

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082019\
 Data File : BF116447.D
 Acq On : 20 Aug 2019 23:07
 Operator : HP/JU
 Sample : K4404-06MSD
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 21 02:20:30 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 19 06:03:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	85314	20.00	ng	-0.01
21) Naphthalene-d8	8.08	136	330566	20.00	ng	-0.02
39) Acenaphthene-d10	9.83	164	181910	20.00	ng	-0.02
64) Phenanthrene-d10	11.32	188	339701	20.00	ng	-0.02
76) Chrysene-d12	13.97	240	294616	20.00	ng	-0.01
87) Perylene-d12	15.42	264	304507	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	721313	141.54	ng	0.00
7) Phenol-d6	6.46	99	852725	132.62	ng	0.00
23) Nitrobenzene-d5	7.37	82	618670	108.03	ng	-0.01
42) 2,4,6-Tribromophenol	10.63	330	278861	158.11	ng	-0.01
45) 2-Fluorobiphenyl	9.16	172	1090232	112.26	ng	-0.01
79) Terphenyl-d14	12.90	244	1408756	100.76	ng	-0.01

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.62	88	101986	39.613	ng	99
3) Pyridine	3.40	79	179647	24.979	ng	97
4) n-Nitrosodimethylamine	3.29	42	115673	40.756	ng	99
6) Aniline	6.49	93	93620	10.167	ng	# 48
8) 2-Chlorophenol	6.60	128	284968	50.567	ng	95
9) Benzaldehyde	6.37	77	89755	20.231	ng	98
10) Phenol	6.47	94	307334	40.590	ng	81
11) bis(2-Chloroethyl)ether	6.54	93	280041	50.305	ng	98
12) 1,3-Dichlorobenzene	6.75	146	299024	45.913	ng	99
13) 1,4-Dichlorobenzene	6.82	146	314662	48.253	ng	96
14) 1,2-Dichlorobenzene	6.97	146	288474	48.043	ng	99
15) Benzyl Alcohol	6.96	79	220621	45.213	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.08	45	360316	47.453	ng	# 51
17) 2-Methylphenol	7.07	107	234520	49.147	ng	# 88
18) Hexachloroethane	7.31	117	110449	46.003	ng	95
19) n-Nitroso-di-n-propylamine	7.22	70	210288	52.778	ng	98
20) 3+4-Methylphenols	7.24	107	316401	56.032	ng	# 61
22) Acetophenone	7.22	105	413155	56.989	ng	# 93
24) Nitrobenzene	7.39	77	326648	52.825	ng	99
25) Isophorone	7.63	82	583604	53.295	ng	99
26) 2-Nitrophenol	7.71	139	155308	53.282	ng	96
27) 2,4-Dimethylphenol	7.75	122	262613	59.885	ng	98
28) bis(2-Chloroethoxy)methane	7.83	93	354892	52.288	ng	99
29) 2,4-Dichlorophenol	7.96	162	252132	54.453	ng	99
30) 1,2,4-Trichlorobenzene	8.03	180	263722	49.965	ng	100
31) Naphthalene	8.10	128	848875	54.570	ng	99
32) Benzoic acid	7.92	122	125730	40.666	ng	97
33) 4-Chloroaniline	8.19	127	66244	9.531	ng	100
34) Hexachlorobutadiene	8.22	225	147659	48.570	ng	99
35) Caprolactam	8.54	113	34186	22.828	ng	95
36) 4-Chloro-3-methylphenol	8.66	107	267400	55.512	ng	99
37) 2-Methylnaphthalene	8.80	142	566893	55.335	ng	98
38) 1-Methylnaphthalene	8.89	142	529100	54.592	ng	98
40) 1,2,4,5-Tetrachlorobenzene	8.96	216	258935	53.244	ng	99

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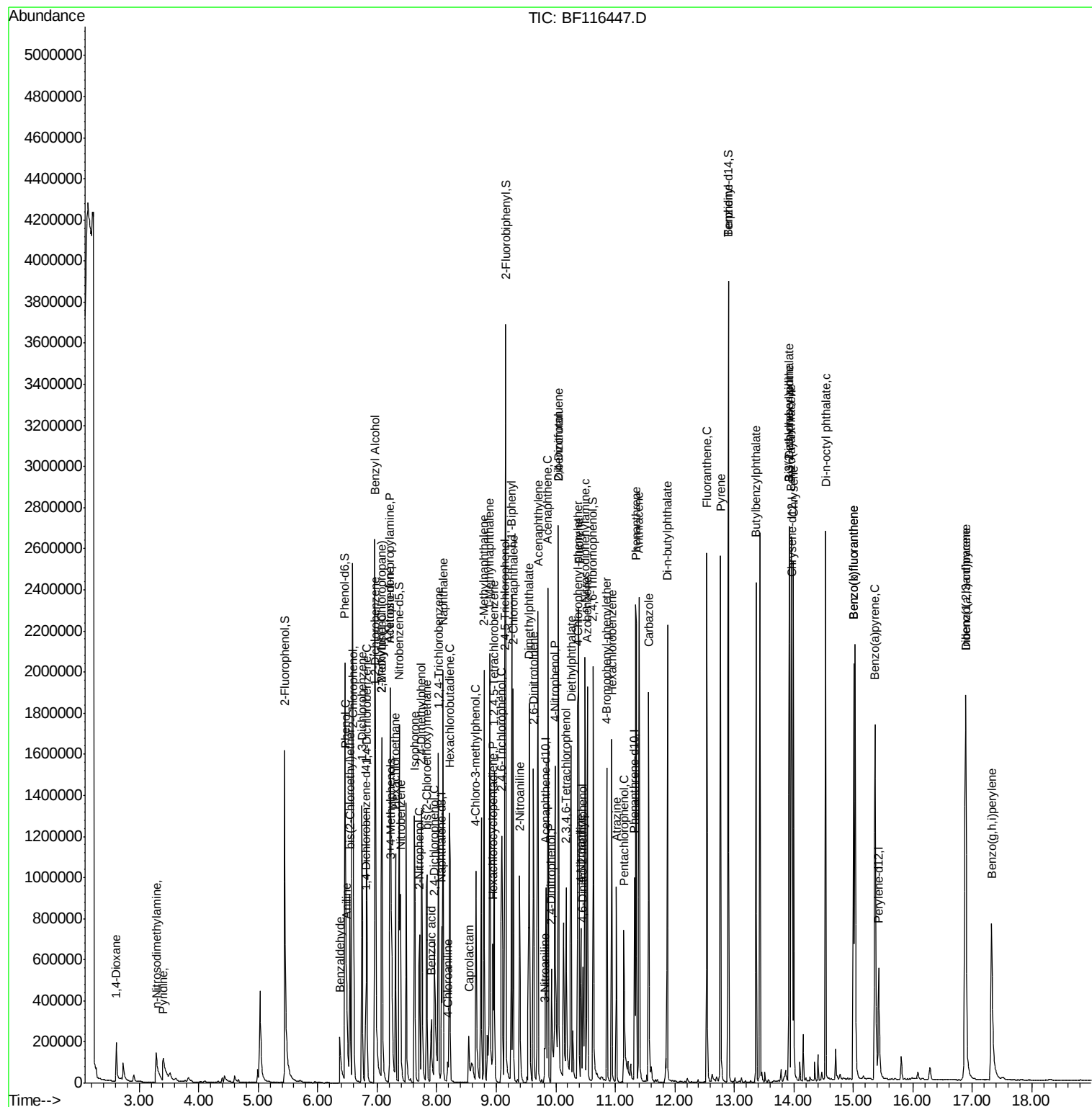
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.95	237	80486	40.059	ng	99
43) 2,4,6-Trichlorophenol	9.09	196	162589	48.572	ng	98
44) 2,4,5-Trichlorophenol	9.14	196	169245	48.912	ng	99
46) 1,1'-Biphenyl	9.26	154	700920	54.577	ng	98
47) 2-Chloronaphthalene	9.29	162	548309	51.297	ng	98
48) 2-Nitroaniline	9.39	65	173651	49.150	ng	98
49) Acenaphthylene	9.70	152	829783	53.211	ng	99
50) Dimethylphthalate	9.56	163	680271	54.922	ng	100
51) 2,6-Dinitrotoluene	9.63	165	145341	53.996	ng	# 88
52) Acenaphthene	9.87	154	509556	53.263	ng	100
53) 3-Nitroaniline	9.82	138	41573	12.500	ng	97
54) 2,4-Dinitrophenol	9.93	184	115709	84.077	ng	99
55) Dibenzofuran	10.05	168	731854	52.603	ng	100
56) 4-Nitrophenol	9.99	139	120911	56.750	ng	96
57) 2,4-Dinitrotoluene	10.05	165	187393	52.289	ng	95
58) Fluorene	10.39	166	610744	57.057	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.17	232	160011	54.965	ng	95
60) Diethylphthalate	10.26	149	645216	55.796	ng	99
61) 4-Chlorophenyl-phenylether	10.37	204	306057	56.457	ng	96
62) 4-Nitroaniline	10.42	138	129448	37.661	ng	98
63) Azobenzene	10.53	77	658562	55.368	ng	99
65) 4,6-Dinitro-2-methylphenol	10.46	198	95452	53.023	ng	99
66) n-Nitrosodiphenylamine	10.49	169	481608	47.103	ng	99
67) 4-Bromophenyl-phenylether	10.86	248	186047	51.161	ng	96
68) Hexachlorobenzene	10.94	284	206857	49.193	ng	98
69) Atrazine	11.02	200	116932	34.763	ng	99
70) Pentachlorophenol	11.15	266	161635	79.174	ng	98
71) Phenanthrene	11.35	178	920386	52.999	ng	100
72) Anthracene	11.40	178	964649	54.886	ng	99
73) Carbazole	11.56	167	812475	50.954	ng	99
74) Di-n-butylphthalate	11.87	149	1087265	58.452	ng	99
75) Fluoranthene	12.54	202	1042495	57.341	ng	98
77) Benzidine	12.90	184	19353	1.944	ng	97
78) Pyrene	12.77	202	1056830	47.587	ng	99
80) Butylbenzylphthalate	13.37	149	501873	53.423	ng	98
81) Benzo(a)anthracene	13.96	228	958628	50.907	ng	100
82) 3,3'-Dichlorobenzidine	13.92	252	32791	5.012	ng	100
83) Chrysene	13.99	228	964620	52.764	ng	99
84) Bis(2-ethylhexyl)phthalate	13.92	149	732364	59.991	ng	99
85) Di-n-octyl phthalate	14.53	149	1241216	64.012	ng	99
86) Indeno(1,2,3-cd)pyrene	16.89	276	947138	61.684	ng	100
88) Benzo(b)fluoranthene	15.00	252	921529	52.339	ng	100
89) Benzo(k)fluoranthene	15.00	252	921529	53.735	ng	99
90) Benzo(a)pyrene	15.36	252	872602	55.441	ng	99
91) Dibenzo(a,h)anthracene	16.89	278	811521	59.565	ng	98
92) Benzo(g,h,i)perylene	17.32	276	771419	57.654	ng	98

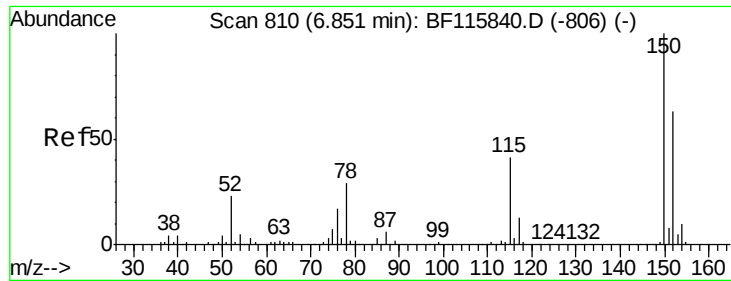
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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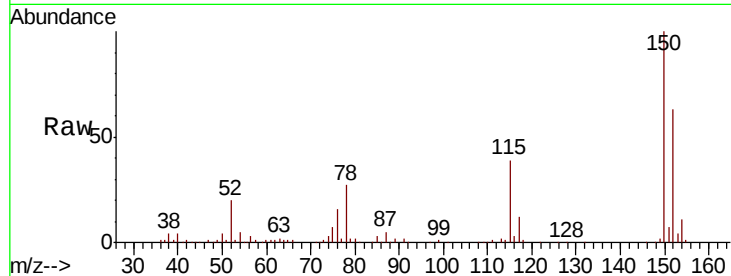


#1

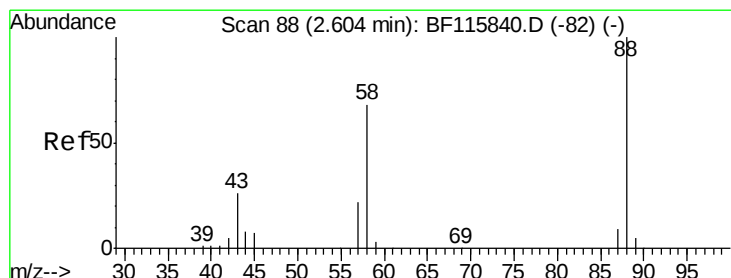
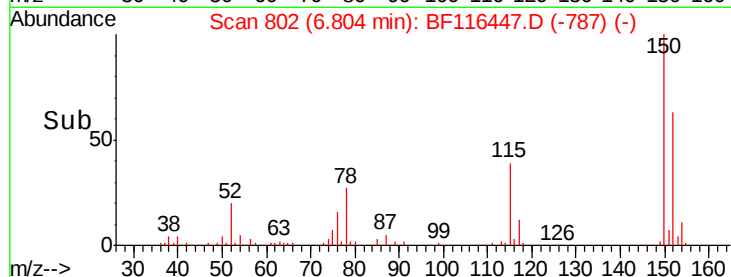
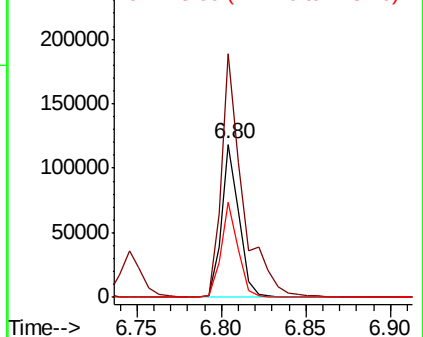
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF116447.D
Acq: 20 Aug 2019 23:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 85314
Ion Ratio Lower Upper
152 100
150 158.9 126.2 189.2
115 62.2 49.9 74.9



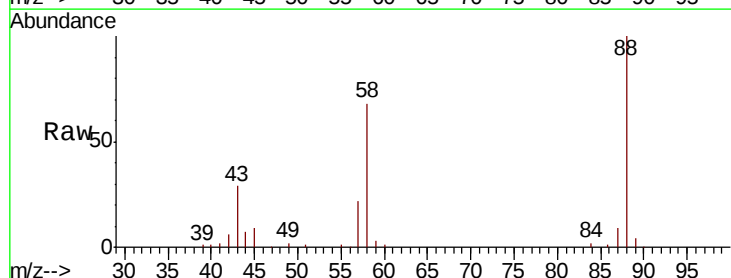
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



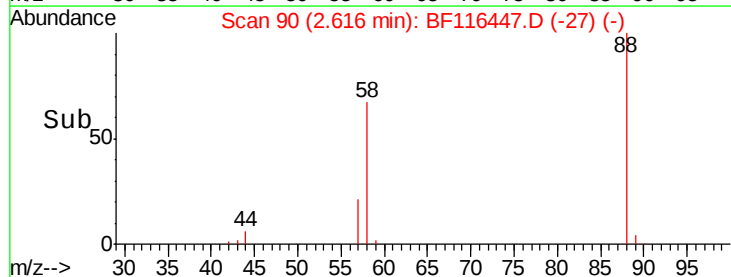
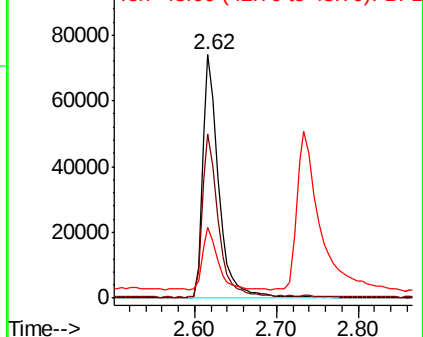
#2

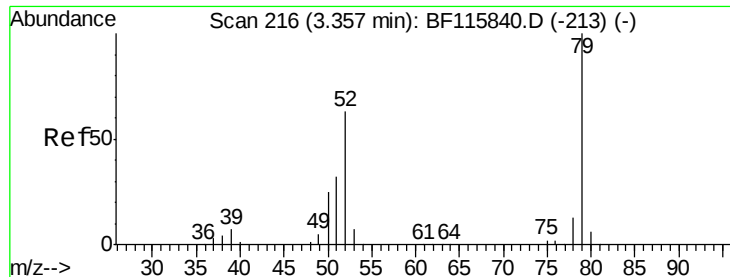
1,4-Dioxane
Concen: 39.613 ng
RT: 2.62 min Scan# 90
Delta R.T. 0.07 min
Lab File: BF116447.D
Acq: 20 Aug 2019 23:07

Tgt Ion: 88 Resp: 101986
Ion Ratio Lower Upper
88 100
58 67.0 53.7 80.5
43 25.0 21.0 31.4



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

Pvridine

Concen: 24.979 ng

RT: 3.40 min Scan# 224

Delta R.T. 0.11 min

Lab File: BF116447.D

Acq: 20 Aug 2019 23:07

Instrument :

BNA_F

ClientSampleId :

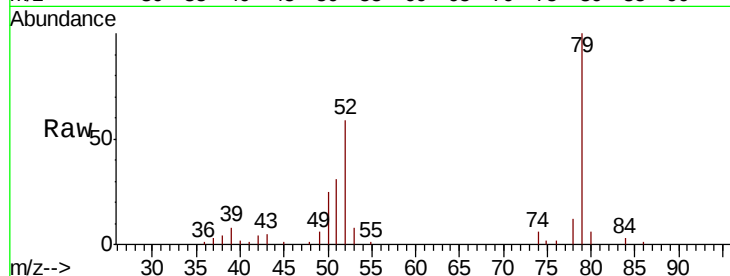
Tot Ion: 79 Resp: 179647

Ion Ratio Lower Upper

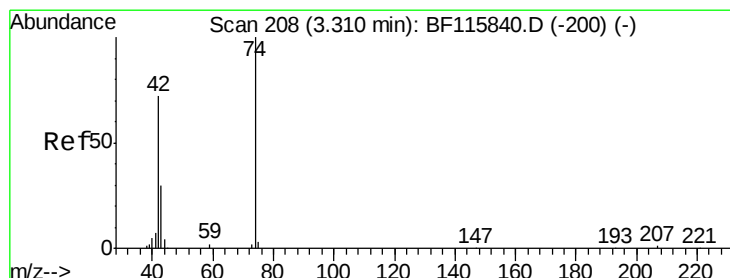
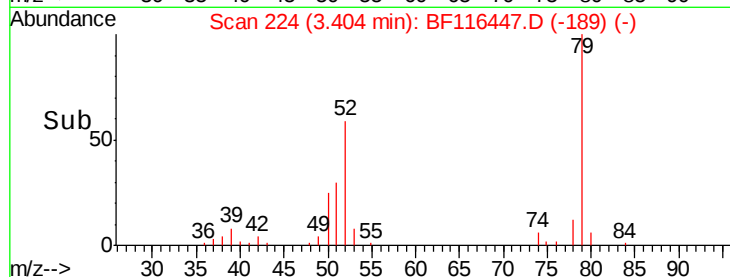
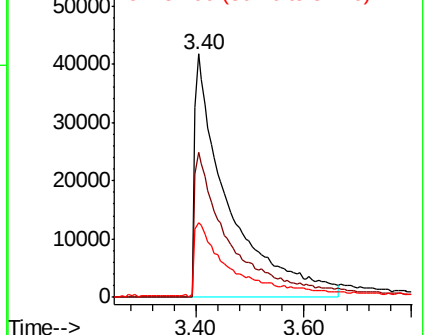
79 100

52 59.4 49.8 74.8

51 30.9 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: 40.756 ng

RT: 3.29 min Scan# 204

Delta R.T. 0.03 min

Lab File: BF116447.D

Acq: 20 Aug 2019 23:07

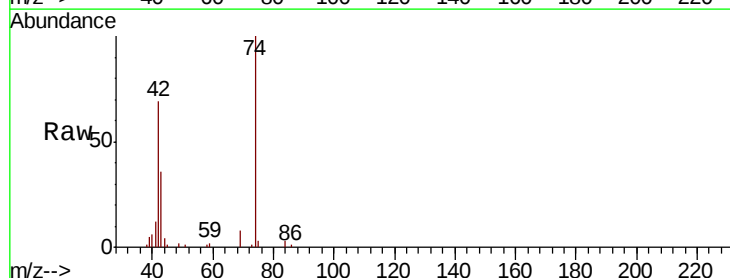
Tgt Ion: 42 Resp: 115673

Ion Ratio Lower Upper

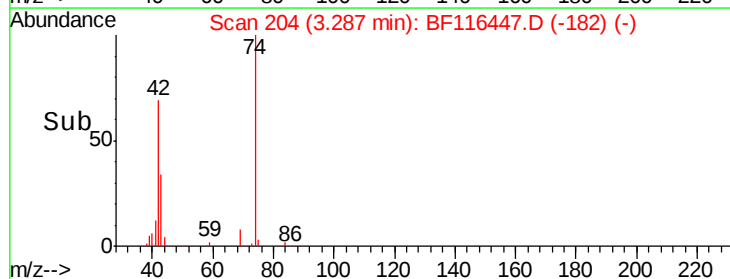
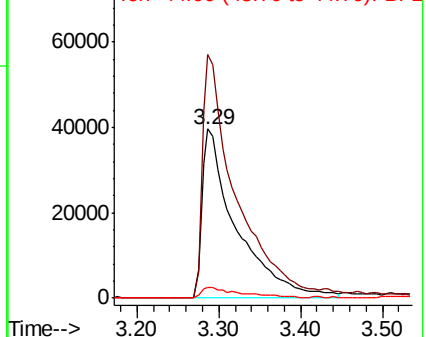
42 100

74 144.1 116.0 174.0

44 6.4 4.6 7.0



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: 141.539 ng

RT: 5.45 min Scan# 571

Delta R.T. 0.01 min

Lab File: BF116447.D

Acq: 20 Aug 2019 23:07

Instrument :

BNA_F

ClientSampled :

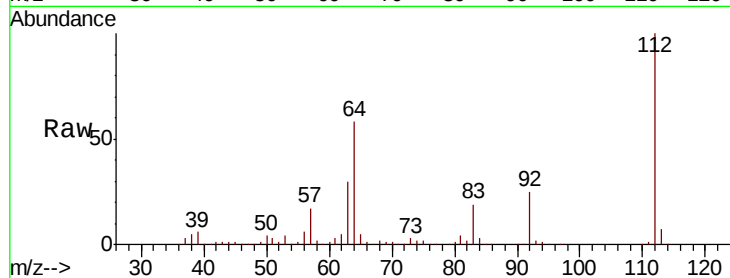
Tot Ion:112 Resp: 721313

Ion Ratio Lower Upper

112 100

64 57.7 45.4 68.2

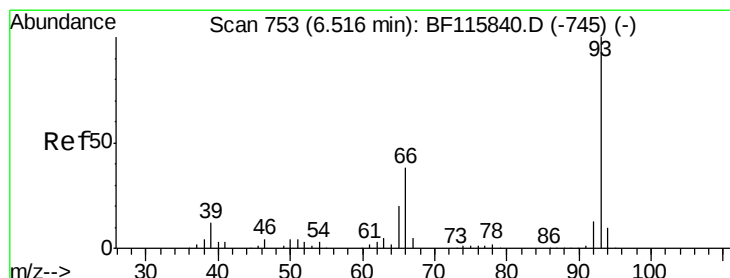
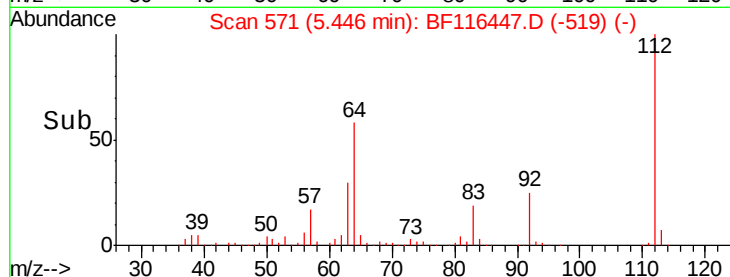
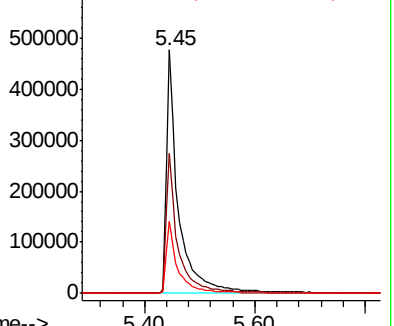
63 29.6 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 10.167 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.00 min

Lab File: BF116447.D

Acq: 20 Aug 2019 23:07

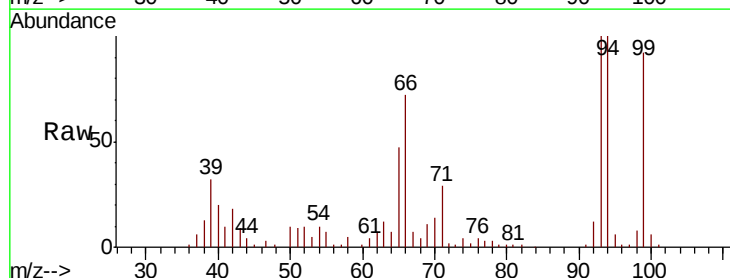
Tgt Ion: 93 Resp: 93620

Ion Ratio Lower Upper

93 100

66 71.5 32.2 48.4#

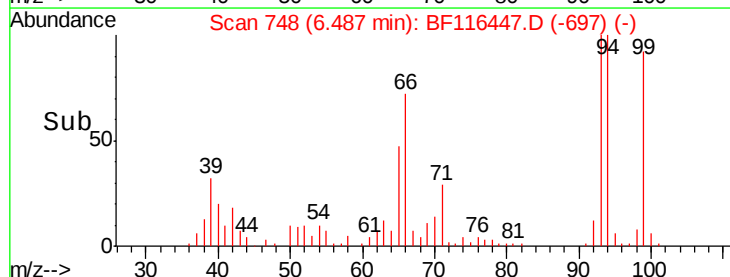
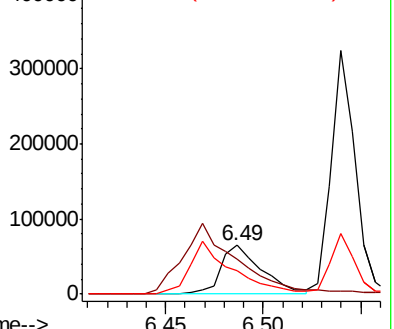
65 47.2 17.0 25.6#

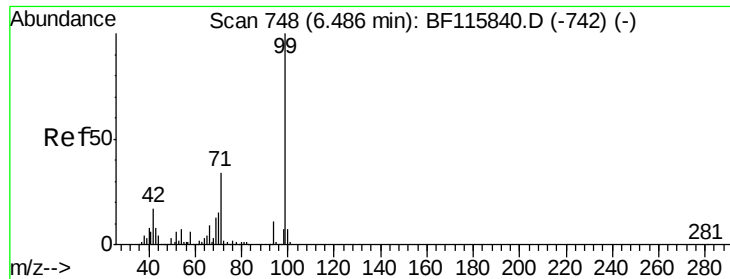


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 132.621 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF116447.D

Acq: 20 Aug 2019 23:07

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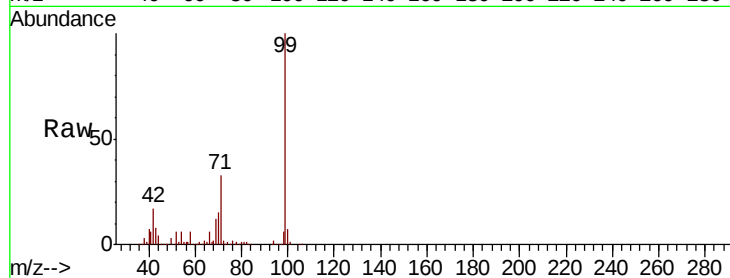
Tot Ion: 99 Resp: 852725

Ion Ratio Lower Upper

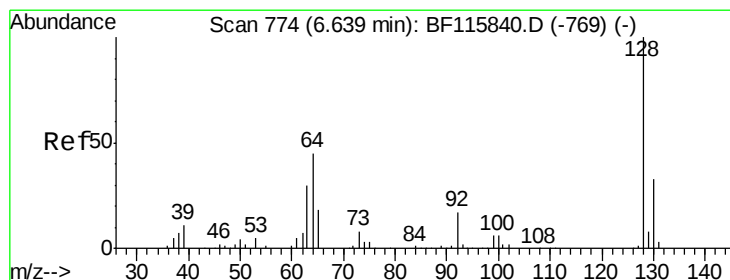
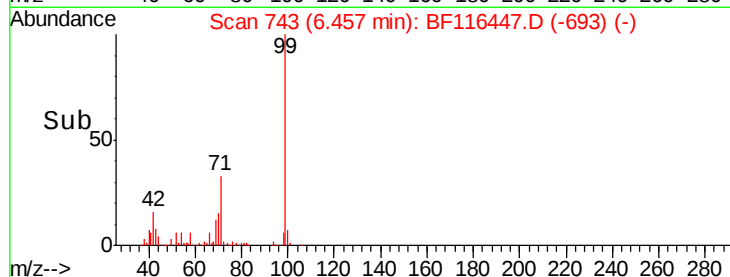
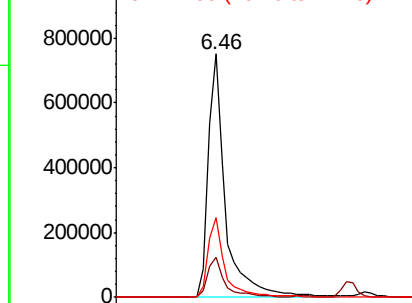
99 100

42 16.5 13.8 20.8

71 32.7 27.3 40.9



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: 50.567 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.01 min

Lab File: BF116447.D

Acq: 20 Aug 2019 23:07

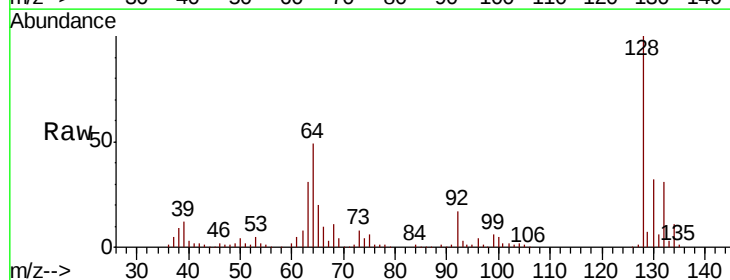
Tgt Ion: 128 Resp: 284968

Ion Ratio Lower Upper

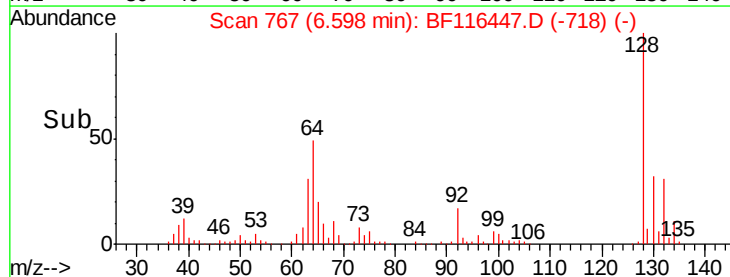
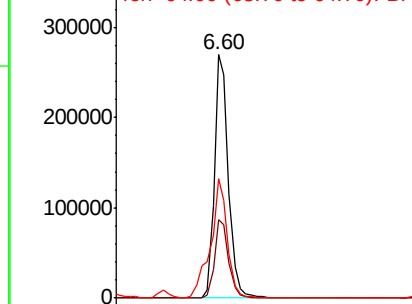
128 100

130 32.3 12.9 52.9

64 49.1 24.3 64.3



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: 20.231 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.00 min

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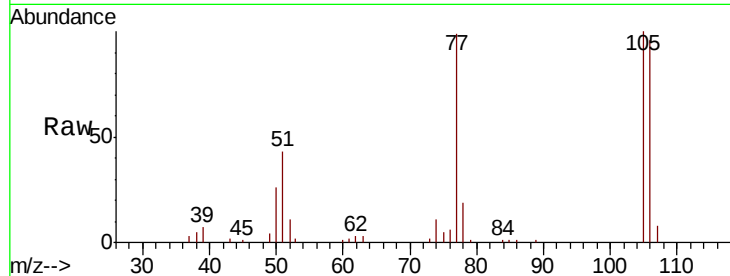
Tot Ion: 77 Resp: 89755

Ion Ratio Lower Upper

77 100

105 101.0 79.2 119.2

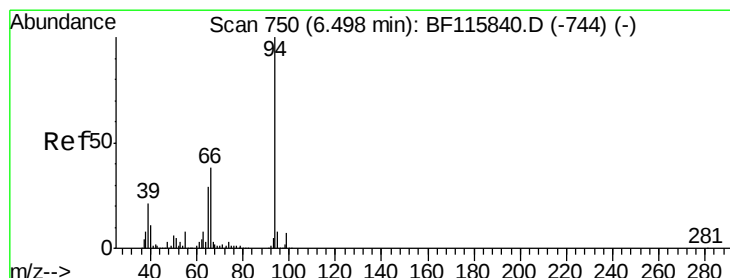
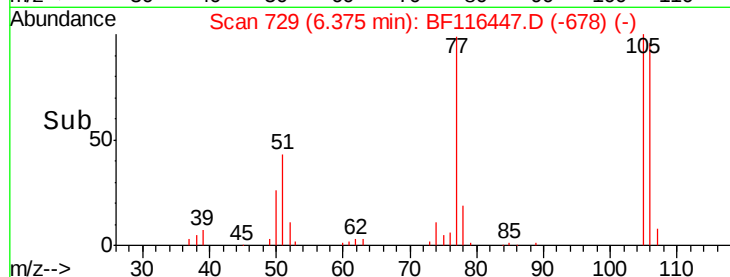
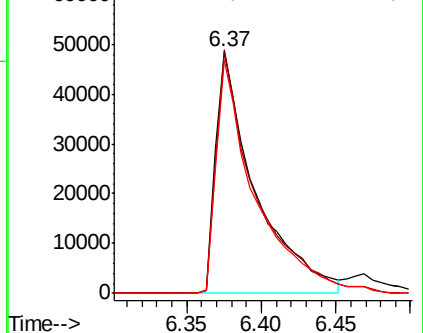
106 97.0 74.3 114.3



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: 40.590 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF116447.D

Acq: 20 Aug 2019 23:07

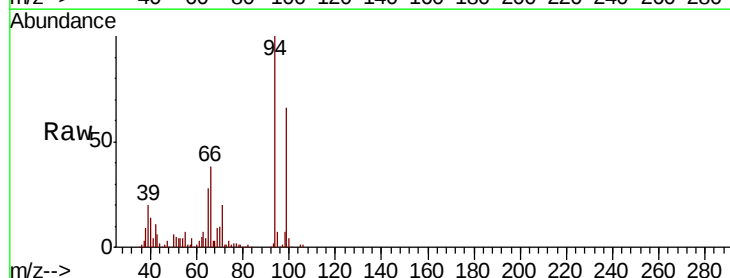
Tgt Ion: 94 Resp: 307334

Ion Ratio Lower Upper

94 100

65 28.0 16.8 56.8

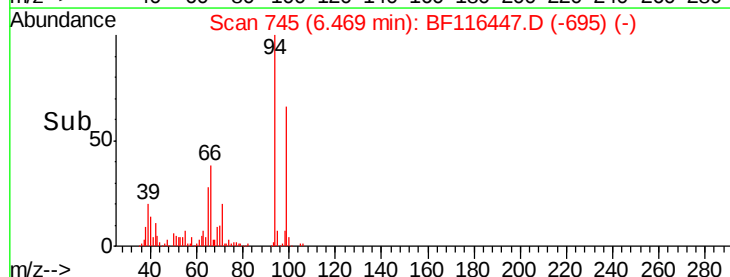
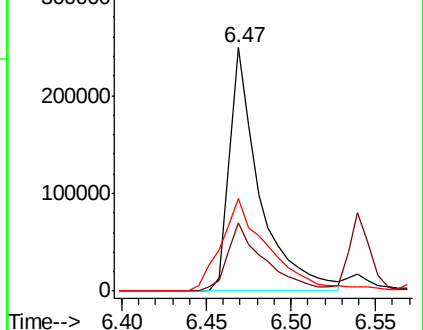
66 38.2 34.2 74.2



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: 50.305 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.01 min

Lab File: BF116447.D

Acq: 20 Aug 2019 23:07

Instrument :

BNA_F

ClientSampleId :

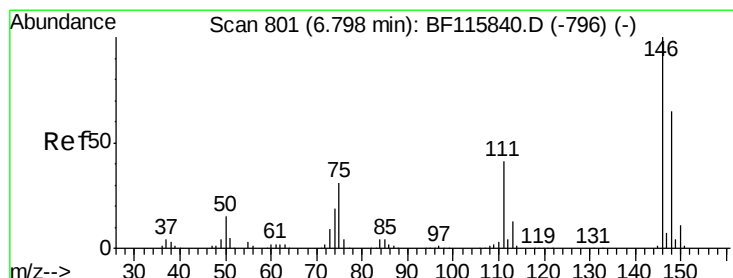
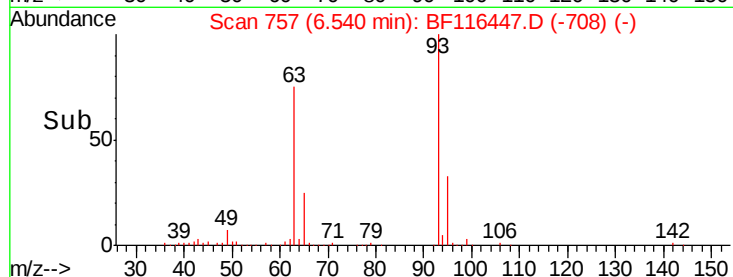
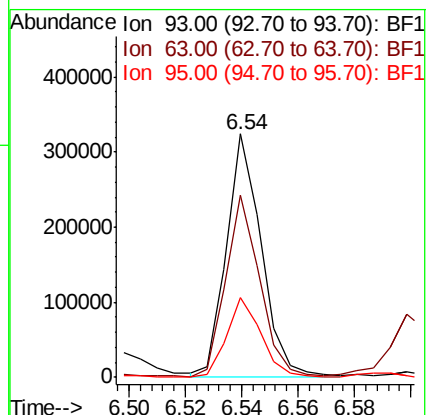
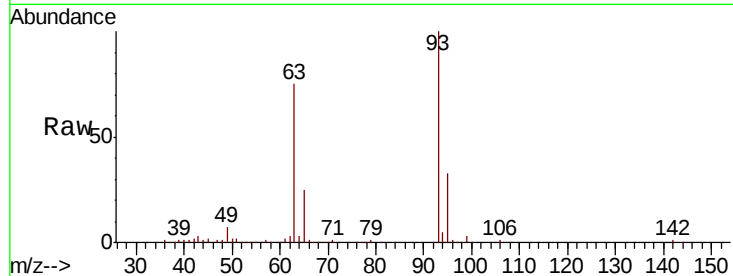
Tot Ion: 93 Resp: 280041

Ion Ratio Lower Upper

93 100

63 74.6 51.9 91.9

95 32.6 13.0 53.0



#12

1,3-Dichlorobenzene

Concen: 45.913 ng

RT: 6.75 min Scan# 792

Delta R.T. -0.01 min

Lab File: BF116447.D

Acq: 20 Aug 2019 23:07

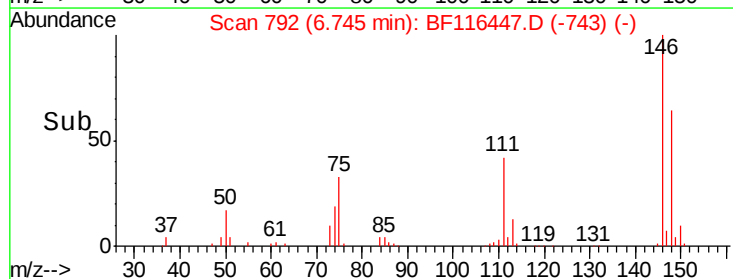
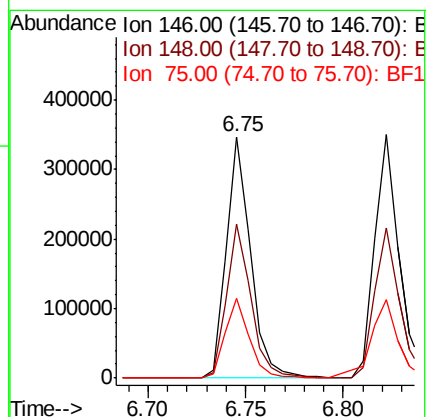
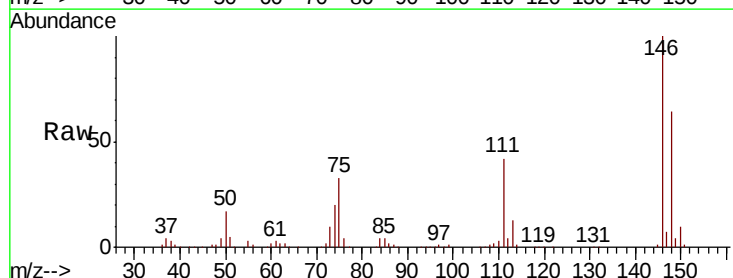
Tgt Ion: 146 Resp: 299024

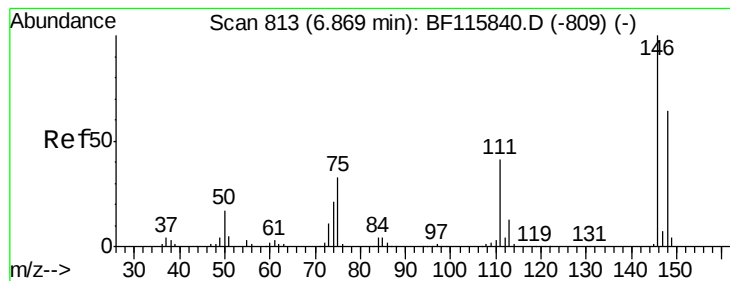
Ion Ratio Lower Upper

146 100

148 64.1 51.3 76.9

75 33.1 27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 48.253 ng

RT: 6.82 min Scan# 805

Delta R.T. -0.01 min

Lab File: BF116447.D

Acq: 20 Aug 2019 23:07

Instrument :

BNA_F

ClientSampled :

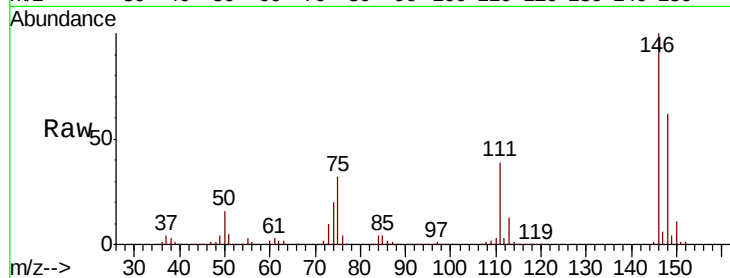
Tot Ion:146 Resp: 314662

Ion Ratio Lower Upper

146 100

148 61.9 51.3 76.9

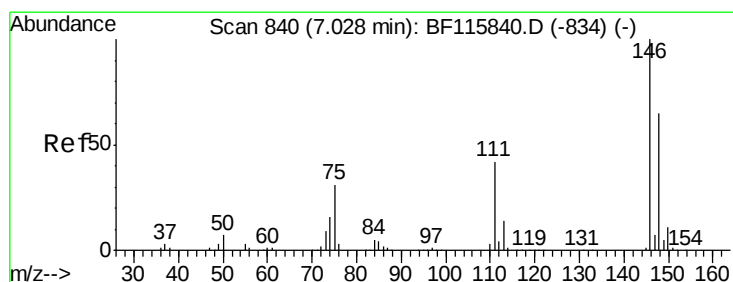
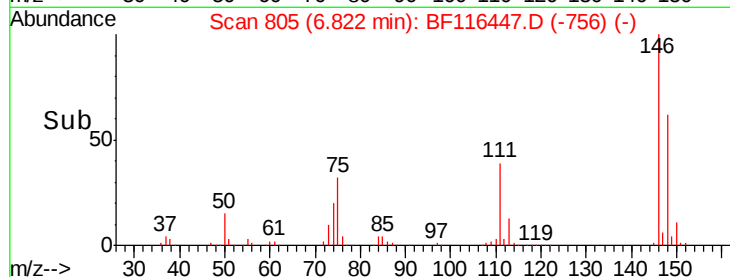
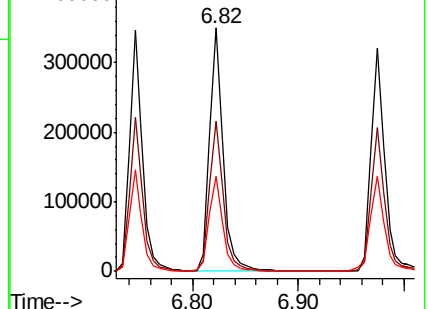
111 39.3 34.0 51.0



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: 48.043 ng

RT: 6.97 min Scan# 831

Delta R.T. -0.01 min

Lab File: BF116447.D

Acq: 20 Aug 2019 23:07

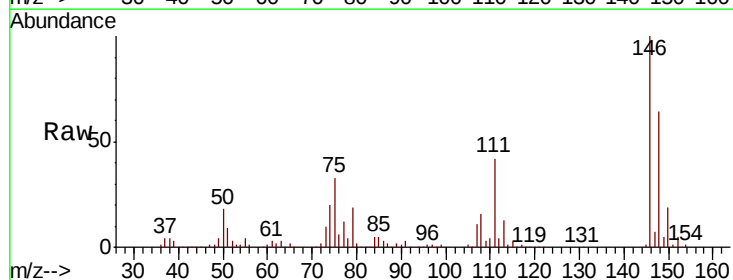
Tgt Ion:146 Resp: 288474

Ion Ratio Lower Upper

146 100

148 64.4 51.2 76.8

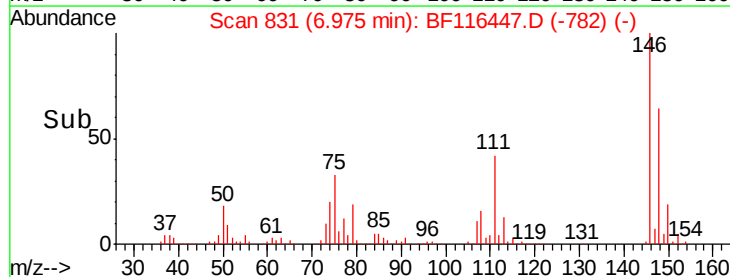
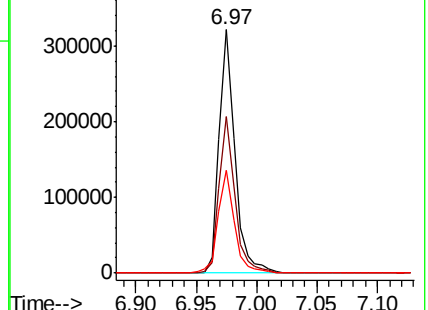
111 42.4 33.5 50.3



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: 45.213 ng

RT: 6.96 min Scan# 829

Delta R.T. -0.01 min

Lab File: BF116447.D

Acq: 20 Aug 2019 23:07

Instrument :

BNA_F

ClientSampleID :

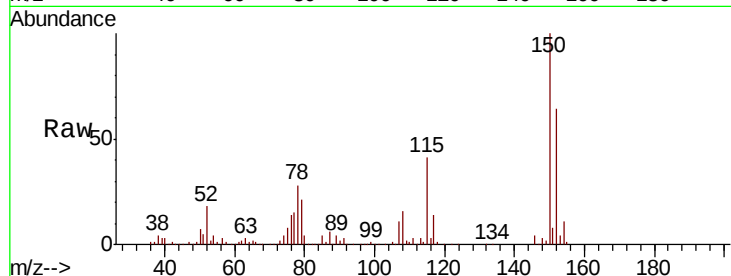
Tot Ion: 79 Resp: 220621

Ion Ratio Lower Upper

79 100

108 76.3 62.7 94.1

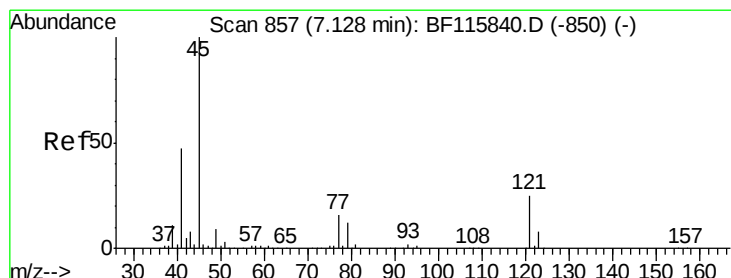
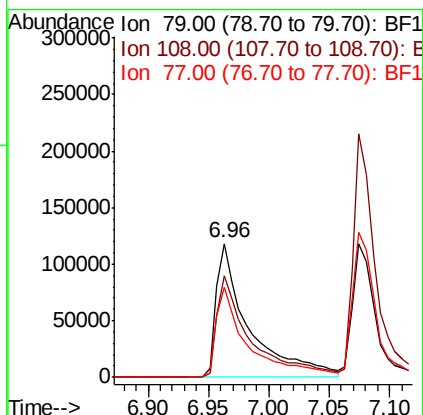
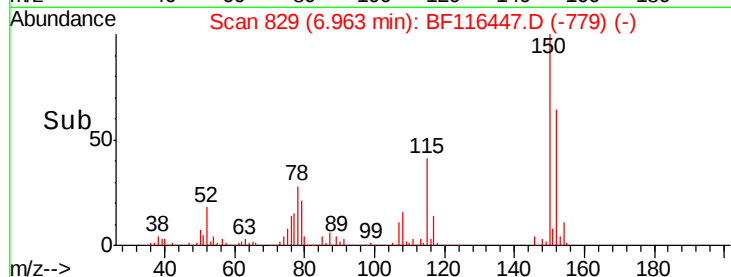
77 67.8 52.2 78.2



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1



#16

2,2'-oxybis(1-Chloropropane)

Concen: 47.453 ng

RT: 7.08 min Scan# 849

Delta R.T. -0.01 min

Lab File: BF116447.D

Acq: 20 Aug 2019 23:07

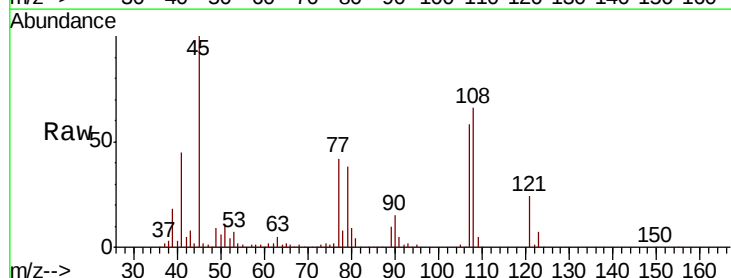
Tgt Ion: 45 Resp: 360316

Ion Ratio Lower Upper

45 100

77 41.6 0.0 40.0#

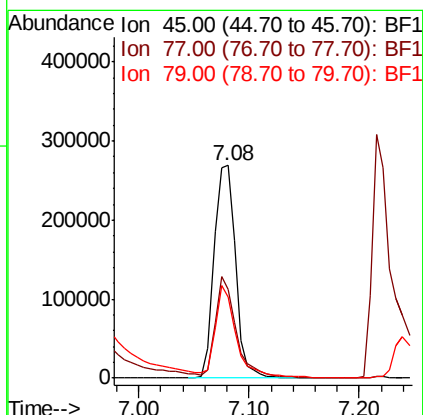
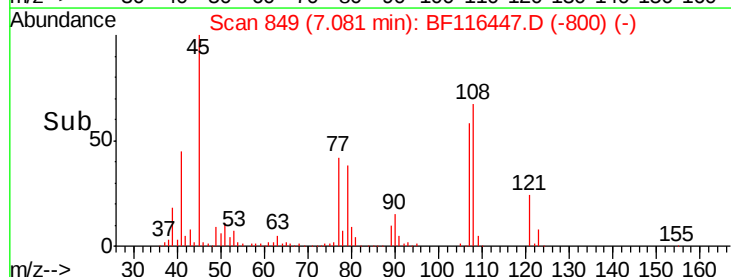
79 37.9 0.0 35.9#

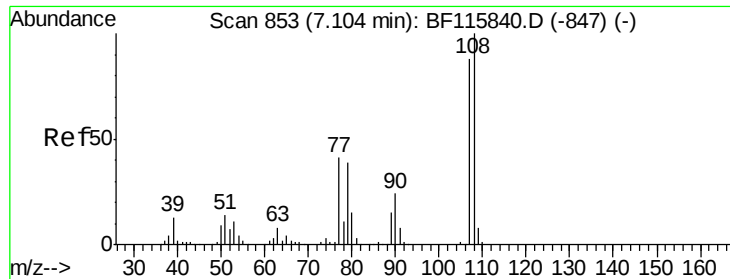


Abundance Ion 45.00 (44.70 to 45.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1

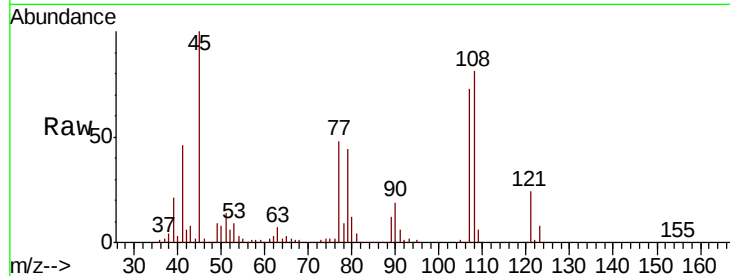




#17
2-Methylphenol
Concen: 49.147 ng
RT: 7.07 min Scan# 848
Delta R.T. -0.01 min
Lab File: BF116447.D
Acq: 20 Aug 2019 23:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
108	111.0	91.2	136.8
77	66.4	40.3	60.5#
79	60.6	37.6	56.4#



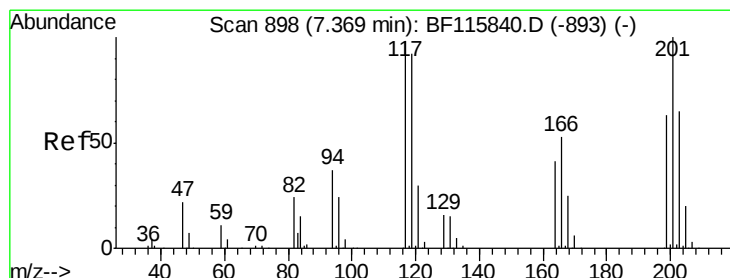
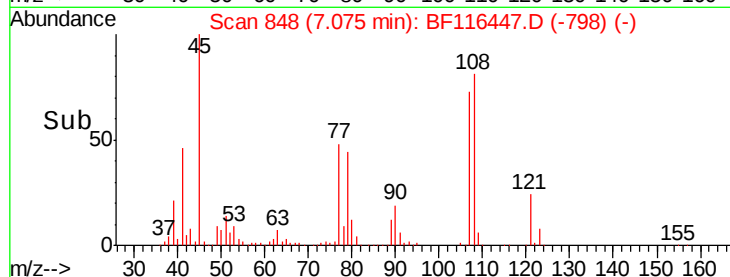
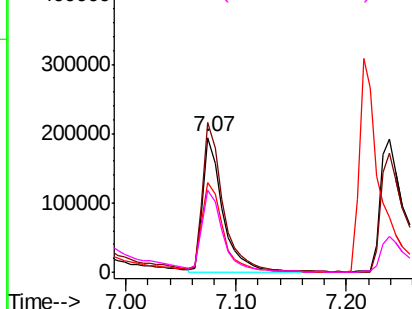
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

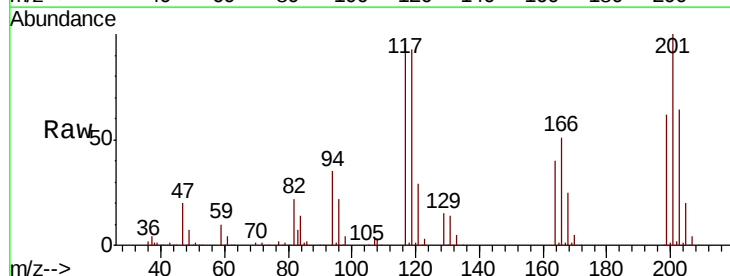
Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18
Hexachloroethane
Concen: 46.003 ng
RT: 7.31 min Scan# 888
Delta R.T. -0.02 min
Lab File: BF116447.D
Acq: 20 Aug 2019 23:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.1	76.1	114.1
201	104.7	77.0	115.4

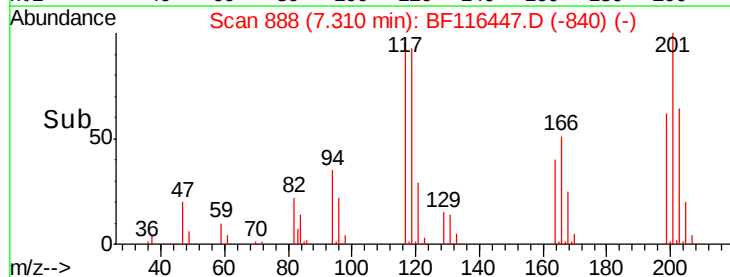
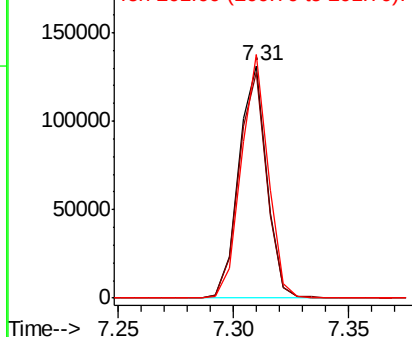


Abundance

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

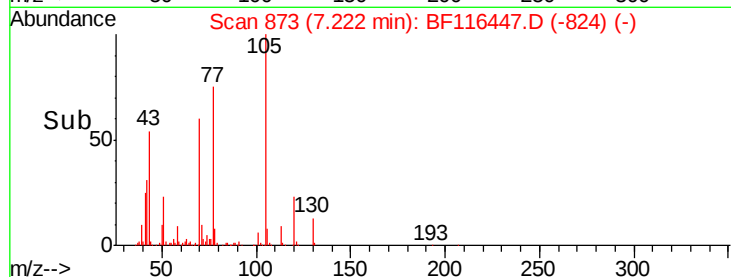
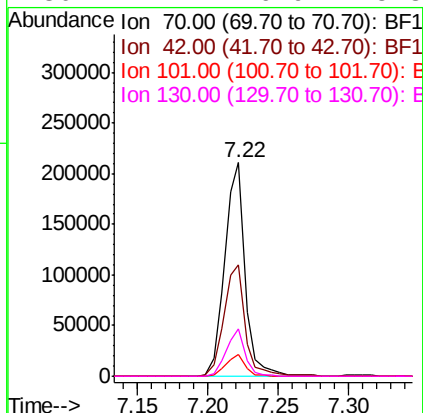
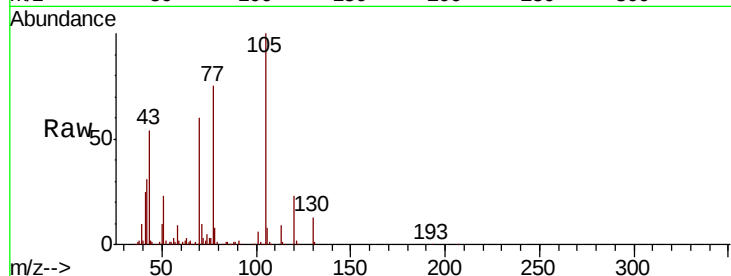




#19
n-Nitroso-di-n-propylamine
Concen: 52.778 ng
RT: 7.22 min Scan# 873
Delta R.T. -0.01 min
Lab File: BF116447.D
Acq: 20 Aug 2019 23:07

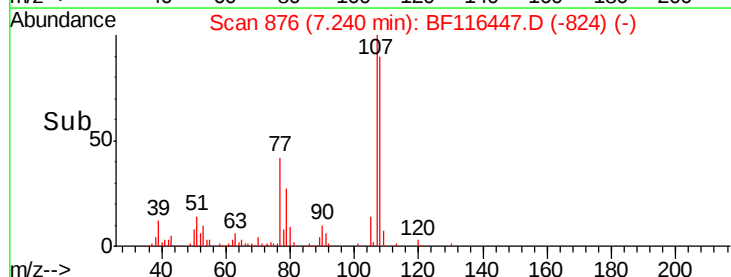
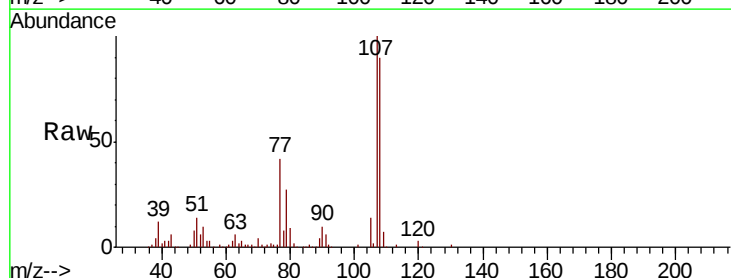
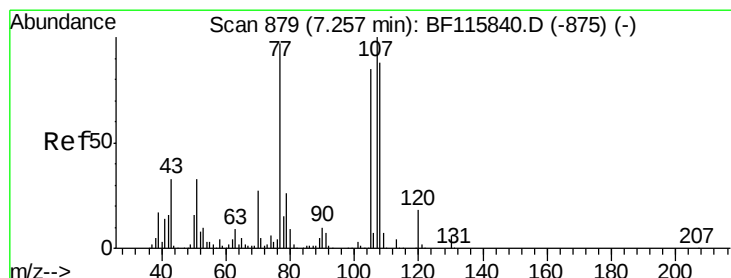
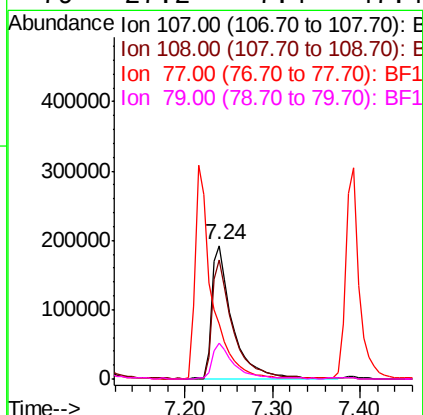
Instrument :
BNA_F
ClientSampleId :

Tot Ion:	70	Resp:	210288
Ion	Ratio	Lower	Upper
70	100		
42	52.1	40.9	61.3
101	10.1	7.9	11.9
130	22.2	16.9	25.3



#20
3+4-Methylphenols
Concen: 56.032 ng
RT: 7.24 min Scan# 876
Delta R.T. 0.01 min
Lab File: BF116447.D
Acq: 20 Aug 2019 23:07

Tgt Ion:	107	Resp:	316401
Ion	Ratio	Lower	Upper
107	100		
108	89.8	67.6	107.6
77	41.5	104.4	144.4#
79	27.2	7.4	47.4

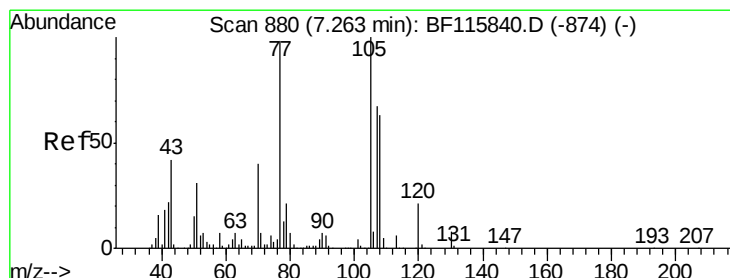
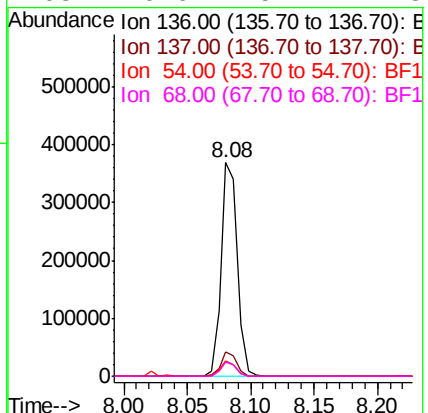
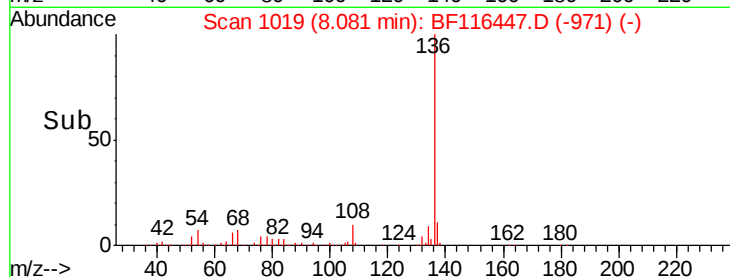
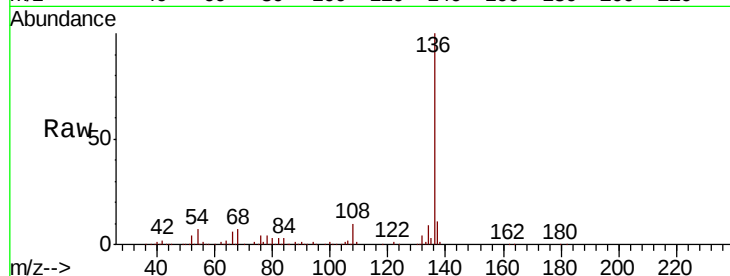




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.02 min
Lab File: BF116447.D
Acq: 20 Aug 2019 23:07

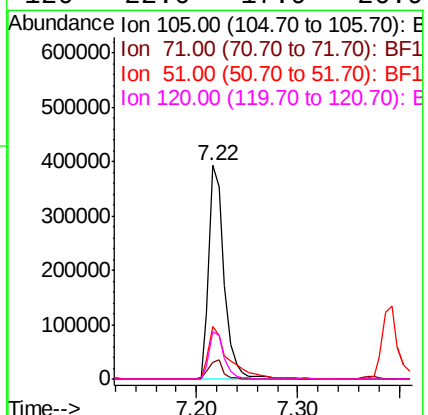
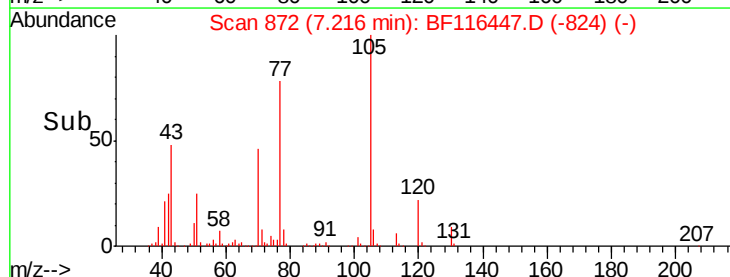
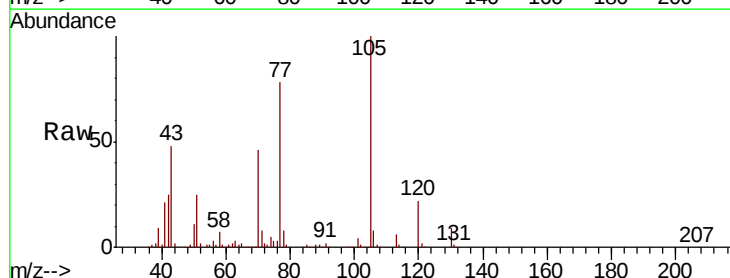
Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	330566
Ion Ratio	Lower	Upper
136 100		
137 11.1	9.0	13.4
54 7.4	5.8	8.6
68 6.6	5.2	7.8



#22
Acetophenone
Concen: 56.989 ng
RT: 7.22 min Scan# 872
Delta R.T. -0.02 min
Lab File: BF116447.D
Acq: 20 Aug 2019 23:07

Tgt	Ion:105	Resp:	413155
Ion	Ratio	Lower	Upper
105	100		
71	8.0	5.9	8.9
51	24.6	25.3	37.9#
120	22.0	17.9	26.9

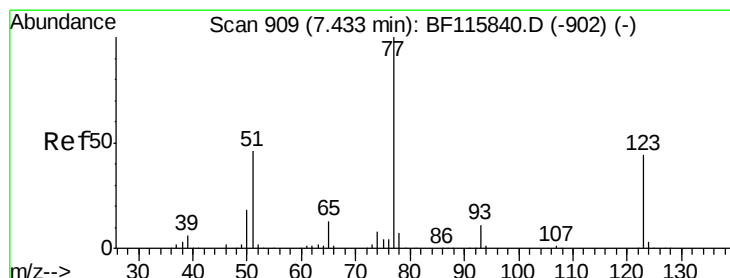
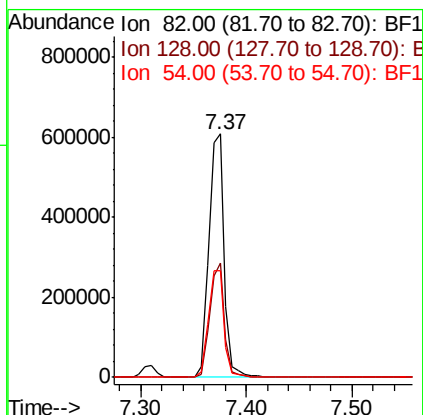
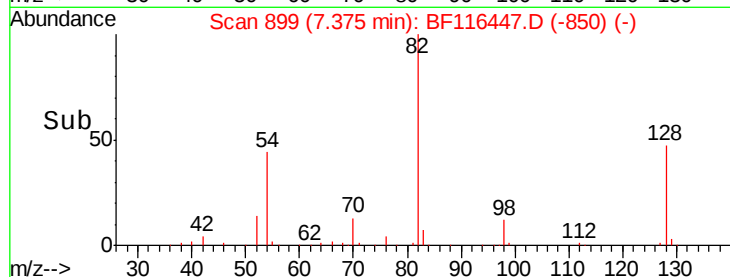
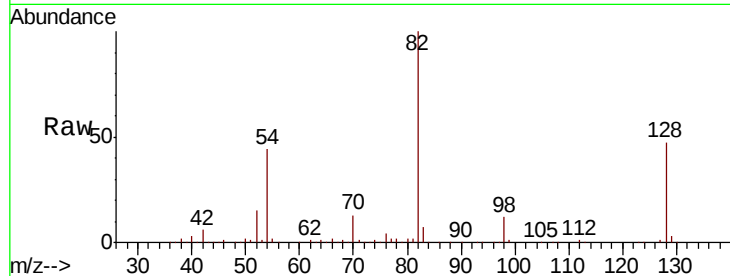




#23
 Nitrobenzene-d5
 Concen: 108.032 ng
 RT: 7.37 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: BF116447.D
 Acq: 20 Aug 2019 23:07

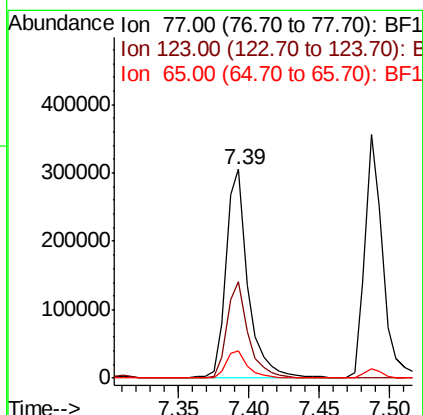
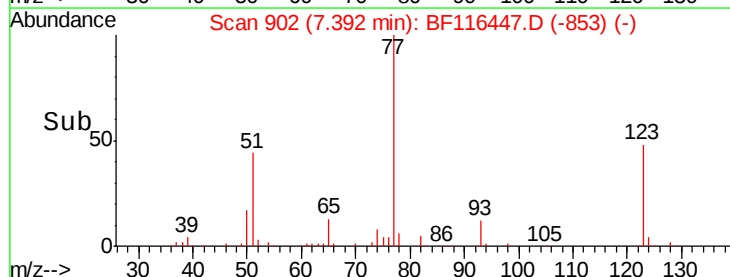
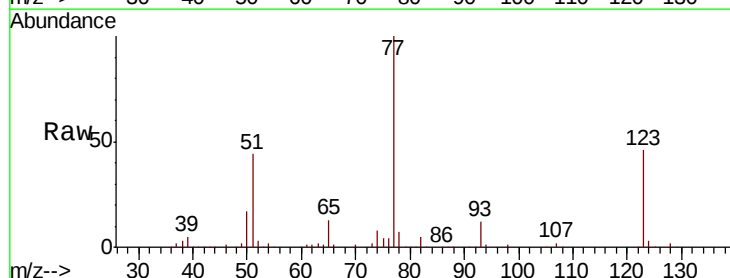
Instrument :
 BNA_F
 ClientSampled :

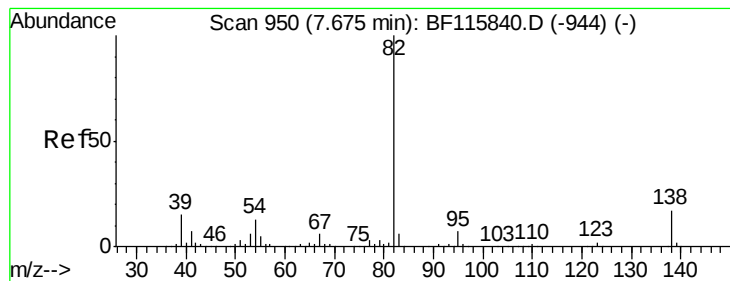
Tot Ion: 82 Resp: 618670
 Ion Ratio Lower Upper
 82 100
 128 47.1 36.5 54.7
 54 44.1 36.0 54.0



#24
 Nitrobenzene
 Concen: 52.825 ng
 RT: 7.39 min Scan# 902
 Delta R.T. -0.01 min
 Lab File: BF116447.D
 Acq: 20 Aug 2019 23:07

Tgt Ion: 77 Resp: 326648
 Ion Ratio Lower Upper
 77 100
 123 46.5 36.7 55.1
 65 12.8 10.6 16.0





#25

Isophorone

Concen: 53.295 ng

RT: 7.63 min Scan# 942

Delta R.T. -0.01 min

Lab File: BF116447.D

Acq: 20 Aug 2019 23:07

Instrument :

BNA_F

ClientSampleId :

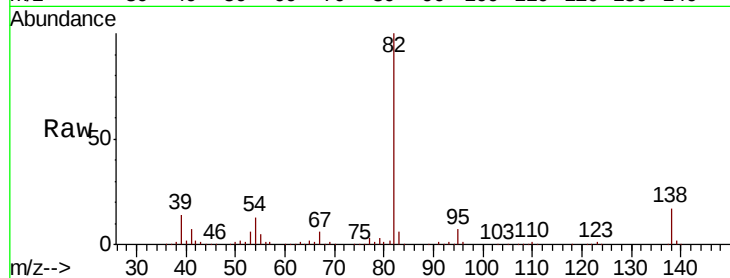
Tot Ion: 82 Resp: 583604

Ion Ratio Lower Upper

82 100

95 6.7 5.4 8.0

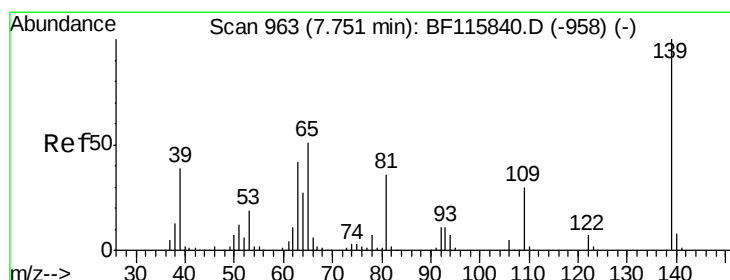
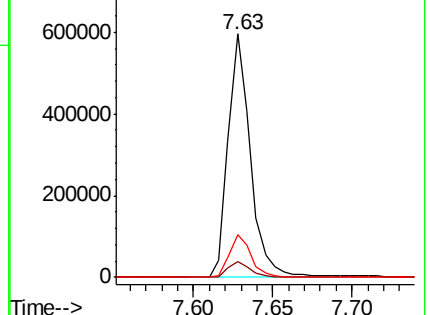
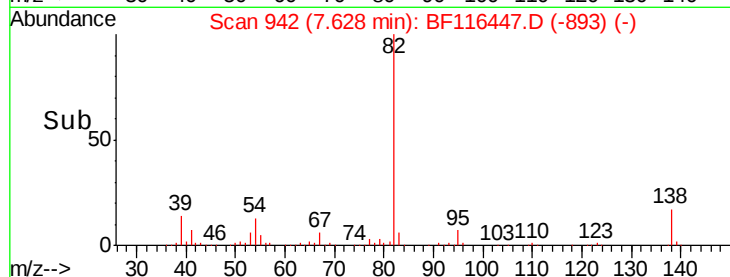
138 17.3 14.5 21.7



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#26

2-Nitrophenol

Concen: 53.282 ng

RT: 7.71 min Scan# 956

Delta R.T. -0.01 min

Lab File: BF116447.D

Acq: 20 Aug 2019 23:07

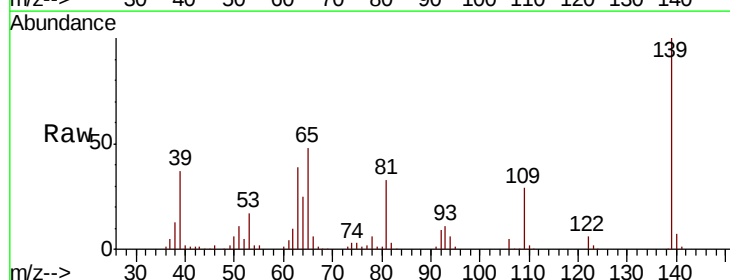
Tgt Ion: 139 Resp: 155308

Ion Ratio Lower Upper

139 100

109 28.5 23.4 35.2

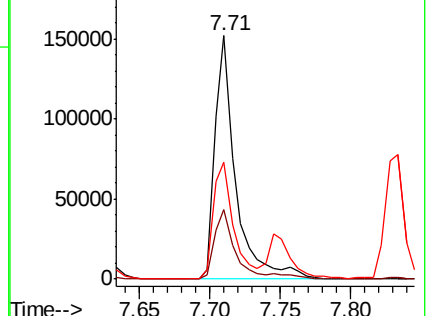
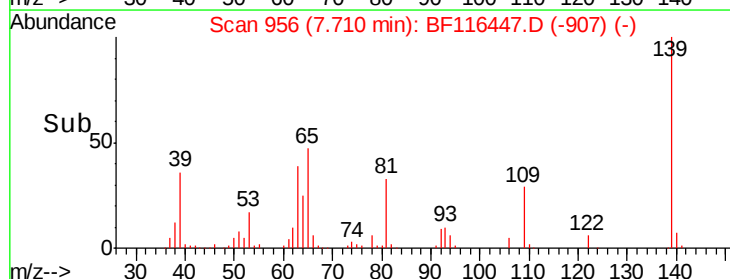
65 47.9 41.1 61.7

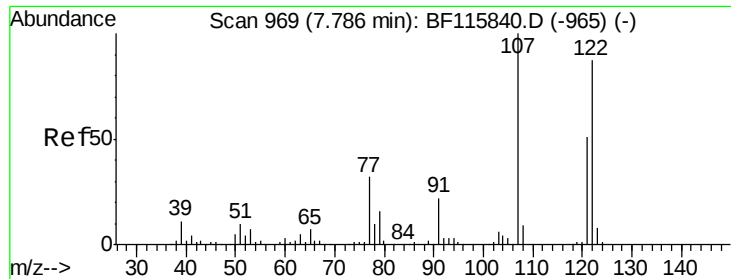


Abundance Ion 139.00 (138.70 to 139.70): BF1

Ion 109.00 (108.70 to 109.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

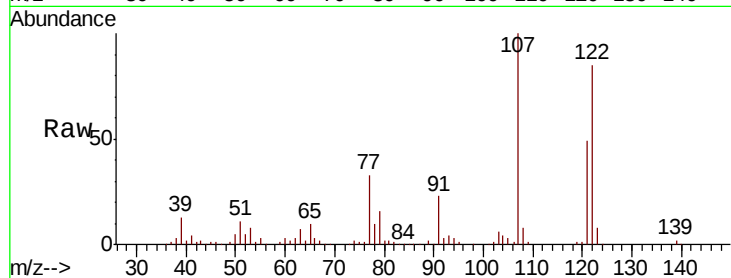




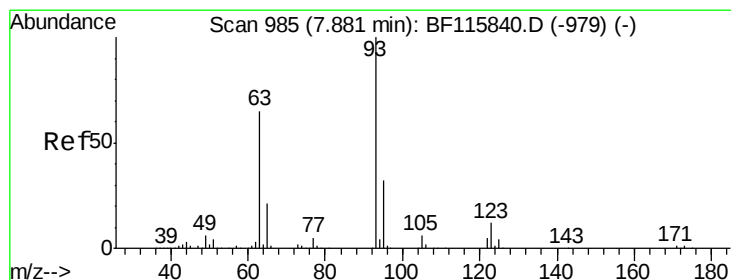
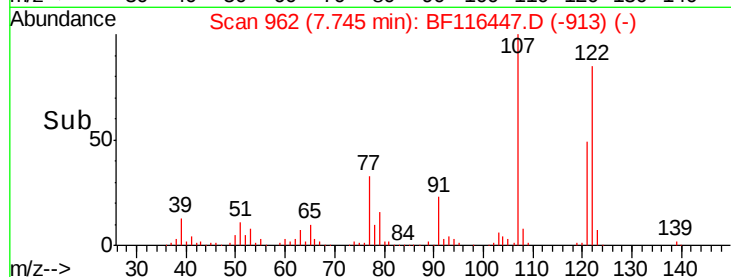
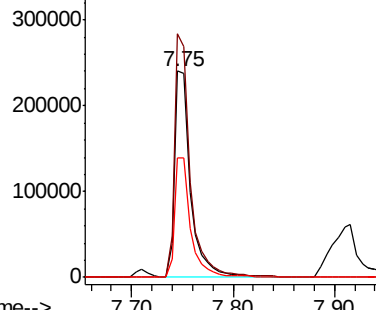
#27
2,4-Dimethylphenol
Concen: 59.885 ng
RT: 7.75 min Scan# 962
Delta R.T. -0.01 min
Lab File: BF116447.D
Acq: 20 Aug 2019 23:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
122	100		
107	118.0	93.0	139.6
121	58.0	47.6	71.4

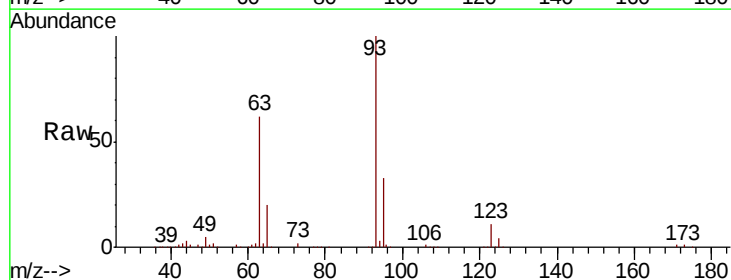


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E

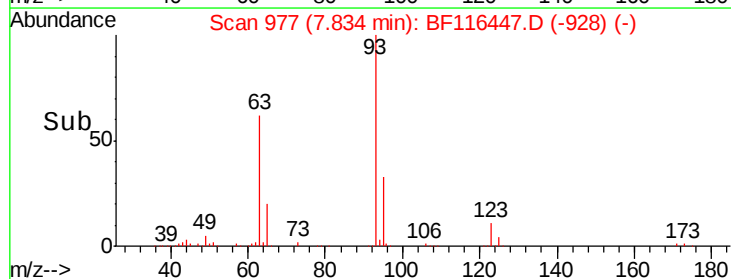
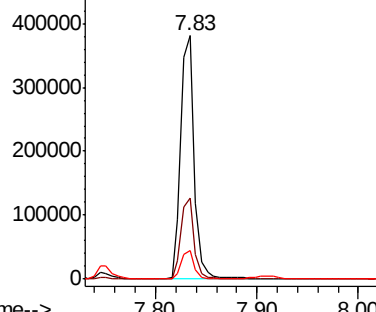


#28
bis(2-Chloroethoxy)methane
Concen: 52.288 ng
RT: 7.83 min Scan# 977
Delta R.T. -0.01 min
Lab File: BF116447.D
Acq: 20 Aug 2019 23:07

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.3	26.2	39.4
123	11.5	9.2	13.8



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

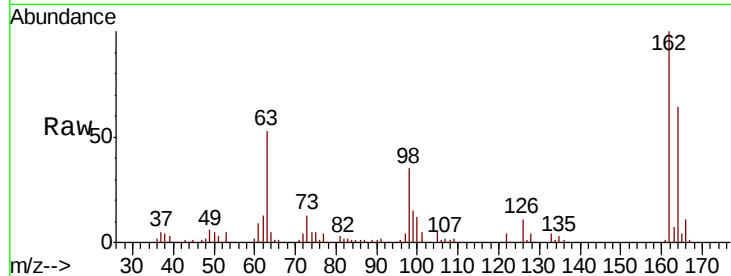




#29
 2,4-Dichlorophenol
 Concen: 54.453 ng
 RT: 7.96 min Scan# 999
 Delta R.T. -0.01 min
 Lab File: BF116447.D
 Acq: 20 Aug 2019 23:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
162	100		
164	64.3	45.1	85.1
98	34.9	15.8	55.8

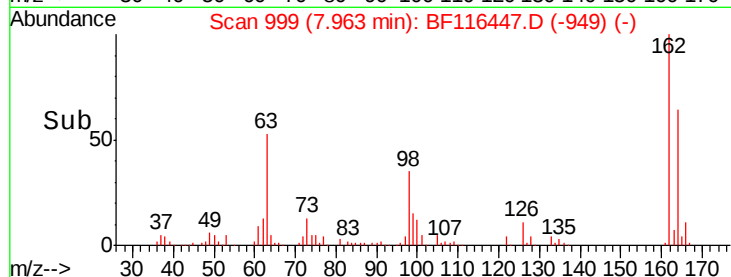
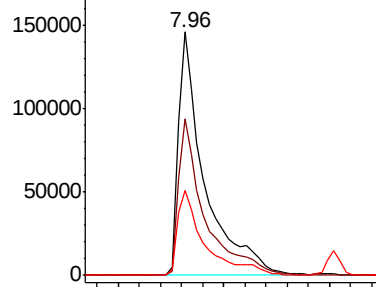


Abundance

Ion 162.00 (161.70 to 162.70): E

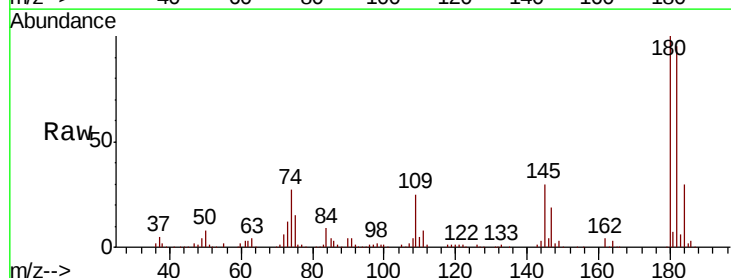
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30
 1,2,4-Trichlorobenzene
 Concen: 49.965 ng
 RT: 8.03 min Scan# 1010
 Delta R.T. -0.02 min
 Lab File: BF116447.D
 Acq: 20 Aug 2019 23:07

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	75.7	113.5
145	29.9	24.3	36.5

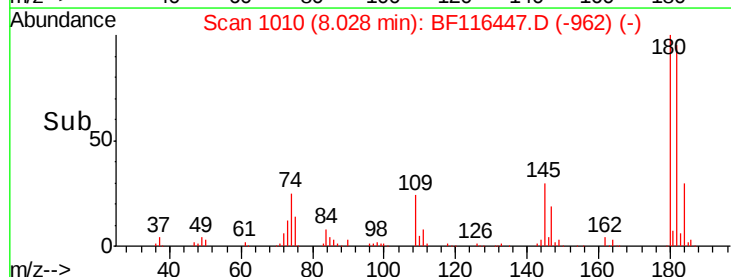
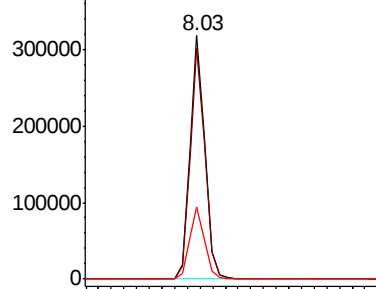


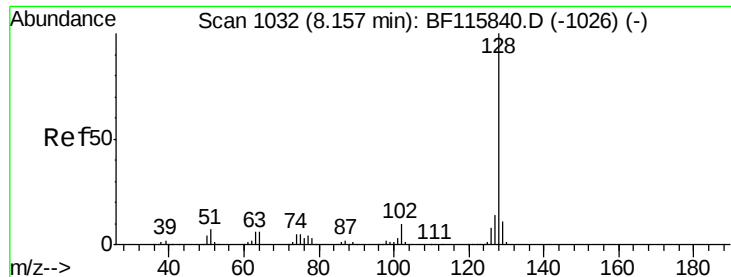
Abundance

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

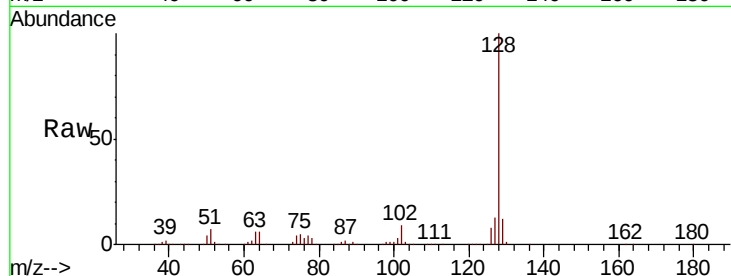




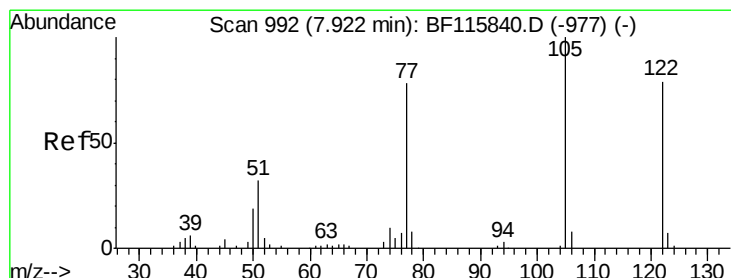
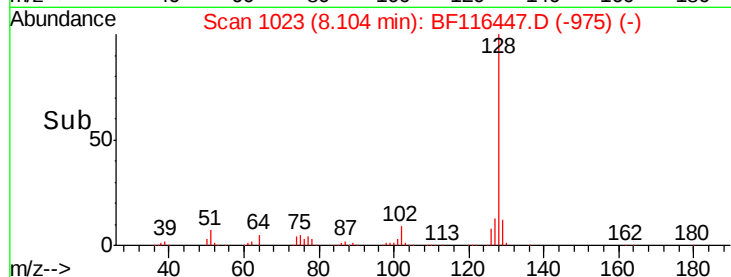
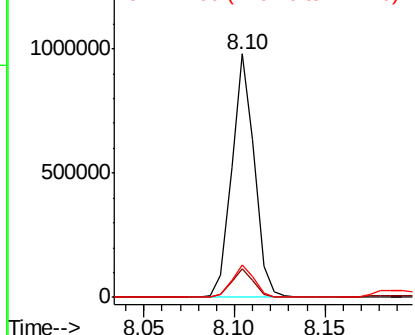
#31
Naphthalene
Concen: 54.570 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.02 min
Lab File: BF116447.D
Acq: 20 Aug 2019 23:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:128 Resp: 848875
Ion Ratio Lower Upper
128 100
129 11.6 9.3 13.9
127 13.3 11.4 17.0

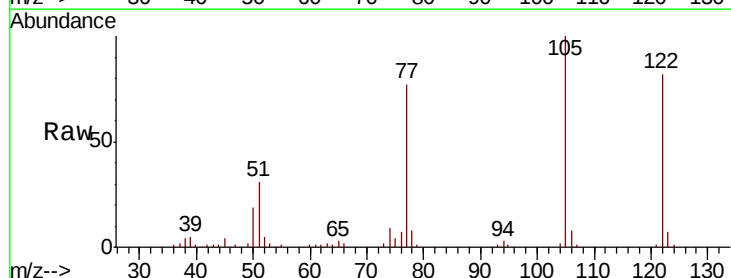


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

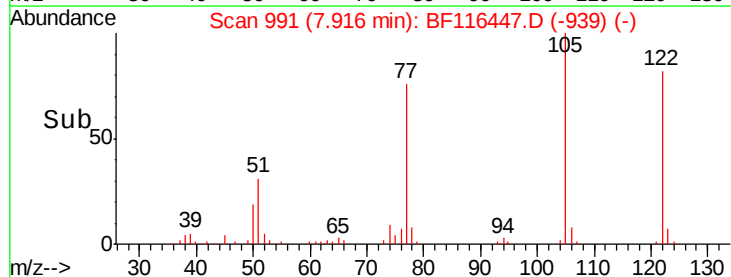
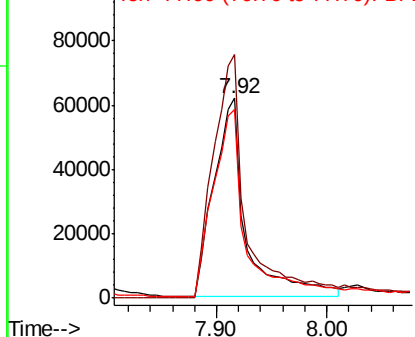


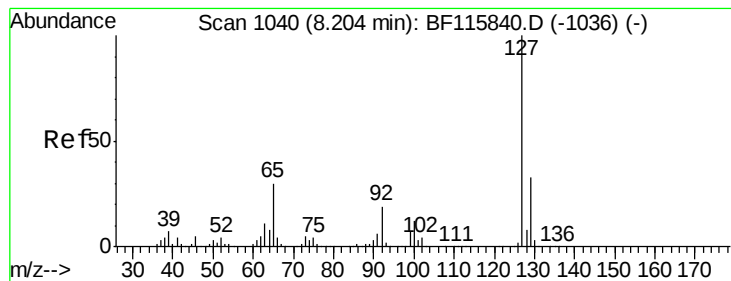
#32
Benzoic acid
Concen: 40.666 ng
RT: 7.92 min Scan# 991
Delta R.T. 0.01 min
Lab File: BF116447.D
Acq: 20 Aug 2019 23:07

Tgt Ion:122 Resp: 125730
Ion Ratio Lower Upper
122 100
105 121.9 106.1 146.1
77 94.4 76.7 116.7



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: 9.531 ng

RT: 8.19 min Scan# 1037

Delta R.T. 0.01 min

Lab File: BF116447.D

Acq: 20 Aug 2019 23:07

Instrument :

BNA_F

ClientSampleId :

Tot Ion:127 Resp: 66244

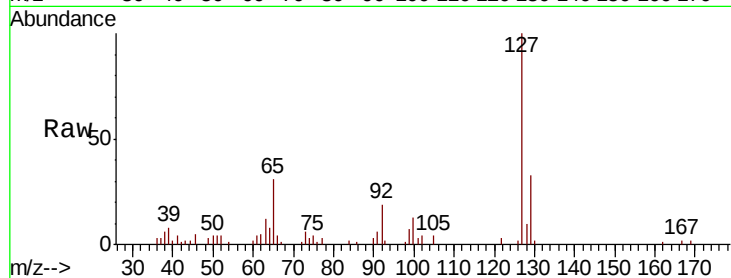
Ion Ratio Lower Upper

127 100

129 32.9 26.1 39.1

65 31.0 24.9 37.3

92 19.3 15.7 23.5

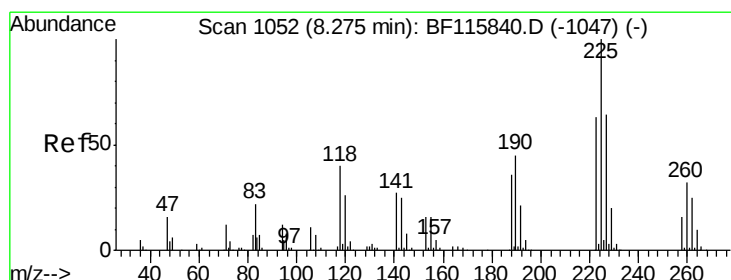
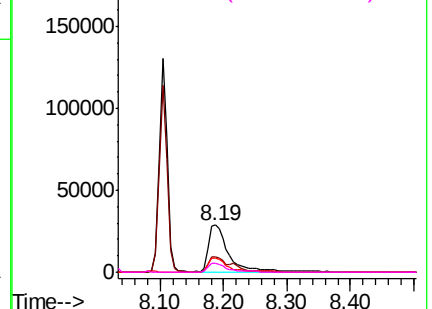
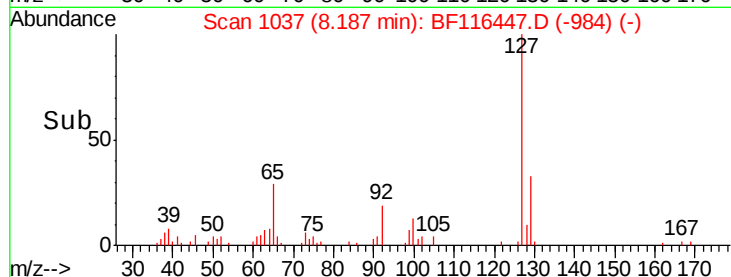


Abundance Ion 127.00 (126.70 to 127.70): E

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: 48.570 ng

RT: 8.22 min Scan# 1042

Delta R.T. -0.02 min

Lab File: BF116447.D

Acq: 20 Aug 2019 23:07

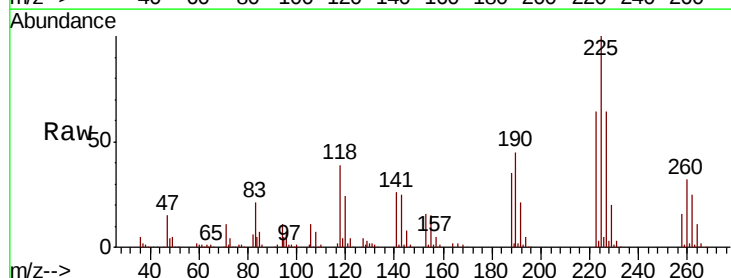
Tgt Ion:225 Resp: 147659

Ion Ratio Lower Upper

225 100

223 64.1 50.0 75.0

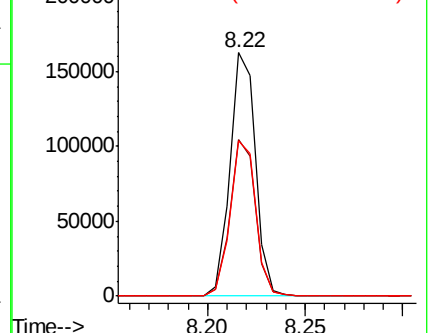
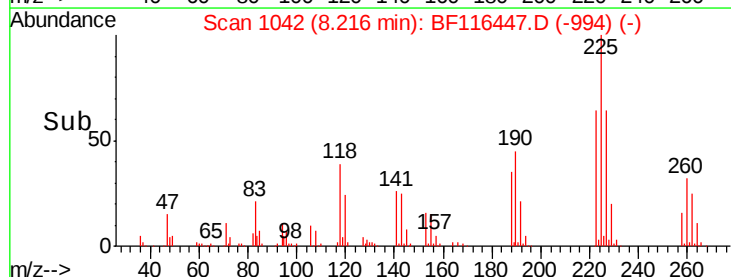
227 63.8 51.0 76.4

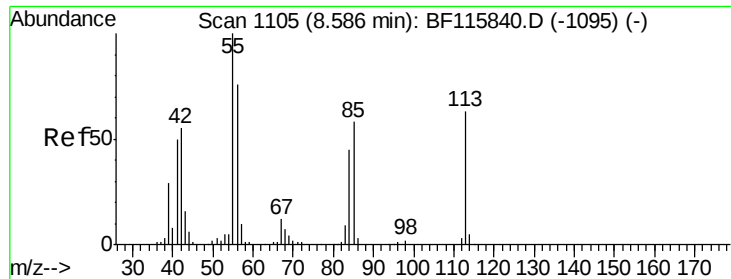


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

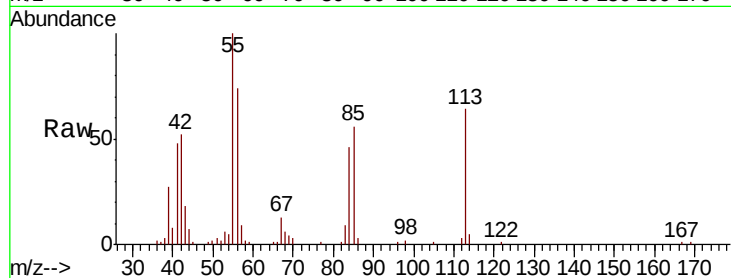




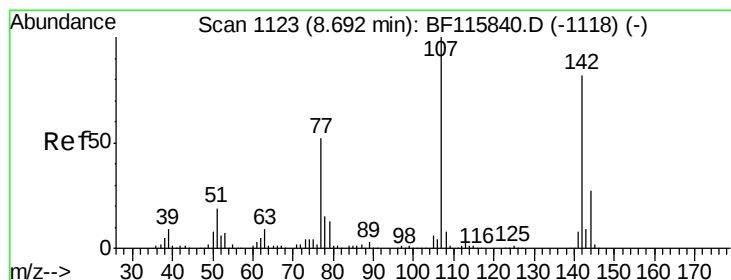
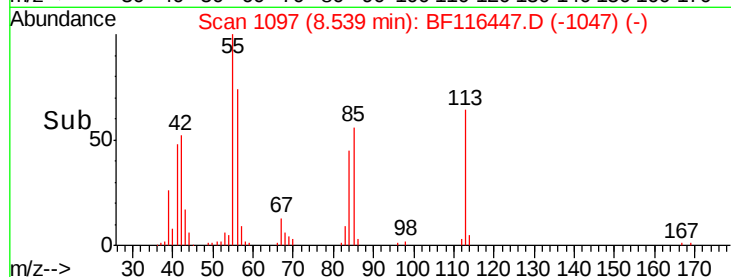
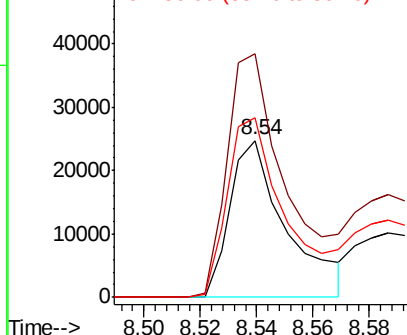
#35
Caprolactam
Concen: 22.828 ng
RT: 8.54 min Scan# 1097
Delta R.T. -0.01 min
Lab File: BF116447.D
Acq: 20 Aug 2019 23:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:113 Resp: 34186
Ion Ratio Lower Upper
113 100
55 155.1 144.3 184.3
56 114.3 97.1 137.1

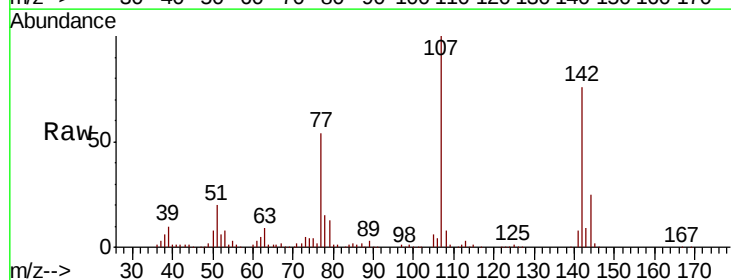


Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF1
Ion 56.00 (55.70 to 56.70): BF1

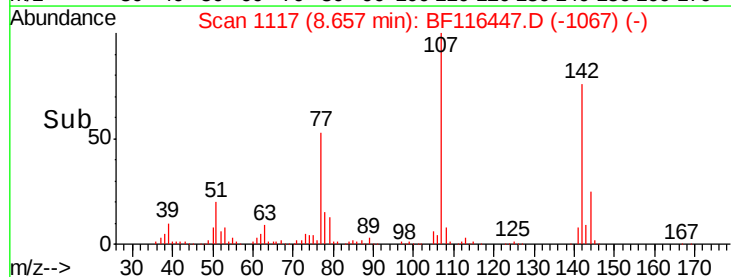
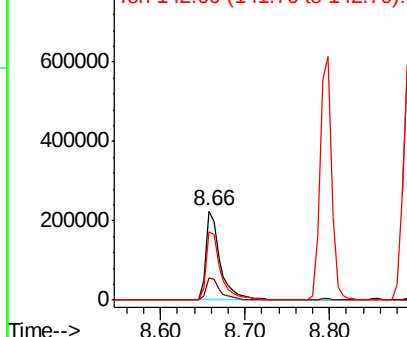


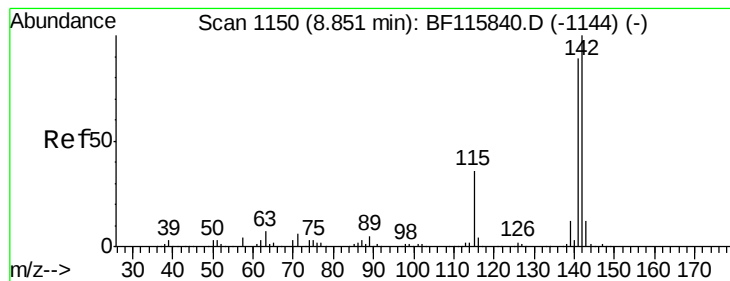
#36
4-Chloro-3-methylphenol
Concen: 55.512 ng
RT: 8.66 min Scan# 1117
Delta R.T. -0.01 min
Lab File: BF116447.D
Acq: 20 Aug 2019 23:07

Tgt Ion:107 Resp: 267400
Ion Ratio Lower Upper
107 100
144 25.0 20.2 30.2
142 76.3 61.7 92.5



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: 55.335 ng

RT: 8.80 min Scan# 1141

Delta R.T. -0.01 min

Lab File: BF116447.D

Acq: 20 Aug 2019 23:07

Instrument :

BNA_F

ClientSampleId :

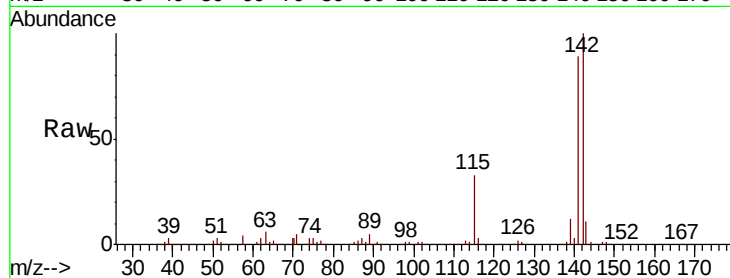
Tot Ion:142 Resp: 566893

Ion Ratio Lower Upper

142 100

141 88.8 70.9 106.3

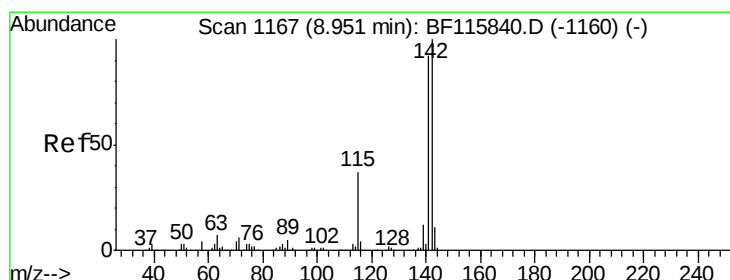
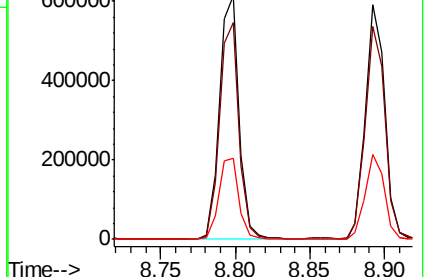
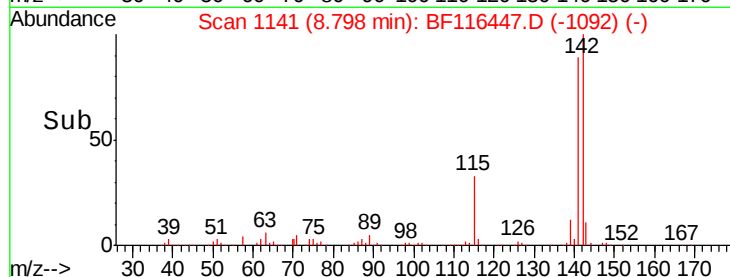
115 33.3 29.0 43.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 54.592 ng

RT: 8.89 min Scan# 1157

Delta R.T. -0.02 min

Lab File: BF116447.D

Acq: 20 Aug 2019 23:07

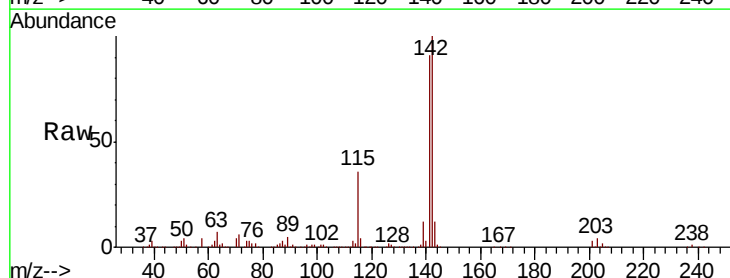
Tgt Ion:142 Resp: 529100

Ion Ratio Lower Upper

142 100

141 90.7 74.4 111.6

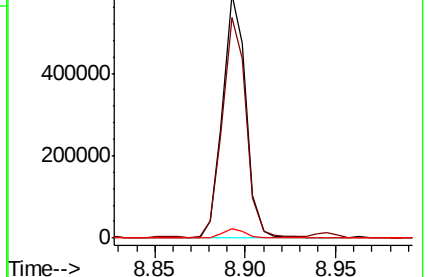
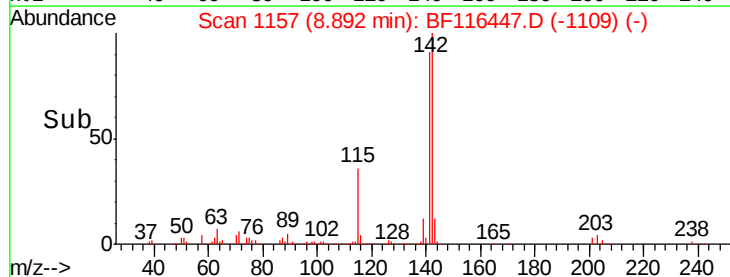
116 3.7 3.1 4.7

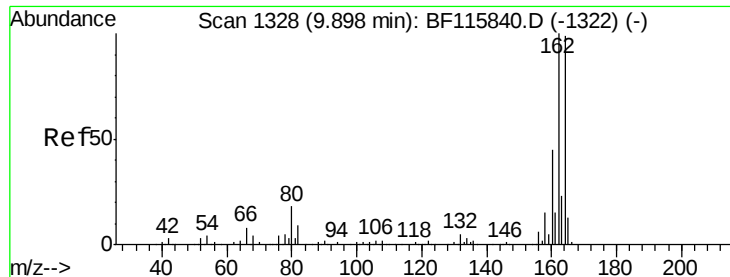


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.02 min

Lab File: BF116447.D

Acq: 20 Aug 2019 23:07

Instrument :

BNA_F

ClientSampled :

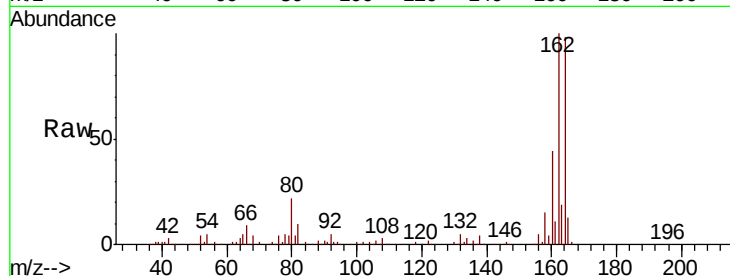
Tot Ion:164 Resp: 181910

Ion Ratio Lower Upper

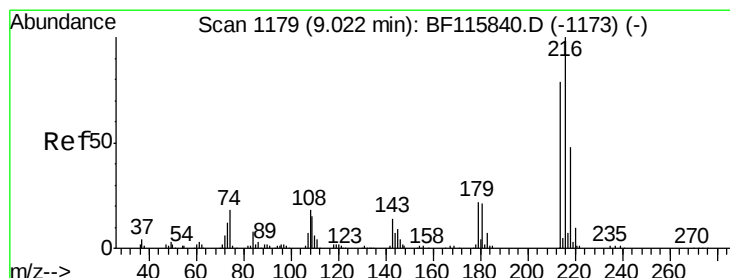
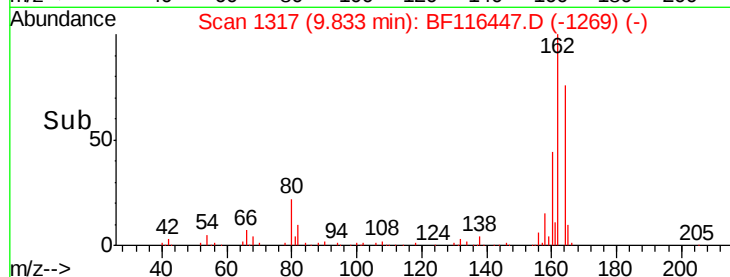
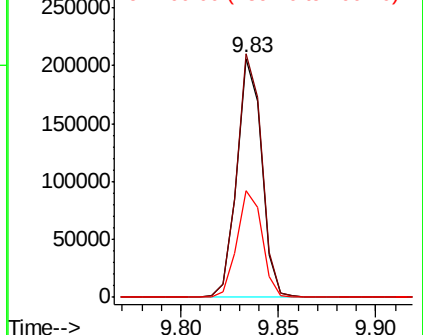
164 100

162 102.0 82.6 124.0

160 44.6 37.6 56.4



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: 53.244 ng

RT: 8.96 min Scan# 1169

Delta R.T. -0.02 min

Lab File: BF116447.D

Acq: 20 Aug 2019 23:07

Tgt Ion:216 Resp: 258935

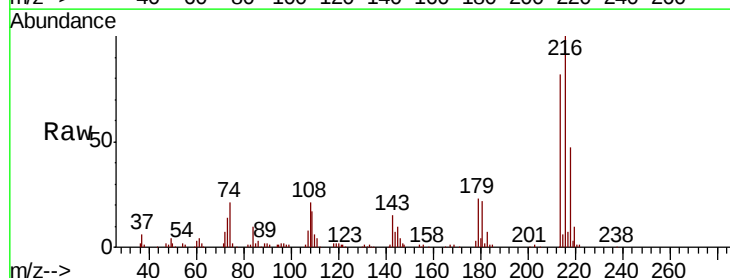
Ion Ratio Lower Upper

216 100

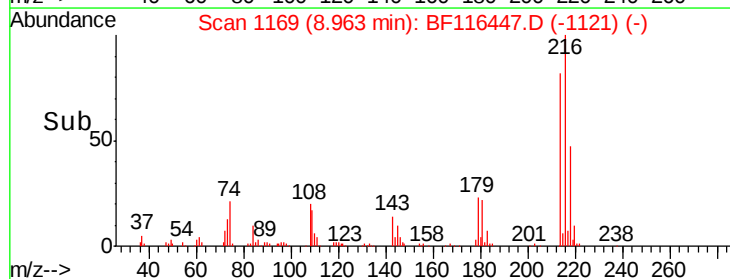
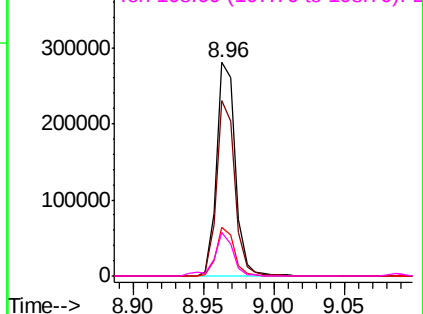
214 79.9 63.6 95.4

179 21.7 17.8 26.8

108 20.2 16.5 24.7



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: 40.059 ng

RT: 8.95 min Scan# 1166

Delta R.T. -0.02 min

Lab File: BF116447.D

Acq: 20 Aug 2019 23:07

Instrument :

BNA_F

ClientSampleId :

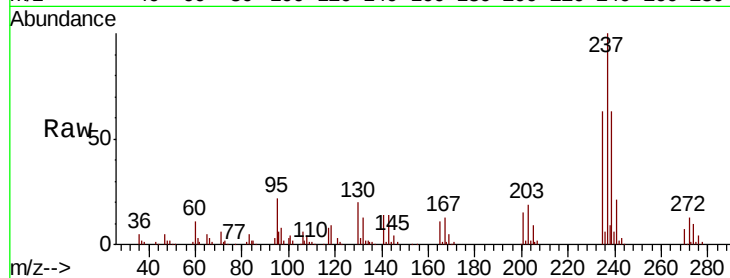
Tot Ion:237 Resp: 80486

Ion Ratio Lower Upper

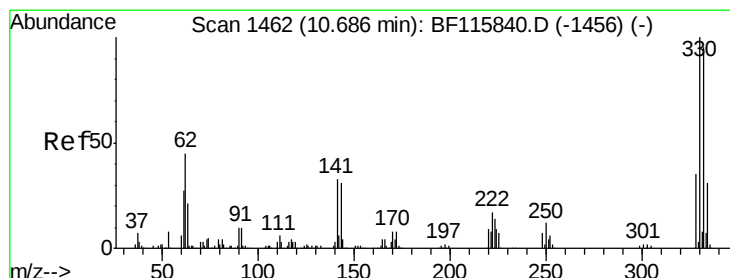
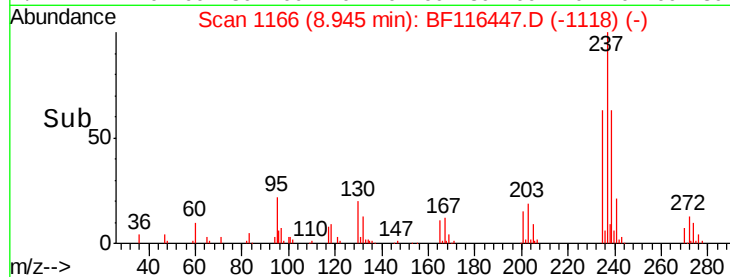
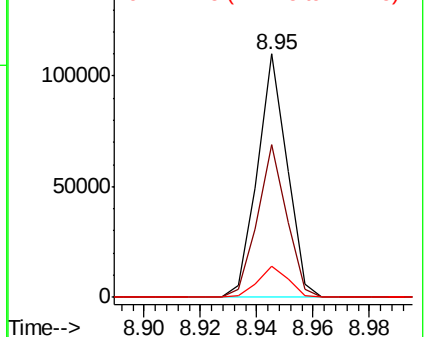
237 100

235 62.6 43.4 83.4

272 13.0 0.0 33.2



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: 158.114 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.01 min

Lab File: BF116447.D

Acq: 20 Aug 2019 23:07

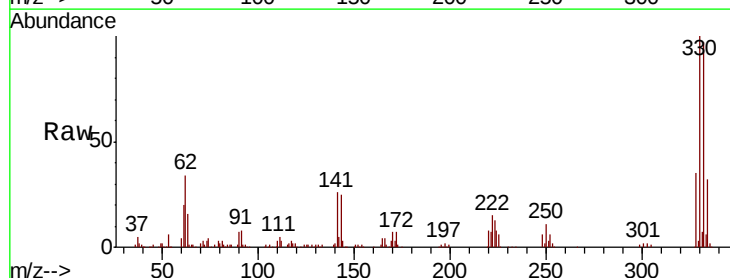
Tgt Ion:330 Resp: 278861

Ion Ratio Lower Upper

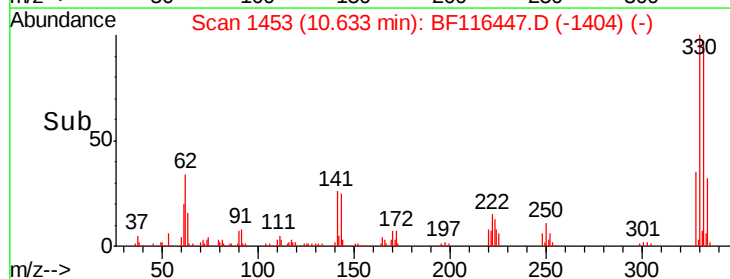
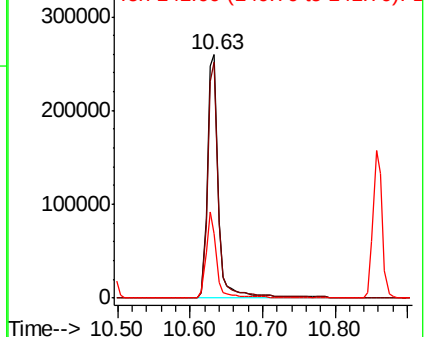
330 100

332 94.4 76.8 115.2

141 32.3 26.3 39.5



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

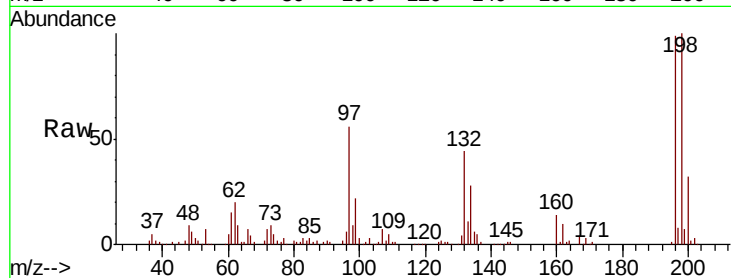




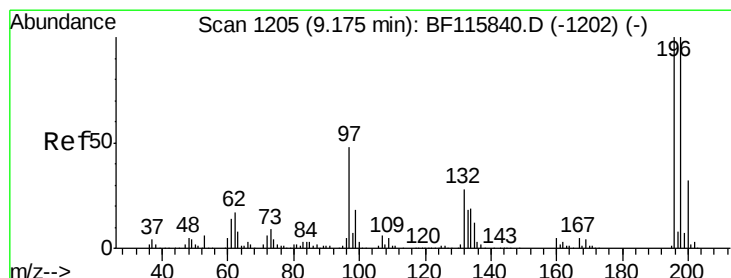
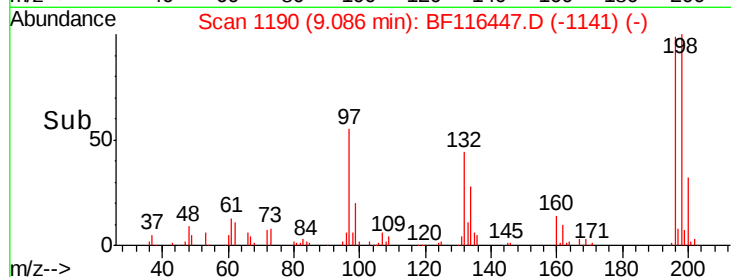
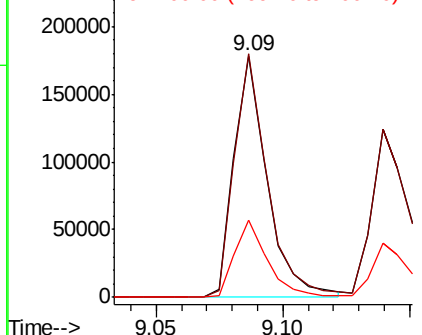
#43
 2,4,6-Trichlorophenol
 Concen: 48.572 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF116447.D
 Acq: 20 Aug 2019 23:07

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:196	Resp:	162589
Ion Ratio	Lower	Upper
196	100	
198	101.0	79.2 118.8
200	32.0	25.2 37.8

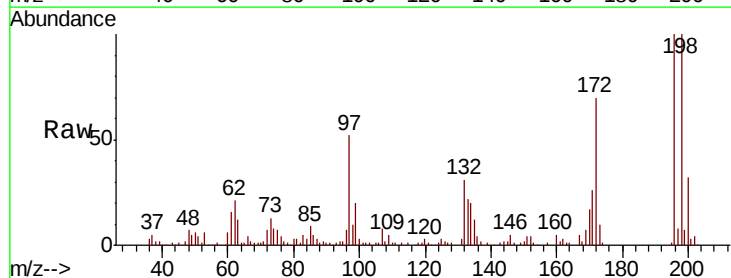


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

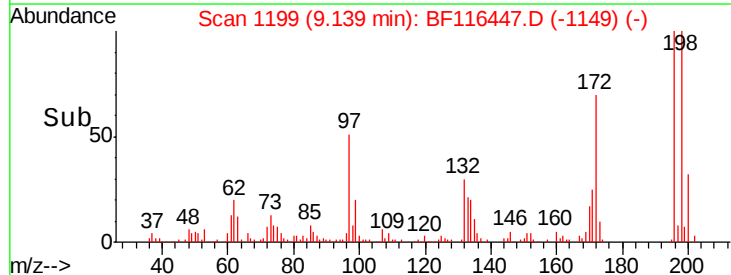
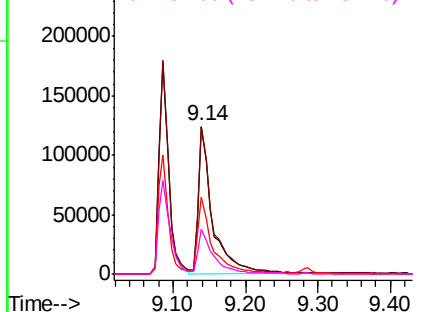


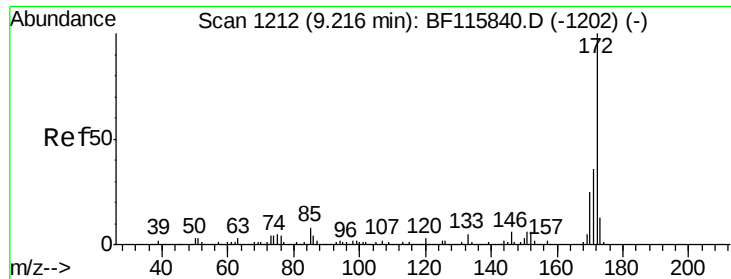
#44
 2,4,5-Trichlorophenol
 Concen: 48.912 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: BF116447.D
 Acq: 20 Aug 2019 23:07

Tgt Ion:196	Resp:	169245
Ion Ratio	Lower	Upper
196	100	
198	100.1	78.8 118.2
97	52.1	42.2 63.4
132	30.7	24.0 36.0



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

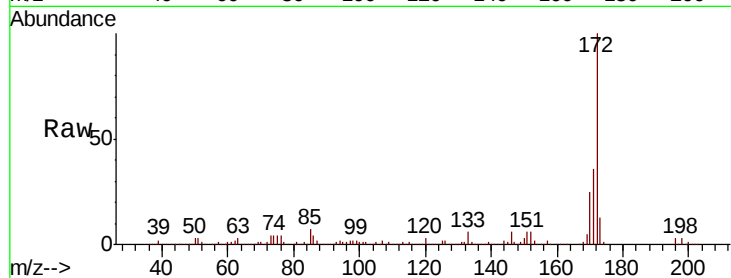




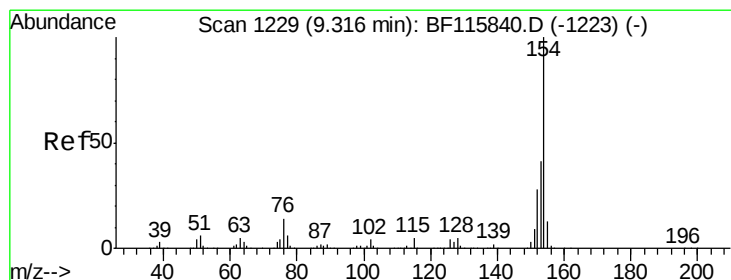
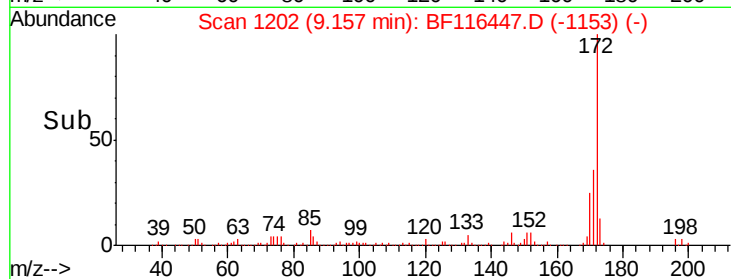
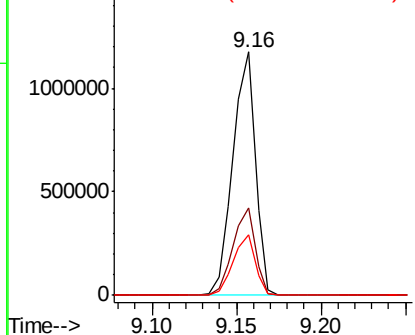
#45
 2-Fluorobiphenyl
 Concen: 112.258 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF116447.D
 Acq: 20 Aug 2019 23:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1090232
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.6 44.4
 170 24.9 20.1 30.1

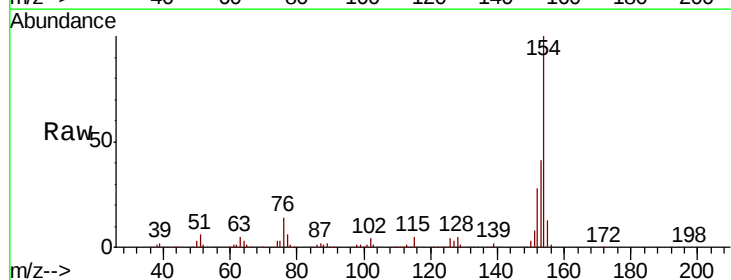


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

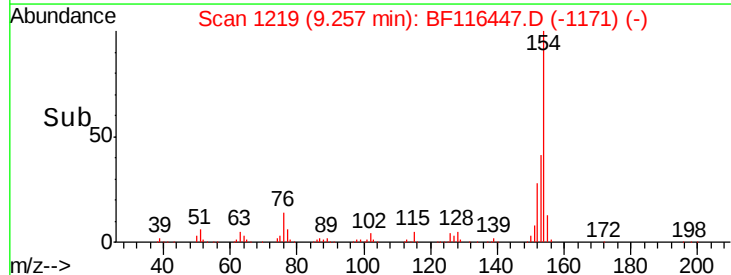
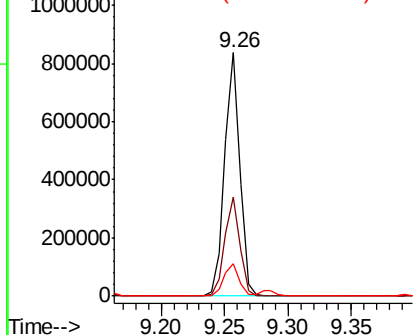


#46
 1,1'-Biphenyl
 Concen: 54.577 ng
 RT: 9.26 min Scan# 1219
 Delta R.T. -0.02 min
 Lab File: BF116447.D
 Acq: 20 Aug 2019 23:07

Tgt Ion:154 Resp: 700920
 Ion Ratio Lower Upper
 154 100
 153 40.7 21.4 61.4
 76 13.5 0.0 35.2



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF1

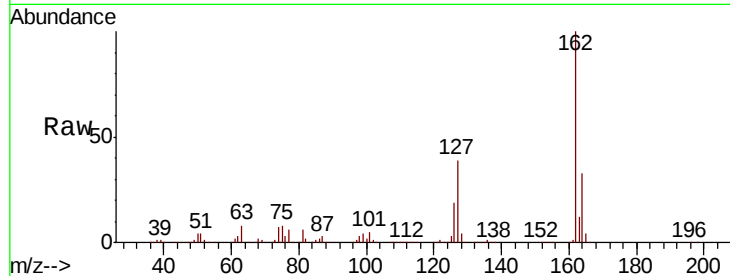




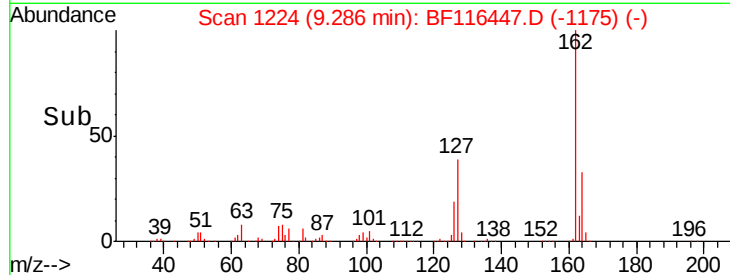
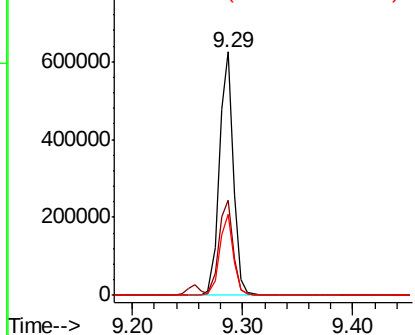
#47
 2-Chloronaphthalene
 Concen: 51.297 ng
 RT: 9.29 min Scan# 1224
 Delta R.T. -0.01 min
 Lab File: BF116447.D
 Acq: 20 Aug 2019 23:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
162	100		
127	39.3	32.8	49.2
164	33.1	26.6	39.8

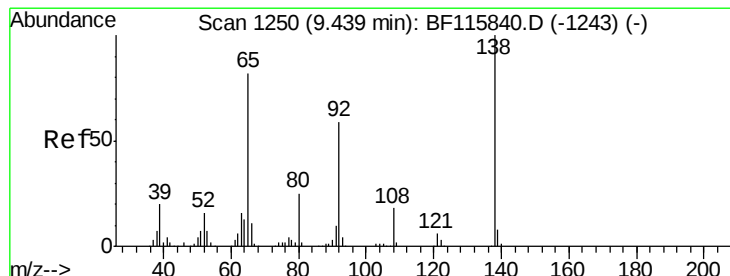


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

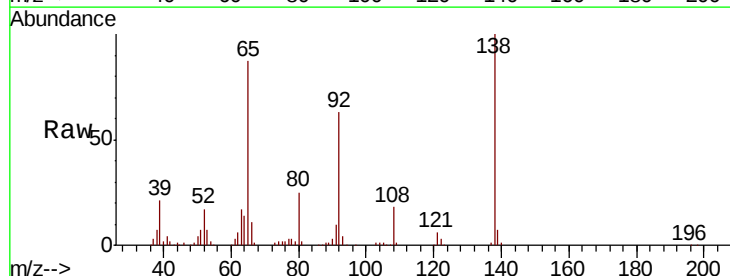
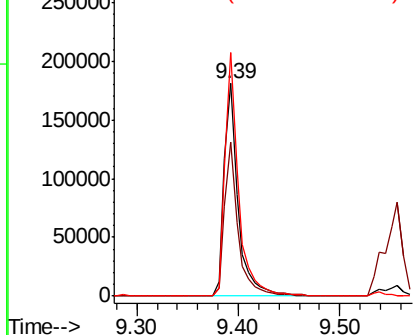


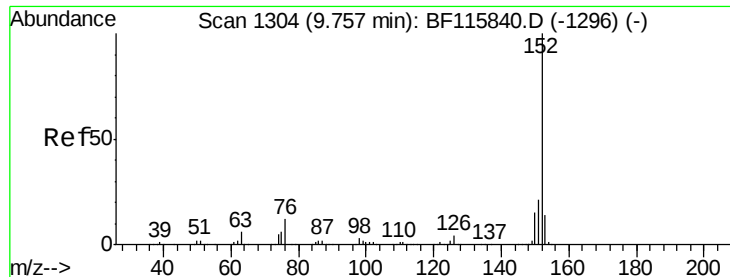
#48
 2-Nitroaniline
 Concen: 49.150 ng
 RT: 9.39 min Scan# 1242
 Delta R.T. -0.01 min
 Lab File: BF116447.D
 Acq: 20 Aug 2019 23:07

Tgt Ion	Ratio	Lower	Upper
65	100		
92	72.1	57.8	86.8
138	114.4	94.0	141.0



Abundance Ion 65.00 (64.70 to 65.70): BF1
 Ion 92.00 (91.70 to 92.70): BF1
 Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 53.211 ng

RT: 9.70 min Scan# 1294

Delta R.T. -0.02 min

Lab File: BF116447.D

Acq: 20 Aug 2019 23:07

Instrument :

BNA_F

ClientSampleId :

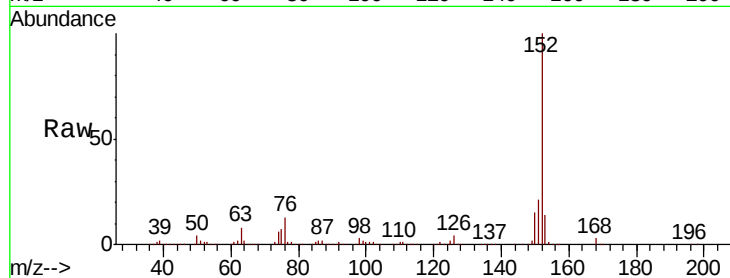
Tot Ion:152 Resp: 829783

Ion Ratio Lower Upper

152 100

151 20.8 17.2 25.8

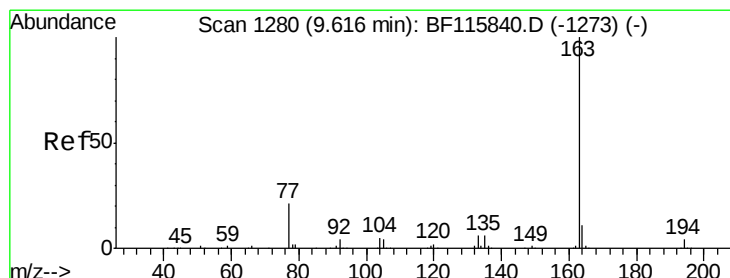
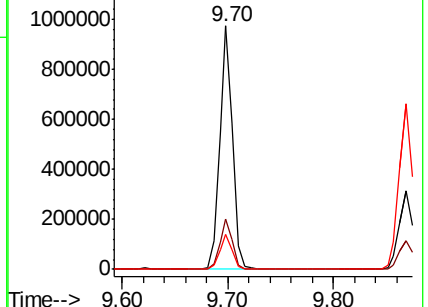
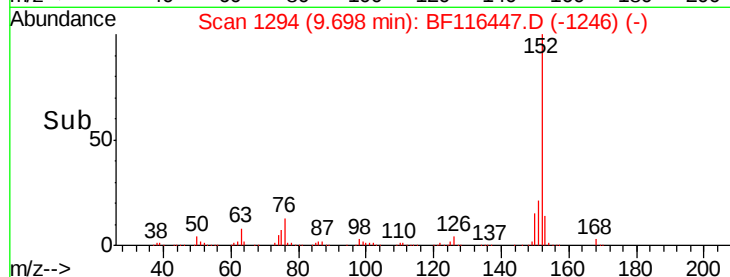
153 14.3 11.8 17.8



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: 54.922 ng

RT: 9.56 min Scan# 1270

Delta R.T. -0.01 min

Lab File: BF116447.D

Acq: 20 Aug 2019 23:07

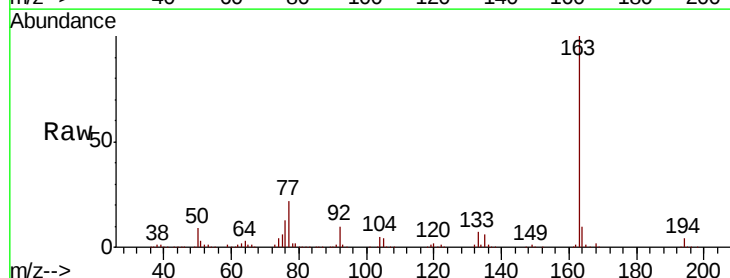
Tgt Ion:163 Resp: 680271

Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.6

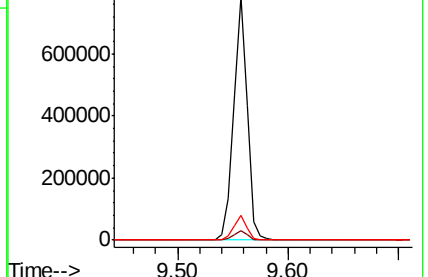
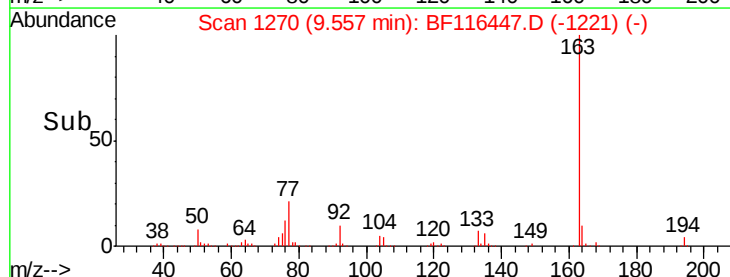
164 10.4 8.4 12.6



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: 53.996 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.01 min

Lab File: BF116447.D

Acq: 20 Aug 2019 23:07

Instrument :

BNA_F

ClientSampled :

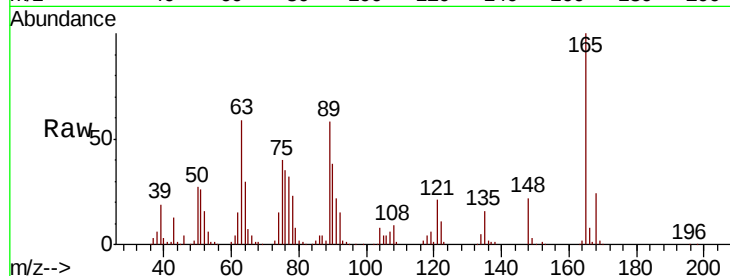
Tot Ion:165 Resp: 145341

Ion Ratio Lower Upper

165 100

63 59.2 38.2 57.2#

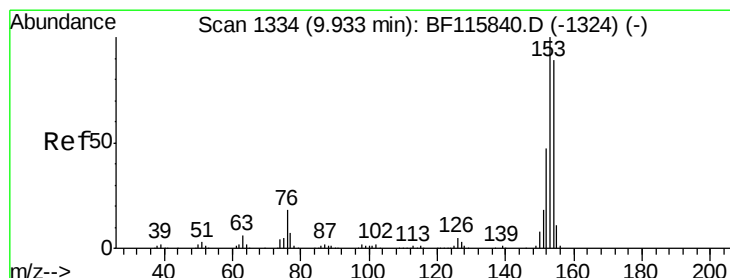
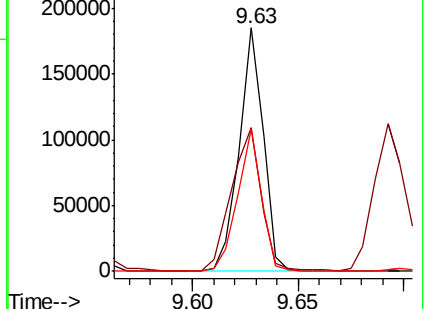
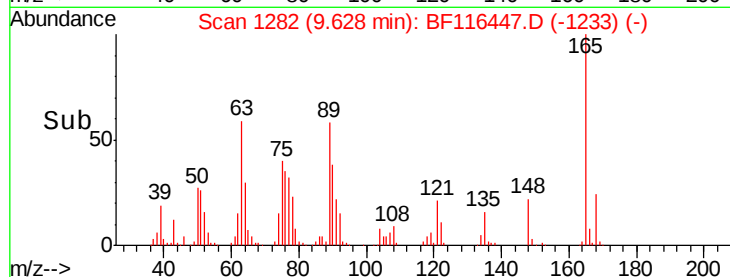
89 58.3 42.9 64.3



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: 53.263 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.02 min

Lab File: BF116447.D

Acq: 20 Aug 2019 23:07

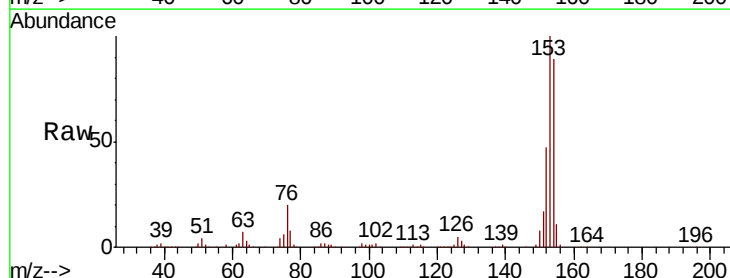
Tgt Ion:154 Resp: 509556

Ion Ratio Lower Upper

154 100

153 112.1 89.4 134.0

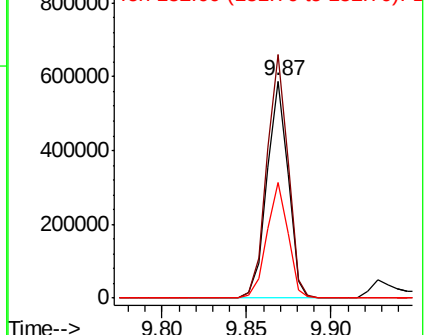
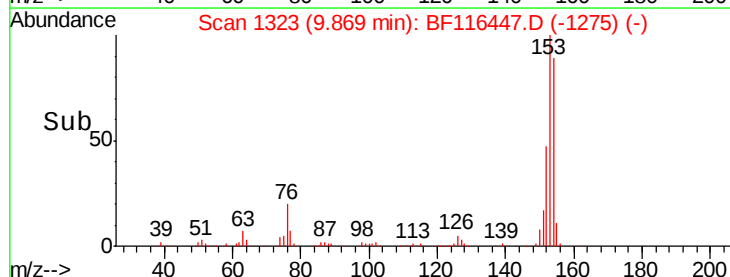
152 53.1 42.3 63.5

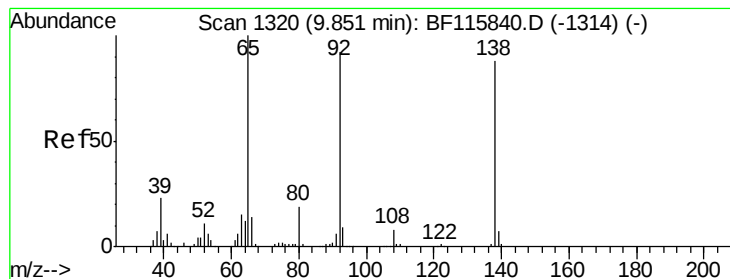


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#53

3-Nitroaniline

Concen: 12.500 ng

RT: 9.82 min Scan# 1314

Delta R.T. 0.00 min

Lab File: BF116447.D

Acq: 20 Aug 2019 23:07

Instrument :

BNA_F

ClientSampleId :

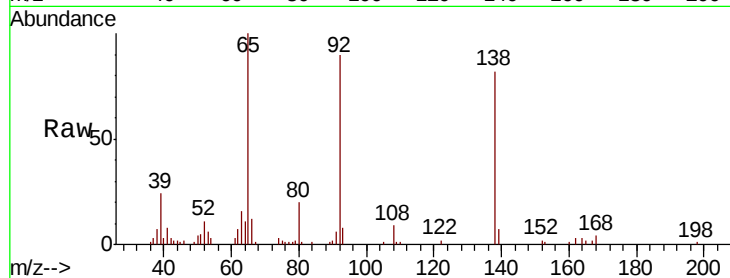
Tot Ion:138 Resp: 41573

Ion Ratio Lower Upper

138 100

108 10.6 8.0 12.0

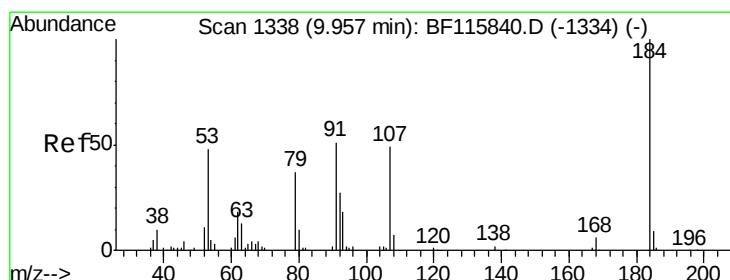
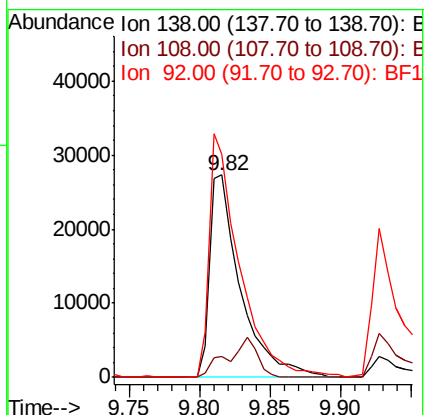
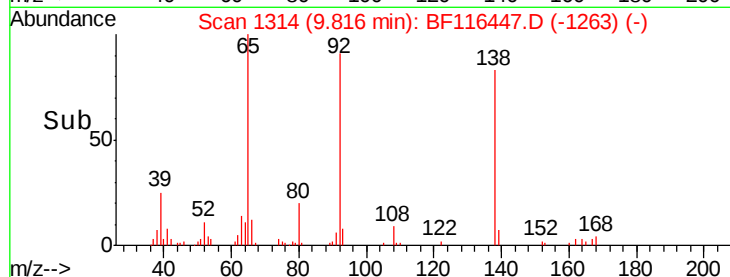
92 110.2 91.0 136.6



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#54

2,4-Dinitrophenol

Concen: 84.077 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.02 min

Lab File: BF116447.D

Acq: 20 Aug 2019 23:07

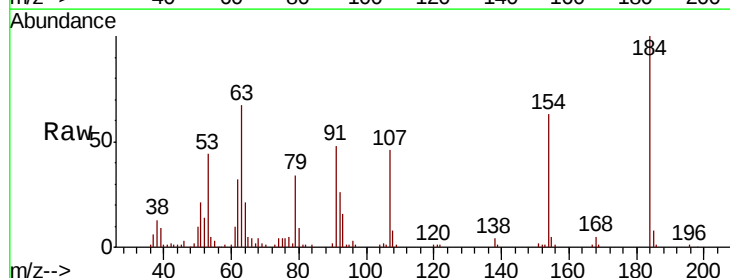
Tgt Ion:184 Resp: 115709

Ion Ratio Lower Upper

184 100

63 66.9 53.0 79.4

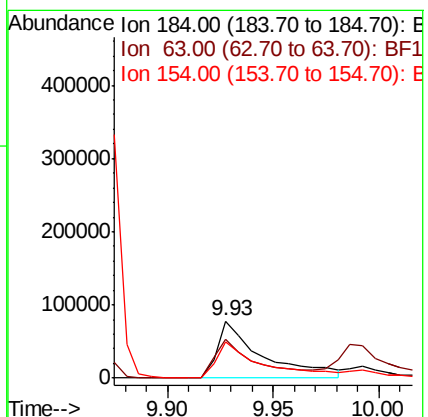
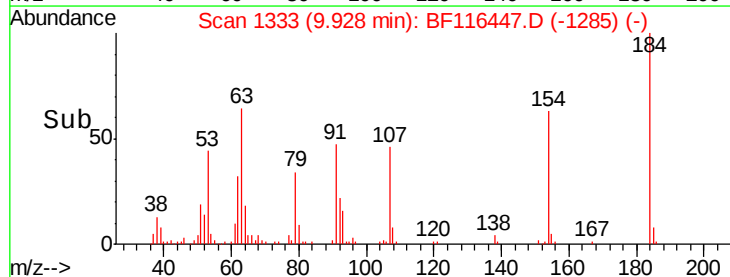
154 62.8 50.1 75.1

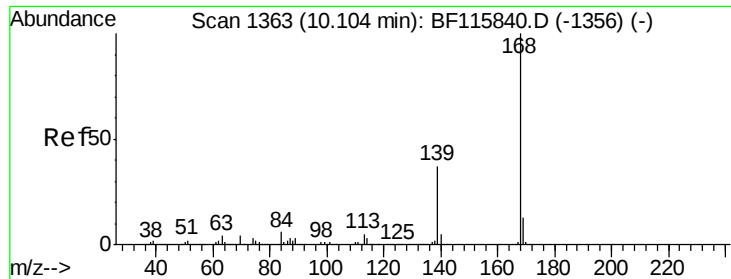


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





#55

Dibenzofuran

Concen: 52.603 ng

RT: 10.05 min Scan# 1353

Delta R.T. -0.01 min

Lab File: BF116447.D

Acq: 20 Aug 2019 23:07

Instrument :

BNA_F

ClientSampleId :

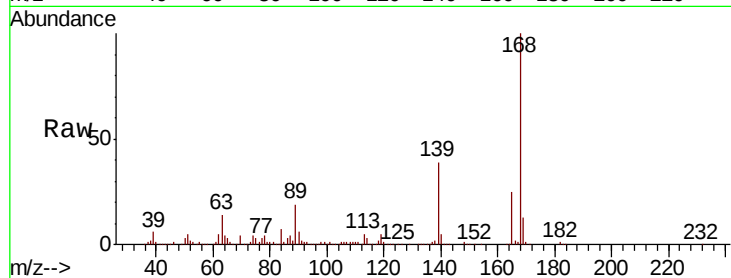
Tot Ion:168 Resp: 731854

Ion Ratio Lower Upper

168 100

139 39.0 31.4 47.2

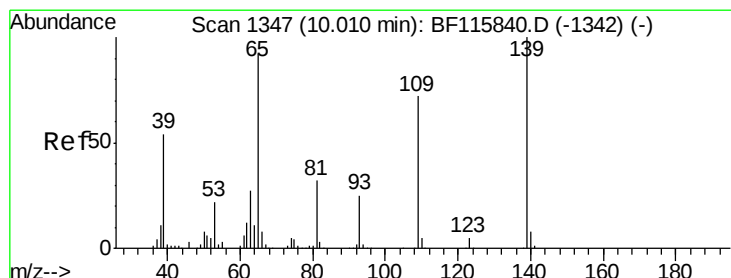
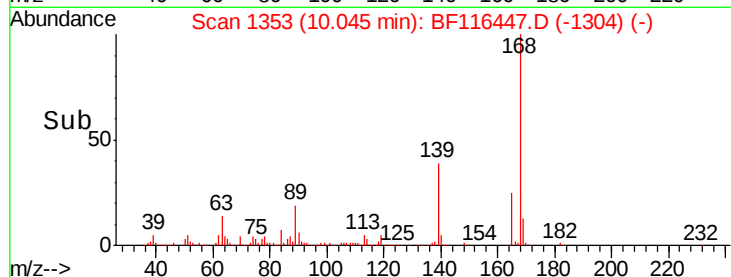
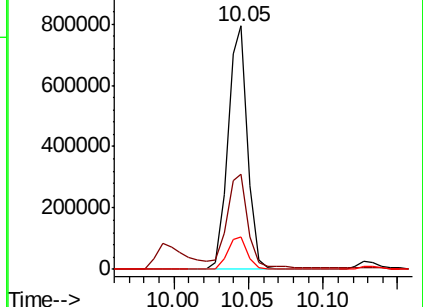
169 13.3 10.9 16.3



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 56.750 ng

RT: 9.99 min Scan# 1344

Delta R.T. 0.00 min

Lab File: BF116447.D

Acq: 20 Aug 2019 23:07

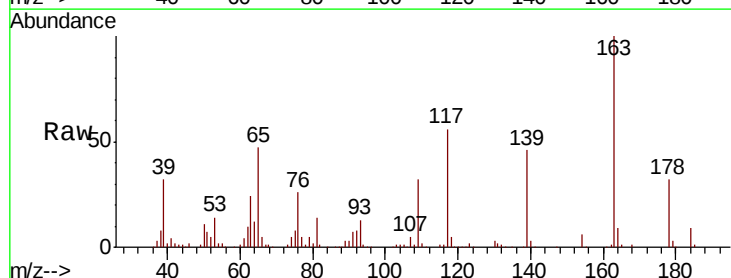
Tgt Ion:139 Resp: 120911

Ion Ratio Lower Upper

139 100

109 68.4 54.4 94.4

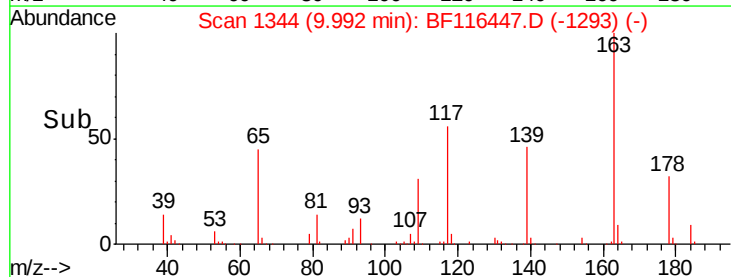
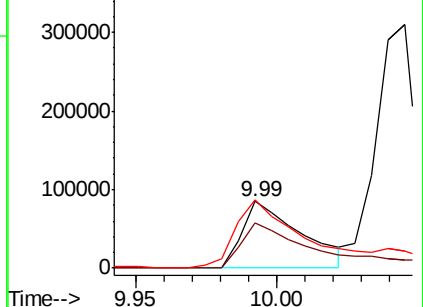
65 102.0 80.6 120.6

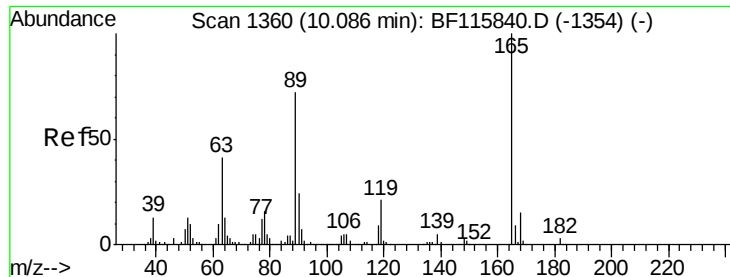


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1





#57

2,4-Dinitrotoluene

Concen: 52.289 ng

RT: 10.05 min Scan# 1353

Delta R.T. -0.01 min

Lab File: BF116447.D

Acq: 20 Aug 2019 23:07

Instrument :

BNA_F

ClientSampled :

Tot Ion:165 Resp: 187393

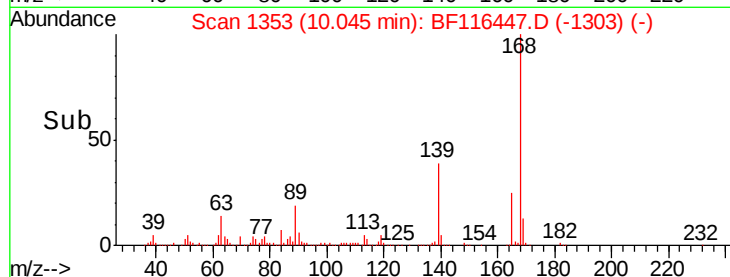
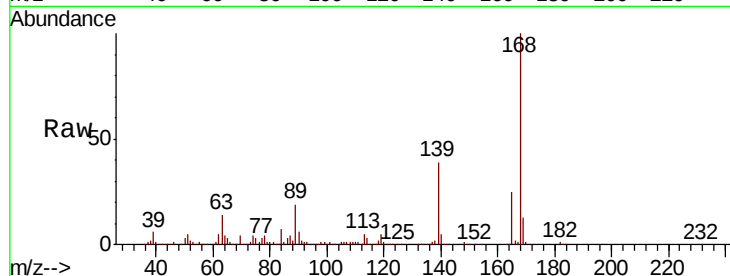
Ion Ratio Lower Upper

165 100

63 57.7 39.6 59.4

89 79.0 62.2 93.2

182 2.7 2.1 3.1

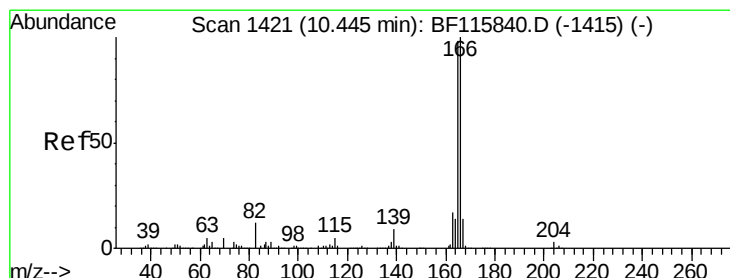
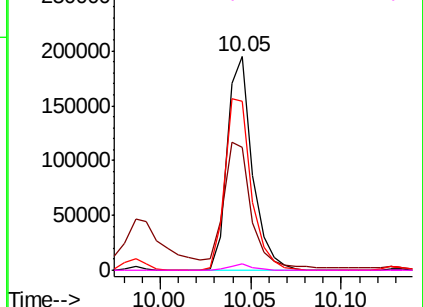


Abundance Ion 165.00 (164.70 to 165.70): E

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: 57.057 ng

RT: 10.39 min Scan# 1411

Delta R.T. -0.01 min

Lab File: BF116447.D

Acq: 20 Aug 2019 23:07

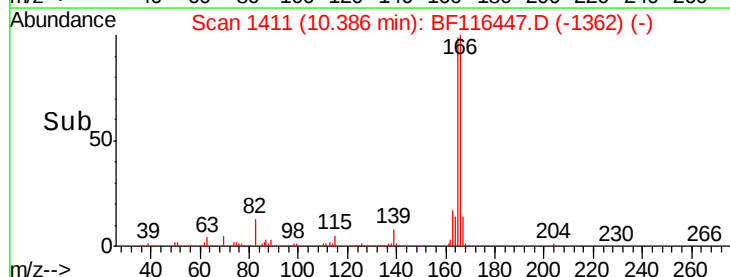
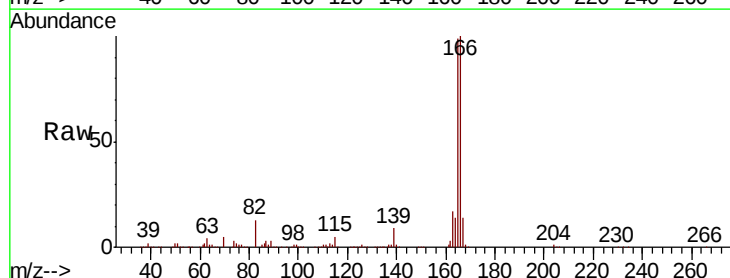
Tgt Ion:166 Resp: 610744

Ion Ratio Lower Upper

166 100

165 98.7 78.4 117.6

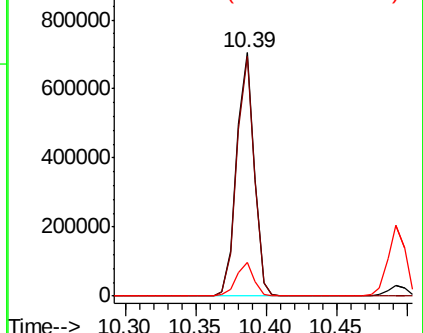
167 13.8 11.0 16.4

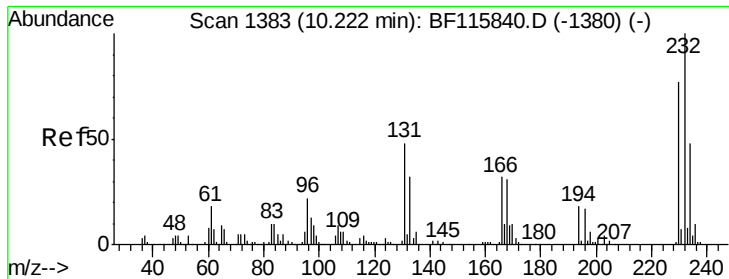


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

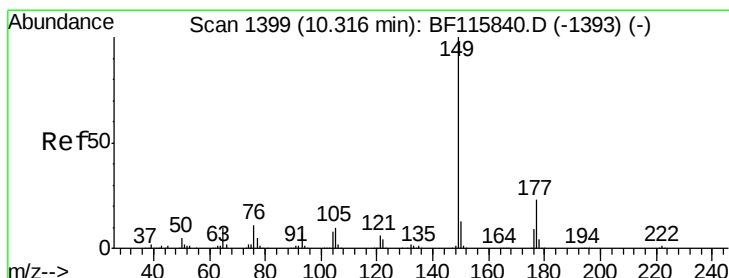
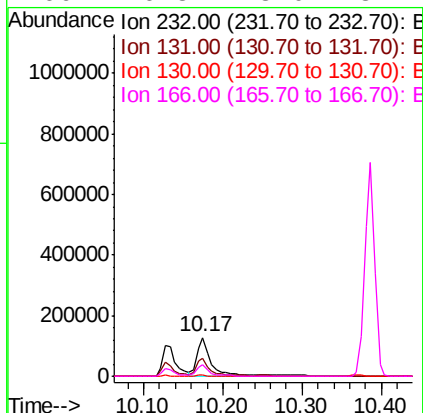
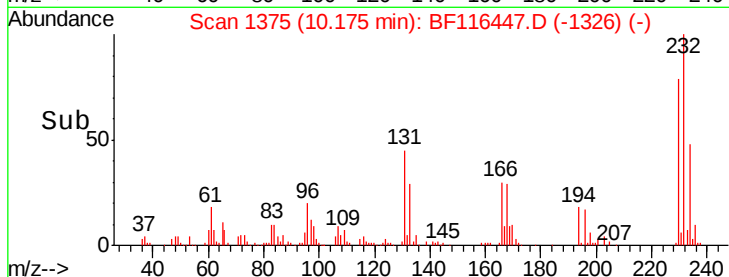
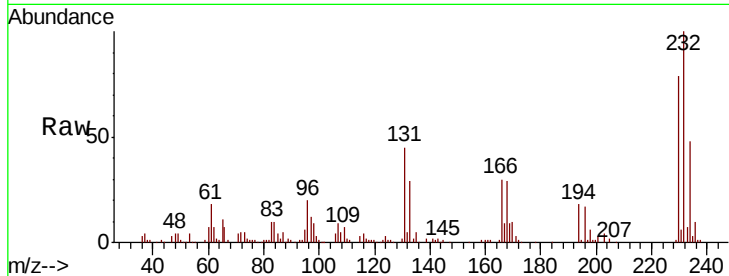




#59
 2,3,4,6-Tetrachlorophenol
 Concen: 54.965 ng
 RT: 10.17 min Scan# 1375
 Delta R.T. -0.01 min
 Lab File: BF116447.D
 Acq: 20 Aug 2019 23:07

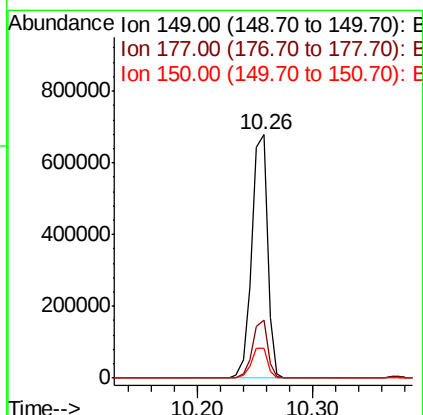
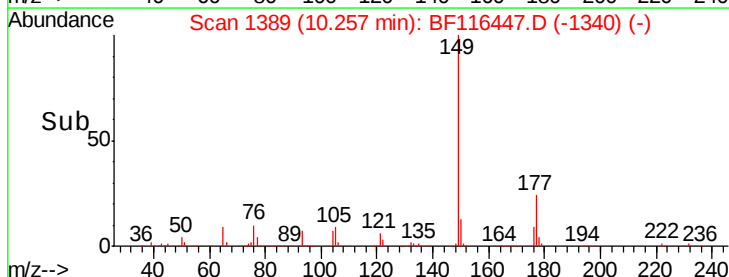
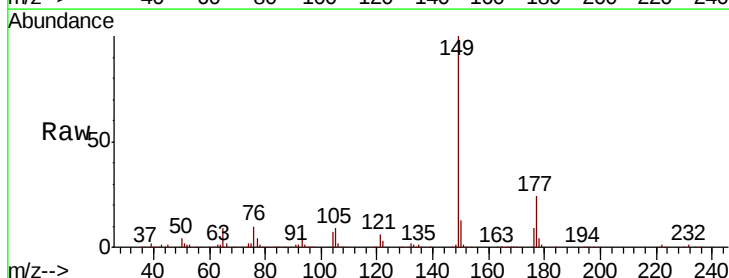
Instrument :
 BNA_F
 ClientSampleId :

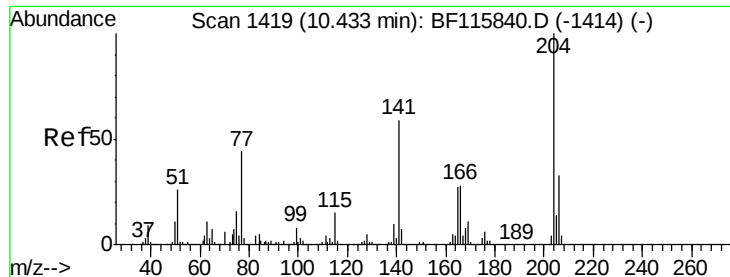
Tot Ion:232	Resp:	160011
Ion Ratio	Lower	Upper
232	100	
131	41.4	36.2 54.2
130	2.3	1.9 2.9
166	26.8	23.0 34.4



#60
 Diethylphthalate
 Concen: 55.796 ng
 RT: 10.26 min Scan# 1389
 Delta R.T. -0.01 min
 Lab File: BF116447.D
 Acq: 20 Aug 2019 23:07

Tgt Ion:149	Resp:	645216
Ion Ratio	Lower	Upper
149	100	
177	23.8	18.8 28.2
150	12.5	10.2 15.4

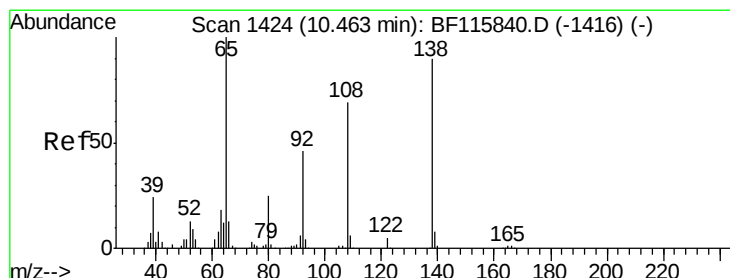
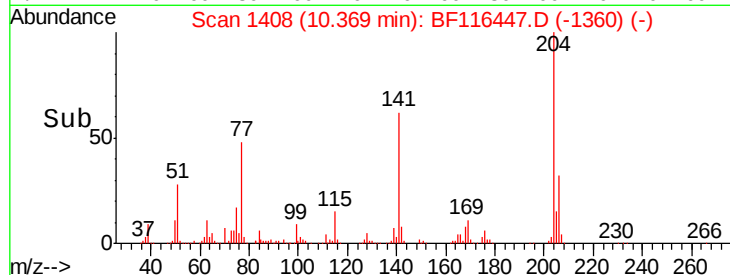
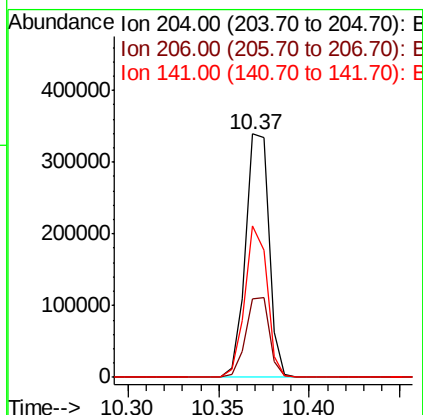
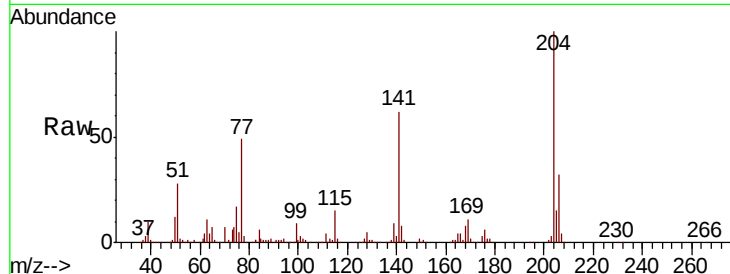




#61
 4-Chlorophenyl-phenylether
 Concen: 56.457 ng
 RT: 10.37 min Scan# 1408
 Delta R.T. -0.02 min
 Lab File: BF116447.D
 Acq: 20 Aug 2019 23:07

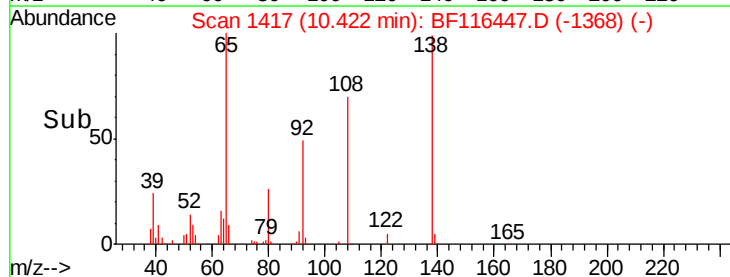
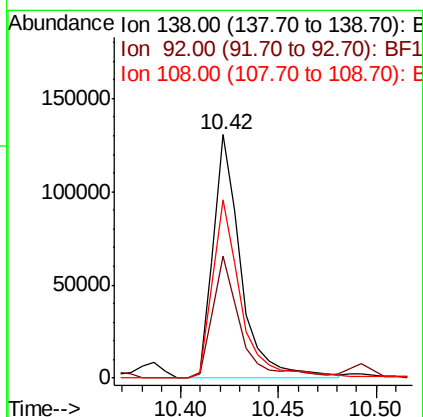
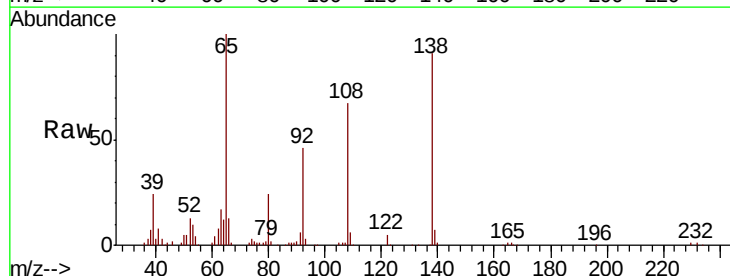
Instrument :
 BNA_F
 ClientSampled :

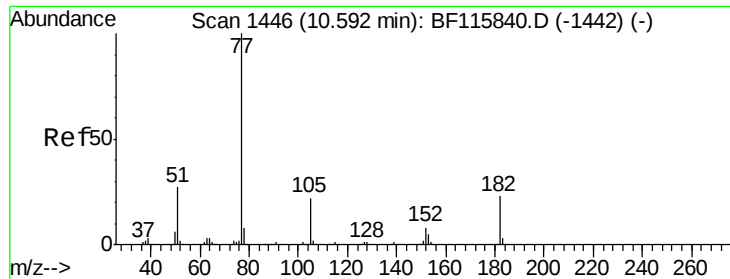
Tot Ion	Ratio	Lower	Upper
204	100		
206	32.3	26.4	39.6
141	62.3	46.4	69.6



#62
 4-Nitroaniline
 Concen: 37.661 ng
 RT: 10.42 min Scan# 1417
 Delta R.T. -0.01 min
 Lab File: BF116447.D
 Acq: 20 Aug 2019 23:07

Tgt Ion	Ratio	Lower	Upper
138	100		
92	50.2	29.0	69.0
108	73.2	54.7	94.7





#63

Azobenzene

Concen: 55.368 ng

RT: 10.53 min Scan# 1436

Delta R.T. -0.02 min

Lab File: BF116447.D

Acq: 20 Aug 2019 23:07

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 658562

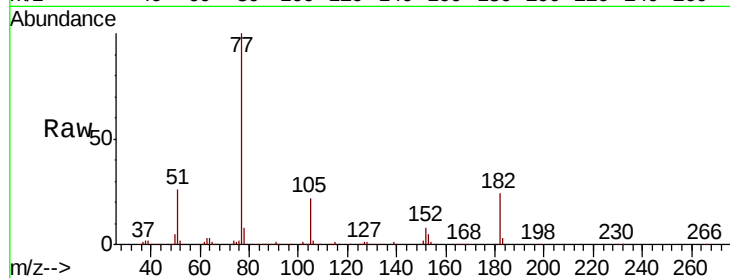
Ion Ratio Lower Upper

77 100

182 24.2 4.0 44.0

105 22.2 2.0 42.0

51 26.2 7.5 47.5

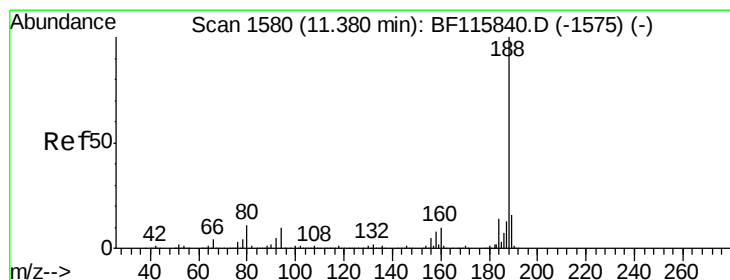
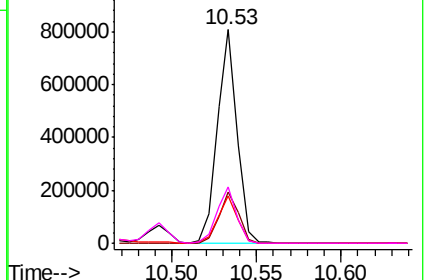
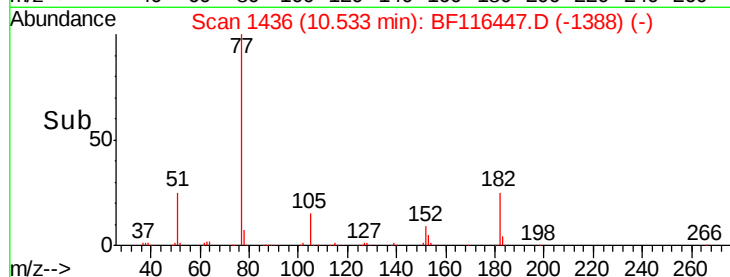


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1570

Delta R.T. -0.02 min

Lab File: BF116447.D

Acq: 20 Aug 2019 23:07

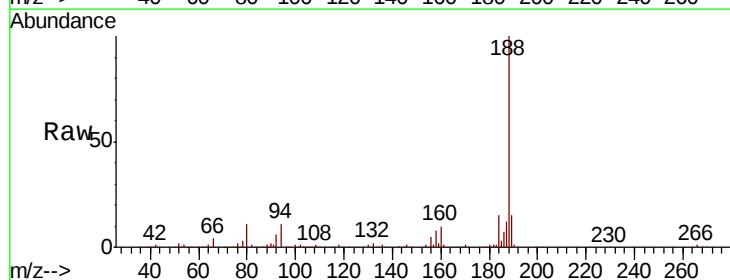
Tgt Ion: 188 Resp: 339701

Ion Ratio Lower Upper

188 100

94 10.6 8.1 12.1

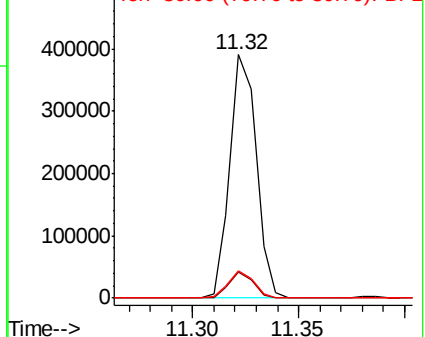
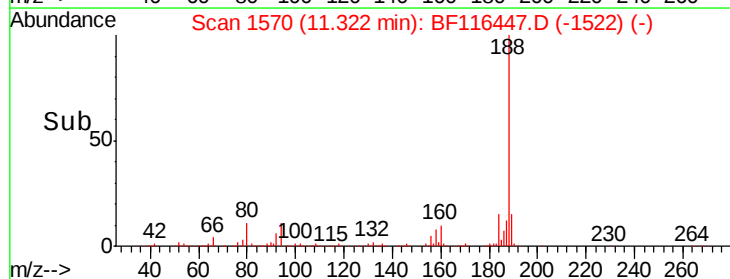
80 11.4 8.7 13.1

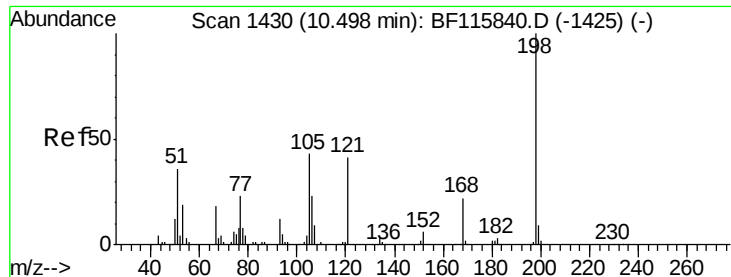


Abundance Ion 188.00 (187.70 to 188.70): BF1

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: 53.023 ng

RT: 10.46 min Scan# 1424

Delta R.T. -0.01 min

Lab File: BF116447.D

Acq: 20 Aug 2019 23:07

Instrument :

BNA_F

ClientSampleId :

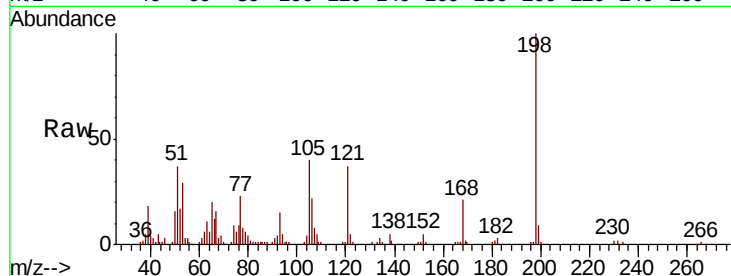
Tot Ion:198 Resp: 95452

Ion Ratio Lower Upper

198 100

51 36.9 17.0 57.0

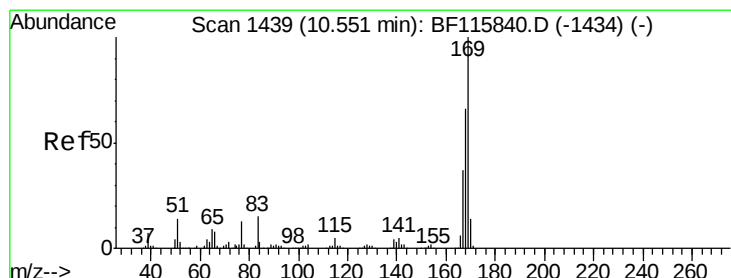
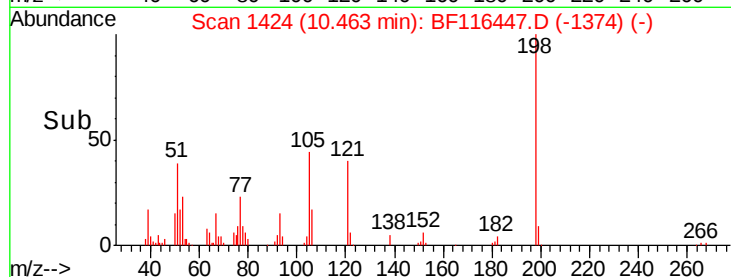
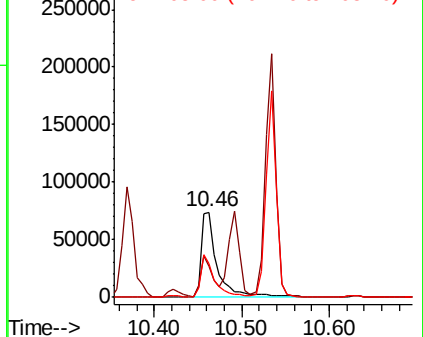
105 40.4 21.6 61.6



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: 47.103 ng

RT: 10.49 min Scan# 1429

Delta R.T. -0.02 min

Lab File: BF116447.D

Acq: 20 Aug 2019 23:07

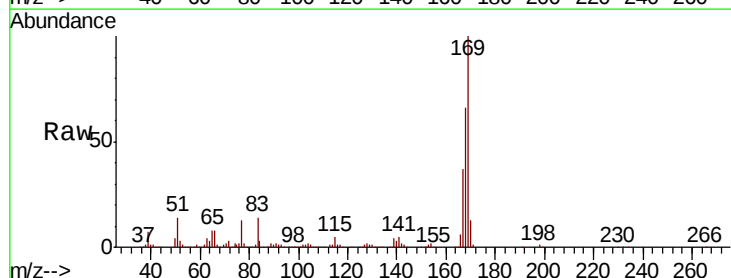
Tgt Ion:169 Resp: 481608

Ion Ratio Lower Upper

169 100

168 65.8 53.8 80.6

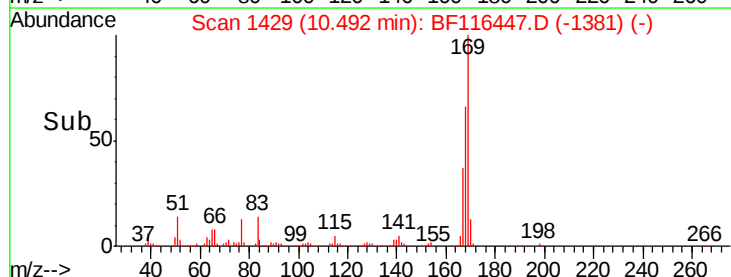
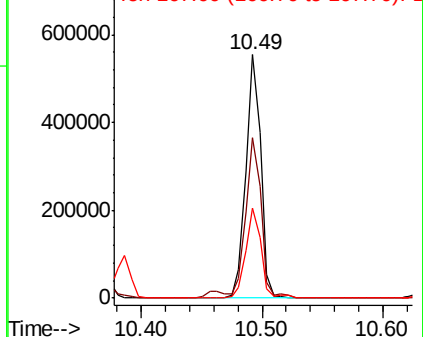
167 37.1 29.6 44.4



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

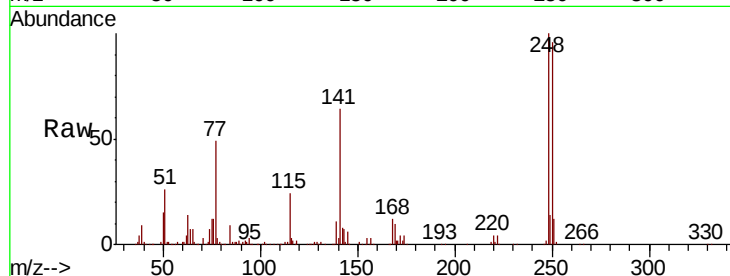




#67
4-Bromophenyl-phenylether
Concen: 51.161 ng
RT: 10.86 min Scan# 1492
Delta R.T. -0.01 min
Lab File: BF116447.D
Acq: 20 Aug 2019 23:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	95.7	77.4	116.2
141	64.4	56.8	85.2

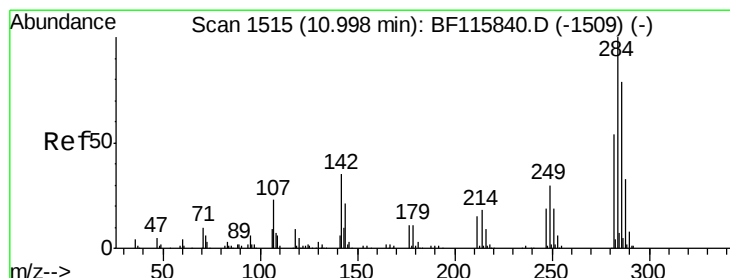
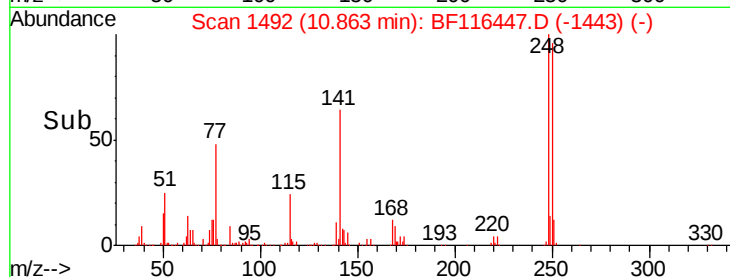
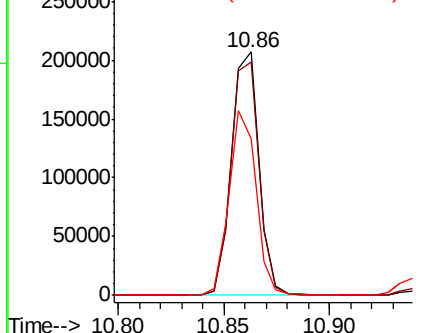


Abundance

Ion 248.00 (247.70 to 248.70): E

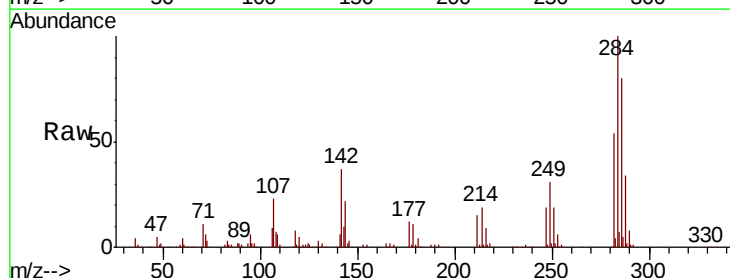
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68
Hexachlorobenzene
Concen: 49.193 ng
RT: 10.94 min Scan# 1505
Delta R.T. -0.02 min
Lab File: BF116447.D
Acq: 20 Aug 2019 23:07

Tgt Ion	Ratio	Lower	Upper
284	100		
142	36.8	28.4	42.6
249	31.5	24.5	36.7

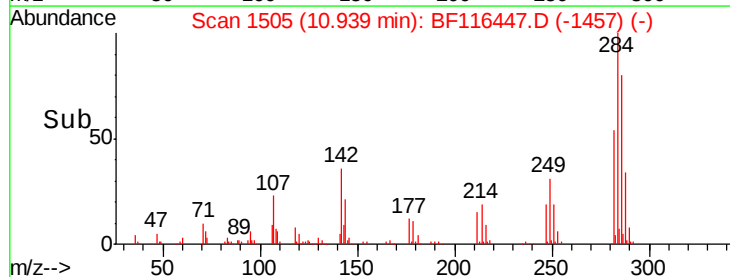
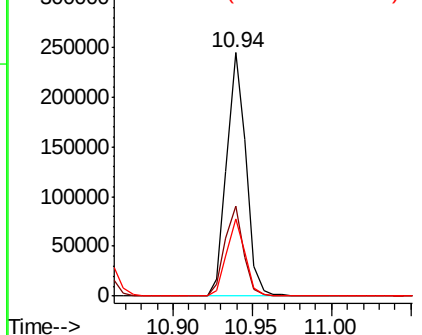


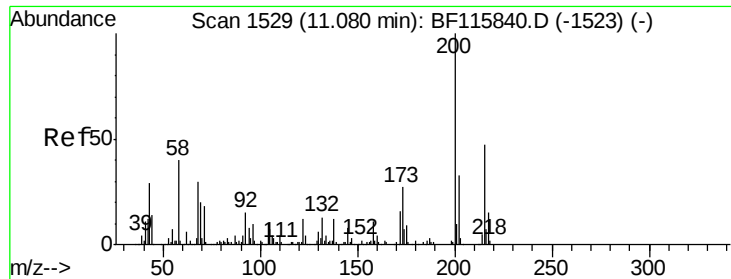
Abundance

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

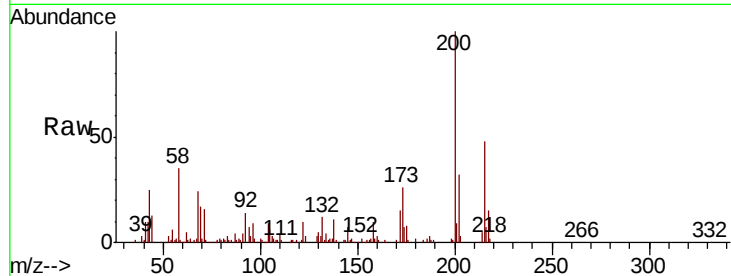




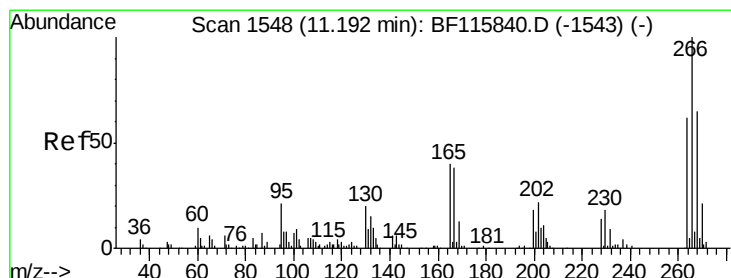
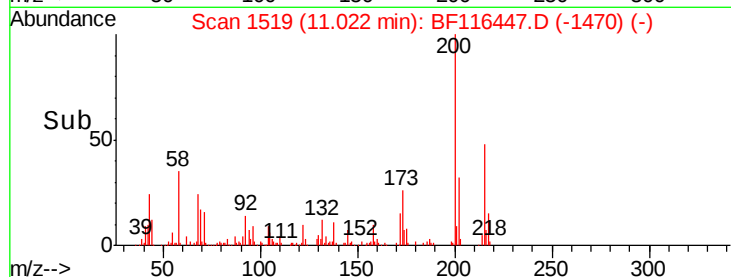
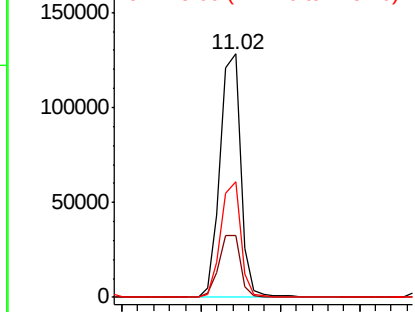
#69
Atrazine
Concen: 34.763 ng
RT: 11.02 min Scan# 1519
Delta R.T. -0.01 min
Lab File: BF116447.D
Acq: 20 Aug 2019 23:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
200	100		
173	25.6	6.8	46.8
215	47.5	27.5	67.5

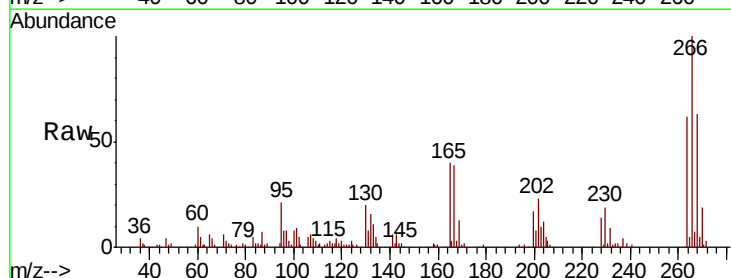


Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

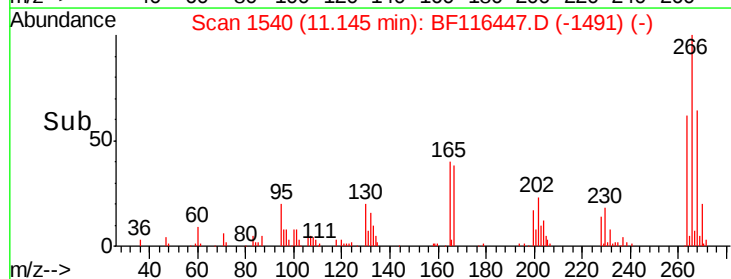
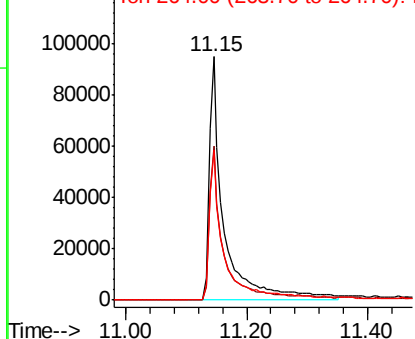


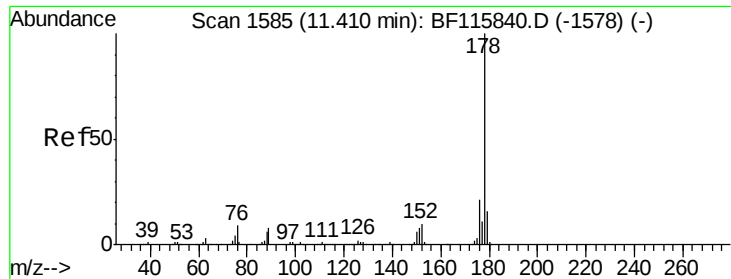
#70
Pentachlorophenol
Concen: 79.174 ng
RT: 11.15 min Scan# 1540
Delta R.T. -0.01 min
Lab File: BF116447.D
Acq: 20 Aug 2019 23:07

Tgt Ion	Ratio	Lower	Upper
266	100		
268	63.3	48.8	73.2
264	61.9	50.6	76.0



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

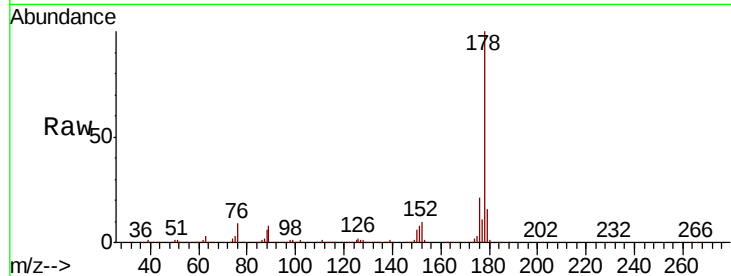




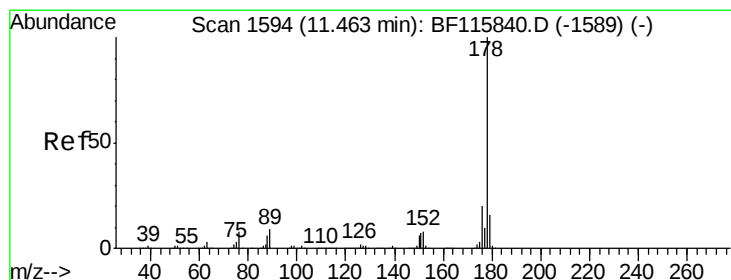
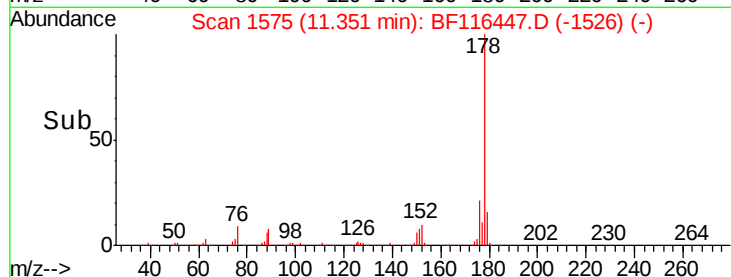
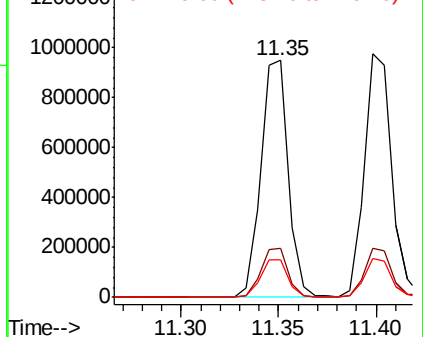
#71
Phenanthrene
Concen: 52.999 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.01 min
Lab File: BF116447.D
Acq: 20 Aug 2019 23:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 920386
Ion Ratio Lower Upper
178 100
176 20.8 16.6 24.8
179 15.9 12.5 18.7

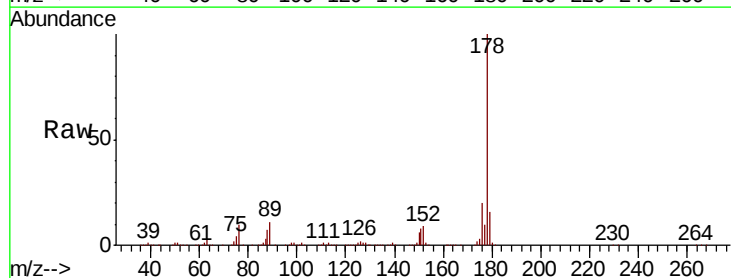


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

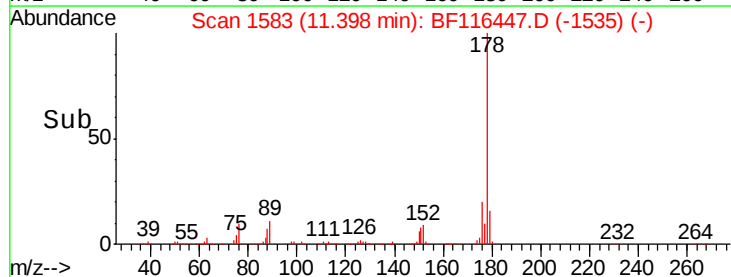
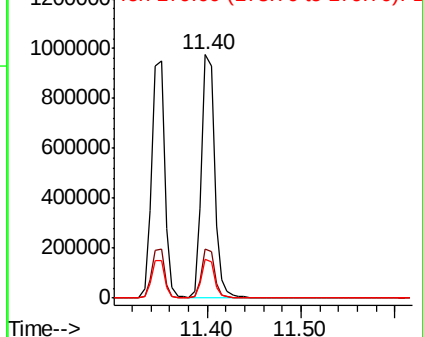


#72
Anthracene
Concen: 54.886 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.02 min
Lab File: BF116447.D
Acq: 20 Aug 2019 23:07

Tgt Ion:178 Resp: 964649
Ion Ratio Lower Upper
178 100
176 20.3 15.7 23.5
179 16.2 13.0 19.6



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

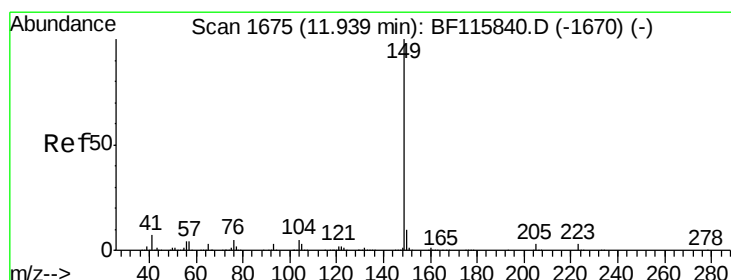
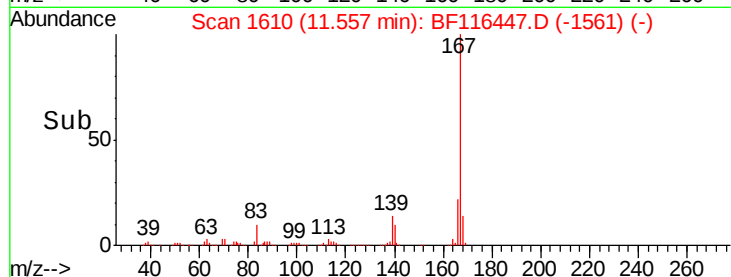
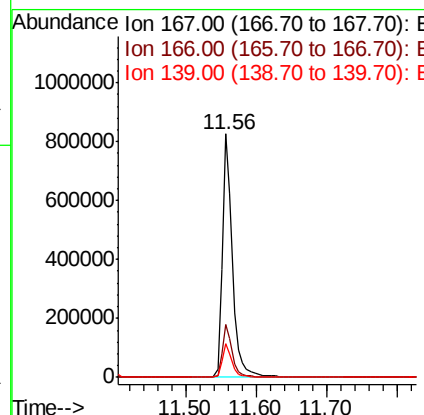
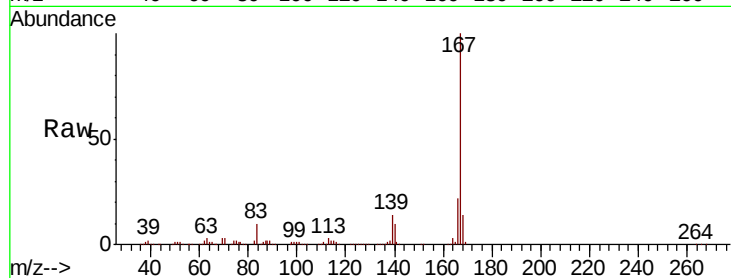




#73
 Carbazole
 Concen: 50.954 ng
 RT: 11.56 min Scan# 1610
 Delta R.T. -0.01 min
 Lab File: BF116447.D
 Acq: 20 Aug 2019 23:07

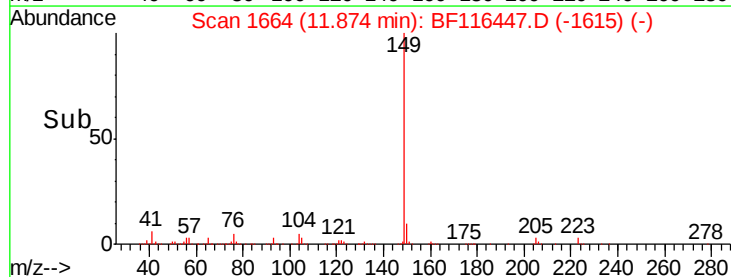
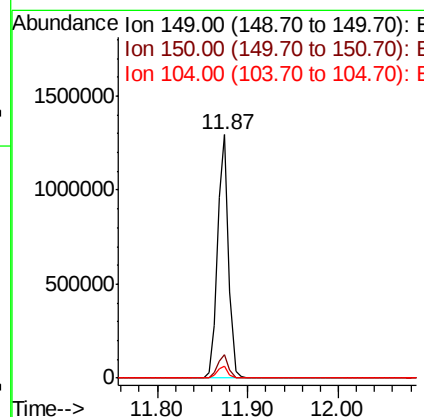
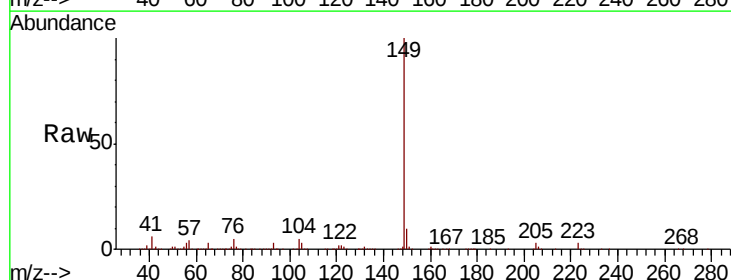
Instrument :
 BNA_F
 ClientSampleId :

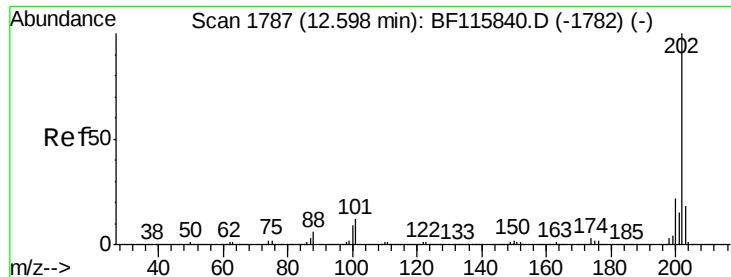
Tot Ion:167 Resp: 812475
 Ion Ratio Lower Upper
 167 100
 166 21.5 17.8 26.6
 139 13.9 11.4 17.0



#74
 Di-n-butylphthalate
 Concen: 58.452 ng
 RT: 11.87 min Scan# 1664
 Delta R.T. -0.01 min
 Lab File: BF116447.D
 Acq: 20 Aug 2019 23:07

Tgt Ion:149 Resp: 1087265
 Ion Ratio Lower Upper
 149 100
 150 9.6 8.0 12.0
 104 5.0 4.5 6.7

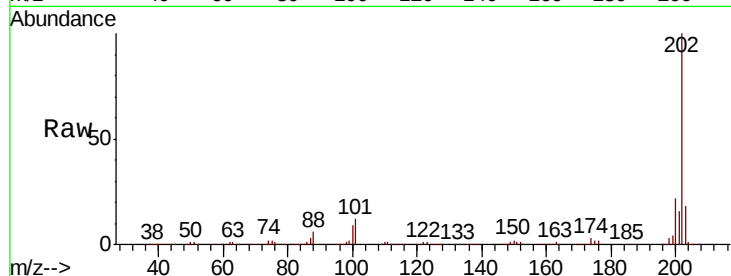




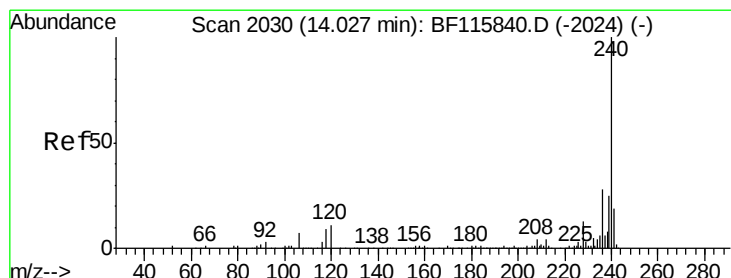
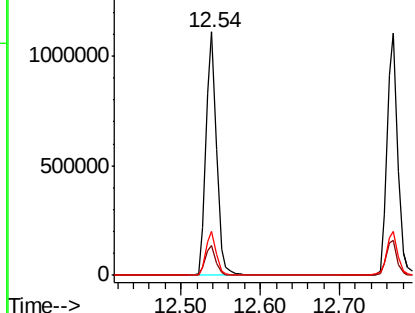
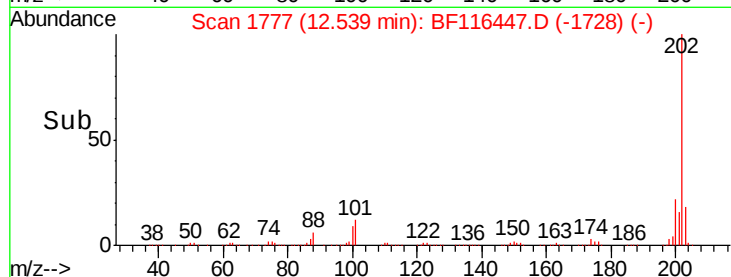
#75
 Fluoranthene
 Concen: 57.341 ng
 RT: 12.54 min Scan# 1777
 Delta R.T. -0.01 min
 Lab File: BF116447.D
 Acq: 20 Aug 2019 23:07

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:202 Resp: 1042495
 Ion Ratio Lower Upper
 202 100
 101 12.4 0.0 31.2
 203 18.1 0.0 37.8

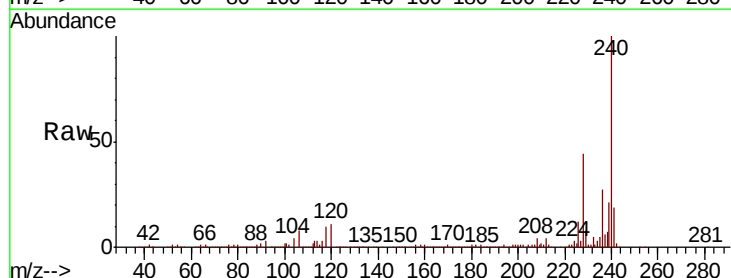


Abundance Ion 202.00 (201.70 to 202.70): E
 1500000 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

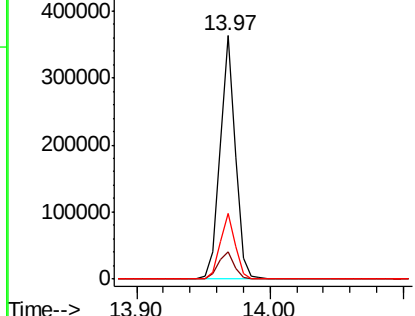
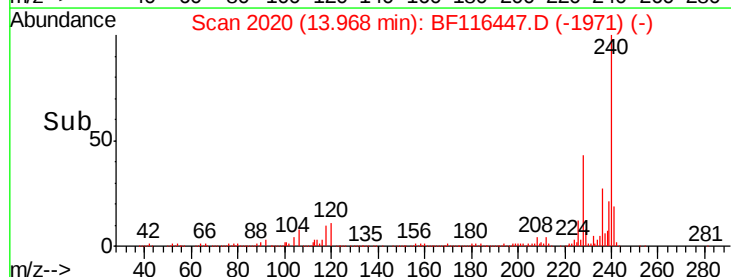


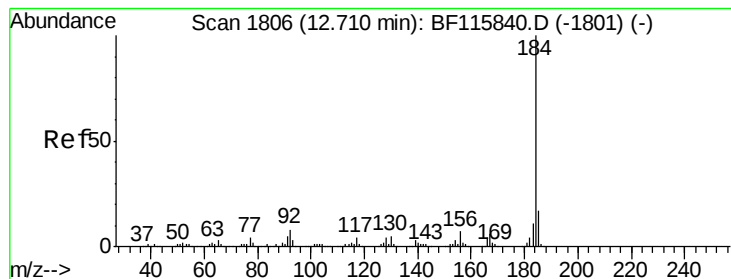
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.01 min
 Lab File: BF116447.D
 Acq: 20 Aug 2019 23:07

Tgt Ion:240 Resp: 294616
 Ion Ratio Lower Upper
 240 100
 120 11.4 10.7 16.1
 236 27.0 22.2 33.2



Abundance Ion 240.00 (239.70 to 240.70): E
 500000 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 1.944 ng

RT: 12.90 min Scan# 1839

Delta R.T. 0.23 min

Lab File: BF116447.D

Acq: 20 Aug 2019 23:07

Instrument :

BNA_F

ClientSampled :

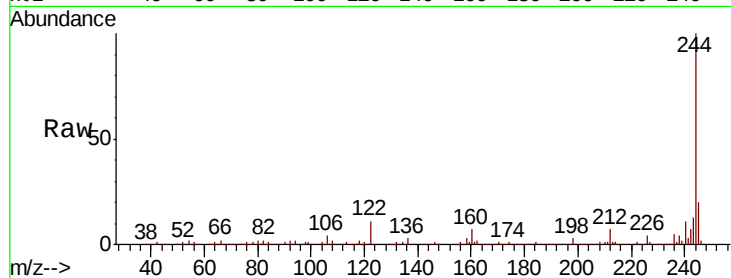
Tot Ion:184 Resp: 19353

Ion Ratio Lower Upper

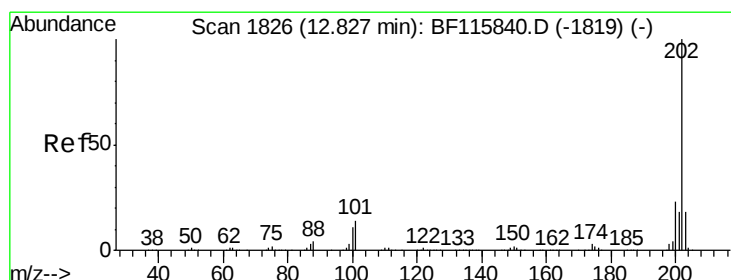
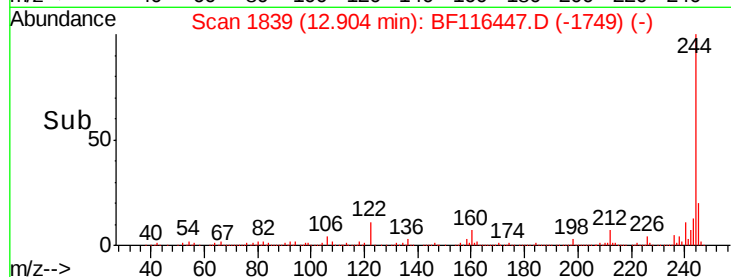
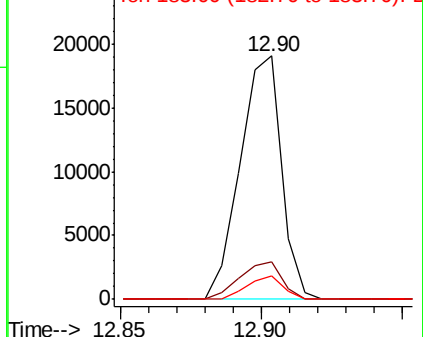
184 100

185 15.5 12.8 19.2

183 9.6 9.4 14.0



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: 47.587 ng

RT: 12.77 min Scan# 1816

Delta R.T. -0.01 min

Lab File: BF116447.D

Acq: 20 Aug 2019 23:07

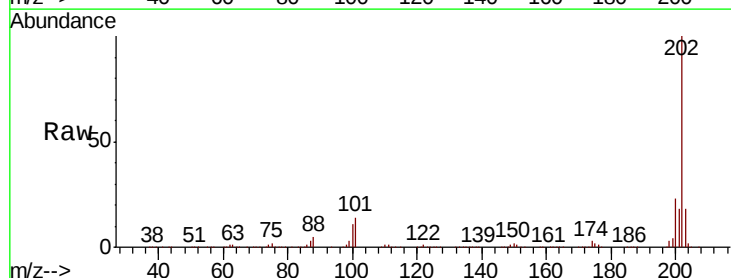
Tgt Ion:202 Resp: 1056830

Ion Ratio Lower Upper

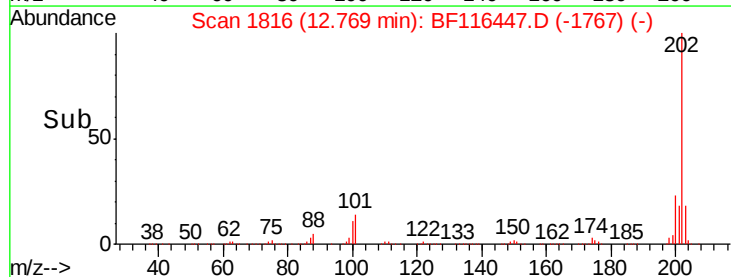
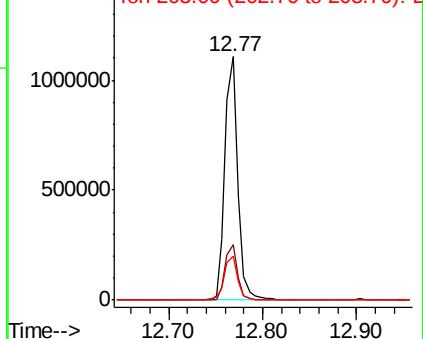
202 100

200 23.0 18.0 27.0

203 18.3 14.1 21.1



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: 100.758 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BF116447.D

Acq: 20 Aug 2019 23:07

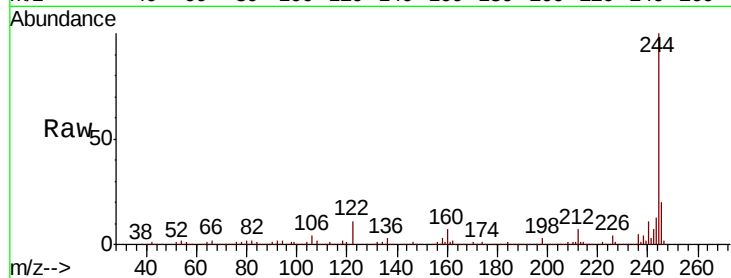
Instrument :

BNA_F

ClientSampleId :

Tot Ion:244 Resp: 1408756

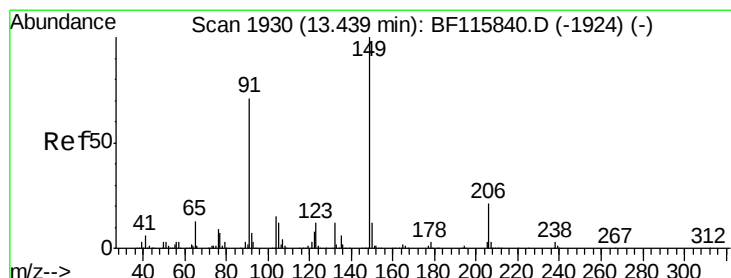
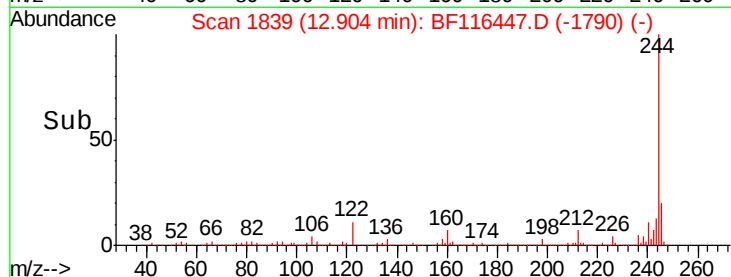
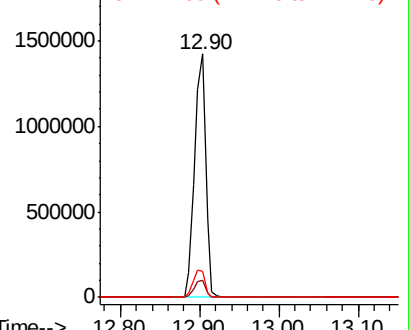
Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.8
122	10.9	9.0	13.4



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: 53.423 ng

RT: 13.37 min Scan# 1918

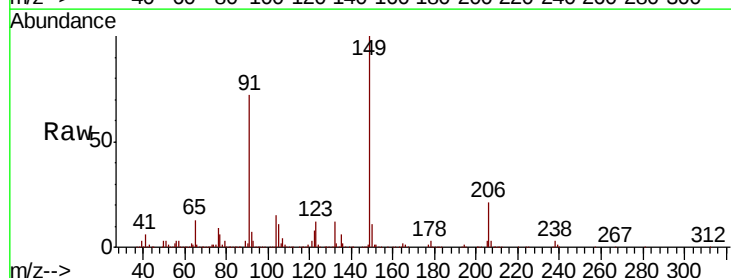
Delta R.T. -0.02 min

Lab File: BF116447.D

Acq: 20 Aug 2019 23:07

Tgt Ion:149 Resp: 501873

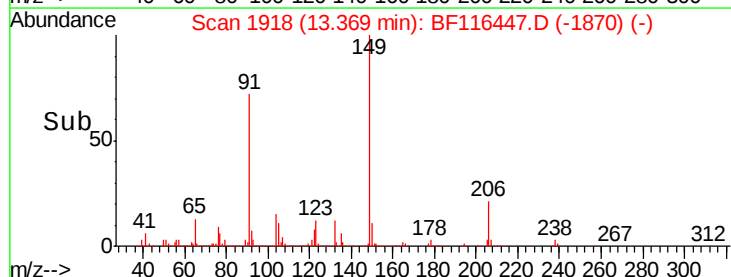
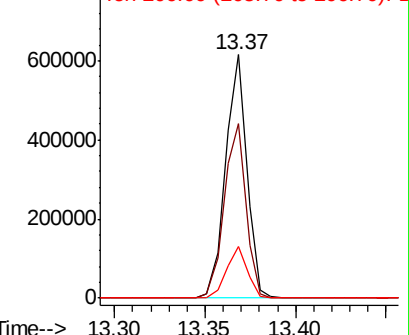
Ion	Ratio	Lower	Upper
149	100		
91	71.7	56.3	84.5
206	21.3	18.0	27.0



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: 50.907 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BF116447.D

Acq: 20 Aug 2019 23:07

Instrument :

BNA_F

ClientSampleId :

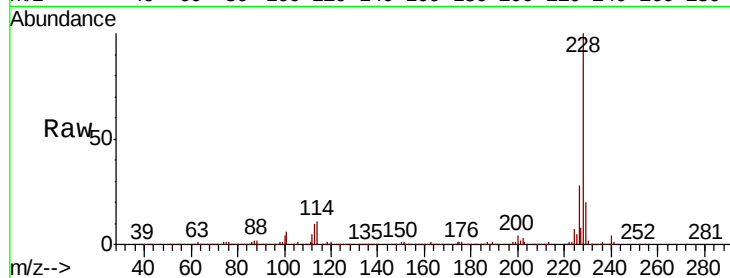
Tot Ion:228 Resp: 958628

Ion Ratio Lower Upper

228 100

226 28.4 22.7 34.1

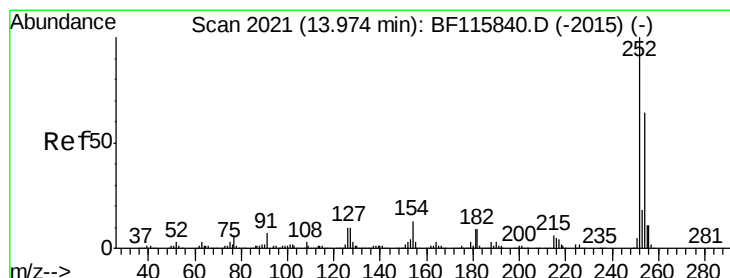
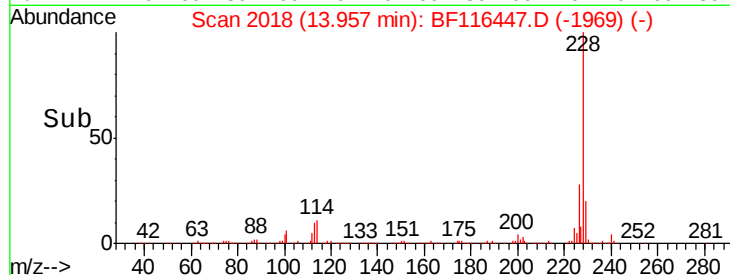
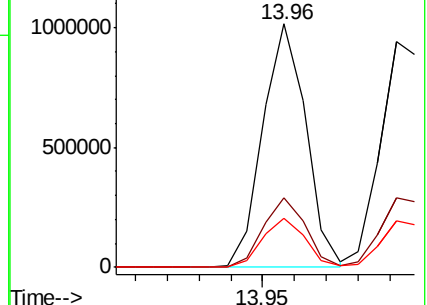
229 20.3 16.2 24.4



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: 5.012 ng

RT: 13.92 min Scan# 2011

Delta R.T. -0.01 min

Lab File: BF116447.D

Acq: 20 Aug 2019 23:07

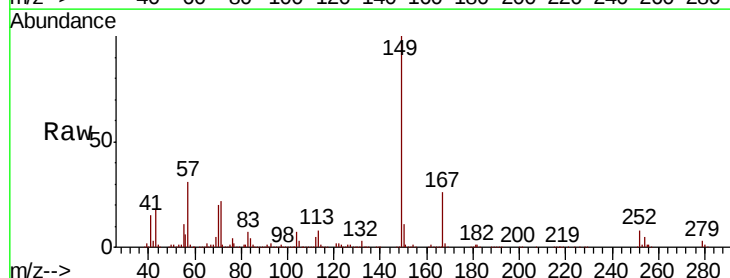
Tgt Ion:252 Resp: 32791

Ion Ratio Lower Upper

252 100

254 63.7 50.9 76.3

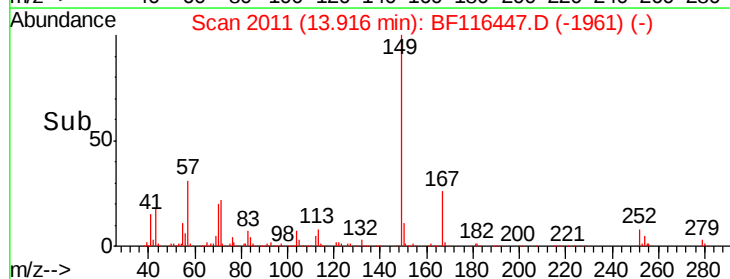
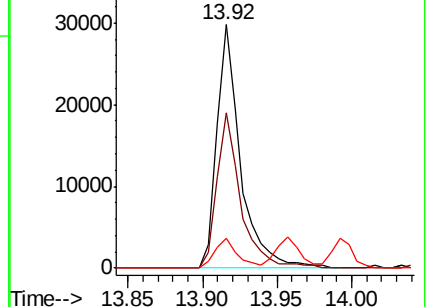
126 12.2 9.8 14.8

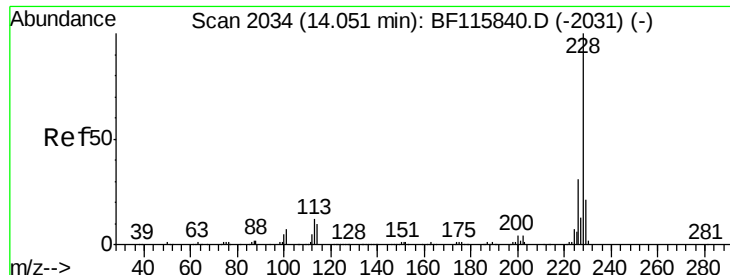


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrvsene

Concen: 52.764 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF116447.D

Acq: 20 Aug 2019 23:07

Instrument :

BNA_F

ClientSampleId :

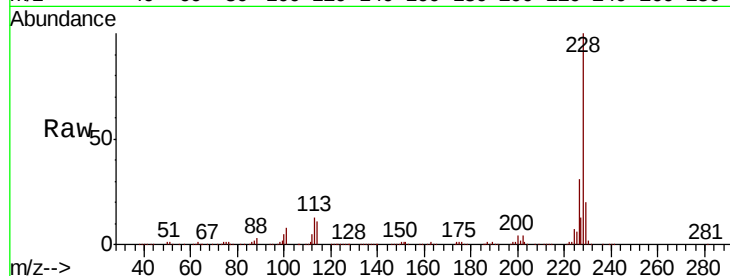
Tot Ion:228 Resp: 964620

Ion Ratio Lower Upper

228 100

226 31.0 25.5 38.3

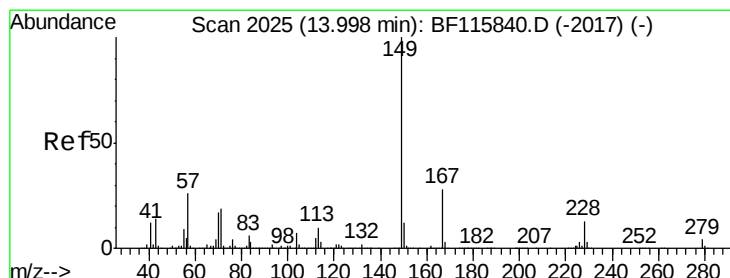
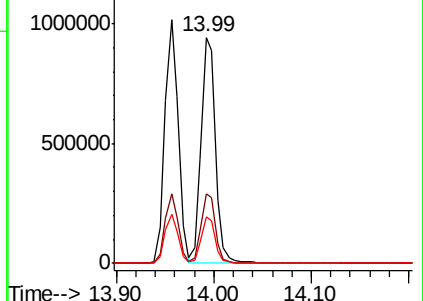
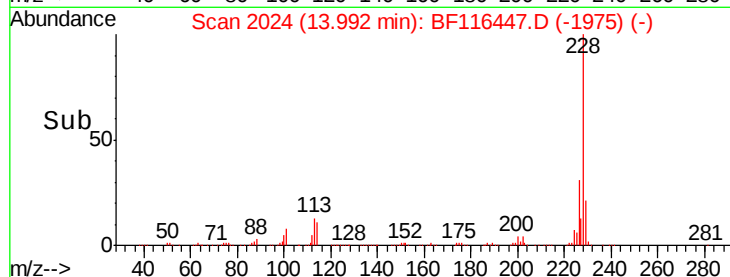
229 20.5 16.6 24.8



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 59.991 ng

RT: 13.92 min Scan# 2012

Delta R.T. -0.02 min

Lab File: BF116447.D

Acq: 20 Aug 2019 23:07

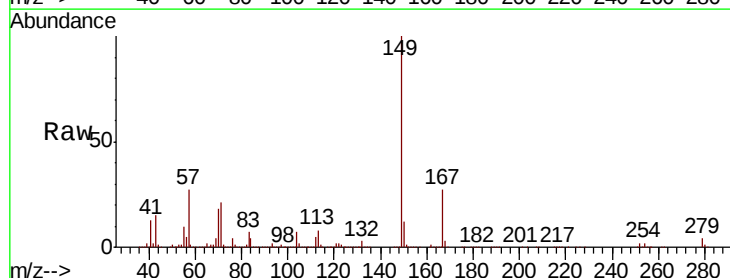
Tgt Ion:149 Resp: 732364

Ion Ratio Lower Upper

149 100

167 27.4 21.6 32.4

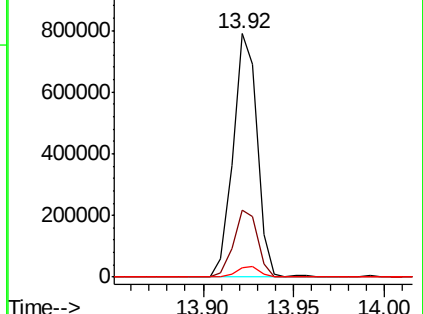
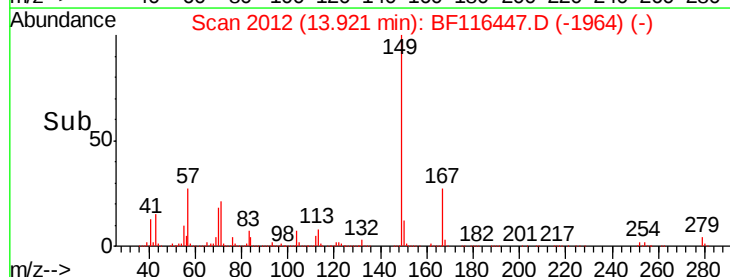
279 3.8 3.0 4.4

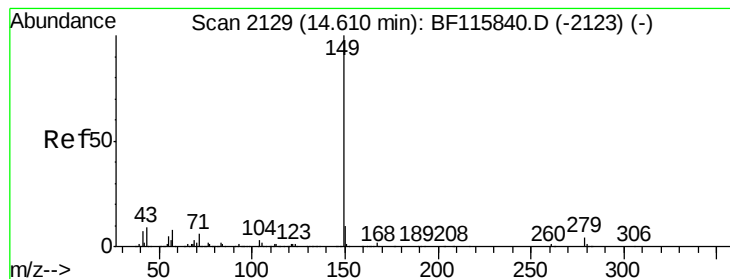


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 64.012 ng

RT: 14.53 min Scan# 2116

Delta R.T. -0.01 min

Lab File: BF116447.D

Acq: 20 Aug 2019 23:07

Instrument :

BNA_F

ClientSampleId :

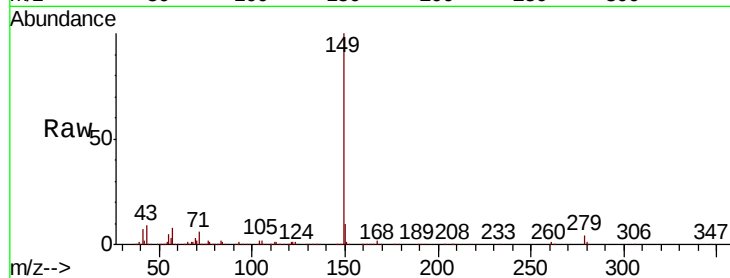
Tot Ion:149 Resp: 1241216

Ion Ratio Lower Upper

149 100

167 1.6 1.4 2.0

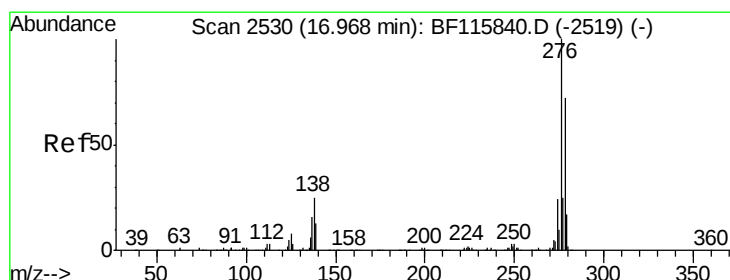
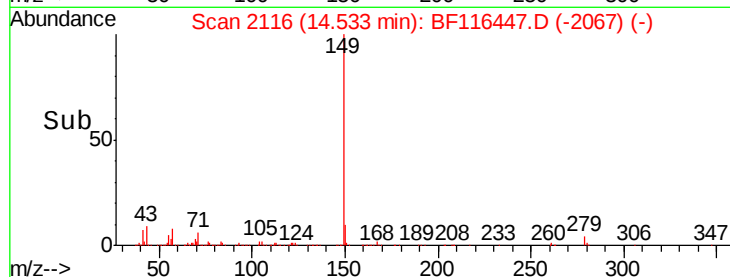
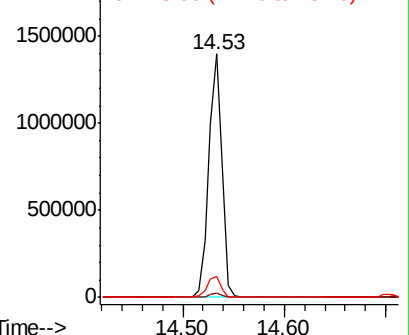
43 9.0 7.5 11.3



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: 61.684 ng

RT: 16.89 min Scan# 2517

Delta R.T. -0.01 min

Lab File: BF116447.D

Acq: 20 Aug 2019 23:07

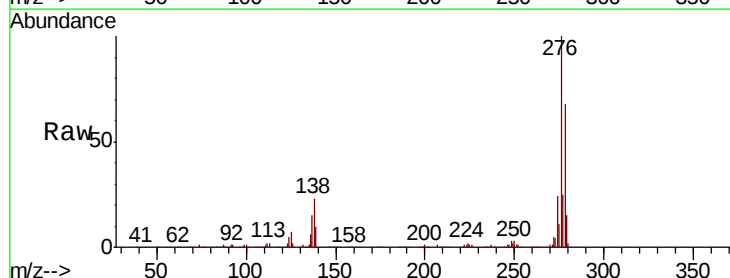
Tgt Ion:276 Resp: 947138

Ion Ratio Lower Upper

276 100

138 25.7 20.4 30.6

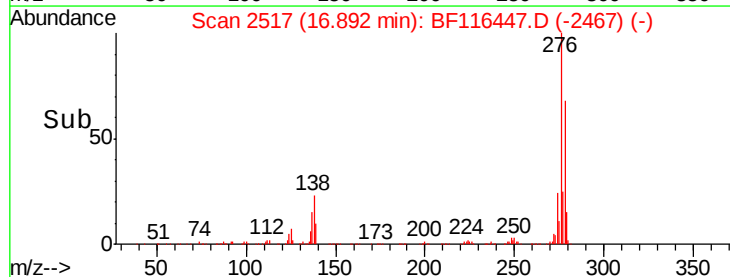
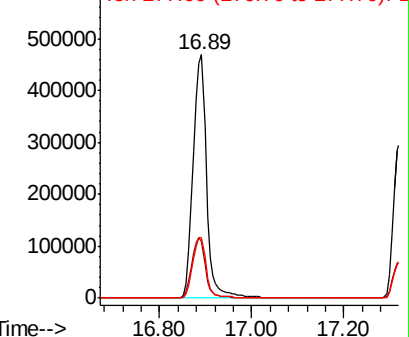
277 25.2 20.0 30.0

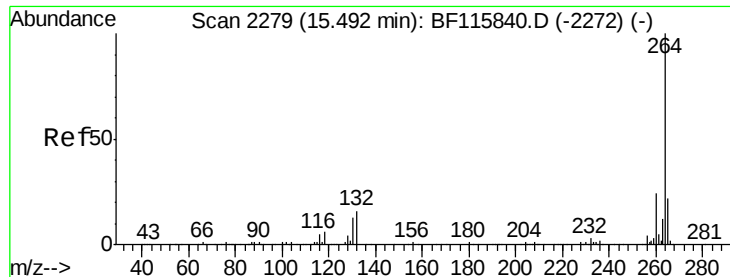


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



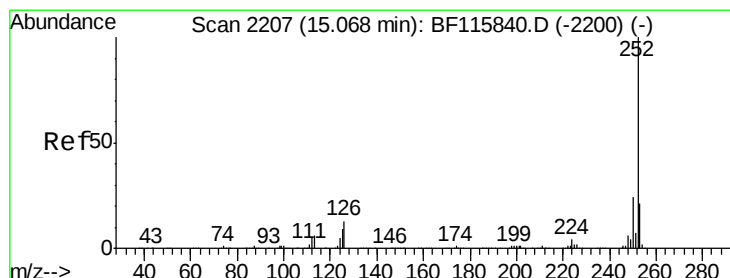
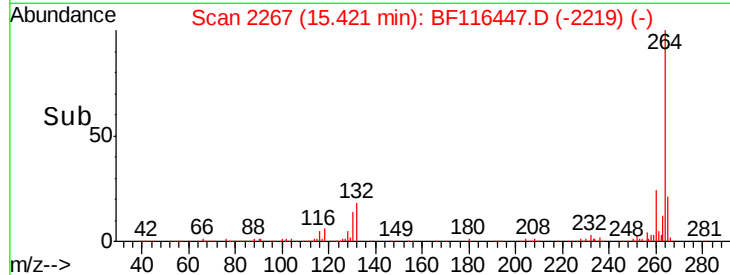
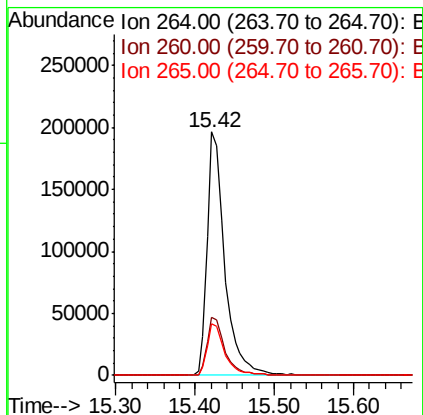
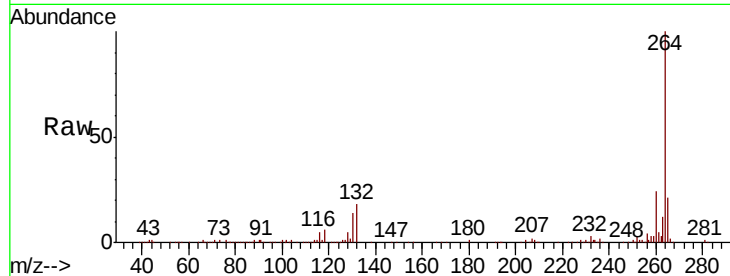


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2267
Delta R.T. -0.02 min
Lab File: BF116447.D
Acq: 20 Aug 2019 23:07

Instrument :
BNA_F
ClientSampled :

Tot Ion:264 Resp: 304507

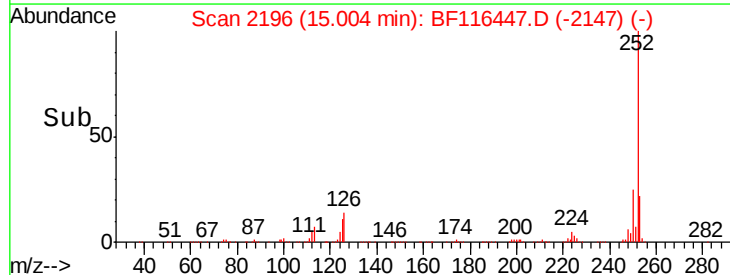
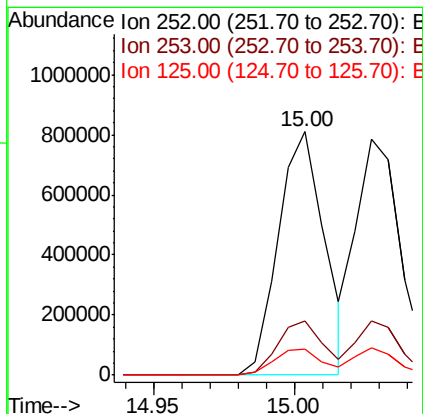
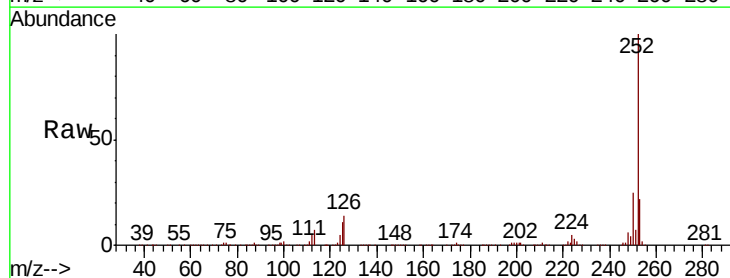
Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.7	29.5
265	21.1	17.4	26.0



#88
Benzo(b)fluoranthene
Concen: 52.339 ng
RT: 15.00 min Scan# 2196
Delta R.T. -0.01 min
Lab File: BF116447.D
Acq: 20 Aug 2019 23:07

Tgt Ion:252 Resp: 921529

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.8	26.8
125	10.7	8.4	12.6

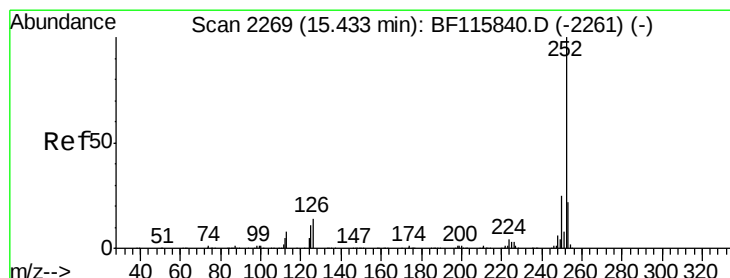
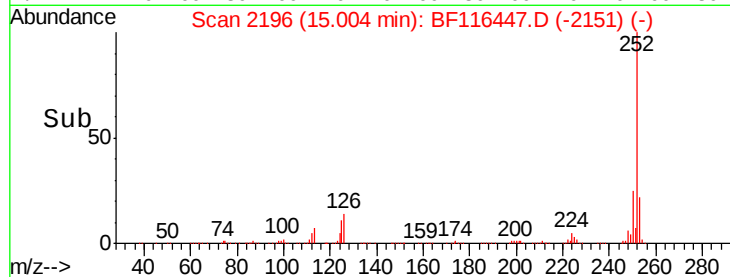
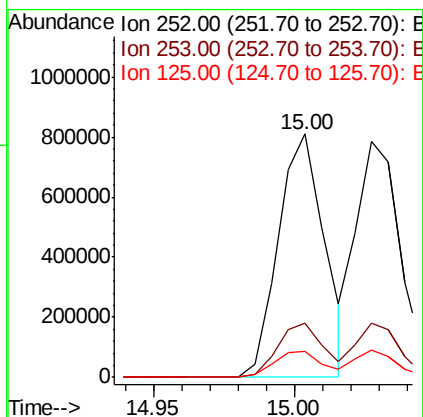
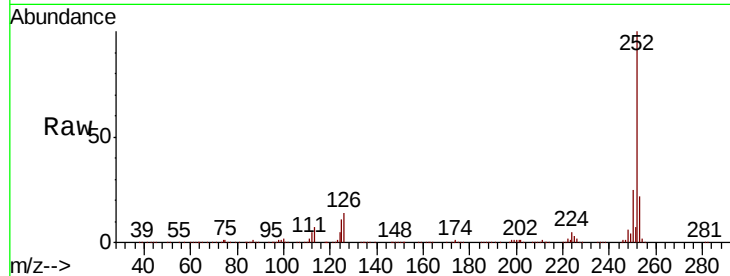




#89
Benzo(k)fluoranthene
Concen: 53.735 ng
RT: 15.00 min Scan# 2196
Delta R.T. -0.04 min
Lab File: BF116447.D
Acq: 20 Aug 2019 23:07

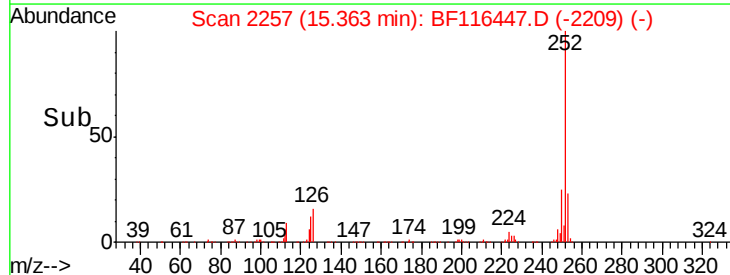
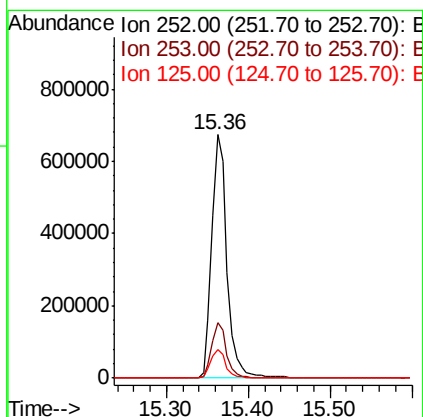
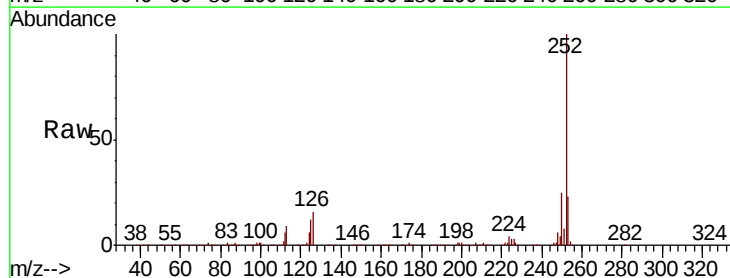
Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 921529
Ion Ratio Lower Upper
252 100
253 22.4 17.8 26.8
125 10.7 7.7 11.5



#90
Benzo(a)pyrene
Concen: 55.441 ng
RT: 15.36 min Scan# 2257
Delta R.T. -0.02 min
Lab File: BF116447.D
Acq: 20 Aug 2019 23:07

Tgt Ion:252 Resp: 872602
Ion Ratio Lower Upper
252 100
253 22.6 18.0 27.0
125 12.0 8.9 13.3





#91

Dibenzo(a,h)anthracene

Concen: 59.565 ng

RT: 16.89 min Scan# 2516

Delta R.T. -0.01 min

Lab File: BF116447.D

Acq: 20 Aug 2019 23:07

Instrument :

BNA_F

ClientSampleId :

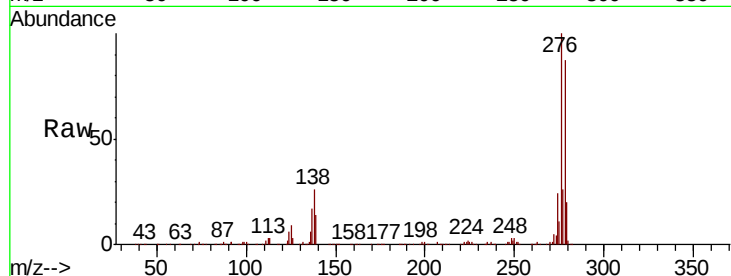
Tot Ion:278 Resp: 811521

Ion Ratio Lower Upper

278 100

139 16.6 12.8 19.2

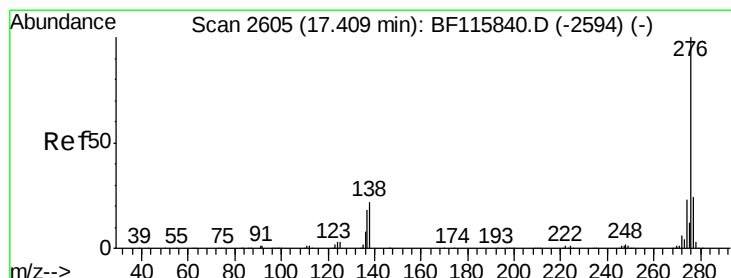
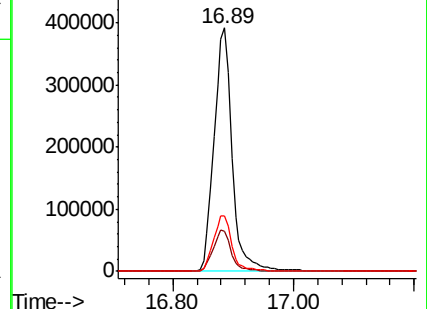
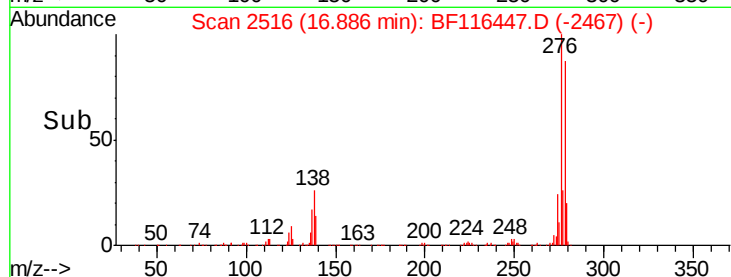
279 22.7 18.8 28.2



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: 57.654 ng

RT: 17.32 min Scan# 2590

Delta R.T. -0.02 min

Lab File: BF116447.D

Acq: 20 Aug 2019 23:07

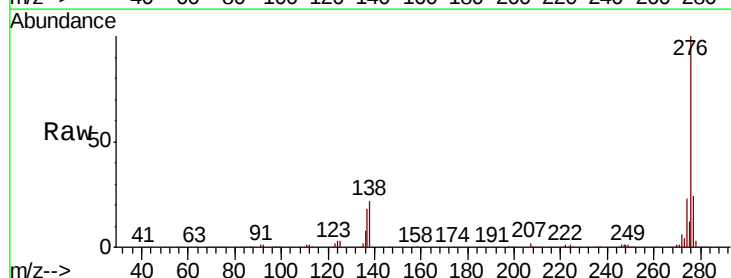
Tgt Ion:276 Resp: 771419

Ion Ratio Lower Upper

276 100

277 23.8 18.4 27.6

138 22.3 17.0 25.6



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

