

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082319\
 Data File : BF116507.D
 Acq On : 24 Aug 2019 7:48
 Operator : HP/JU
 Sample : K4461-04MS
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 26 02:05:01 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 23 13:38:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	119106	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	421270	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	193062	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	291123	20.00	ng	0.00
76) Chrysene-d12	14.03	240	225434	20.00	ng	0.00
87) Perylene-d12	15.50	264	241610	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	829550	101.77	ng	0.02
7) Phenol-d6	6.52	99	1092094	109.26	ng	0.01
23) Nitrobenzene-d5	7.45	82	689796	89.58	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	168479	101.63	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	1188615	99.15	ng	0.00
79) Terphenyl-d14	12.98	244	1029319	85.29	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.75	88	144870	41.047	ng	97
3) Pyridine	3.50	79	333159	30.997	ng	98
4) n-Nitrosodimethylamine	3.45	42	184648	47.061	ng	100
6) Aniline	6.55	93	398277	29.433	ng	99
8) 2-Chlorophenol	6.67	128	366725	42.871	ng	99
9) Benzaldehyde	6.43	77	174301	26.100	ng	99
10) Phenol	6.53	94	497199	45.809	ng	98
11) bis(2-Chloroethyl)ether	6.62	93	381431	46.155	ng	98
12) 1,3-Dichlorobenzene	6.83	146	408859	44.159	ng	98
13) 1,4-Dichlorobenzene	6.90	146	417171	46.815	ng	99
14) 1,2-Dichlorobenzene	7.06	146	386129	45.933	ng	98
15) Benzyl Alcohol	7.02	79	337787	41.760	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.16	45	479338	41.950	ng	98
17) 2-Methylphenol	7.13	107	307917	43.445	ng	99
18) Hexachloroethane	7.40	117	129382	37.228	ng	90
19) n-Nitroso-di-n-propylamine	7.30	70	281629	41.293	ng	96
20) 3+4-Methylphenols	7.29	107	368417	42.433	ng	# 88
22) Acetophenone	7.29	105	521421	49.498	ng	# 98
24) Nitrobenzene	7.46	77	400284	50.197	ng	98
25) Isophorone	7.70	82	726453	47.874	ng	97
26) 2-Nitrophenol	7.77	139	93685	32.164	ng	97
27) 2,4-Dimethylphenol	7.82	122	311922	51.324	ng	98
28) bis(2-Chloroethoxy)methane	7.91	93	458113	48.887	ng	99
29) 2,4-Dichlorophenol	8.02	162	266082	46.037	ng	100
30) 1,2,4-Trichlorobenzene	8.11	180	335149	51.508	ng	97
31) Naphthalene	8.19	128	1036960	50.883	ng	100
32) Benzoic acid	7.93	122	18670	4.805	ng	93
33) 4-Chloroaniline	8.23	127	217845	24.350	ng	99
34) Hexachlorobutadiene	8.31	225	184387	51.961	ng	98
35) Caprolactam	8.60	113	74478	36.994	ng	89
36) 4-Chloro-3-methylphenol	8.71	107	279779	42.902	ng	96
37) 2-Methylnaphthalene	8.88	142	673335	48.121	ng	99
38) 1-Methylnaphthalene	8.97	142	630158	48.211	ng	100
40) 1,2,4,5-Tetrachlorobenzene	9.05	216	287981	55.442	ng	99

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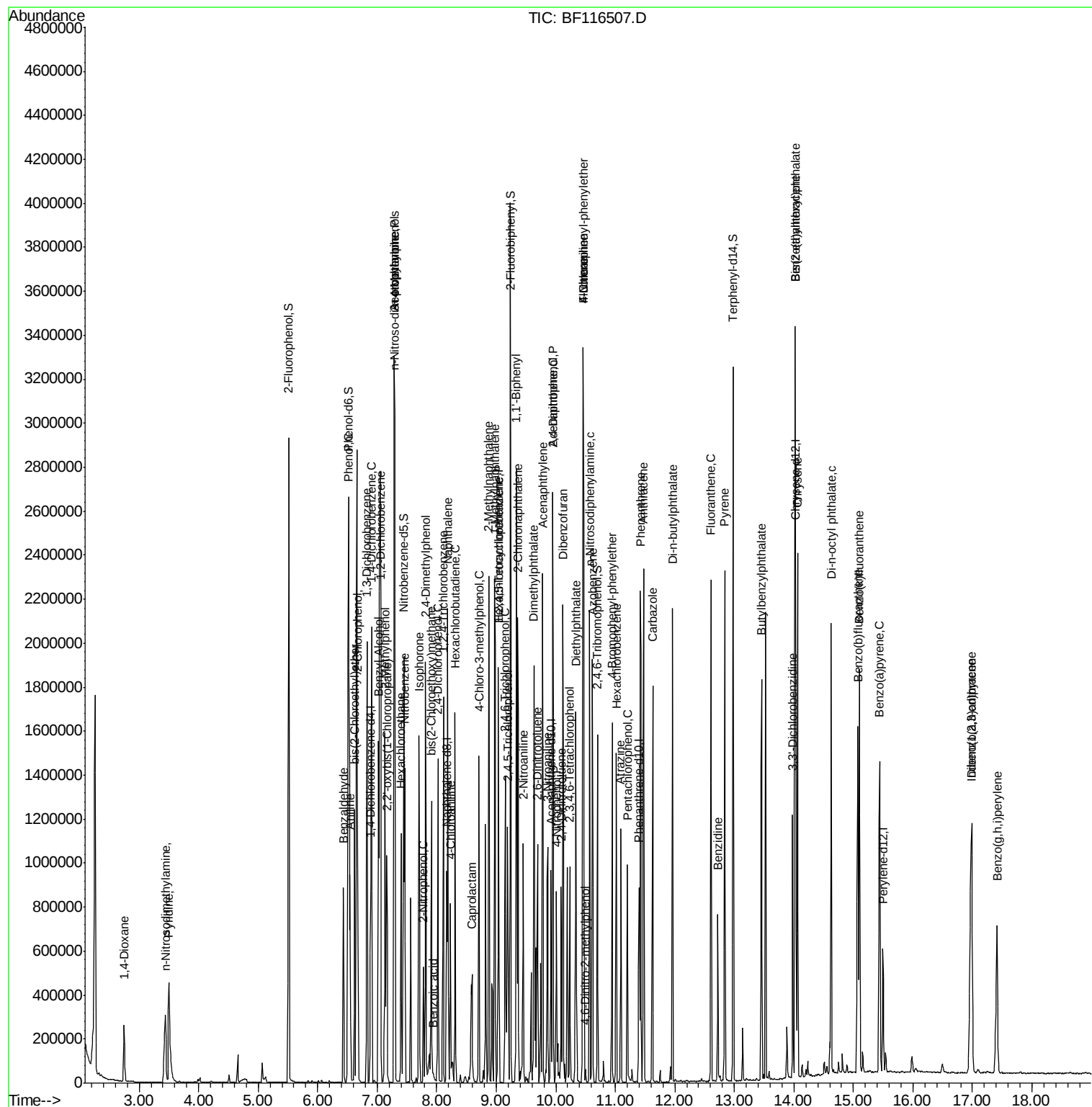
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.03	237	116663	41.745	ng	98
43) 2,4,6-Trichlorophenol	9.15	196	167972	46.206	ng	97
44) 2,4,5-Trichlorophenol	9.19	196	166491	45.011	ng	95
46) 1,1'-Biphenyl	9.34	154	799539	51.798	ng	99
47) 2-Chloronaphthalene	9.36	162	603993	50.474	ng	98
48) 2-Nitroaniline	9.45	65	174836	47.718	ng	96
49) Acenaphthylene	9.78	152	904123	51.641	ng	99
50) Dimethylphthalate	9.64	163	827910	61.463	ng	100
51) 2,6-Dinitrotoluene	9.69	165	123279	44.713	ng	95
52) Acenaphthene	9.95	154	550144	48.970	ng	99
53) 3-Nitroaniline	9.86	138	161700	49.201	ng	90
54) 2,4-Dinitrophenol	9.96	184	5326	12.835	ng	# 1
55) Dibenzofuran	10.12	168	784864	50.119	ng	98
56) 4-Nitrophenol	10.01	139	138415	54.186	ng	100
57) 2,4-Dinitrotoluene	10.09	165	143339	40.857	ng	96
58) Fluorene	10.46	166	584350	48.028	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.24	232	119787	39.440	ng	96
60) Diethylphthalate	10.33	149	692925	52.339	ng	100
61) 4-Chlorophenyl-phenylether	10.46	204	292422	49.266	ng	98
62) 4-Nitroaniline	10.47	138	152317	47.388	ng	95
63) Azobenzene	10.62	77	657869	48.328	ng	99
65) 4,6-Dinitro-2-methylphenol	10.50	198	5782	11.142	ng	95
66) n-Nitrosodiphenylamine	10.57	169	540594	57.348	ng	100
67) 4-Bromophenyl-phenylether	10.95	248	169761	55.621	ng	95
68) Hexachlorobenzene	11.02	284	177691	52.638	ng	94
69) Atrazine	11.10	200	139953	49.552	ng	99
70) Pentachlorophenol	11.20	266	110849	56.282	ng	98
71) Phenanthrene	11.42	178	842965	53.153	ng	99
72) Anthracene	11.47	178	853751	53.573	ng	99
73) Carbazole	11.63	167	740483	51.765	ng	99
74) Di-n-butylphthalate	11.96	149	985436	55.593	ng	100
75) Fluoranthene	12.61	202	849034	51.782	ng	97
77) Benzidine	12.72	184	282484	31.145	ng	98
78) Pyrene	12.84	202	861851	47.806	ng	100
80) Butylbenzylphthalate	13.46	149	386288	49.614	ng	97
81) Benzo(a)anthracene	14.03	228	761055	52.125	ng	99
82) 3,3'-Dichlorobenzidine	13.98	252	235811	45.321	ng	99
83) Chrysene	14.06	228	769951	52.028	ng	100
84) Bis(2-ethylhexyl)phthalate	14.02	149	539170	51.933	ng	100
85) Di-n-octyl phthalate	14.63	149	961968	54.578	ng	100
86) Indeno(1,2,3-cd)pyrene	16.97	276	682134	53.810	ng	98
88) Benzo(b)fluoranthene	15.07	252	761979	51.052	ng	99
89) Benzo(k)fluoranthene	15.10	252	741511	54.838	ng	100
90) Benzo(a)pyrene	15.44	252	709611	53.794	ng	99
91) Dibenzo(a,h)anthracene	16.99	278	576028	53.142	ng	96
92) Benzo(g,h,i)perylene	17.42	276	539641	52.221	ng	96

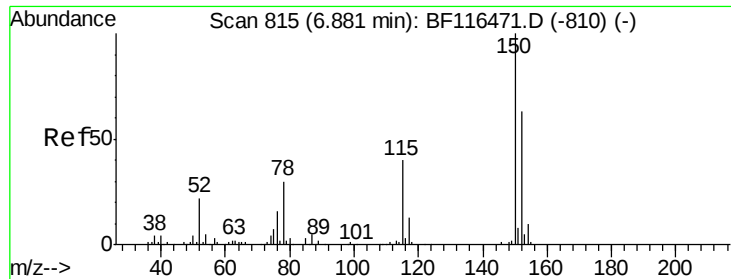
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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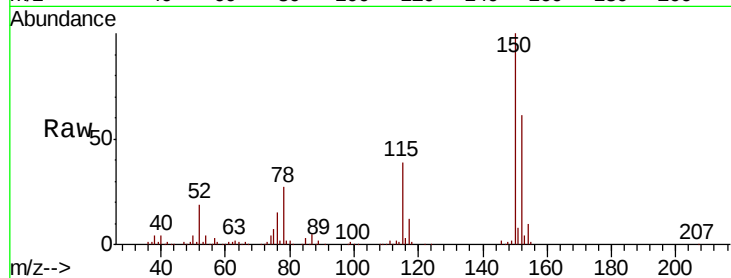


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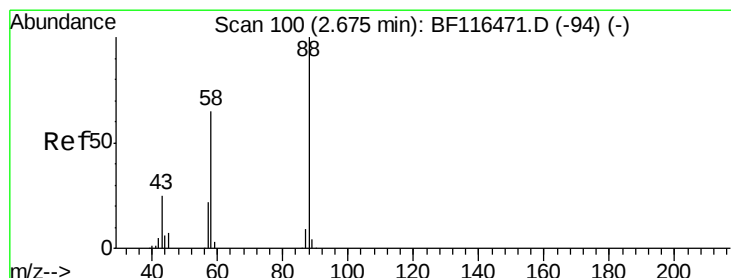
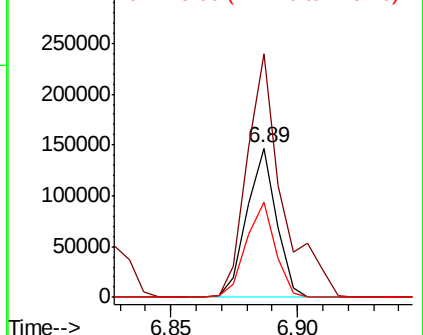
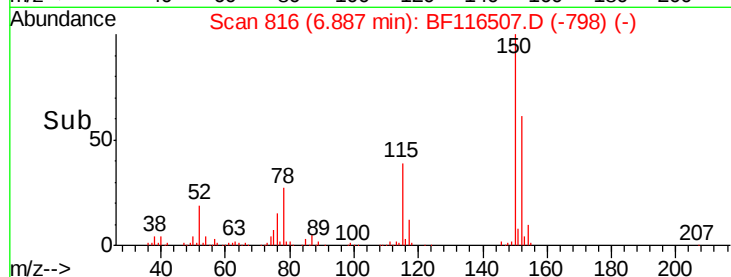
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. 0.01 min
Lab File: BF116507.D
Acq: 24 Aug 2019 7:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 119106
Ion Ratio Lower Upper
152 100
150 163.5 126.7 190.1
115 64.3 50.9 76.3



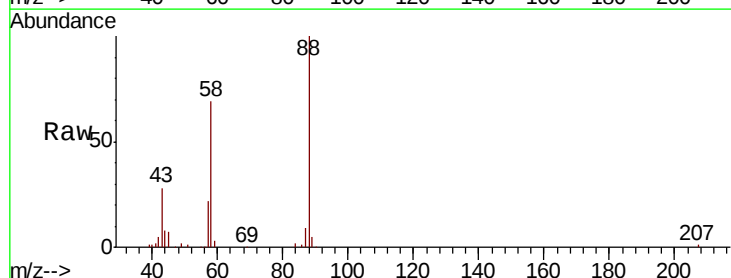
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



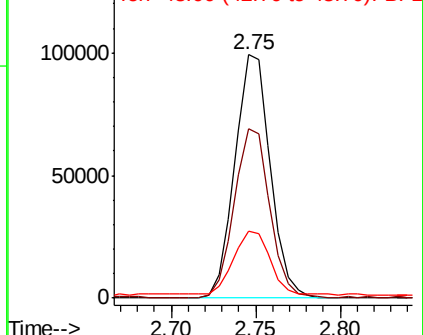
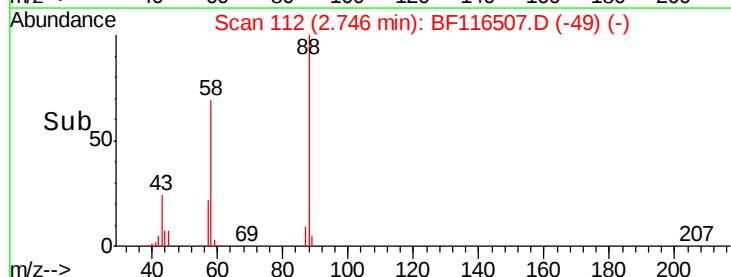
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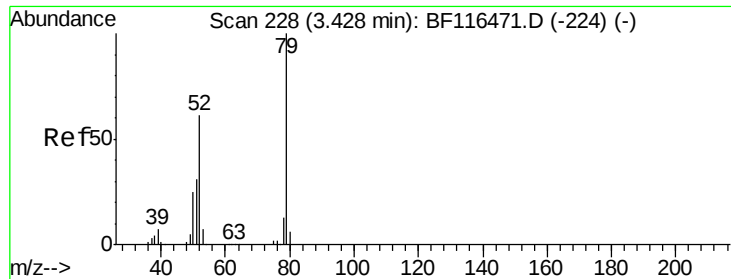
1,4-Dioxane
Concen: 41.047 ng
RT: 2.75 min Scan# 112
Delta R.T. 0.07 min
Lab File: BF116507.D
Acq: 24 Aug 2019 7:48

Tgt Ion: 88 Resp: 144870
Ion Ratio Lower Upper
88 100
58 68.9 53.4 80.0
43 27.8 21.2 31.8



Abundance Ion 88.00 (87.70 to 88.70): BF1
Ion 58.00 (57.70 to 58.70): BF1
Ion 43.00 (42.70 to 43.70): BF1





#3

Pvrindine

Concen: 30.997 ng

RT: 3.50 min Scan# 240

Delta R.T. 0.07 min

Lab File: BF116507.D

Acq: 24 Aug 2019 7:48

Instrument :

BNA_F

ClientSampleId :

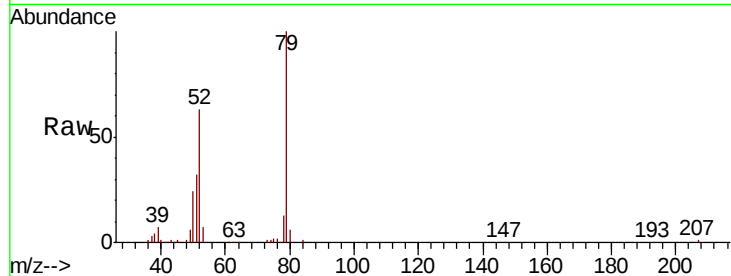
Tot Ion: 79 Resp: 333159

Ion Ratio Lower Upper

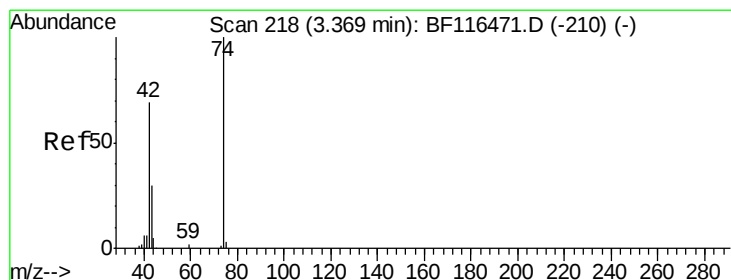
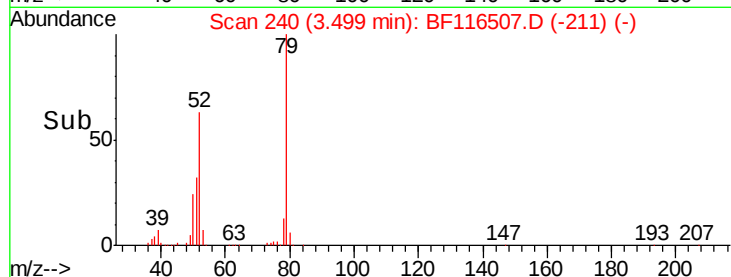
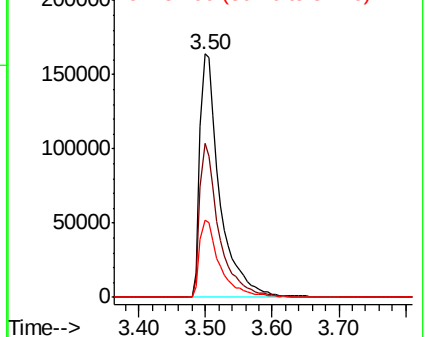
79 100

52 63.5 48.8 73.2

51 31.8 25.2 37.8



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 52.00 (51.70 to 52.70): BF1
Ion 51.00 (50.70 to 51.70): BF1



#4

n-Nitrosodimethylamine

Concen: 47.061 ng

RT: 3.45 min Scan# 231

Delta R.T. 0.08 min

Lab File: BF116507.D

Acq: 24 Aug 2019 7:48

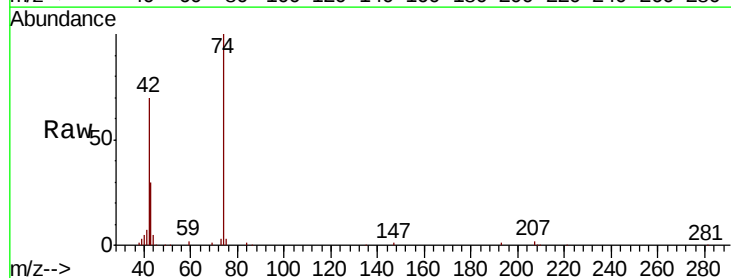
Tgt Ion: 42 Resp: 184648

Ion Ratio Lower Upper

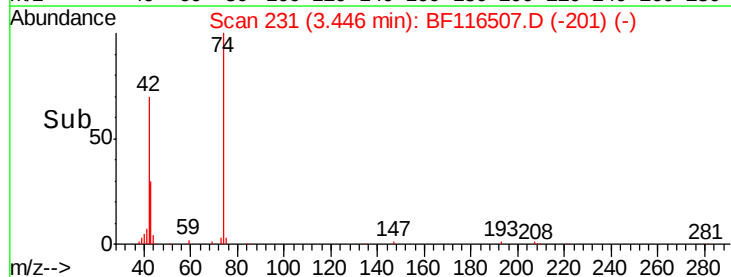
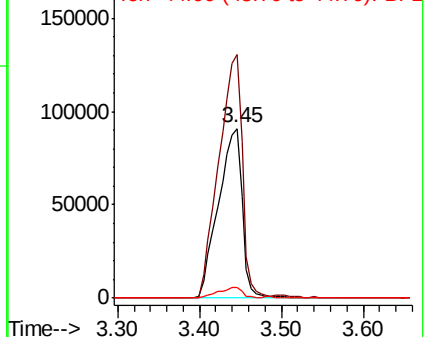
42 100

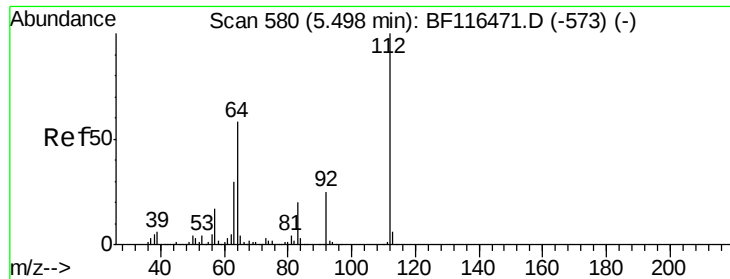
74 143.7 115.3 172.9

44 6.5 5.8 8.8



Abundance Ion 42.00 (41.70 to 42.70): BF1
Ion 74.00 (73.70 to 74.70): BF1
Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 101.766 ng

RT: 5.52 min Scan# 583

Delta R.T. 0.02 min

Lab File: BF116507.D

Acq: 24 Aug 2019 7:48

Instrument :

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ClientSampleId :

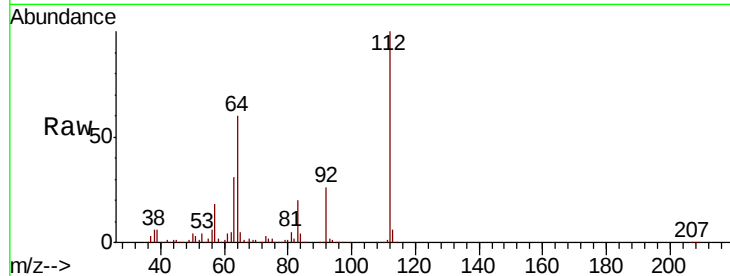
Tot Ion:112 Resp: 829550

Ion Ratio Lower Upper

112 100

64 59.8 46.3 69.5

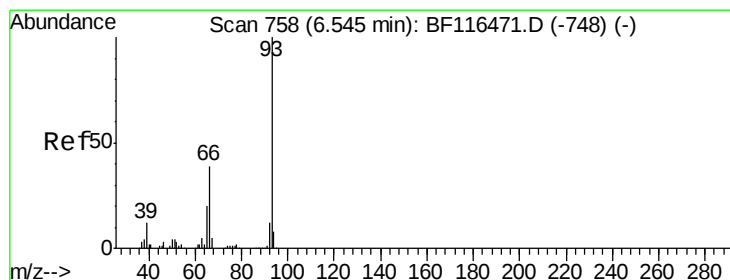
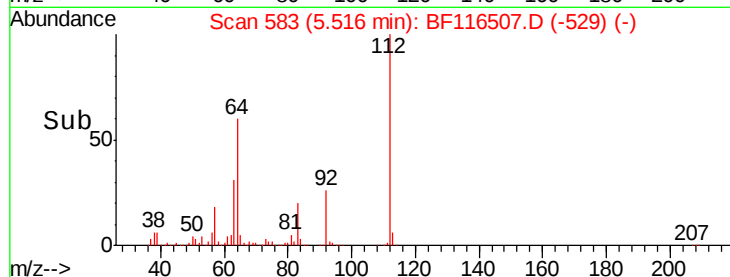
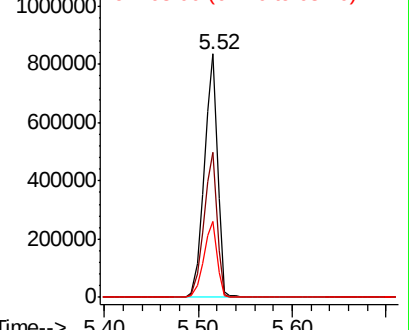
63 31.3 24.2 36.4



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 29.433 ng

RT: 6.55 min Scan# 758

Delta R.T. -0.00 min

Lab File: BF116507.D

Acq: 24 Aug 2019 7:48

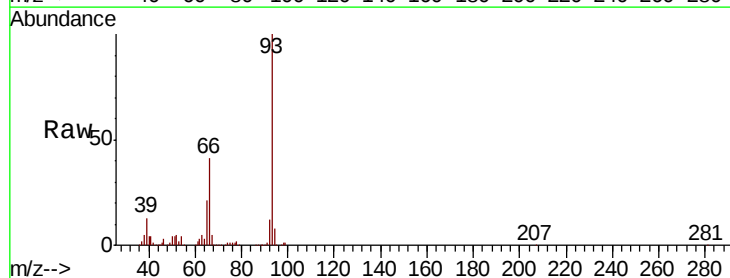
Tgt Ion: 93 Resp: 398277

Ion Ratio Lower Upper

93 100

66 40.6 32.2 48.2

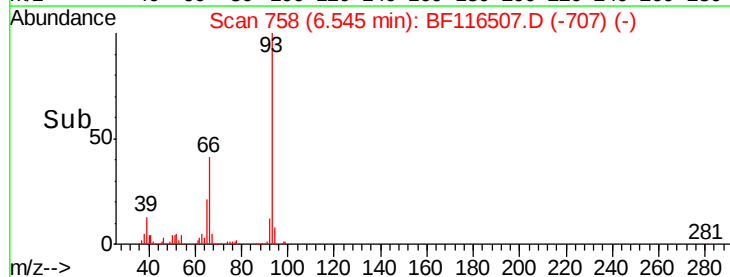
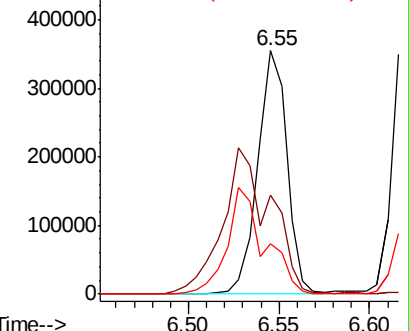
65 20.6 16.3 24.5

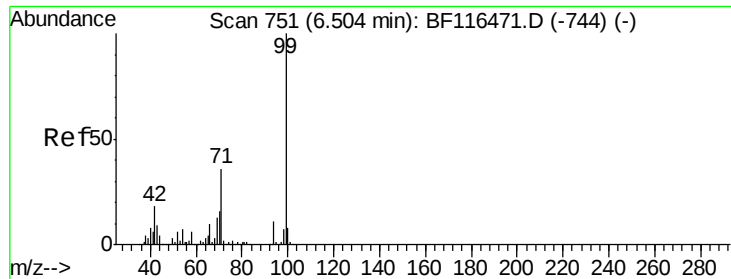


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 109.264 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF116507.D

Acq: 24 Aug 2019 7:48

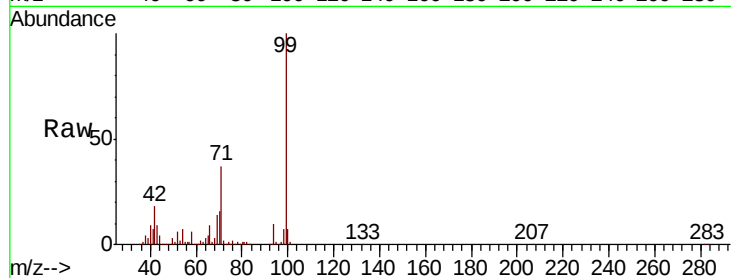
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 1092094

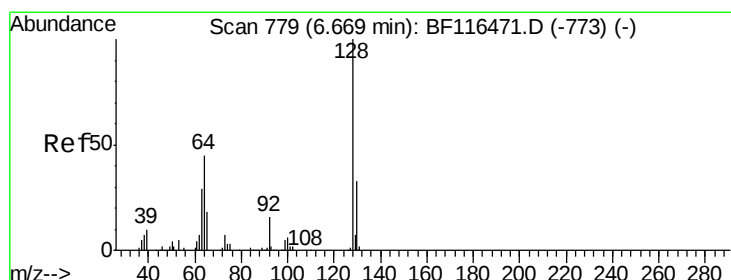
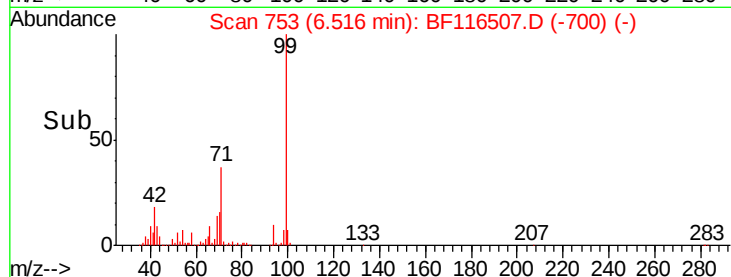
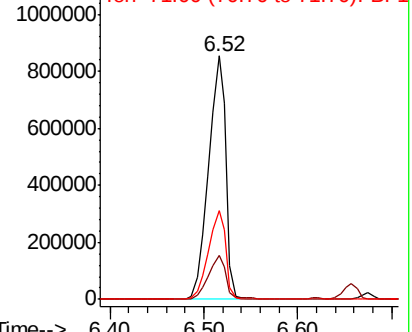
Ion	Ratio	Lower	Upper
99	100		
42	18.2	14.6	21.8
71	36.6	28.5	42.7



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 42.871 ng

RT: 6.67 min Scan# 780

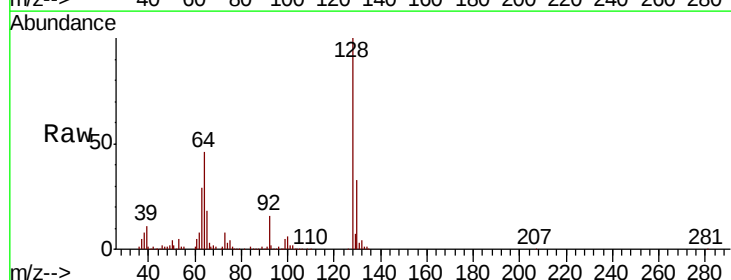
Delta R.T. 0.01 min

Lab File: BF116507.D

Acq: 24 Aug 2019 7:48

Tgt Ion: 128 Resp: 366725

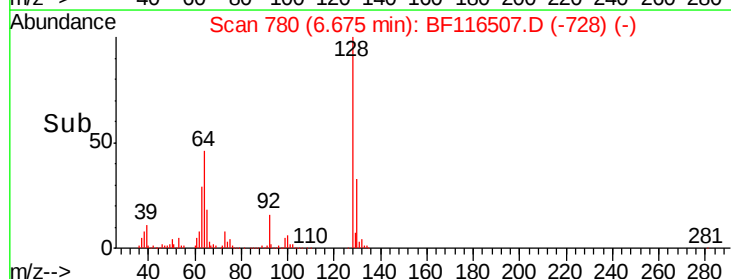
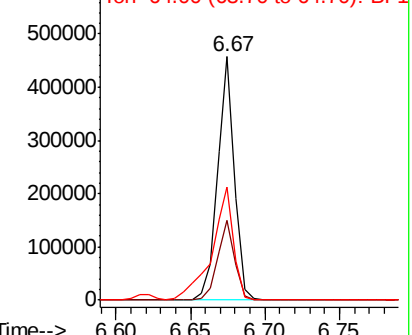
Ion	Ratio	Lower	Upper
128	100		
130	32.8	13.4	53.4
64	46.4	26.3	66.3

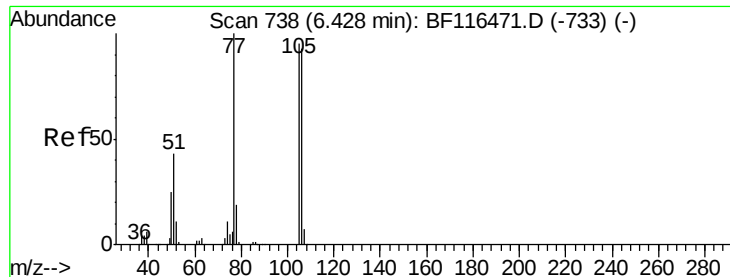


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 26.100 ng

RT: 6.43 min Scan# 739

Delta R.T. 0.01 min

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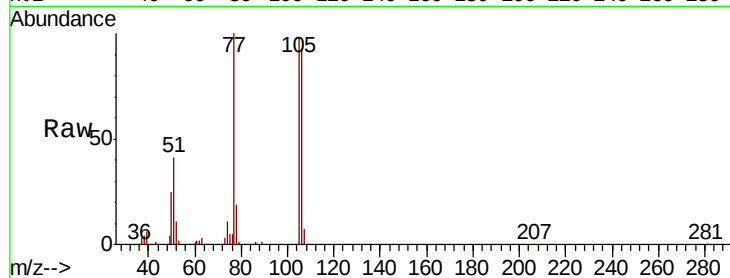
Tot Ion: 77 Resp: 174301

Ion Ratio Lower Upper

77 100

105 98.1 75.5 115.5

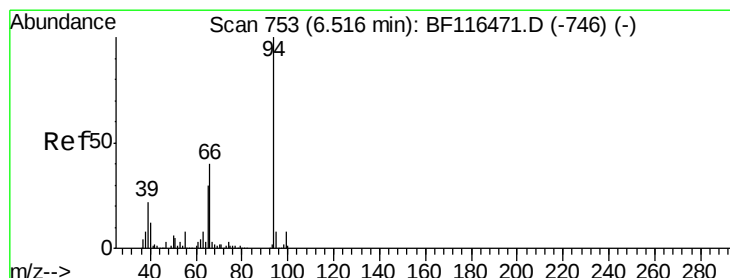
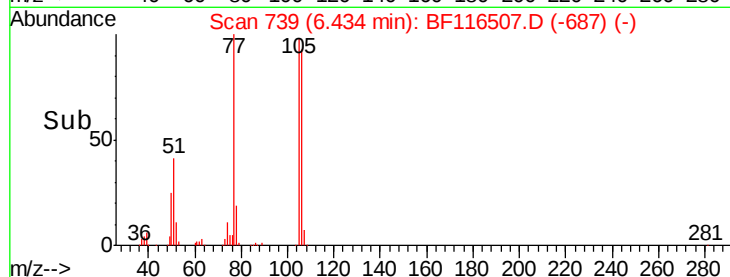
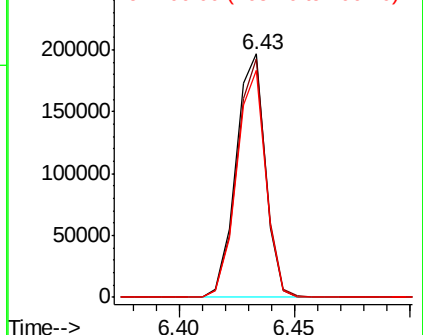
106 93.1 73.2 113.2



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 45.809 ng

RT: 6.53 min Scan# 755

Delta R.T. 0.01 min

Lab File: BF116507.D

Acq: 24 Aug 2019 7:48

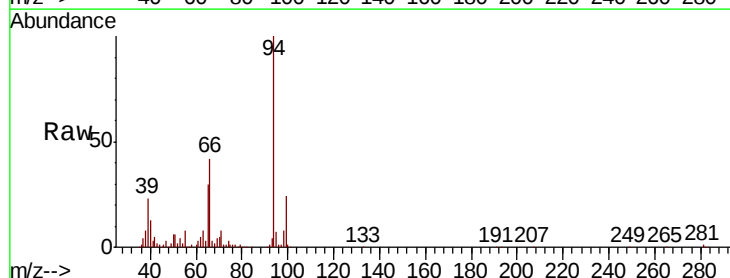
Tgt Ion: 94 Resp: 497199

Ion Ratio Lower Upper

94 100

65 30.3 10.0 50.0

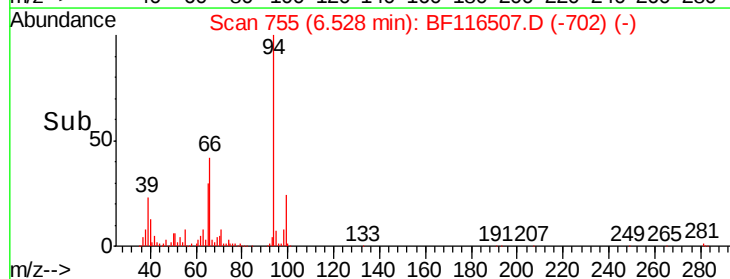
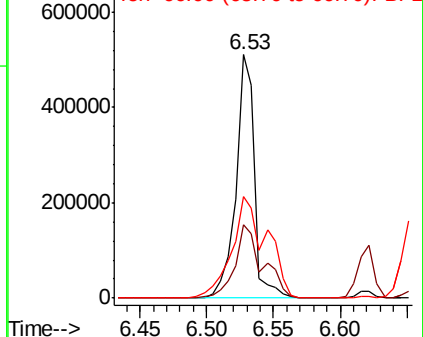
66 41.7 19.8 59.8

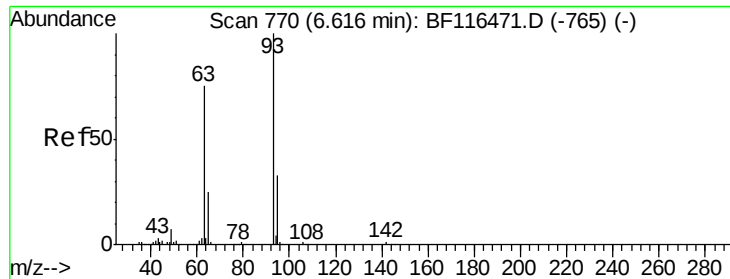


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

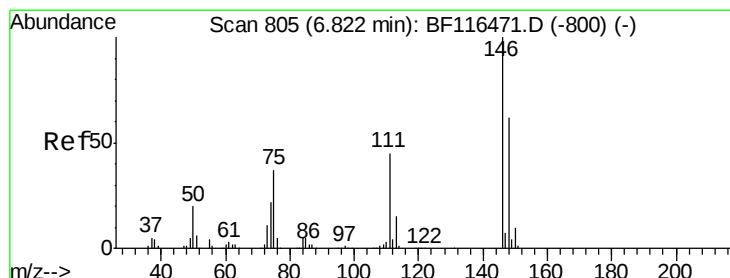
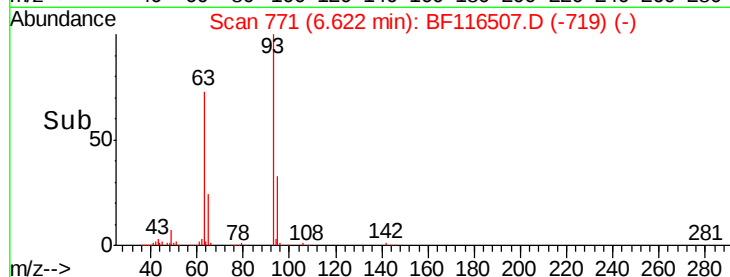
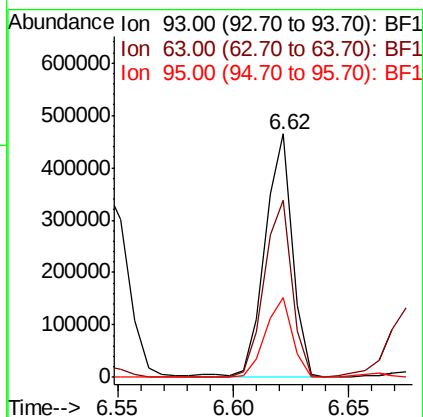
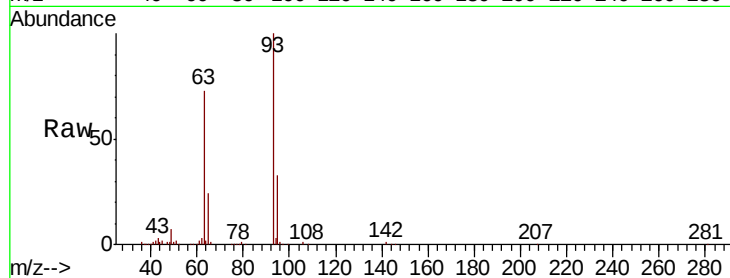




#11
bis(2-Chloroethyl)ether
Concen: 46.155 ng
RT: 6.62 min Scan# 771
Delta R.T. 0.01 min
Lab File: BF116507.D
Acq: 24 Aug 2019 7:48

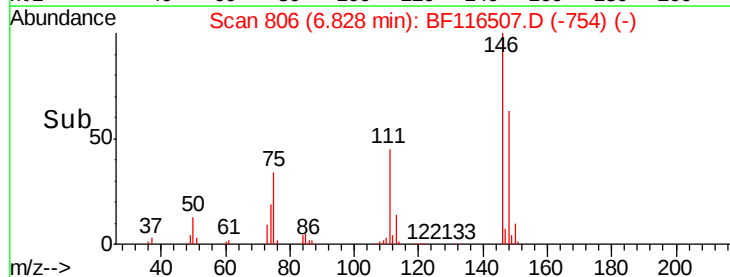
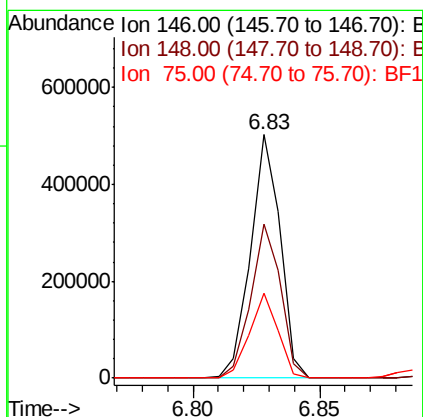
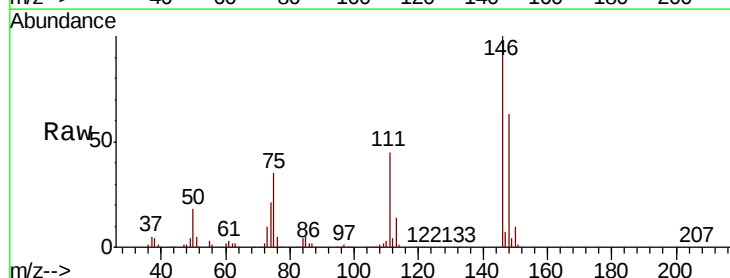
Instrument :
BNA_F
ClientSampleId :

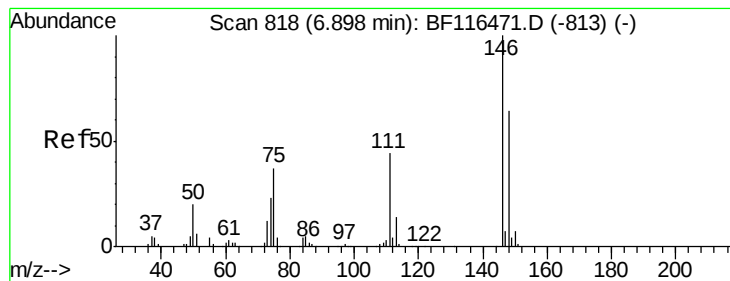
Tot Ion	Ratio	Lower	Upper
93	100		
63	72.7	54.3	94.3
95	32.6	13.3	53.3



#12
1,3-Dichlorobenzene
Concen: 44.159 ng
RT: 6.83 min Scan# 806
Delta R.T. 0.01 min
Lab File: BF116507.D
Acq: 24 Aug 2019 7:48

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.2	49.8	74.8
75	34.8	29.3	43.9





#13

1,4-Dichlorobenzene

Concen: 46.815 ng

RT: 6.90 min Scan# 819

Delta R.T. 0.01 min

Lab File: BF116507.D

Acq: 24 Aug 2019 7:48

Instrument :

BNA_F

ClientSampleId :

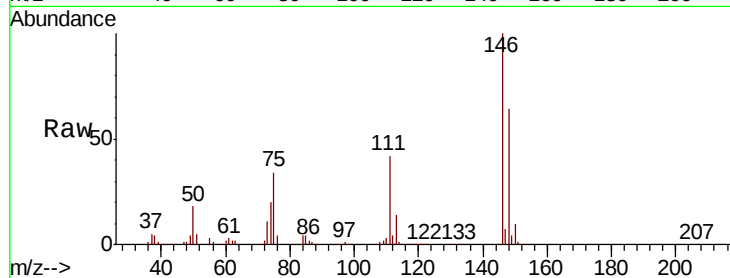
Tot Ion:146 Resp: 417171

Ion Ratio Lower Upper

146 100

148 63.9 51.0 76.4

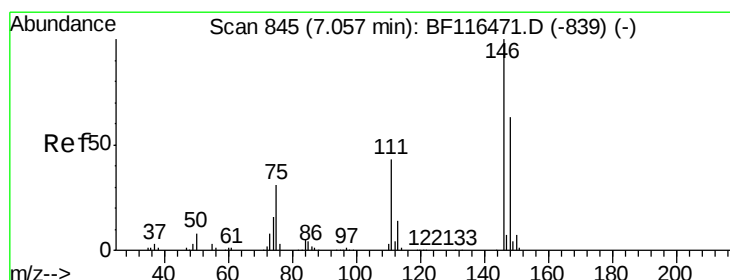
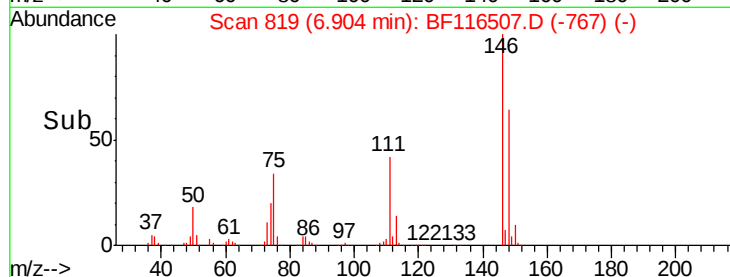
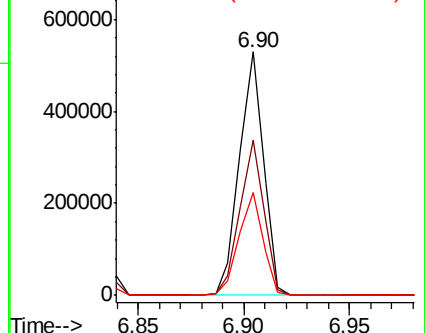
111 42.4 35.4 53.2



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 45.933 ng

RT: 7.06 min Scan# 845

Delta R.T. -0.00 min

Lab File: BF116507.D

Acq: 24 Aug 2019 7:48

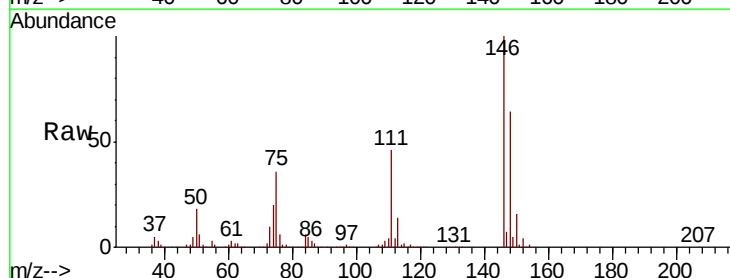
Tgt Ion:146 Resp: 386129

Ion Ratio Lower Upper

146 100

148 64.2 50.8 76.2

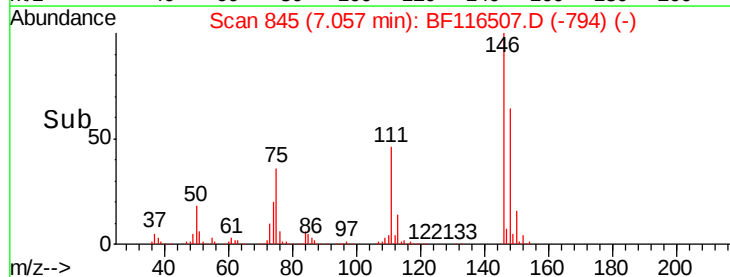
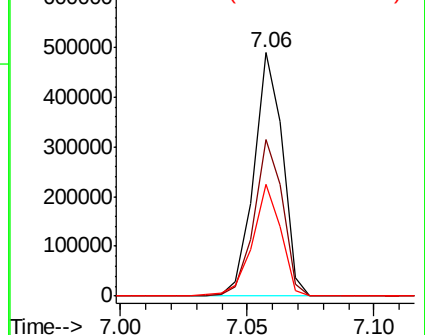
111 45.9 34.5 51.7

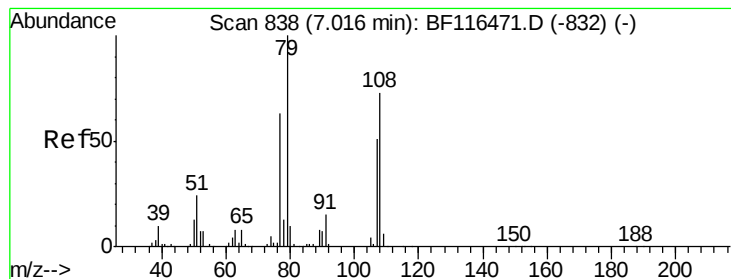


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 41.760 ng

RT: 7.02 min Scan# 839

Delta R.T. 0.01 min

Lab File: BF116507.D

Acq: 24 Aug 2019 7:48

Instrument :

BNA_F

ClientSampled :

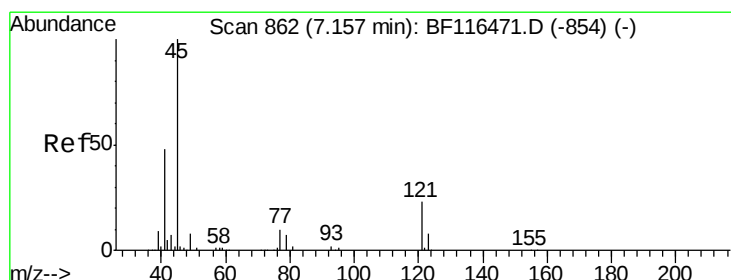
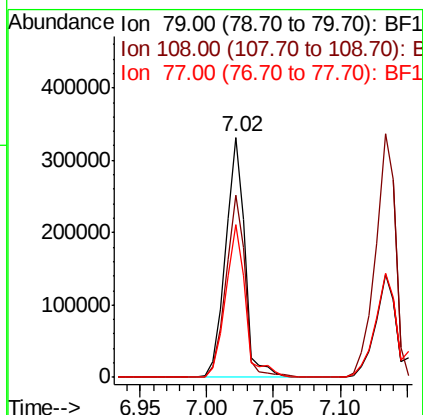
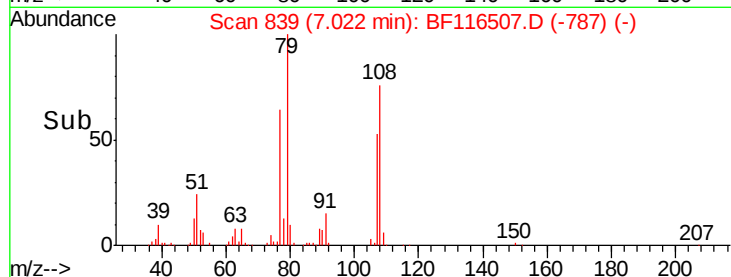
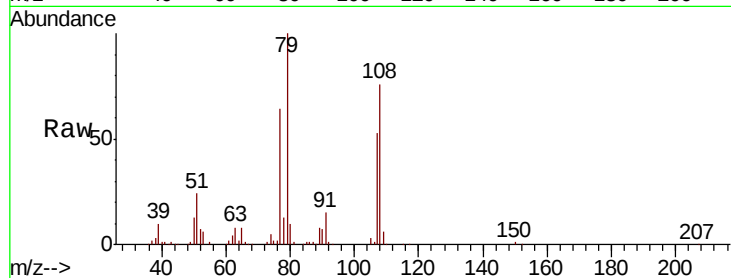
Tot Ion: 79 Resp: 337787

Ion Ratio Lower Upper

79 100

108 75.8 58.1 87.1

77 63.6 50.6 76.0



#16

2,2'-oxybis(1-chloropropane)

Concen: 41.950 ng

RT: 7.16 min Scan# 863

Delta R.T. 0.01 min

Lab File: BF116507.D

Acq: 24 Aug 2019 7:48

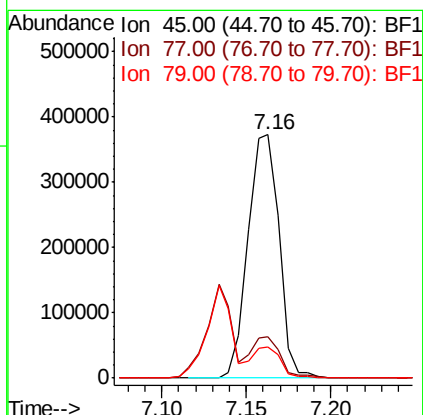
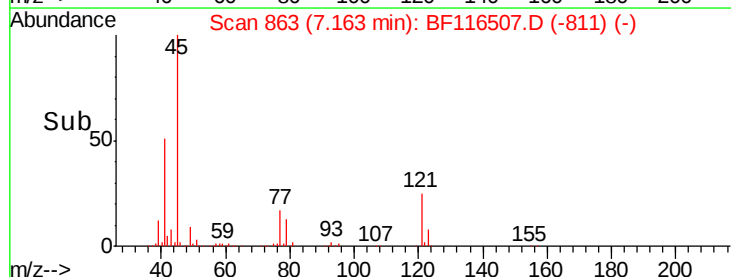
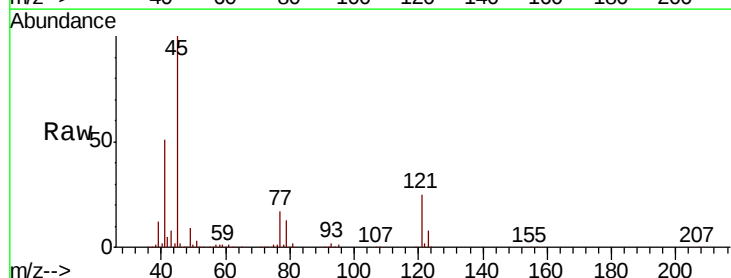
Tgt Ion: 45 Resp: 479338

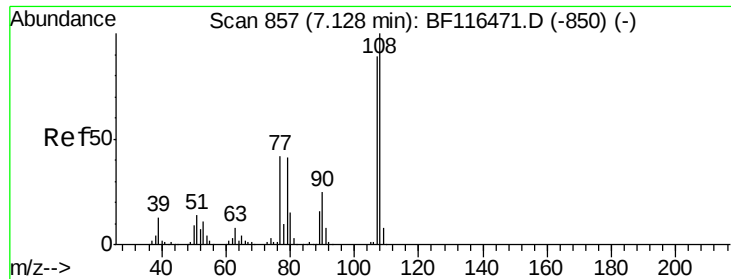
Ion Ratio Lower Upper

45 100

77 17.0 0.0 36.1

79 12.9 0.0 32.3

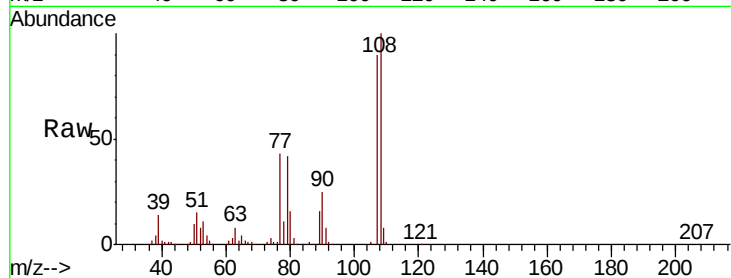




#17
2-Methylphenol
Concen: 43.445 ng
RT: 7.13 min Scan# 858
Delta R.T. 0.01 min
Lab File: BF116507.D
Acq: 24 Aug 2019 7:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	107	Resp:	307917
Ion	Ratio	Lower	Upper
107	100		
108	110.7	90.0	135.0
77	47.6	37.6	56.4
79	46.5	36.8	55.2



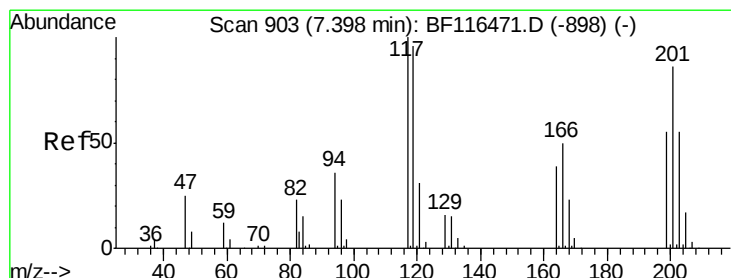
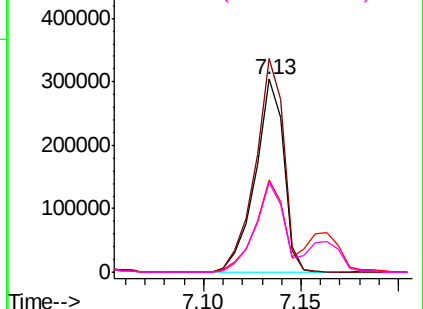
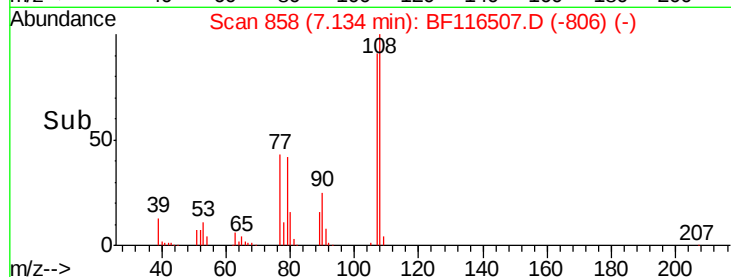
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

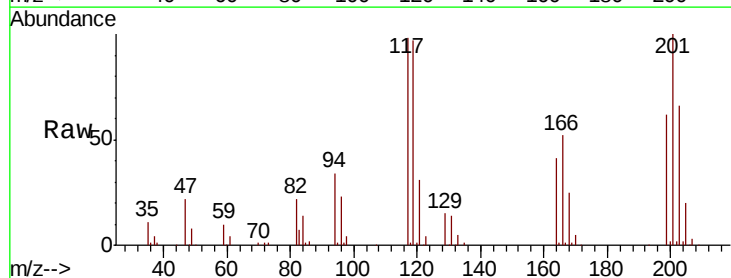
Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18
Hexachloroethane
Concen: 37.228 ng
RT: 7.40 min Scan# 904
Delta R.T. 0.01 min
Lab File: BF116507.D
Acq: 24 Aug 2019 7:48

Tgt Ion:	117	Resp:	129382
Ion	Ratio	Lower	Upper
117	100		
119	99.2	77.0	115.6
201	102.1	69.1	103.7

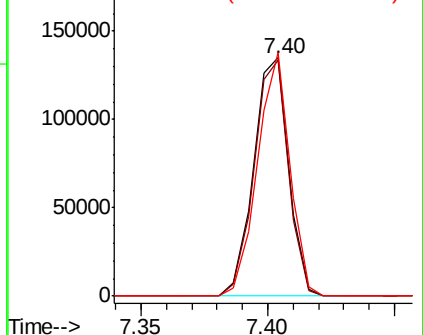
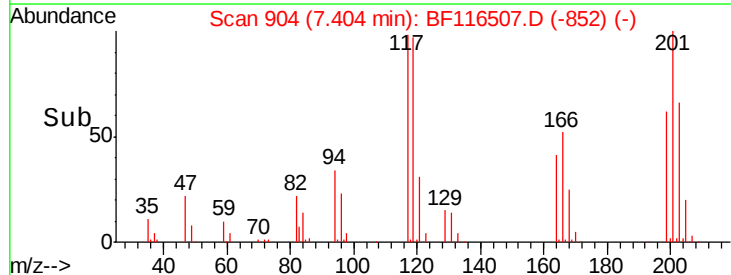


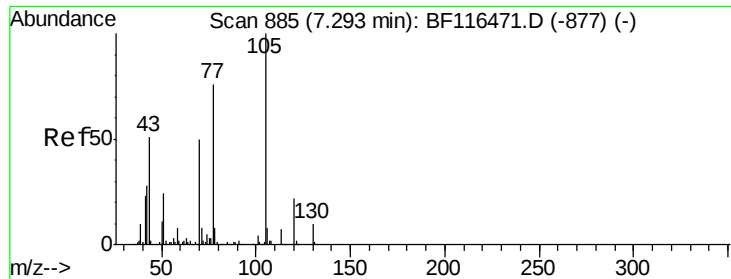
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

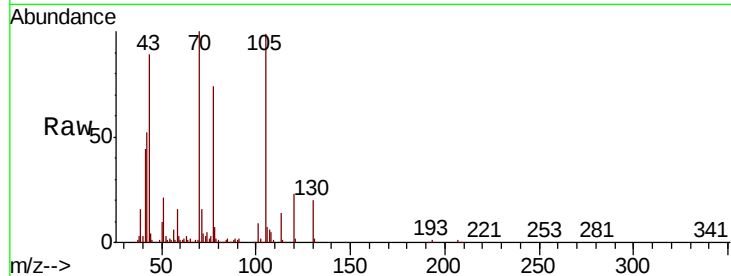




#19
n-Nitroso-di-n-propylamine
Concen: 41.293 ng
RT: 7.30 min Scan# 886
Delta R.T. 0.01 min
Lab File: BF116507.D
Acq: 24 Aug 2019 7:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	70	Resp:	281629
Ion	Ratio	Lower	Upper
70	100		
42	51.7	44.4	66.6
101	9.2	7.1	10.7
130	20.3	15.8	23.8



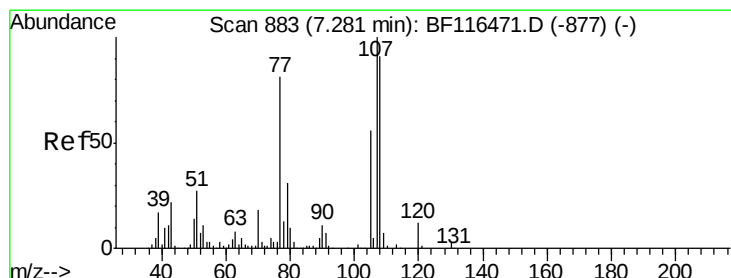
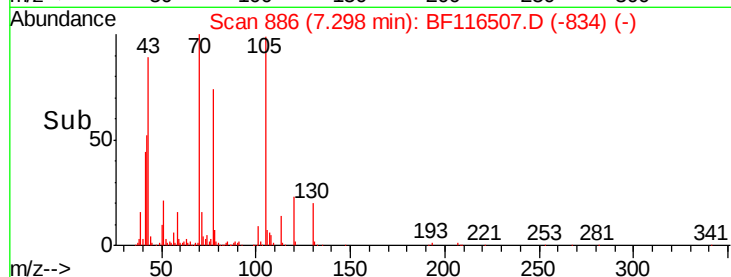
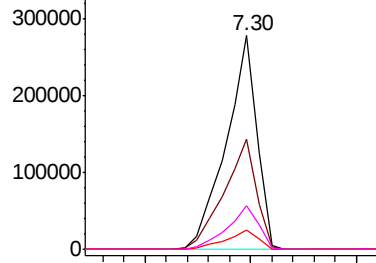
Abundance

Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

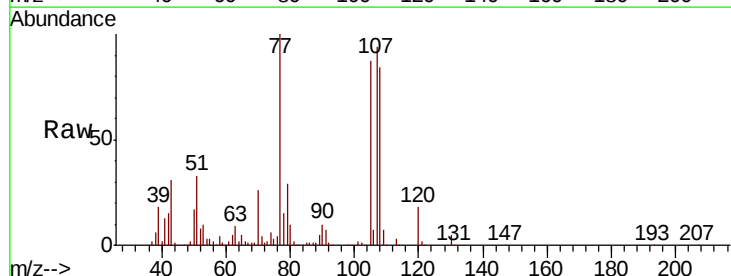
Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1



#20
3+4-Methylphenols
Concen: 42.433 ng
RT: 7.29 min Scan# 884
Delta R.T. 0.01 min
Lab File: BF116507.D
Acq: 24 Aug 2019 7:48

Tgt Ion:	107	Resp:	368417
Ion	Ratio	Lower	Upper
107	100		
108	88.9	70.7	110.7
77	105.8	60.6	100.6#
79	30.8	11.1	51.1



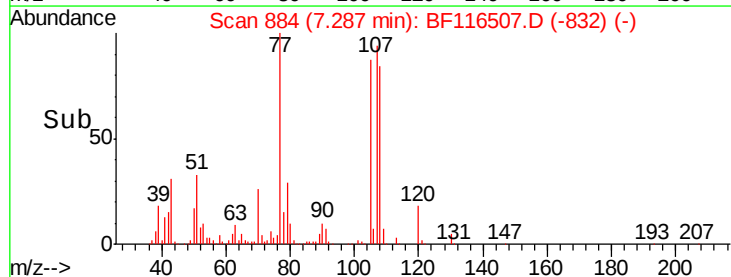
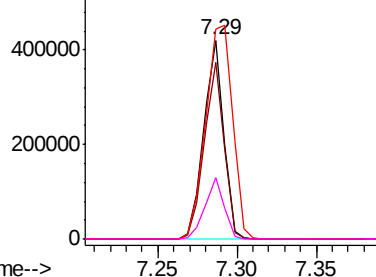
Abundance

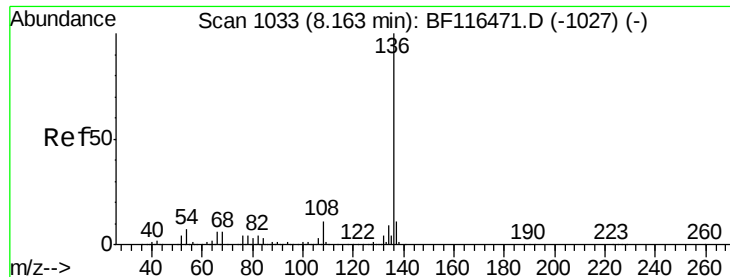
Ion 107.00 (106.70 to 107.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1

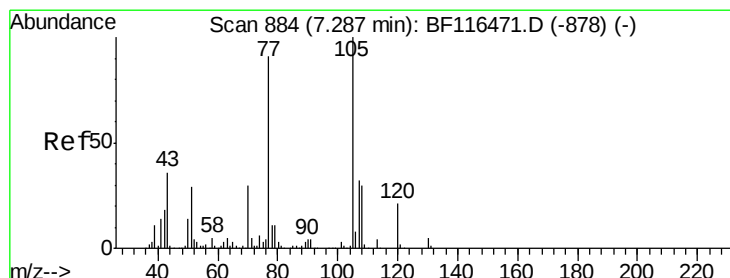
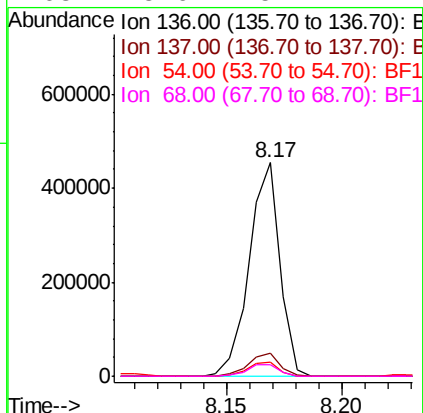
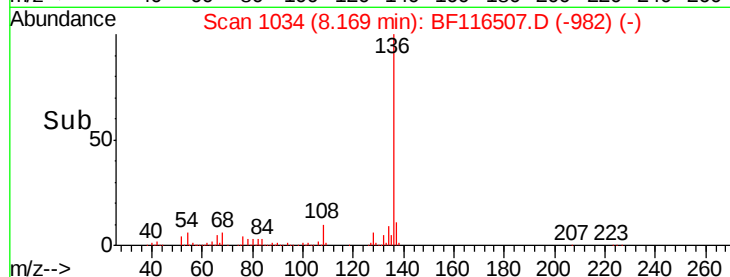
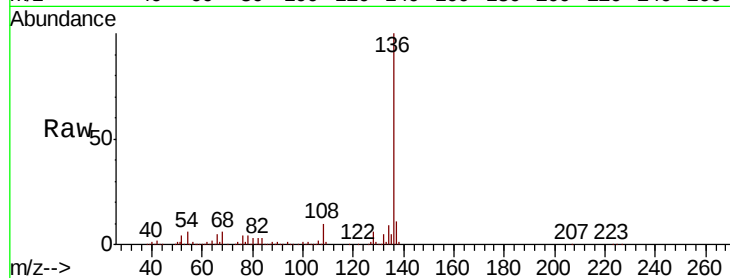




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1034
Delta R.T. 0.01 min
Lab File: BF116507.D
Acq: 24 Aug 2019 7:48

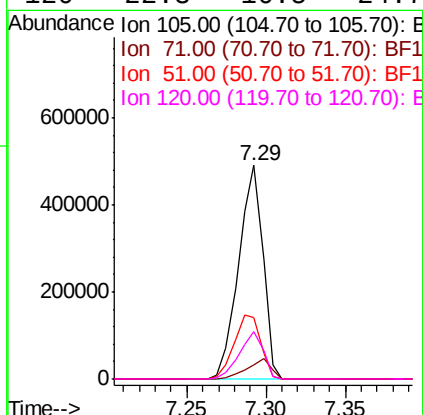
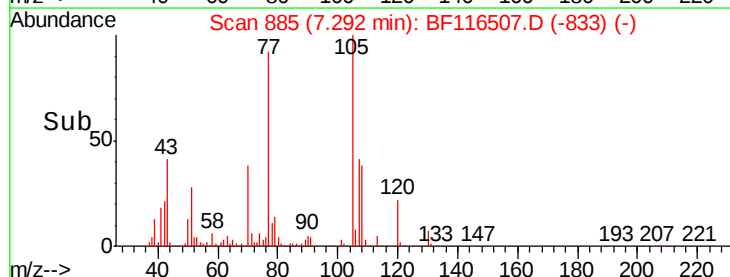
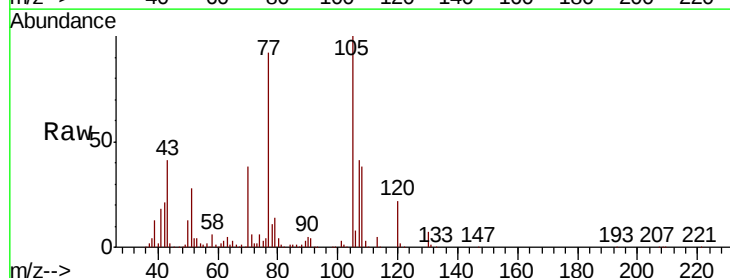
Instrument :
BNA_F
ClientSampleId :

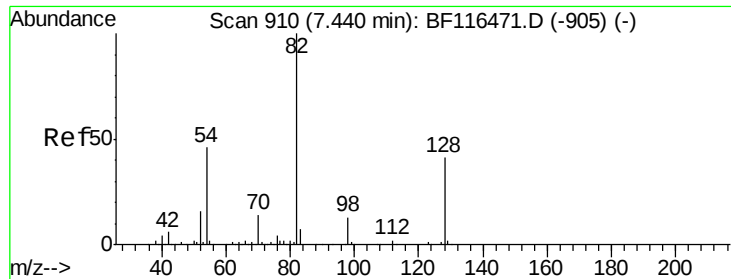
Tot Ion:136	Resp:	421270
Ion Ratio	Lower	Upper
136 100		
137 11.1	9.0	13.4
54 6.5	5.8	8.6
68 5.6	5.1	7.7



#22
Acetophenone
Concen: 49.498 ng
RT: 7.29 min Scan# 885
Delta R.T. 0.01 min
Lab File: BF116507.D
Acq: 24 Aug 2019 7:48

Tgt	Ion:105	Resp:	521421
Ion	Ratio	Lower	Upper
105	100		
71	6.4	4.2	6.2#
51	28.5	23.0	34.4
120	22.3	16.5	24.7

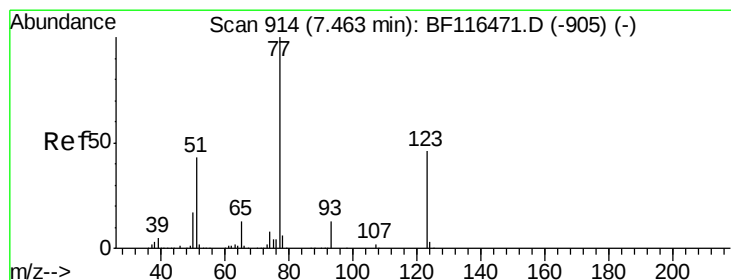
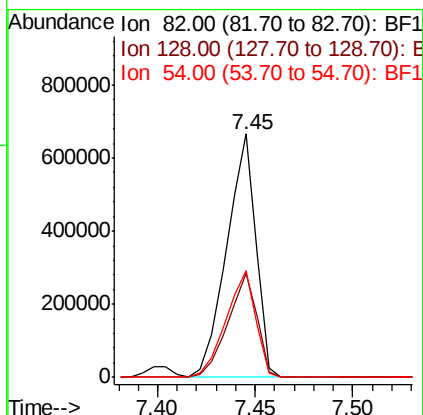
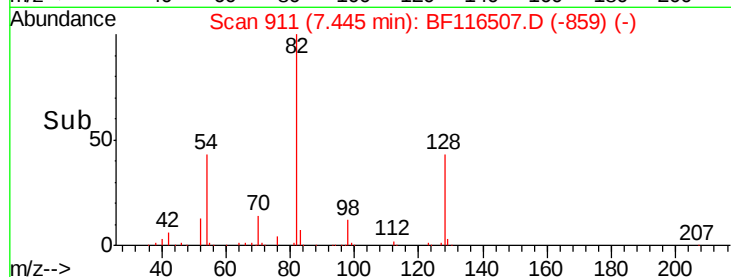
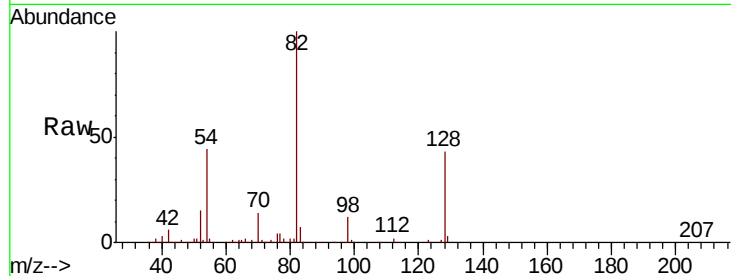




#23
 Nitrobenzene-d5
 Concen: 89.583 ng
 RT: 7.45 min Scan# 911
 Delta R.T. 0.01 min
 Lab File: BF116507.D
 Acq: 24 Aug 2019 7:48

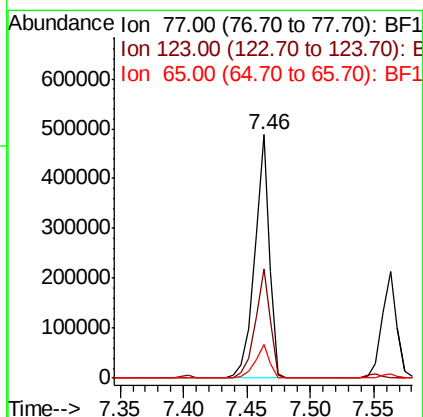
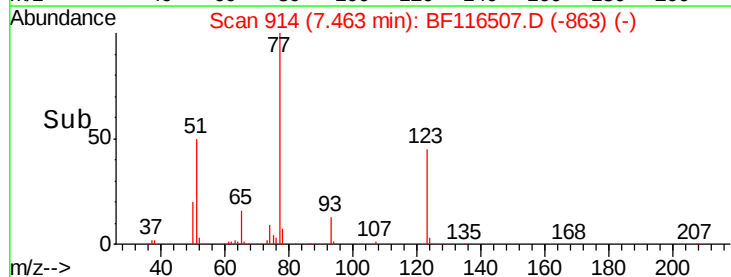
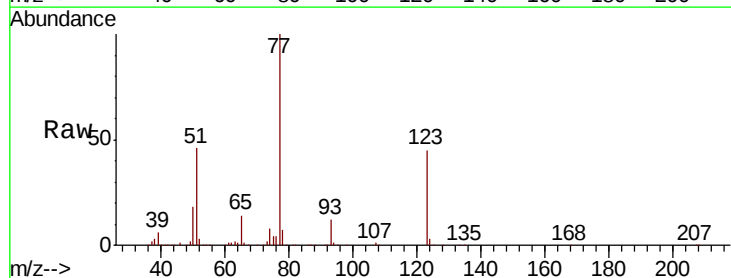
Instrument :
 BNA_F
 ClientSampled :

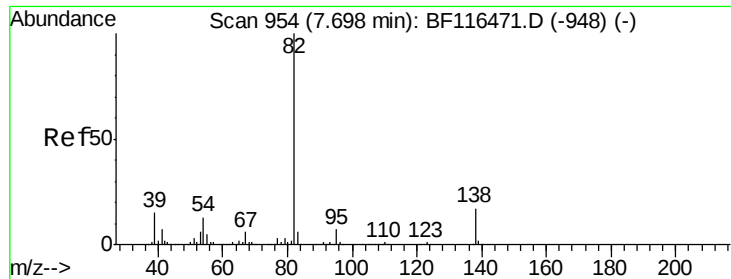
Tot Ion	Ratio	Lower	Upper
82	100		
128	42.5	32.2	48.4
54	44.1	36.5	54.7



#24
 Nitrobenzene
 Concen: 50.197 ng
 RT: 7.46 min Scan# 914
 Delta R.T. -0.00 min
 Lab File: BF116507.D
 Acq: 24 Aug 2019 7:48

Tgt Ion	Ratio	Lower	Upper
77	100		
123	44.8	37.0	55.4
65	14.0	10.5	15.7

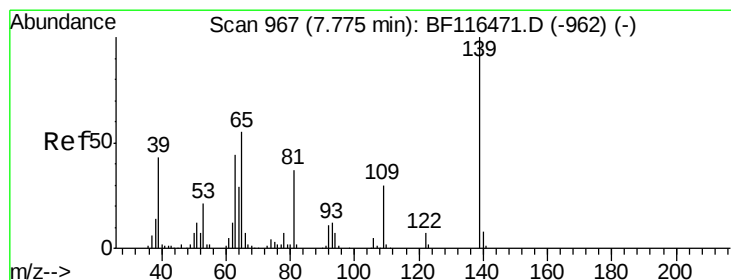
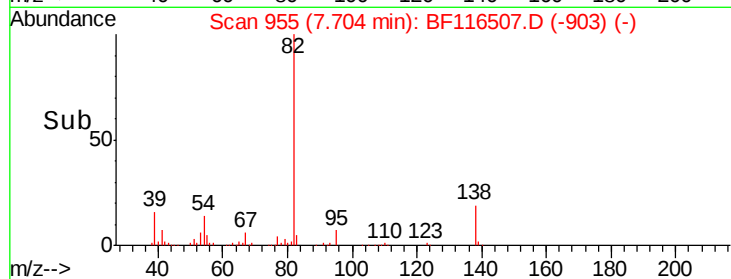
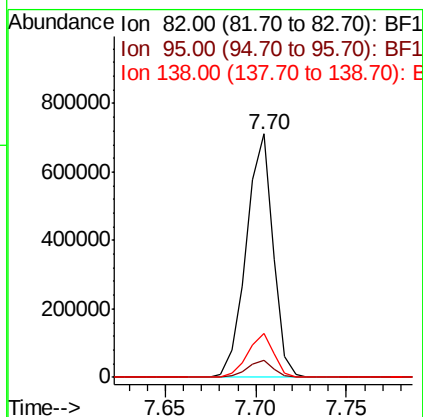
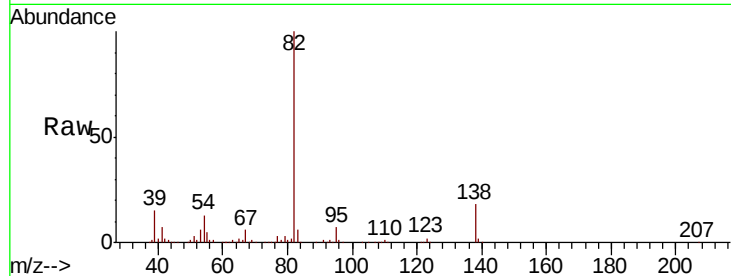




#25
Isophorone
Concen: 47.874 ng
RT: 7.70 min Scan# 955
Delta R.T. 0.01 min
Lab File: BF116507.D
Acq: 24 Aug 2019 7:48

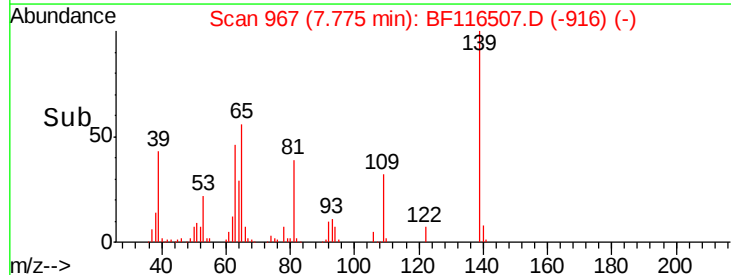
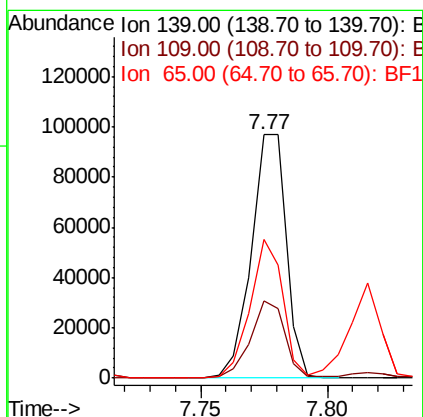
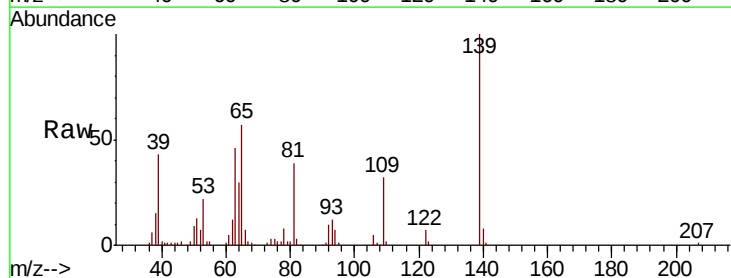
Instrument :
BNA_F
ClientSampleId :

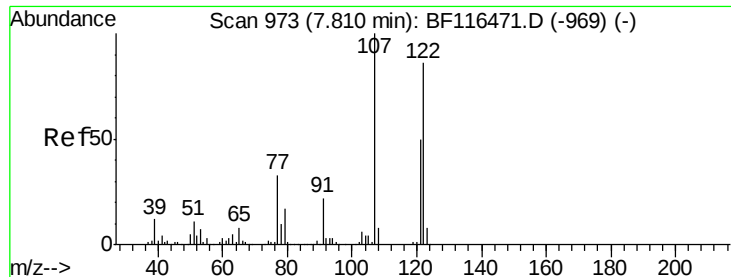
Tot Ion	Ratio	Lower	Upper
82	100		
95	7.0	5.3	7.9
138	18.0	13.3	19.9



#26
2-Nitrophenol
Concen: 32.164 ng
RT: 7.77 min Scan# 967
Delta R.T. -0.00 min
Lab File: BF116507.D
Acq: 24 Aug 2019 7:48

Tgt Ion	Ratio	Lower	Upper
139	100		
109	31.7	24.3	36.5
65	57.0	44.0	66.0





#27

2,4-Dimethylphenol

Concen: 51.324 ng

RT: 7.82 min Scan# 974

Delta R.T. 0.01 min

Lab File: BF116507.D

Acq: 24 Aug 2019 7:48

Instrument :

BNA_F

ClientSampleId :

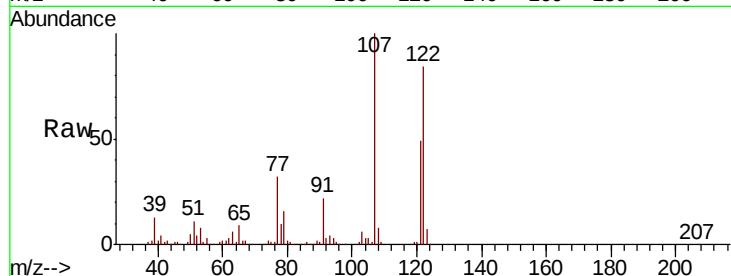
Tot Ion:122 Resp: 311922

Ion Ratio Lower Upper

122 100

107 118.5 92.4 138.6

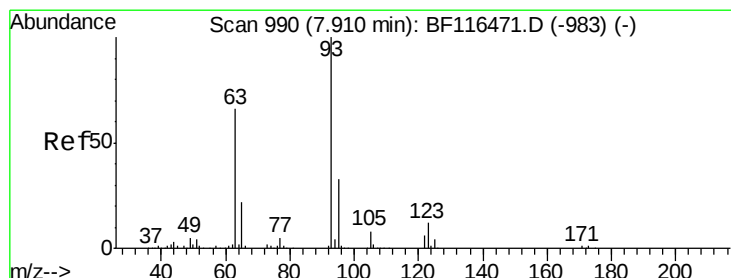
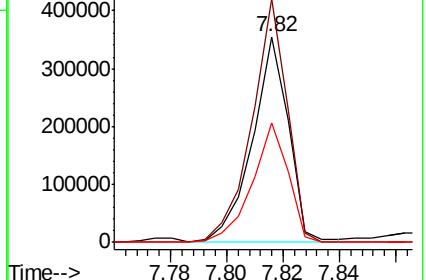
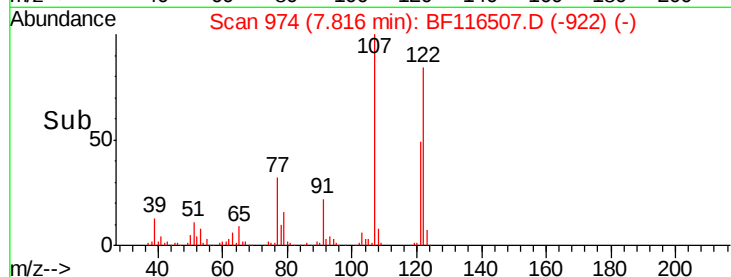
121 58.3 46.2 69.4



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 48.887 ng

RT: 7.91 min Scan# 990

Delta R.T. -0.00 min

Lab File: BF116507.D

Acq: 24 Aug 2019 7:48

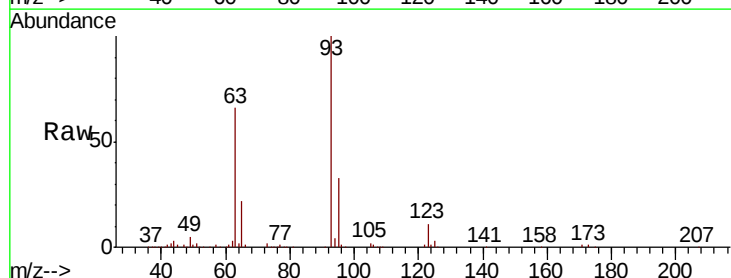
Tgt Ion: 93 Resp: 458113

Ion Ratio Lower Upper

93 100

95 32.7 26.3 39.5

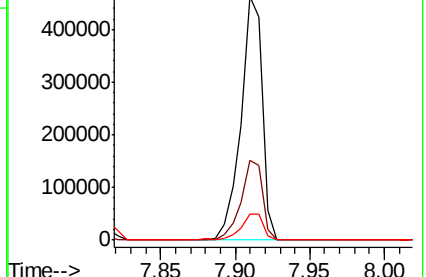
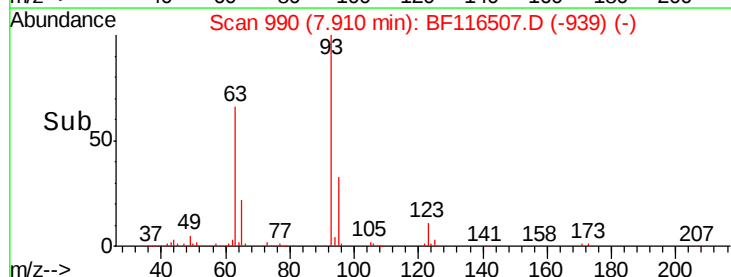
123 10.8 9.8 14.6

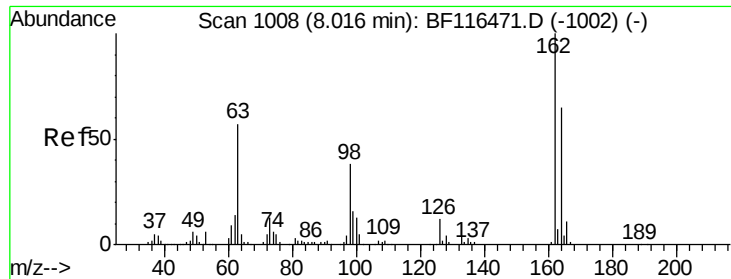


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E

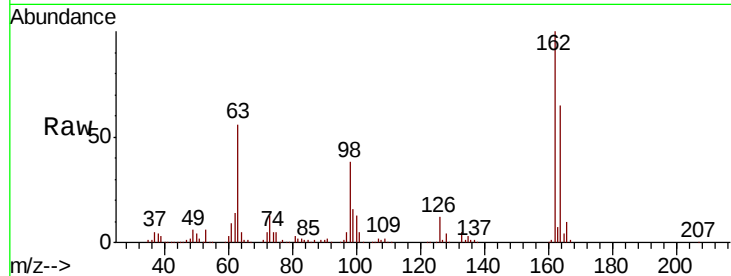




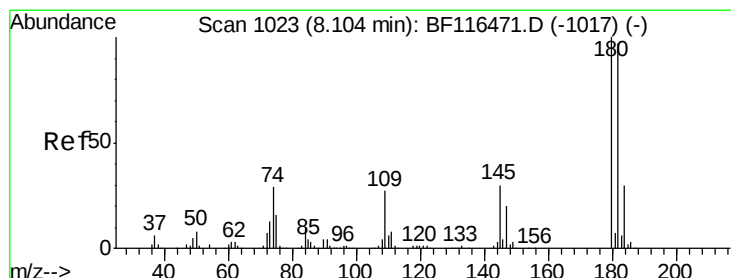
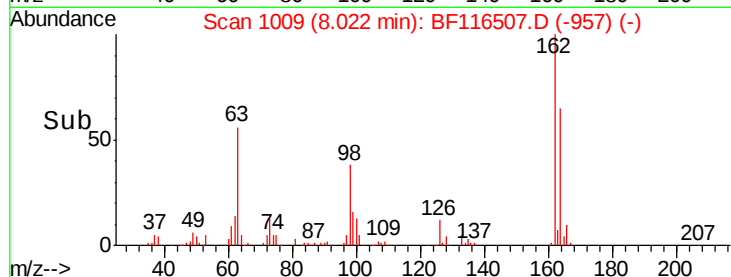
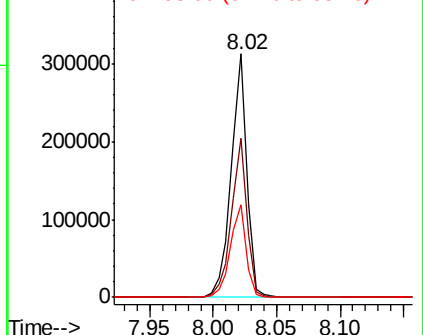
#29
 2,4-Dichlorophenol
 Concen: 46.037 ng
 RT: 8.02 min Scan# 1009
 Delta R.T. 0.01 min
 Lab File: BF116507.D
 Acq: 24 Aug 2019 7:48

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
162	100		
164	65.2	44.9	84.9
98	38.0	17.9	57.9

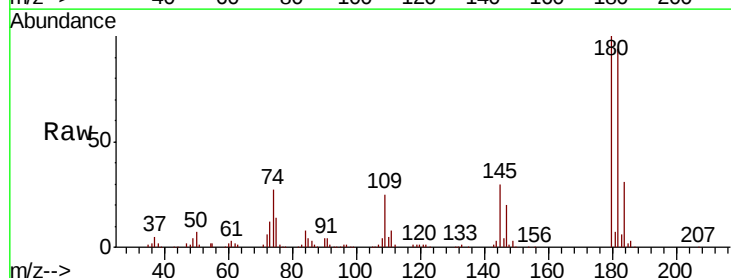


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF1

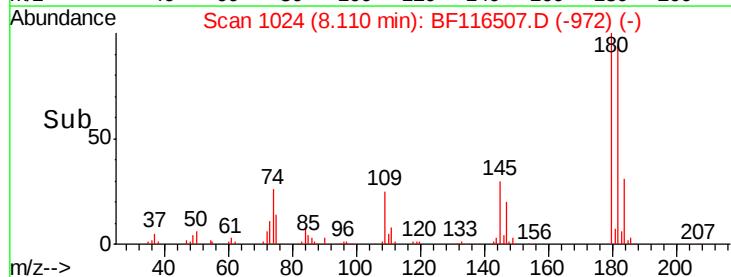
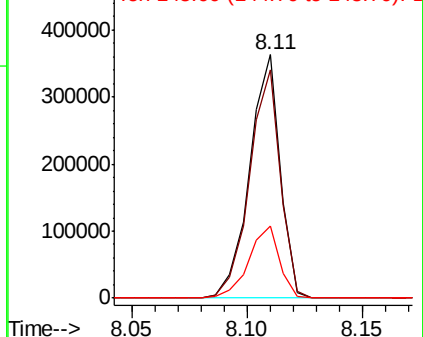


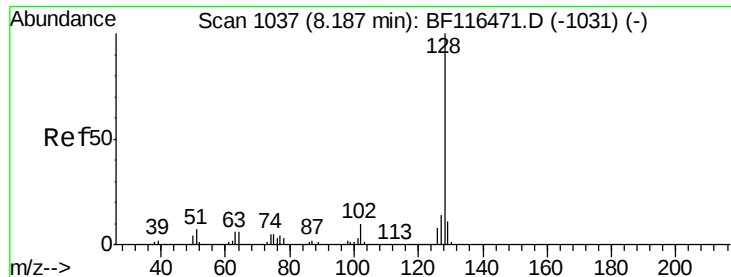
#30
 1,2,4-Trichlorobenzene
 Concen: 51.508 ng
 RT: 8.11 min Scan# 1024
 Delta R.T. 0.01 min
 Lab File: BF116507.D
 Acq: 24 Aug 2019 7:48

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.8	77.4	116.0
145	29.8	24.3	36.5



Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E

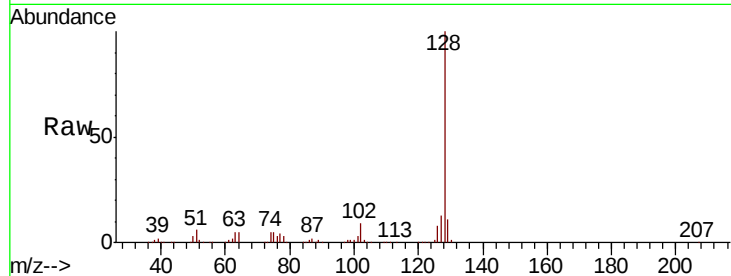




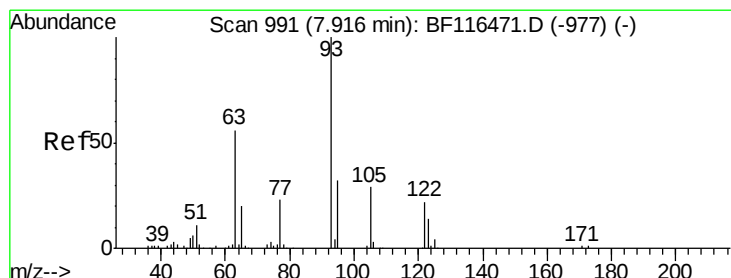
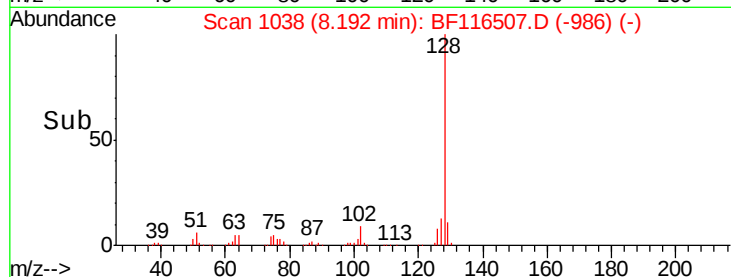
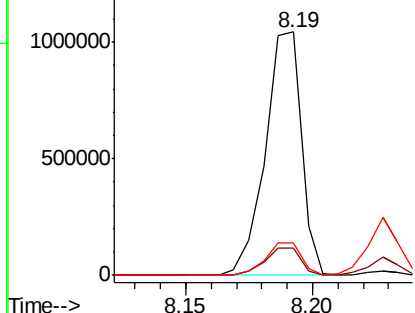
#31
Naphthalene
Concen: 50.883 ng
RT: 8.19 min Scan# 1038
Delta R.T. 0.01 min
Lab File: BF116507.D
Acq: 24 Aug 2019 7:48

Instrument :
BNA_F
ClientSampled :

Tot Ion:128 Resp: 1036960
Ion Ratio Lower Upper
128 100
129 11.1 9.0 13.6
127 13.5 10.9 16.3

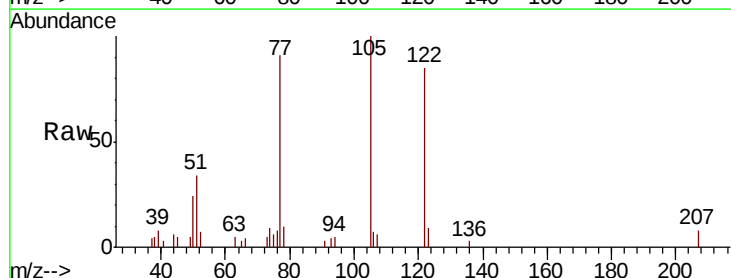


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

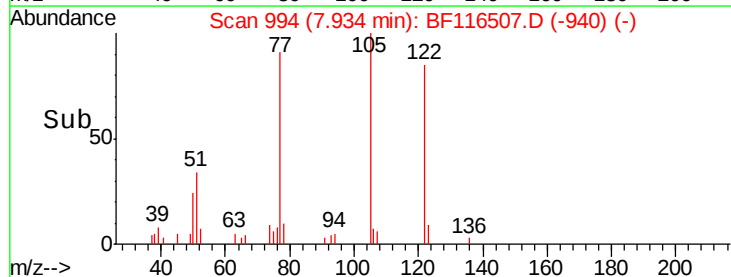
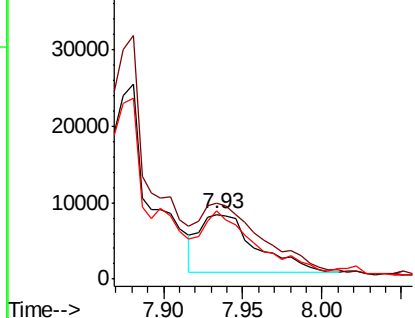


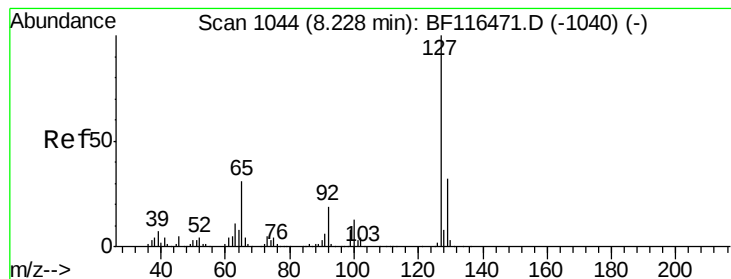
#32
Benzoic acid
Concen: 4.805 ng
RT: 7.93 min Scan# 994
Delta R.T. 0.02 min
Lab File: BF116507.D
Acq: 24 Aug 2019 7:48

Tgt Ion:122 Resp: 18670
Ion Ratio Lower Upper
122 100
105 117.0 109.9 149.9
77 106.3 84.9 124.9



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1





#33

4-Chloroaniline

Concen: 24.350 ng

RT: 8.23 min Scan# 1044

Delta R.T. -0.00 min

Lab File: BF116507.D

Acq: 24 Aug 2019 7:48

Instrument :

BNA_F

ClientSampleId :

Tot Ion:127 Resp: 217845

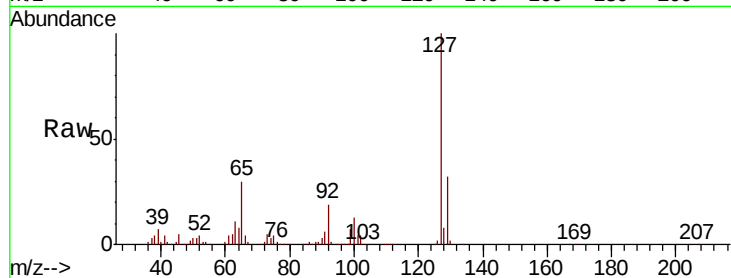
Ion Ratio Lower Upper

127 100

129 32.4 25.7 38.5

65 29.8 25.0 37.6

92 18.7 15.0 22.6

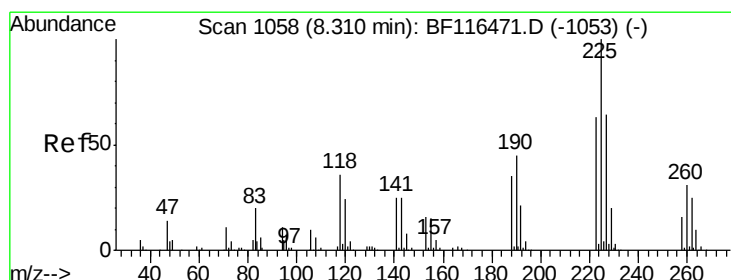
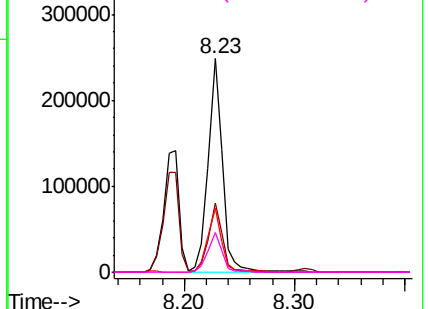
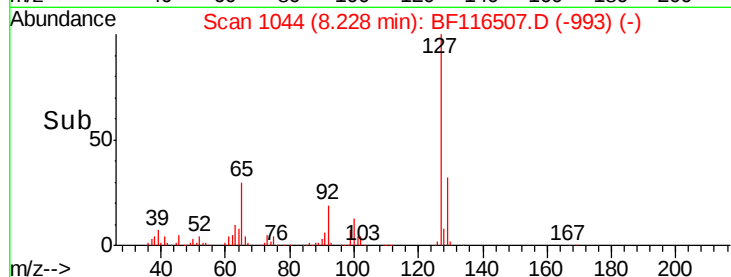


Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1



#34

Hexachlorobutadiene

Concen: 51.961 ng

RT: 8.31 min Scan# 1058

Delta R.T. -0.00 min

Lab File: BF116507.D

Acq: 24 Aug 2019 7:48

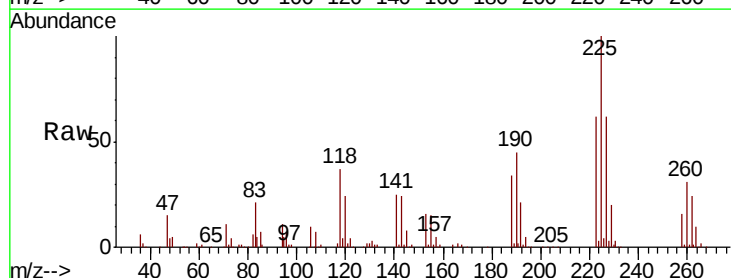
Tgt Ion:225 Resp: 184387

Ion Ratio Lower Upper

225 100

223 61.8 50.3 75.5

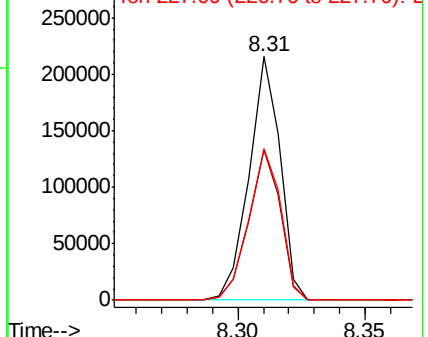
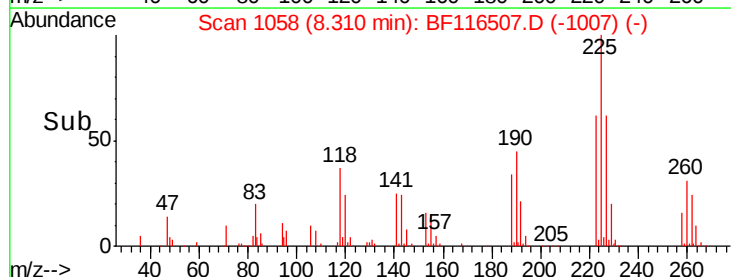
227 62.5 51.0 76.4

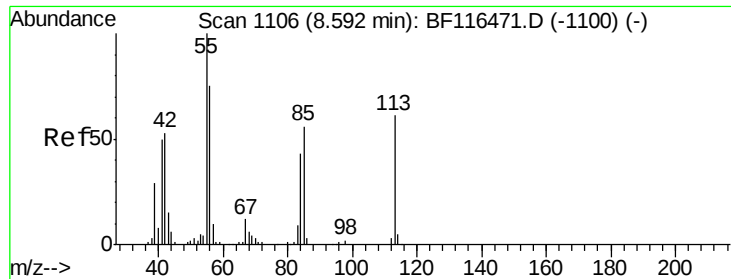


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

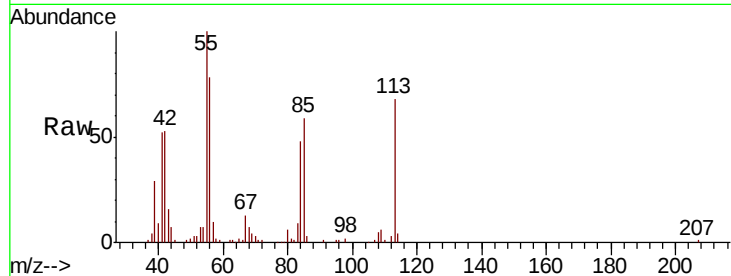




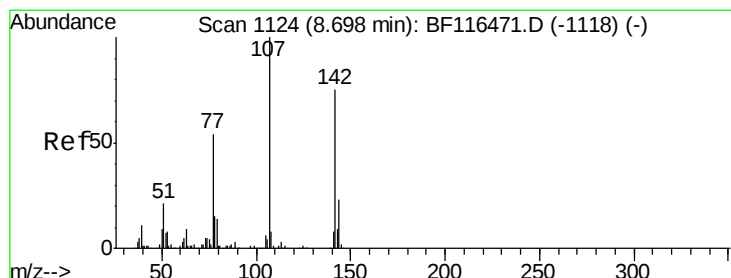
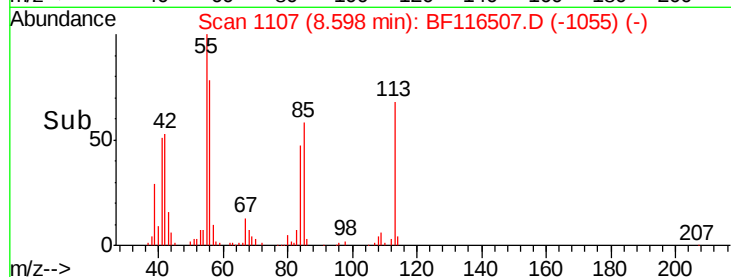
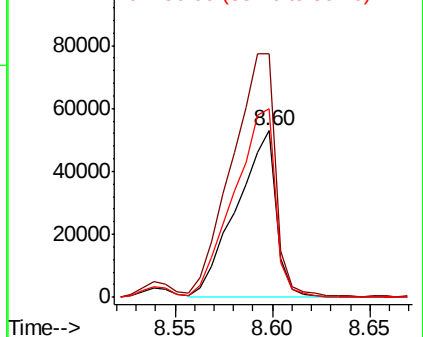
#35
 Caprolactam
 Concen: 36.994 ng
 RT: 8.60 min Scan# 1107
 Delta R.T. 0.01 min
 Lab File: BF116507.D
 Acq: 24 Aug 2019 7:48

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:113 Resp: 74478
 Ion Ratio Lower Upper
 113 100
 55 146.0 143.6 183.6
 56 113.5 102.3 142.3

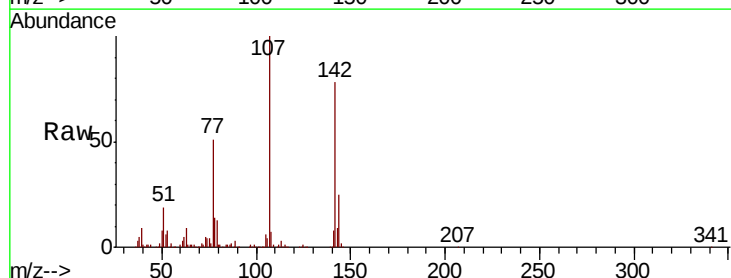


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF1
 Ion 56.00 (55.70 to 56.70): BF1

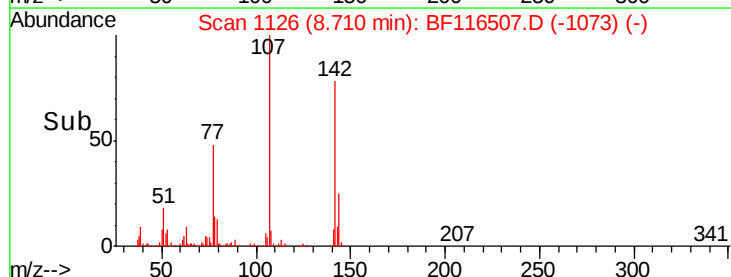
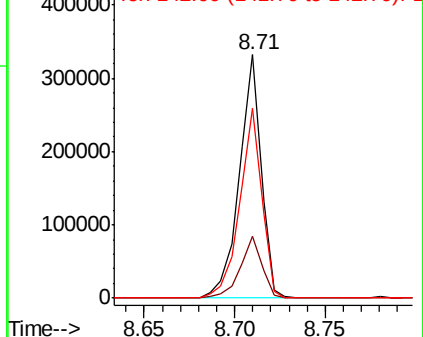


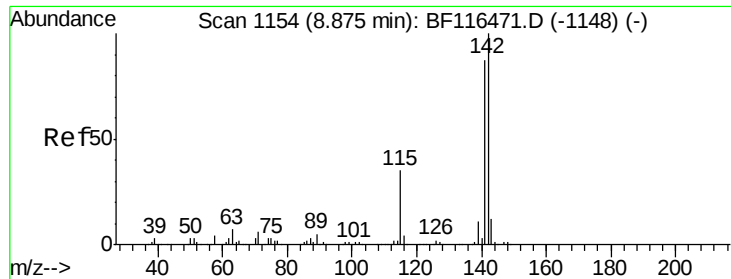
#36
 4-Chloro-3-methylphenol
 Concen: 42.902 ng
 RT: 8.71 min Scan# 1126
 Delta R.T. 0.01 min
 Lab File: BF116507.D
 Acq: 24 Aug 2019 7:48

Tgt Ion:107 Resp: 279779
 Ion Ratio Lower Upper
 107 100
 144 25.3 18.8 28.2
 142 77.8 59.8 89.6



Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E

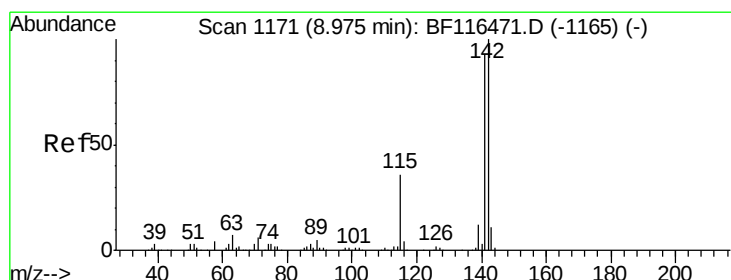
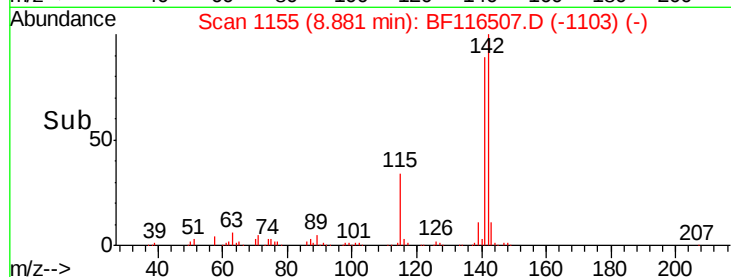
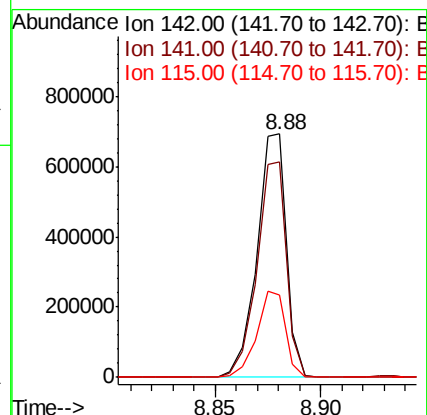
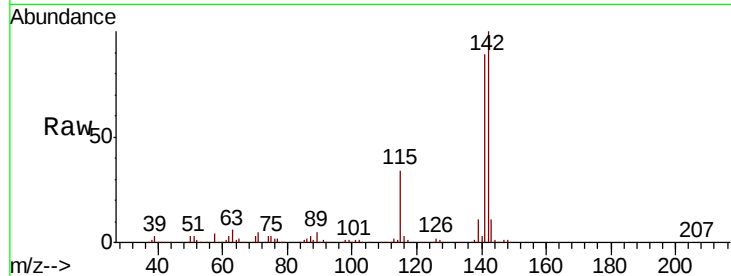




#37
2-Methylnaphthalene
Concen: 48.121 ng
RT: 8.88 min Scan# 1155
Delta R.T. 0.01 min
Lab File: BF116507.D
Acq: 24 Aug 2019 7:48

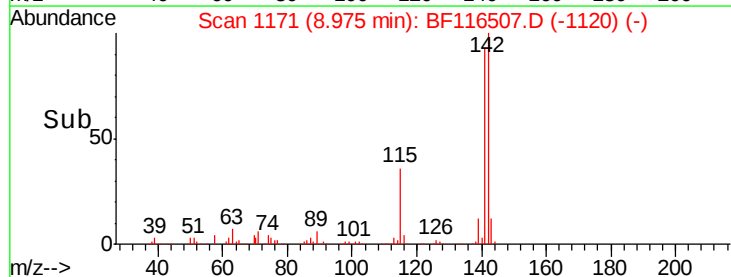
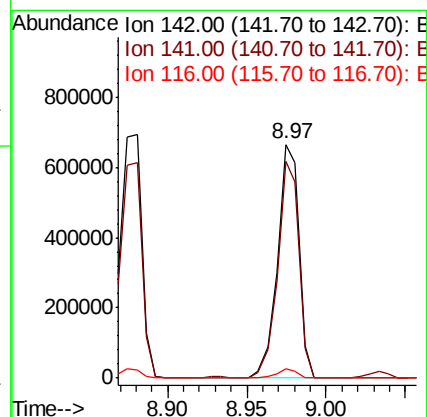
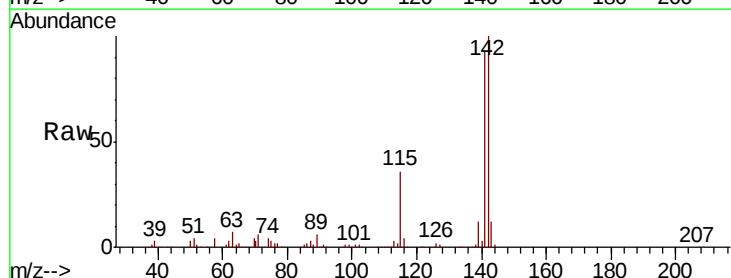
Instrument :
BNA_F
ClientSampleId :

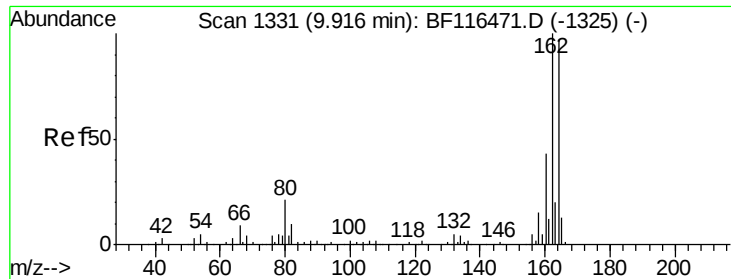
Tot Ion	Ratio	Lower	Upper
142	100		
141	88.5	69.8	104.6
115	33.7	27.7	41.5



#38
1-Methylnaphthalene
Concen: 48.211 ng
RT: 8.97 min Scan# 1171
Delta R.T. -0.00 min
Lab File: BF116507.D
Acq: 24 Aug 2019 7:48

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.7	74.2	111.2
116	3.8	2.9	4.3

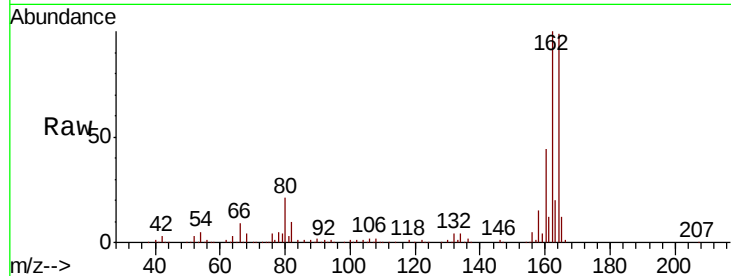




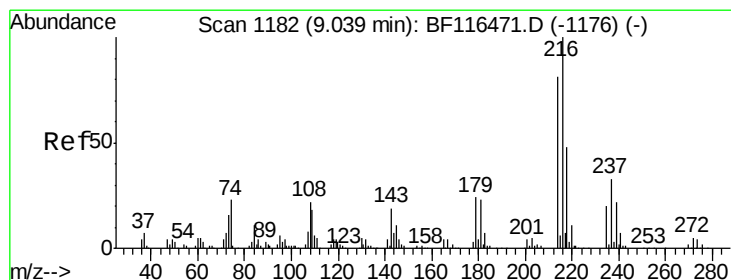
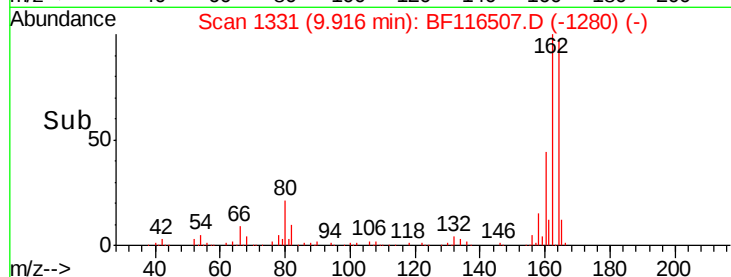
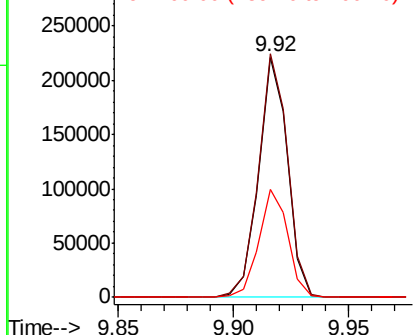
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.00 min
Lab File: BF116507.D
Acq: 24 Aug 2019 7:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 193062
Ion Ratio Lower Upper
164 100
162 101.4 82.6 123.8
160 44.9 35.8 53.8

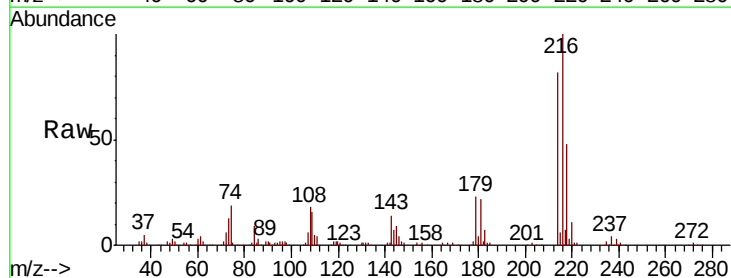


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

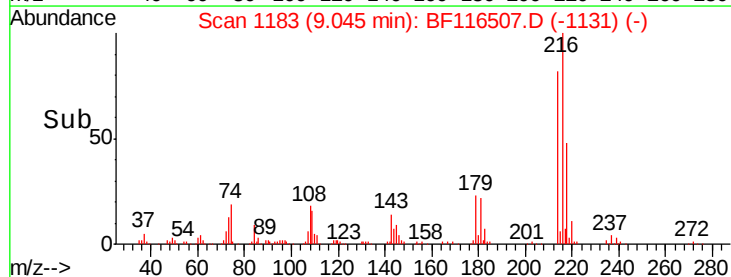
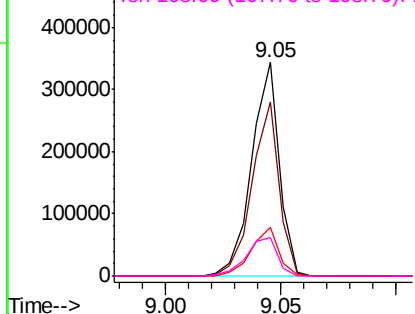


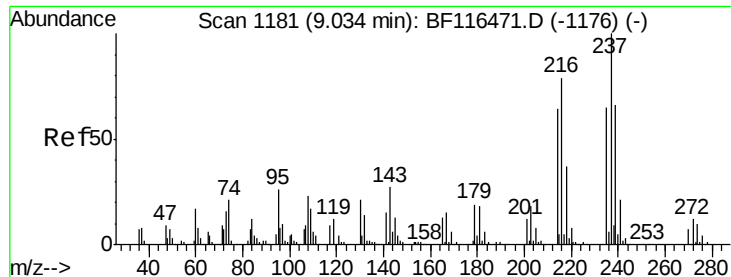
#40
1,2,4,5-Tetrachlorobenzene
Concen: 55.442 ng
RT: 9.05 min Scan# 1183
Delta R.T. 0.01 min
Lab File: BF116507.D
Acq: 24 Aug 2019 7:48

Tgt Ion:216 Resp: 287981
Ion Ratio Lower Upper
216 100
214 79.9 63.8 95.8
179 22.7 18.5 27.7
108 20.4 17.3 25.9



Abundance Ion 216.00 (215.70 to 216.70): E
Ion 214.00 (213.70 to 214.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 41.745 ng

RT: 9.03 min Scan# 1181

Delta R.T. -0.00 min

Lab File: BF116507.D

Acq: 24 Aug 2019 7:48

Instrument :

BNA_F

ClientSampleId :

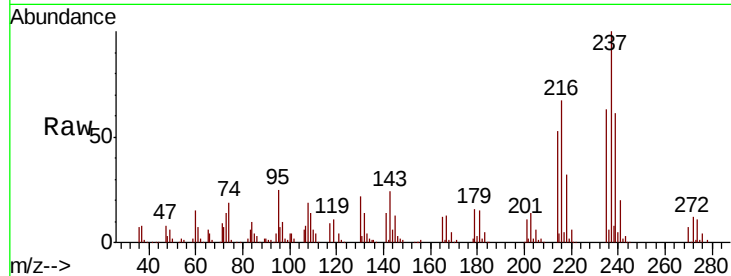
Tot Ion:237 Resp: 116663

Ion Ratio Lower Upper

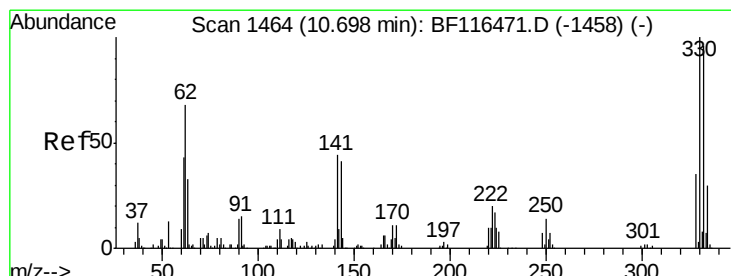
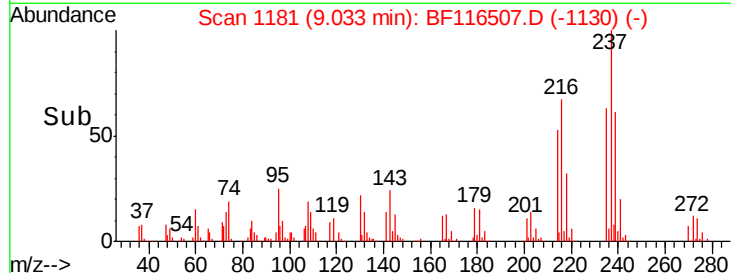
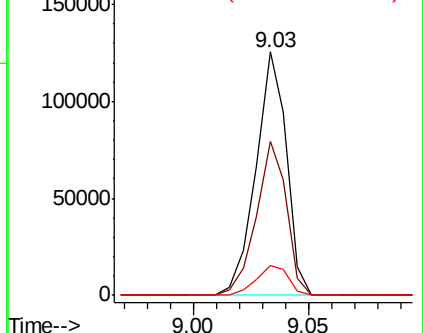
237 100

235 63.2 44.8 84.8

272 12.4 0.0 32.5



Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 101.630 ng

RT: 10.70 min Scan# 1465

Delta R.T. 0.01 min

Lab File: BF116507.D

Acq: 24 Aug 2019 7:48

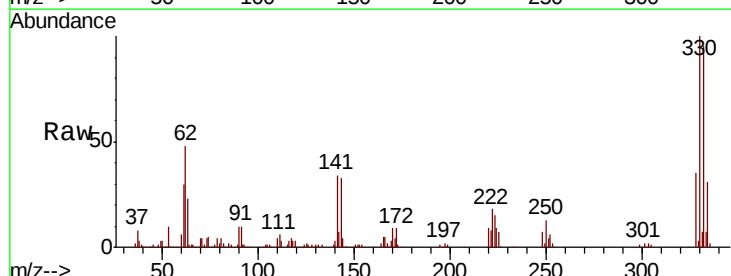
Tgt Ion:330 Resp: 168479

Ion Ratio Lower Upper

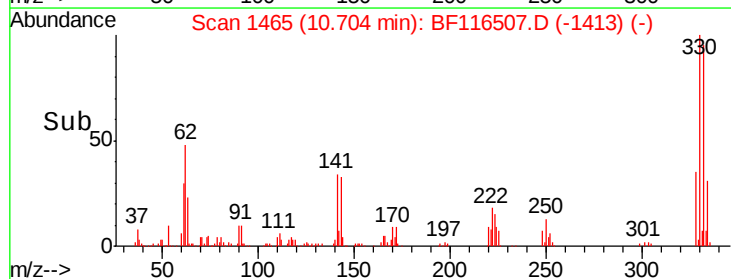
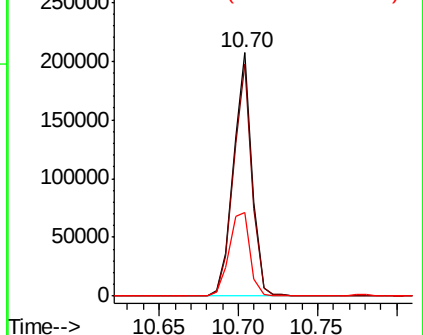
330 100

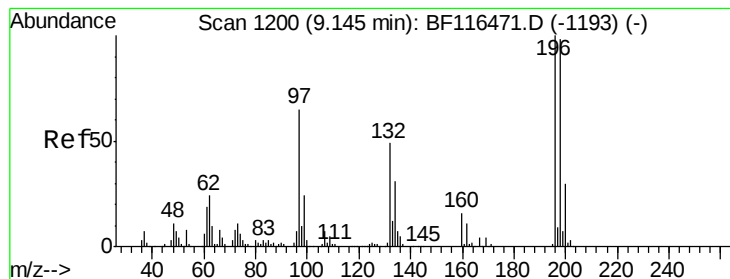
332 94.9 77.2 115.8

141 38.8 33.3 49.9



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





#43

2,4,6-Trichlorophenol

Concen: 46.206 ng

RT: 9.15 min Scan# 1201

Delta R.T. 0.01 min

Lab File: BF116507.D

Acq: 24 Aug 2019 7:48

Instrument :

BNA_F

ClientSampled :

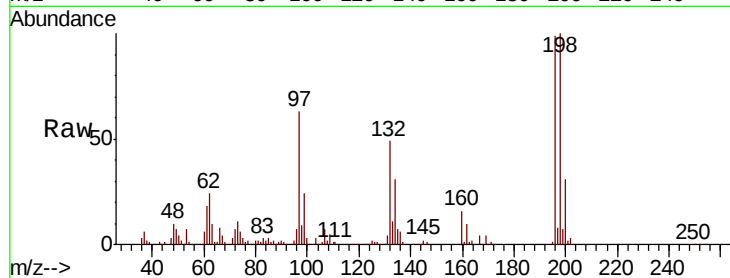
Tot Ion:196 Resp: 167972

Ion Ratio Lower Upper

196 100

198 100.8 78.0 117.0

200 31.4 24.2 36.2

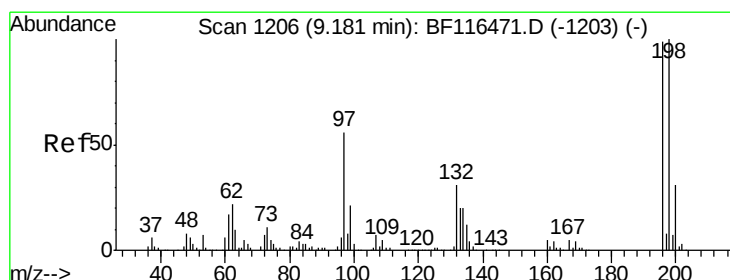
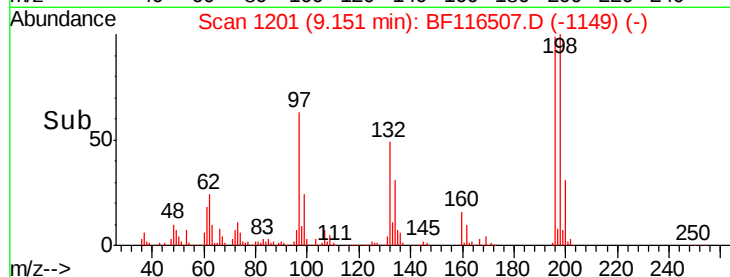
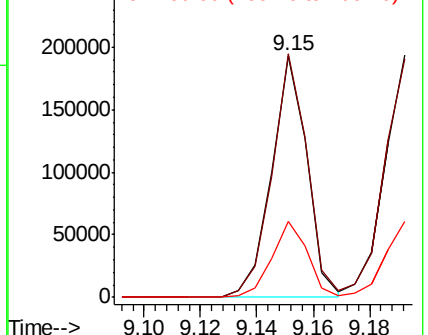


Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#44

2,4,5-Trichlorophenol

Concen: 45.011 ng

RT: 9.19 min Scan# 1208

Delta R.T. 0.01 min

Lab File: BF116507.D

Acq: 24 Aug 2019 7:48

Tgt Ion:196 Resp: 166491

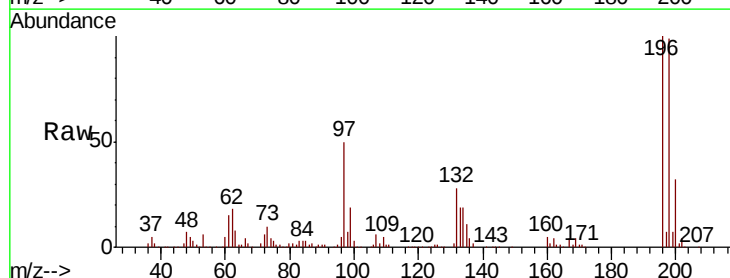
Ion Ratio Lower Upper

196 100

198 98.6 80.8 121.2

97 49.9 45.7 68.5

132 28.4 25.1 37.7



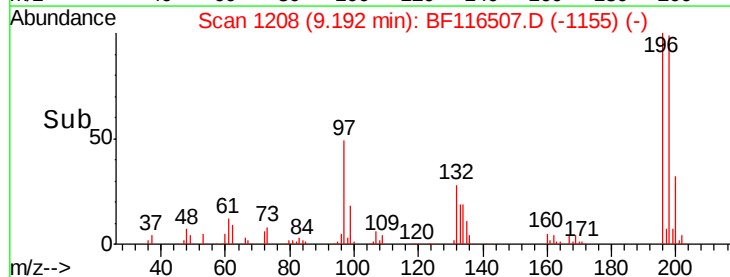
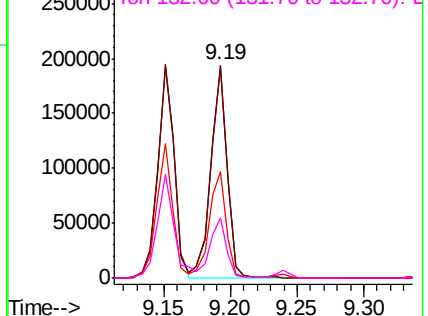
Abundance

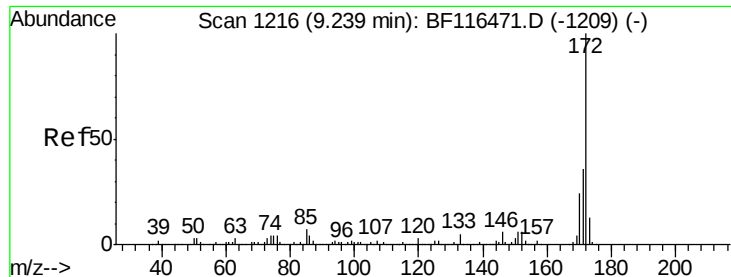
Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF1

Ion 132.00 (131.70 to 132.70): E

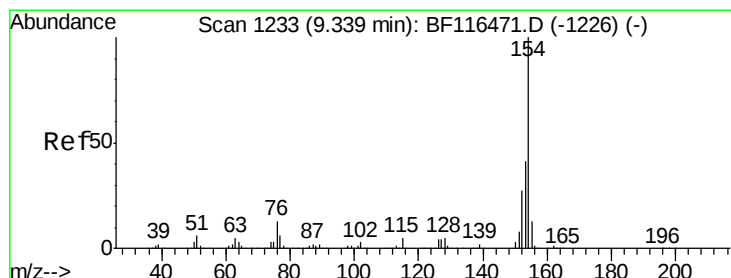
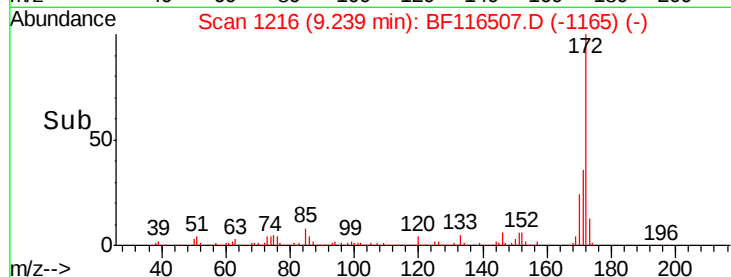
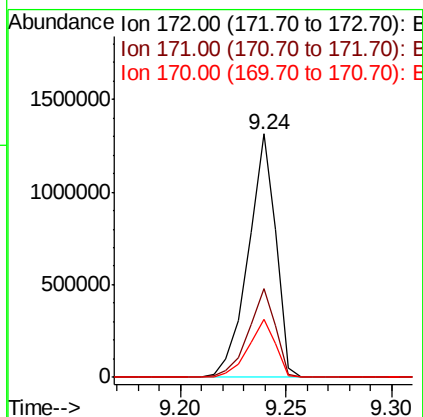
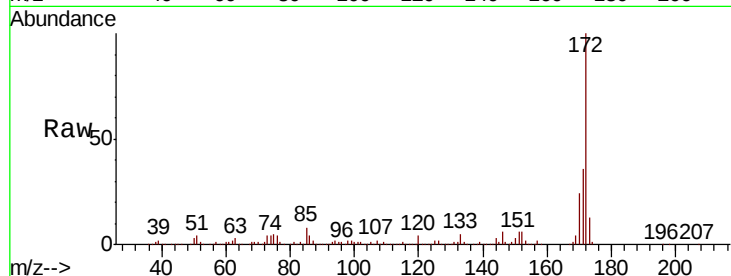




#45
2-Fluorobiphenyl
Concen: 99.147 ng
RT: 9.24 min Scan# 1216
Delta R.T. -0.00 min
Lab File: BF116507.D
Acq: 24 Aug 2019 7:48

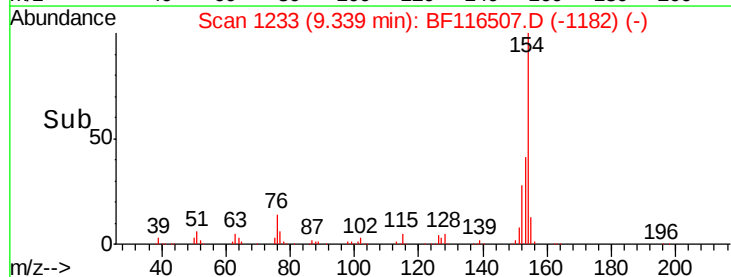
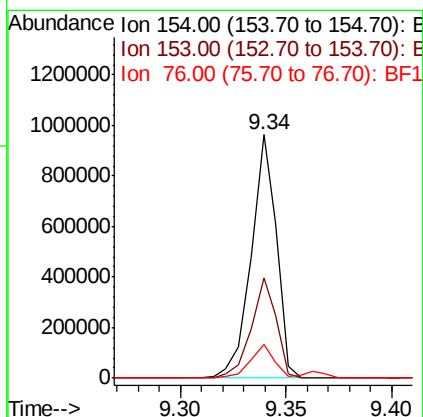
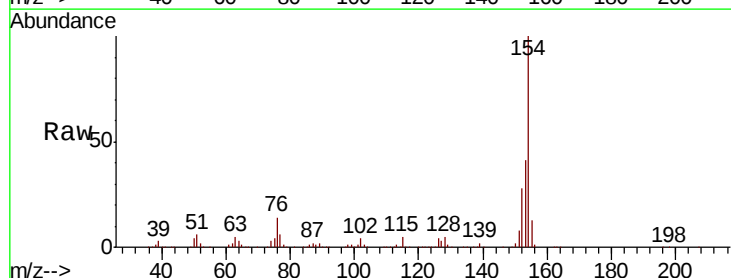
Instrument :
BNA_F
ClientSampleId :

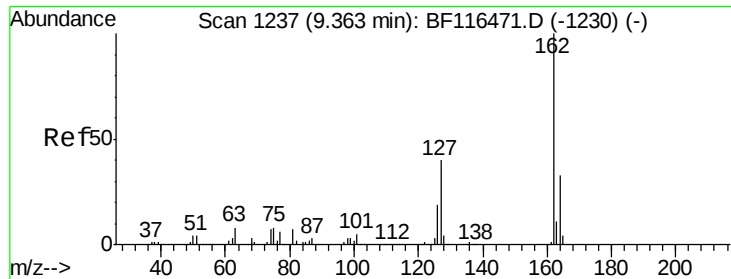
Tot Ion:172 Resp: 1188615
Ion Ratio Lower Upper
172 100
171 36.5 28.9 43.3
170 23.7 19.4 29.0



#46
1,1'-Biphenyl
Concen: 51.798 ng
RT: 9.34 min Scan# 1233
Delta R.T. -0.00 min
Lab File: BF116507.D
Acq: 24 Aug 2019 7:48

Tgt Ion:154 Resp: 799539
Ion Ratio Lower Upper
154 100
153 41.2 21.3 61.3
76 13.9 0.0 32.9

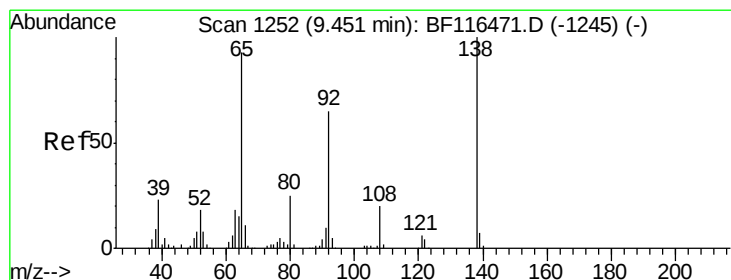
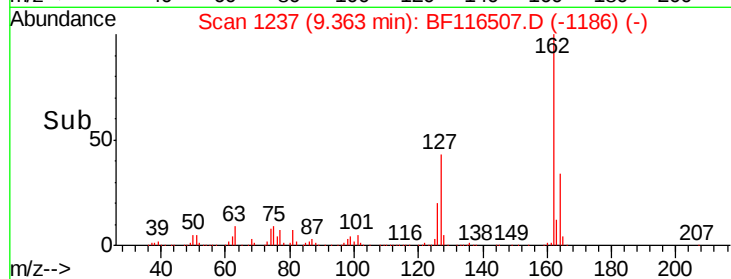
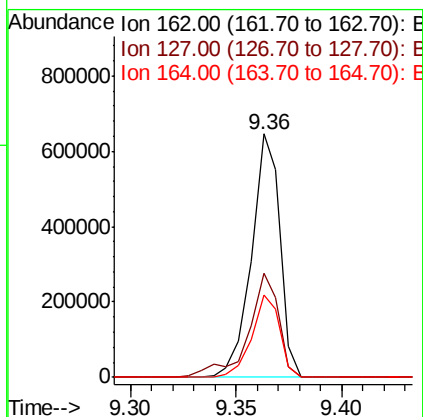
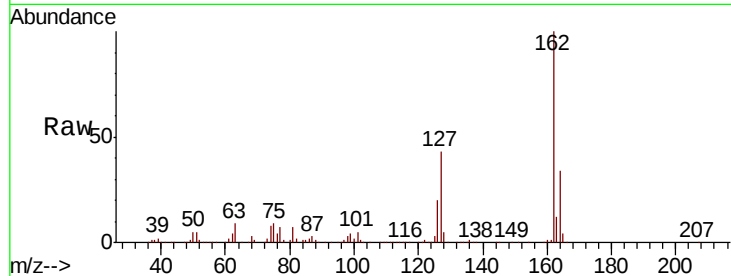




#47
 2-Chloronaphthalene
 Concen: 50.474 ng
 RT: 9.36 min Scan# 1237
 Delta R.T. -0.00 min
 Lab File: BF116507.D
 Acq: 24 Aug 2019 7:48

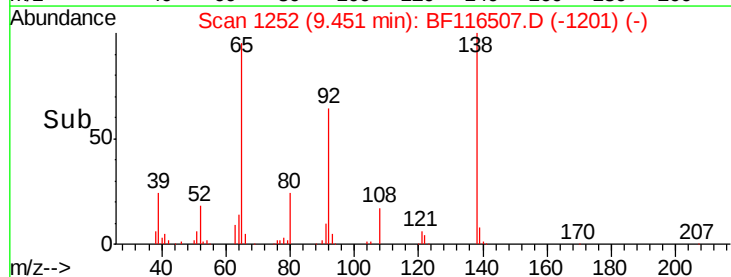
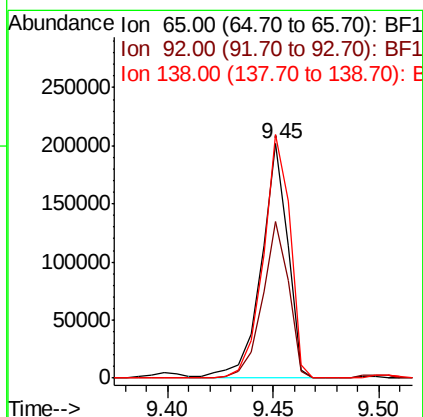
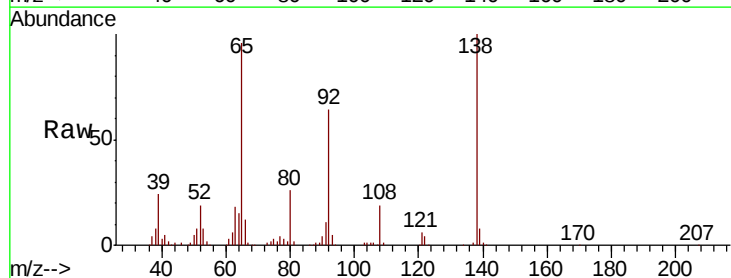
Instrument :
 BNA_F
 ClientSampleId :

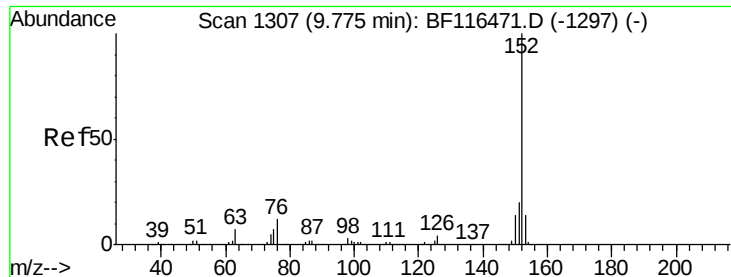
Tot Ion	Ratio	Lower	Upper
162	100		
127	42.6	32.5	48.7
164	33.7	26.7	40.1



#48
 2-Nitroaniline
 Concen: 47.718 ng
 RT: 9.45 min Scan# 1252
 Delta R.T. -0.00 min
 Lab File: BF116507.D
 Acq: 24 Aug 2019 7:48

Tgt Ion	Ratio	Lower	Upper
65	100		
92	66.9	56.2	84.2
138	103.9	86.0	129.0





#49

Acenaphthylene

Concen: 51.641 ng

RT: 9.78 min Scan# 1308

Delta R.T. 0.01 min

Lab File: BF116507.D

Acq: 24 Aug 2019 7:48

Instrument :

BNA_F

ClientSampled :

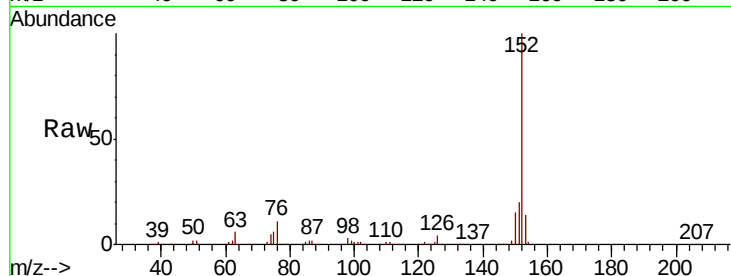
Tot Ion:152 Resp: 904123

Ion Ratio Lower Upper

152 100

151 20.2 16.1 24.1

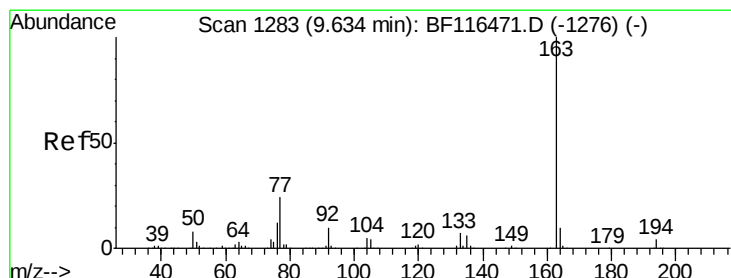
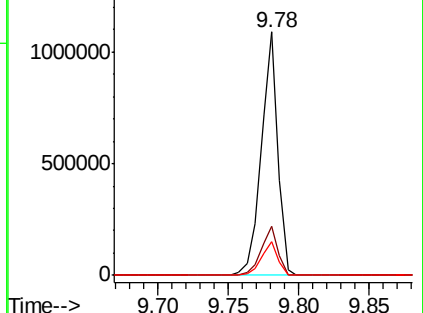
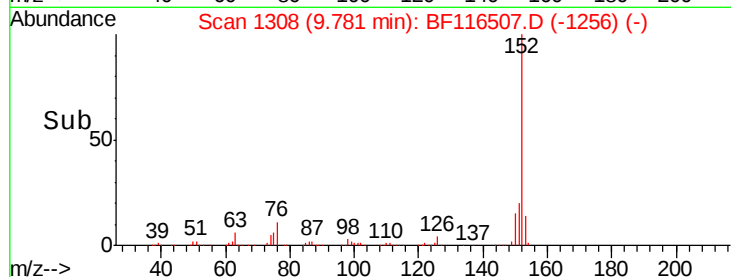
153 13.7 11.4 17.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 61.463 ng

RT: 9.64 min Scan# 1284

Delta R.T. 0.01 min

Lab File: BF116507.D

Acq: 24 Aug 2019 7:48

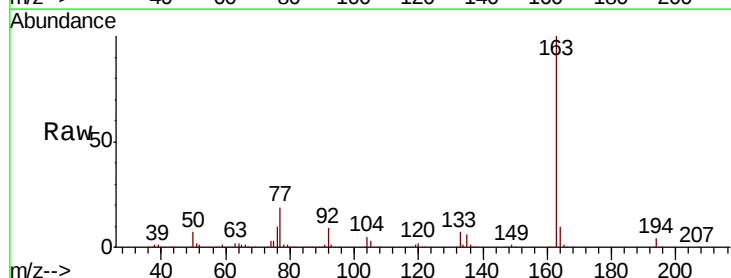
Tgt Ion:163 Resp: 827910

Ion Ratio Lower Upper

163 100

194 3.8 2.9 4.3

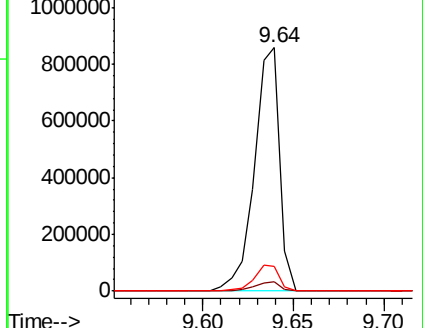
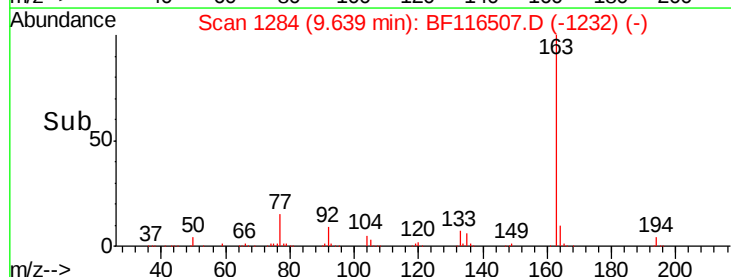
164 10.0 8.2 12.2

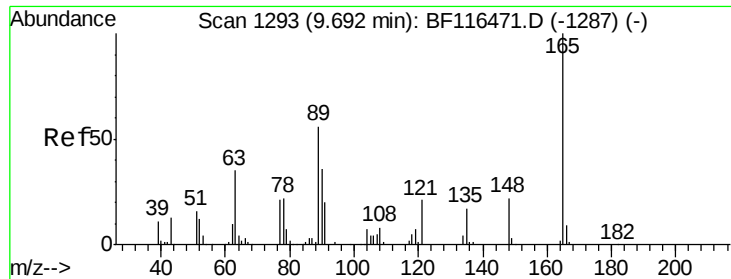


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 44.713 ng

RT: 9.69 min Scan# 1293

Delta R.T. -0.00 min

Lab File: BF116507.D

Acq: 24 Aug 2019 7:48

Instrument :

BNA_F

ClientSampleId :

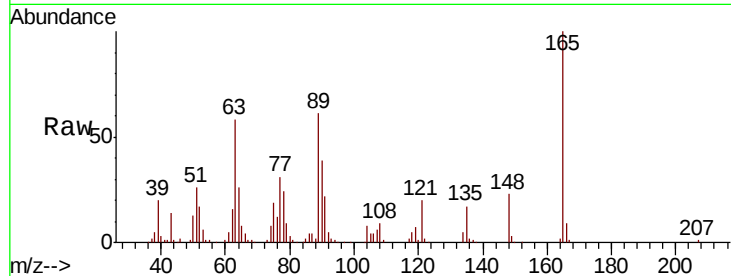
Tot Ion:165 Resp: 123279

Ion Ratio Lower Upper

165 100

63 58.2 43.7 65.5

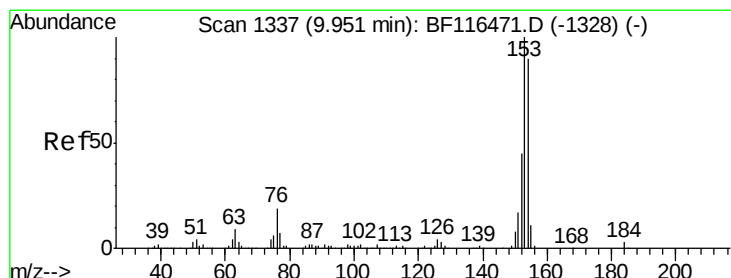
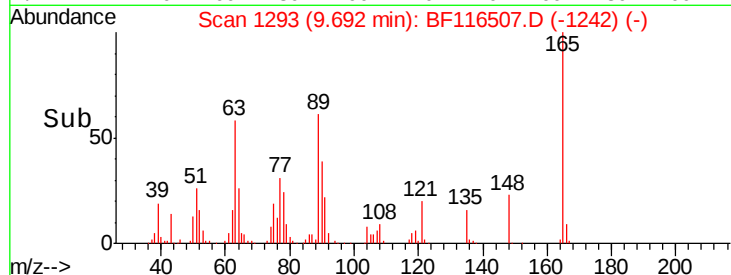
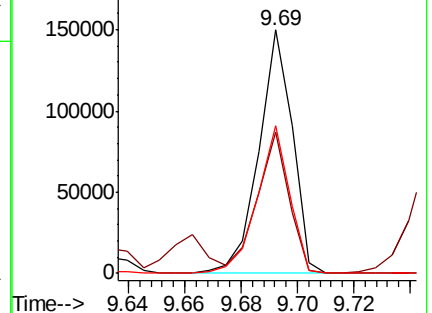
89 60.7 45.1 67.7



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#52

Acenaphthene

Concen: 48.970 ng

RT: 9.95 min Scan# 1337

Delta R.T. -0.00 min

Lab File: BF116507.D

Acq: 24 Aug 2019 7:48

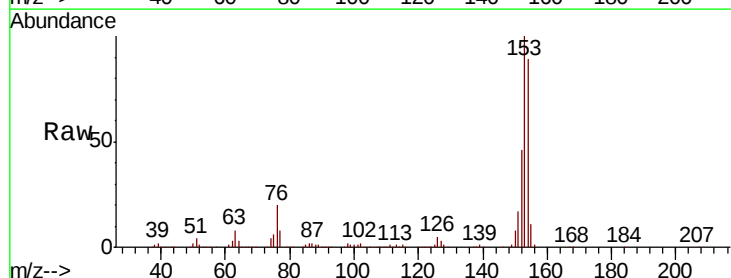
Tgt Ion:154 Resp: 550144

Ion Ratio Lower Upper

154 100

153 111.8 89.3 133.9

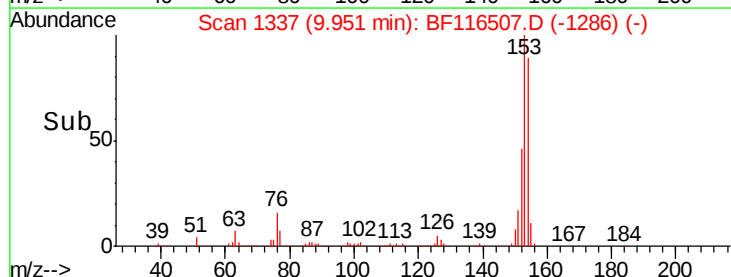
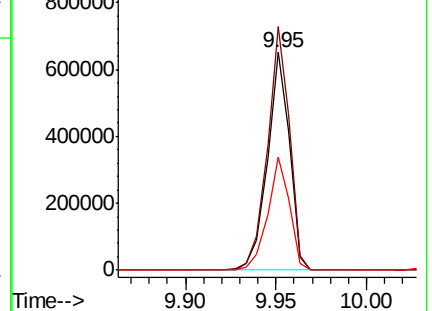
152 51.7 40.2 60.4

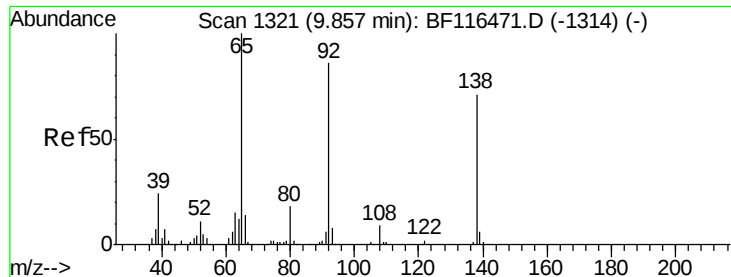


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

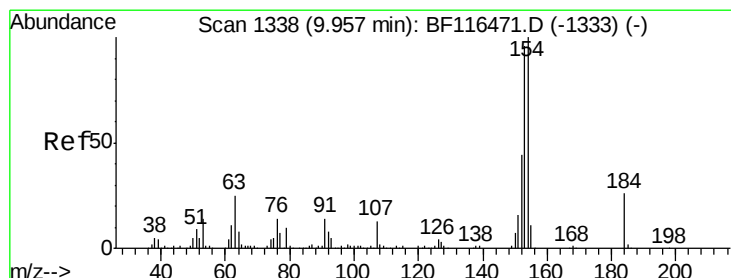
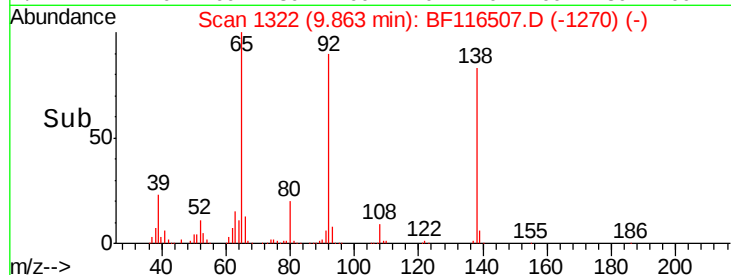
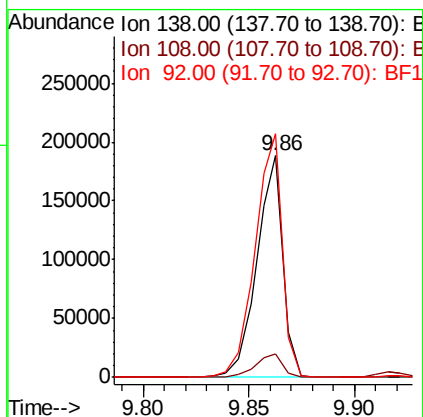
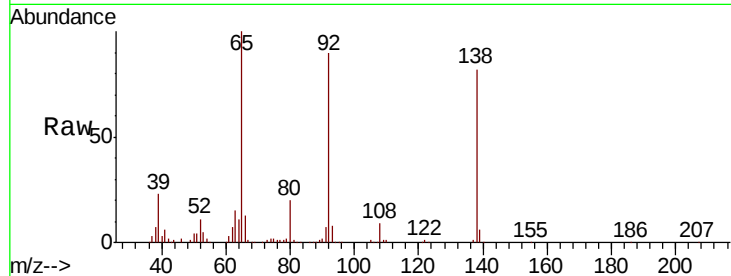




#53
3-Nitroaniline
Concen: 49.201 ng
RT: 9.86 min Scan# 1322
Delta R.T. 0.01 min
Lab File: BF116507.D
Acq: 24 Aug 2019 7:48

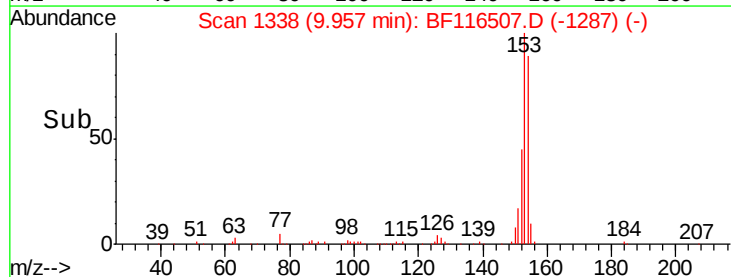
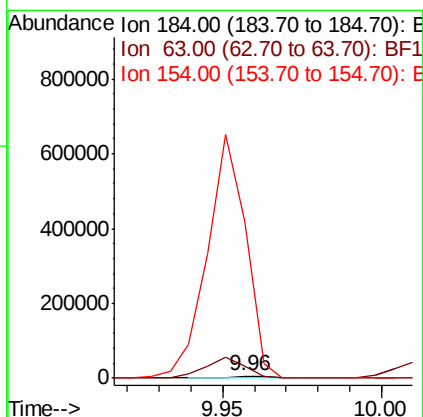
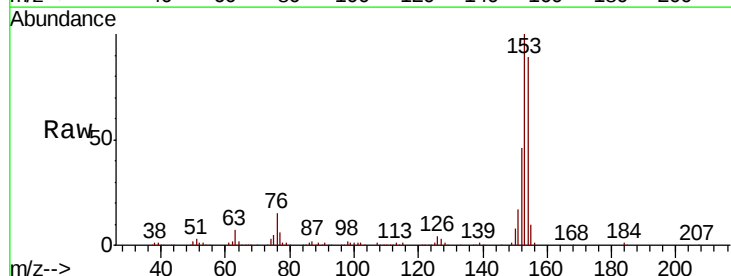
Instrument :
BNA_F
ClientSampleId :

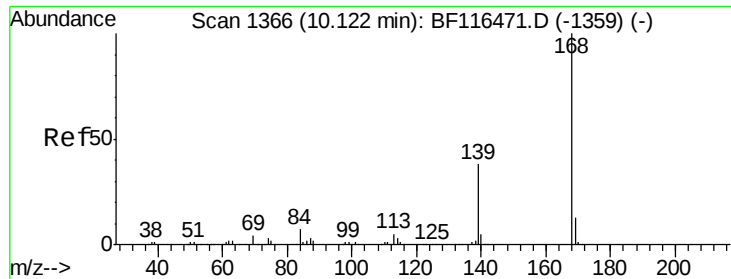
Tot Ion:138 Resp: 161700
Ion Ratio Lower Upper
138 100
108 10.7 10.0 15.0
92 110.0 97.7 146.5



#54
2,4-Dinitrophenol
Concen: 12.835 ng
RT: 9.96 min Scan# 1338
Delta R.T. -0.00 min
Lab File: BF116507.D
Acq: 24 Aug 2019 7:48

Tgt Ion:184 Resp: 5326
Ion Ratio Lower Upper
184 100
63 502.7 78.2 117.4#
154 6754.6 320.4 480.6#

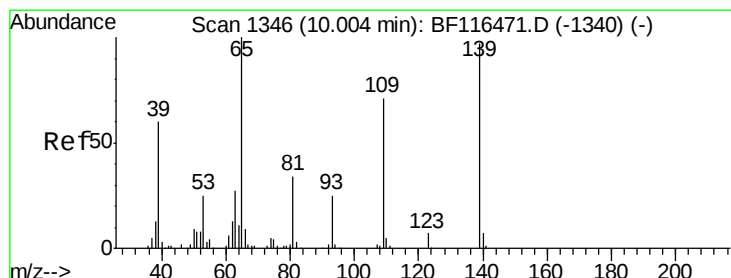
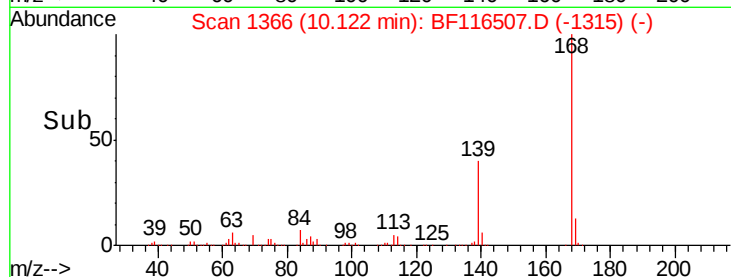
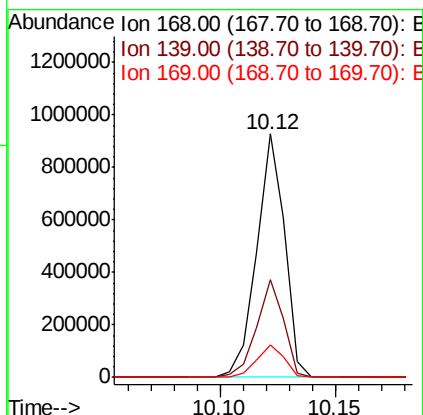
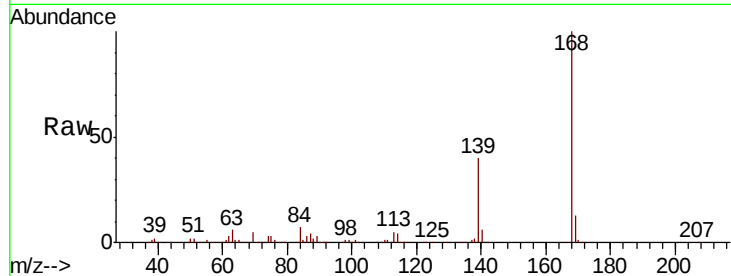




#55
 Dibenzofuran
 Concen: 50.119 ng
 RT: 10.12 min Scan# 1366
 Delta R.T. -0.00 min
 Lab File: BF116507.D
 Acq: 24 Aug 2019 7:48

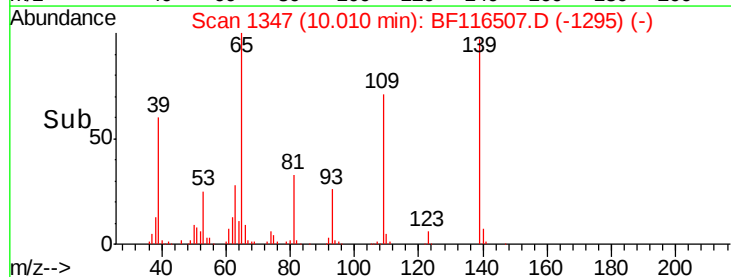
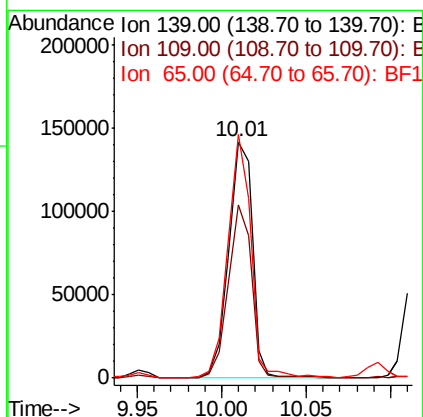
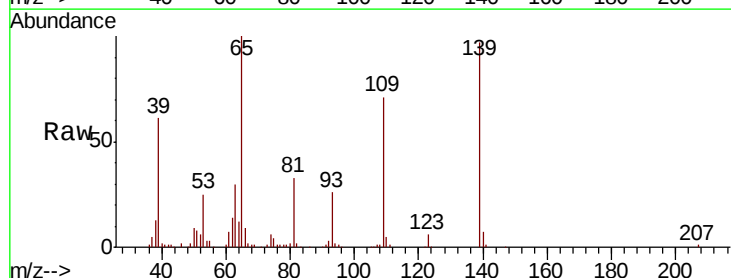
Instrument :
 BNA_F
 ClientSampleId :

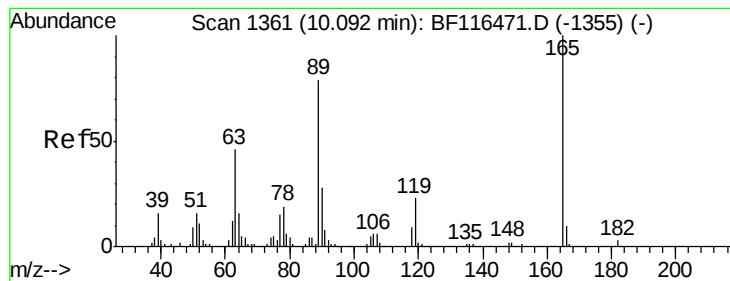
Tot Ion	Ratio	Lower	Upper
168	100		
139	40.0	30.7	46.1
169	13.5	10.7	16.1



#56
 4-Nitrophenol
 Concen: 54.186 ng
 RT: 10.01 min Scan# 1347
 Delta R.T. 0.01 min
 Lab File: BF116507.D
 Acq: 24 Aug 2019 7:48

Tgt Ion	Ratio	Lower	Upper
139	100		
109	73.2	53.4	93.4
65	103.1	83.0	123.0





#57

2,4-Dinitrotoluene

Concen: 40.857 ng

RT: 10.09 min Scan# 1361

Delta R.T. -0.00 min

Lab File: BF116507.D

Acq: 24 Aug 2019 7:48

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 143339

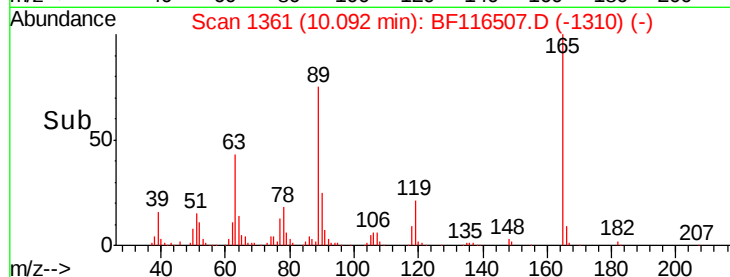
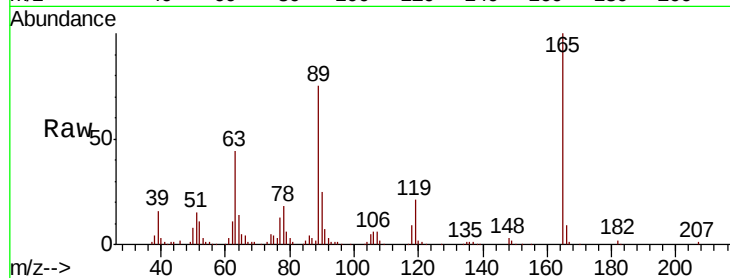
Ion Ratio Lower Upper

165 100

63 43.8 36.9 55.3

89 74.7 63.4 95.0

182 2.5 2.1 3.1

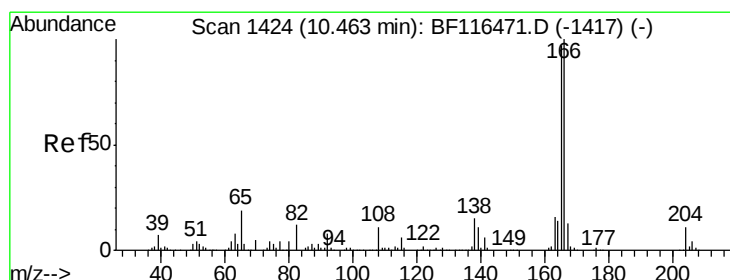
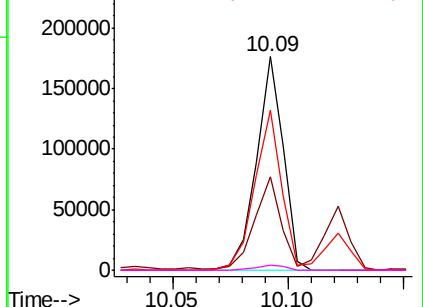


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#58

Fluorene

Concen: 48.028 ng

RT: 10.46 min Scan# 1424

Delta R.T. -0.00 min

Lab File: BF116507.D

Acq: 24 Aug 2019 7:48

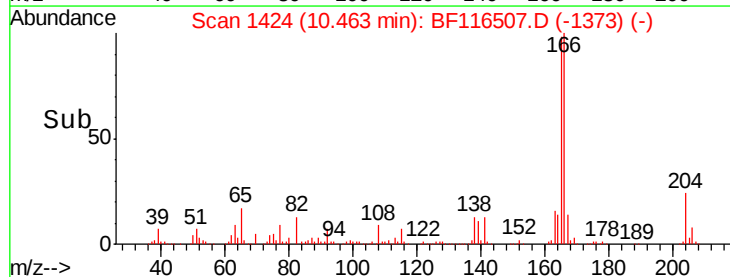
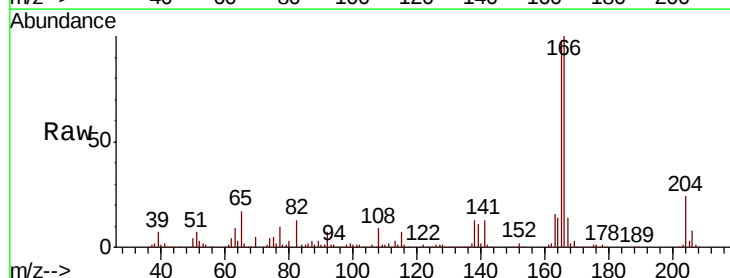
Tgt Ion:166 Resp: 584350

Ion Ratio Lower Upper

166 100

165 97.5 77.4 116.0

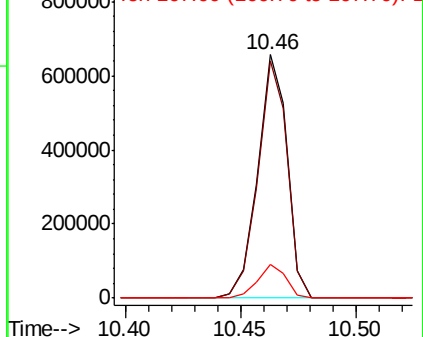
167 13.7 10.8 16.2

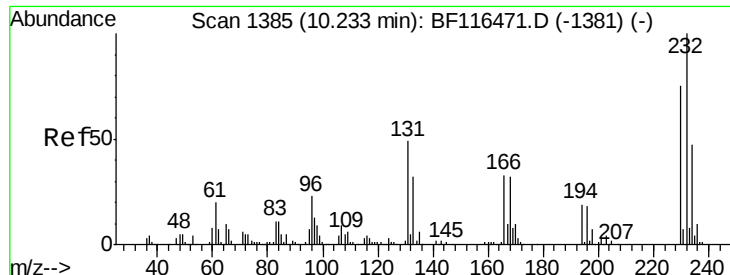


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#59

2,3,4,6-Tetrachlorophenol

Concen: 39.440 ng

RT: 10.24 min Scan# 1386

Delta R.T. 0.01 min

Lab File: BF116507.D

Acq: 24 Aug 2019 7:48

Instrument :

BNA_F

ClientSampleId :

Tot Ion:232 Resp: 119787

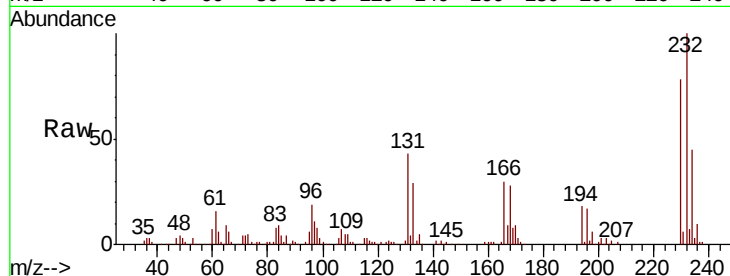
Ion Ratio Lower Upper

232 100

131 48.5 40.8 61.2

130 2.3 1.8 2.8

166 31.3 26.8 40.2

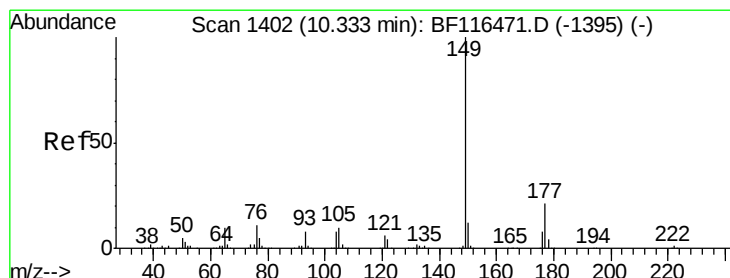
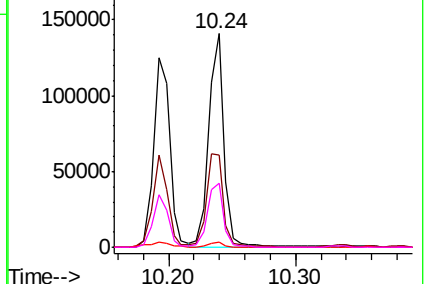
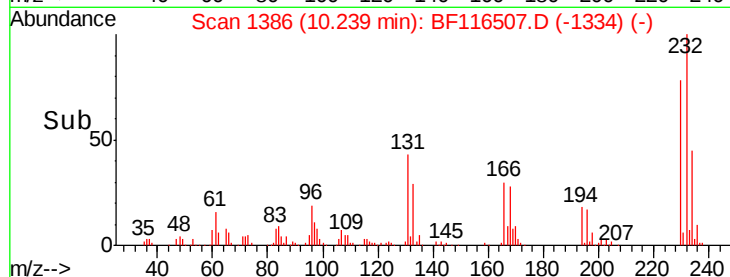


Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60

Diethylphthalate

Concen: 52.339 ng

RT: 10.33 min Scan# 1402

Delta R.T. -0.00 min

Lab File: BF116507.D

Acq: 24 Aug 2019 7:48

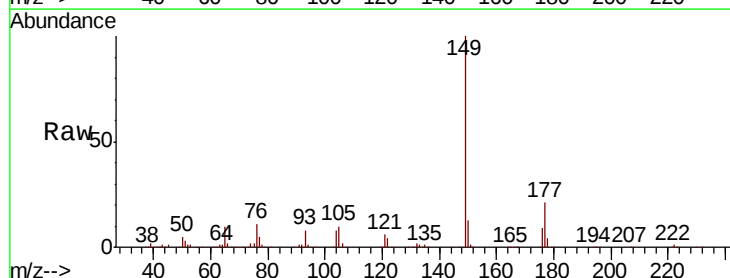
Tgt Ion:149 Resp: 692925

Ion Ratio Lower Upper

149 100

177 21.3 17.1 25.7

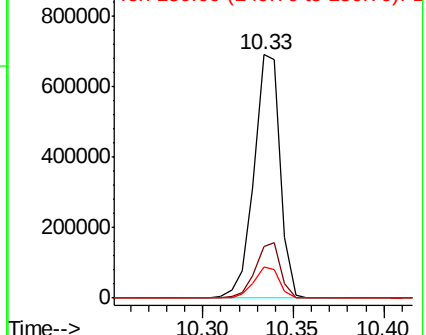
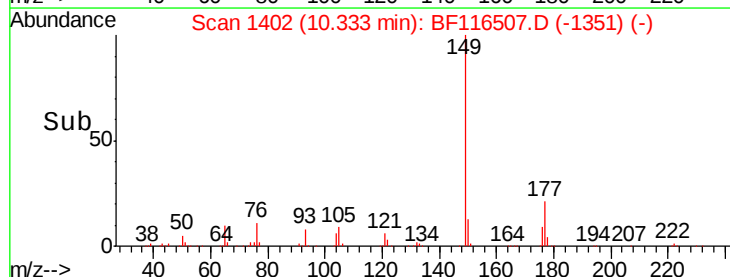
150 12.6 9.8 14.6



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

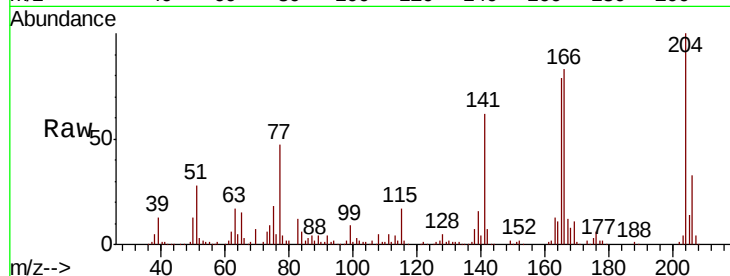




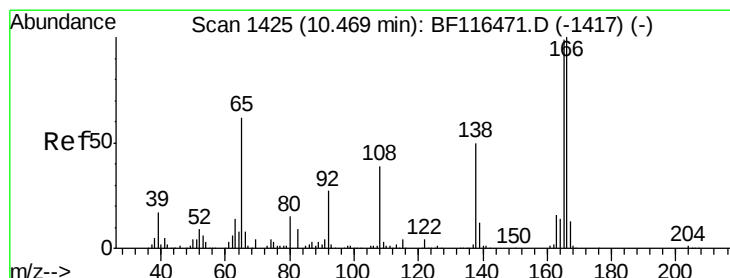
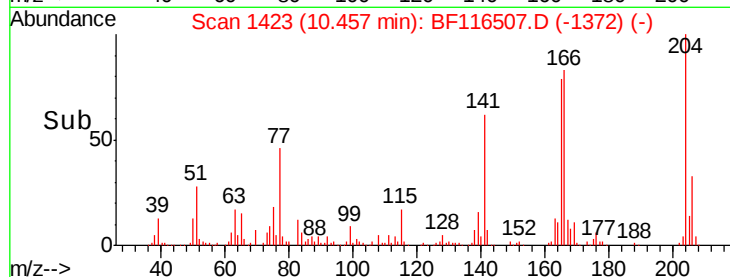
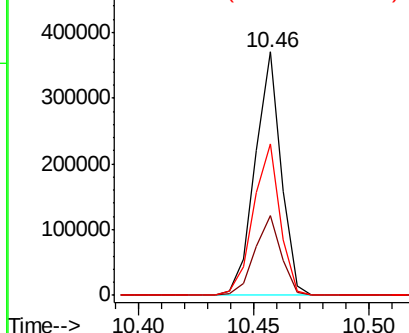
#61
 4-Chlorophenyl-phenylether
 Concen: 49.266 ng
 RT: 10.46 min Scan# 1423
 Delta R.T. -0.00 min
 Lab File: BF116507.D
 Acq: 24 Aug 2019 7:48

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:	204	Resp:	292422
Ion Ratio	Lower	Upper	
204	100		
206	32.9	25.9	38.9
141	62.3	48.6	73.0

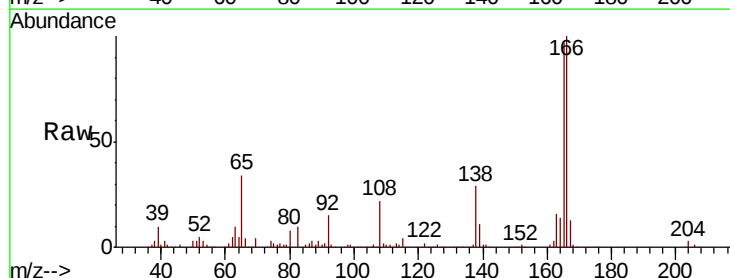


Abundance Ion 204.00 (203.70 to 204.70): E
 Ion 206.00 (205.70 to 206.70): E
 Ion 141.00 (140.70 to 141.70): E

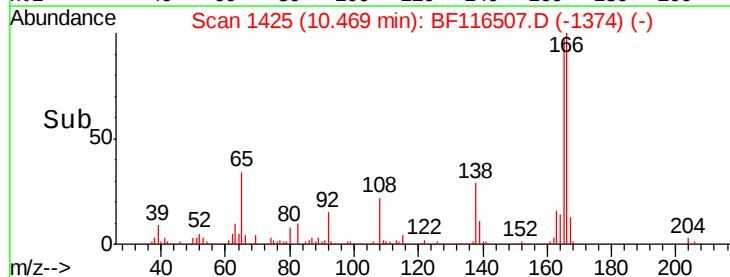
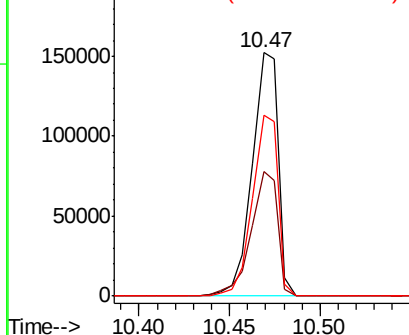


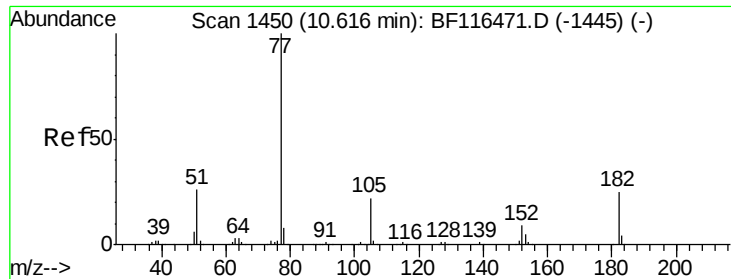
#62
 4-Nitroaniline
 Concen: 47.388 ng
 RT: 10.47 min Scan# 1425
 Delta R.T. -0.00 min
 Lab File: BF116507.D
 Acq: 24 Aug 2019 7:48

Tgt Ion:	138	Resp:	152317
Ion Ratio	Lower	Upper	
138	100		
92	51.1	34.9	74.9
108	74.1	57.7	97.7



Abundance Ion 138.00 (137.70 to 138.70): E
 Ion 92.00 (91.70 to 92.70): BF1
 Ion 108.00 (107.70 to 108.70): E

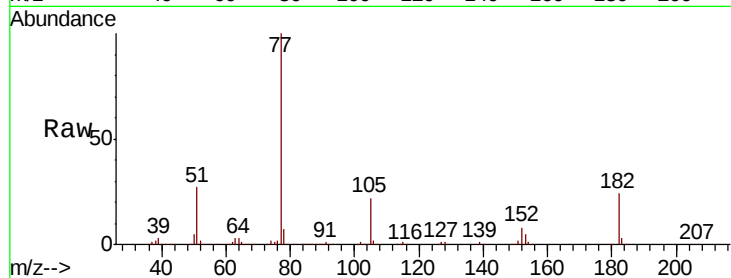




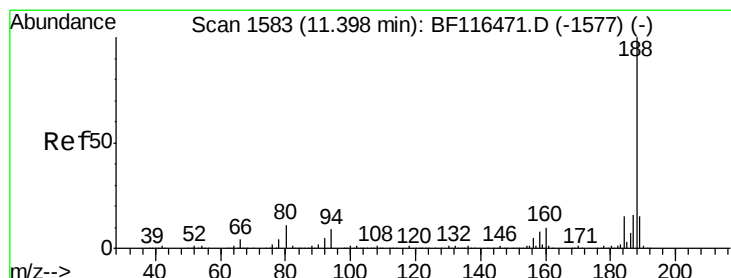
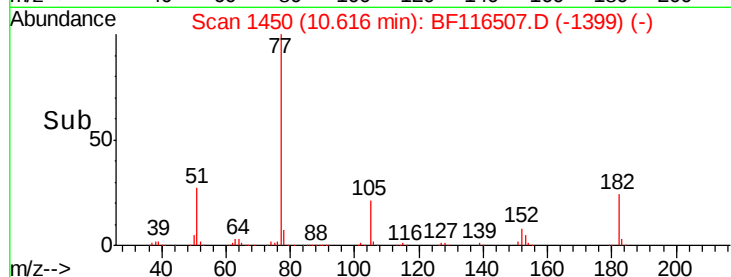
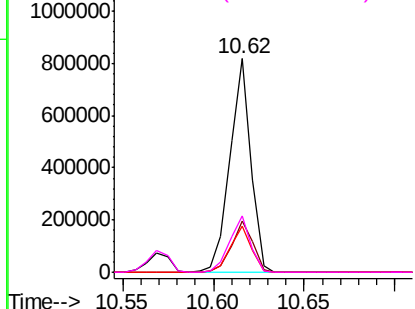
#63
Azobenzene
Concen: 48.328 ng
RT: 10.62 min Scan# 1450
Delta R.T. -0.00 min
Lab File: BF116507.D
Acq: 24 Aug 2019 7:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	77	Resp:	657869
Ion	Ratio	Lower	Upper
77	100		
182	23.9	5.4	45.4
105	21.6	1.6	41.6
51	26.6	6.2	46.2

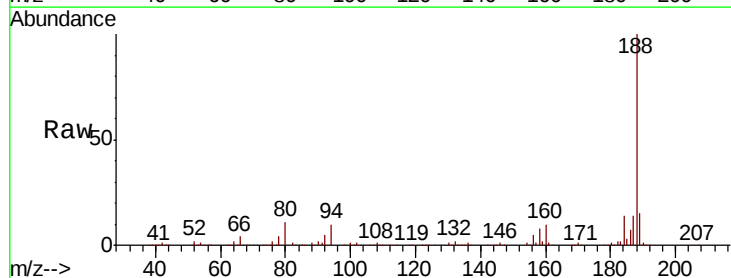


Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF1

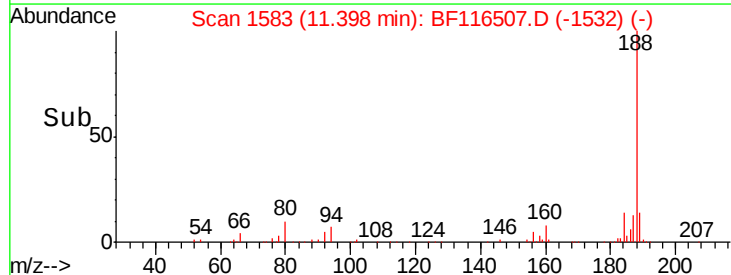
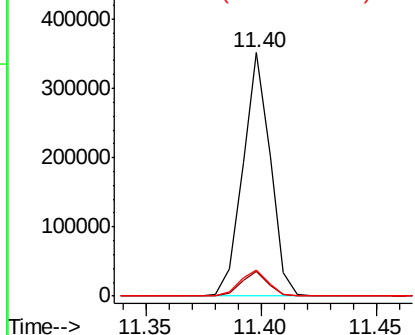


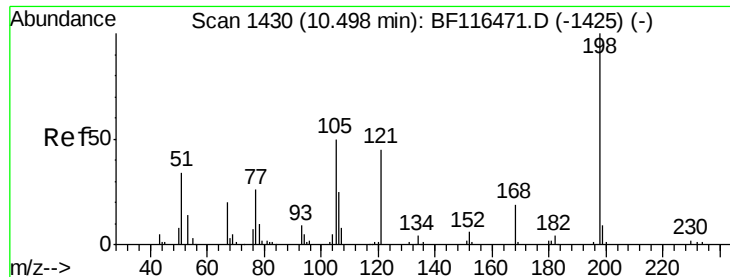
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.00 min
Lab File: BF116507.D
Acq: 24 Aug 2019 7:48

Tgt Ion:	188	Resp:	291123
Ion	Ratio	Lower	Upper
188	100		
94	10.0	7.4	11.2
80	10.6	8.6	12.8



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





#65

4,6-Dinitro-2-methylphenol

Concen: 11.142 ng

RT: 10.50 min Scan# 1430

Delta R.T. 0.00 min

Lab File: BF116507.D

Acq: 24 Aug 2019 7:48

Instrument :

BNA_F

ClientSampled :

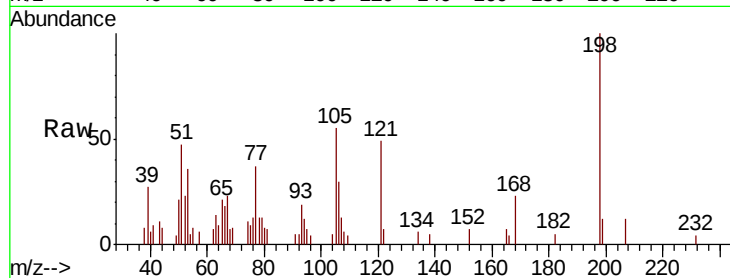
Tot Ion:198 Resp: 5782

Ion Ratio Lower Upper

198 100

51 46.6 30.4 70.4

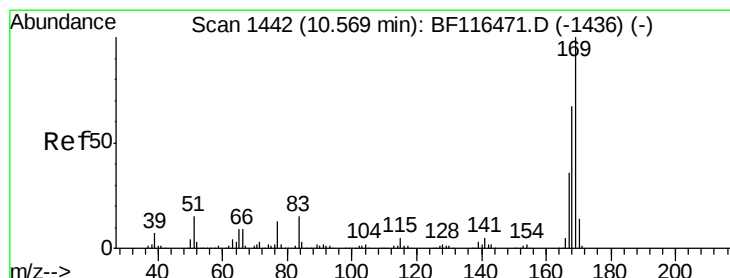
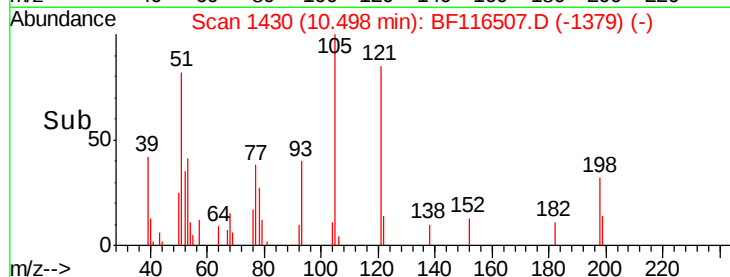
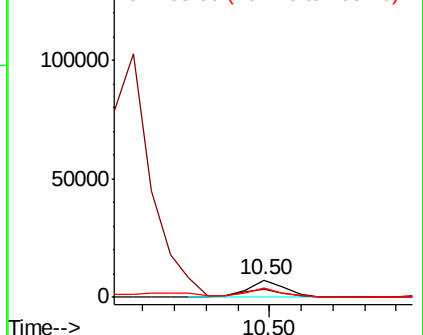
105 55.5 32.8 72.8



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 57.348 ng

RT: 10.57 min Scan# 1443

Delta R.T. 0.01 min

Lab File: BF116507.D

Acq: 24 Aug 2019 7:48

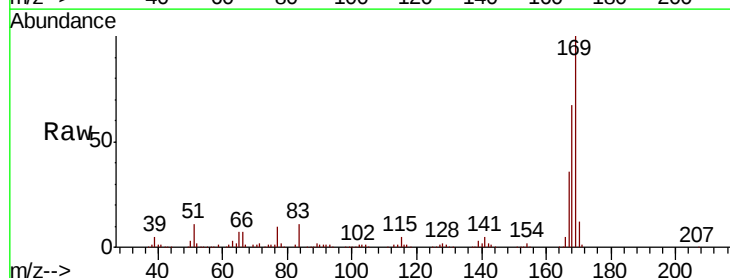
Tgt Ion:169 Resp: 540594

Ion Ratio Lower Upper

169 100

168 66.5 53.6 80.4

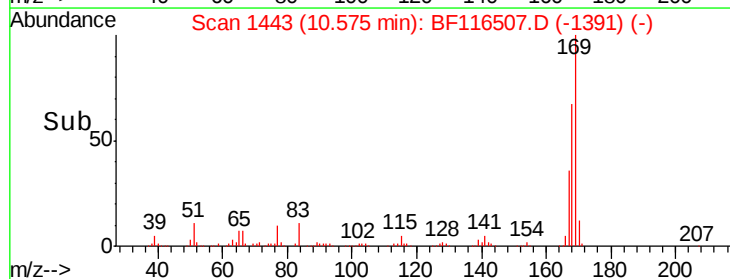
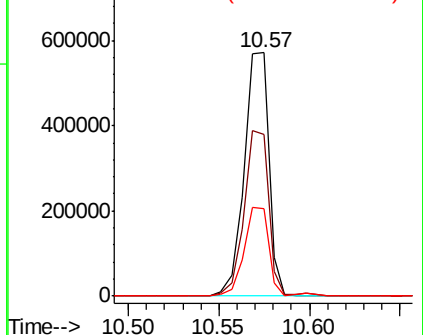
167 35.7 28.7 43.1

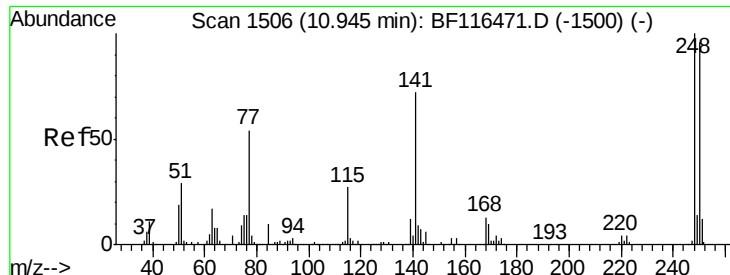


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

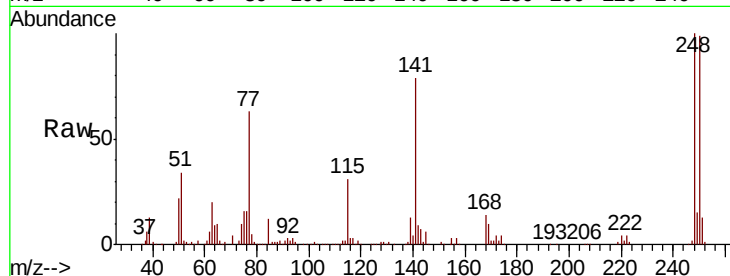




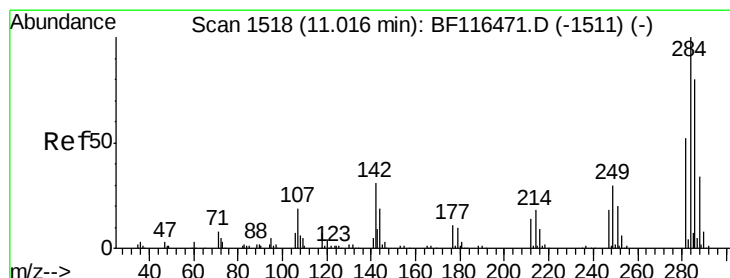
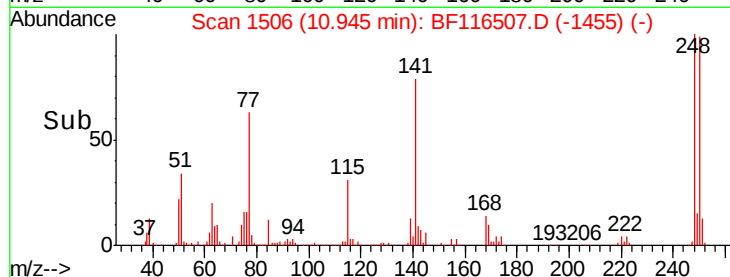
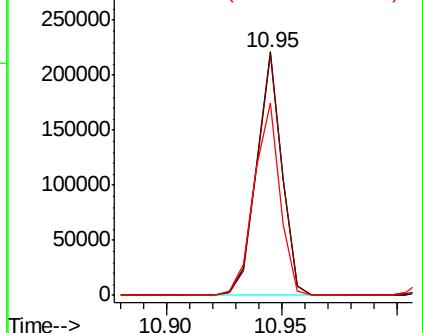
#67
4-Bromophenyl-phenylether
Concen: 55.621 ng
RT: 10.95 min Scan# 1506
Delta R.T. -0.00 min
Lab File: BF116507.D
Acq: 24 Aug 2019 7:48

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 169761
Ion Ratio Lower Upper
248 100
250 99.0 77.0 115.6
141 78.8 57.4 86.0

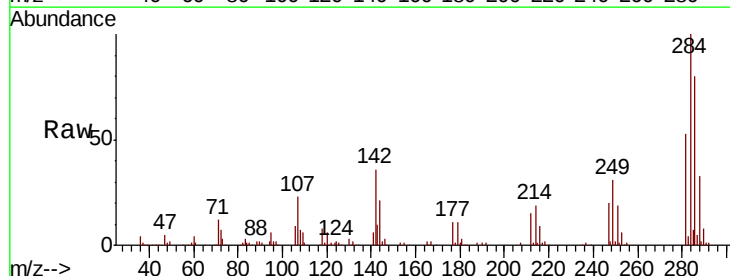


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

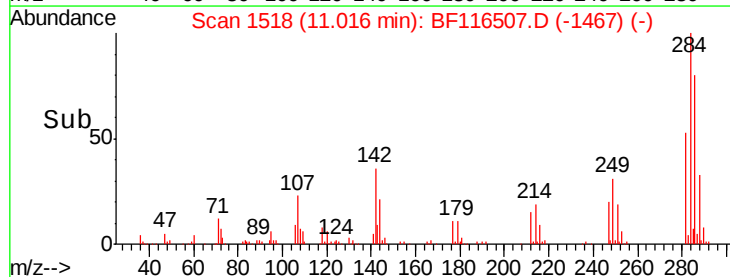
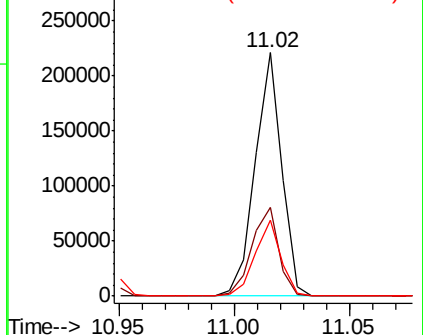


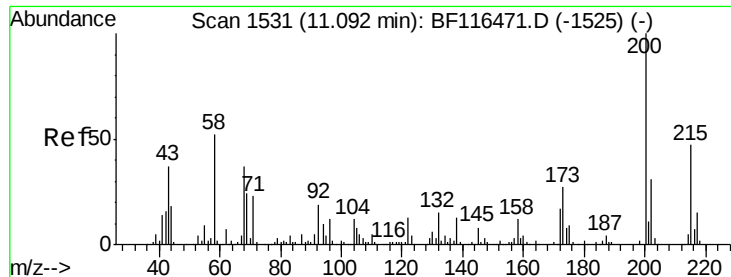
#68
Hexachlorobenzene
Concen: 52.638 ng
RT: 11.02 min Scan# 1518
Delta R.T. -0.00 min
Lab File: BF116507.D
Acq: 24 Aug 2019 7:48

Tgt Ion:284 Resp: 177691
Ion Ratio Lower Upper
284 100
142 36.5 24.6 36.8
249 31.0 24.1 36.1



Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

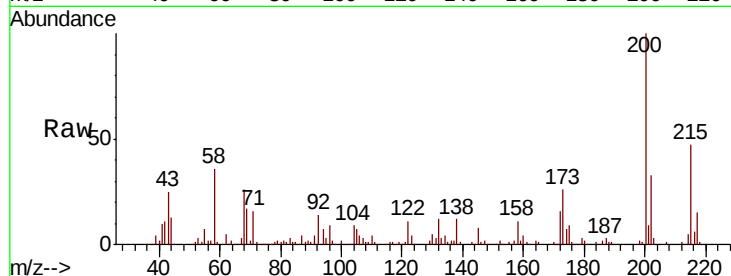




#69
Atrazine
Concen: 49.552 ng
RT: 11.10 min Scan# 1532
Delta R.T. 0.01 min
Lab File: BF116507.D
Acq: 24 Aug 2019 7:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
200	100		
173	26.1	7.3	47.3
215	47.0	26.7	66.7

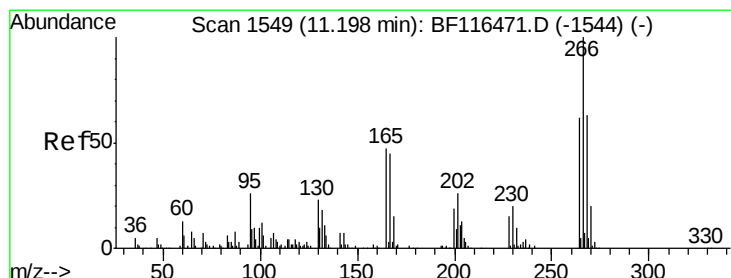
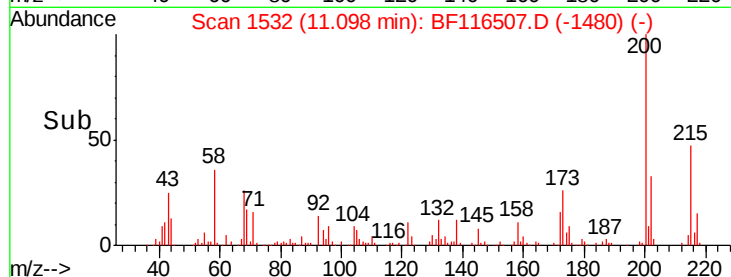
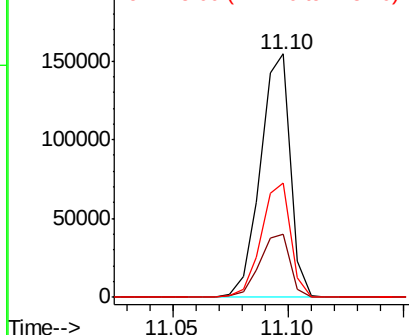


Abundance

Ion 200.00 (199.70 to 200.70): E

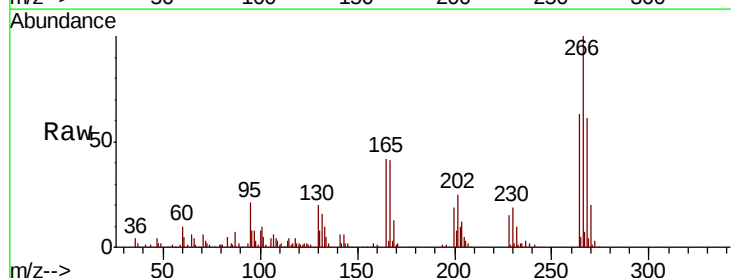
Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70
Pentachlorophenol
Concen: 56.282 ng
RT: 11.20 min Scan# 1550
Delta R.T. 0.01 min
Lab File: BF116507.D
Acq: 24 Aug 2019 7:48

Tgt Ion	Ratio	Lower	Upper
266	100		
268	61.0	50.7	76.1
264	63.2	50.0	75.0

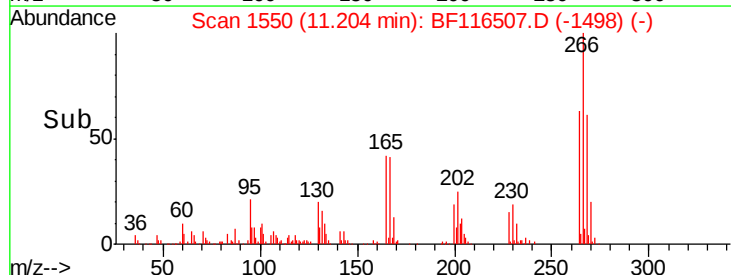
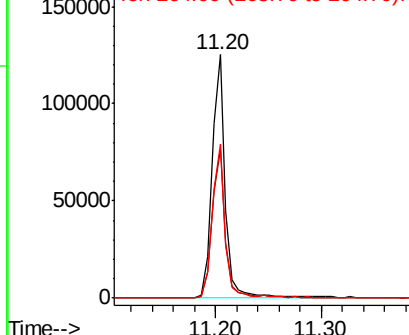


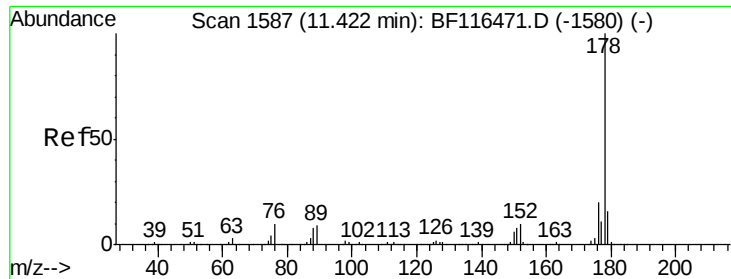
Abundance

Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

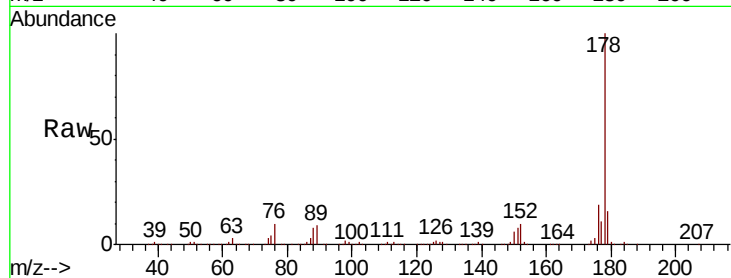




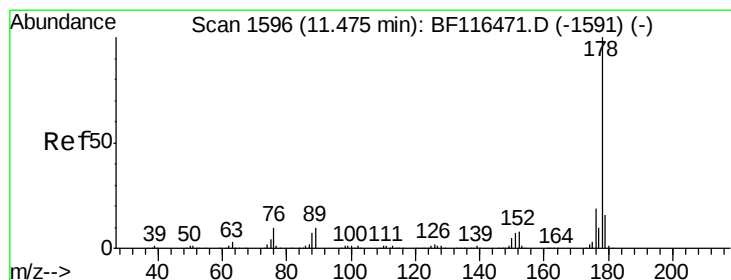
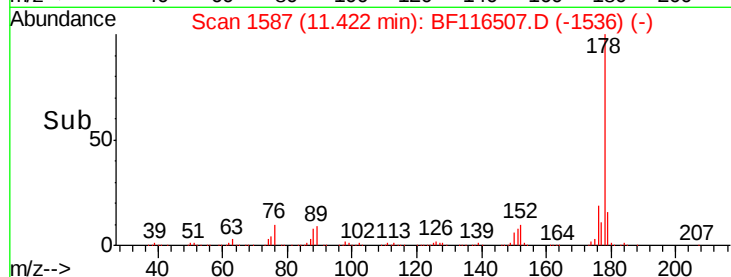
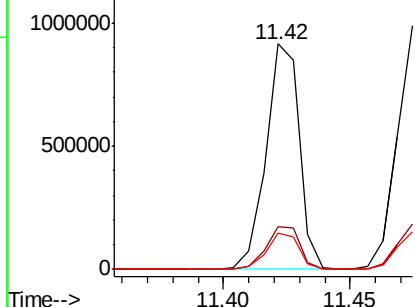
#71
Phenanthrene
Concen: 53.153 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.00 min
Lab File: BF116507.D
Acq: 24 Aug 2019 7:48

Instrument :
BNA_F
ClientSampled :

Tot Ion:178 Resp: 842965
Ion Ratio Lower Upper
178 100
176 19.2 15.8 23.6
179 15.9 12.8 19.2

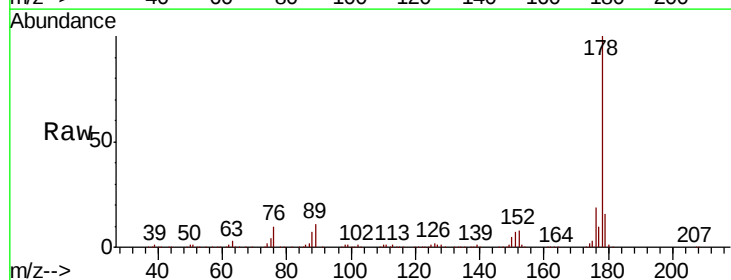


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

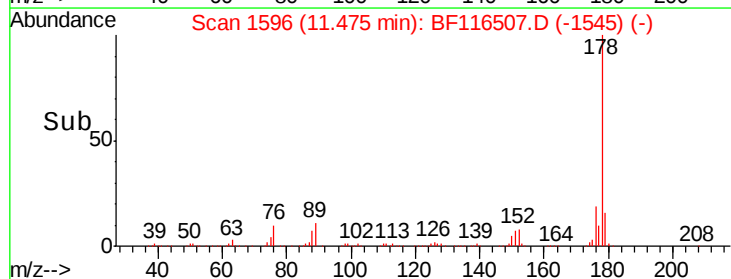
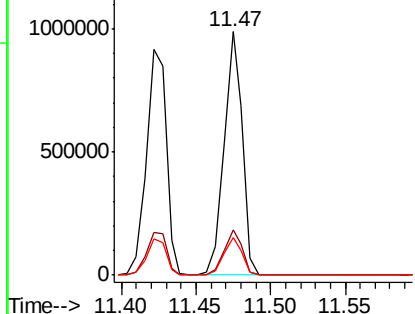


#72
Anthracene
Concen: 53.573 ng
RT: 11.47 min Scan# 1596
Delta R.T. -0.00 min
Lab File: BF116507.D
Acq: 24 Aug 2019 7:48

Tgt Ion:178 Resp: 853751
Ion Ratio Lower Upper
178 100
176 18.6 15.2 22.8
179 15.5 12.5 18.7



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

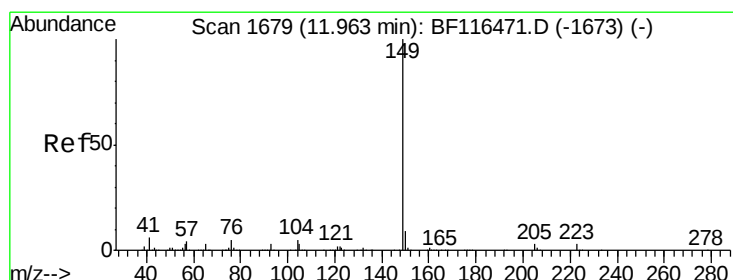
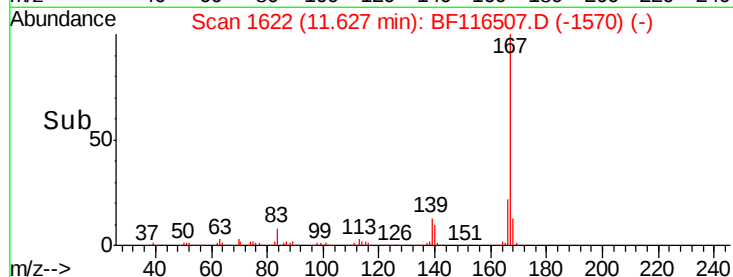
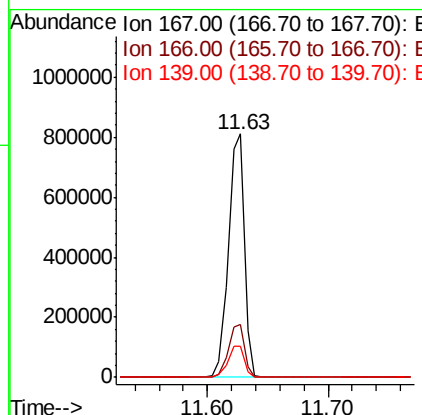
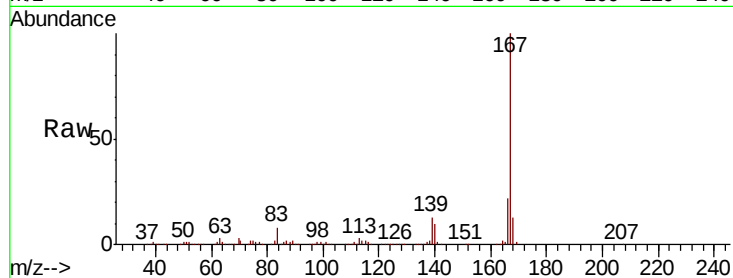




#73
 Carbazole
 Concen: 51.765 ng
 RT: 11.63 min Scan# 1622
 Delta R.T. 0.01 min
 Lab File: BF116507.D
 Acq: 24 Aug 2019 7:48

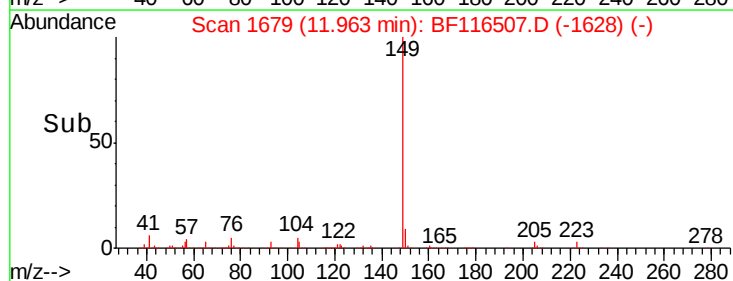
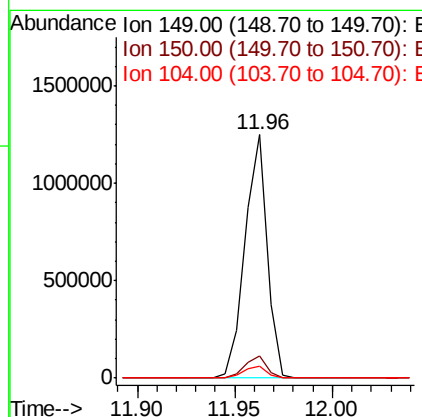
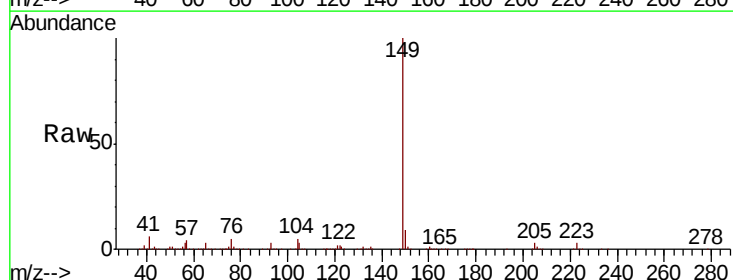
Instrument :
 BNA_F
 ClientSampleId :

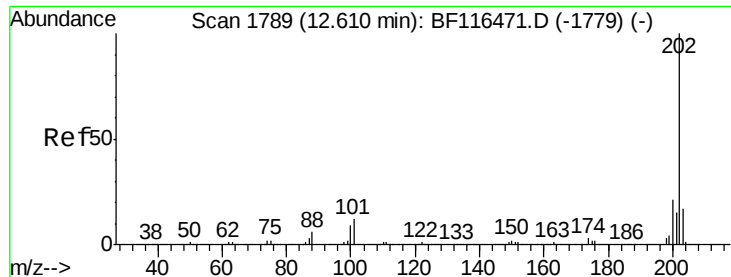
Tot Ion:167 Resp: 740483
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.8 26.6
 139 13.0 10.9 16.3



#74
 Di-n-butylphthalate
 Concen: 55.593 ng
 RT: 11.96 min Scan# 1679
 Delta R.T. -0.00 min
 Lab File: BF116507.D
 Acq: 24 Aug 2019 7:48

Tgt Ion:149 Resp: 985436
 Ion Ratio Lower Upper
 149 100
 150 9.3 7.5 11.3
 104 5.1 4.1 6.1

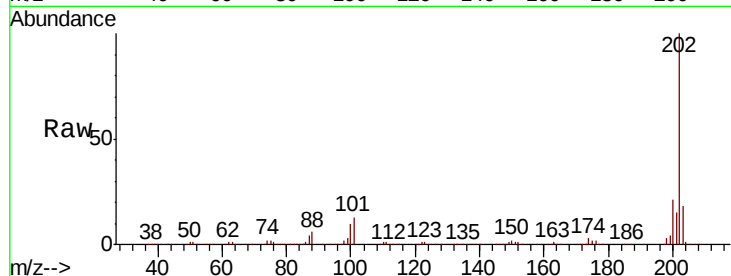




#75
 Fluoranthene
 Concen: 51.782 ng
 RT: 12.61 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: BF116507.D
 Acq: 24 Aug 2019 7:48

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	13.1	0.0	31.5
203	18.3	0.0	37.5

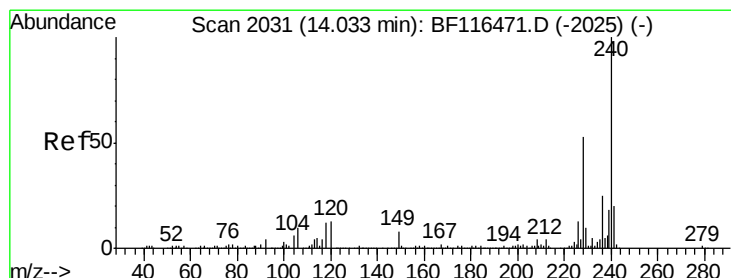
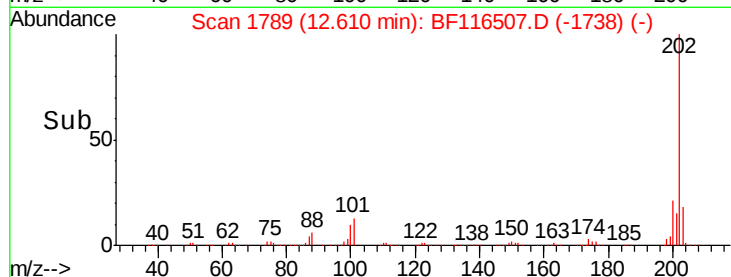
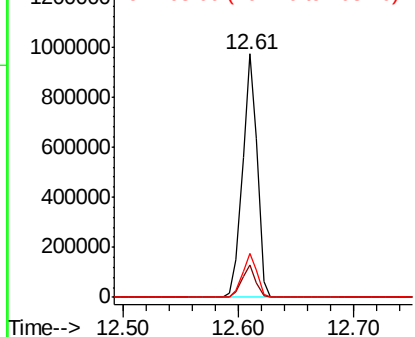


Abundance

Ion 202.00 (201.70 to 202.70): E

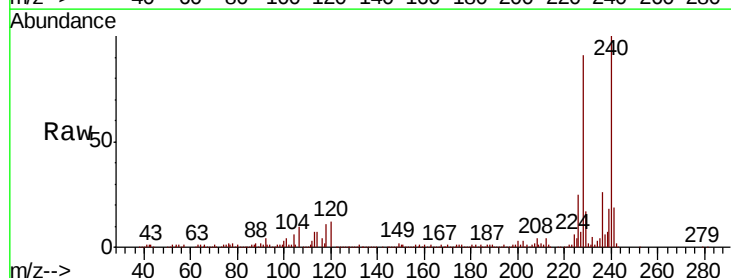
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.03 min Scan# 2031
 Delta R.T. -0.00 min
 Lab File: BF116507.D
 Acq: 24 Aug 2019 7:48

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.3	10.5	15.7
236	26.4	20.2	30.2

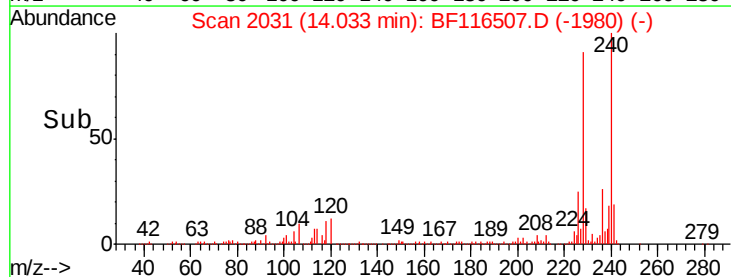
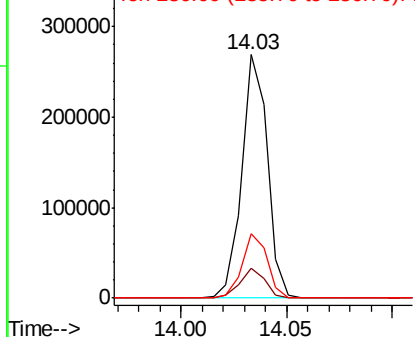


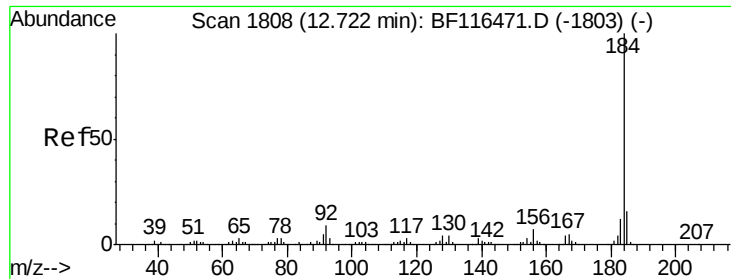
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 31.145 ng

RT: 12.72 min Scan# 1808

Delta R.T. -0.00 min

Lab File: BF116507.D

Acq: 24 Aug 2019 7:48

Instrument :

BNA_F

ClientSampleId :

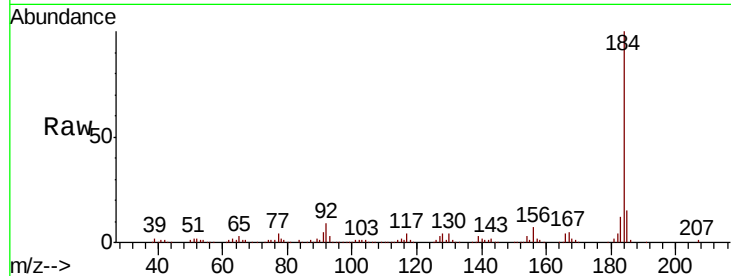
Tot Ion:184 Resp: 282484

Ion Ratio Lower Upper

184 100

185 14.9 13.0 19.4

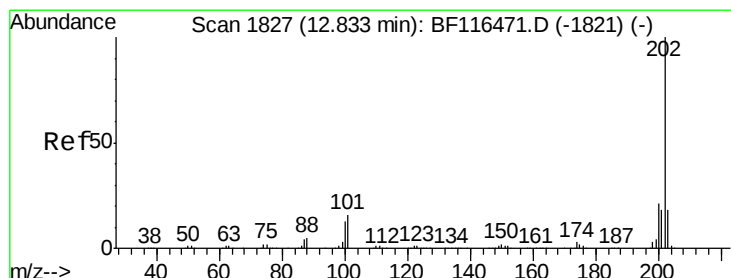
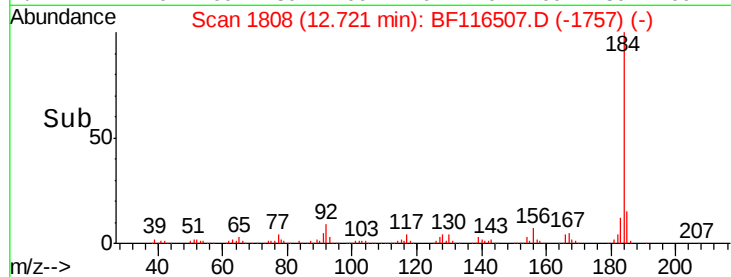
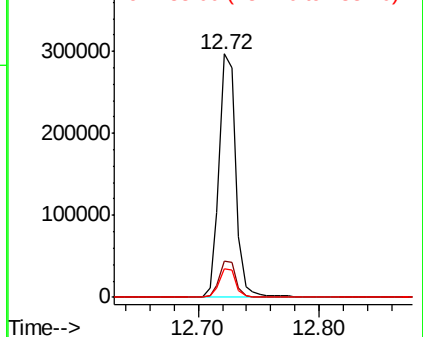
183 11.6 9.8 14.6



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 47.806 ng

RT: 12.84 min Scan# 1828

Delta R.T. 0.01 min

Lab File: BF116507.D

Acq: 24 Aug 2019 7:48

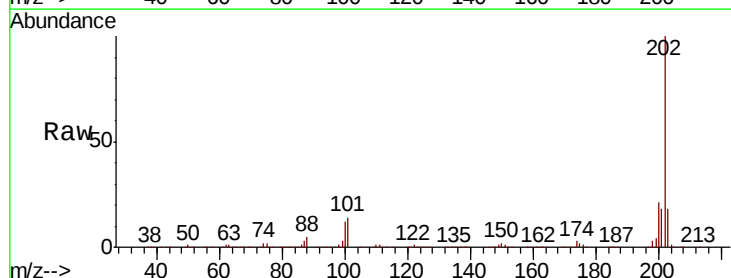
Tgt Ion:202 Resp: 861851

Ion Ratio Lower Upper

202 100

200 21.3 17.0 25.4

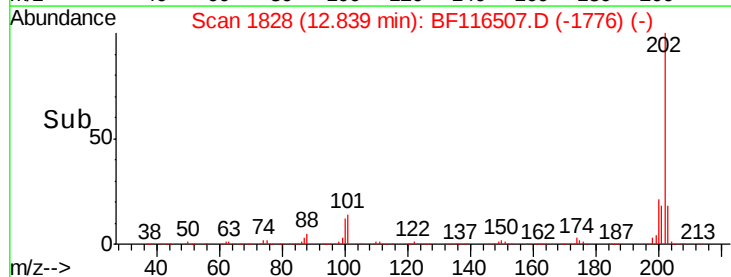
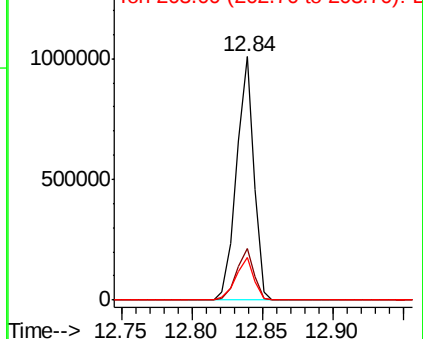
203 17.7 14.2 21.4

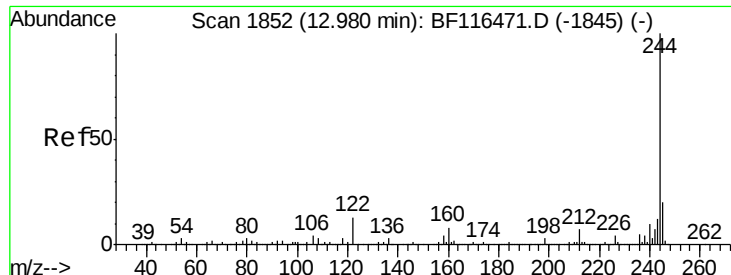


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 85.287 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.00 min

Lab File: BF116507.D

Acq: 24 Aug 2019 7:48

Instrument :

BNA_F

ClientSampleId :

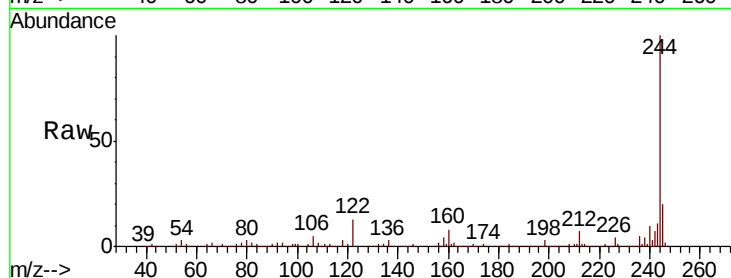
Tot Ion:244 Resp: 1029319

Ion Ratio Lower Upper

244 100

212 7.2 5.7 8.5

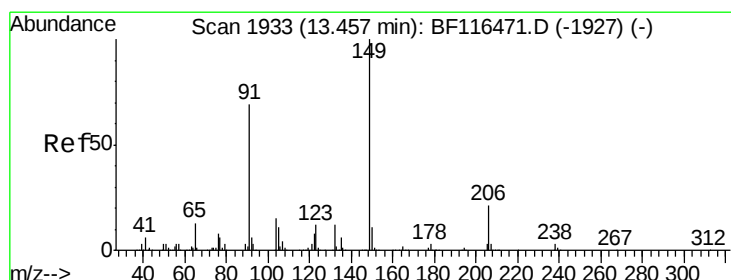
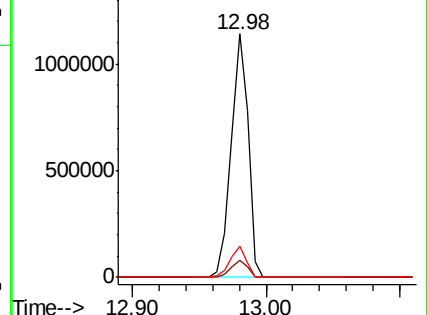
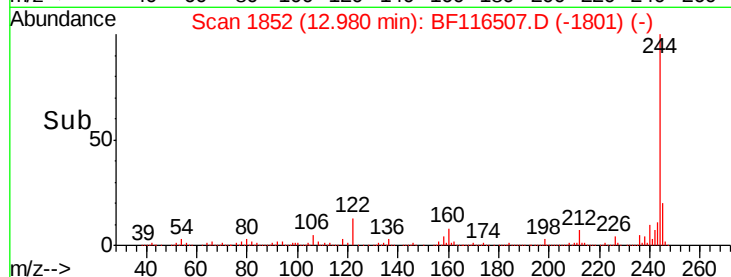
122 12.8 10.2 15.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 49.614 ng

RT: 13.46 min Scan# 1933

Delta R.T. -0.00 min

Lab File: BF116507.D

Acq: 24 Aug 2019 7:48

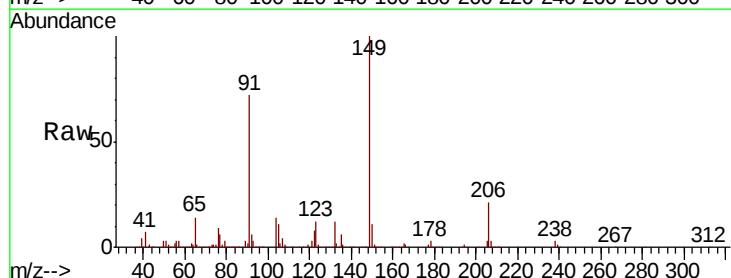
Tgt Ion:149 Resp: 386288

Ion Ratio Lower Upper

149 100

91 72.1 54.9 82.3

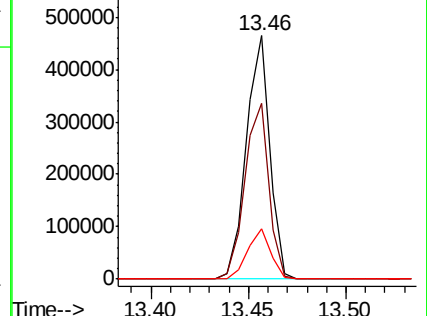
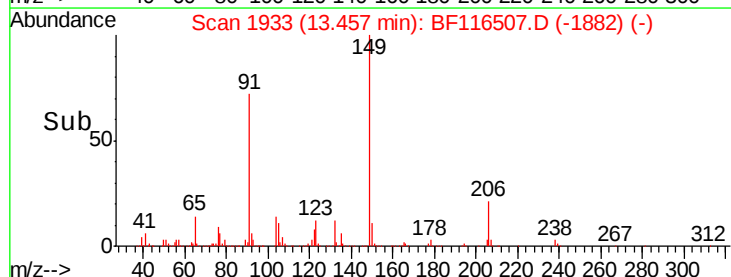
206 20.8 16.6 24.8

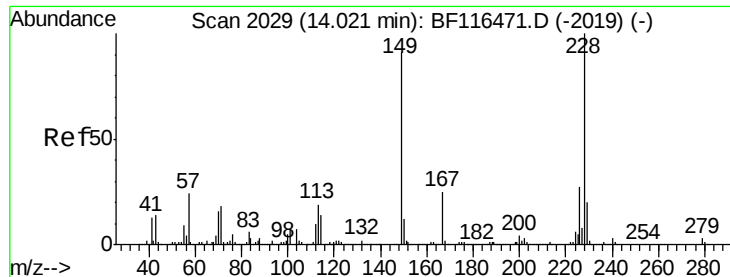


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 52.125 ng

RT: 14.03 min Scan# 2030

Delta R.T. 0.01 min

Lab File: BF116507.D

Acq: 24 Aug 2019 7:48

Instrument :

BNA_F

ClientSampleId :

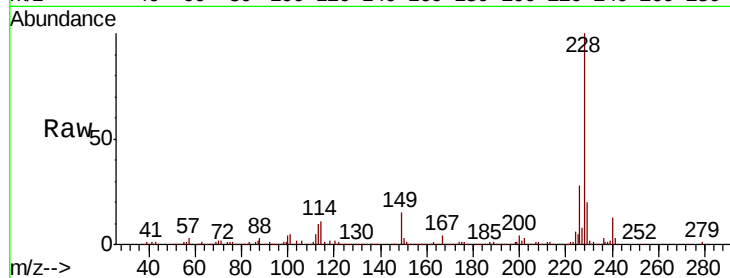
Tot Ion:228 Resp: 761055

Ion Ratio Lower Upper

228 100

226 27.8 21.8 32.6

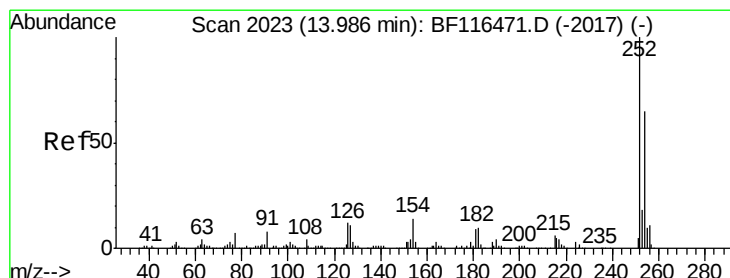
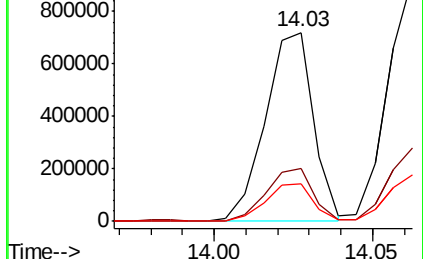
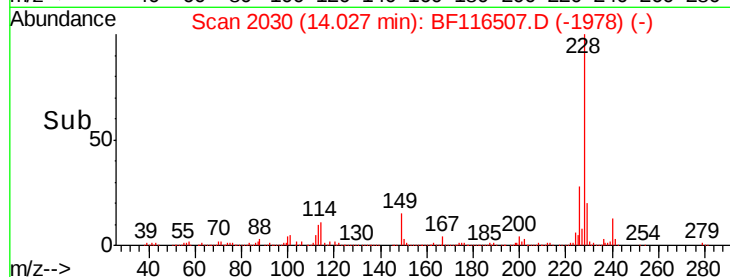
229 19.8 15.9 23.9



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 45.321 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF116507.D

Acq: 24 Aug 2019 7:48

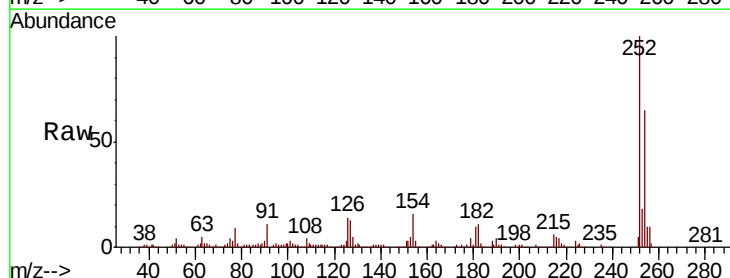
Tgt Ion:252 Resp: 235811

Ion Ratio Lower Upper

252 100

254 65.0 51.9 77.9

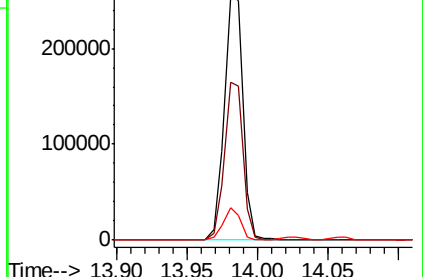
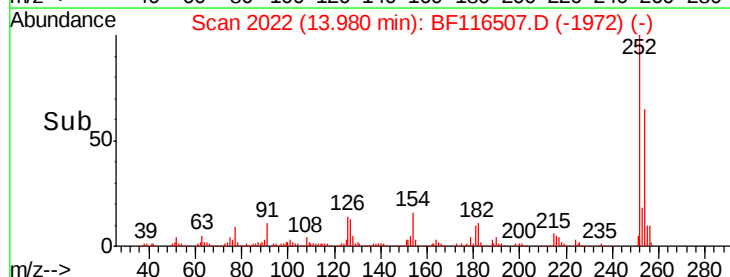
126 13.5 9.4 14.0

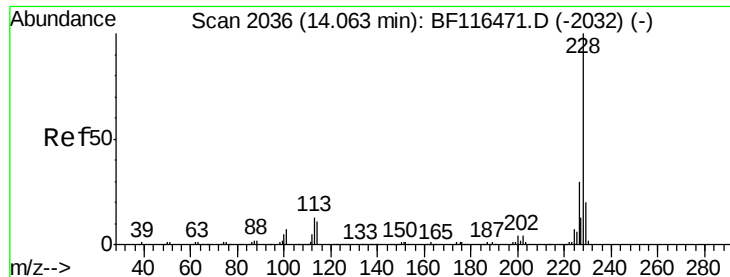


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E

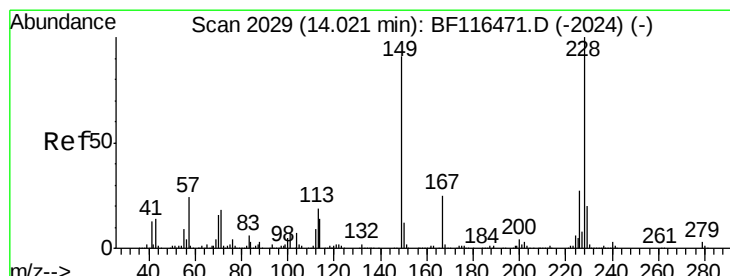
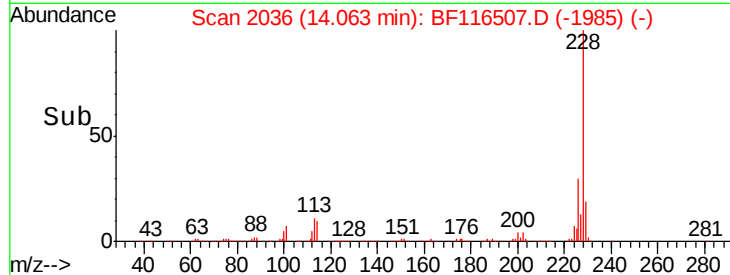
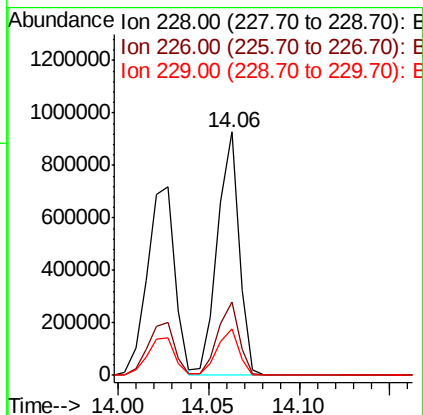
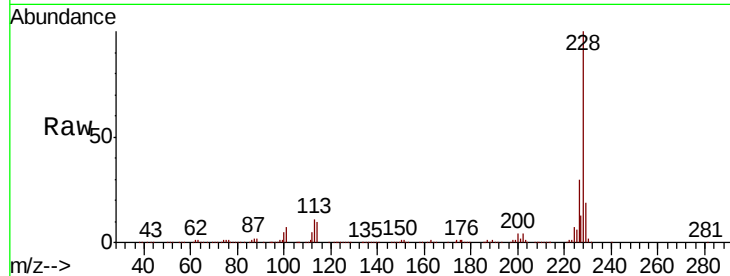




#83
 Chrvsene
 Concen: 52.028 ng
 RT: 14.06 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: BF116507.D
 Acq: 24 Aug 2019 7:48

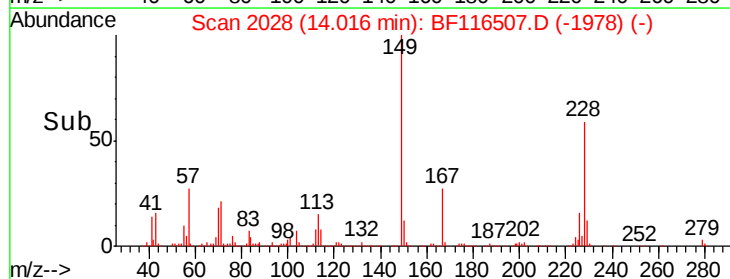
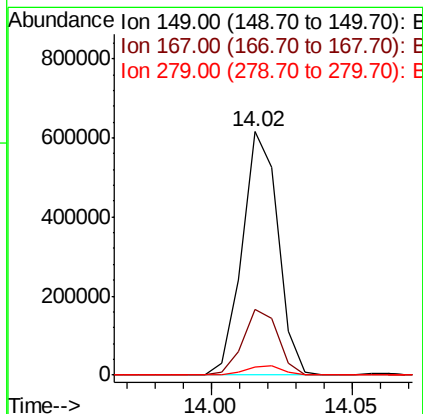
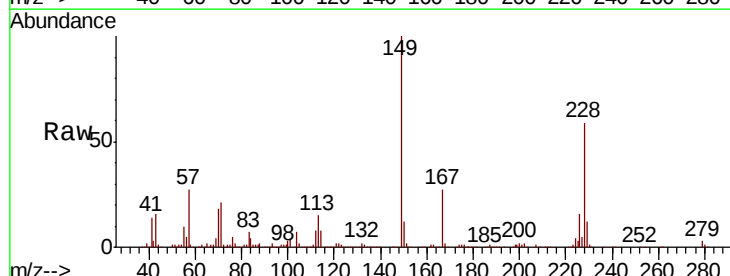
Instrument :
 BNA_F
 ClientSampleId :

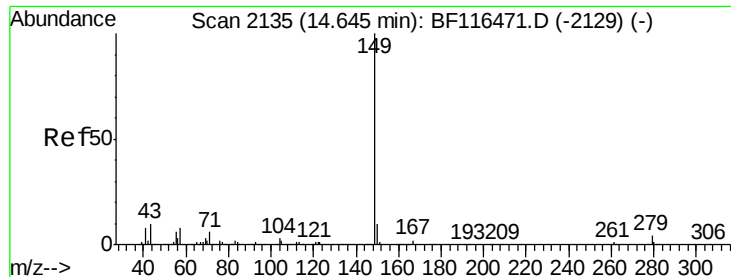
Tot Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.2	36.2
229	19.3	15.8	23.6



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 51.933 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. -0.01 min
 Lab File: BF116507.D
 Acq: 24 Aug 2019 7:48

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.0	21.8	32.6
279	3.3	3.0	4.4





#85

Di-n-octyl phthalate

Concen: 54.578 ng

RT: 14.63 min Scan# 2132

Delta R.T. -0.02 min

Lab File: BF116507.D

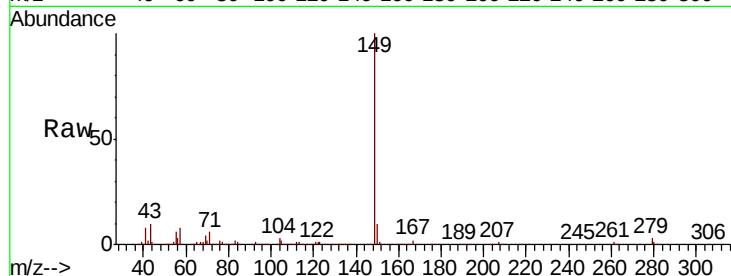
Acq: 24 Aug 2019 7:48

Instrument :

BNA_F

ClientSampleId :

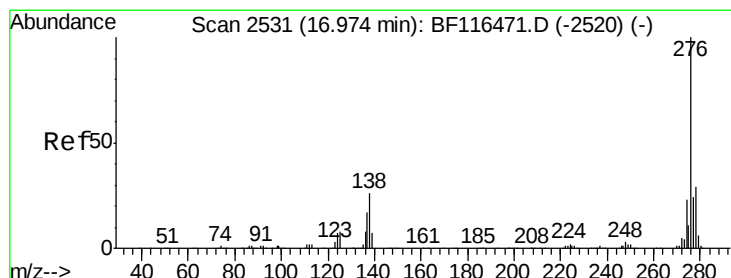
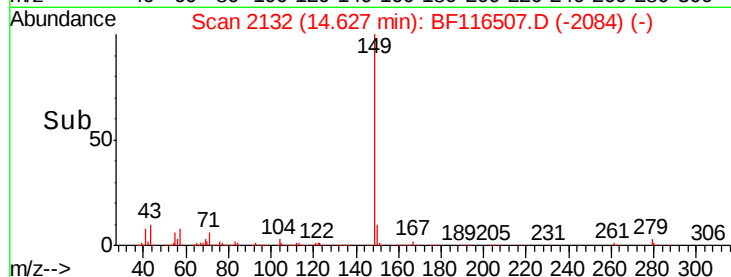
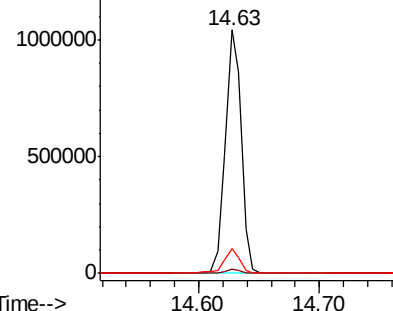
Tot Ion:	149	Resp:	961968
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	9.7	7.8	11.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 53.810 ng

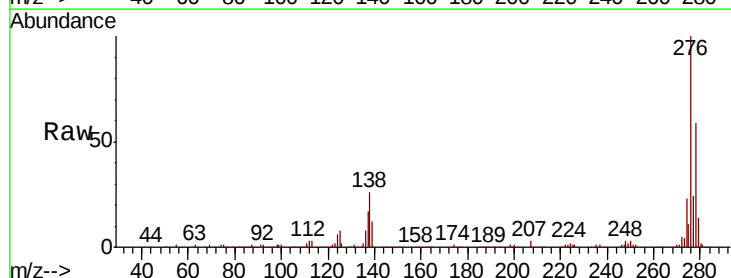
RT: 16.97 min Scan# 2531

Delta R.T. -0.00 min

Lab File: BF116507.D

Acq: 24 Aug 2019 7:48

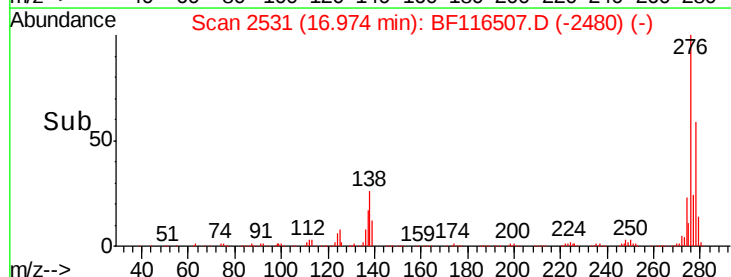
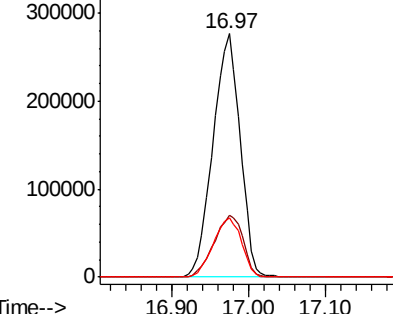
Tgt Ion:	276	Resp:	682134
Ion	Ratio	Lower	Upper
276	100		
138	27.3	22.9	34.3
277	25.2	19.9	29.9

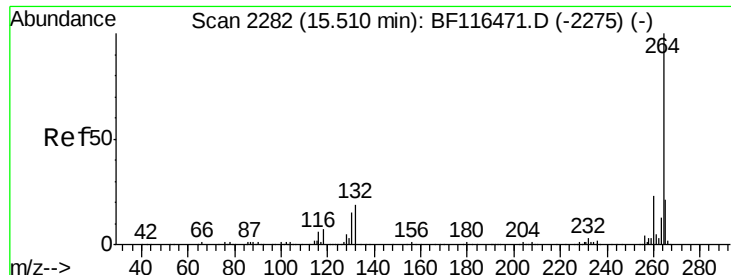


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.50 min Scan# 2280

Delta R.T. -0.01 min

Lab File: BF116507.D

Acq: 24 Aug 2019 7:48

Instrument :

BNA_F

ClientSampleId :

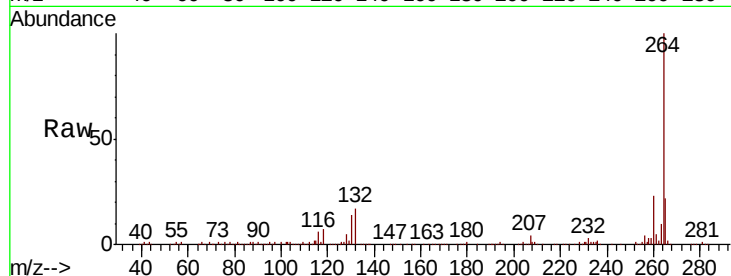
Tot Ion:264 Resp: 241610

Ion Ratio Lower Upper

264 100

260 22.6 18.8 28.2

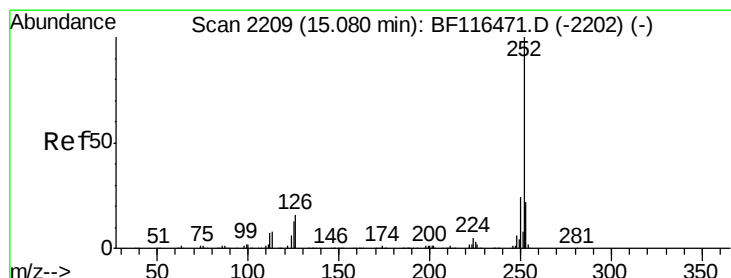
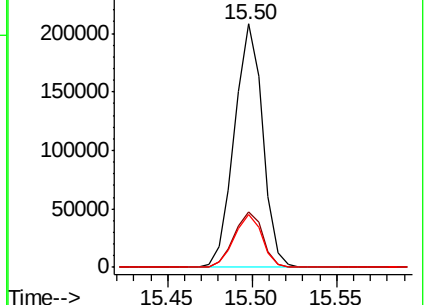
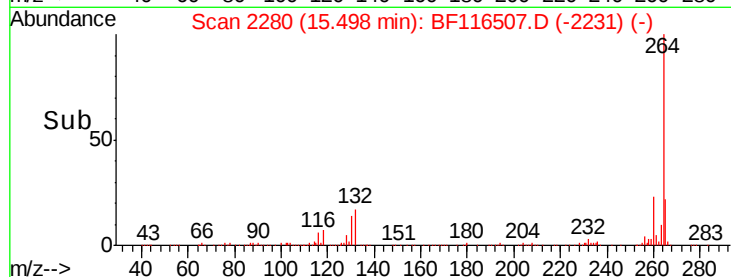
265 21.7 17.1 25.7



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 51.052 ng

RT: 15.07 min Scan# 2208

Delta R.T. -0.01 min

Lab File: BF116507.D

Acq: 24 Aug 2019 7:48

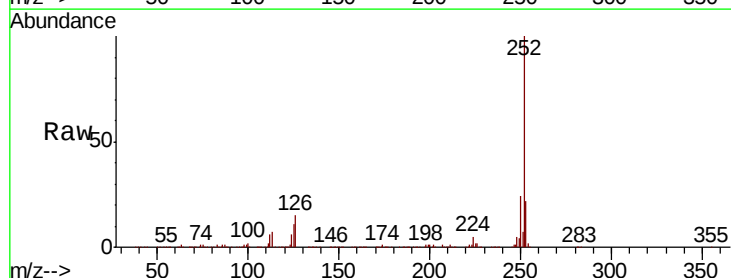
Tgt Ion:252 Resp: 761979

Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

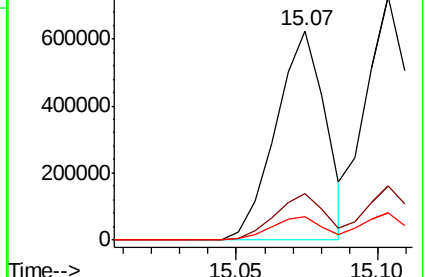
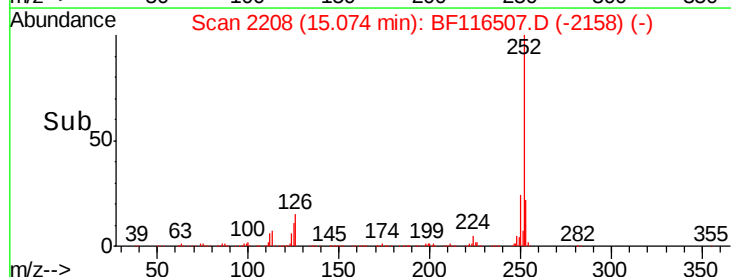
125 11.1 10.1 15.1

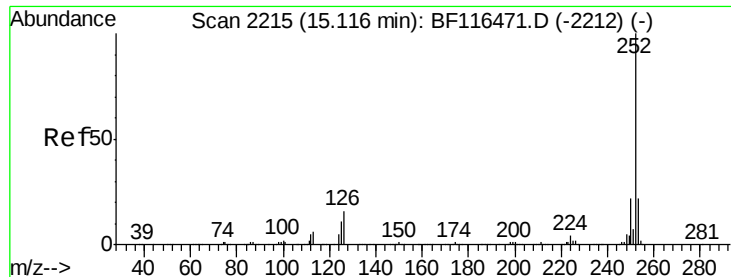


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

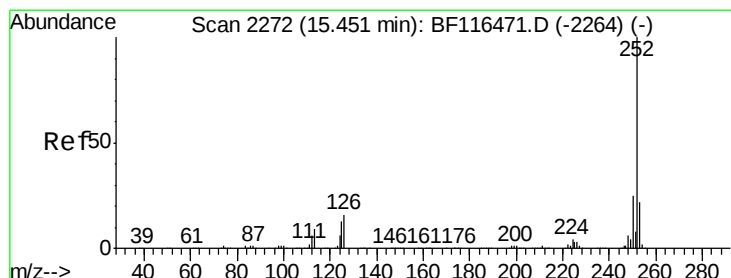
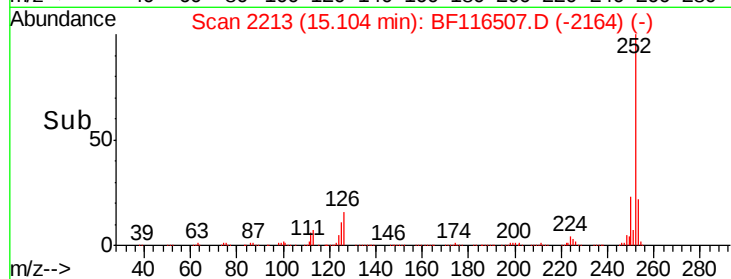
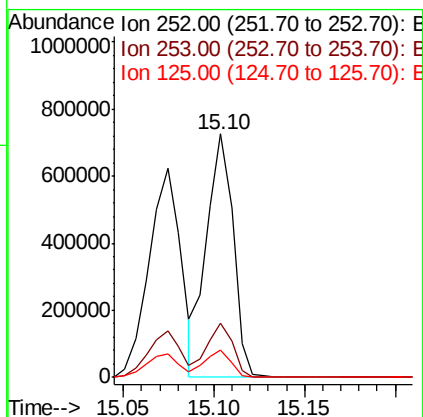
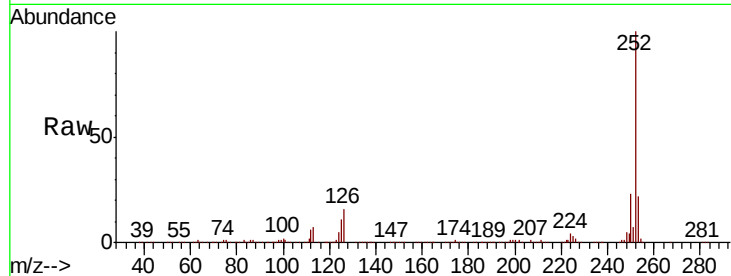




#89
Benzo(k)fluoranthene
Concen: 54.838 ng
RT: 15.10 min Scan# 2213
Delta R.T. -0.01 min
Lab File: BF116507.D
Acq: 24 Aug 2019 7:48

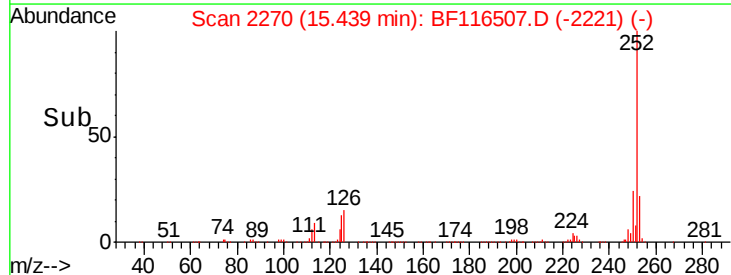
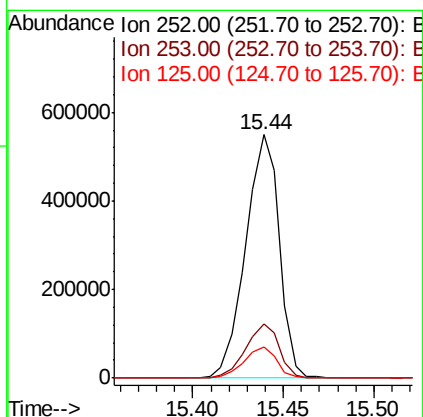
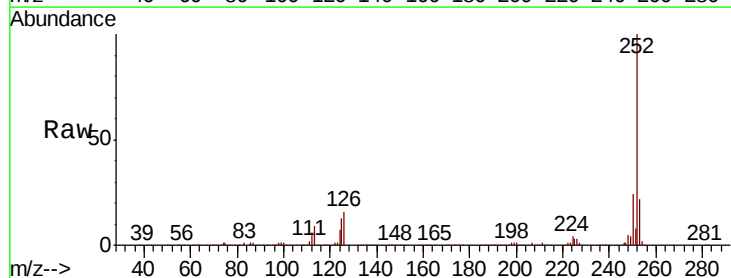
Instrument :
BNA_F
ClientSampleId :

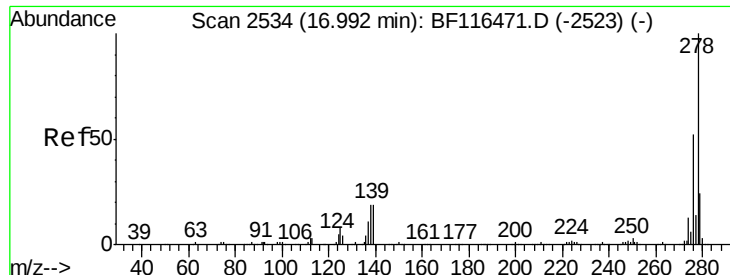
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.2
125	11.5	9.1	13.7



#90
Benzo(a)pyrene
Concen: 53.794 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.01 min
Lab File: BF116507.D
Acq: 24 Aug 2019 7:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.2	25.8
125	12.6	10.2	15.4





#91

Dibenzo(a,h)anthracene

Concen: 53.142 ng

RT: 16.99 min Scan# 2534

Delta R.T. -0.00 min

Lab File: BF116507.D

Acq: 24 Aug 2019 7:48

Instrument :

BNA_F

ClientSampleId :

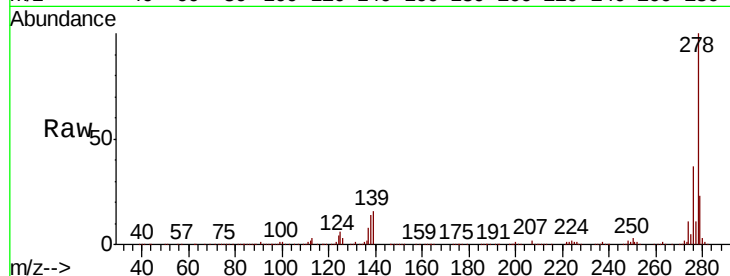
Tot Ion:278 Resp: 576028

Ion Ratio Lower Upper

278 100

139 16.0 15.3 22.9

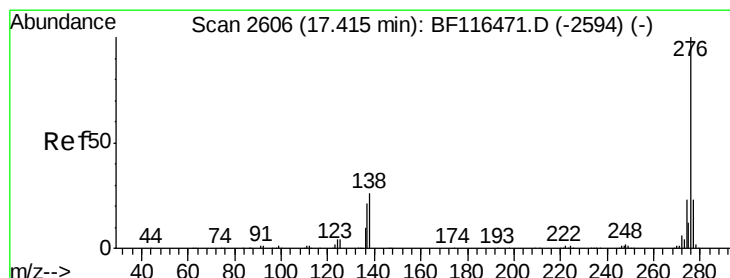
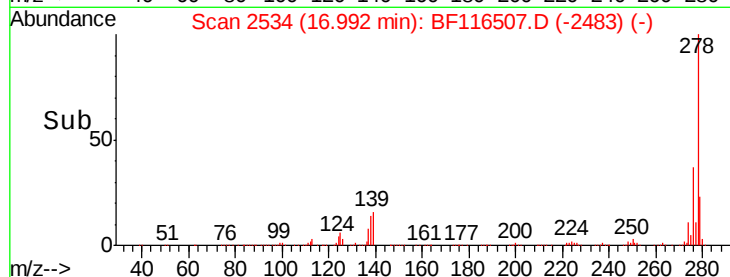
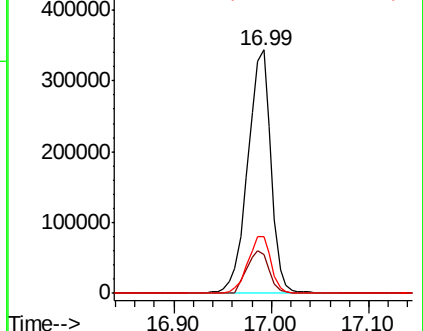
279 23.1 19.0 28.6



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 52.221 ng

RT: 17.42 min Scan# 2606

Delta R.T. -0.00 min

Lab File: BF116507.D

Acq: 24 Aug 2019 7:48

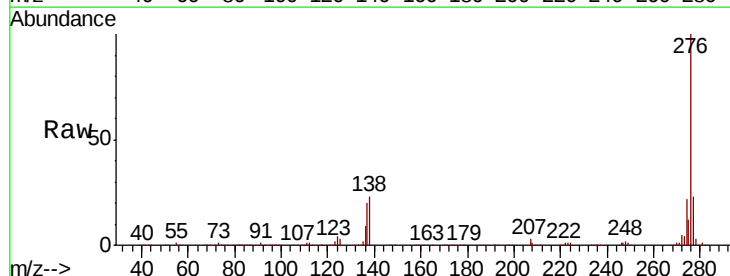
Tgt Ion:276 Resp: 539641

Ion Ratio Lower Upper

276 100

277 22.9 18.7 28.1

138 22.7 20.8 31.2



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

