

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091319\
 Data File : BF117032.D
 Acq On : 13 Sep 2019 19:45
 Operator : HP/JU
 Sample : K4851-04MSD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 14 00:18:21 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 13 16:23:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	67673	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	270004	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	140174	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	238207	20.00	ng	0.00
76) Chrysene-d12	13.97	240	169545	20.00	ng	0.00
87) Perylene-d12	15.42	264	159896	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.45	112	492987	113.73	ng	0.00
7) Phenol-d6	6.46	99	701427	125.21	ng	0.00
23) Nitrobenzene-d5	7.39	82	434394	84.53	ng	0.00
42) 2,4,6-Tribromophenol	10.65	330	146811	125.32	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	739300	82.47	ng	0.00
79) Terphenyl-d14	12.92	244	717183	79.07	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.59	88	67850	37.408	ng	98
3) Pyridine	3.34	79	165070	33.250	ng	97
4) n-Nitrosodimethylamine	3.27	42	65907	38.685	ng	98
6) Aniline	6.49	93	201590	27.951	ng	98
8) 2-Chlorophenol	6.61	128	191724	41.001	ng	99
9) Benzaldehyde	6.37	77	118423	43.022	ng	96
10) Phenol	6.47	94	272435	44.116	ng	96
11) bis(2-Chloroethyl)ether	6.56	93	184353	40.617	ng	97
12) 1,3-Dichlorobenzene	6.76	146	199917	38.100	ng	100
13) 1,4-Dichlorobenzene	6.84	146	208106	38.863	ng	100
14) 1,2-Dichlorobenzene	6.99	146	193830	38.878	ng	97
15) Benzyl Alcohol	6.96	79	179872	41.872	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.10	45	174239	38.856	ng	98
17) 2-Methylphenol	7.08	107	161538	41.219	ng	98
18) Hexachloroethane	7.33	117	78241	37.980	ng	98
19) n-Nitroso-di-n-propylamine	7.23	70	140823	41.284	ng	96
20) 3+4-Methylphenols	7.23	107	201883	41.356	ng	95
22) Acetophenone	7.23	105	283343	41.304	ng	97
24) Nitrobenzene	7.40	77	219061	43.167	ng	97
25) Isophorone	7.64	82	387289	42.566	ng	98
26) 2-Nitrophenol	7.72	139	99190	45.505	ng	98
27) 2,4-Dimethylphenol	7.76	122	166718	48.230	ng	98
28) bis(2-Chloroethoxy)methane	7.85	93	233313	41.620	ng	99
29) 2,4-Dichlorophenol	7.96	162	158626	43.795	ng	98
30) 1,2,4-Trichlorobenzene	8.05	180	156288	39.940	ng	98
31) Naphthalene	8.13	128	544908	41.963	ng	100
32) Benzoic acid	7.88	122	80895	33.329	ng	97
33) 4-Chloroaniline	8.17	127	89126	15.475	ng	99
34) Hexachlorobutadiene	8.25	225	87647	39.479	ng	99
35) Caprolactam	8.53	113	29413	23.992	ng	92
36) 4-Chloro-3-methylphenol	8.66	107	187934	44.499	ng	97
37) 2-Methylnaphthalene	8.82	142	374846	42.867	ng	100
38) 1-Methylnaphthalene	8.92	142	350419	42.787	ng	98
40) 1,2,4,5-Tetrachlorobenzene	8.99	216	148338	40.981	ng	99

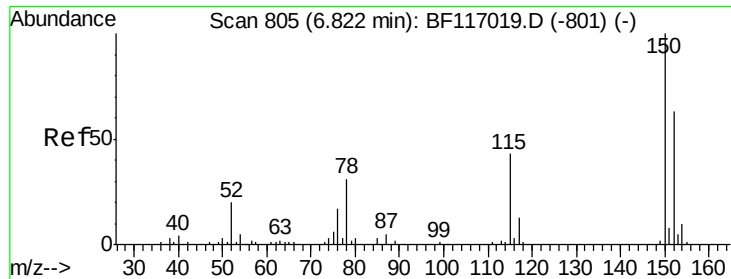
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091319\
 Data File : BF117032.D
 Acq On : 13 Sep 2019 19:45
 Operator : HP/JU
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 13 16:23:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.97	237	139581	86.529	ng	99
43) 2,4,6-Trichlorophenol	9.09	196	103227	42.023	ng	97
44) 2,4,5-Trichlorophenol	9.13	196	111912	42.642	ng	98
46) 1,1'-Biphenyl	9.27	154	447004	40.654	ng	99
47) 2-Chloronaphthalene	9.30	162	348574	40.169	ng	98
48) 2-Nitroaniline	9.40	65	112934	40.575	ng	95
49) Acenaphthylene	9.72	152	567434	43.650	ng	100
50) Dimethylphthalate	9.57	163	544383	54.850	ng	100
51) 2,6-Dinitrotoluene	9.64	165	89732	44.391	ng	98
52) Acenaphthene	9.89	154	318853	41.378	ng	99
53) 3-Nitroaniline	9.80	138	63593	24.935	ng	97
54) 2,4-Dinitrophenol	9.92	184	68038	78.186	ng	98
55) Dibenzofuran	10.06	168	497612	43.767	ng	97
56) 4-Nitrophenol	9.97	139	150275	90.913	ng	98
57) 2,4-Dinitrotoluene	10.05	165	121955	46.479	ng	94
58) Fluorene	10.40	166	396409	43.283	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.18	232	88881	44.256	ng	98
60) Diethylphthalate	10.27	149	420424	43.057	ng	98
61) 4-Chlorophenyl-phenylether	10.39	204	169033	42.657	ng	100
62) 4-Nitroaniline	10.42	138	114163	43.043	ng	99
63) Azobenzene	10.55	77	430236	43.141	ng	98
65) 4,6-Dinitro-2-methylphenol	10.46	198	49788	46.178	ng	99
66) n-Nitrosodiphenylamine	10.51	169	346959	42.175	ng	99
67) 4-Bromophenyl-phenylether	10.88	248	101611	41.769	ng	96
68) Hexachlorobenzene	10.95	284	104899	39.425	ng	# 92
69) Atrazine	11.03	200	101212	51.359	ng	99
70) Pentachlorophenol	11.15	266	112835	90.469	ng	99
71) Phenanthrene	11.36	178	564572	41.727	ng	99
72) Anthracene	11.41	178	602614	43.626	ng	99
73) Carbazole	11.57	167	565259	43.112	ng	99
74) Di-n-butylphthalate	11.89	149	687925	44.098	ng	99
75) Fluoranthene	12.54	202	595200	42.814	ng	99
77) Benzidine	12.66	184	288942	52.905	ng	99
78) Pyrene	12.77	202	607906	42.732	ng	99
80) Butylbenzylphthalate	13.39	149	291271	43.331	ng	99
81) Benzo(a)anthracene	13.96	228	480119	42.385	ng	99
82) 3,3'-Dichlorobenzidine	13.92	252	86498	23.697	ng	97
83) Chrysene	14.00	228	470146	42.555	ng	98
84) Bis(2-ethylhexyl)phthalate	13.94	149	399177	46.056	ng	99
85) Di-n-octyl phthalate	14.56	149	626089	45.896	ng	99
86) Indeno(1,2,3-cd)pyrene	16.86	276	389124	48.277	ng	99
88) Benzo(b)fluoranthene	15.00	252	384150	39.662	ng	99
89) Benzo(k)fluoranthene	15.03	252	388237	42.316	ng	99
90) Benzo(a)pyrene	15.36	252	367488	43.238	ng	99
91) Dibenzo(a,h)anthracene	16.87	278	322326	47.606	ng	99
92) Benzo(g,h,i)perylene	17.29	276	330414	48.972	ng	98

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

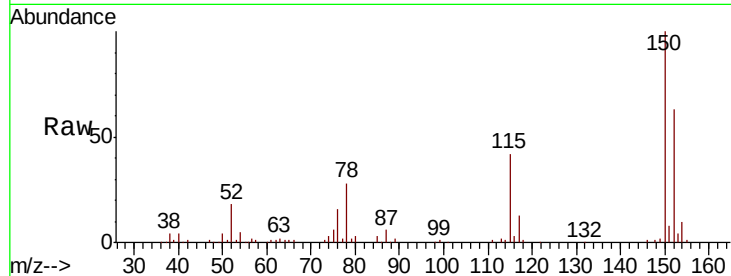


#1

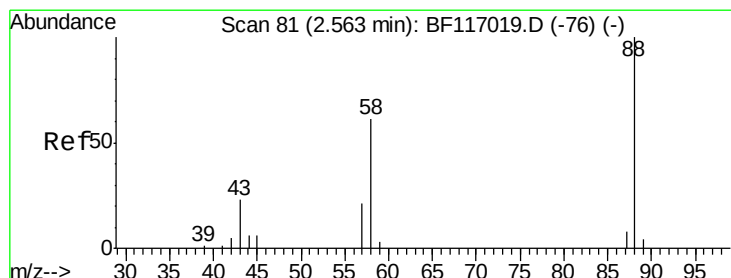
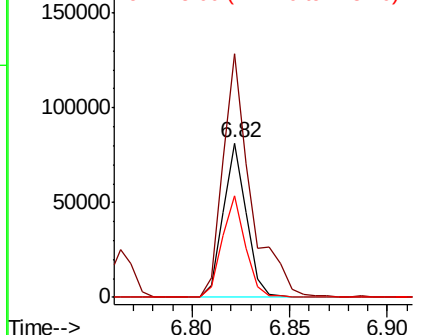
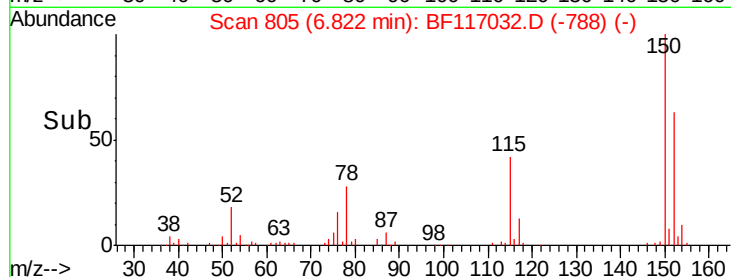
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF117032.D
Acq: 13 Sep 2019 19:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 67673
Ion Ratio Lower Upper
152 100
150 157.6 127.5 191.3
115 65.6 55.0 82.4



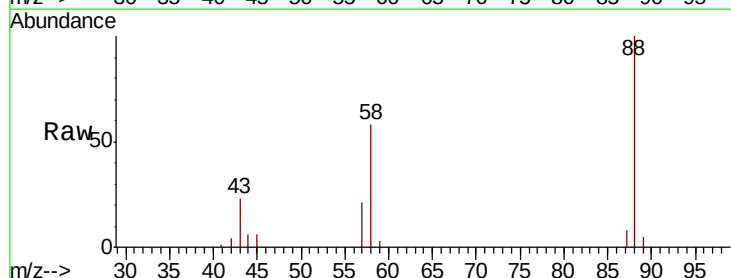
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



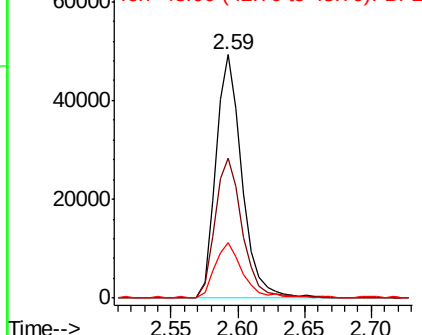
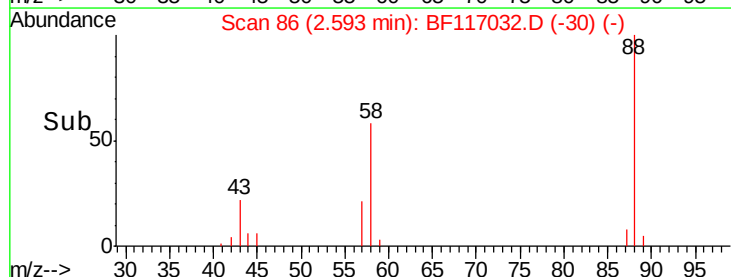
#2

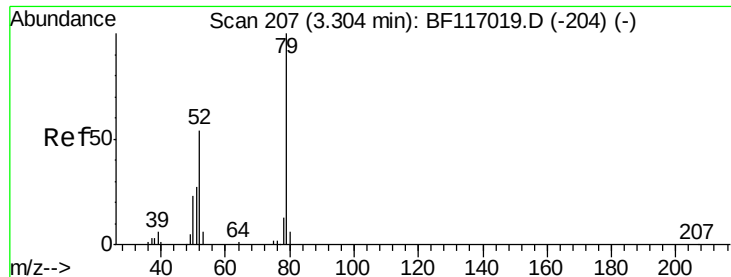
1,4-Dioxane
Concen: 37.408 ng
RT: 2.59 min Scan# 86
Delta R.T. 0.03 min
Lab File: BF117032.D
Acq: 13 Sep 2019 19:45

Tgt Ion: 88 Resp: 67850
Ion Ratio Lower Upper
88 100
58 60.3 49.3 73.9
43 24.7 18.8 28.2



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: 33.250 ng

RT: 3.34 min Scan# 213

Delta R.T. 0.04 min

Lab File: BF117032.D

Acq: 13 Sep 2019 19:45

Instrument :

BNA_F

ClientSampleId :

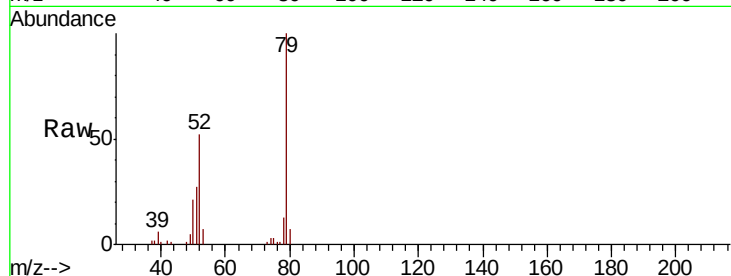
Tot Ion: 79 Resp: 165070

Ion Ratio Lower Upper

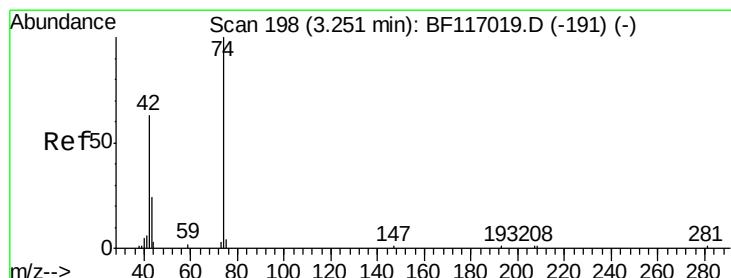
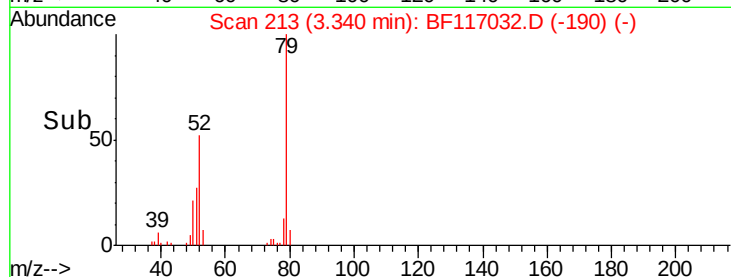
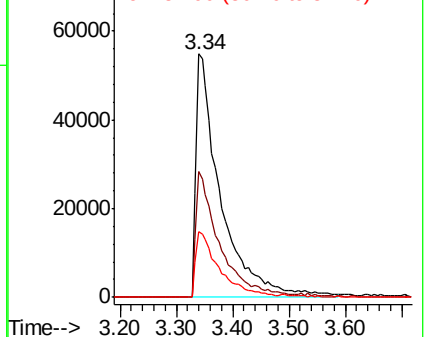
79 100

52 51.8 43.5 65.3

51 26.8 21.8 32.6



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: 38.685 ng

RT: 3.27 min Scan# 202

Delta R.T. 0.02 min

Lab File: BF117032.D

Acq: 13 Sep 2019 19:45

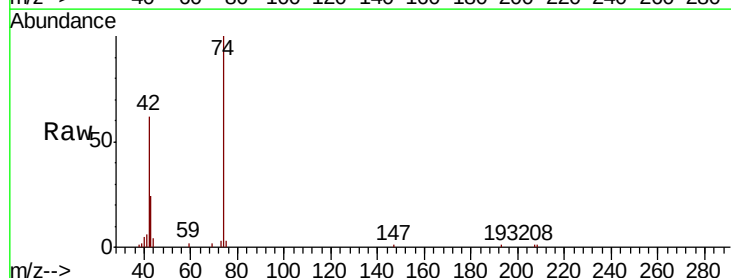
Tgt Ion: 42 Resp: 65907

Ion Ratio Lower Upper

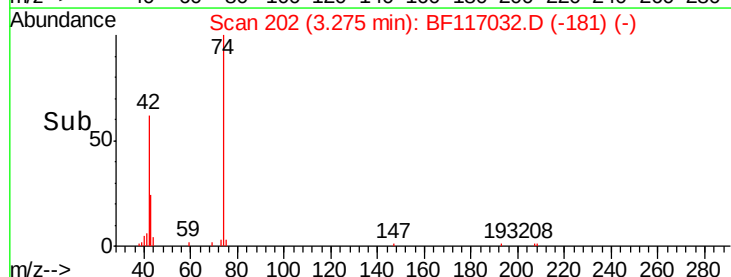
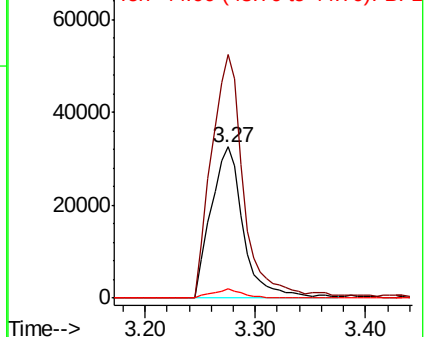
42 100

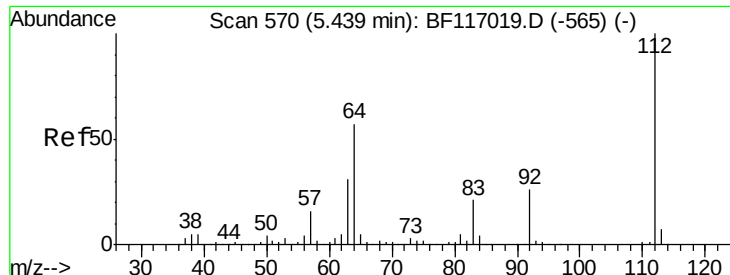
74 161.0 127.1 190.7

44 6.3 4.3 6.5



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: 113.734 ng

RT: 5.45 min Scan# 571

Delta R.T. 0.01 min

Lab File: BF117032.D

Acq: 13 Sep 2019 19:45

Instrument :

BNA_F

ClientSampled :

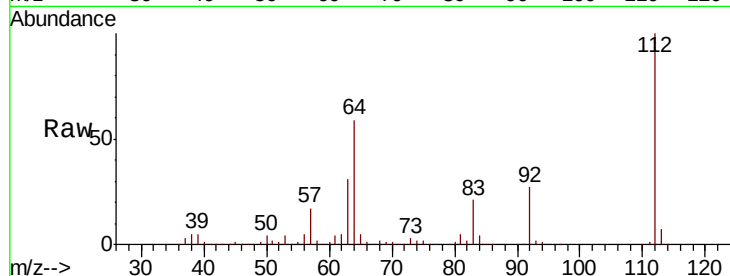
Tot Ion:112 Resp: 492987

Ion Ratio Lower Upper

112 100

64 58.8 45.7 68.5

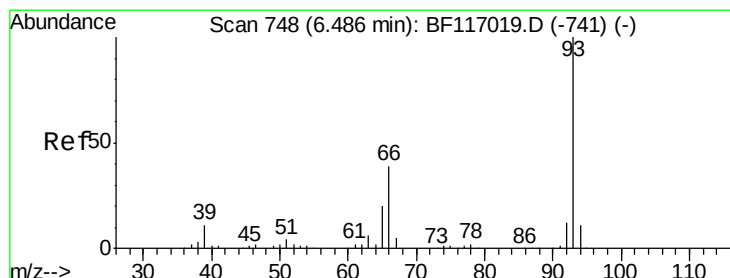
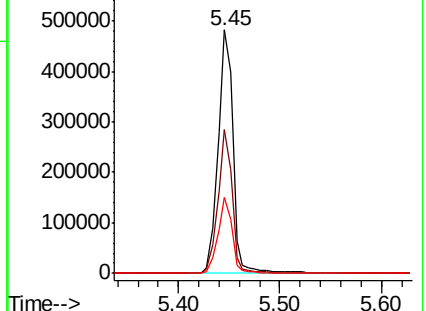
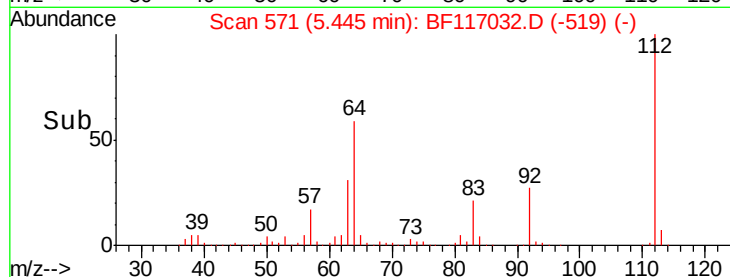
63 31.2 24.9 37.3



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 27.951 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.00 min

Lab File: BF117032.D

Acq: 13 Sep 2019 19:45

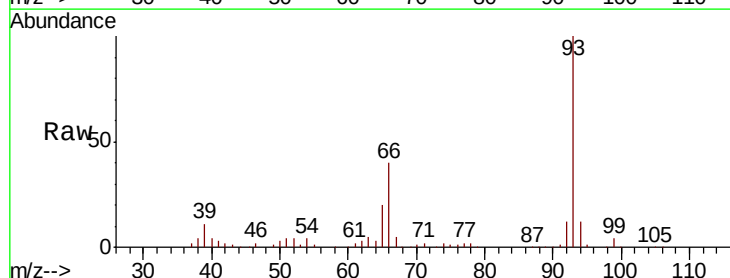
Tgt Ion: 93 Resp: 201590

Ion Ratio Lower Upper

93 100

66 40.2 32.6 49.0

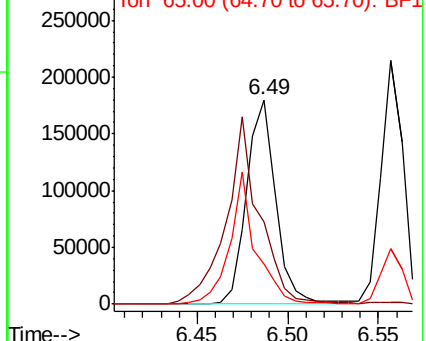
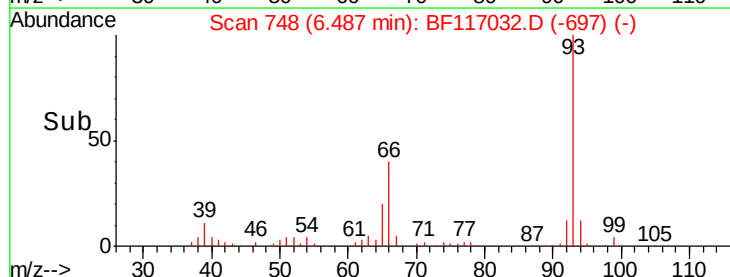
65 19.7 16.7 25.1

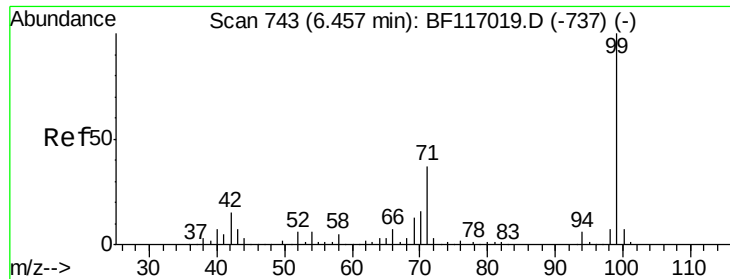


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 125.215 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.01 min

Lab File: BF117032.D

Acq: 13 Sep 2019 19:45

Instrument :

BNA_F

ClientSampleId :

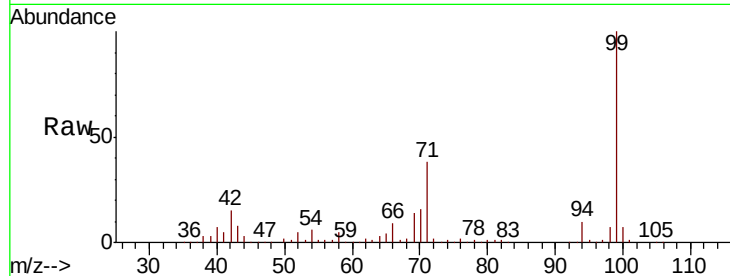
Tot Ion: 99 Resp: 701427

Ion Ratio Lower Upper

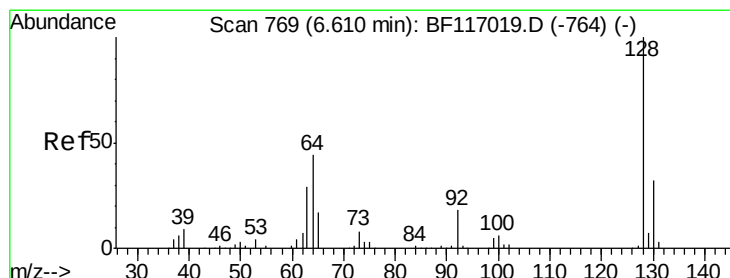
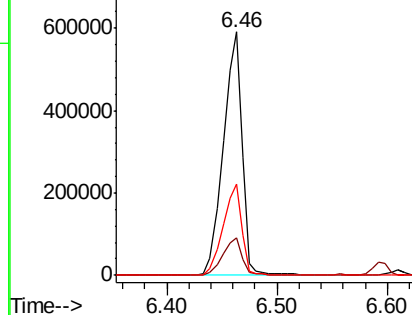
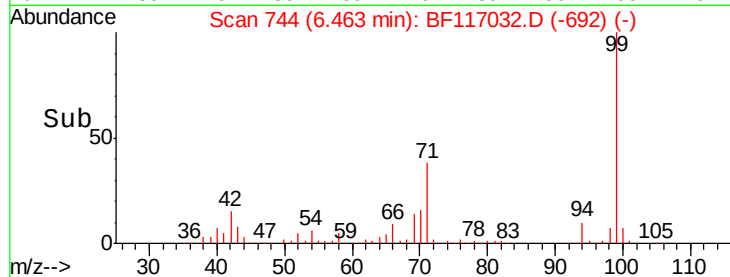
99 100

42 15.3 12.2 18.2

71 37.6 29.8 44.8



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: 41.001 ng

RT: 6.61 min Scan# 769

Delta R.T. 0.00 min

Lab File: BF117032.D

Acq: 13 Sep 2019 19:45

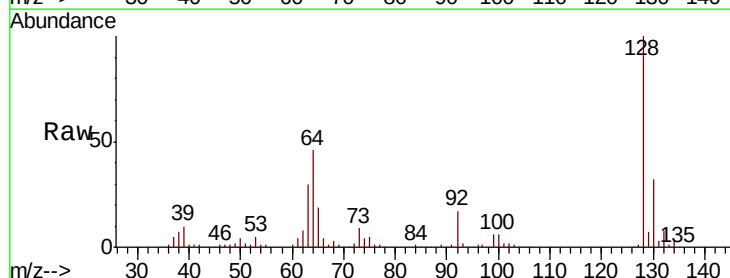
Tgt Ion: 128 Resp: 191724

Ion Ratio Lower Upper

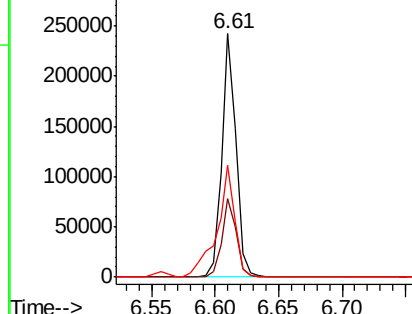
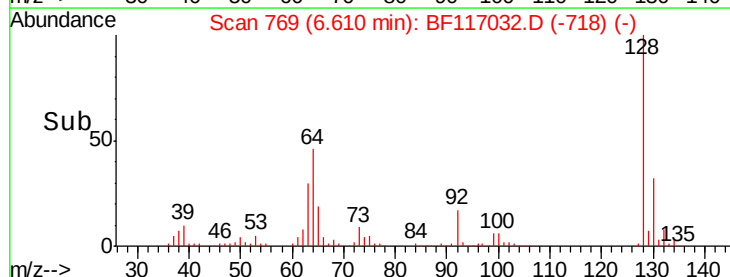
128 100

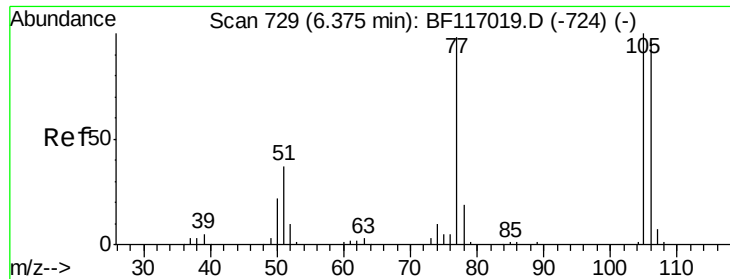
130 32.2 11.8 51.8

64 45.8 25.0 65.0



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: 43.022 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF117032.D

Acq: 13 Sep 2019 19:45

Instrument :

BNA_F

ClientSampleId :

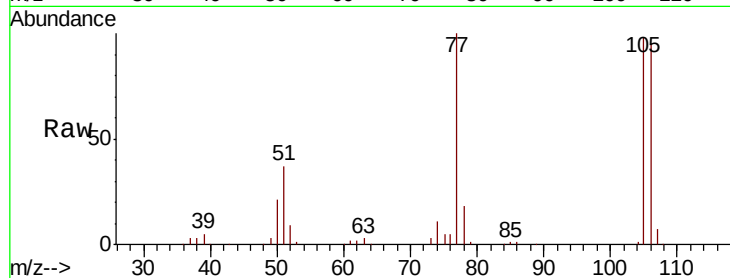
Tot Ion: 77 Resp: 118423

Ion Ratio Lower Upper

77 100

105 97.6 81.8 121.8

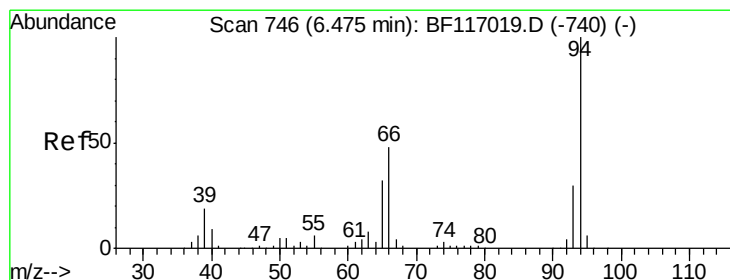
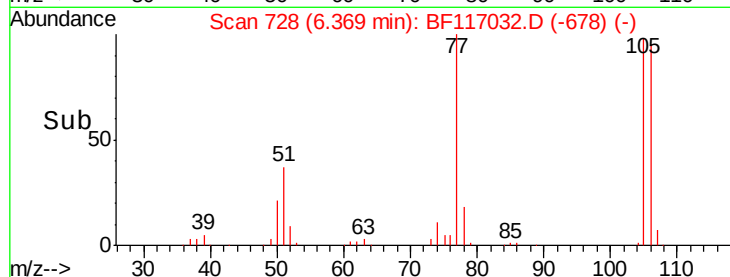
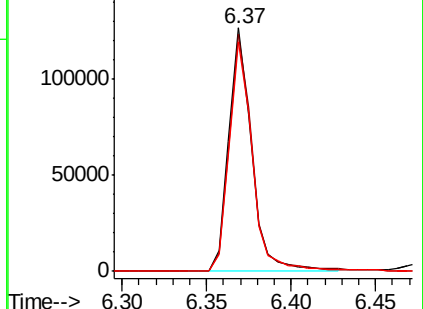
106 94.5 77.3 117.3



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: 44.116 ng

RT: 6.47 min Scan# 746

Delta R.T. 0.00 min

Lab File: BF117032.D

Acq: 13 Sep 2019 19:45

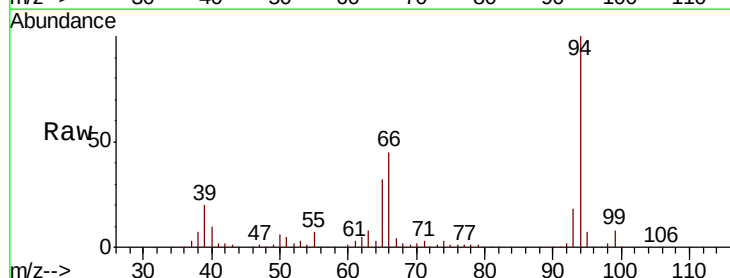
Tgt Ion: 94 Resp: 272435

Ion Ratio Lower Upper

94 100

65 32.0 12.5 52.5

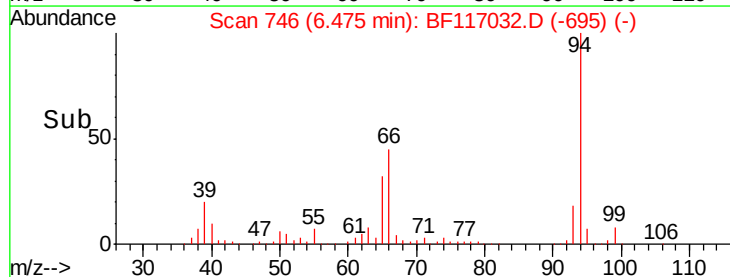
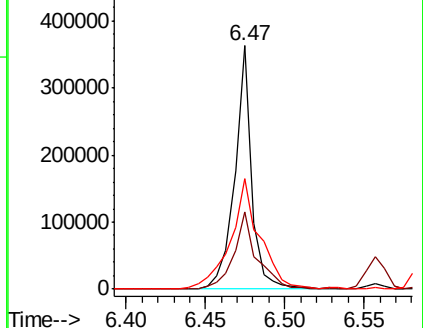
66 45.3 28.9 68.9

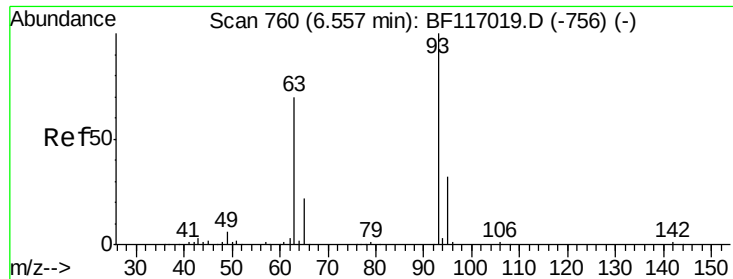


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

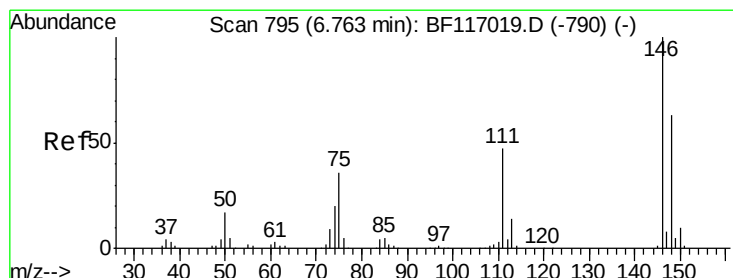
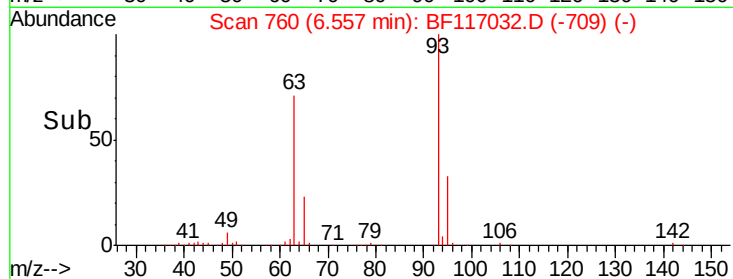
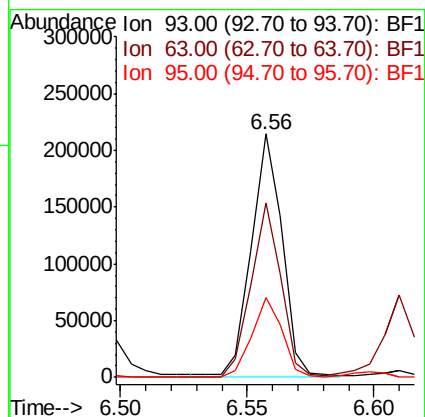
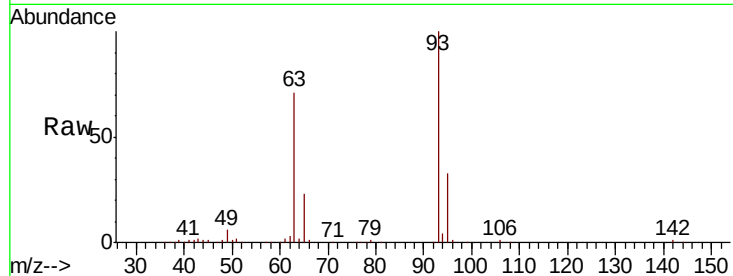




#11
bis(2-Chloroethyl)ether
Concen: 40.617 ng
RT: 6.56 min Scan# 760
Delta R.T. 0.00 min
Lab File: BF117032.D
Acq: 13 Sep 2019 19:45

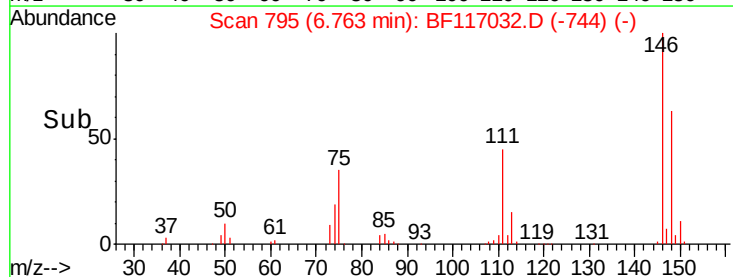
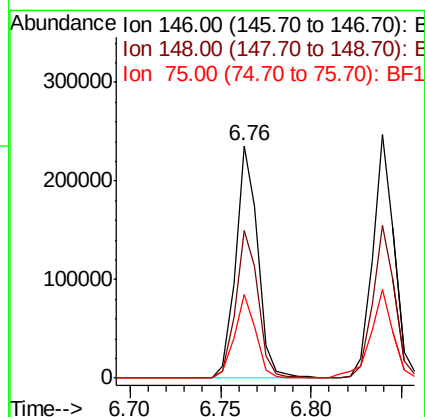
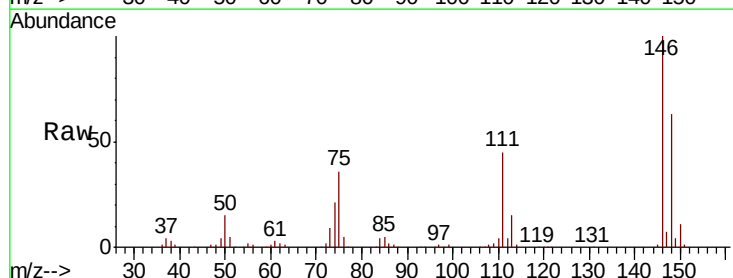
Instrument :
BNA_F
ClientSampled :

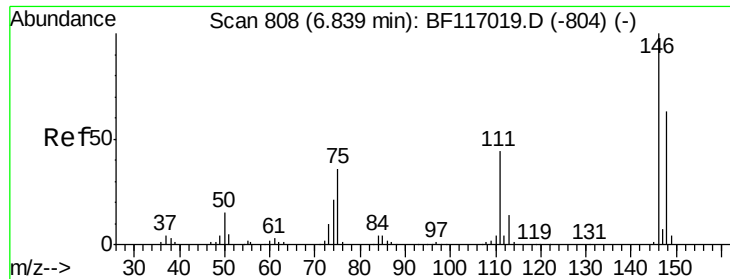
Tot Ion: 93 Resp: 184353
Ion Ratio Lower Upper
93 100
63 71.5 49.3 89.3
95 32.8 11.5 51.5



#12
1,3-Dichlorobenzene
Concen: 38.100 ng
RT: 6.76 min Scan# 795
Delta R.T. 0.00 min
Lab File: BF117032.D
Acq: 13 Sep 2019 19:45

Tgt Ion: 146 Resp: 199917
Ion Ratio Lower Upper
146 100
148 63.3 50.8 76.2
75 35.8 28.7 43.1

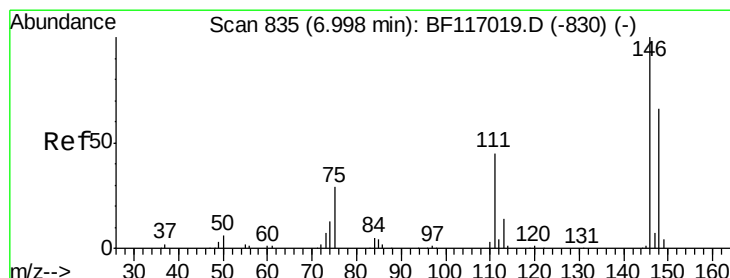
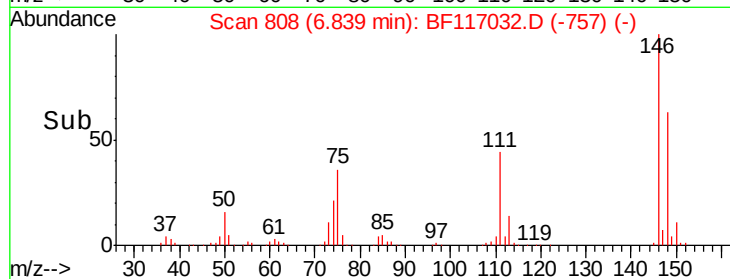
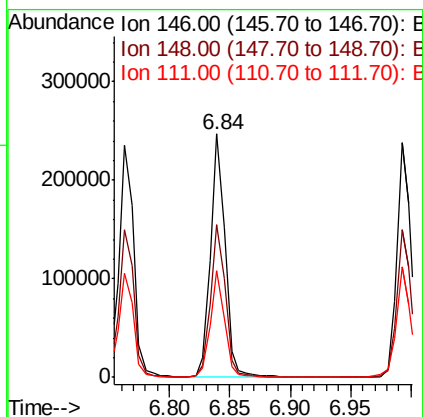
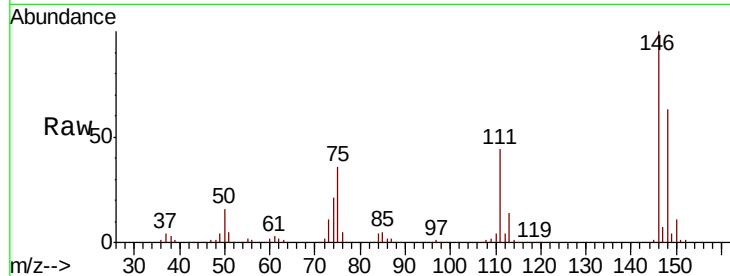




#13
 1,4-Dichlorobenzene
 Concen: 38.863 ng
 RT: 6.84 min Scan# 808
 Delta R.T. 0.00 min
 Lab File: BF117032.D
 Acq: 13 Sep 2019 19:45

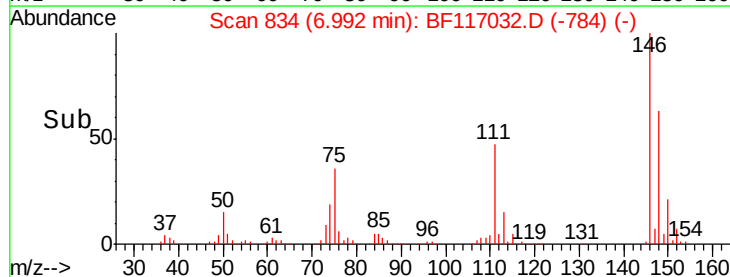
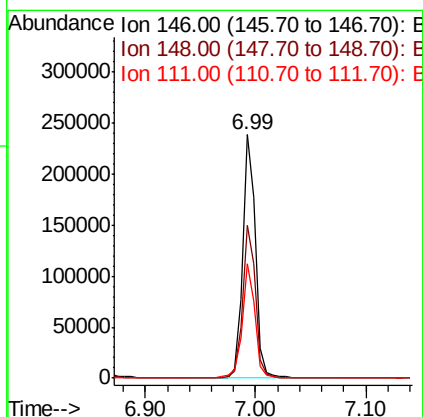
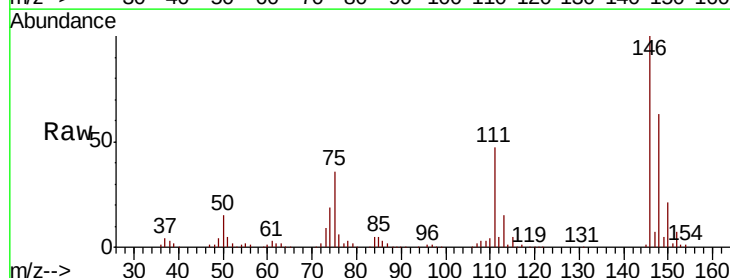
Instrument :
 BNA_F
 ClientSampleId :

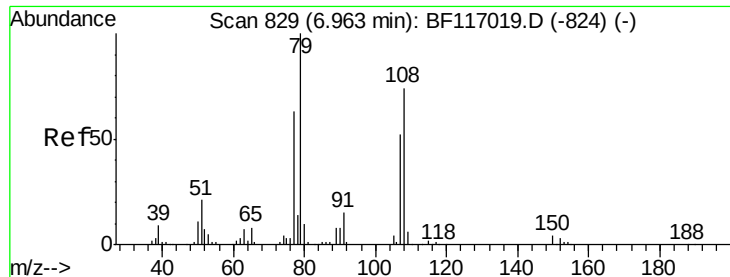
Tot Ion	Ratio	Lower	Upper
146	100		
148	62.8	50.6	76.0
111	43.7	35.0	52.6



#14
 1,2-Dichlorobenzene
 Concen: 38.878 ng
 RT: 6.99 min Scan# 834
 Delta R.T. -0.01 min
 Lab File: BF117032.D
 Acq: 13 Sep 2019 19:45

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.8	52.6	78.8
111	47.2	36.2	54.2

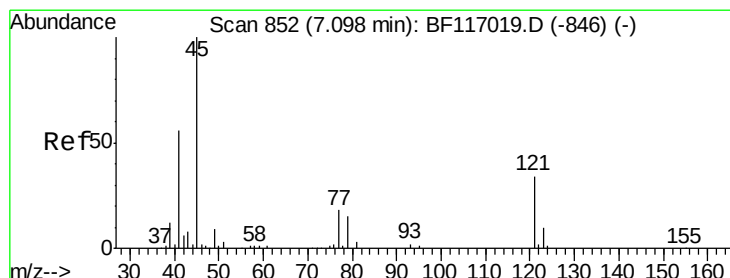
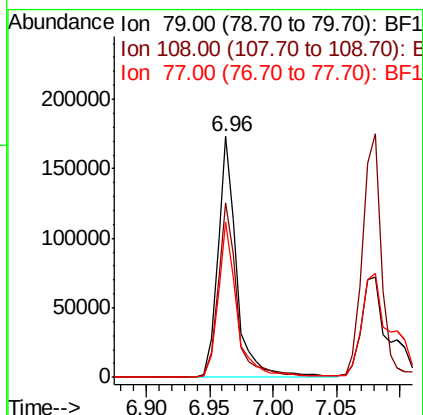
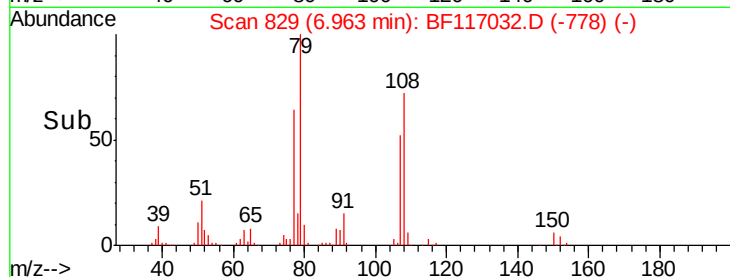
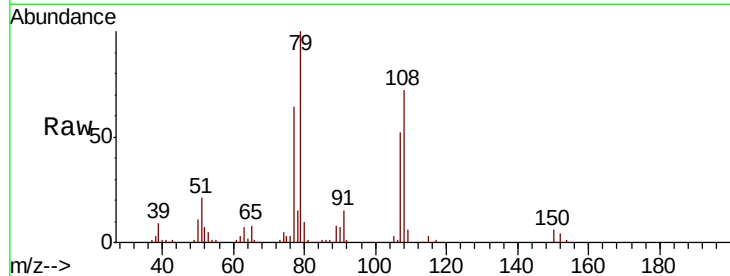




#15
Benzyl Alcohol
Concen: 41.872 ng
RT: 6.96 min Scan# 829
Delta R.T. 0.00 min
Lab File: BF117032.D
Acq: 13 Sep 2019 19:45

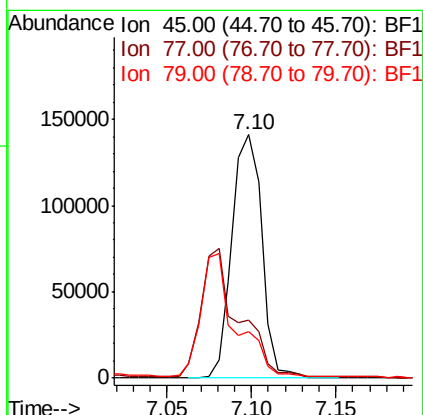
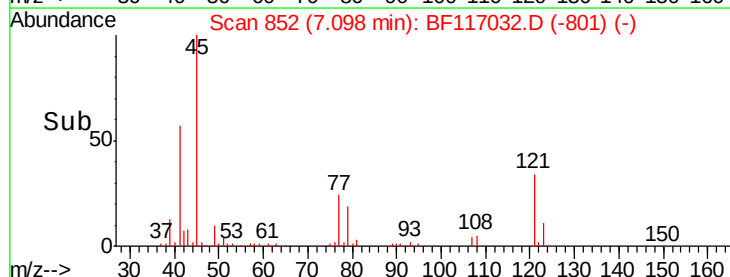
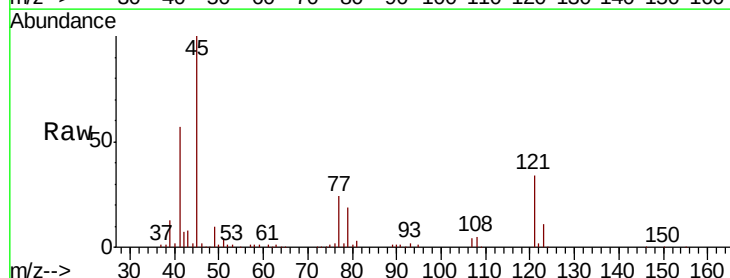
Instrument :
BNA_F
ClientSampled :

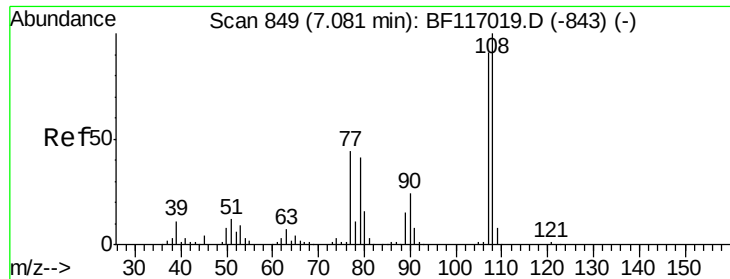
Tot Ion: 79 Resp: 179872
Ion Ratio Lower Upper
79 100
108 72.5 59.4 89.0
77 64.2 50.2 75.2



#16
2,2'-oxybis(1-chloropropane)
Concen: 38.856 ng
RT: 7.10 min Scan# 852
Delta R.T. 0.00 min
Lab File: BF117032.D
Acq: 13 Sep 2019 19:45

Tgt Ion: 45 Resp: 174239
Ion Ratio Lower Upper
45 100
77 23.9 2.7 42.7
79 19.3 0.0 38.9

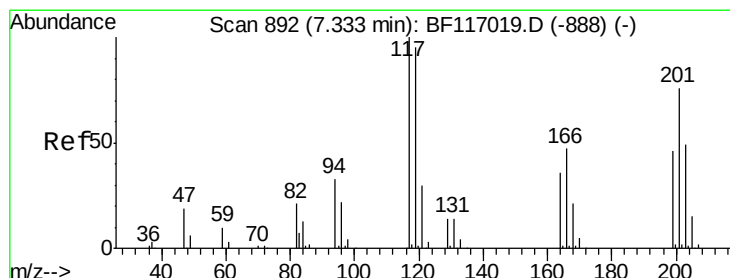
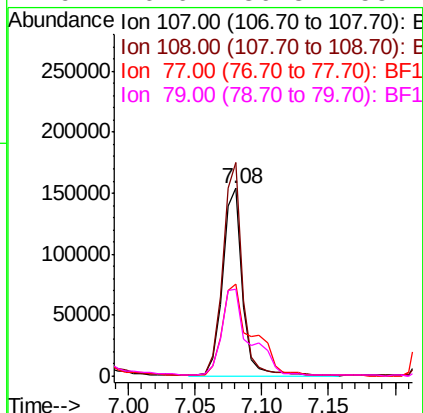
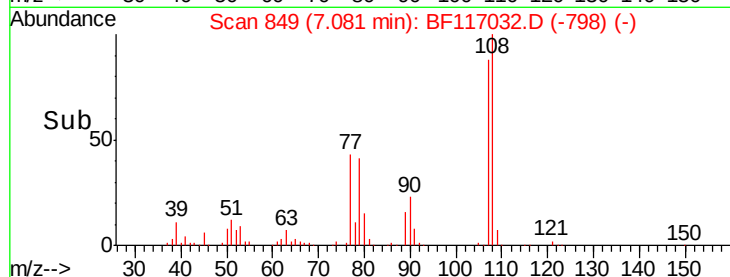
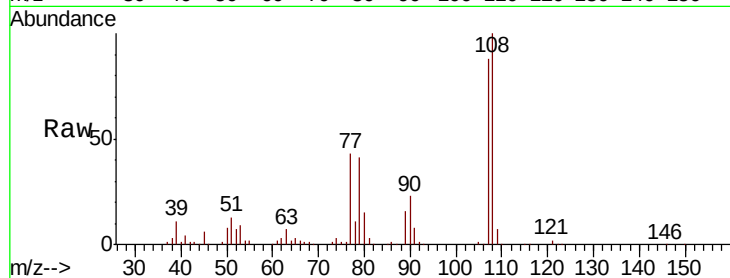




#17
2-Methylphenol
Concen: 41.219 ng
RT: 7.08 min Scan# 849
Delta R.T. 0.00 min
Lab File: BF117032.D
Acq: 13 Sep 2019 19:45

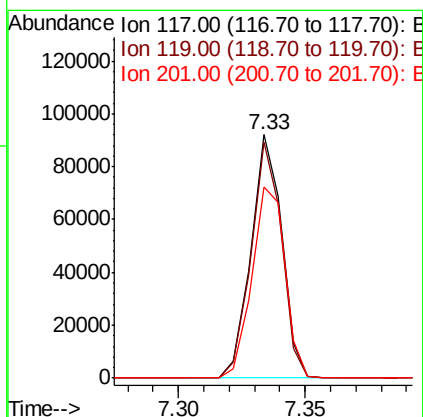
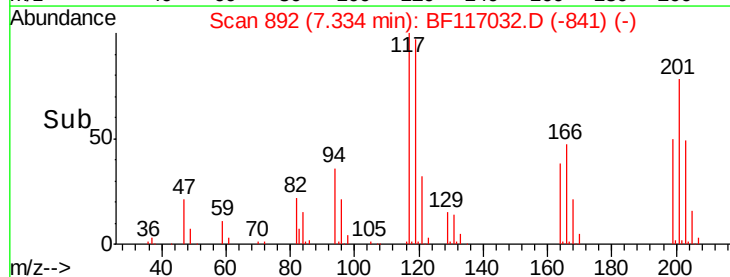
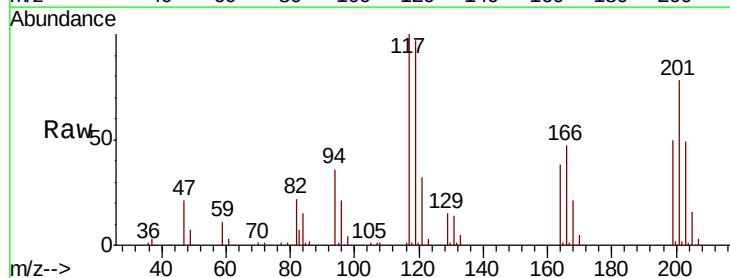
Instrument :
BNA_F
ClientSampleId :

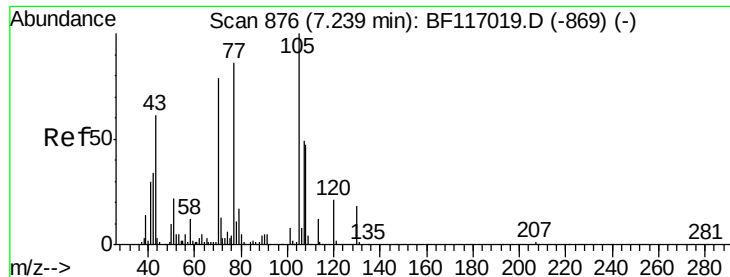
Tot Ion:	107	Resp:	161538
Ion	Ratio	Lower	Upper
107	100		
108	113.6	87.7	131.5
77	48.8	38.6	58.0
79	46.6	36.8	55.2



#18
Hexachloroethane
Concen: 37.980 ng
RT: 7.33 min Scan# 892
Delta R.T. 0.00 min
Lab File: BF117032.D
Acq: 13 Sep 2019 19:45

Tgt Ion:	117	Resp:	78241
Ion	Ratio	Lower	Upper
117	100		
119	97.0	75.8	113.8
201	78.4	60.9	91.3

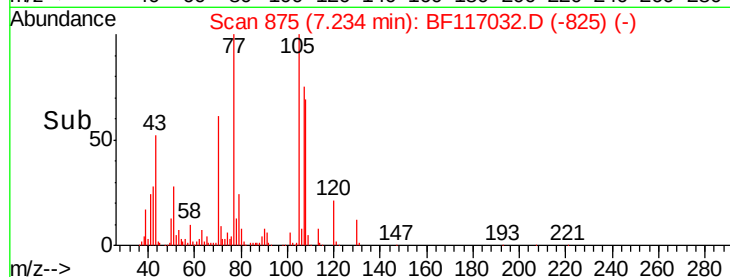
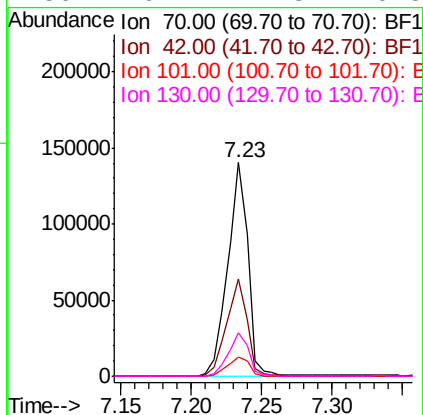
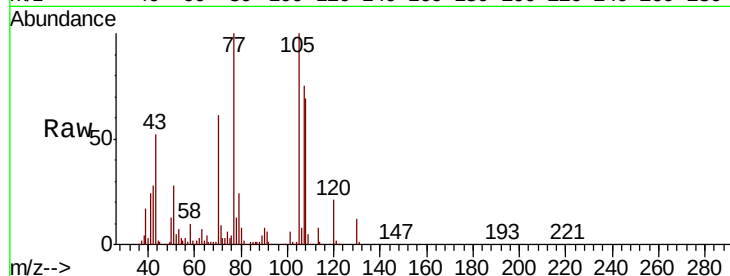




#19
n-Nitroso-di-n-propylamine
Concen: 41.284 ng
RT: 7.23 min Scan# 875
Delta R.T. -0.01 min
Lab File: BF117032.D
Acq: 13 Sep 2019 19:45

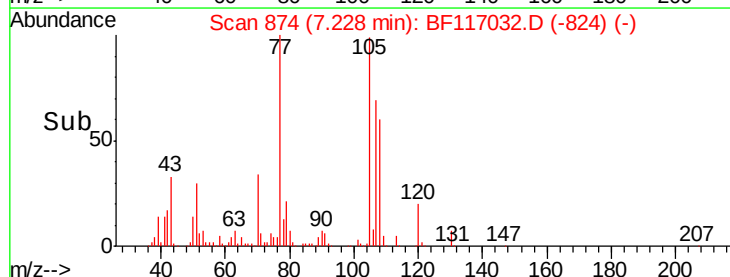
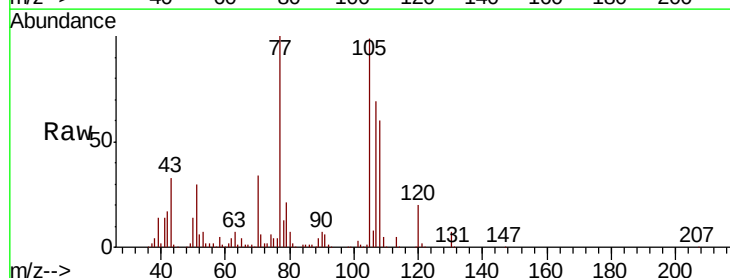
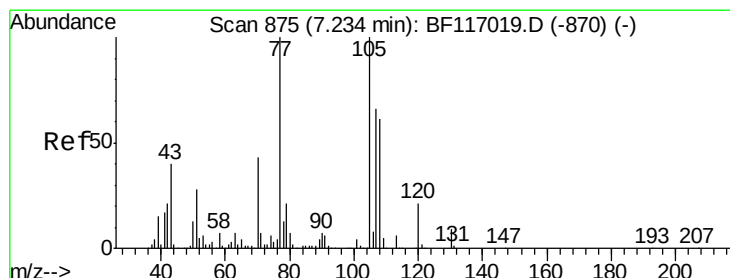
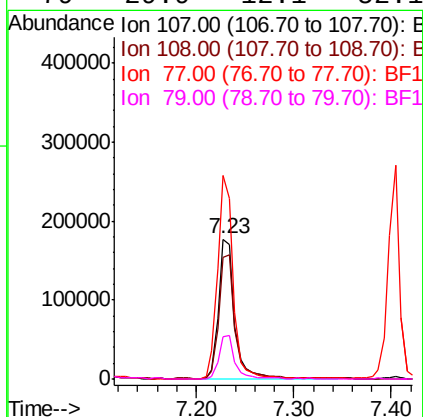
Instrument :
BNA_F
ClientSampleId :

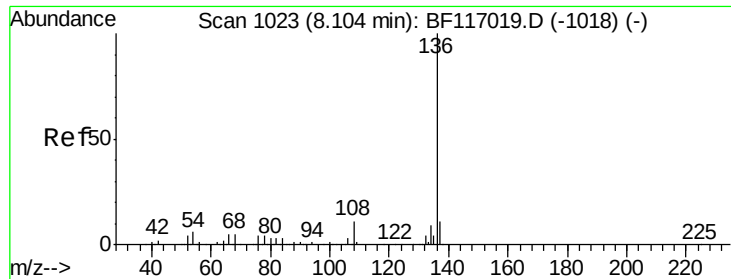
Tot Ion: 70 Resp: 140823
Ion Ratio Lower Upper
70 100
42 45.5 34.0 51.0
101 9.0 7.8 11.6
130 20.2 17.8 26.8



#20
3+4-Methylphenols
Concen: 41.356 ng
RT: 7.23 min Scan# 874
Delta R.T. -0.01 min
Lab File: BF117032.D
Acq: 13 Sep 2019 19:45

Tgt Ion:107 Resp: 201883
Ion Ratio Lower Upper
107 100
108 86.9 72.6 112.6
77 145.2 132.1 172.1
79 29.9 12.1 52.1

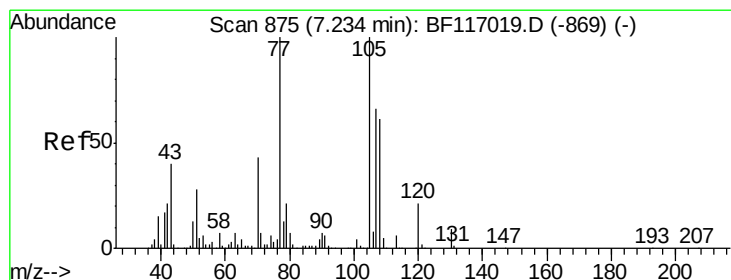
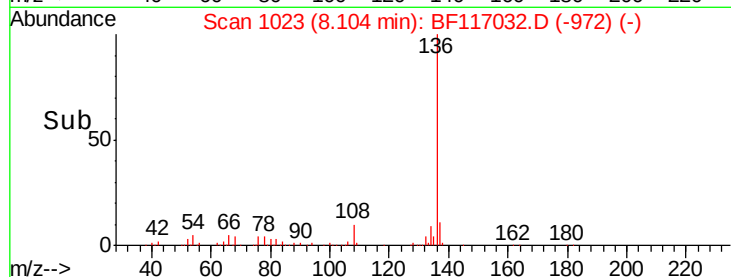
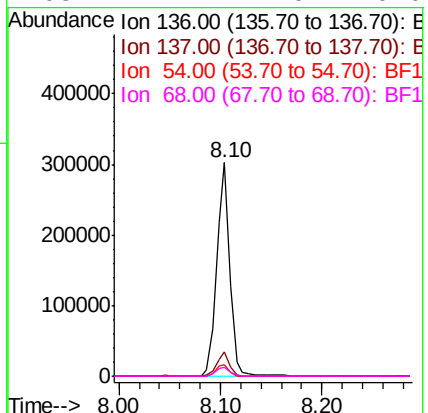
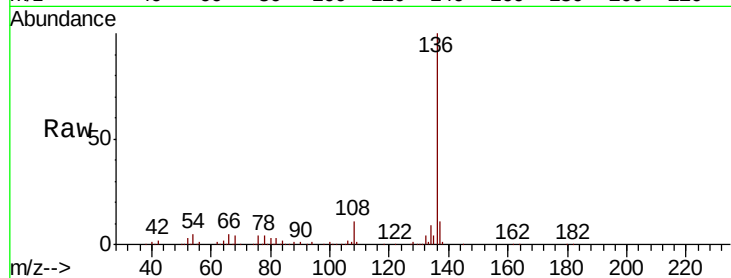




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. 0.00 min
Lab File: BF117032.D
Acq: 13 Sep 2019 19:45

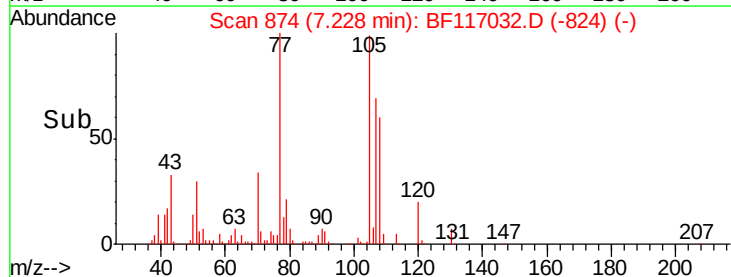
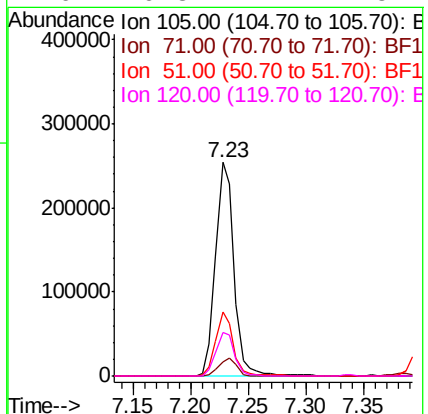
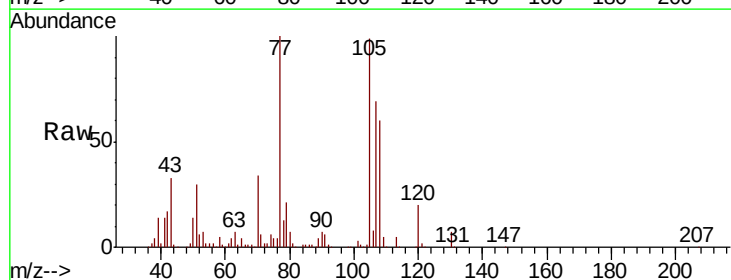
Instrument :
BNA_F
ClientSampleId :

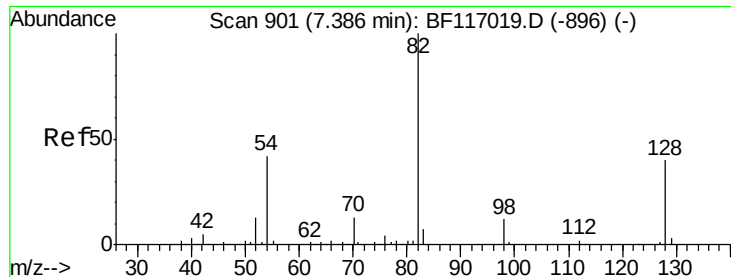
Tot Ion:136	Resp:	270004	
Ion Ratio	Lower	Upper	
136 100			
137 11.1	9.0	13.4	
54 5.1	4.5	6.7	
68 4.4	4.0	6.0	



#22
Acetophenone
Concen: 41.304 ng
RT: 7.23 min Scan# 874
Delta R.T. -0.01 min
Lab File: BF117032.D
Acq: 13 Sep 2019 19:45

Tgt	Ion:105	Resp:	283343
Ion	Ratio	Lower	Upper
105	100		
71	6.4	5.7	8.5
51	29.9	22.1	33.1
120	20.3	17.1	25.7

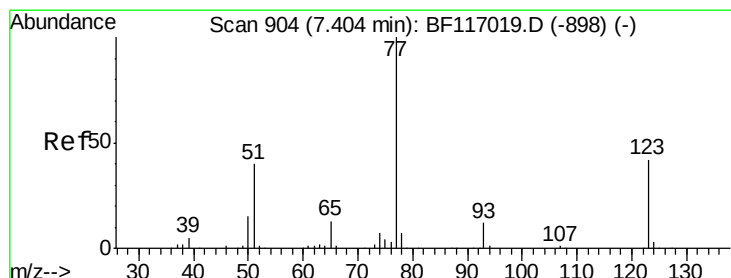
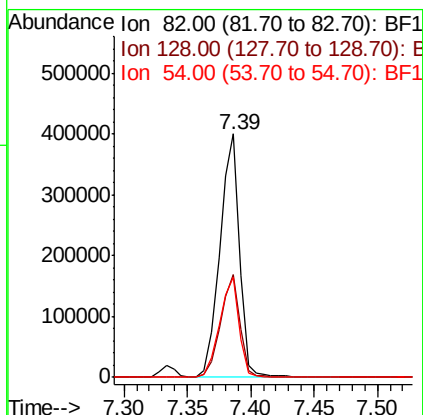
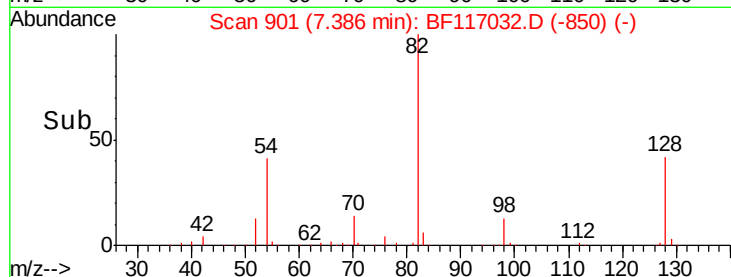
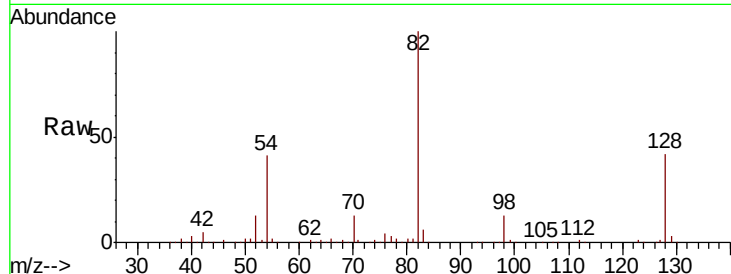




#23
 Nitrobenzene-d5
 Concen: 84.533 ng
 RT: 7.39 min Scan# 901
 Delta R.T. 0.00 min
 Lab File: BF117032.D
 Acq: 13 Sep 2019 19:45

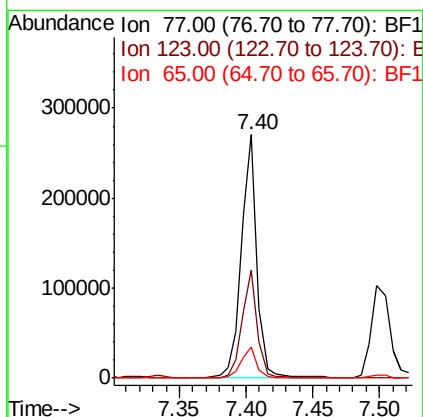
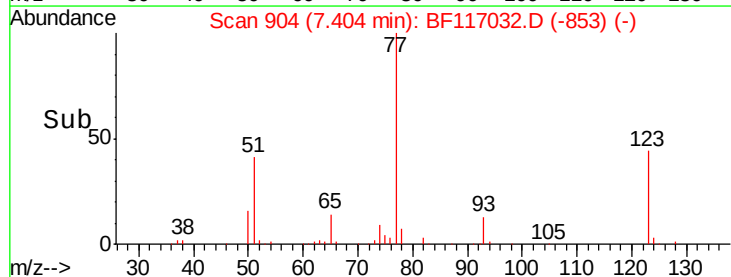
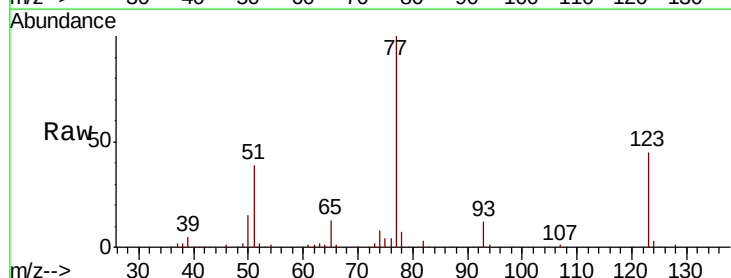
Instrument :
 BNA_F
 ClientSampleId :

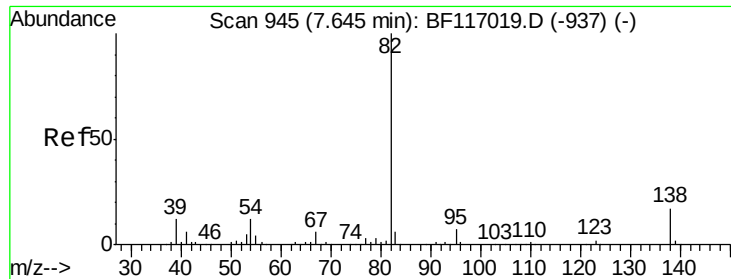
Tot Ion: 82 Resp: 434394
 Ion Ratio Lower Upper
 82 100
 128 42.0 32.3 48.5
 54 41.0 33.3 49.9



#24
 Nitrobenzene
 Concen: 43.167 ng
 RT: 7.40 min Scan# 904
 Delta R.T. 0.00 min
 Lab File: BF117032.D
 Acq: 13 Sep 2019 19:45

Tgt Ion: 77 Resp: 219061
 Ion Ratio Lower Upper
 77 100
 123 44.5 33.5 50.3
 65 12.7 10.5 15.7





#25

Isophorone

Concen: 42.566 ng

RT: 7.64 min Scan# 944

Delta R.T. -0.01 min

Lab File: BF117032.D

Acq: 13 Sep 2019 19:45

Instrument :

BNA_F

ClientSampled :

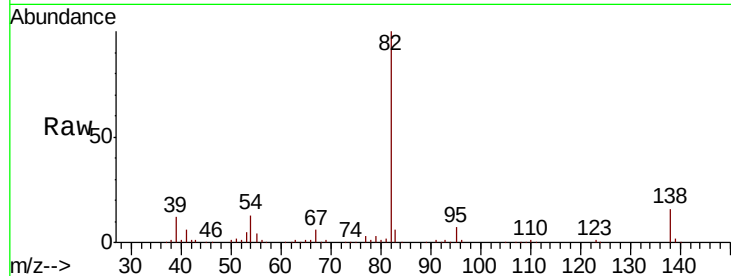
Tot Ion: 82 Resp: 387289

Ion Ratio Lower Upper

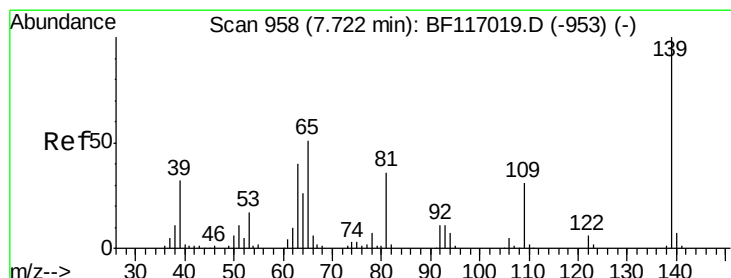
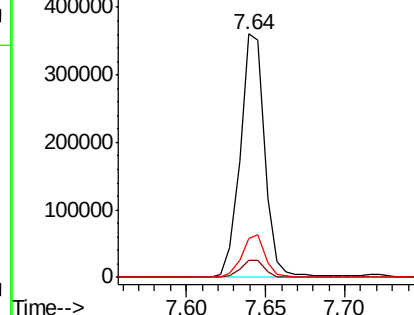
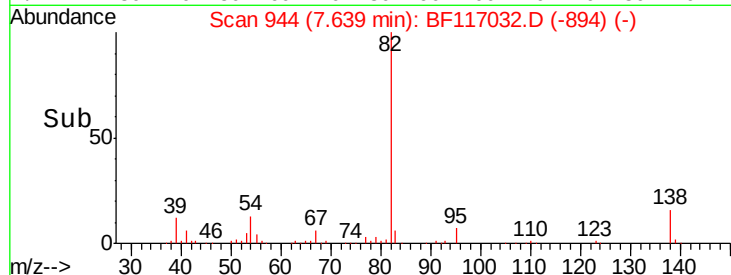
82 100

95 7.0 5.8 8.6

138 15.8 13.5 20.3



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: 45.505 ng

RT: 7.72 min Scan# 958

Delta R.T. 0.00 min

Lab File: BF117032.D

Acq: 13 Sep 2019 19:45

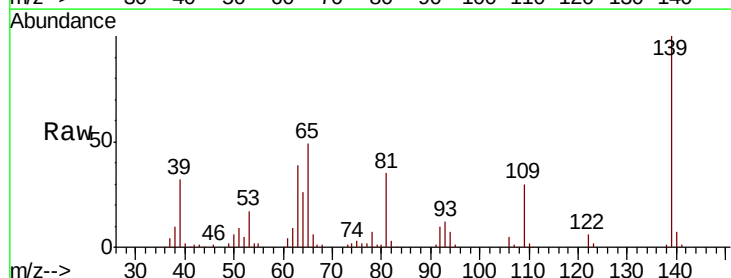
Tgt Ion: 139 Resp: 99190

Ion Ratio Lower Upper

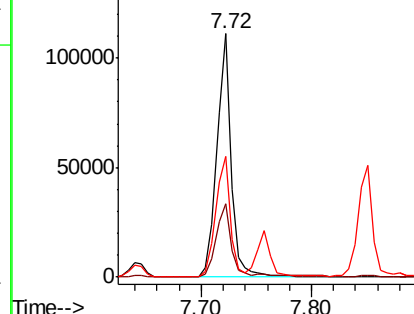
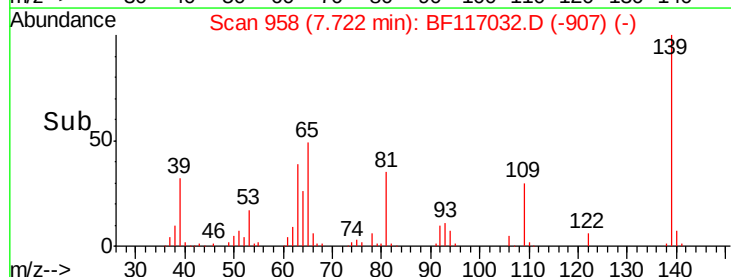
139 100

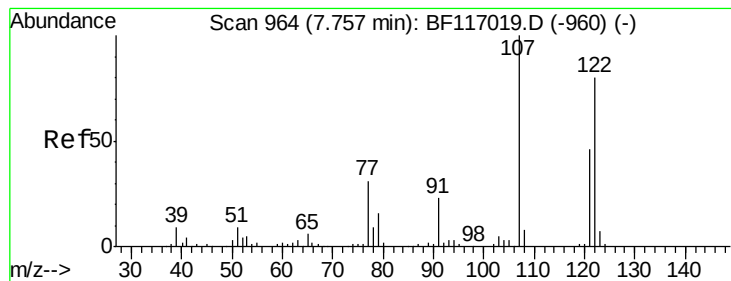
109 29.9 24.6 36.8

65 49.3 40.9 61.3



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





#27

2,4-Dimethylphenol

Concen: 48.230 ng

RT: 7.76 min Scan# 964

Delta R.T. 0.00 min

Lab File: BF117032.D

Acq: 13 Sep 2019 19:45

Instrument :

BNA_F

ClientSampled :

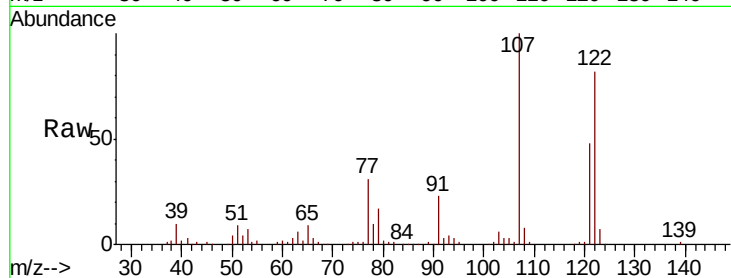
Tot Ion:122 Resp: 166718

Ion Ratio Lower Upper

122 100

107 122.1 98.9 148.3

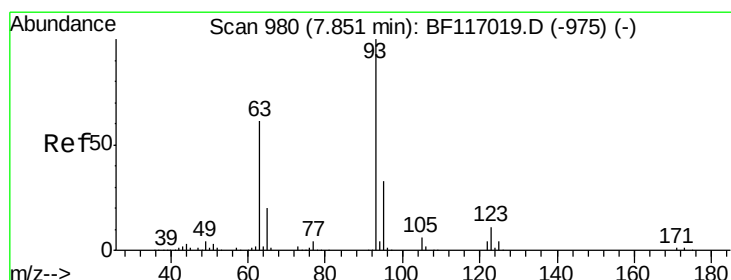
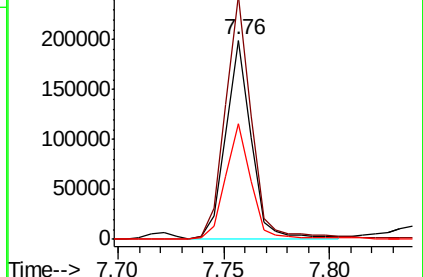
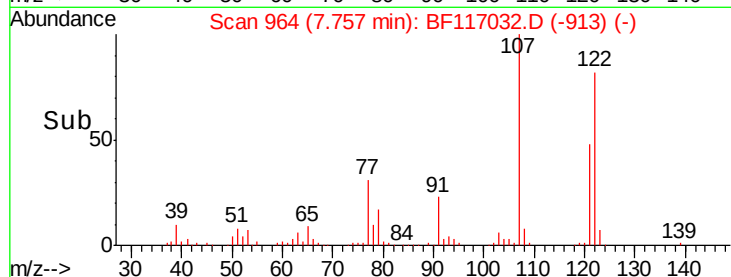
121 58.1 45.3 67.9



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: 41.620 ng

RT: 7.85 min Scan# 980

Delta R.T. 0.00 min

Lab File: BF117032.D

Acq: 13 Sep 2019 19:45

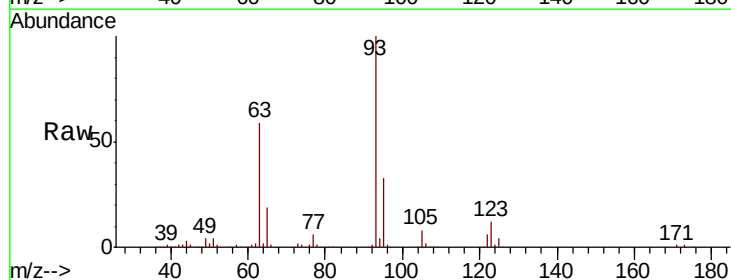
Tgt Ion: 93 Resp: 233313

Ion Ratio Lower Upper

93 100

95 32.6 26.2 39.4

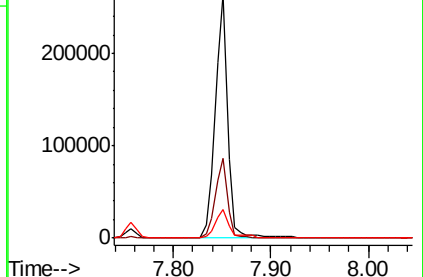
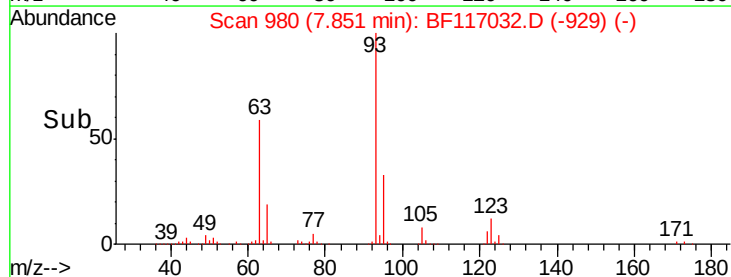
123 12.0 9.0 13.6

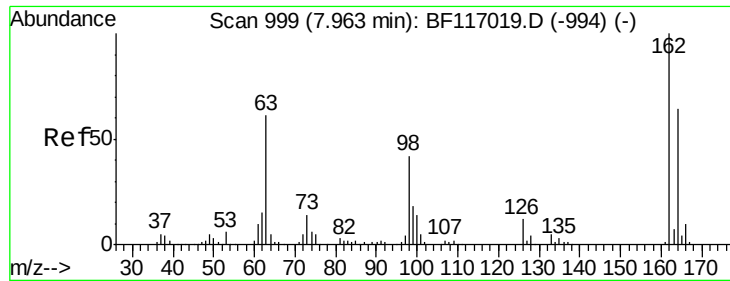


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E

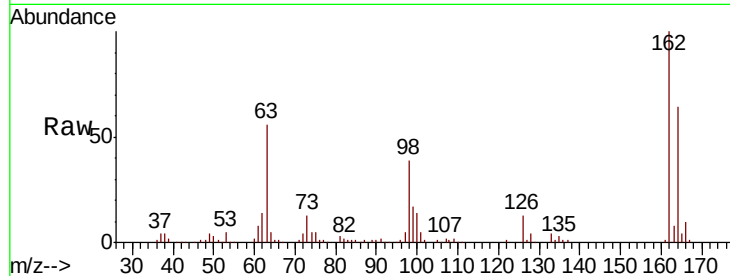




#29
 2,4-Dichlorophenol
 Concen: 43.795 ng
 RT: 7.96 min Scan# 999
 Delta R.T. 0.00 min
 Lab File: BF117032.D
 Acq: 13 Sep 2019 19:45

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
162	100		
164	63.8	43.8	83.8
98	39.1	22.1	62.1

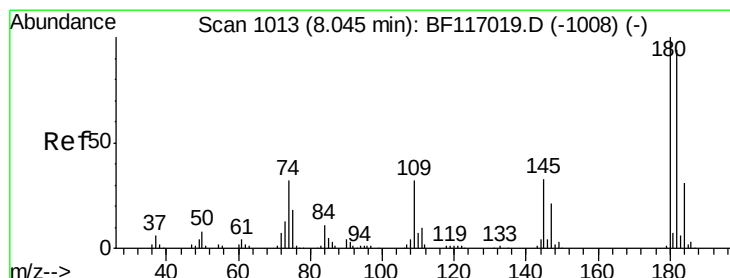
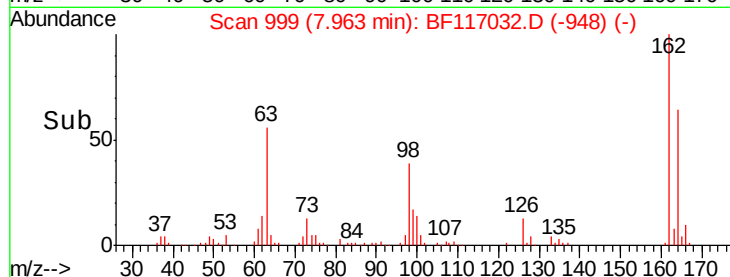
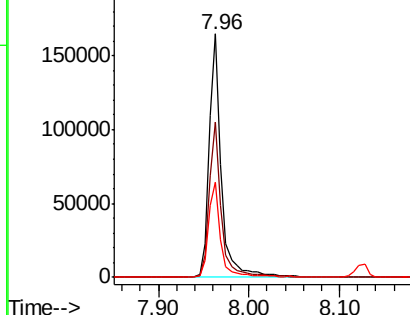


Abundance

Ion 162.00 (161.70 to 162.70): E

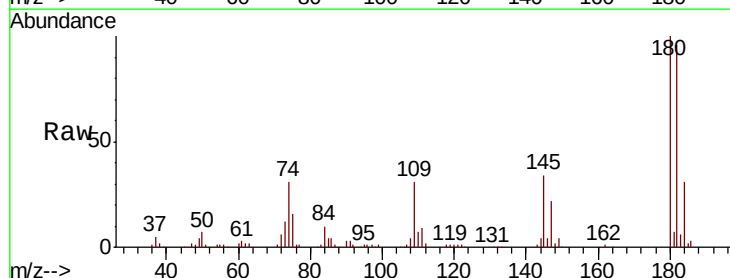
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30
 1,2,4-Trichlorobenzene
 Concen: 39.940 ng
 RT: 8.05 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: BF117032.D
 Acq: 13 Sep 2019 19:45

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	75.4	113.0
145	34.4	26.7	40.1

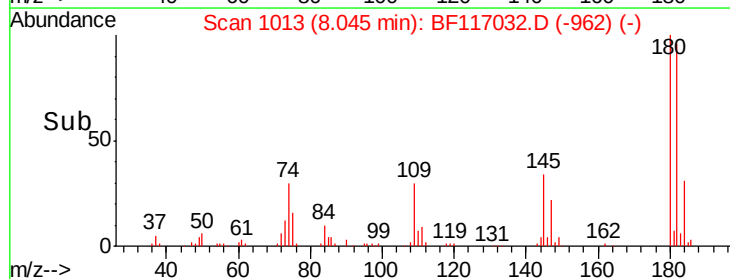
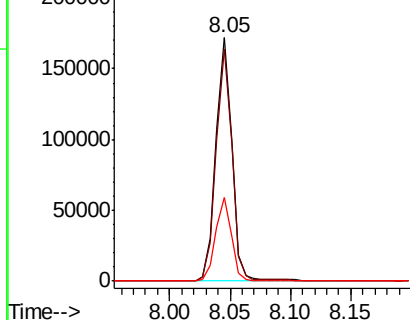


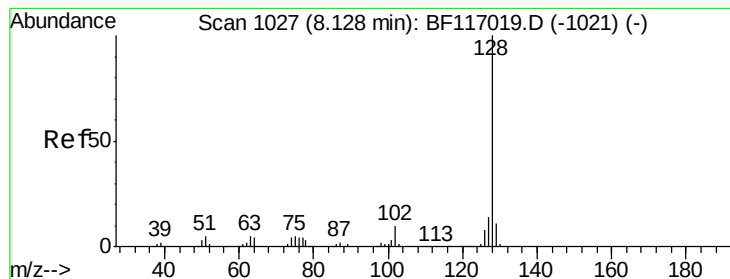
Abundance

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: 41.963 ng

RT: 8.13 min Scan# 1027

Delta R.T. 0.00 min

Lab File: BF117032.D

Acq: 13 Sep 2019 19:45

Instrument :

BNA_F

ClientSampleId :

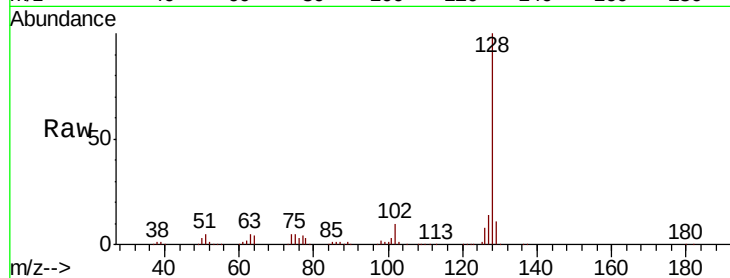
Tot Ion:128 Resp: 544908

Ion Ratio Lower Upper

128 100

129 11.1 9.0 13.4

127 13.6 10.8 16.2

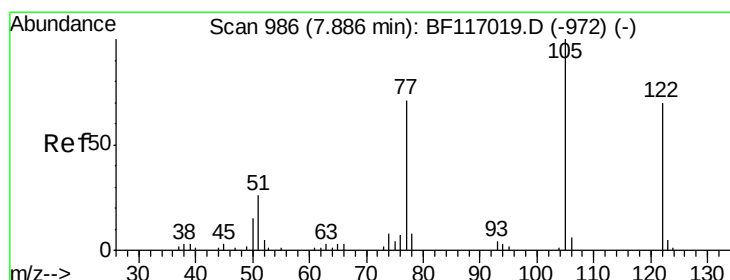
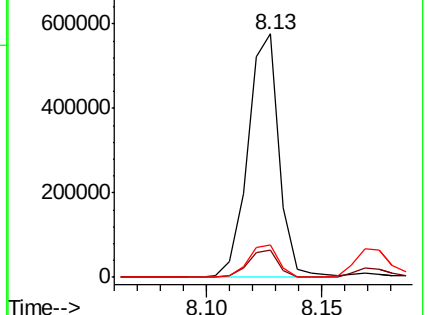
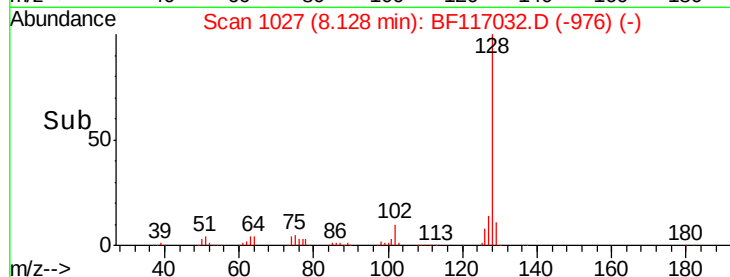


Abundance

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: 33.329 ng

RT: 7.88 min Scan# 985

Delta R.T. -0.01 min

Lab File: BF117032.D

Acq: 13 Sep 2019 19:45

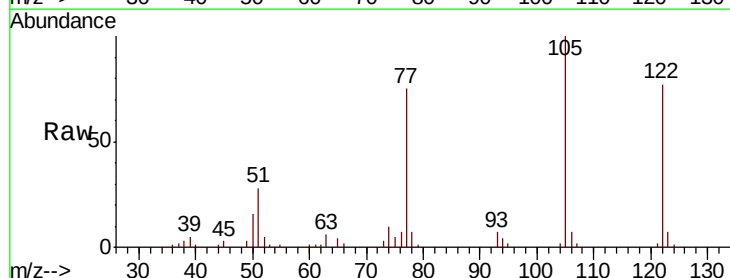
Tgt Ion:122 Resp: 80895

Ion Ratio Lower Upper

122 100

105 129.5 114.8 154.8

77 97.6 78.7 118.7

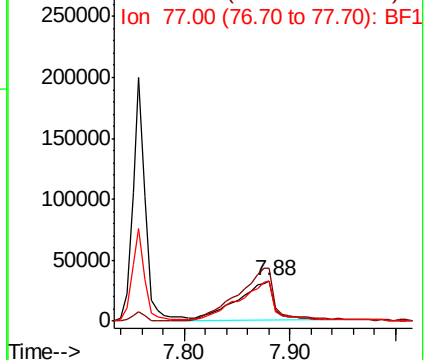
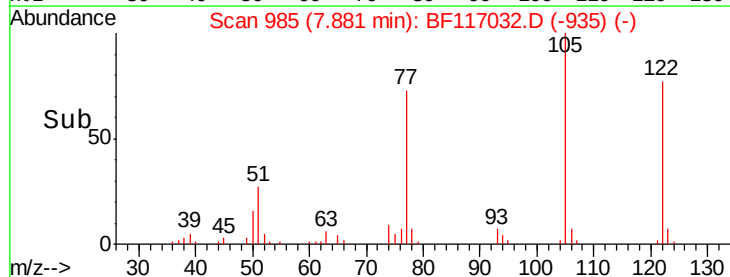


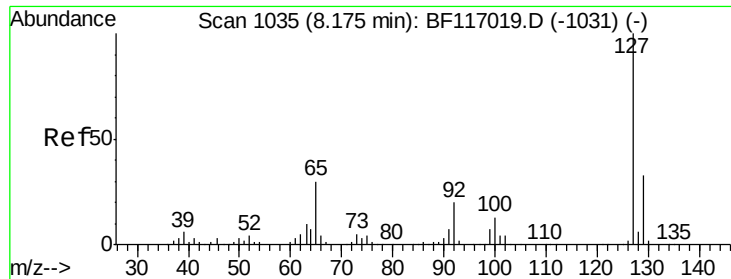
Abundance

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

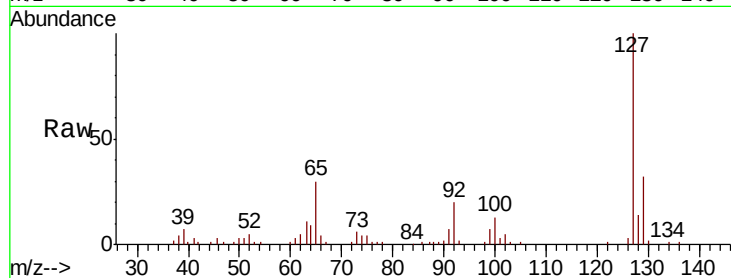




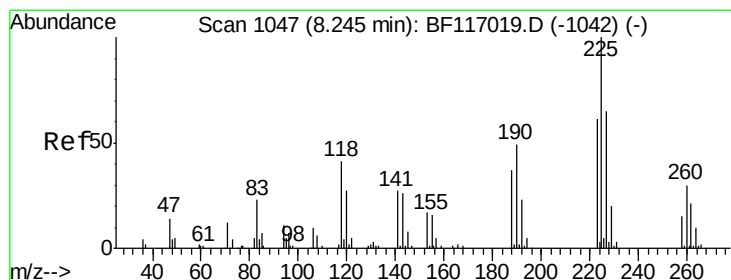
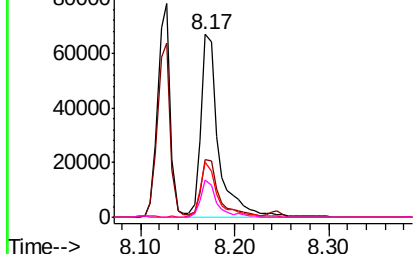
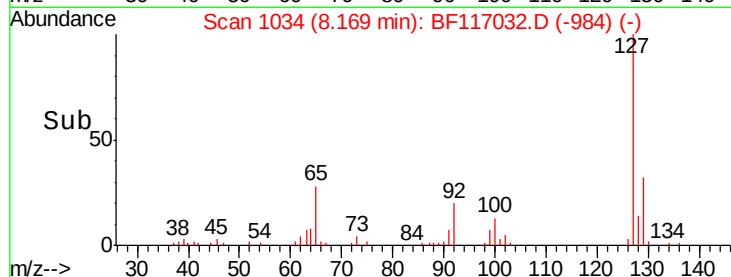
#33
4-Chloroaniline
Concen: 15.475 ng
RT: 8.17 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BF117032.D
Acq: 13 Sep 2019 19:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:127	Resp:	89126	
Ion Ratio	Lower	Upper	
127 100			
129 31.8	26.2	39.2	
65 30.1	23.5	35.3	
92 20.4	15.9	23.9	

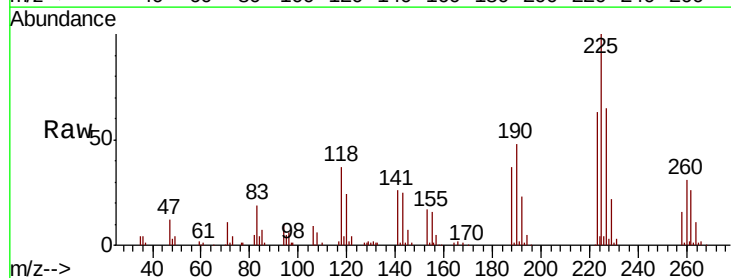


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

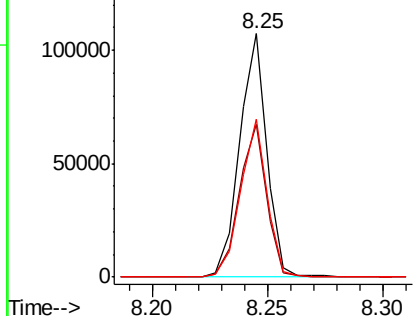
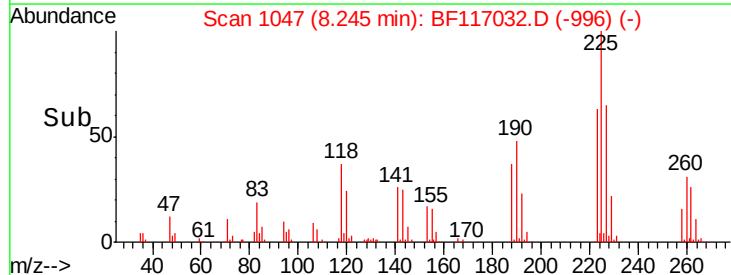


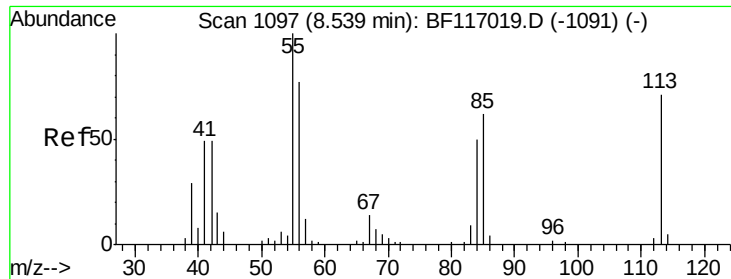
#34
Hexachlorobutadiene
Concen: 39.479 ng
RT: 8.25 min Scan# 1047
Delta R.T. 0.00 min
Lab File: BF117032.D
Acq: 13 Sep 2019 19:45

Tgt	Ion:225	Resp:	87647
Ion	Ratio	Lower	Upper
225	100		
223	62.7	49.1	73.7
227	64.8	52.2	78.2



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

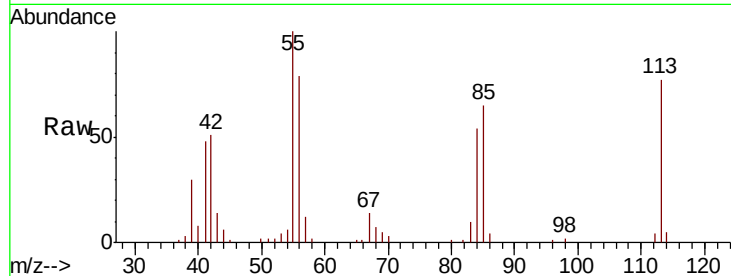




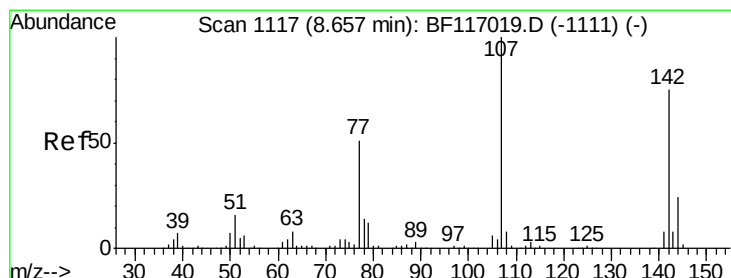
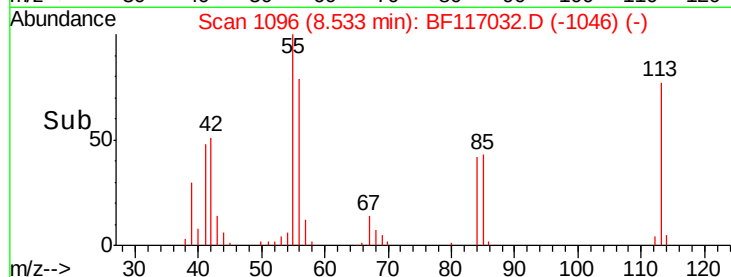
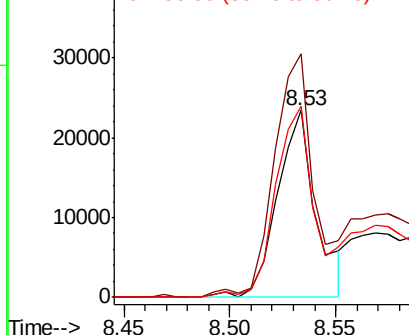
#35
 Caprolactam
 Concen: 23.992 ng
 RT: 8.53 min Scan# 1096
 Delta R.T. -0.01 min
 Lab File: BF117032.D
 Acq: 13 Sep 2019 19:45

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:113 Resp: 29413
 Ion Ratio Lower Upper
 113 100
 55 130.0 120.6 160.6
 56 102.4 88.8 128.8

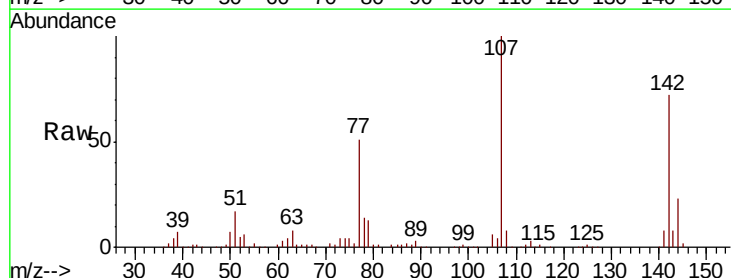


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF1
 Ion 56.00 (55.70 to 56.70): BF1

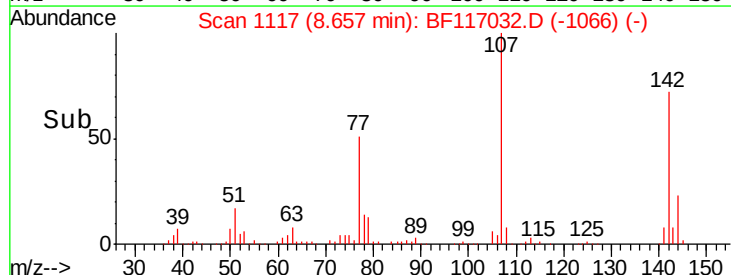
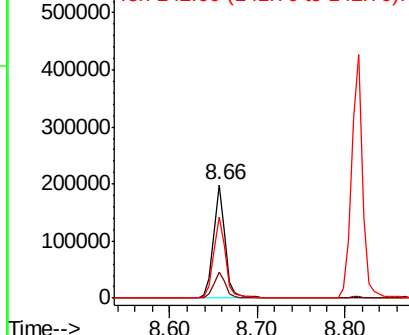


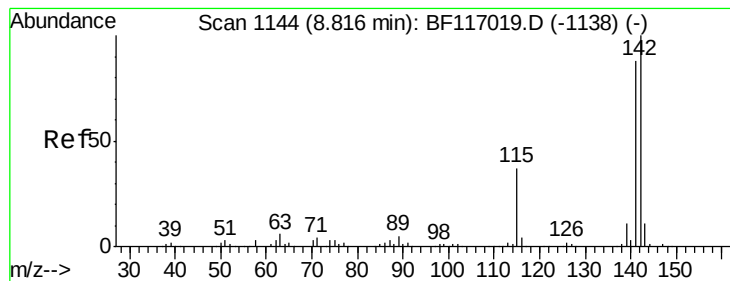
#36
 4-Chloro-3-methylphenol
 Concen: 44.499 ng
 RT: 8.66 min Scan# 1117
 Delta R.T. 0.00 min
 Lab File: BF117032.D
 Acq: 13 Sep 2019 19:45

Tgt Ion:107 Resp: 187934
 Ion Ratio Lower Upper
 107 100
 144 22.8 19.2 28.8
 142 71.6 59.6 89.4



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: 42.867 ng

RT: 8.82 min Scan# 1144

Delta R.T. 0.00 min

Lab File: BF117032.D

Acq: 13 Sep 2019 19:45

Instrument :

BNA_F

ClientSampleId :

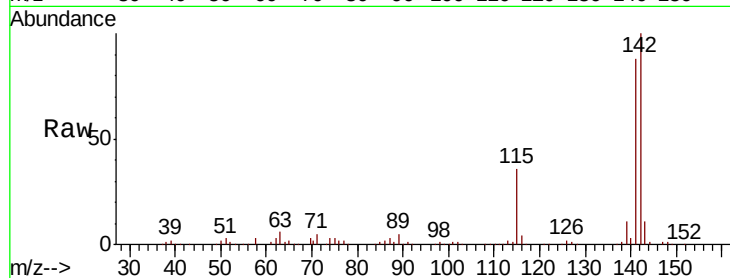
Tot Ion:142 Resp: 374846

Ion Ratio Lower Upper

142 100

141 88.1 70.7 106.1

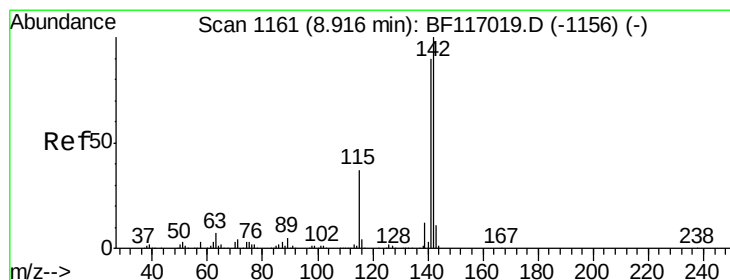
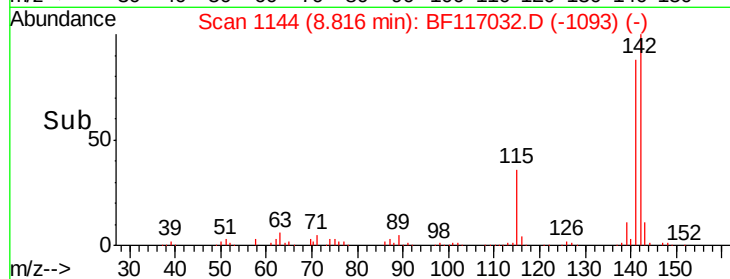
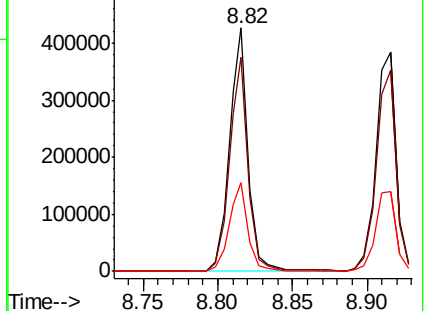
115 36.3 29.4 44.0



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: 42.787 ng

RT: 8.92 min Scan# 1161

Delta R.T. 0.00 min

Lab File: BF117032.D

Acq: 13 Sep 2019 19:45

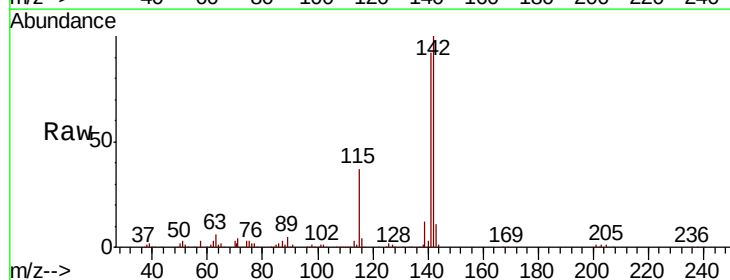
Tgt Ion:142 Resp: 350419

Ion Ratio Lower Upper

142 100

141 92.1 71.9 107.9

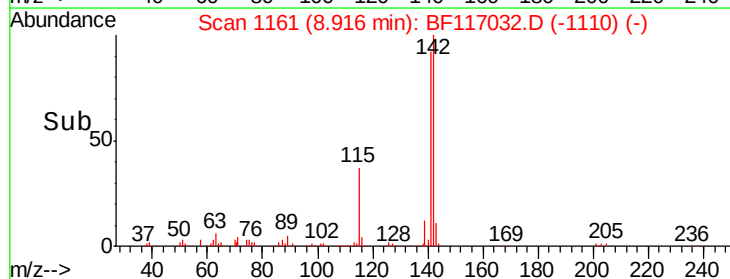
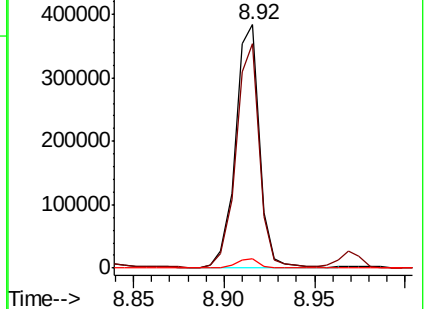
116 3.8 3.2 4.8

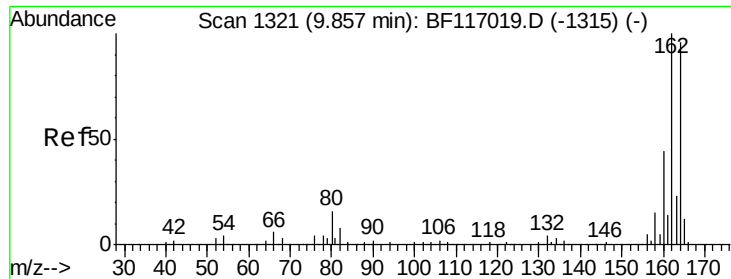


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

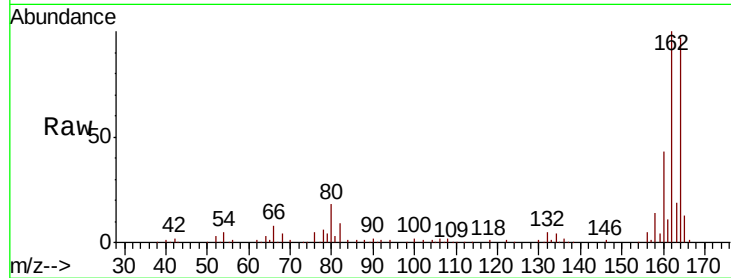




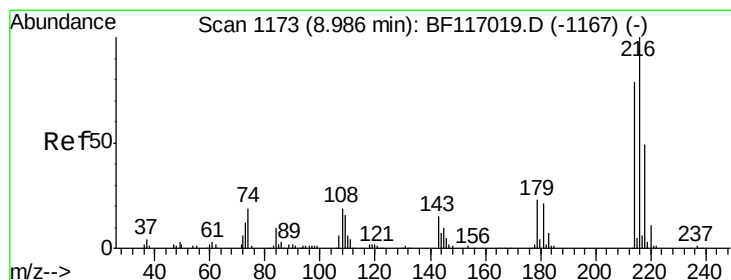
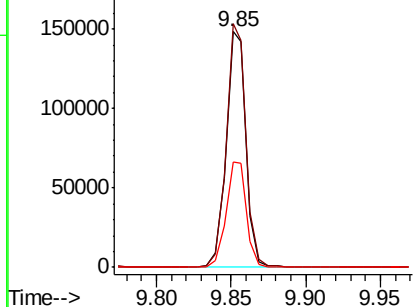
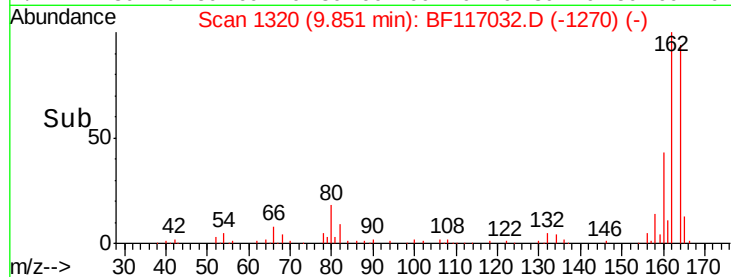
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF117032.D
Acq: 13 Sep 2019 19:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 140174
Ion Ratio Lower Upper
164 100
162 103.3 83.4 125.2
160 44.8 36.4 54.6

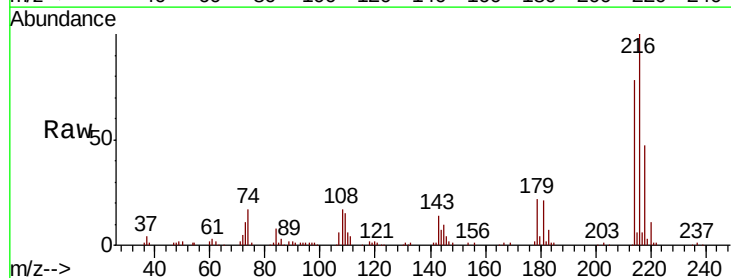


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

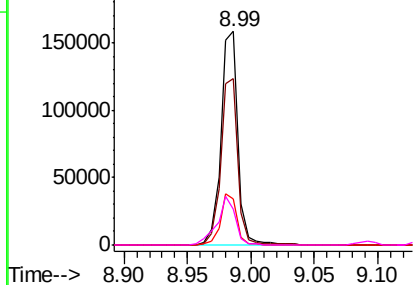
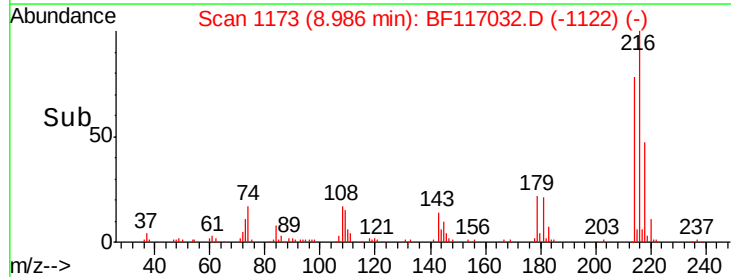


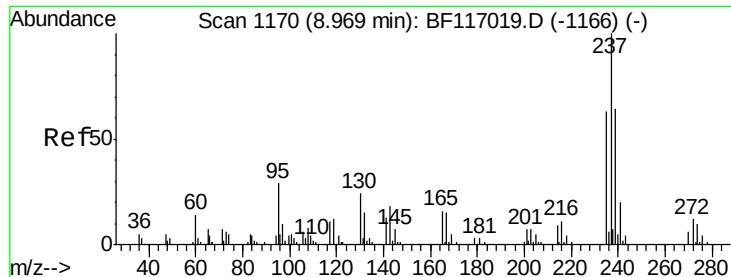
#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.981 ng
RT: 8.99 min Scan# 1173
Delta R.T. 0.00 min
Lab File: BF117032.D
Acq: 13 Sep 2019 19:45

Tgt Ion:216 Resp: 148338
Ion Ratio Lower Upper
216 100
214 78.7 63.6 95.4
179 23.2 18.3 27.5
108 24.4 17.8 26.6



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: 86.529 ng

RT: 8.97 min Scan# 1170

Delta R.T. 0.00 min

Lab File: BF117032.D

Acq: 13 Sep 2019 19:45

Instrument :

BNA_F

ClientSampleId :

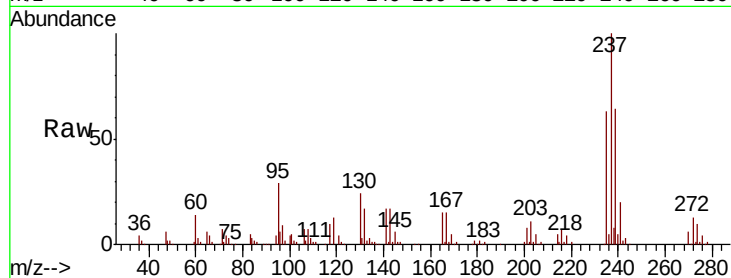
Tot Ion:237 Resp: 139581

Ion Ratio Lower Upper

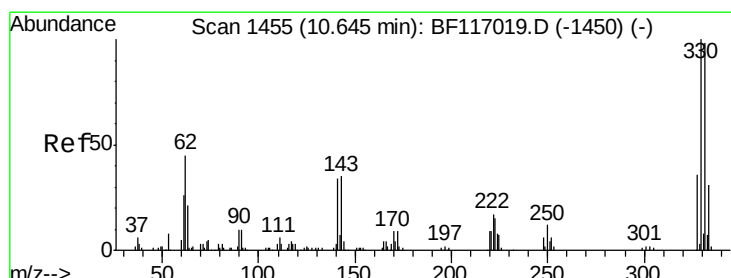
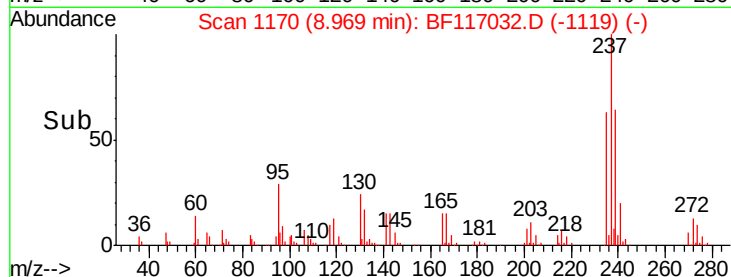
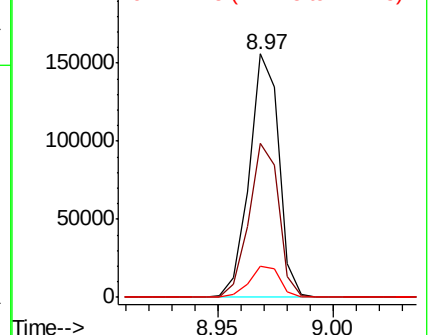
237 100

235 63.3 43.2 83.2

272 12.9 0.0 31.9



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: 125.315 ng

RT: 10.65 min Scan# 1455

Delta R.T. 0.00 min

Lab File: BF117032.D

Acq: 13 Sep 2019 19:45

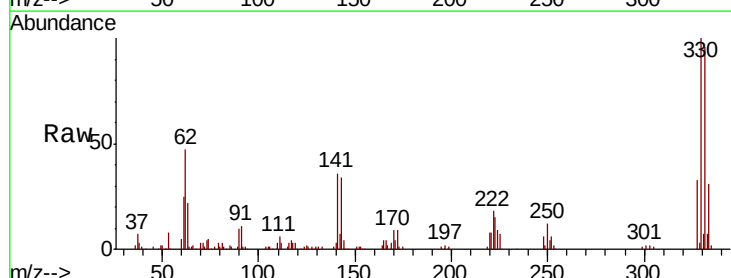
Tgt Ion:330 Resp: 146811

Ion Ratio Lower Upper

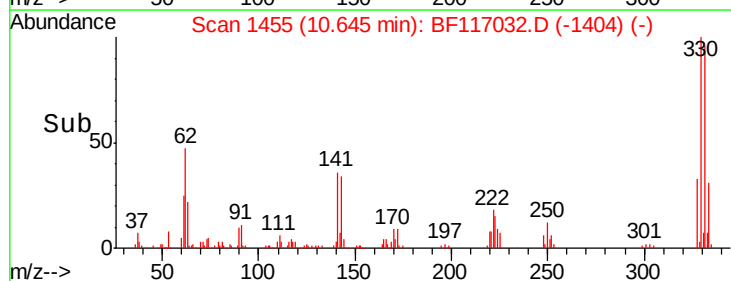
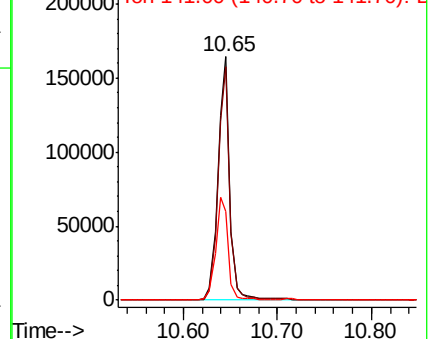
330 100

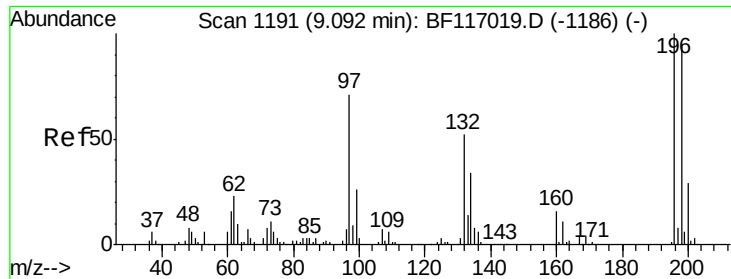
332 96.4 78.0 117.0

141 44.9 35.8 53.6



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

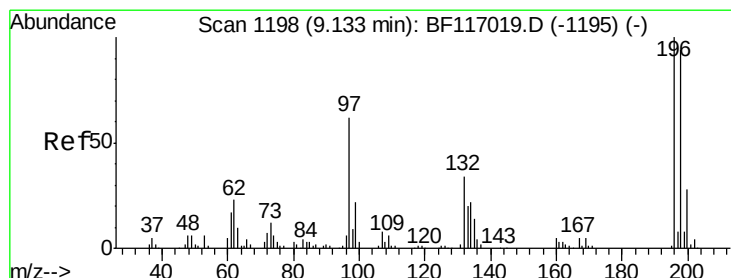
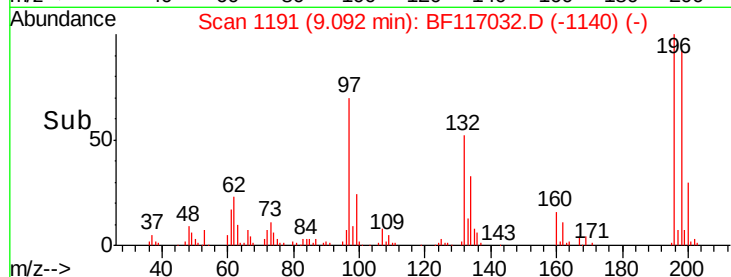
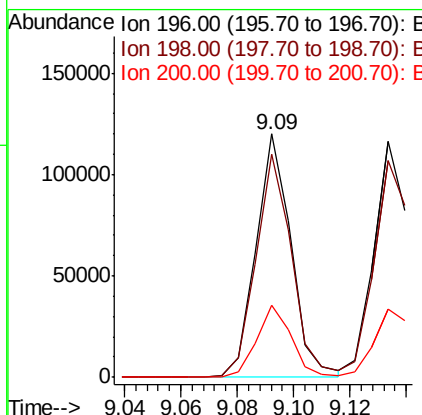
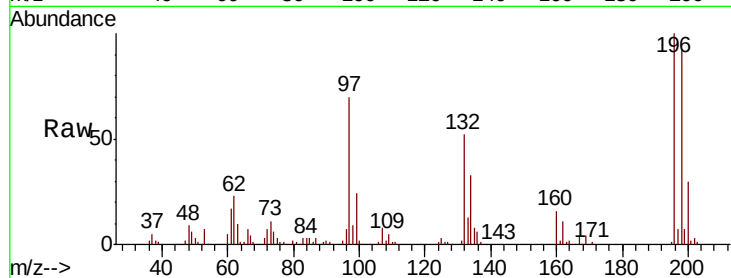




#43
 2,4,6-Trichlorophenol
 Concen: 42.023 ng
 RT: 9.09 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: BF117032.D
 Acq: 13 Sep 2019 19:45

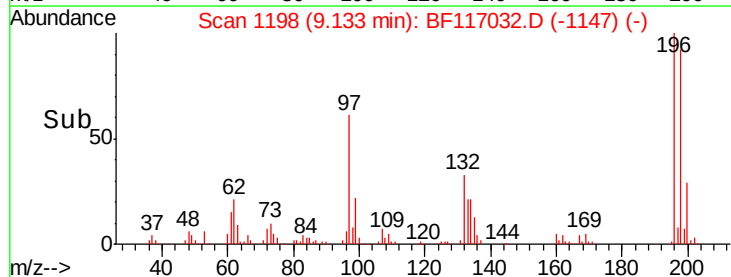
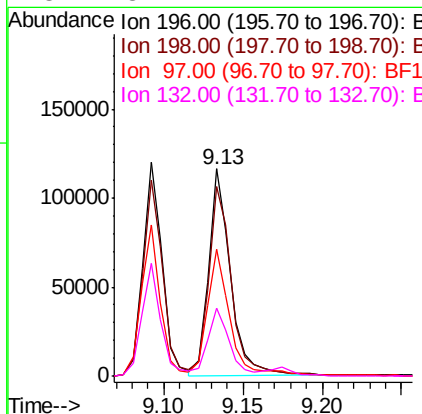
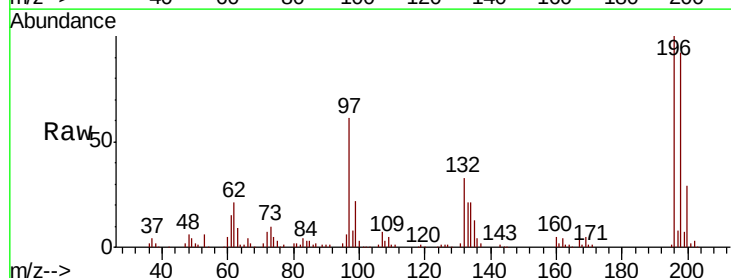
Instrument :
 BNA_F
 ClientSampleId :

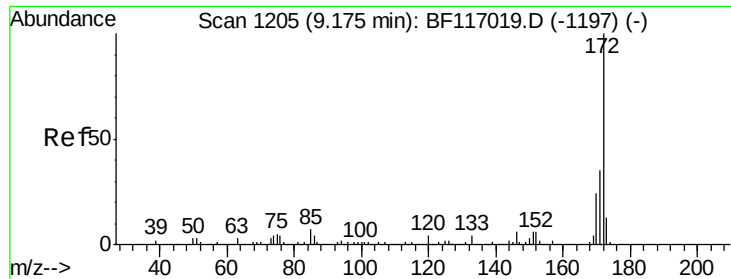
Tot Ion:196 Resp: 103227
 Ion Ratio Lower Upper
 196 100
 198 91.7 75.7 113.5
 200 29.7 23.3 34.9



#44
 2,4,5-Trichlorophenol
 Concen: 42.642 ng
 RT: 9.13 min Scan# 1198
 Delta R.T. 0.00 min
 Lab File: BF117032.D
 Acq: 13 Sep 2019 19:45

Tgt Ion:196 Resp: 111912
 Ion Ratio Lower Upper
 196 100
 198 91.6 74.6 112.0
 97 60.9 49.5 74.3
 132 32.7 27.4 41.2

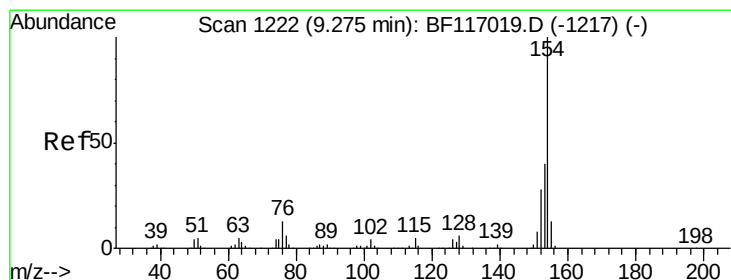
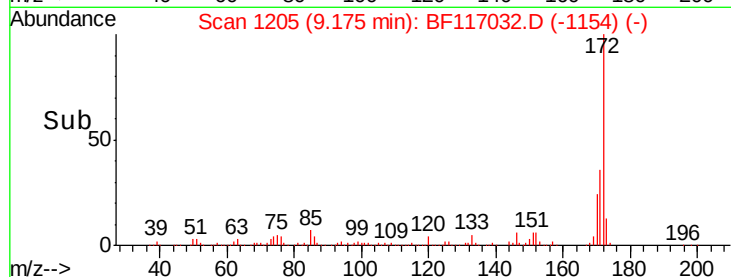
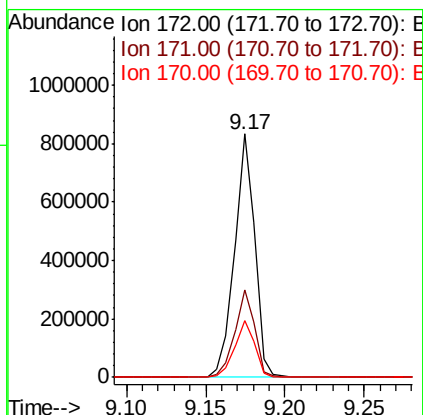
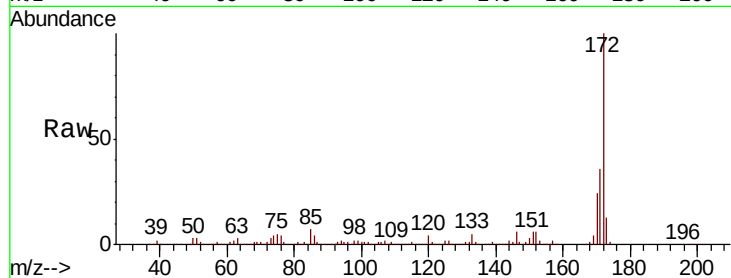




#45
2-Fluorobiphenyl
Concen: 82.465 ng
RT: 9.17 min Scan# 1205
Delta R.T. 0.00 min
Lab File: BF117032.D
Acq: 13 Sep 2019 19:45

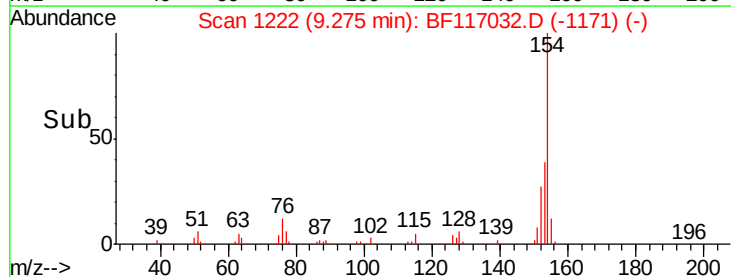
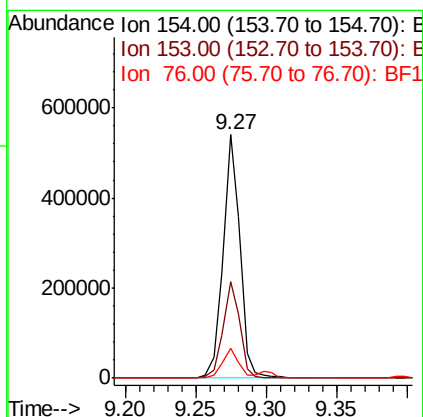
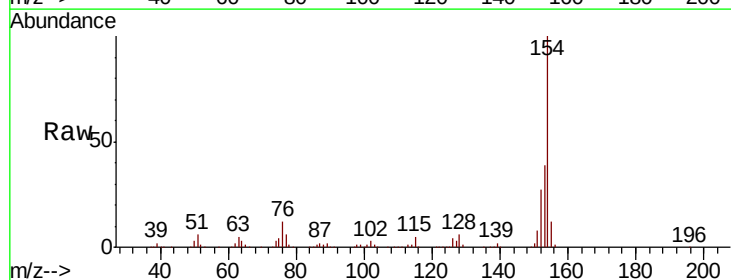
Instrument :
BNA_F
ClientSampleId :

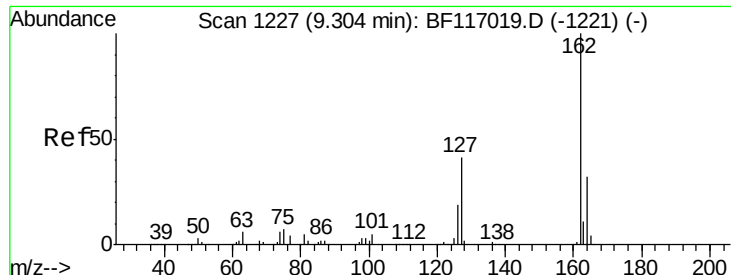
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.2	42.2
170	23.5	18.9	28.3



#46
1,1'-Biphenyl
Concen: 40.654 ng
RT: 9.27 min Scan# 1222
Delta R.T. 0.00 min
Lab File: BF117032.D
Acq: 13 Sep 2019 19:45

Tgt Ion	Ratio	Lower	Upper
154	100		
153	39.5	20.0	60.0
76	12.1	0.0	32.7

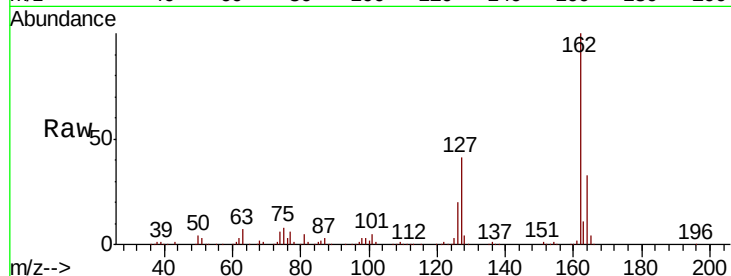




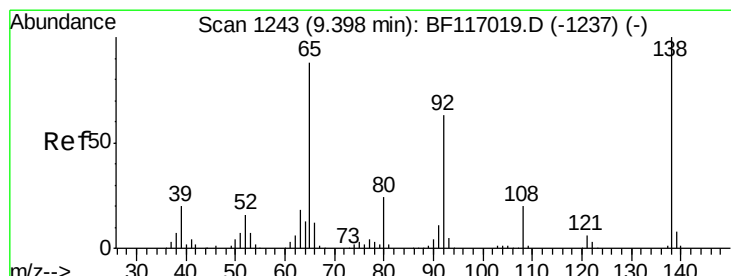
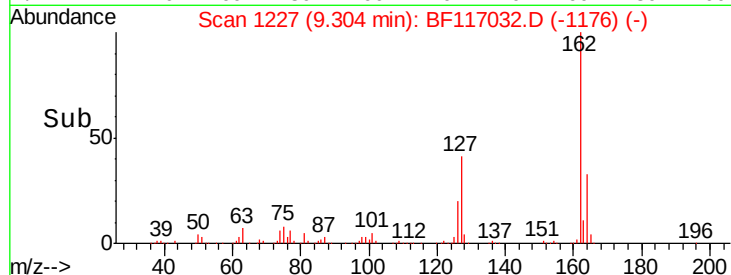
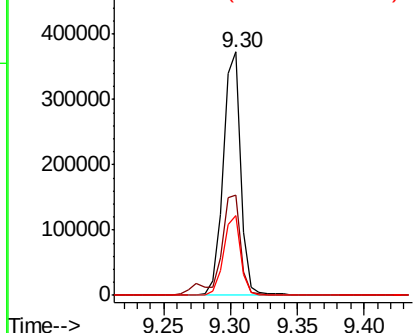
#47
2-Chloronaphthalene
Concen: 40.169 ng
RT: 9.30 min Scan# 1227
Delta R.T. 0.00 min
Lab File: BF117032.D
Acq: 13 Sep 2019 19:45

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
162	100		
127	41.0	34.1	51.1
164	32.6	25.9	38.9

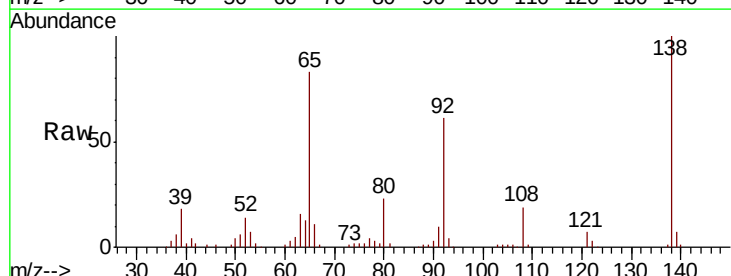


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

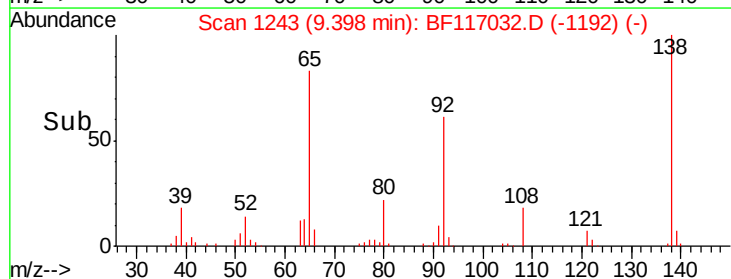
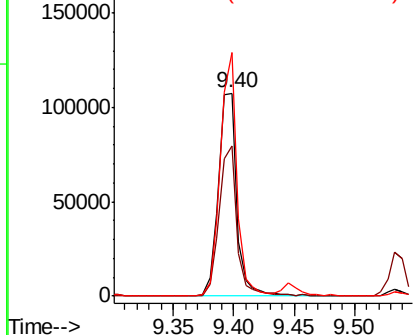


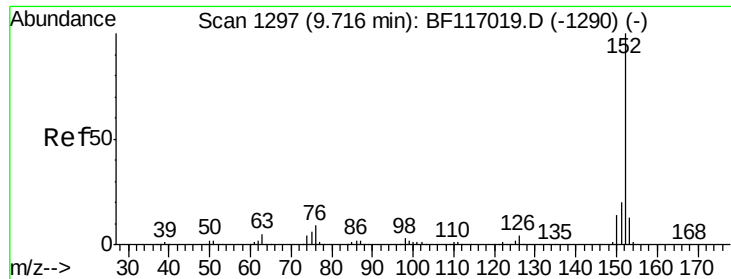
#48
2-Nitroaniline
Concen: 40.575 ng
RT: 9.40 min Scan# 1243
Delta R.T. 0.00 min
Lab File: BF117032.D
Acq: 13 Sep 2019 19:45

Tgt Ion	Ratio	Lower	Upper
65	100		
92	73.8	57.5	86.3
138	120.1	90.6	136.0



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: 43.650 ng

RT: 9.72 min Scan# 1297

Delta R.T. 0.00 min

Lab File: BF117032.D

Acq: 13 Sep 2019 19:45

Instrument :

BNA_F

ClientSampleId :

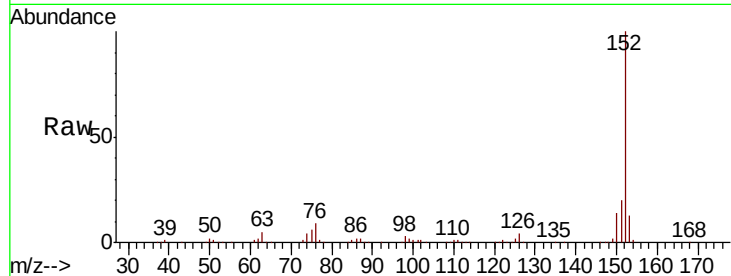
Tot Ion:152 Resp: 567434

Ion Ratio Lower Upper

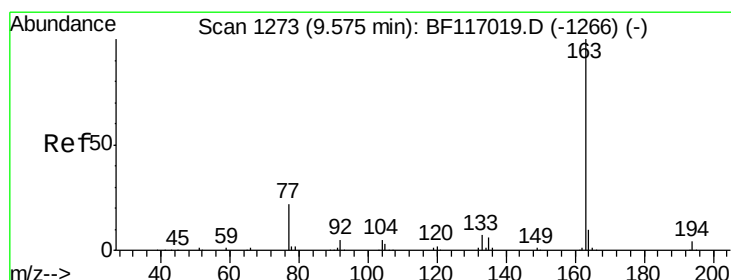
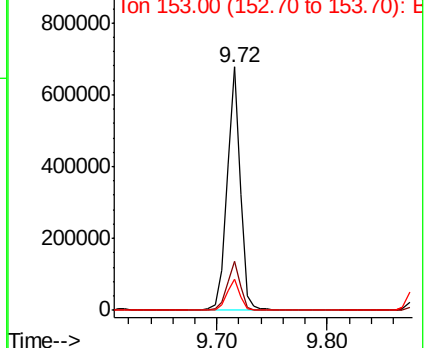
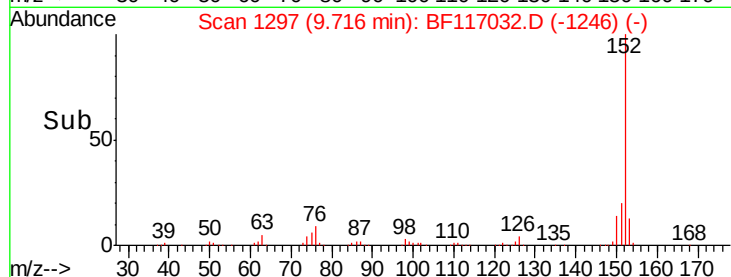
152 100

151 20.0 16.2 24.2

153 12.6 10.2 15.4



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: 54.850 ng

RT: 9.57 min Scan# 1273

Delta R.T. 0.00 min

Lab File: BF117032.D

Acq: 13 Sep 2019 19:45

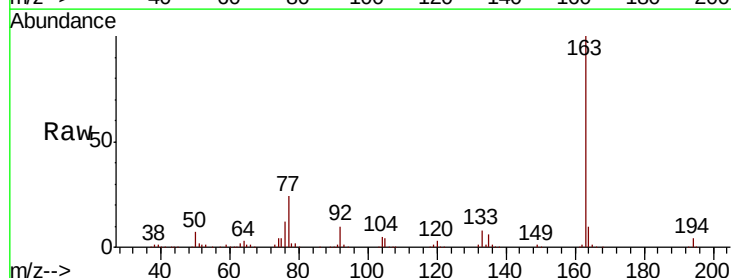
Tgt Ion:163 Resp: 544383

Ion Ratio Lower Upper

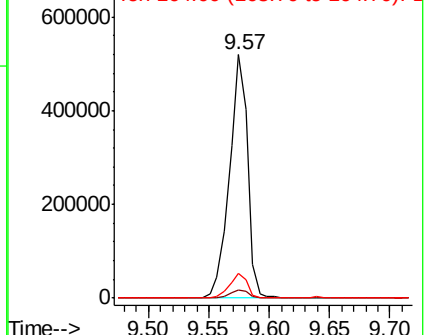
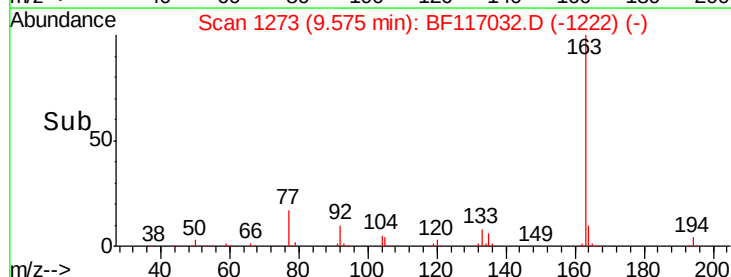
163 100

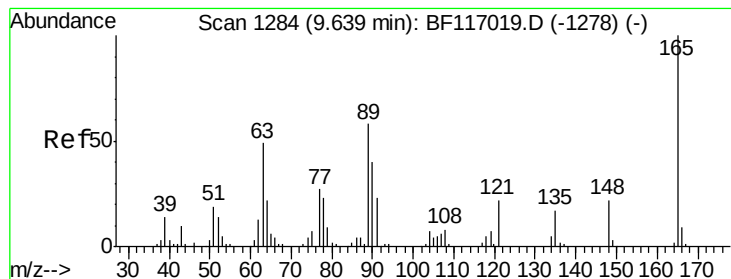
194 3.5 2.9 4.3

164 10.3 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 44.391 ng

RT: 9.64 min Scan# 1284

Delta R.T. 0.00 min

Lab File: BF117032.D

Acq: 13 Sep 2019 19:45

Instrument :

BNA_F

ClientSampled :

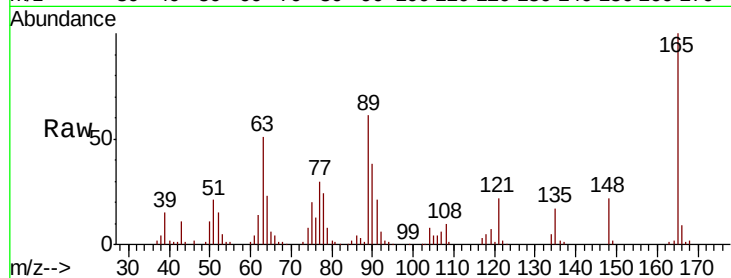
Tot Ion:165 Resp: 89732

Ion Ratio Lower Upper

165 100

63 51.4 41.8 62.8

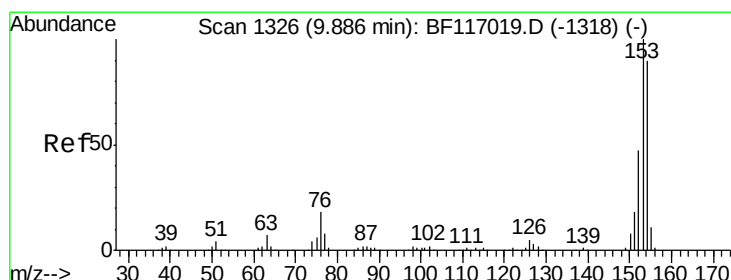
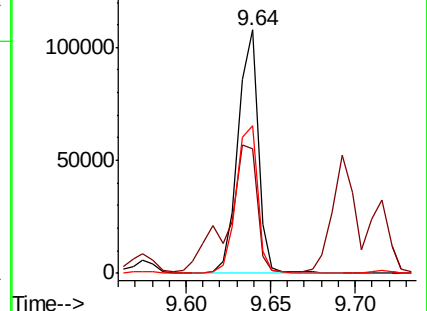
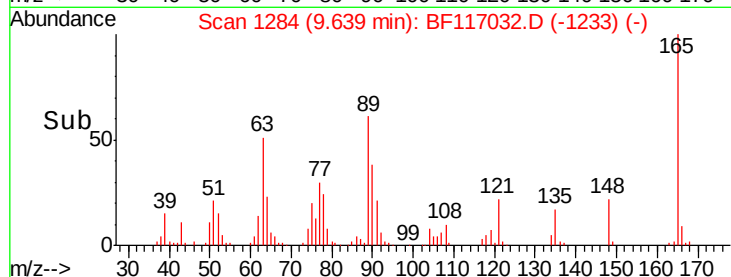
89 60.5 46.5 69.7



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#52

Acenaphthene

Concen: 41.378 ng

RT: 9.89 min Scan# 1326

Delta R.T. 0.00 min

Lab File: BF117032.D

Acq: 13 Sep 2019 19:45

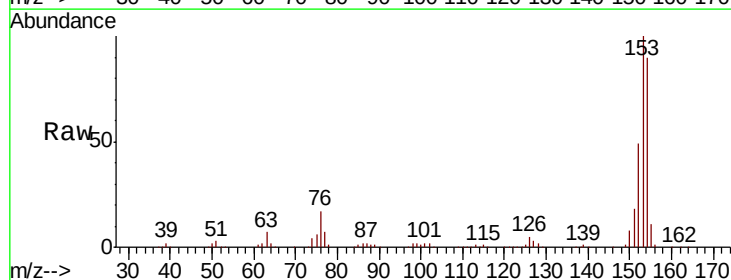
Tgt Ion:154 Resp: 318853

Ion Ratio Lower Upper

154 100

153 110.9 89.0 133.6

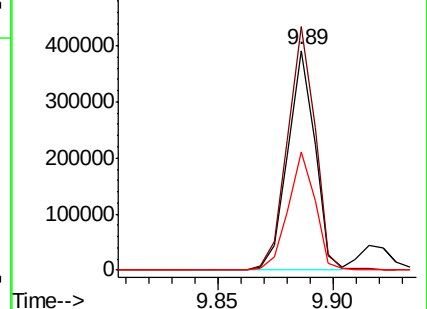
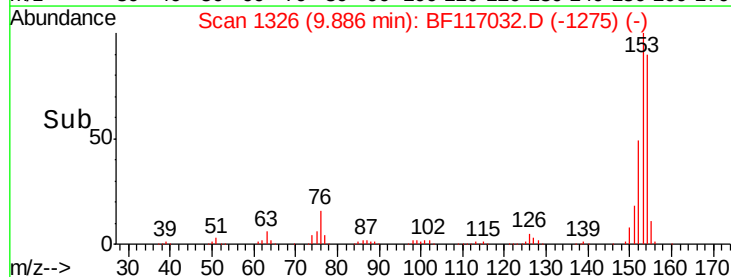
152 54.0 41.9 62.9

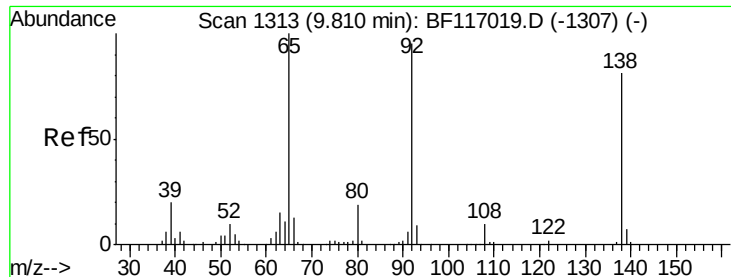


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

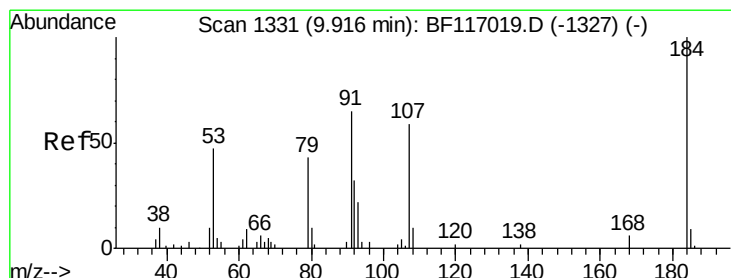
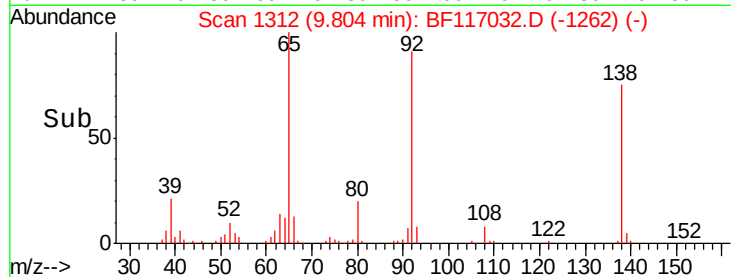
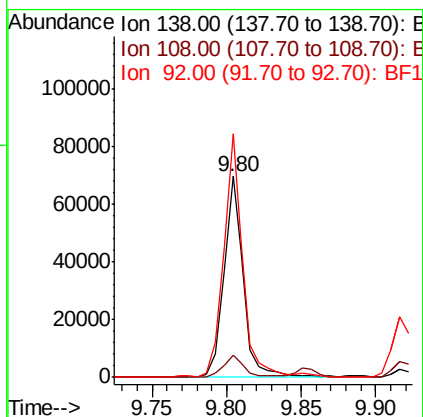
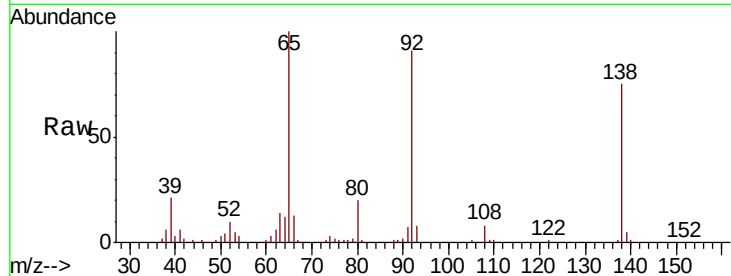




#53
3-Nitroaniline
Concen: 24.935 ng
RT: 9.80 min Scan# 1312
Delta R.T. -0.01 min
Lab File: BF117032.D
Acq: 13 Sep 2019 19:45

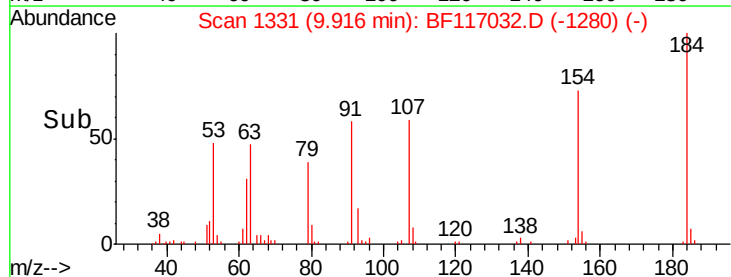
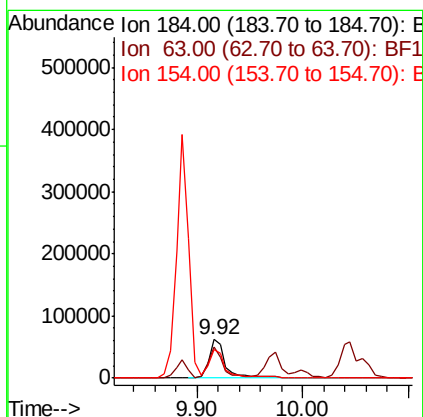
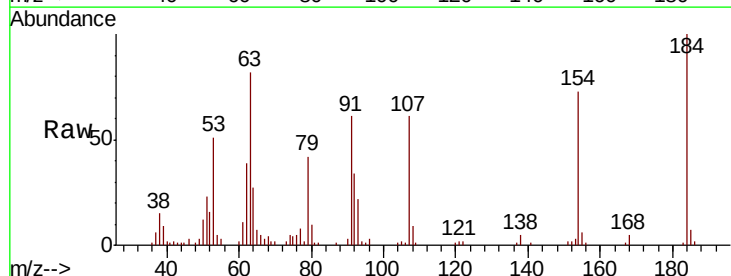
Instrument :
BNA_F
ClientSampled :

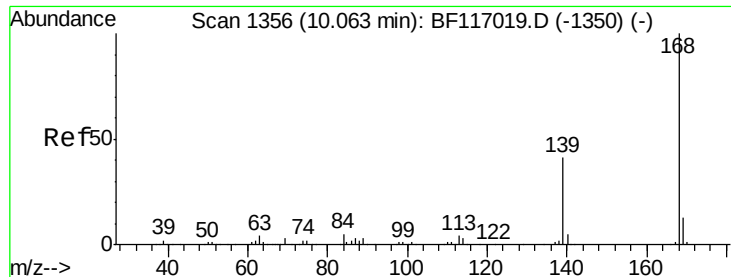
Tot Ion:138 Resp: 63593
Ion Ratio Lower Upper
138 100
108 11.1 9.5 14.3
92 121.1 94.1 141.1



#54
2,4-Dinitrophenol
Concen: 78.186 ng
RT: 9.92 min Scan# 1331
Delta R.T. 0.00 min
Lab File: BF117032.D
Acq: 13 Sep 2019 19:45

Tgt Ion:184 Resp: 68038
Ion Ratio Lower Upper
184 100
63 81.6 63.8 95.6
154 73.5 60.4 90.6

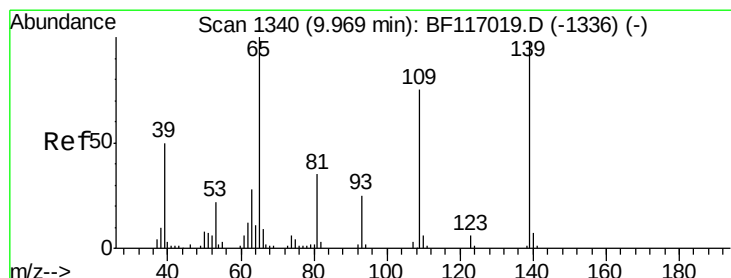
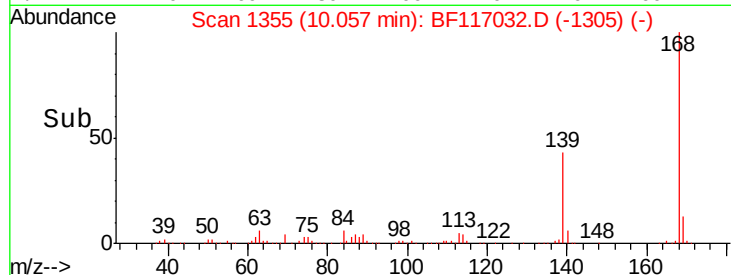
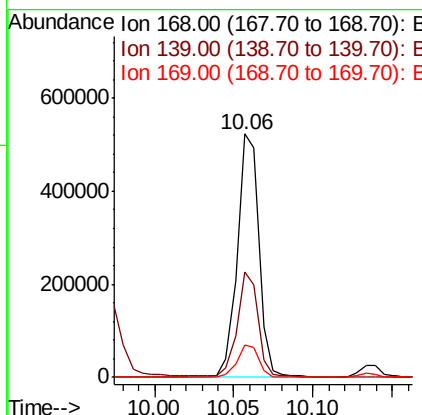
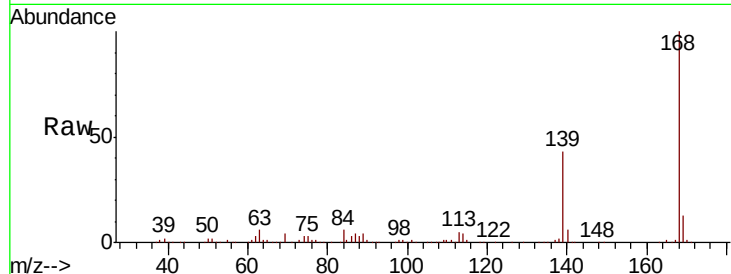




#55
Dibenzenofuran
Concen: 43.767 ng
RT: 10.06 min Scan# 1355
Delta R.T. -0.01 min
Lab File: BF117032.D
Acq: 13 Sep 2019 19:45

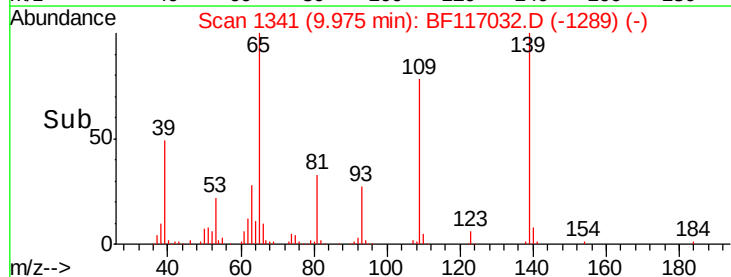
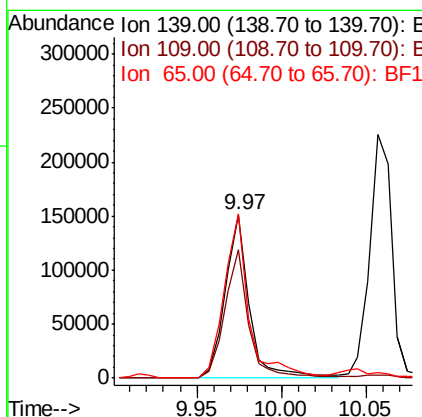
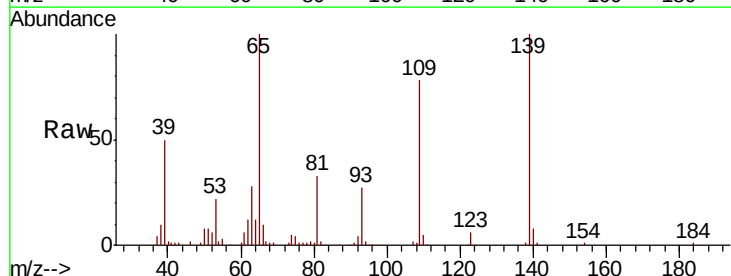
Instrument :
BNA_F
ClientSampleId :

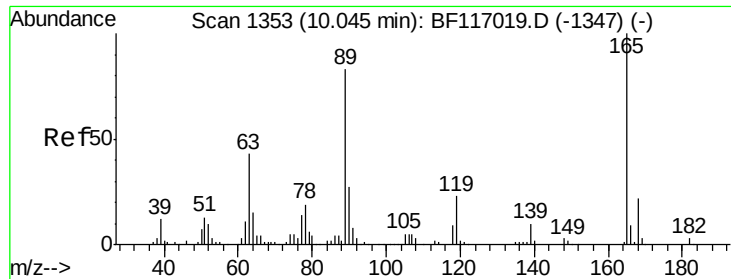
Tot Ion:168 Resp: 497612
Ion Ratio Lower Upper
168 100
139 43.1 32.8 49.2
169 13.5 10.5 15.7



#56
4-Nitrophenol
Concen: 90.913 ng
RT: 9.97 min Scan# 1341
Delta R.T. 0.01 min
Lab File: BF117032.D
Acq: 13 Sep 2019 19:45

Tgt Ion:139 Resp: 150275
Ion Ratio Lower Upper
139 100
109 78.3 56.4 96.4
65 100.3 82.5 122.5





#57

2,4-Dinitrotoluene

Concen: 46.479 ng

RT: 10.05 min Scan# 1353

Delta R.T. 0.00 min

Lab File: BF117032.D

Acq: 13 Sep 2019 19:45

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 121955

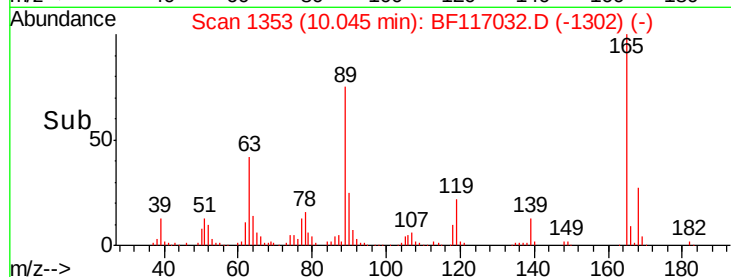
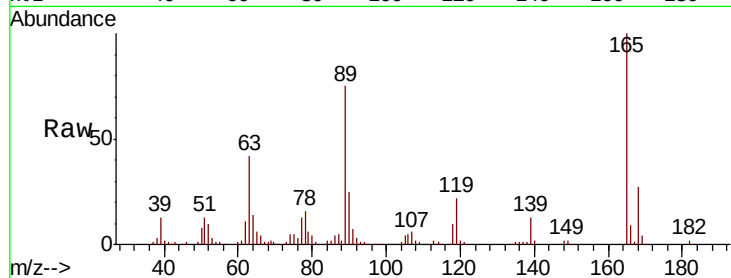
Ion Ratio Lower Upper

165 100

63 42.1 35.0 52.4

89 75.0 66.1 99.1

182 2.3 2.0 3.0

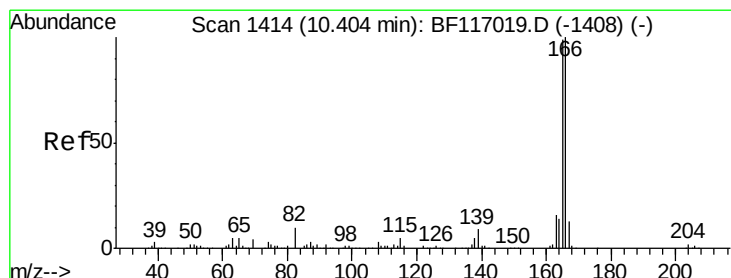
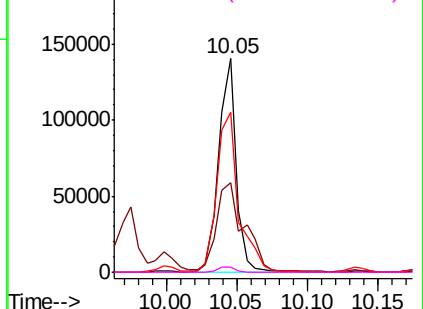


Abundance Ion 165.00 (164.70 to 165.70): E

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: 43.283 ng

RT: 10.40 min Scan# 1414

Delta R.T. 0.00 min

Lab File: BF117032.D

Acq: 13 Sep 2019 19:45

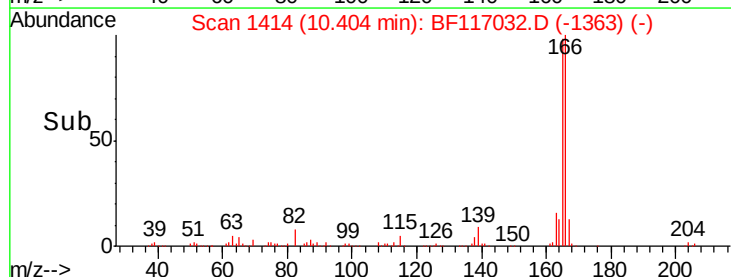
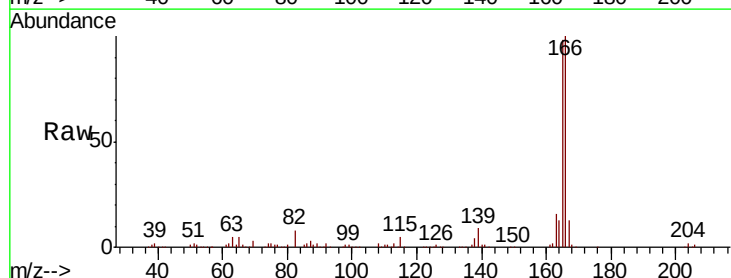
Tgt Ion:166 Resp: 396409

Ion Ratio Lower Upper

166 100

165 97.6 78.9 118.3

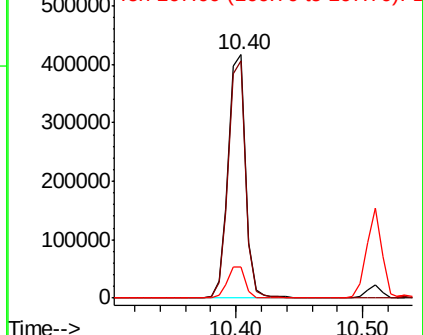
167 13.0 10.6 15.8

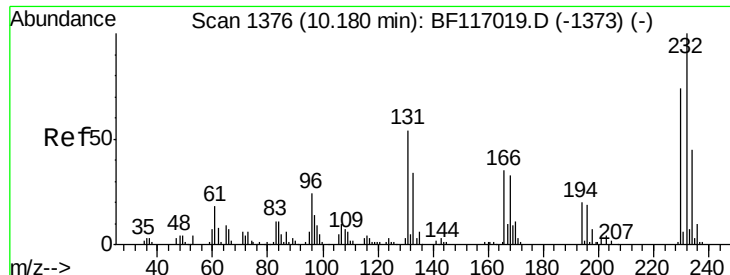


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

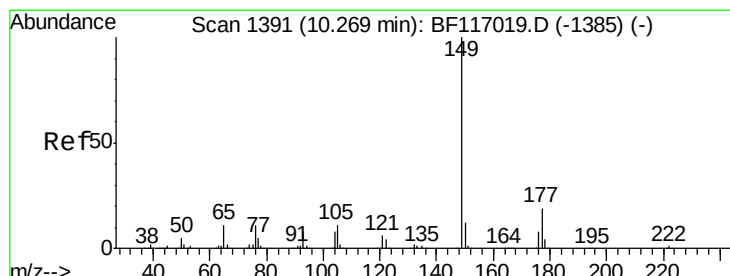
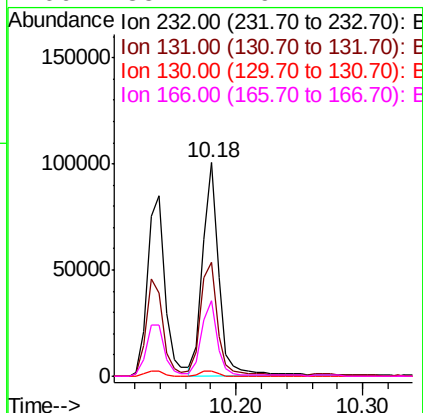
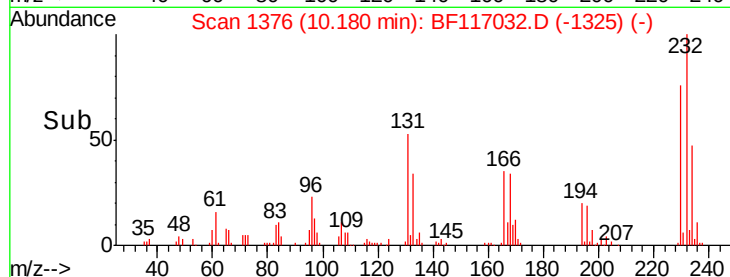
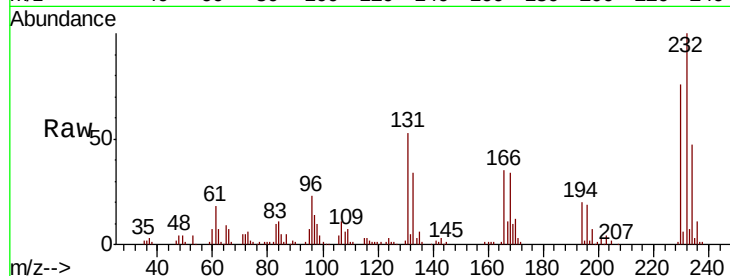




#59
 2,3,4,6-Tetrachlorophenol
 Concen: 44.256 ng
 RT: 10.18 min Scan# 1376
 Delta R.T. 0.00 min
 Lab File: BF117032.D
 Acq: 13 Sep 2019 19:45

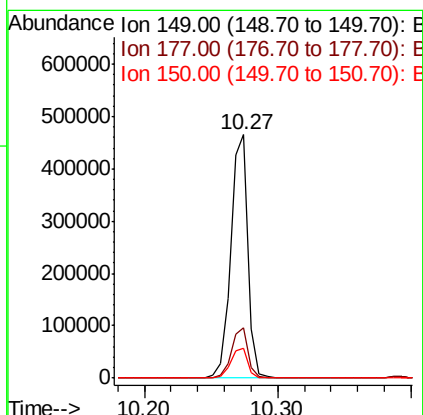
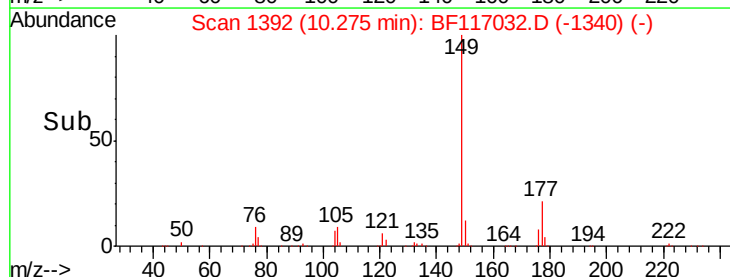
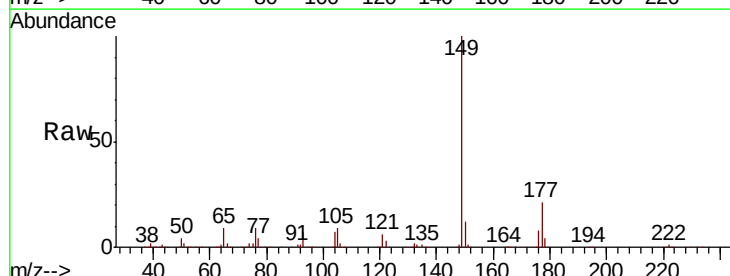
Instrument :
 BNA_F
 ClientSampleId :

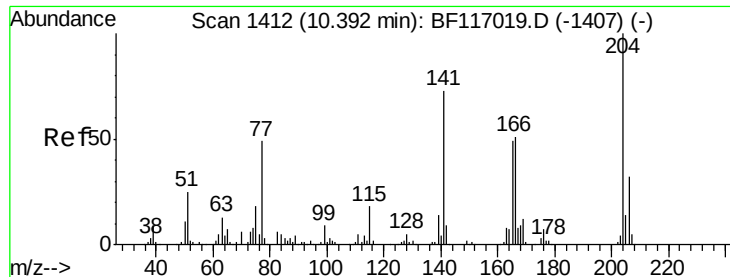
Tot Ion:	232	Resp:	88881
Ion	Ratio	Lower	Upper
232	100		
131	57.6	45.3	67.9
130	2.6	1.8	2.8
166	35.4	29.4	44.2



#60
 Diethylphthalate
 Concen: 43.057 ng
 RT: 10.27 min Scan# 1392
 Delta R.T. 0.01 min
 Lab File: BF117032.D
 Acq: 13 Sep 2019 19:45

Tgt Ion:	149	Resp:	420424
Ion	Ratio	Lower	Upper
149	100		
177	20.8	15.2	22.8
150	12.5	9.9	14.9

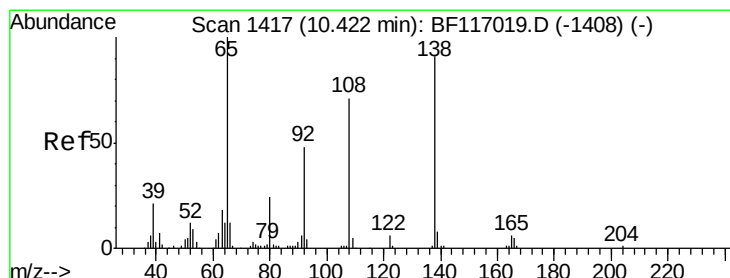
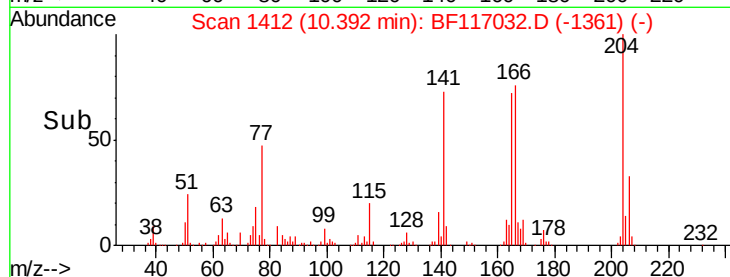
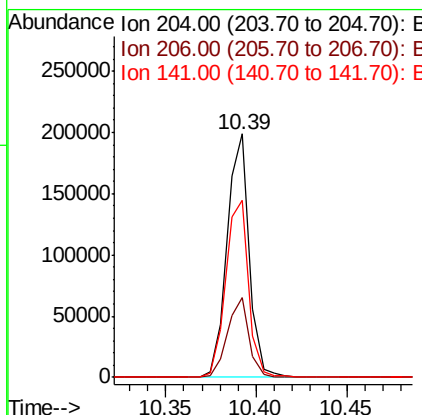
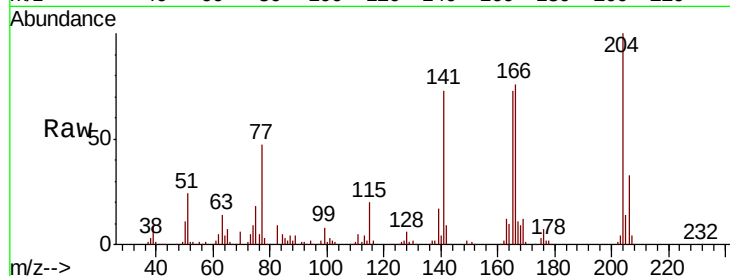




#61
 4-Chlorophenyl-phenylether
 Concen: 42.657 ng
 RT: 10.39 min Scan# 1412
 Delta R.T. 0.00 min
 Lab File: BF117032.D
 Acq: 13 Sep 2019 19:45

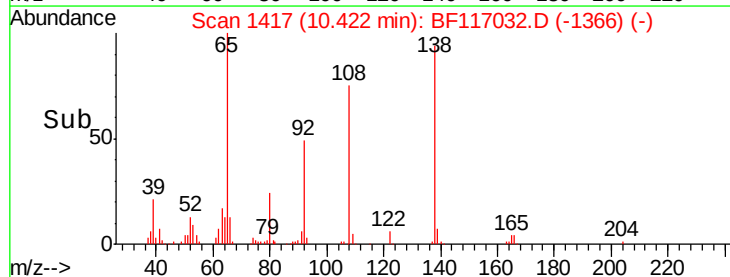
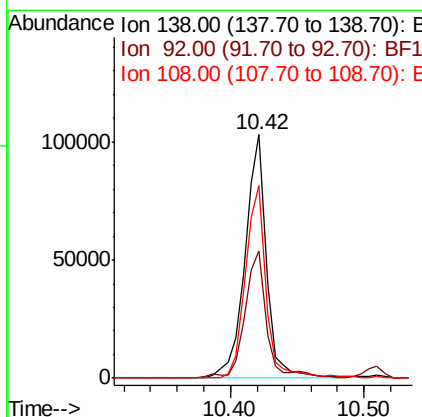
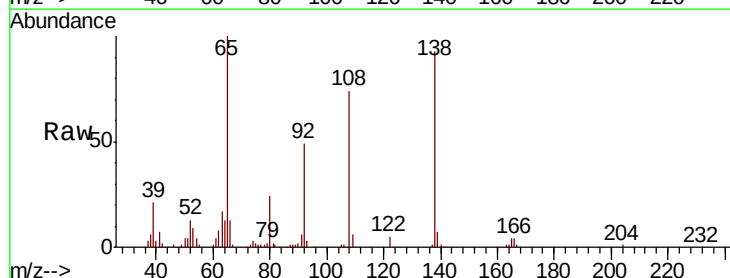
Instrument :
 BNA_F
 ClientSampleId :

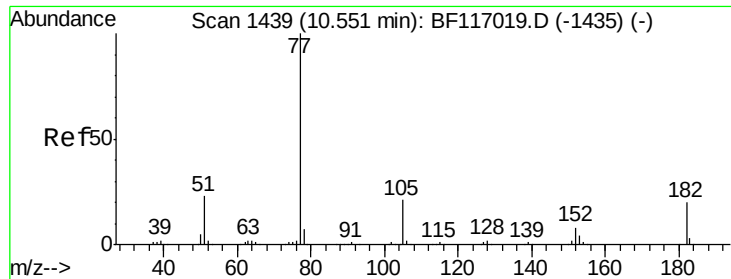
Tot Ion	Ratio	Lower	Upper
204	100		
206	32.6	26.0	39.0
141	72.7	58.2	87.2



#62
 4-Nitroaniline
 Concen: 43.043 ng
 RT: 10.42 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: BF117032.D
 Acq: 13 Sep 2019 19:45

Tgt Ion	Ratio	Lower	Upper
138	100		
92	52.2	32.9	72.9
108	79.2	58.3	98.3

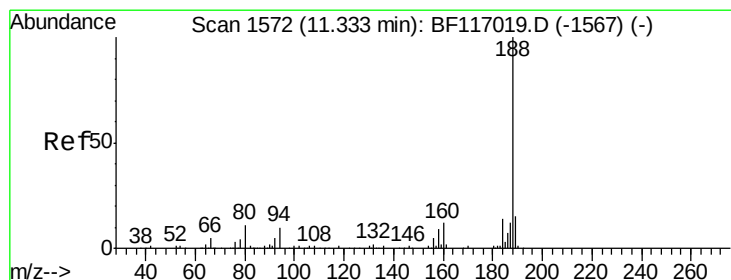
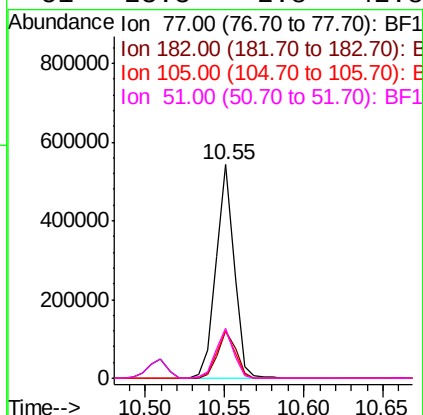
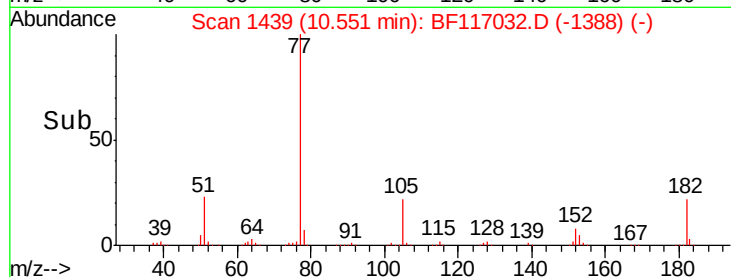
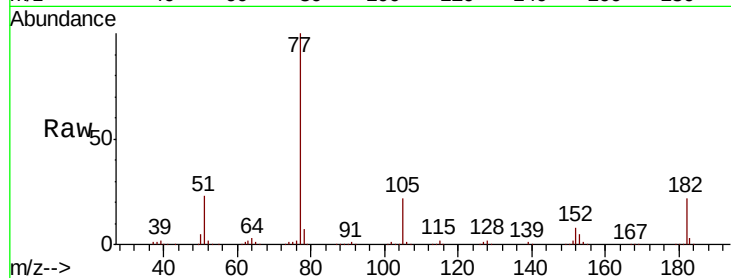




#63
Azobenzene
Concen: 43.141 ng
RT: 10.55 min Scan# 1439
Delta R.T. 0.00 min
Lab File: BF117032.D
Acq: 13 Sep 2019 19:45

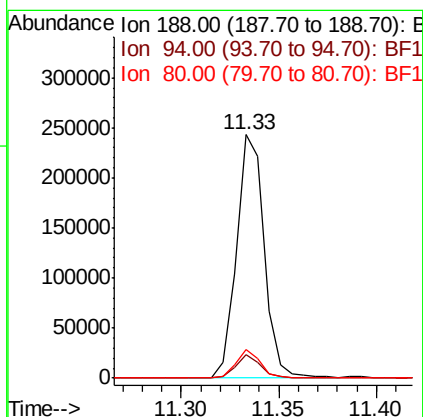
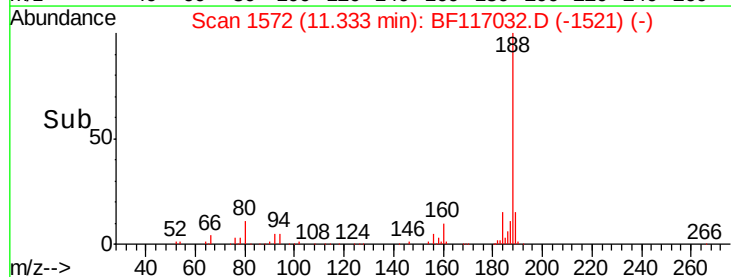
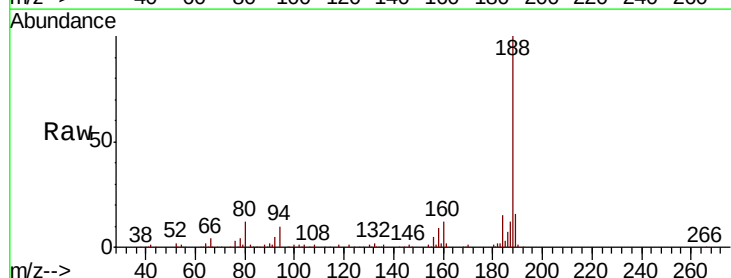
Instrument :
BNA_F
ClientSampleId :

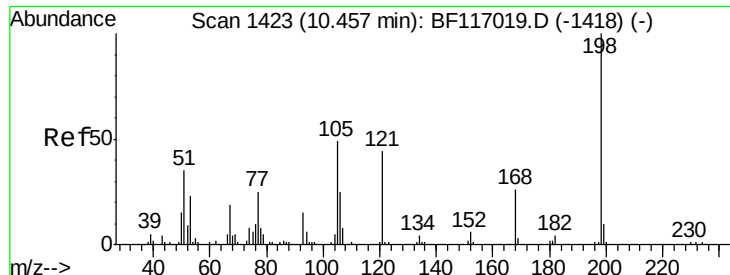
Tot Ion:	77	Resp:	430236
Ion	Ratio	Lower	Upper
77	100		
182	21.9	0.4	40.4
105	22.3	0.9	40.9
51	23.3	2.8	42.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. 0.00 min
Lab File: BF117032.D
Acq: 13 Sep 2019 19:45

Tgt Ion:	188	Resp:	238207
Ion	Ratio	Lower	Upper
188	100		
94	9.7	8.2	12.2
80	11.7	9.0	13.6

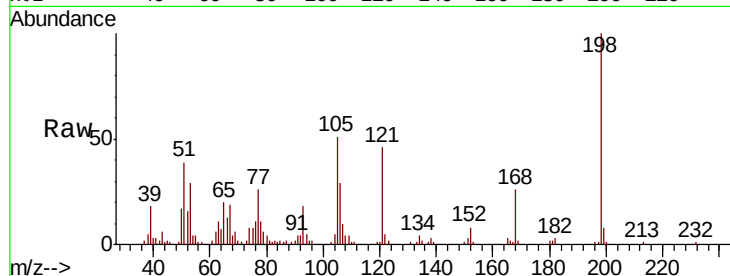




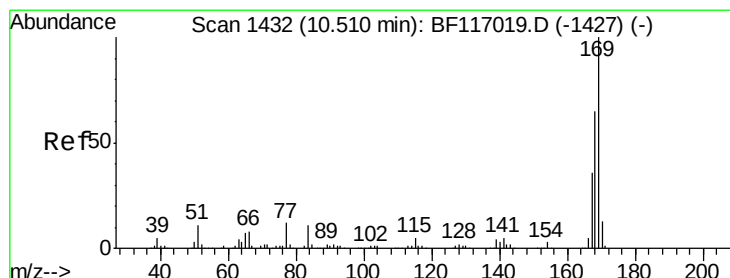
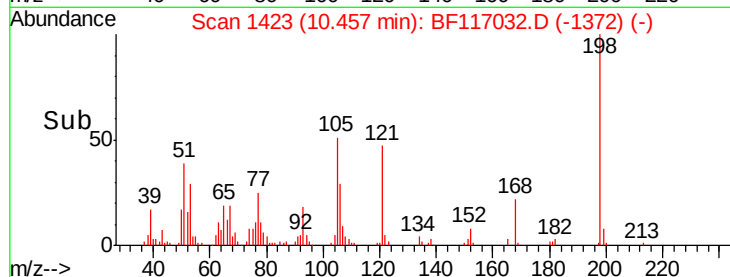
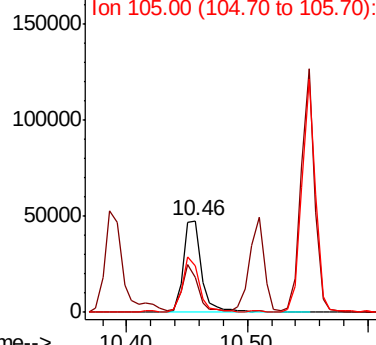
#65
4,6-Dinitro-2-methylphenol
Concen: 46.178 ng
RT: 10.46 min Scan# 1423
Delta R.T. 0.00 min
Lab File: BF117032.D
Acq: 13 Sep 2019 19:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 49788
Ion Ratio Lower Upper
198 100
51 38.5 18.7 58.7
105 50.8 30.2 70.2

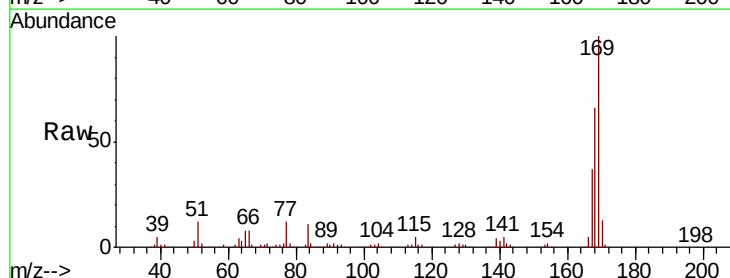


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

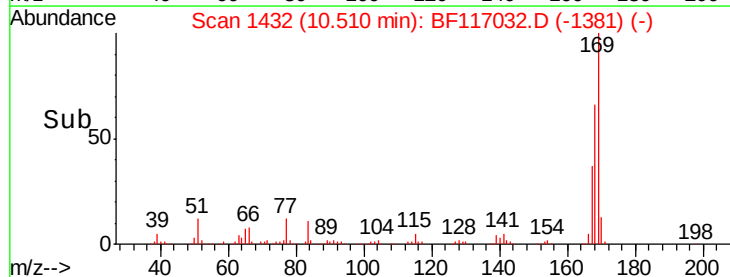
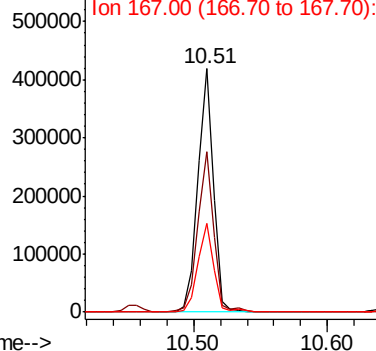


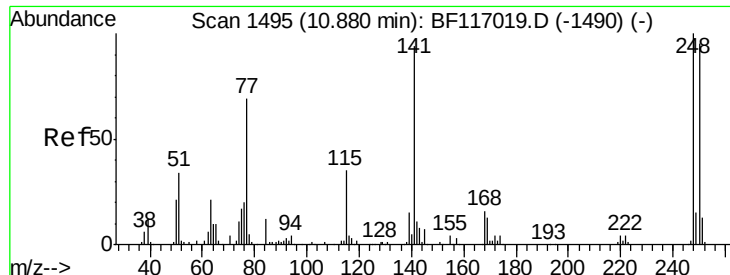
#66
n-Nitrosodiphenylamine
Concen: 42.175 ng
RT: 10.51 min Scan# 1432
Delta R.T. 0.00 min
Lab File: BF117032.D
Acq: 13 Sep 2019 19:45

Tgt Ion:169 Resp: 346959
Ion Ratio Lower Upper
169 100
168 66.1 52.2 78.2
167 36.5 28.8 43.2



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

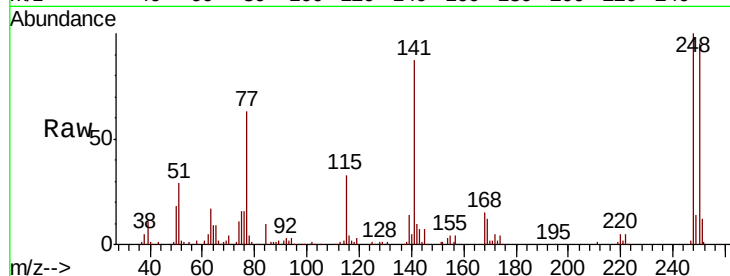




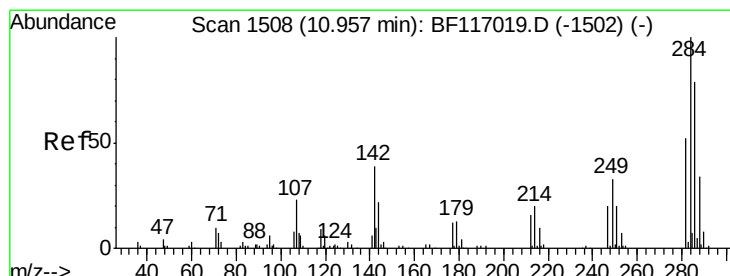
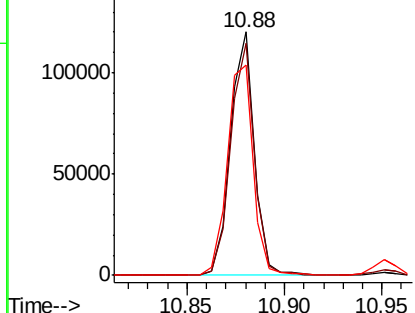
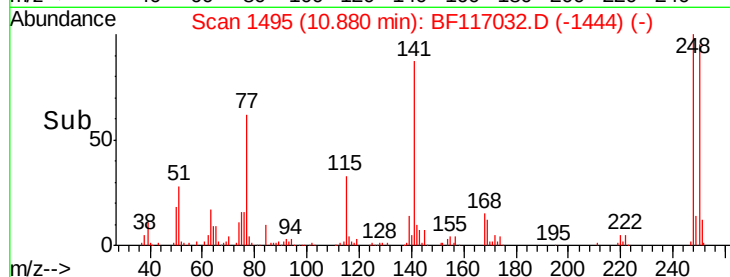
#67
4-Bromophenyl-phenylether
Concen: 41.769 ng
RT: 10.88 min Scan# 1495
Delta R.T. 0.00 min
Lab File: BF117032.D
Acq: 13 Sep 2019 19:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 101611
Ion Ratio Lower Upper
248 100
250 95.4 76.2 114.4
141 86.5 75.0 112.4

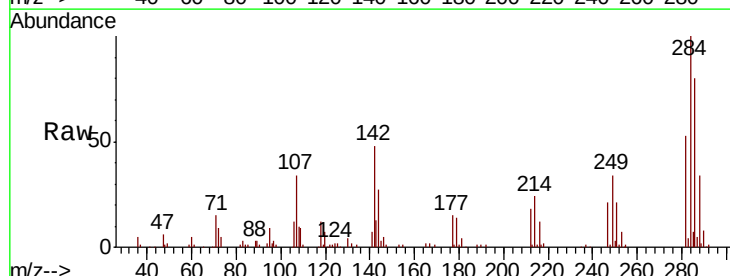


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

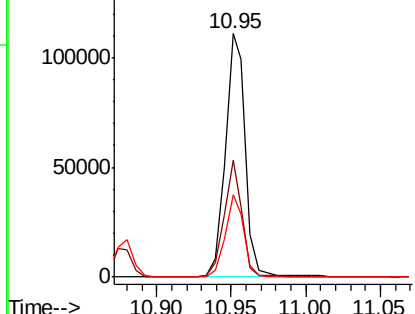
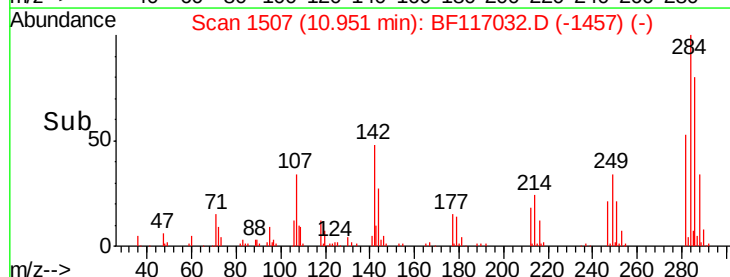


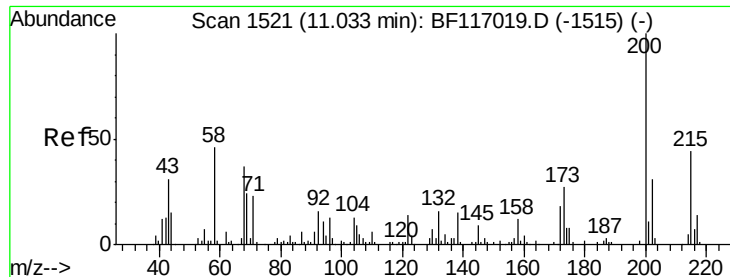
#68
Hexachlorobenzene
Concen: 39.425 ng
RT: 10.95 min Scan# 1507
Delta R.T. -0.01 min
Lab File: BF117032.D
Acq: 13 Sep 2019 19:45

Tgt Ion:284 Resp: 104899
Ion Ratio Lower Upper
284 100
142 48.0 31.4 47.2#
249 34.1 26.5 39.7



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

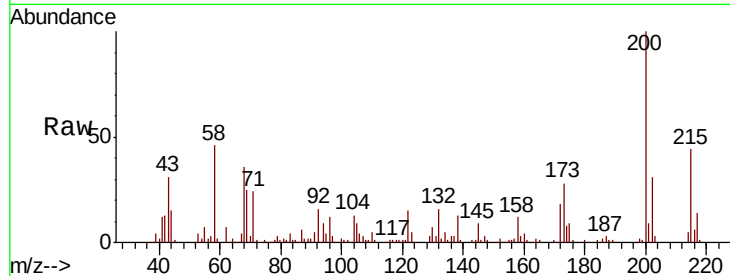




#69
 Atrazine
 Concen: 51.359 ng
 RT: 11.03 min Scan# 1521
 Delta R.T. 0.00 min
 Lab File: BF117032.D
 Acq: 13 Sep 2019 19:45

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
200	100		
173	28.5	6.9	46.9
215	43.9	23.8	63.8

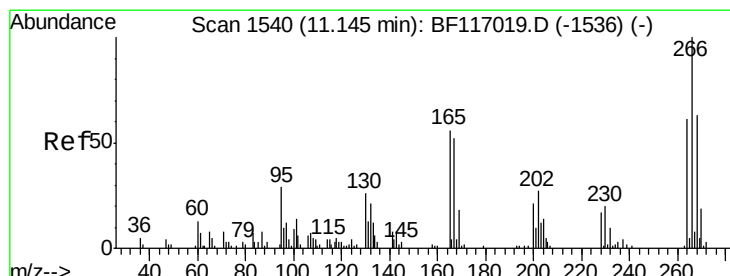
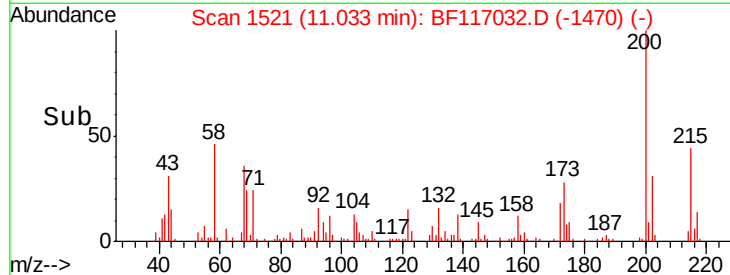
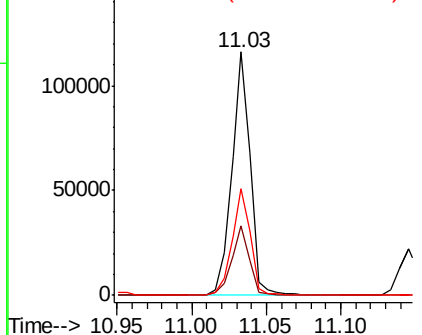


Abundance

Ion 200.00 (199.70 to 200.70): E

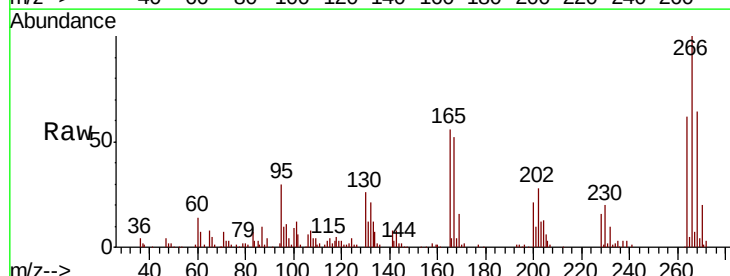
Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70
 Pentachlorophenol
 Concen: 90.469 ng
 RT: 11.15 min Scan# 1540
 Delta R.T. 0.00 min
 Lab File: BF117032.D
 Acq: 13 Sep 2019 19:45

Tgt Ion	Ratio	Lower	Upper
266	100		
268	63.6	50.5	75.7
264	61.8	48.8	73.2

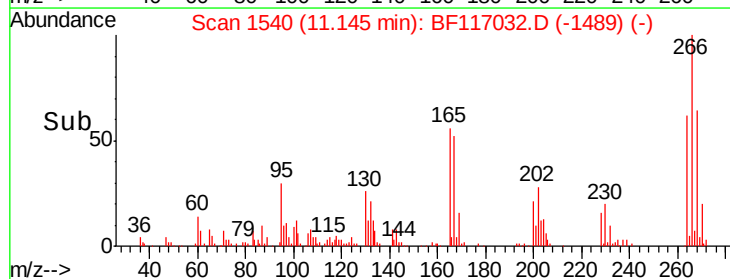
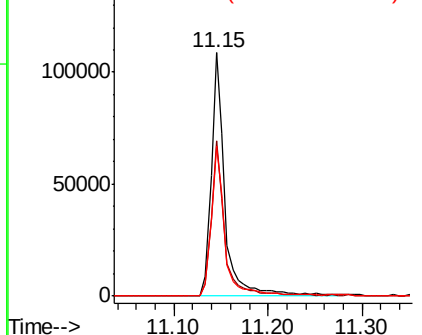


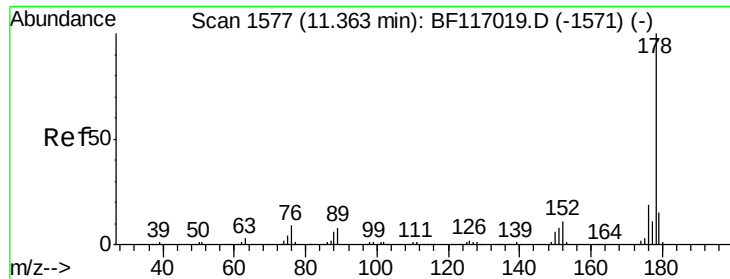
Abundance

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: 41.727 ng

RT: 11.36 min Scan# 1577

Delta R.T. 0.00 min

Lab File: BF117032.D

Acq: 13 Sep 2019 19:45

Instrument :

BNA_F

ClientSampleId :

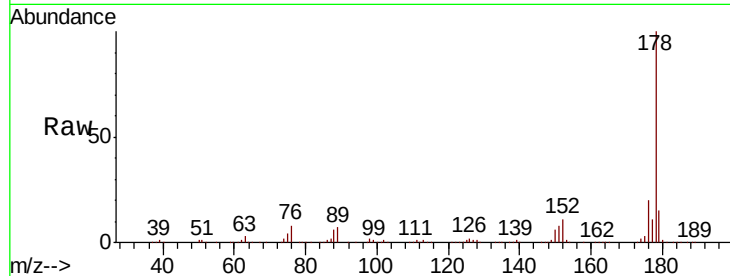
Tot Ion:178 Resp: 564572

Ion Ratio Lower Upper

178 100

176 20.1 15.4 23.2

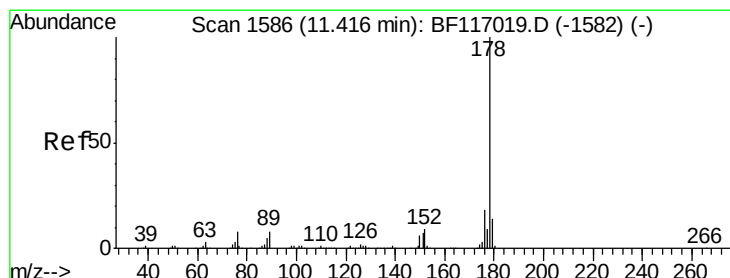
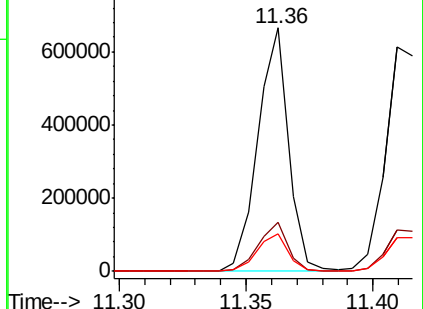
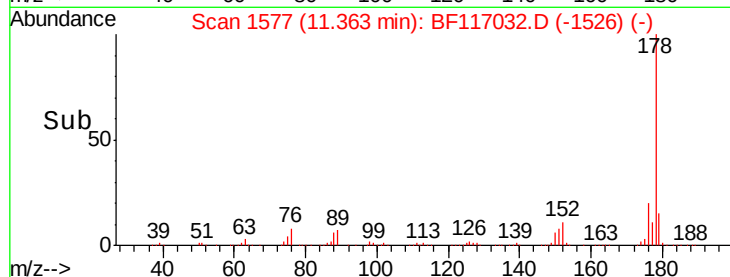
179 15.3 12.4 18.6



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



#72

Anthracene

Concen: 43.626 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.01 min

Lab File: BF117032.D

Acq: 13 Sep 2019 19:45

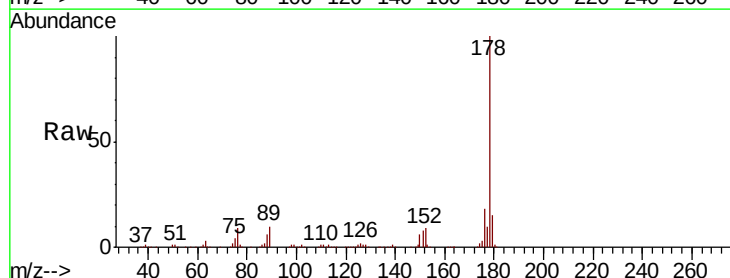
Tgt Ion:178 Resp: 602614

Ion Ratio Lower Upper

178 100

176 18.3 14.6 21.8

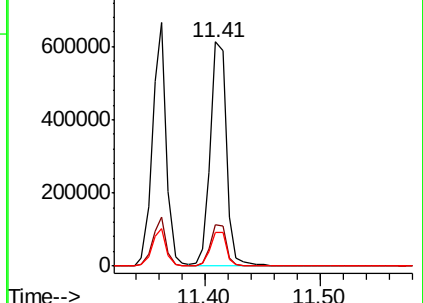
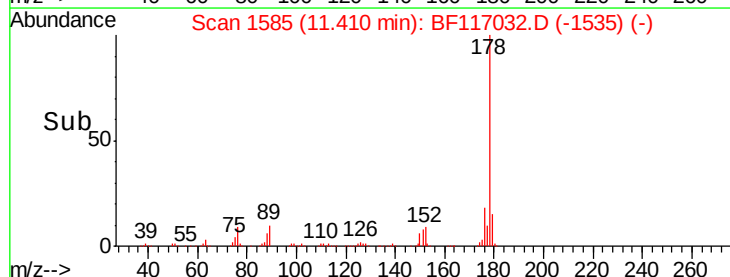
179 15.2 11.6 17.4

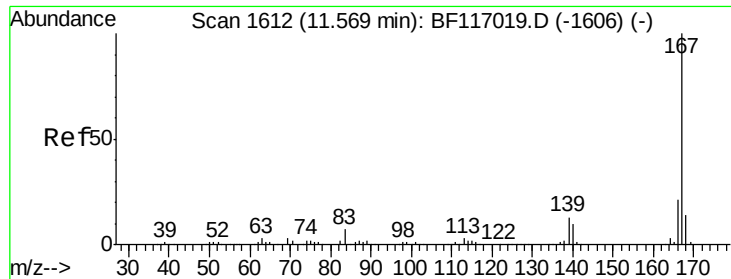


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

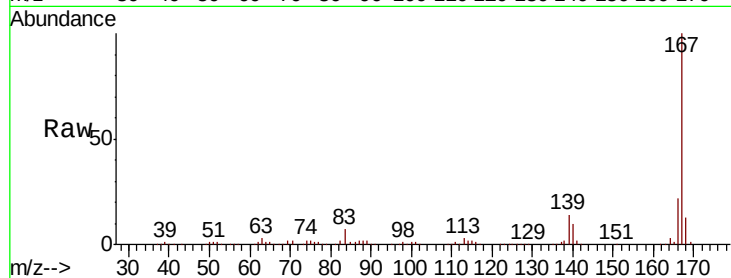




#73
 Carbazole
 Concen: 43.112 ng
 RT: 11.57 min Scan# 1612
 Delta R.T. 0.00 min
 Lab File: BF117032.D
 Acq: 13 Sep 2019 19:45

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.2	25.8
139	13.7	10.6	16.0

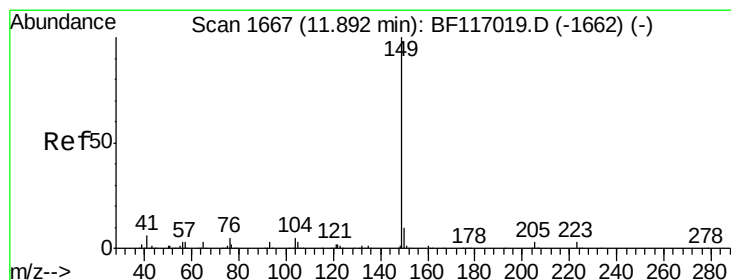
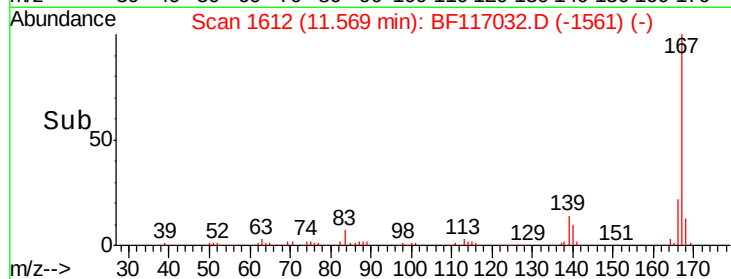
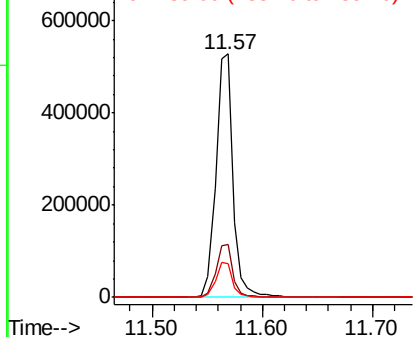


Abundance

Ion 167.00 (166.70 to 167.70): E

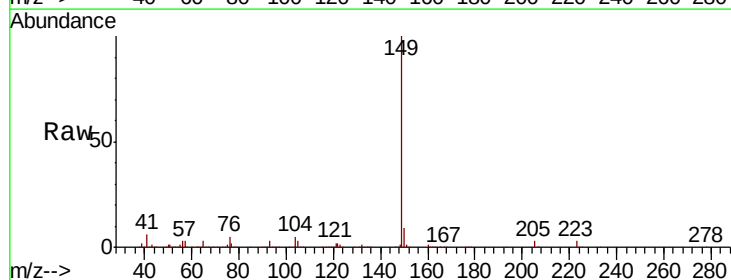
Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74
 Di-n-butylphthalate
 Concen: 44.098 ng
 RT: 11.89 min Scan# 1667
 Delta R.T. 0.00 min
 Lab File: BF117032.D
 Acq: 13 Sep 2019 19:45

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.7	11.5
104	5.4	4.2	6.4

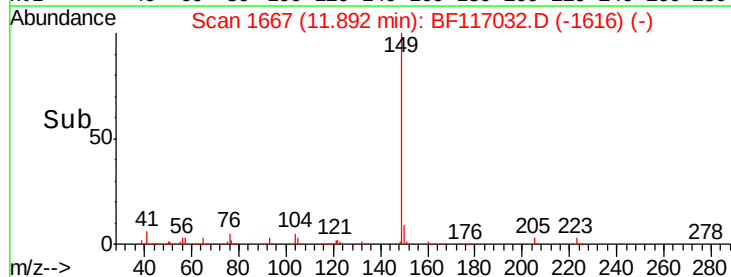
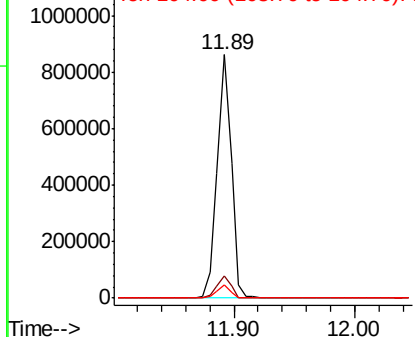


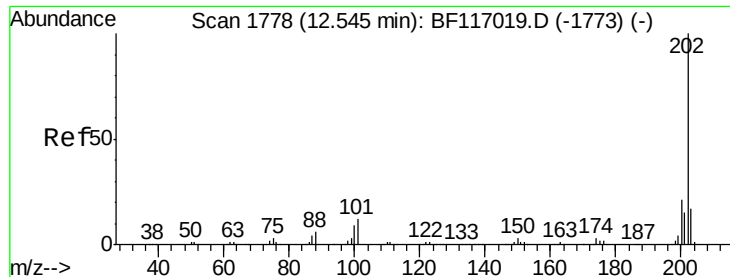
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

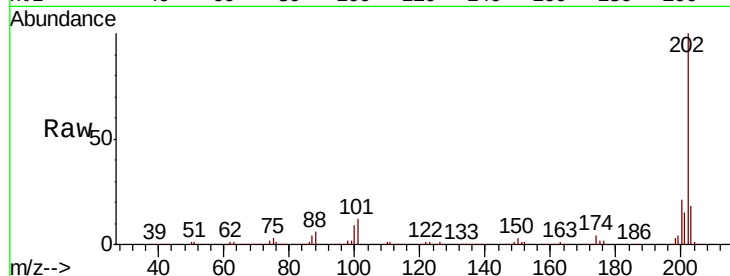




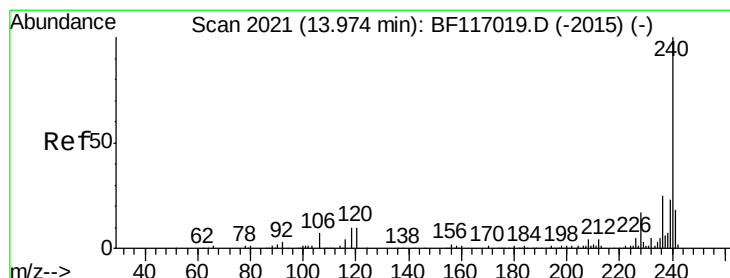
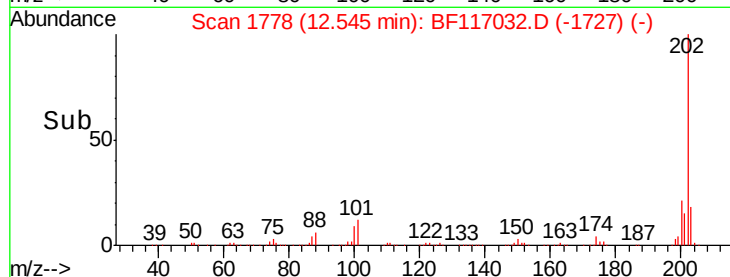
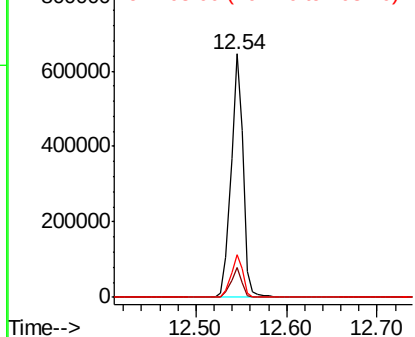
#75
 Fluoranthene
 Concen: 42.814 ng
 RT: 12.54 min Scan# 1778
 Delta R.T. 0.00 min
 Lab File: BF117032.D
 Acq: 13 Sep 2019 19:45

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	12.1	0.0	32.3
203	17.8	0.0	37.1

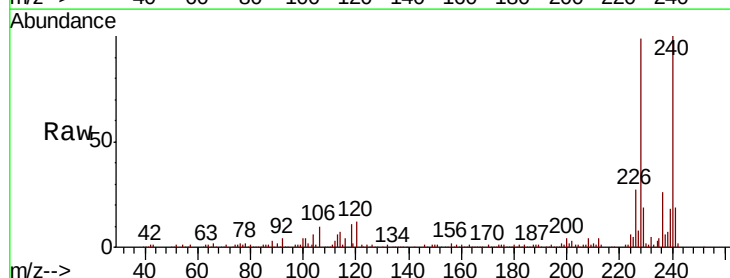


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

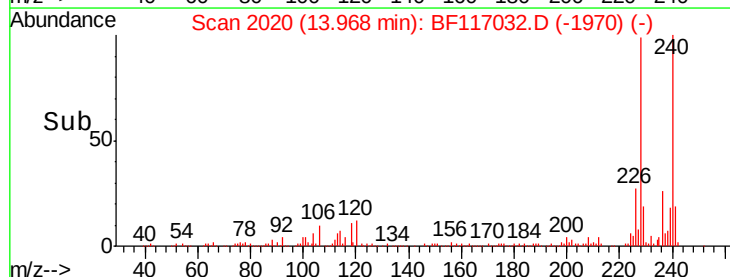
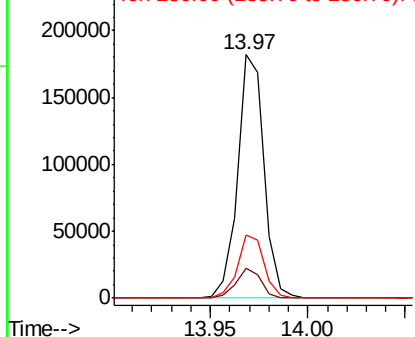


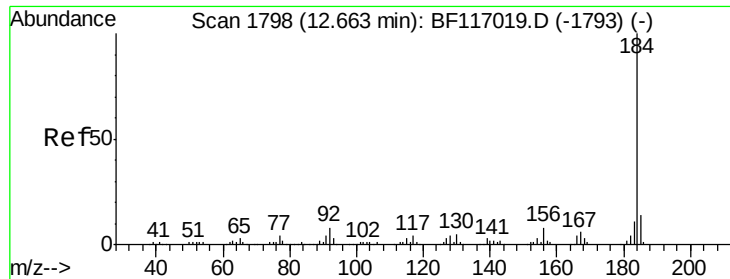
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.01 min
 Lab File: BF117032.D
 Acq: 13 Sep 2019 19:45

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.3	8.3	12.5
236	26.0	20.3	30.5



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





#77

Benzidine

Concen: 52.905 ng

RT: 12.66 min Scan# 1798

Delta R.T. 0.00 min

Lab File: BF117032.D

Acq: 13 Sep 2019 19:45

Instrument :

BNA_F

ClientSampleId :

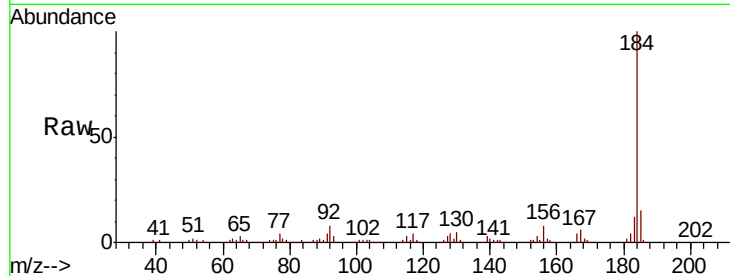
Tot Ion:184 Resp: 288942

Ion Ratio Lower Upper

184 100

185 14.7 11.6 17.4

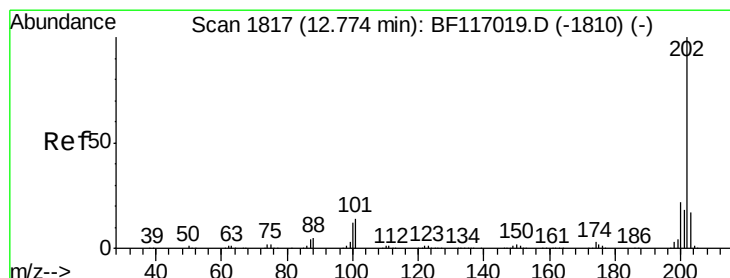
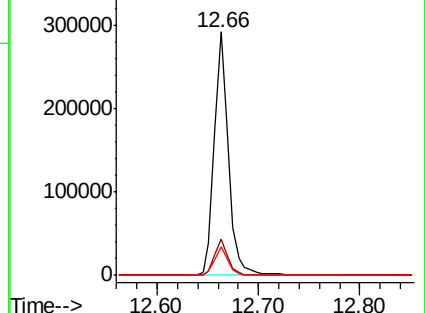
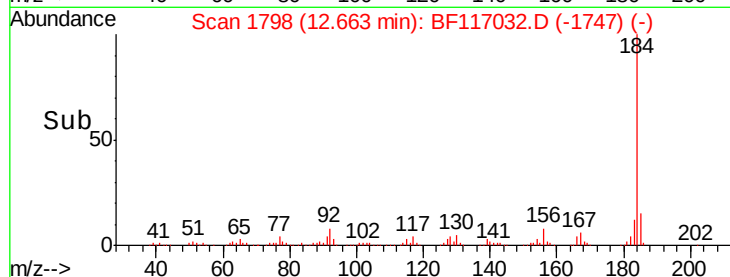
183 11.6 9.0 13.4



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: 42.732 ng

RT: 12.77 min Scan# 1817

Delta R.T. 0.00 min

Lab File: BF117032.D

Acq: 13 Sep 2019 19:45

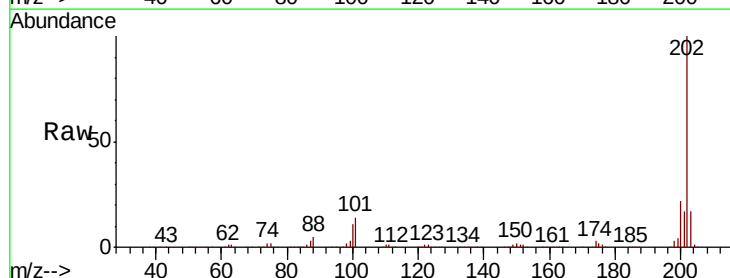
Tgt Ion:202 Resp: 607906

Ion Ratio Lower Upper

202 100

200 21.5 17.2 25.8

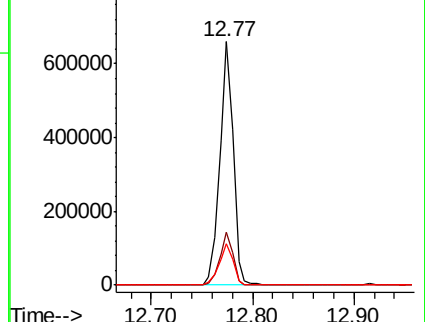
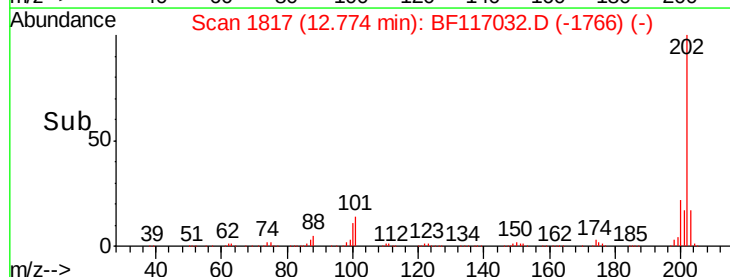
203 16.9 14.0 21.0

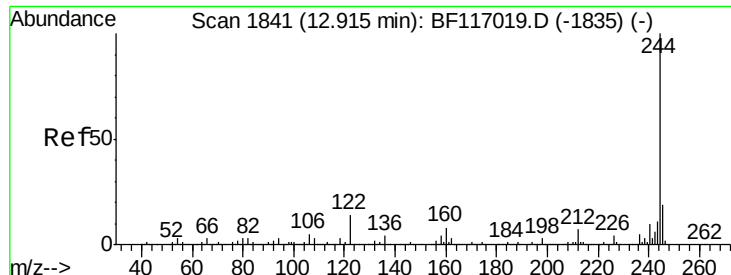


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

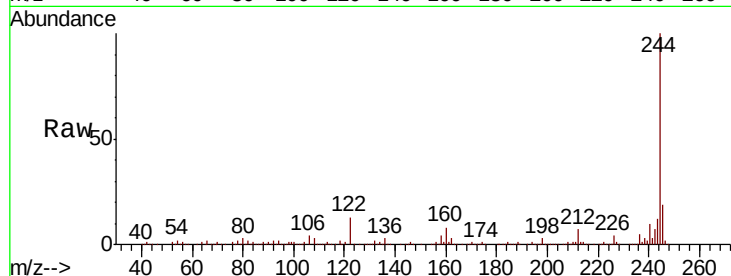




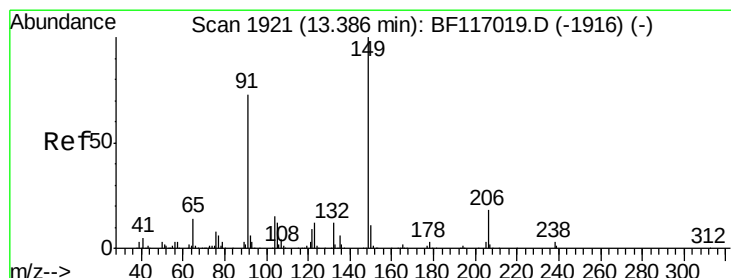
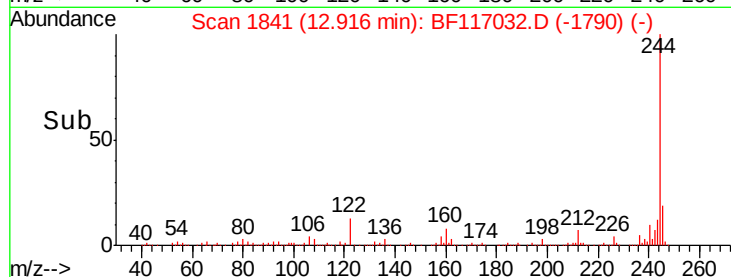
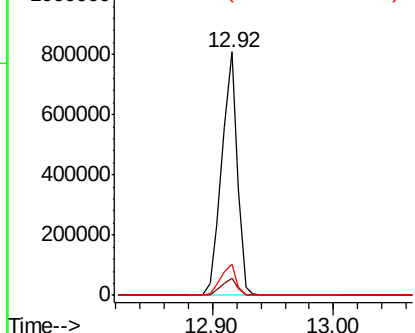
#79
 Terphenyl-d14
 Concen: 79.069 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: BF117032.D
 Acq: 13 Sep 2019 19:45

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 717183
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.8
 122 13.0 11.3 16.9

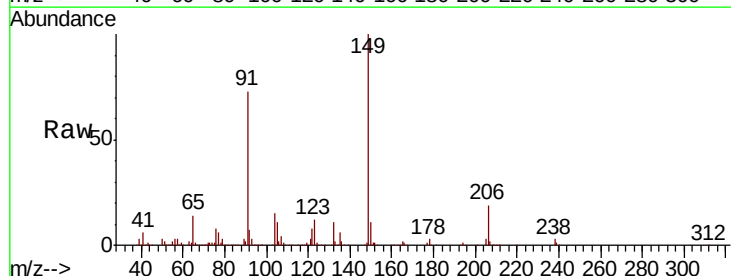


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

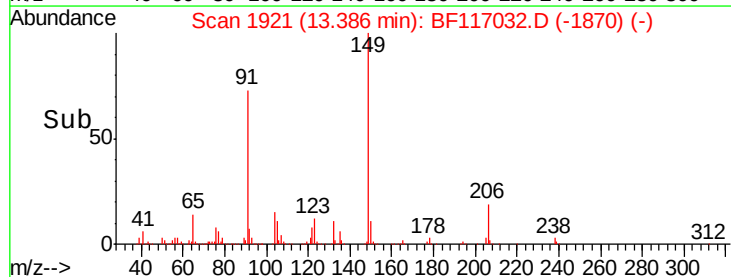
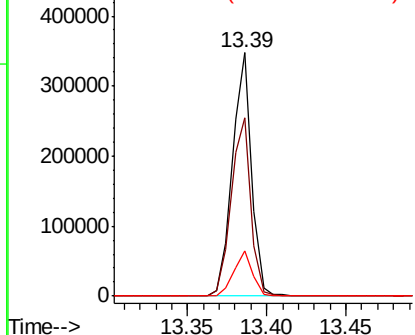


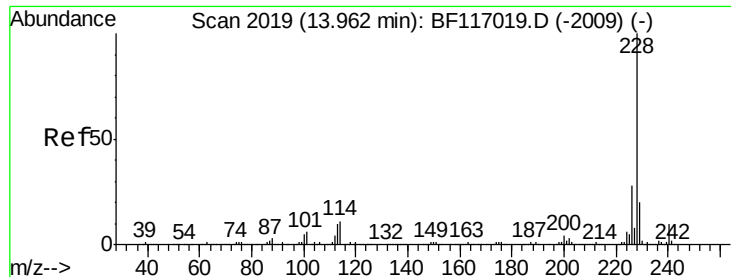
#80
 Butylbenzylphthalate
 Concen: 43.331 ng
 RT: 13.39 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: BF117032.D
 Acq: 13 Sep 2019 19:45

Tgt Ion:149 Resp: 291271
 Ion Ratio Lower Upper
 149 100
 91 73.3 58.8 88.2
 206 18.8 14.1 21.1



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: 42.385 ng

RT: 13.96 min Scan# 2019

Delta R.T. 0.00 min

Lab File: BF117032.D

Acq: 13 Sep 2019 19:45

Instrument :

BNA_F

ClientSampleId :

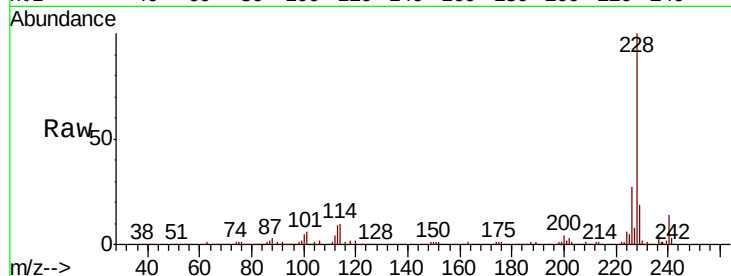
Tot Ion:228 Resp: 480119

Ion Ratio Lower Upper

228 100

226 27.4 22.3 33.5

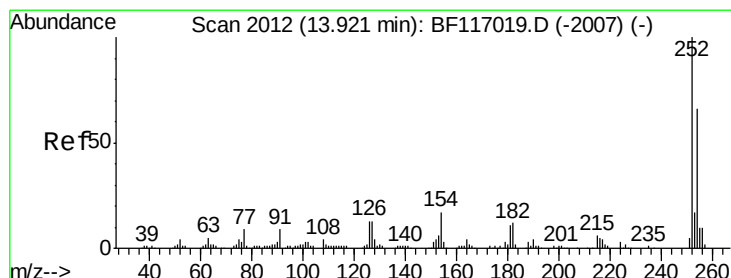
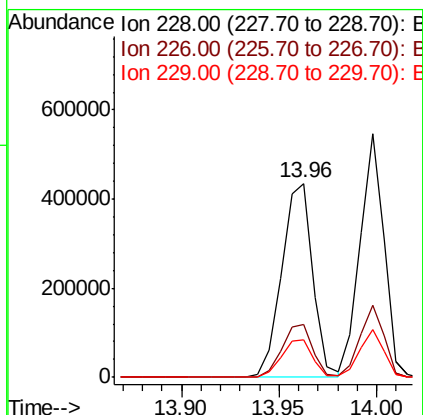
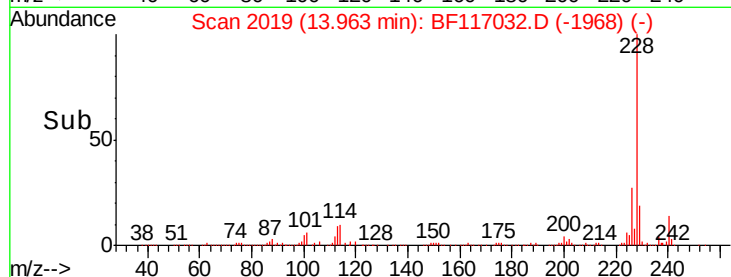
229 19.4 15.9 23.9



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 23.697 ng

RT: 13.92 min Scan# 2011

Delta R.T. -0.01 min

Lab File: BF117032.D

Acq: 13 Sep 2019 19:45

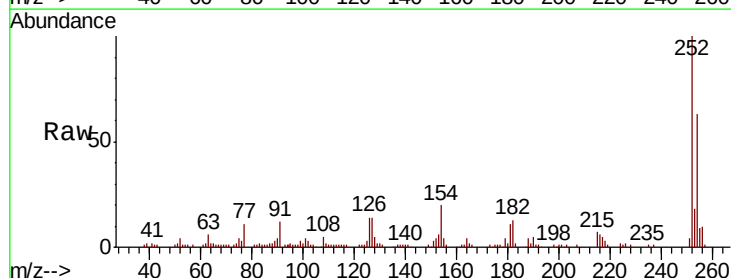
Tgt Ion:252 Resp: 86498

Ion Ratio Lower Upper

252 100

254 63.0 52.6 79.0

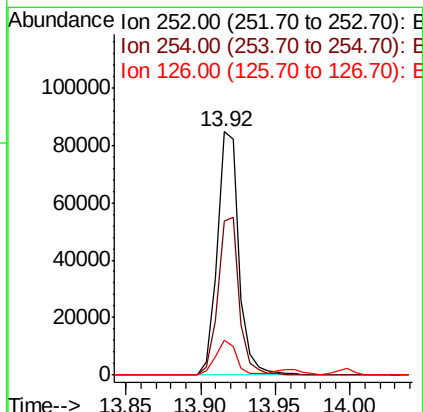
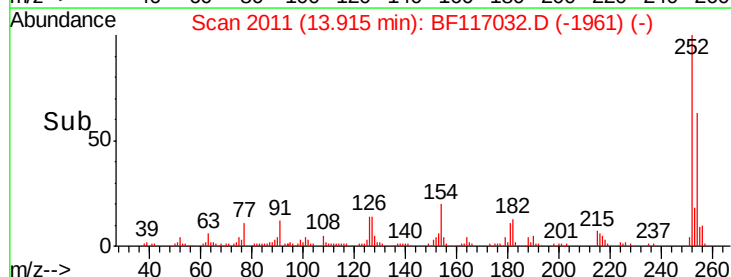
126 14.2 10.4 15.6

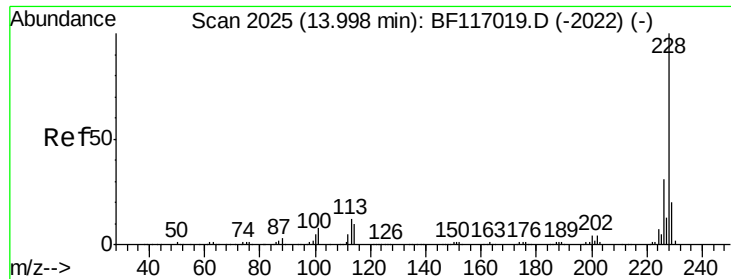


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 42.555 ng

RT: 14.00 min Scan# 2025

Delta R.T. 0.00 min

Lab File: BF117032.D

Acq: 13 Sep 2019 19:45

Instrument :

BNA_F

ClientSampleId :

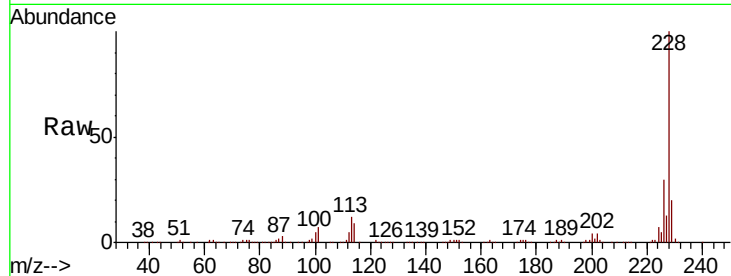
Tot Ion:228 Resp: 470146

Ion Ratio Lower Upper

228 100

226 29.7 24.8 37.2

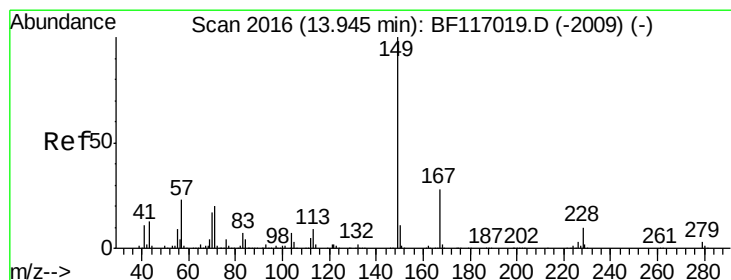
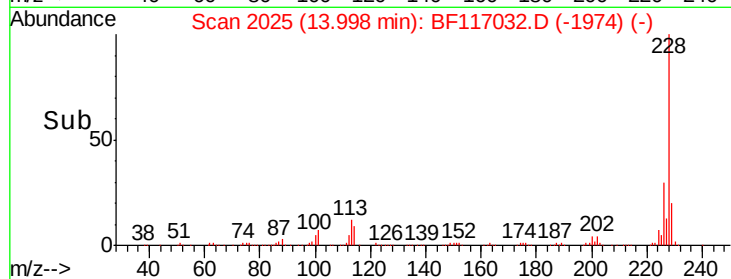
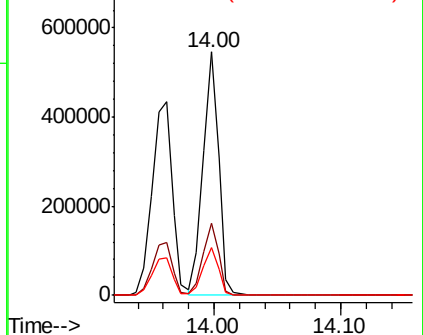
229 19.6 15.8 23.8



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: 46.056 ng

RT: 13.94 min Scan# 2016

Delta R.T. 0.00 min

Lab File: BF117032.D

Acq: 13 Sep 2019 19:45

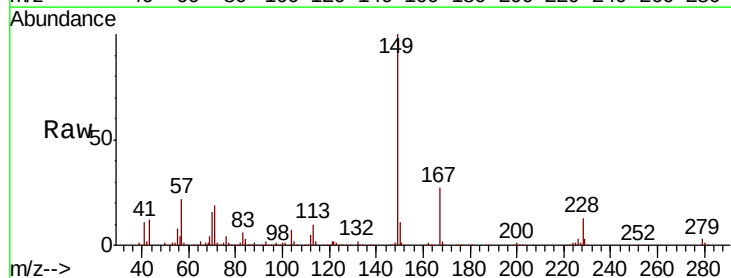
Tgt Ion:149 Resp: 399177

Ion Ratio Lower Upper

149 100

167 26.9 22.2 33.2

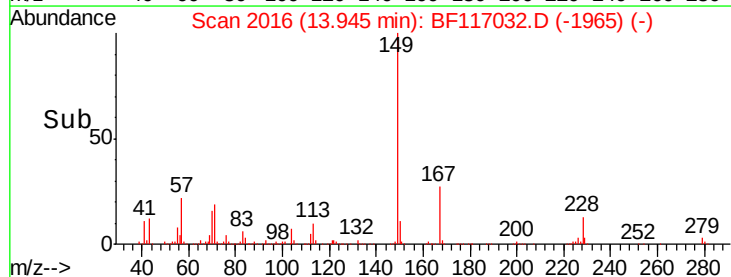
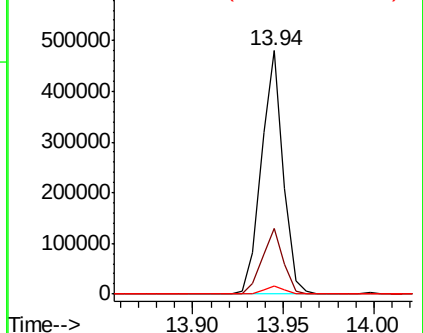
279 3.2 2.8 4.2

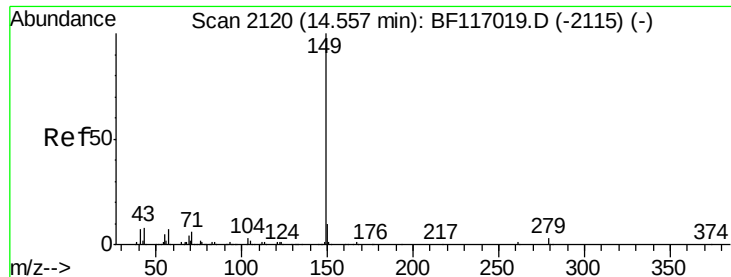


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

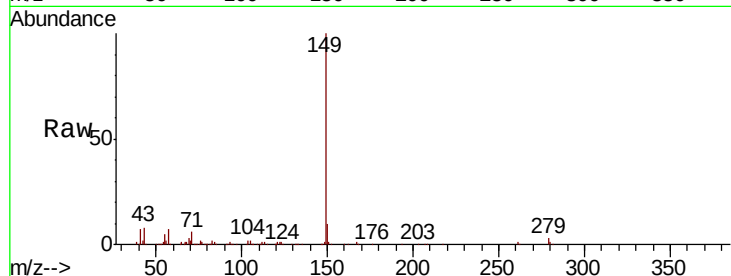




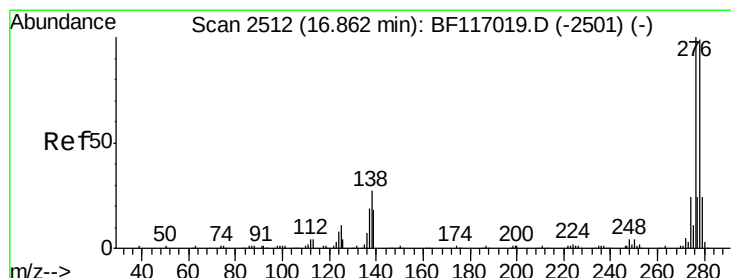
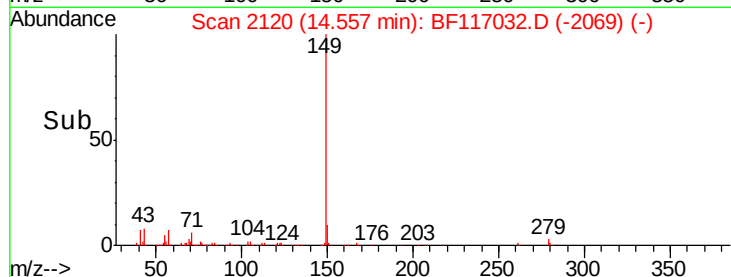
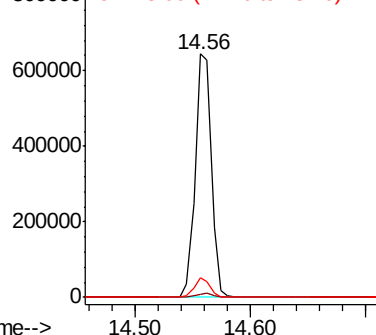
#85
Di-n-octyl phthalate
Concen: 45.896 ng
RT: 14.56 min Scan# 2120
Delta R.T. 0.00 min
Lab File: BF117032.D
Acq: 13 Sep 2019 19:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
149	100		
167	1.4	1.2	1.8
43	7.4	6.2	9.4

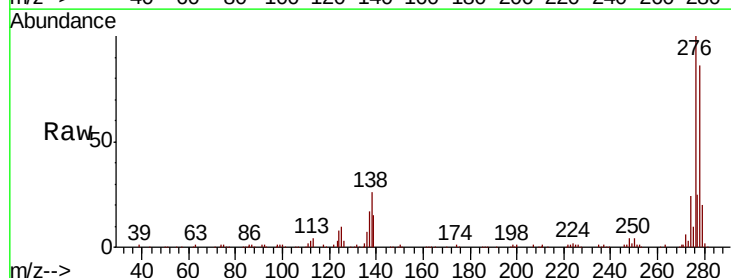


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1

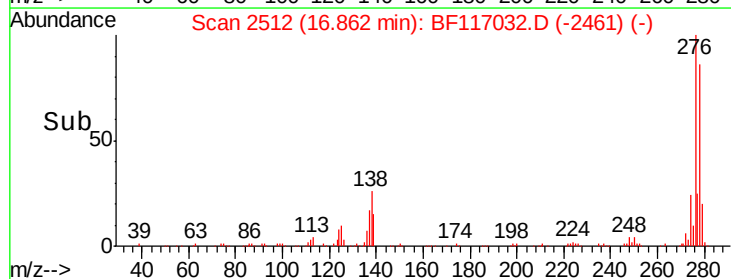
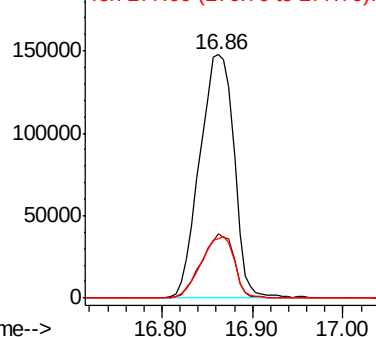


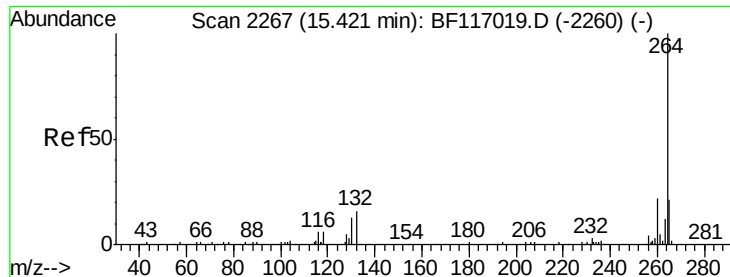
#86
Indeno(1,2,3-cd)pyrene
Concen: 48.277 ng
RT: 16.86 min Scan# 2512
Delta R.T. 0.00 min
Lab File: BF117032.D
Acq: 13 Sep 2019 19:45

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.1	20.7	31.1
277	24.5	19.8	29.8



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. 0.00 min

Lab File: BF117032.D

Acq: 13 Sep 2019 19:45

Instrument :

BNA_F

ClientSampleId :

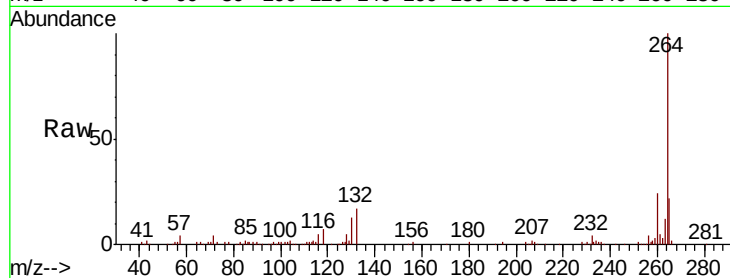
Tot Ion:264 Resp: 159896

Ion Ratio Lower Upper

264 100

260 23.5 17.6 26.4

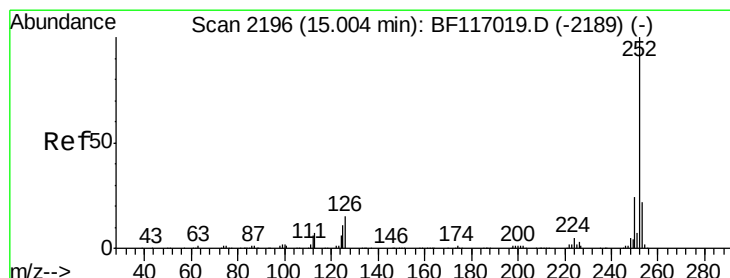
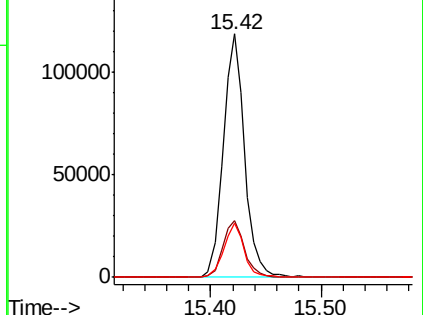
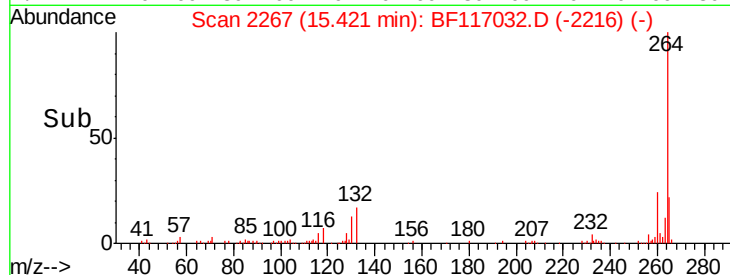
265 22.0 16.6 24.8



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 39.662 ng

RT: 15.00 min Scan# 2196

Delta R.T. 0.00 min

Lab File: BF117032.D

Acq: 13 Sep 2019 19:45

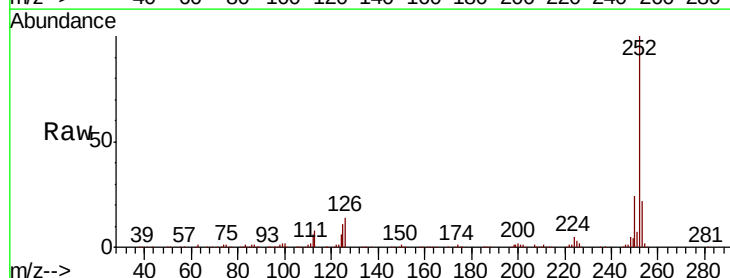
Tgt Ion:252 Resp: 384150

Ion Ratio Lower Upper

252 100

253 21.6 17.6 26.4

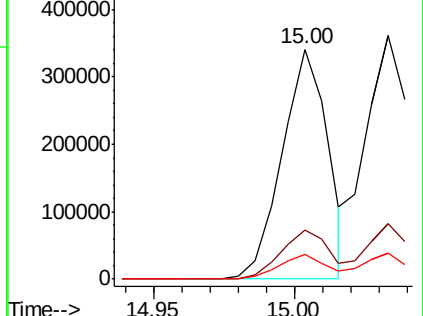
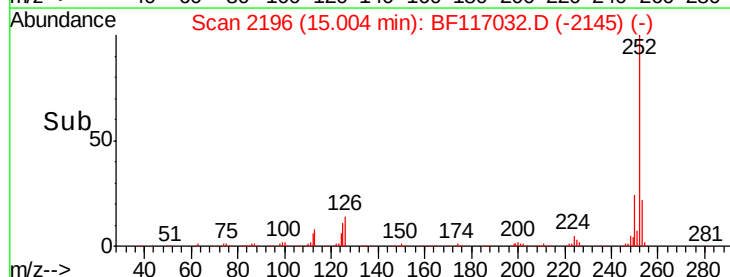
125 10.9 8.6 12.8

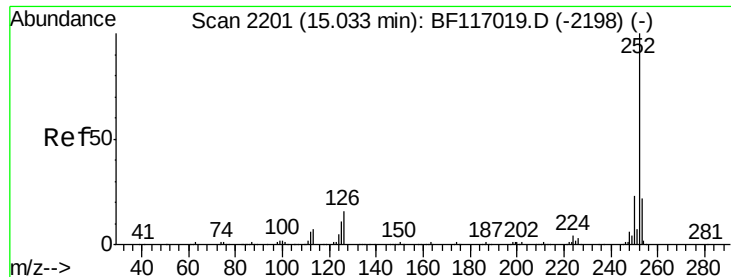


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

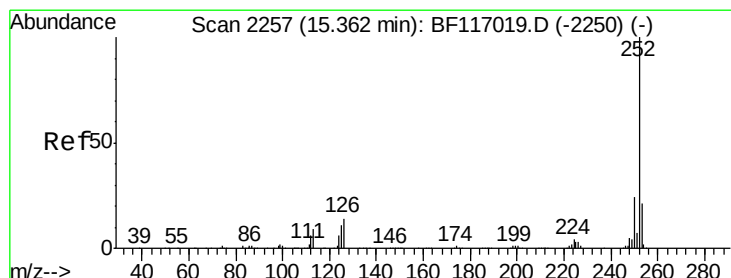
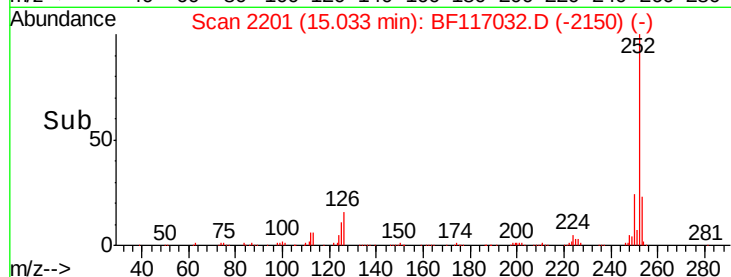
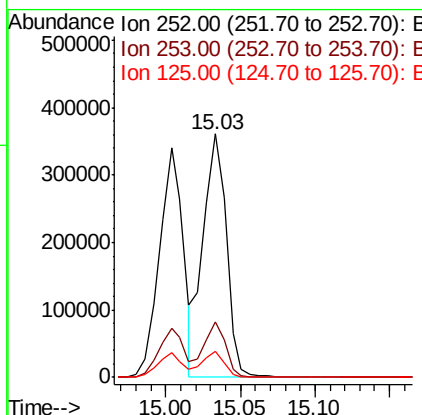
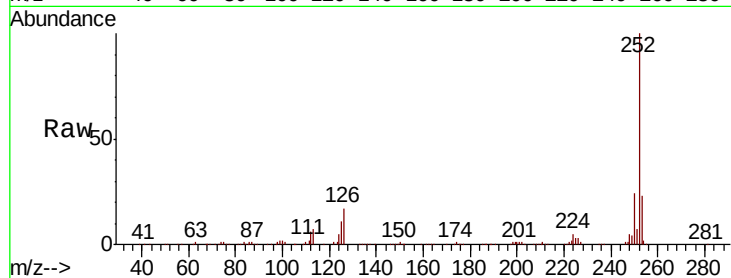




#89
Benzo(k)fluoranthene
Concen: 42.316 ng
RT: 15.03 min Scan# 2201
Delta R.T. 0.00 min
Lab File: BF117032.D
Acq: 13 Sep 2019 19:45

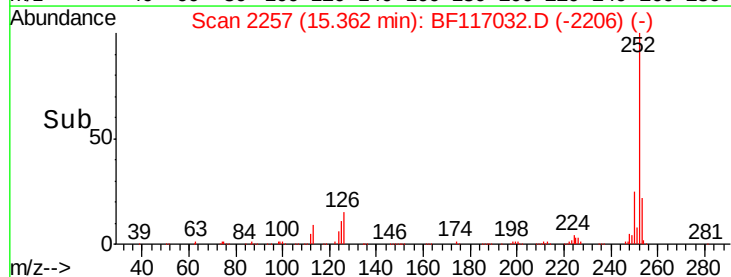
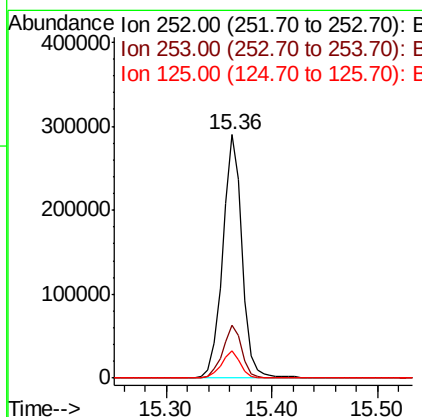
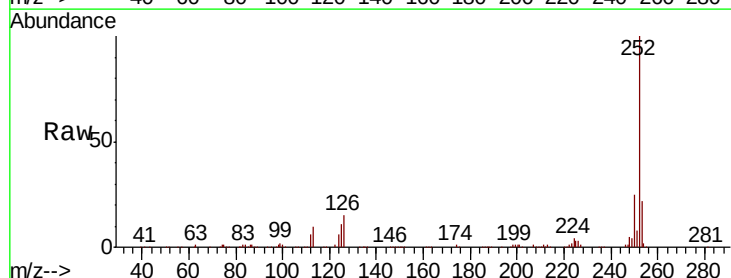
Instrument :
BNA_F
ClientSampled :

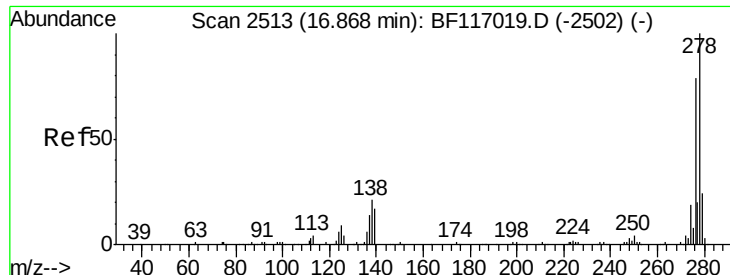
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.4	26.2
125	10.9	8.8	13.2



#90
Benzo(a)pyrene
Concen: 43.238 ng
RT: 15.36 min Scan# 2257
Delta R.T. 0.00 min
Lab File: BF117032.D
Acq: 13 Sep 2019 19:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	16.6	25.0
125	11.0	8.9	13.3

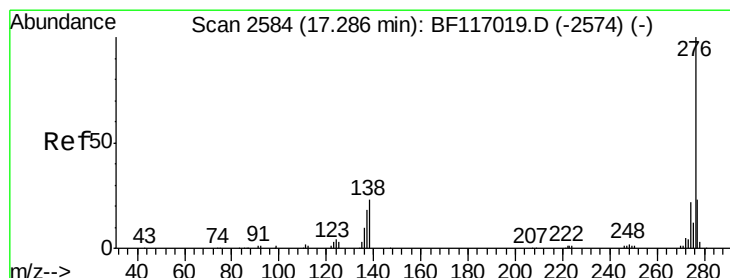
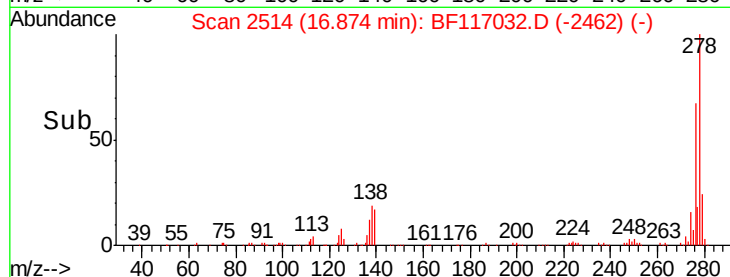
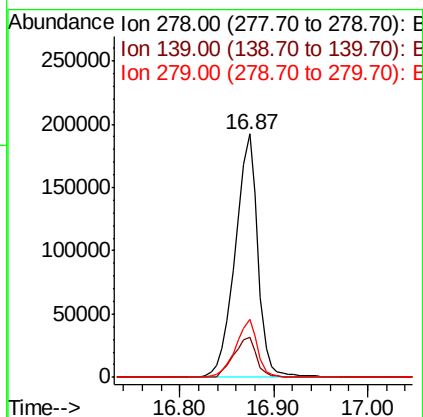
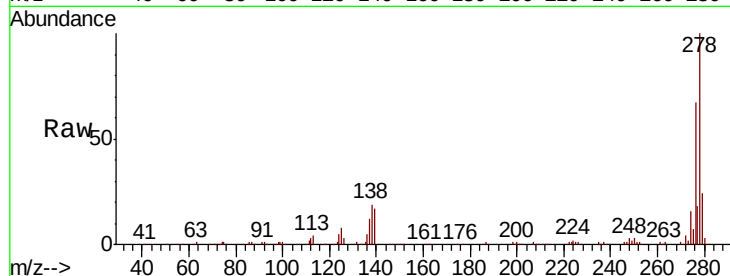




#91
Dibenzo(a,h)anthracene
Concen: 47.606 ng
RT: 16.87 min Scan# 2514
Delta R.T. 0.01 min
Lab File: BF117032.D
Acq: 13 Sep 2019 19:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.6	13.5	20.3
279	24.0	18.8	28.2



#92
Benzo(g,h,i)perylene
Concen: 48.972 ng
RT: 17.29 min Scan# 2585
Delta R.T. 0.01 min
Lab File: BF117032.D
Acq: 13 Sep 2019 19:45

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.7	18.6	27.8
138	21.1	18.0	27.0

