

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083119\
 Data File : BF116723.D
 Acq On : 1 Sep 2019 4:07
 Operator : HP/JU
 Sample : K4089-08MSD
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-082919MSD

Quant Time: Sep 01 04:56:05 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 30 20:02:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	124975	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	491388	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	258054	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	417644	20.00	ng	0.00
76) Chrysene-d12	13.99	240	249303	20.00	ng	0.00
87) Perylene-d12	15.44	264	288288	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.47	112	942947	122.23	ng	0.01
7) Phenol-d6	6.48	99	1186644	117.15	ng	0.00
23) Nitrobenzene-d5	7.41	82	891577	103.58	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	278377	161.36	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1486070	97.14	ng	0.00
79) Terphenyl-d14	12.95	244	1371386	101.76	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.72	88	145081	40.741	ng	# 86
3) Pyridine	3.44	79	242403	23.510	ng	96
4) n-Nitrosodimethylamine	3.36	42	144550	40.826	ng	# 77
6) Aniline	6.51	93	210471	15.002	ng	97
8) 2-Chlorophenol	6.64	128	406894	48.318	ng	99
9) Benzaldehyde	6.39	77	138497	20.753	ng	98
10) Phenol	6.49	94	448068	39.946	ng	97
11) bis(2-Chloroethyl)ether	6.59	93	411169	47.077	ng	97
12) 1,3-Dichlorobenzene	6.79	146	416016	43.710	ng	97
13) 1,4-Dichlorobenzene	6.87	146	425341	44.888	ng	99
14) 1,2-Dichlorobenzene	7.02	146	396214	45.120	ng	98
15) Benzyl Alcohol	6.99	79	382344	46.499	ng	95
16) 2,2'-oxybis(1-Chloropropan	7.12	45	454996	44.402	ng	98
17) 2-Methylphenol	7.10	107	334300	45.348	ng	97
18) Hexachloroethane	7.36	117	161824	43.957	ng	# 88
19) n-Nitroso-di-n-propylamine	7.26	70	306109	45.896	ng	92
20) 3+4-Methylphenols	7.25	107	400737	46.753	ng	# 80
22) Acetophenone	7.26	105	582762	49.260	ng	# 91
24) Nitrobenzene	7.43	77	459876	52.531	ng	95
25) Isophorone	7.67	82	863578	49.511	ng	98
26) 2-Nitrophenol	7.75	139	202800	62.310	ng	91
27) 2,4-Dimethylphenol	7.78	122	375489	57.124	ng	96
28) bis(2-Chloroethoxy)methane	7.87	93	525140	49.268	ng	99
29) 2,4-Dichlorophenol	7.99	162	339706	53.777	ng	99
30) 1,2,4-Trichlorobenzene	8.07	180	329223	48.050	ng	96
31) Naphthalene	8.15	128	1180943	50.541	ng	99
32) Benzoic acid	7.89	122	181715	48.960	ng	98
33) 4-Chloroaniline	8.19	127	82146	7.723	ng	97
34) Hexachlorobutadiene	8.27	225	174431	46.691	ng	98
35) Caprolactam	8.56	113	57293	24.235	ng	97
36) 4-Chloro-3-methylphenol	8.67	107	399088	54.968	ng	99
37) 2-Methylnaphthalene	8.84	142	817225	52.566	ng	98
38) 1-Methylnaphthalene	8.94	142	764094	52.064	ng	100
40) 1,2,4,5-Tetrachlorobenzene	9.01	216	298386	48.235	ng	# 98

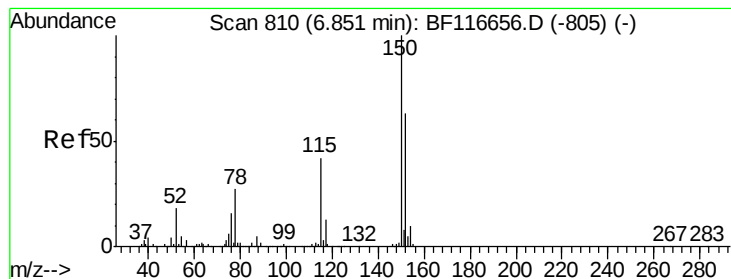
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.00	237	254043	71.116	nq	96
43) 2,4,6-Trichlorophenol	9.12	196	224346	52.906	nq	97
44) 2,4,5-Trichlorophenol	9.16	196	244907	55.630	nq	93
46) 1,1'-Biphenyl	9.30	154	958042	48.926	nq	98
47) 2-Chloronaphthalene	9.33	162	750072	48.363	nq	98
48) 2-Nitroaniline	9.42	65	251135	56.010	nq	99
49) Acenaphthylene	9.75	152	1219907	52.034	nq	99
50) Dimethylphthalate	9.60	163	944505	53.015	nq	99
51) 2,6-Dinitrotoluene	9.66	165	208971	61.477	nq	91
52) Acenaphthene	9.92	154	769521	53.421	nq	98
53) 3-Nitroaniline	9.83	138	113172	26.567	nq	98
54) 2,4-Dinitrophenol	9.93	184	118370	96.091	nq	86
55) Dibenzofuran	10.09	168	1063048	52.349	nq	97
56) 4-Nitrophenol	9.99	139	313383	107.291	nq	87
57) 2,4-Dinitrotoluene	10.07	165	280269	67.432	nq	92
58) Fluorene	10.43	166	818878	52.923	nq	98
59) 2,3,4,6-Tetrachlorophenol	10.20	232	188304	59.266	nq	97
60) Diethylphthalate	10.30	149	924418	51.799	nq	99
61) 4-Chlorophenyl-phenylether	10.42	204	353843	52.223	nq	95
62) 4-Nitroaniline	10.45	138	226946	54.897	nq	92
63) Azobenzene	10.58	77	975804	52.438	nq	95
65) 4,6-Dinitro-2-methylphenol	10.47	198	91286	57.586	nq	87
66) n-Nitrosodiphenylamine	10.54	169	759375	52.560	nq	97
67) 4-Bromophenyl-phenylether	10.91	248	219187	51.662	nq	97
68) Hexachlorobenzene	10.98	284	220121	49.588	nq	98
69) Atrazine	11.06	200	182829	45.183	nq	98
70) Pentachlorophenol	11.17	266	231142	107.641	nq	99
71) Phenanthrene	11.39	178	1189918	51.182	nq	99
72) Anthracene	11.44	178	1233436	52.704	nq	100
73) Carbazole	11.59	167	1144962	51.360	nq	100
74) Di-n-butylphthalate	11.92	149	1542015	53.956	nq	99
75) Fluoranthene	12.57	202	1125856	49.276	nq	98
78) Pyrene	12.80	202	1126656	50.839	nq	99
80) Butylbenzylphthalate	13.42	149	604074	56.052	nq	98
81) Benzo(a)anthracene	13.99	228	793324	50.279	nq	99
82) 3,3'-Dichlorobenzidine	13.94	252	175036	32.826	nq	98
83) Chrysene	14.02	228	825639	50.791	nq	98
84) Bis(2-ethylhexyl)phthalate	13.97	149	824992	62.014	nq	98
85) Di-n-octyl phthalate	14.59	149	1401466	64.374	nq	97
86) Indeno(1,2,3-cd)pyrene	16.89	276	811097	62.121	nq	# 93
88) Benzo(b)fluoranthene	15.03	252	852712	48.924	nq	99
89) Benzo(k)fluoranthene	15.06	252	765794	48.188	nq	98
90) Benzo(a)pyrene	15.39	252	798480	52.657	nq	97
91) Dibenzo(a,h)anthracene	16.91	278	692920	52.205	nq	# 94
92) Benzo(g,h,i)perylene	17.33	276	635316	46.933	nq	# 93

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.85 min Scan# 809

Delta R.T. -0.01 min

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ClientSampleId :

OK-02-082919MSD

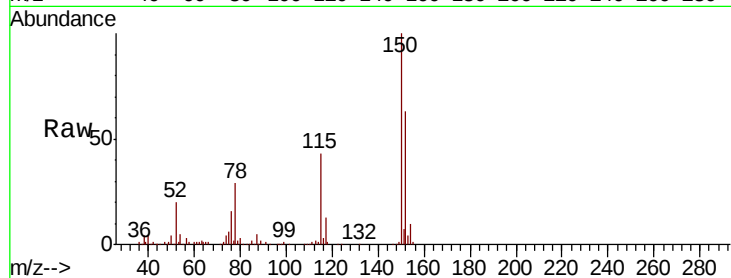
Tot Ion:152 Resp: 124975

Ion Ratio Lower Upper

152 100

150 159.5 124.4 186.6

115 69.0 49.9 74.9

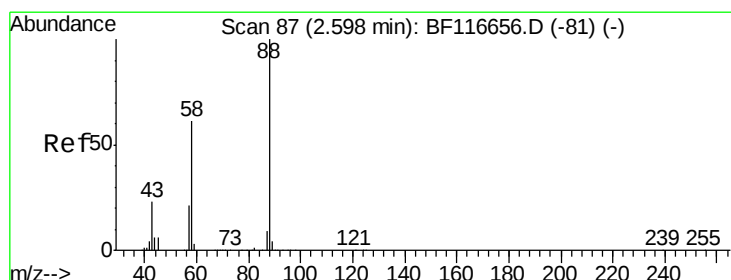
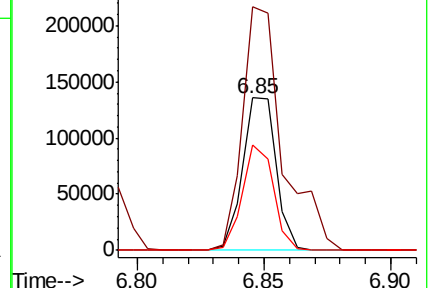
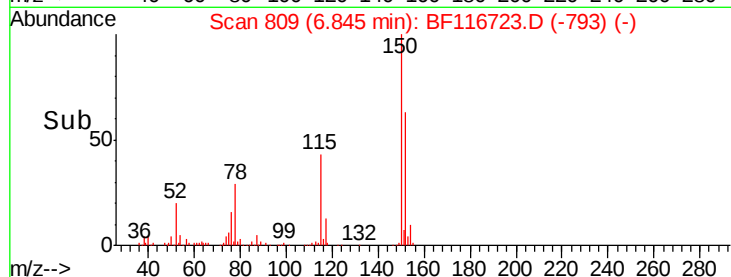


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 40.741 ng

RT: 2.72 min Scan# 108

Delta R.T. 0.12 min

Lab File: BF116723.D

Acq: 1 Sep 2019 4:07

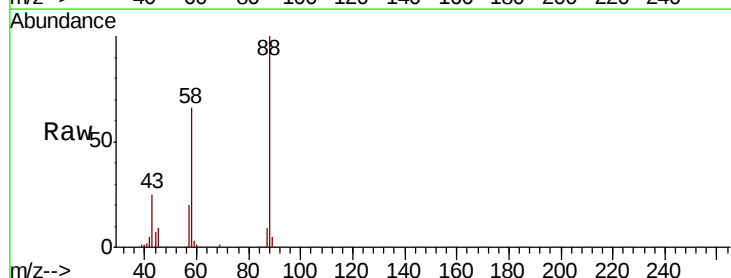
Tgt Ion: 88 Resp: 145081

Ion Ratio Lower Upper

88 100

58 64.8 51.7 77.5

43 0.0 19.8 29.8#

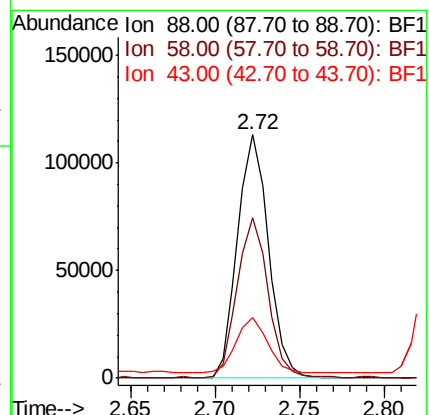
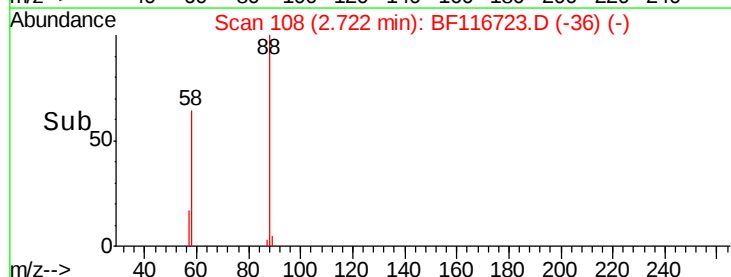


Abundance

Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





#3

Pvridine

Concen: 23.510 ng

RT: 3.44 min Scan# 230

Delta R.T. 0.09 min

Lab File: BF116723.D

Acq: 1 Sep 2019 4:07

Instrument :

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ClientSampleId :

OK-02-082919MSD

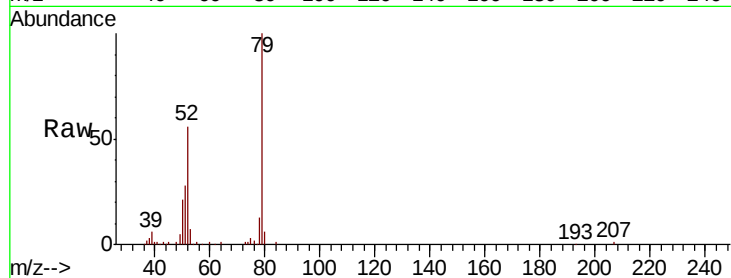
Tot Ion: 79 Resp: 242403

Ion Ratio Lower Upper

79 100

52 56.3 47.4 71.0

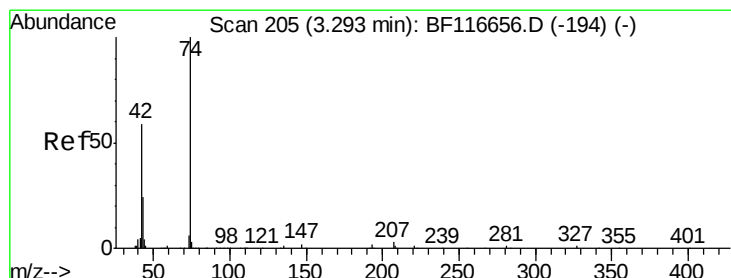
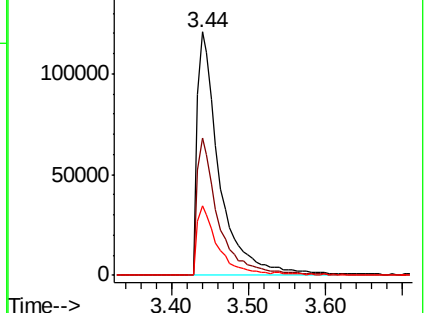
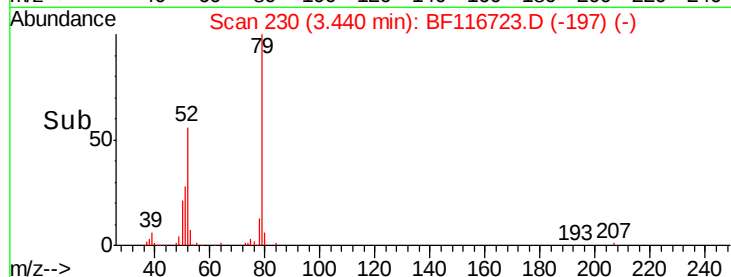
51 28.4 24.1 36.1



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 52.00 (51.70 to 52.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#4

n-Nitrosodimethylamine

Concen: 40.826 ng

RT: 3.36 min Scan# 217

Delta R.T. 0.07 min

Lab File: BF116723.D

Acq: 1 Sep 2019 4:07

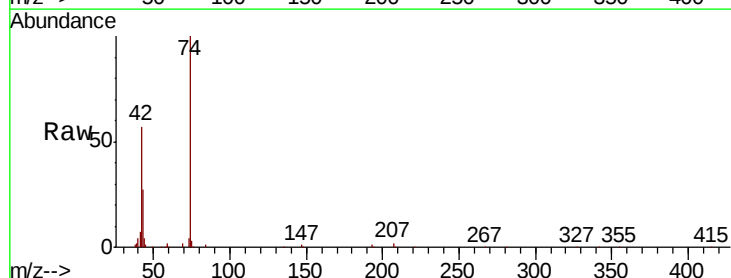
Tgt Ion: 42 Resp: 144550

Ion Ratio Lower Upper

42 100

74 174.7 115.6 173.4#

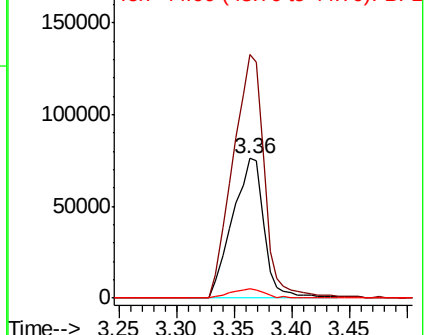
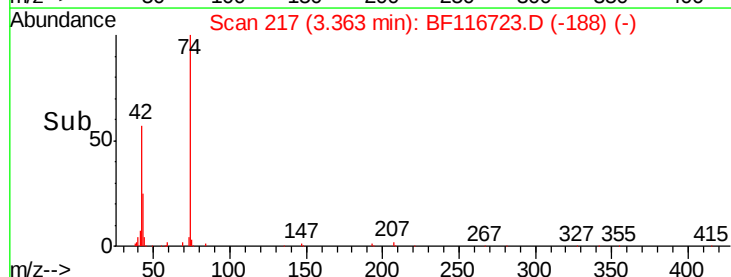
44 6.7 4.6 7.0



Abundance Ion 42.00 (41.70 to 42.70): BF1

Ion 74.00 (73.70 to 74.70): BF1

Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 122.235 ng

RT: 5.47 min Scan# 576

Delta R.T. 0.01 min

Lab File: BF116723.D

Acq: 1 Sep 2019 4:07

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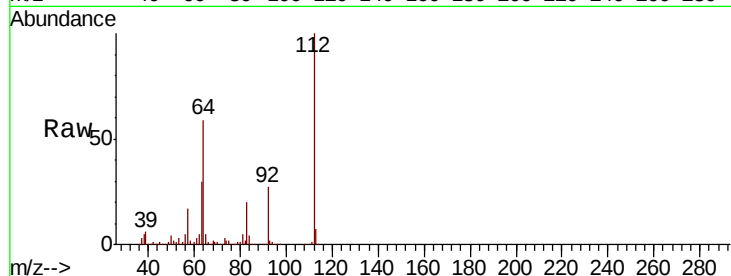
Tot Ion: 112 Resp: 942947

Ion Ratio Lower Upper

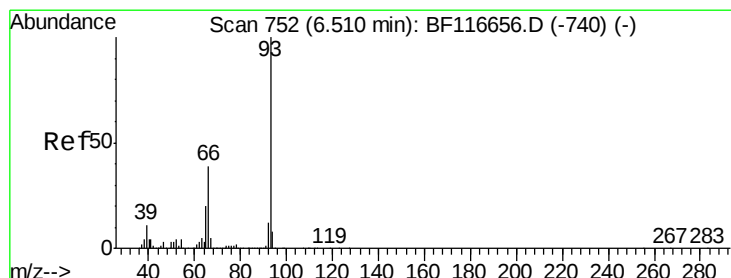
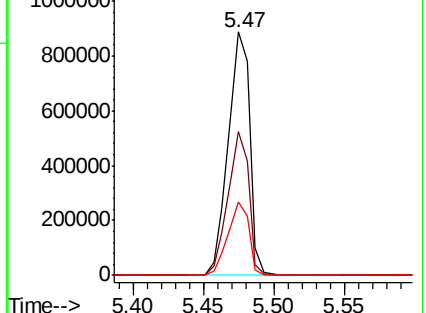
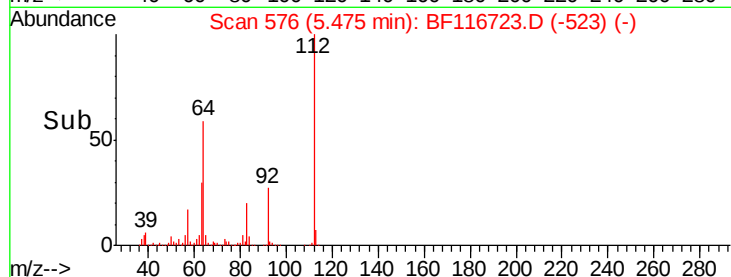
112 100

64 59.0 47.1 70.7

63 30.2 24.9 37.3



Abundance Ion 112.00 (111.70 to 112.70): BF1
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 15.002 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.00 min

Lab File: BF116723.D

Acq: 1 Sep 2019 4:07

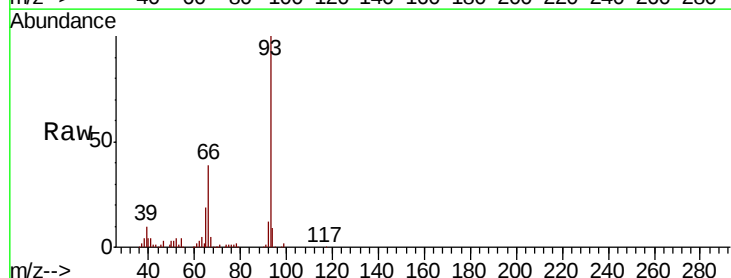
Tgt Ion: 93 Resp: 210471

Ion Ratio Lower Upper

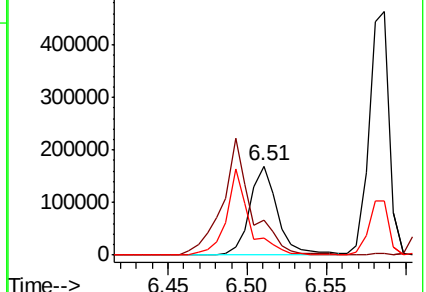
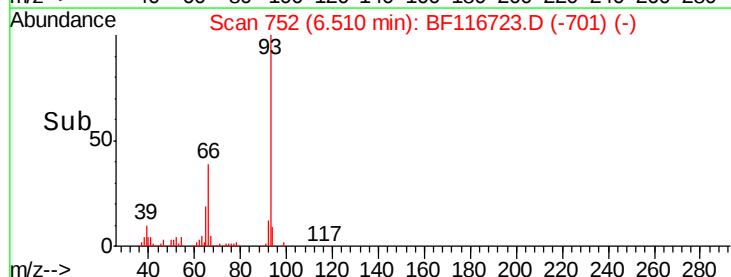
93 100

66 39.2 32.7 49.1

65 19.4 16.3 24.5



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 66.00 (65.70 to 66.70): BF1
Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 117.146 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.00 min

Lab File: BF116723.D

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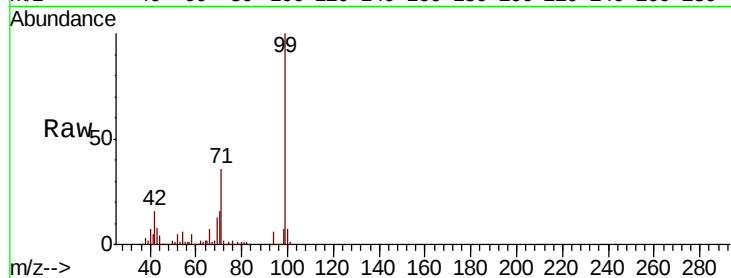
Tot Ion: 99 Resp: 1186644

Ion Ratio Lower Upper

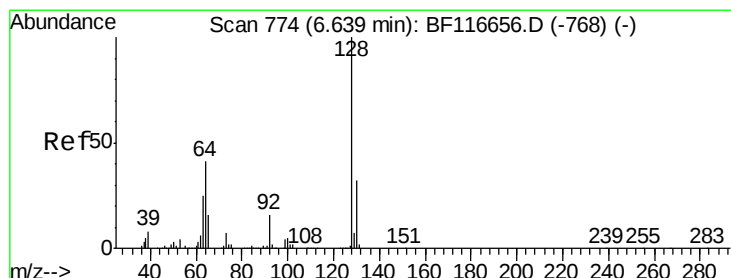
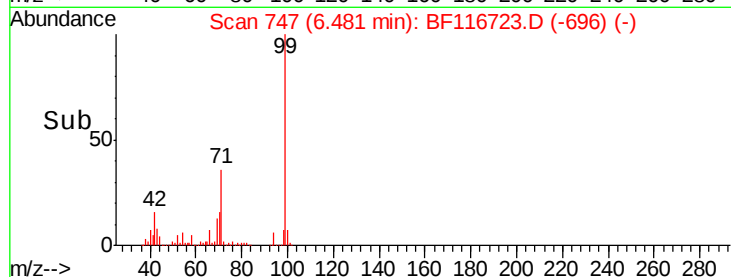
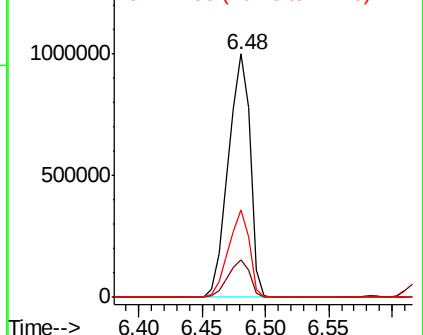
99 100

42 15.7 13.7 20.5

71 35.7 30.8 46.2



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: 48.318 ng

RT: 6.64 min Scan# 774

Delta R.T. 0.00 min

Lab File: BF116723.D

Acq: 1 Sep 2019 4:07

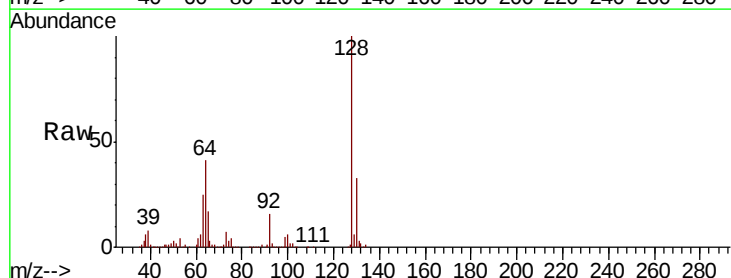
Tgt Ion: 128 Resp: 406894

Ion Ratio Lower Upper

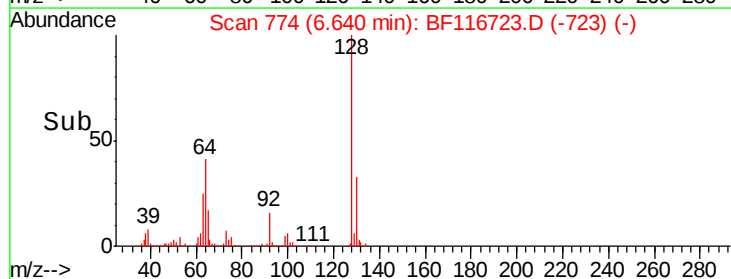
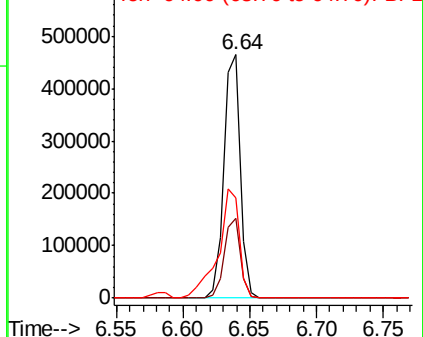
128 100

130 32.7 12.3 52.3

64 41.2 22.5 62.5



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 20.753 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.01 min

Lab File: BF116723.D

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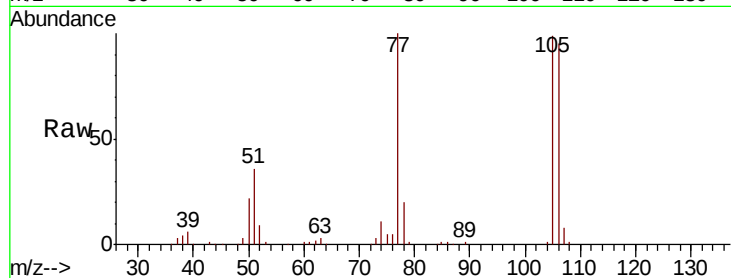
Tot Ion: 77 Resp: 138497

Ion Ratio Lower Upper

77 100

105 98.5 76.7 116.7

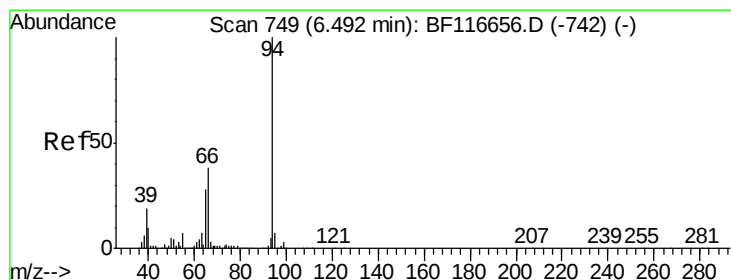
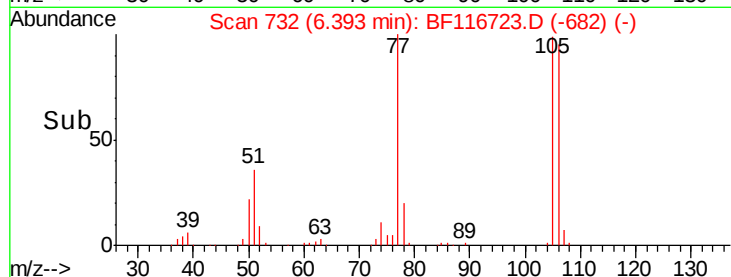
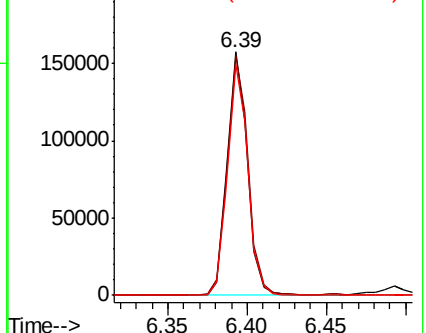
106 94.6 73.1 113.1



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: 39.946 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.00 min

Lab File: BF116723.D

Acq: 1 Sep 2019 4:07

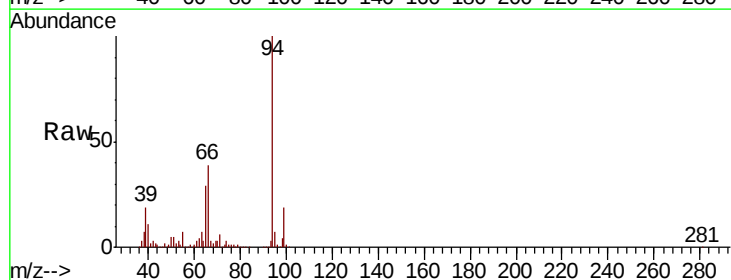
Tgt Ion: 94 Resp: 448068

Ion Ratio Lower Upper

94 100

65 28.8 10.8 50.8

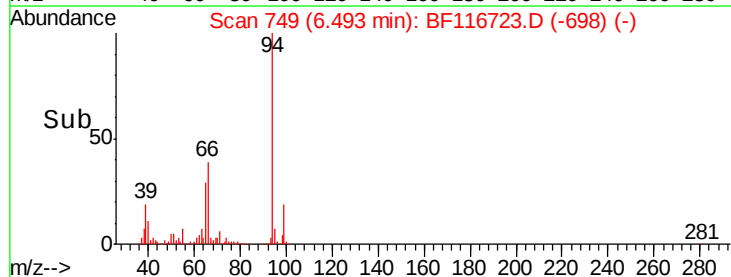
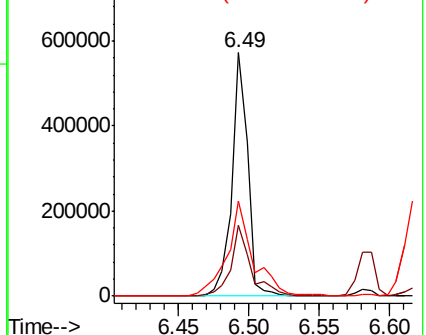
66 39.0 21.1 61.1



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

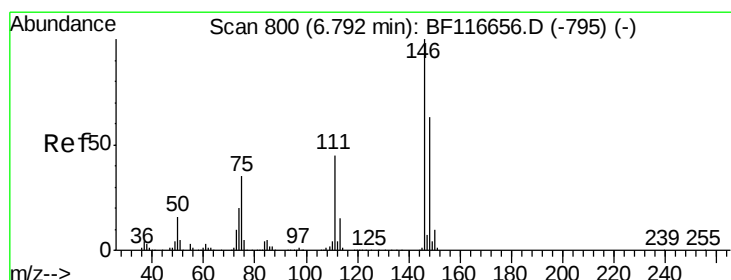
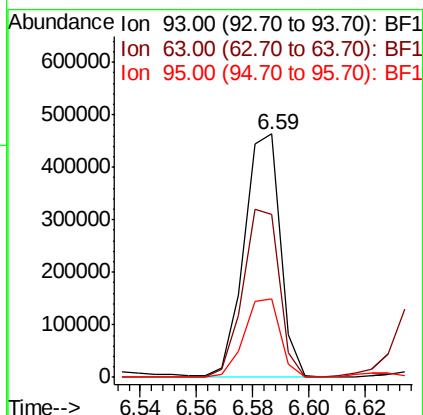
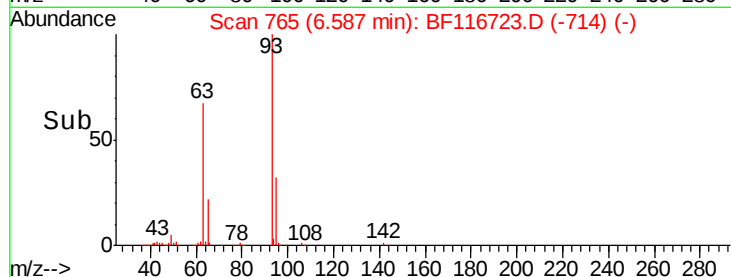
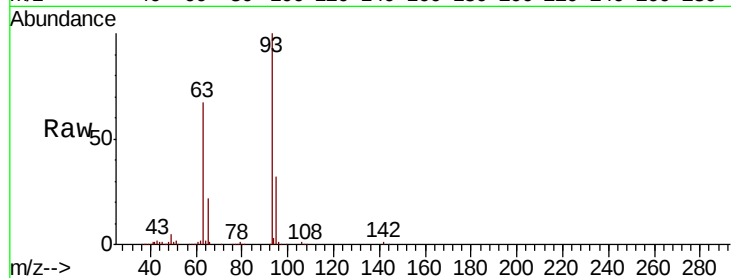




#11
bis(2-Chloroethyl)ether
Concen: 47.077 ng
RT: 6.59 min Scan# 765
Delta R.T. 0.00 min
Lab File: BF116723.D
Acq: 1 Sep 2019 4:07

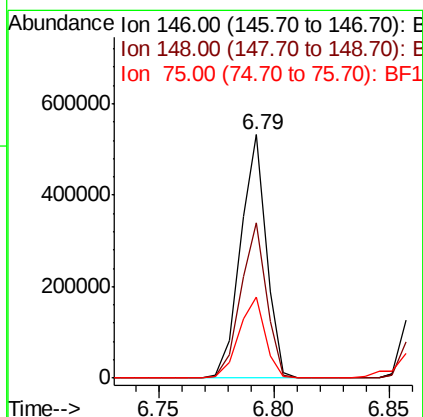
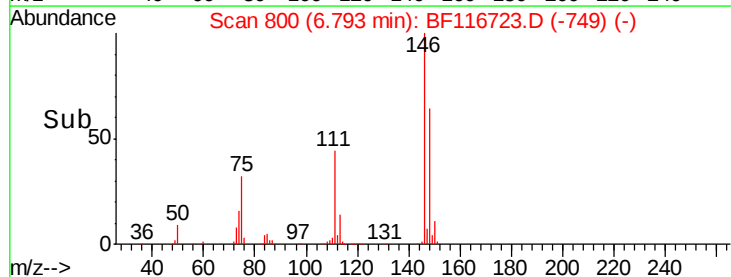
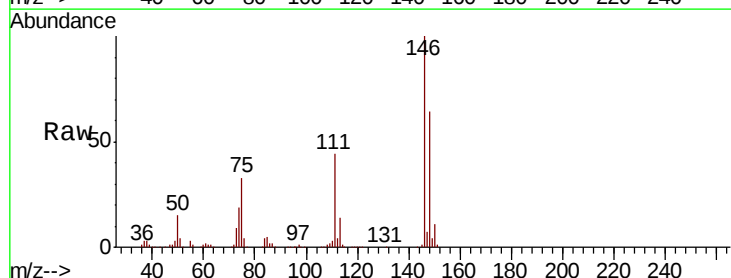
Instrument :
BNA_F
ClientSampleId :
OK-02-082919MSD

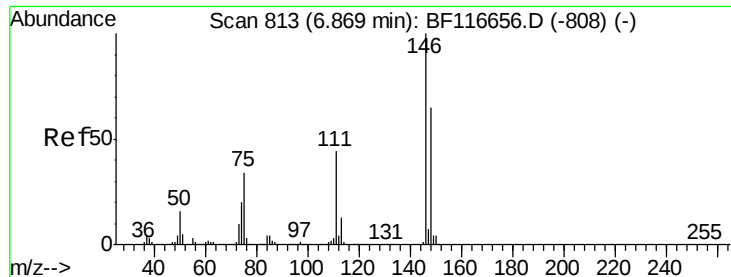
Tot Ion	Ratio	Lower	Upper
93	100		
63	67.0	49.9	89.9
95	32.2	12.7	52.7



#12
1,3-Dichlorobenzene
Concen: 43.710 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.00 min
Lab File: BF116723.D
Acq: 1 Sep 2019 4:07

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.4	77.0
75	33.0	29.6	44.4





#13

1,4-Dichlorobenzene

Concen: 44.888 ng

RT: 6.87 min Scan# 813

Delta R.T. 0.00 min

Lab File: BF116723.D

Acq: 1 Sep 2019 4:07

Instrument :

BNA_F

ClientSampleId :

OK-02-082919MSD

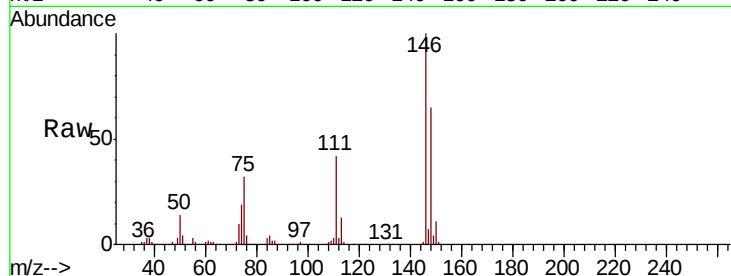
Tot Ion:146 Resp: 425341

Ion Ratio Lower Upper

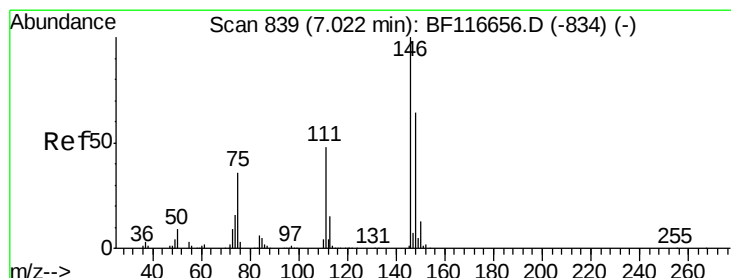
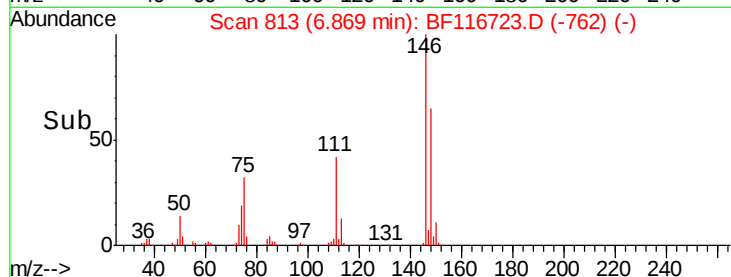
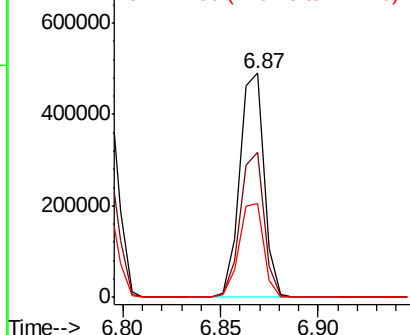
146 100

148 65.0 51.4 77.2

111 42.2 34.8 52.2



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 45.120 ng

RT: 7.02 min Scan# 839

Delta R.T. 0.00 min

Lab File: BF116723.D

Acq: 1 Sep 2019 4:07

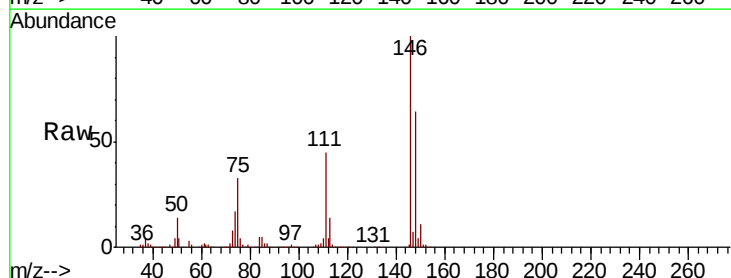
Tgt Ion:146 Resp: 396214

Ion Ratio Lower Upper

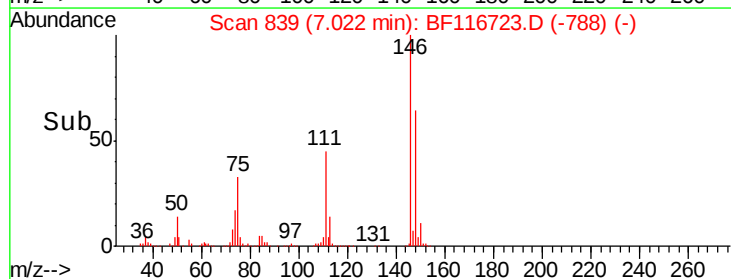
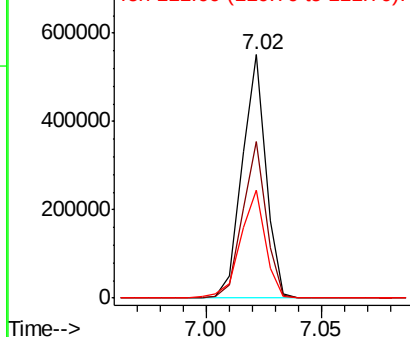
146 100

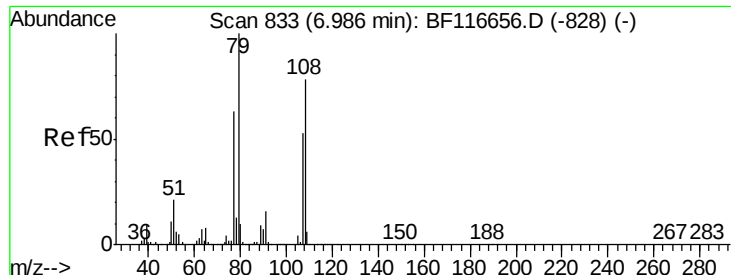
148 64.4 52.6 78.8

111 44.5 34.2 51.4



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 46.499 ng

RT: 6.99 min Scan# 833

Delta R.T. 0.00 min

Lab File: BF116723.D

Acq: 1 Sep 2019 4:07

Instrument :

BNA_F

ClientSampleId :

OK-02-082919MSD

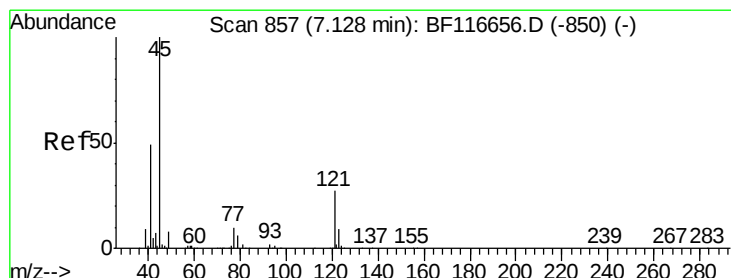
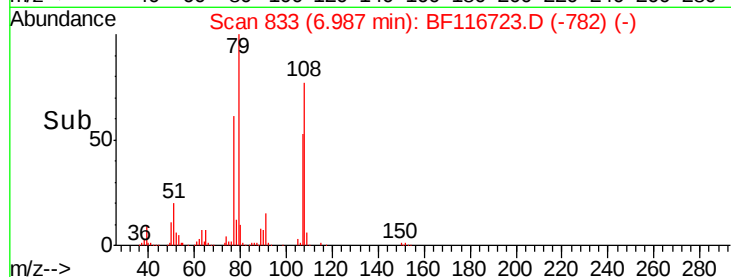
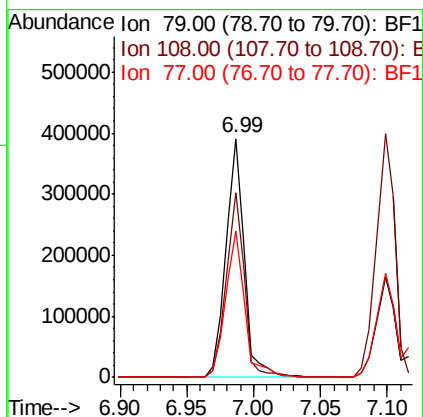
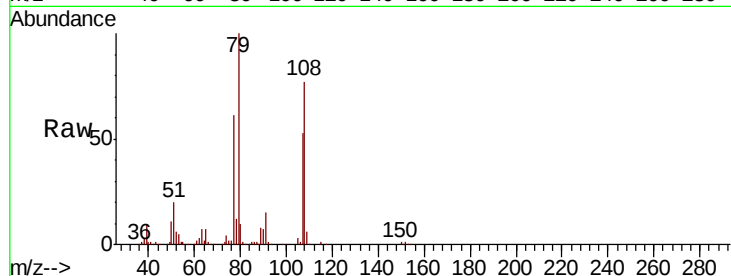
Tot Ion: 79 Resp: 382344

Ion Ratio Lower Upper

79 100

108 77.2 59.2 88.8

77 61.4 53.0 79.4



#16

2,2'-oxybis(1-chloropropane)

Concen: 44.402 ng

RT: 7.12 min Scan# 856

Delta R.T. -0.01 min

Lab File: BF116723.D

Acq: 1 Sep 2019 4:07

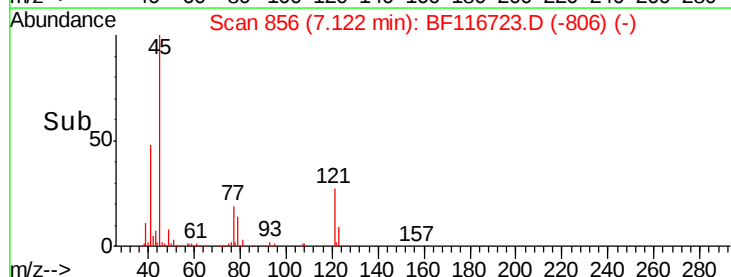
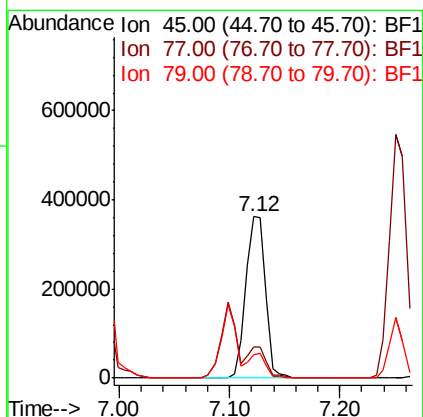
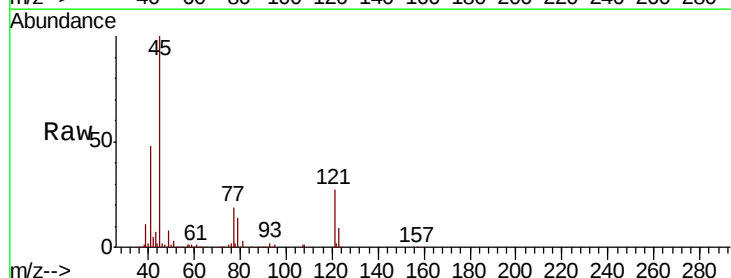
Tgt Ion: 45 Resp: 454996

Ion Ratio Lower Upper

45 100

77 19.0 0.0 38.2

79 14.5 0.0 33.9

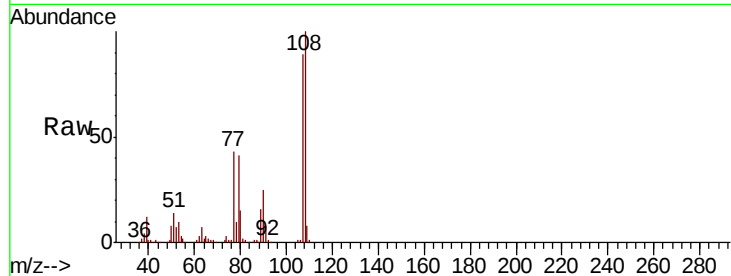




#17
2-Methylphenol
Concen: 45.348 ng
RT: 7.10 min Scan# 852
Delta R.T. 0.00 min
Lab File: BF116723.D
Acq: 1 Sep 2019 4:07

Instrument :
BNA_F
ClientSampleId :
OK-02-082919MSD

Tot Ion:	107	Resp:	334300
Ion	Ratio	Lower	Upper
107	100		
108	112.6	88.3	132.5
77	48.0	39.9	59.9
79	46.4	39.8	59.8



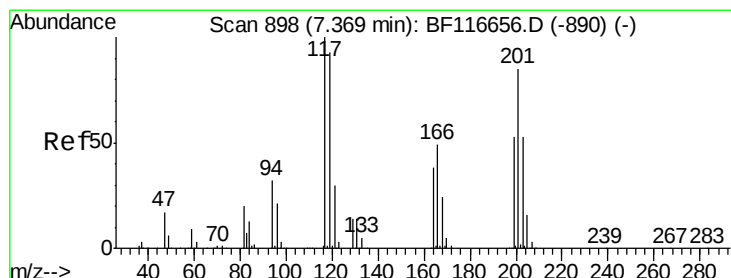
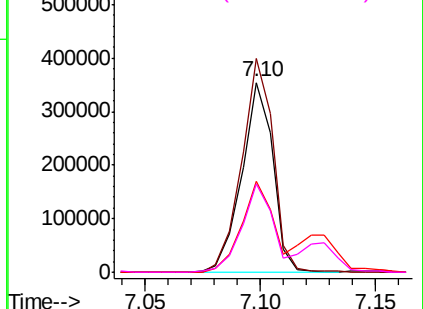
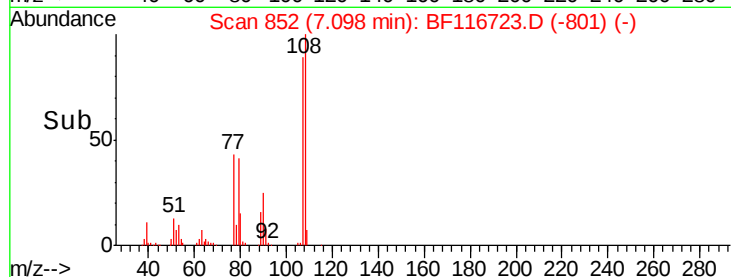
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

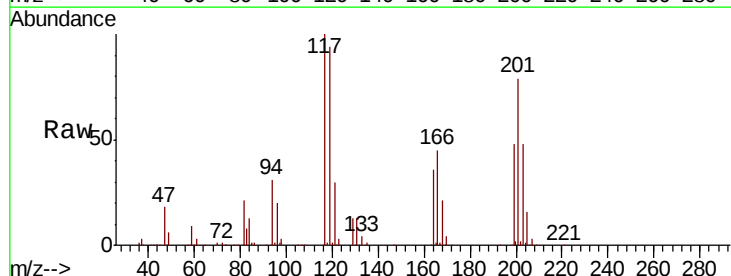
Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18
Hexachloroethane
Concen: 43.957 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF116723.D
Acq: 1 Sep 2019 4:07

Tgt Ion:	117	Resp:	161824
Ion	Ratio	Lower	Upper
117	100		
119	93.7	76.9	115.3
201	79.0	79.4	119.0#

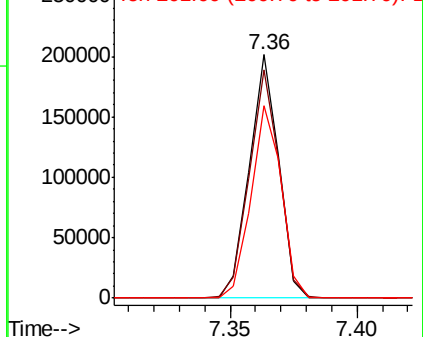
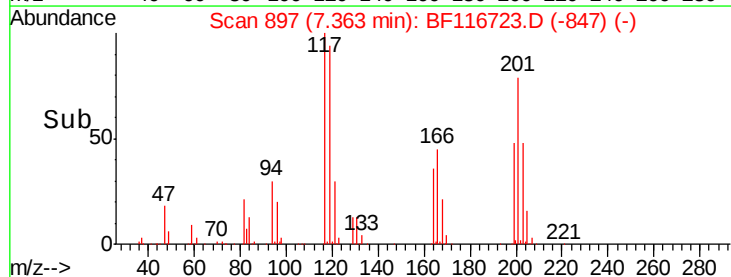


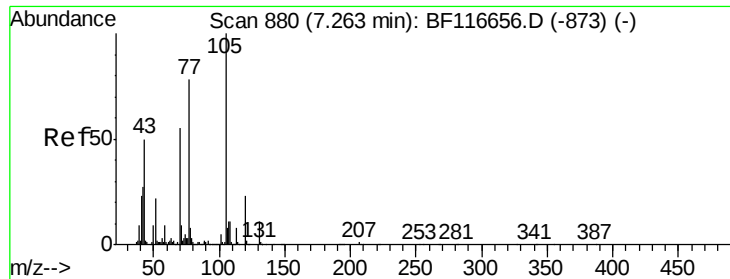
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

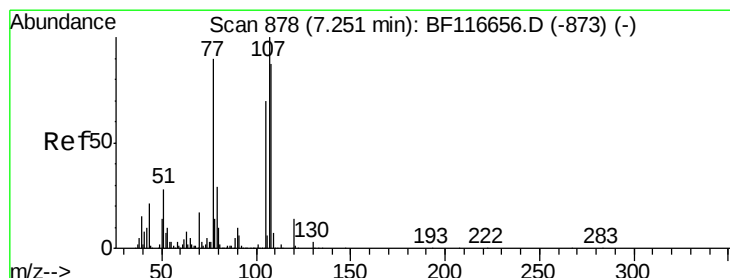
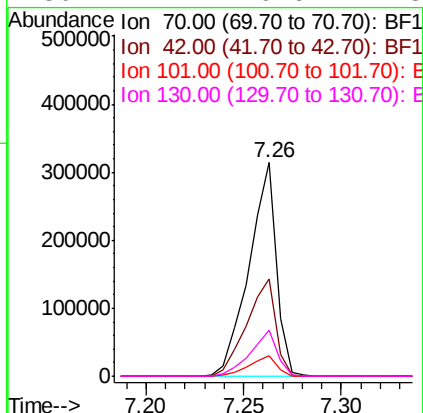
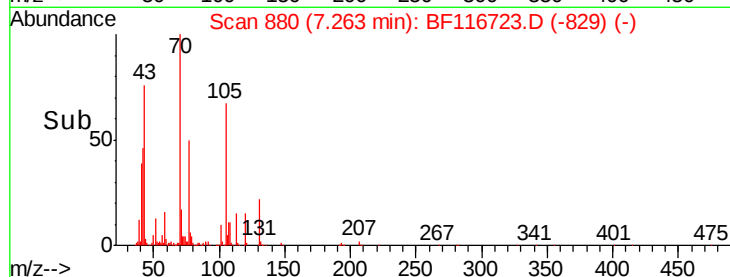
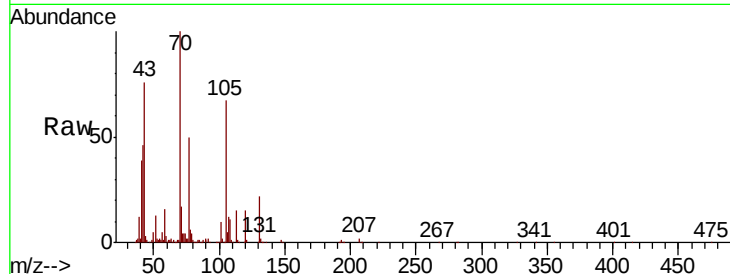




#19
n-Nitroso-di-n-propylamine
Concen: 45.896 ng
RT: 7.26 min Scan# 880
Delta R.T. 0.00 min
Lab File: BF116723.D
Acq: 1 Sep 2019 4:07

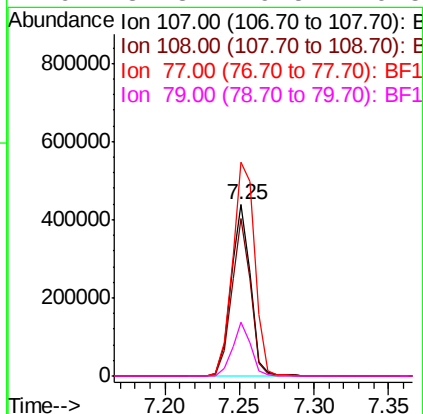
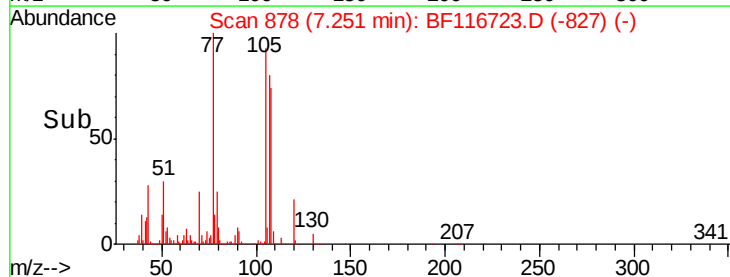
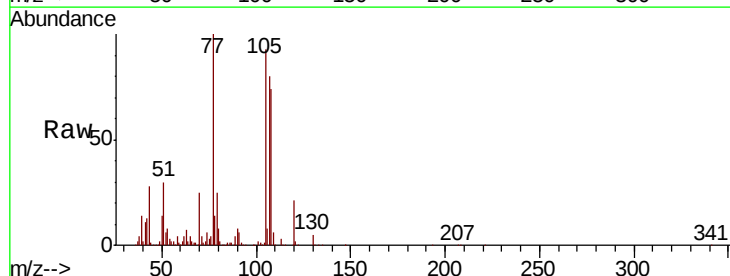
Instrument :
BNA_F
ClientSampleId :
OK-02-082919MSD

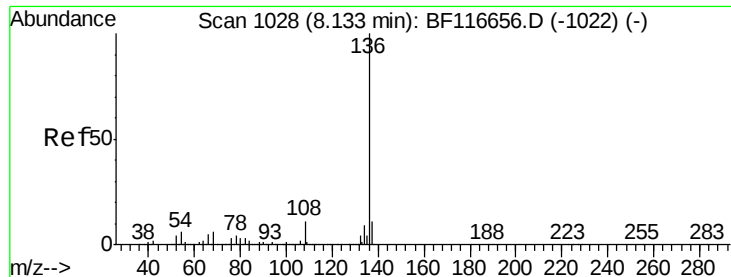
Tot Ion:	70	Resp:	306109
Ion	Ratio	Lower	Upper
70	100		
42	45.6	43.5	65.3
101	9.6	7.8	11.6
130	21.7	16.6	24.8



#20
3+4-Methylphenols
Concen: 46.753 ng
RT: 7.25 min Scan# 878
Delta R.T. 0.00 min
Lab File: BF116723.D
Acq: 1 Sep 2019 4:07

Tgt Ion:	107	Resp:	400737
Ion	Ratio	Lower	Upper
107	100		
108	91.9	65.5	105.5
77	124.6	69.4	109.4#
79	31.3	9.5	49.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF116723.D

Acq: 1 Sep 2019 4:07

Instrument :

BNA_F

ClientSampleId :

OK-02-082919MSD

Tot Ion:136 Resp: 491388

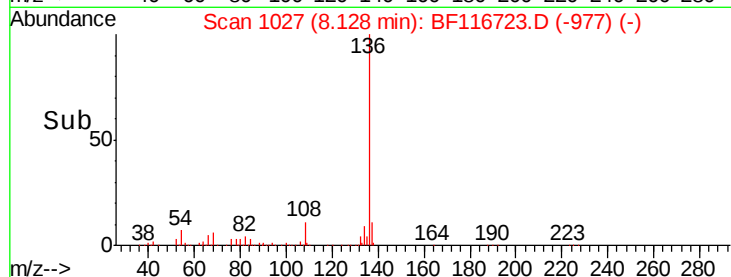
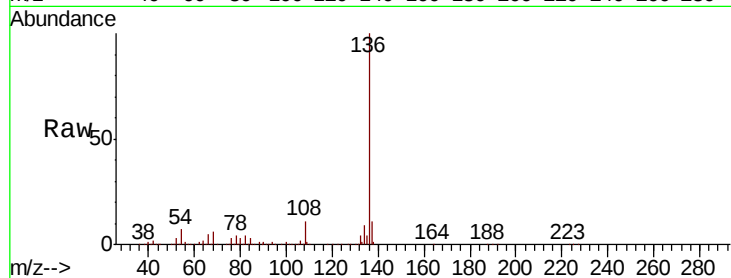
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 6.6 4.8 7.2

68 5.8 4.0 6.0



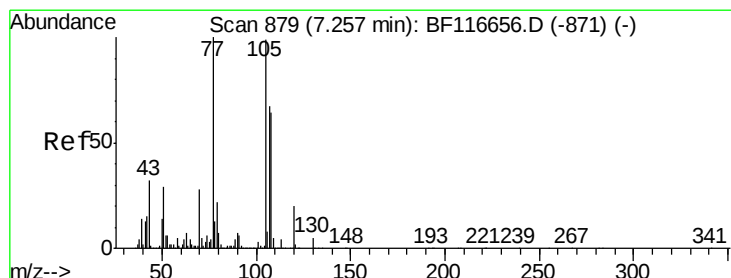
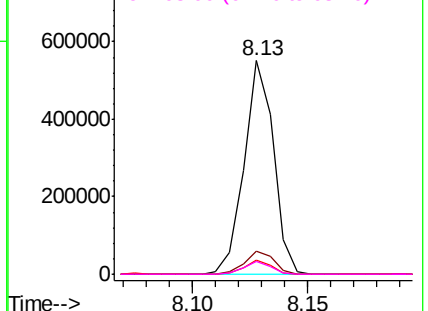
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 49.260 ng

RT: 7.26 min Scan# 879

Delta R.T. 0.00 min

Lab File: BF116723.D

Acq: 1 Sep 2019 4:07

Tgt Ion:105 Resp: 582762

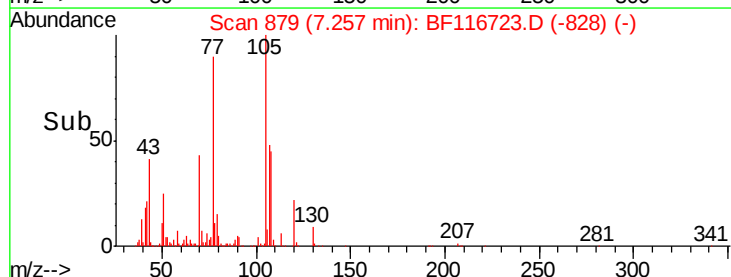
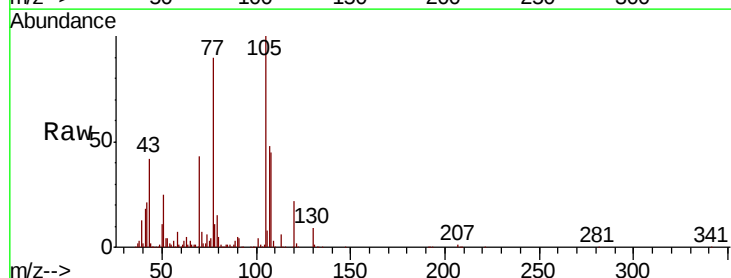
Ion Ratio Lower Upper

105 100

71 7.3 4.2 6.4#

51 24.7 25.8 38.8#

120 21.9 16.4 24.6



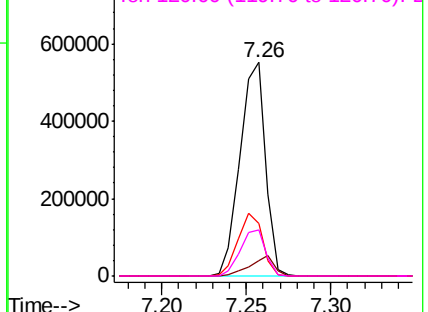
Abundance

Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

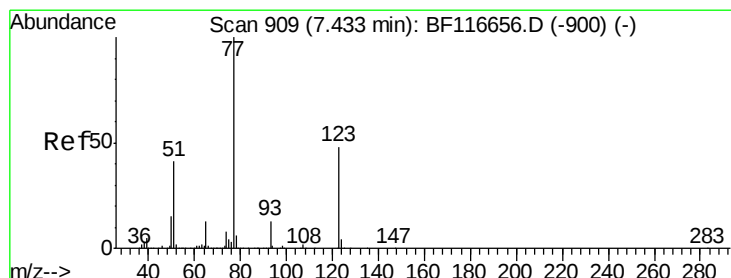
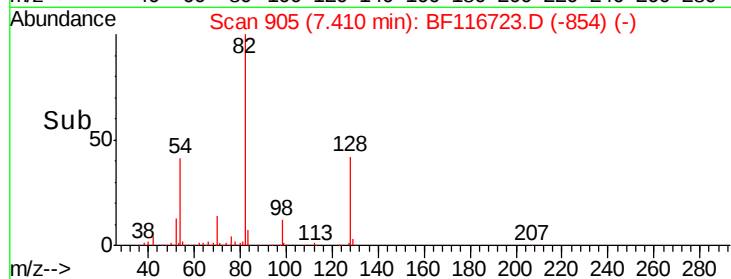
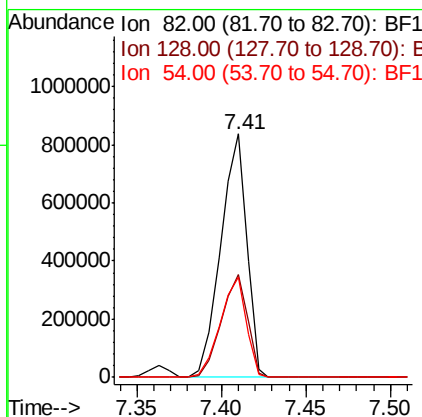
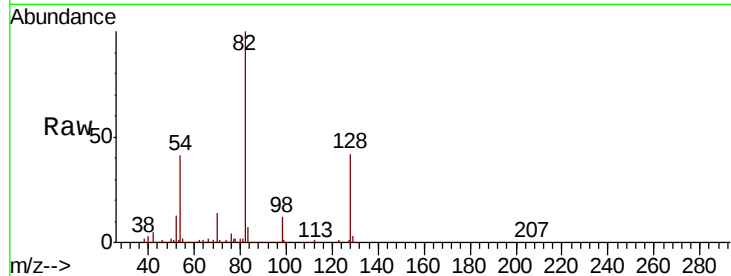




#23
 Nitrobenzene-d5
 Concen: 103.580 ng
 RT: 7.41 min Scan# 905
 Delta R.T. 0.00 min
 Lab File: BF116723.D
 Acq: 1 Sep 2019 4:07

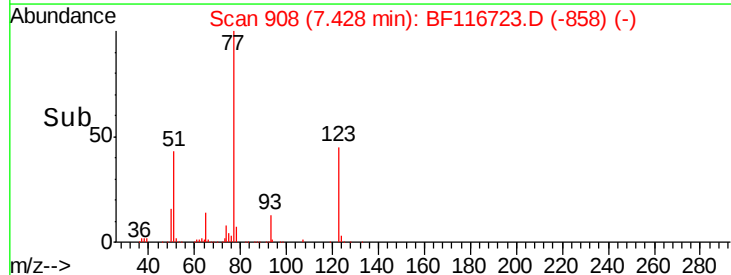
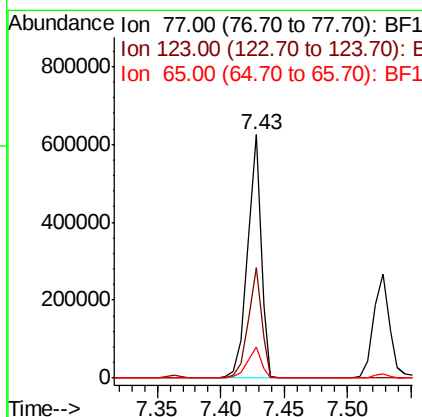
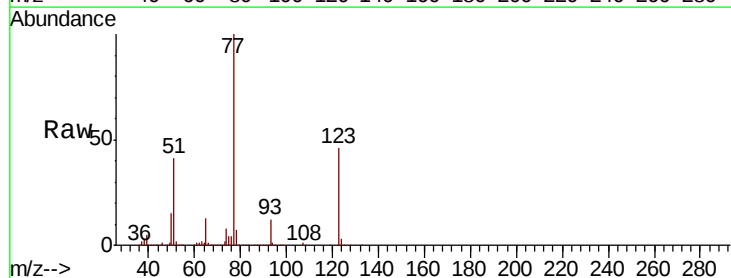
Instrument :
 BNA_F
 ClientSampleId :
 OK-02-082919MSD

Tot Ion	82	Resp	891577
Ion Ratio	Lower	Upper	
82	100		
128	42.5	32.8	49.2
54	41.3	36.9	55.3



#24
 Nitrobenzene
 Concen: 52.531 ng
 RT: 7.43 min Scan# 908
 Delta R.T. -0.01 min
 Lab File: BF116723.D
 Acq: 1 Sep 2019 4:07

Tgt Ion	77	Resp	459876
Ion Ratio	Lower	Upper	
77	100		
123	45.6	33.1	49.7
65	12.8	10.6	15.8





#25

Isophorone

Concen: 49.511 ng

RT: 7.67 min Scan# 949

Delta R.T. 0.00 min

Lab File: BF116723.D

Acq: 1 Sep 2019 4:07

Instrument :

BNA_F

ClientSampleId :

OK-02-082919MSD

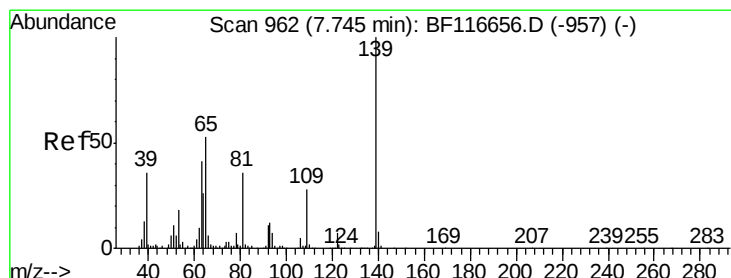
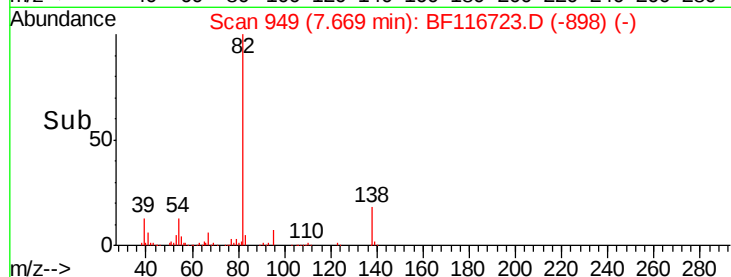
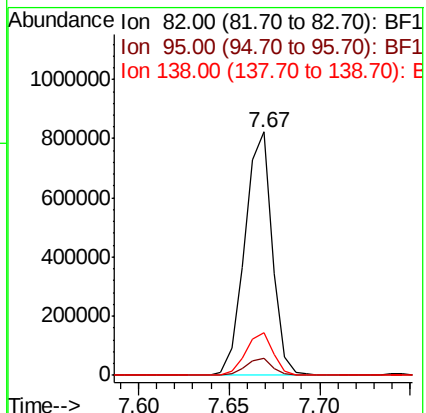
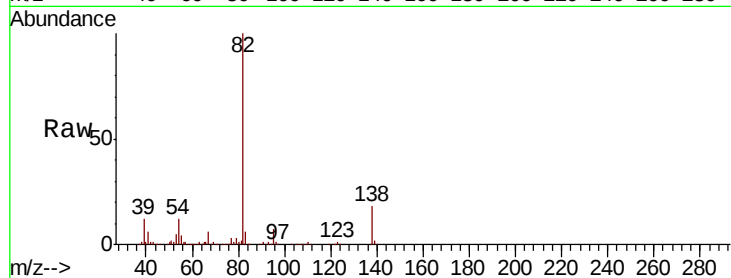
Tot Ion: 82 Resp: 863578

Ion Ratio Lower Upper

82 100

95 6.8 5.8 8.6

138 17.6 13.5 20.3



#26

2-Nitrophenol

Concen: 62.310 ng

RT: 7.75 min Scan# 962

Delta R.T. 0.00 min

Lab File: BF116723.D

Acq: 1 Sep 2019 4:07

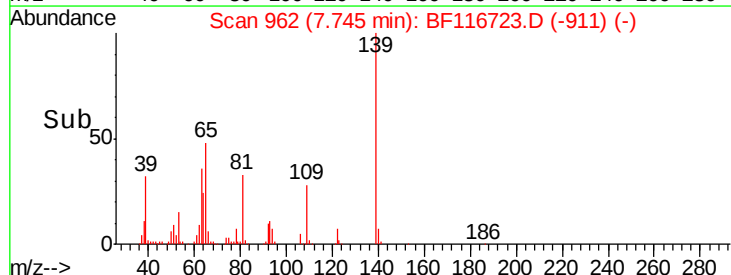
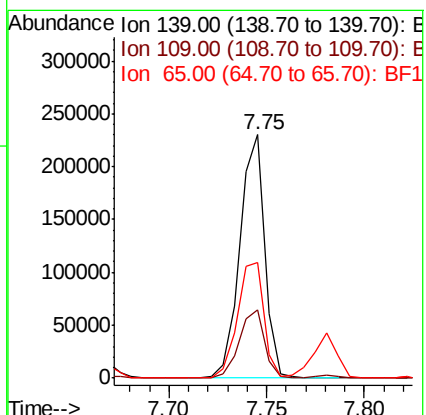
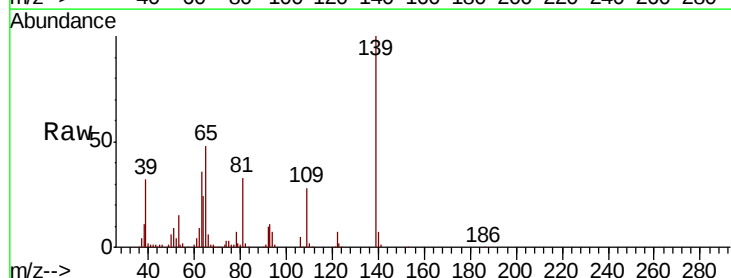
Tgt Ion: 139 Resp: 202800

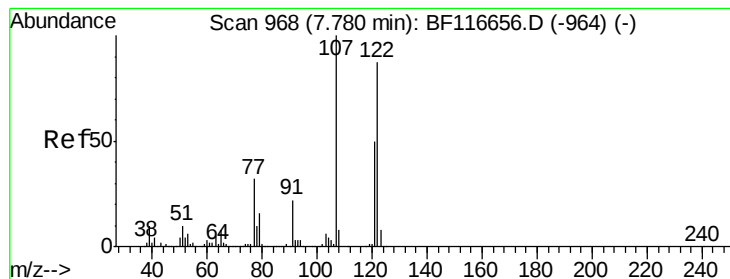
Ion Ratio Lower Upper

139 100

109 28.2 27.1 40.7

65 47.7 43.0 64.6





#27

2,4-Dimethylphenol

Concen: 57.124 ng

RT: 7.78 min Scan# 968

Delta R.T. 0.00 min

Lab File: BF116723.D

Acq: 1 Sep 2019 4:07

Instrument :

BNA_F

ClientSampleId :

OK-02-082919MSD

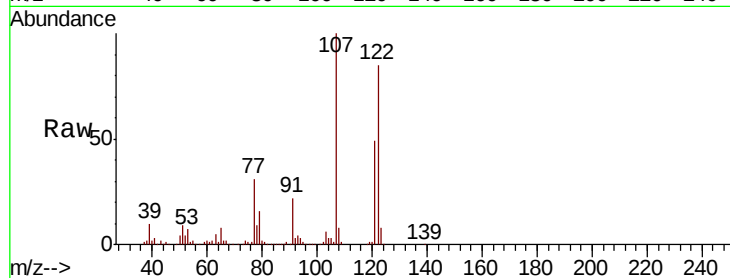
Tot Ion:122 Resp: 375489

Ion Ratio Lower Upper

122 100

107 117.9 98.1 147.1

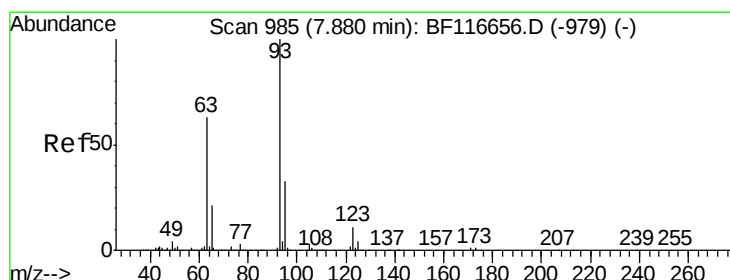
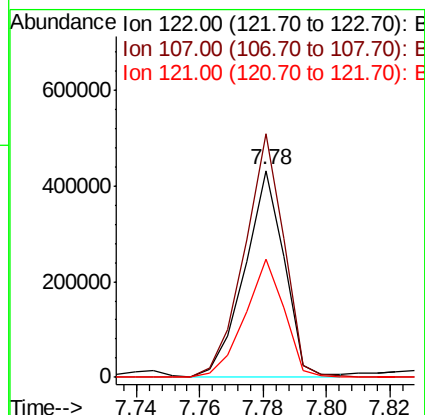
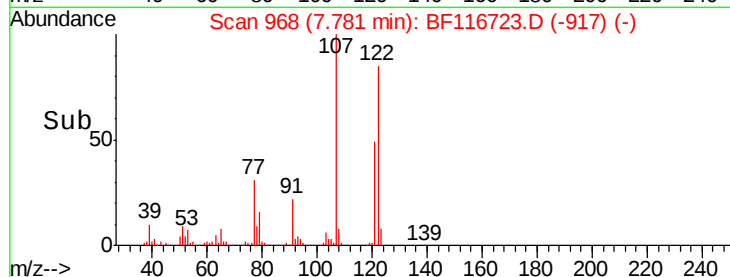
121 57.5 47.3 70.9



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: 49.268 ng

RT: 7.87 min Scan# 984

Delta R.T. -0.01 min

Lab File: BF116723.D

Acq: 1 Sep 2019 4:07

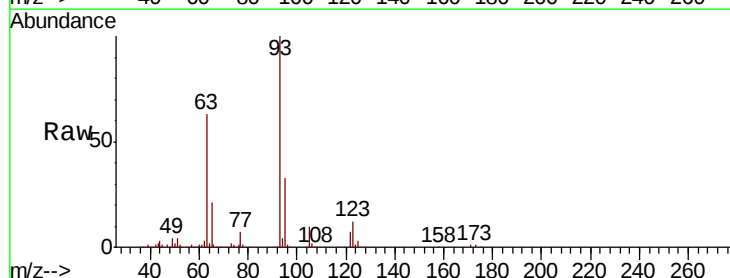
Tgt Ion: 93 Resp: 525140

Ion Ratio Lower Upper

93 100

95 33.1 26.4 39.6

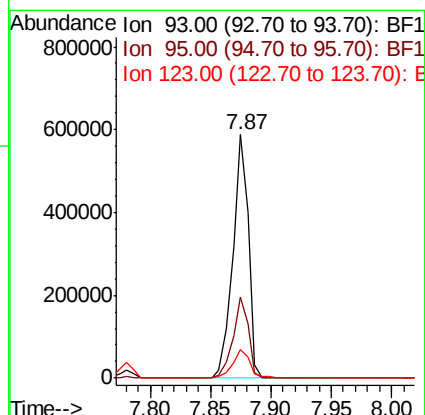
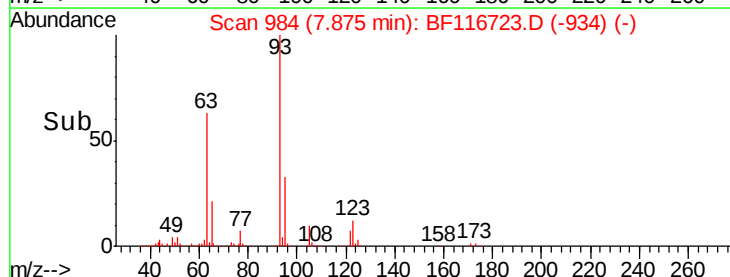
123 11.7 9.8 14.8

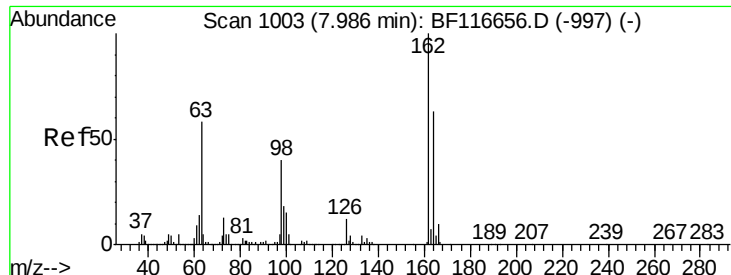


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E

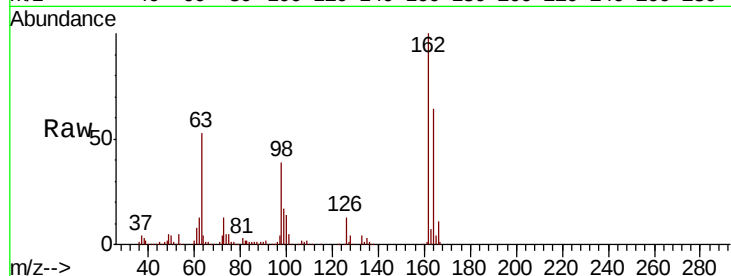




#29
 2,4-Dichlorophenol
 Concen: 53.777 ng
 RT: 7.99 min Scan# 1003
 Delta R.T. 0.00 min
 Lab File: BF116723.D
 Acq: 1 Sep 2019 4:07

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-082919MSD

Tot Ion	Ratio	Lower	Upper
162	100		
164	64.3	43.4	83.4
98	38.6	18.1	58.1

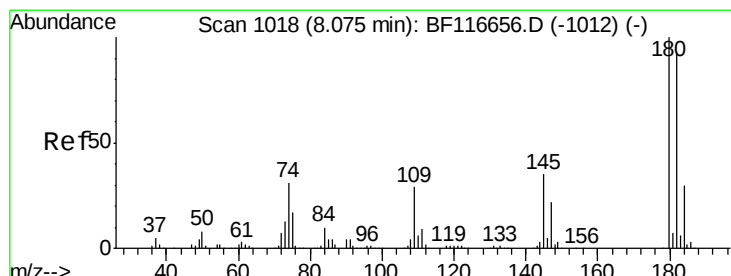
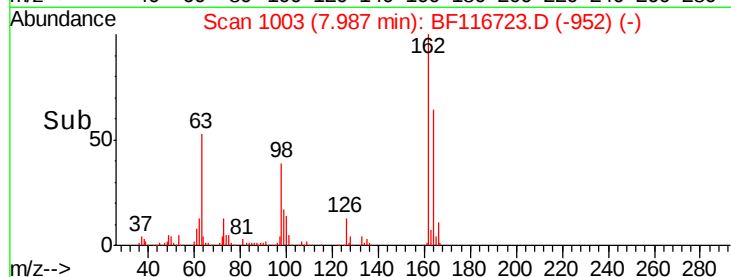
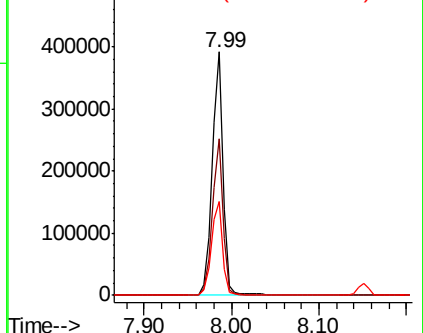


Abundance

Ion 162.00 (161.70 to 162.70): E

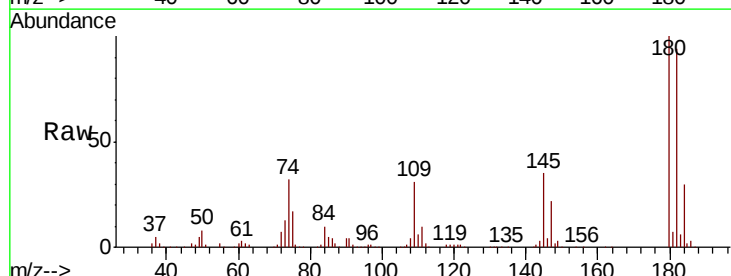
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30
 1,2,4-Trichlorobenzene
 Concen: 48.050 ng
 RT: 8.07 min Scan# 1017
 Delta R.T. -0.01 min
 Lab File: BF116723.D
 Acq: 1 Sep 2019 4:07

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	78.6	118.0
145	34.7	25.7	38.5

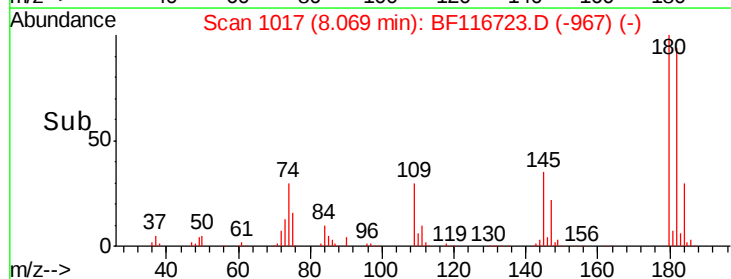
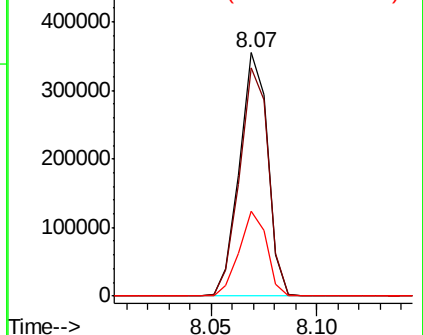


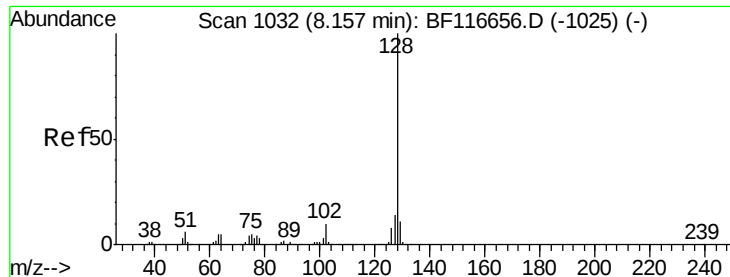
Abundance

Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

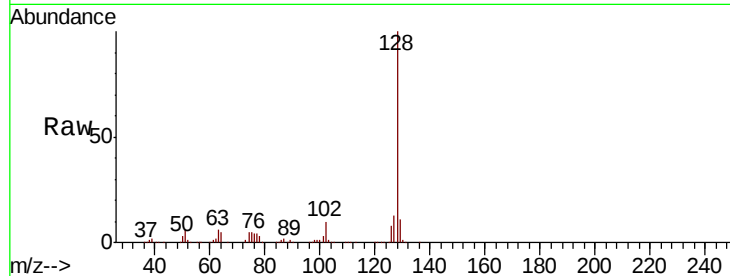




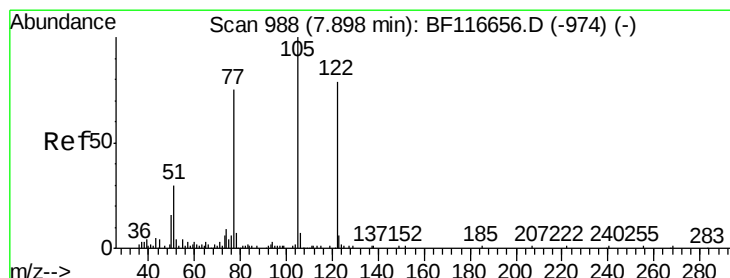
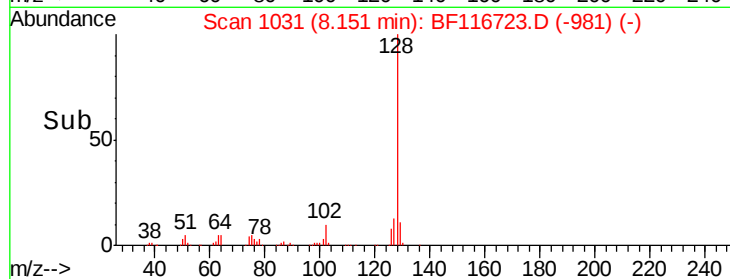
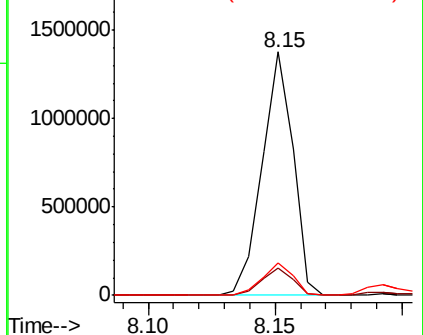
#31
Naphthalene
Concen: 50.541 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF116723.D
Acq: 1 Sep 2019 4:07

Instrument :
BNA_F
ClientSampleId :
OK-02-082919MSD

Tot Ion:128 Resp: 1180943
Ion Ratio Lower Upper
128 100
129 11.3 8.6 13.0
127 13.4 10.4 15.6

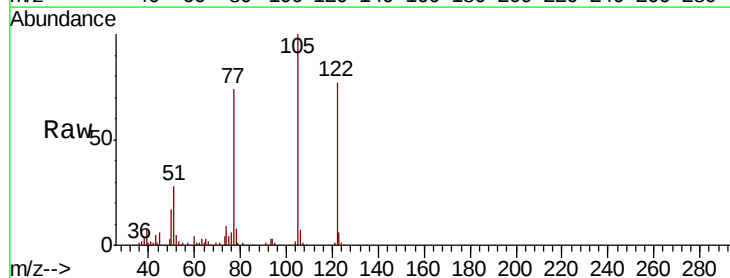


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

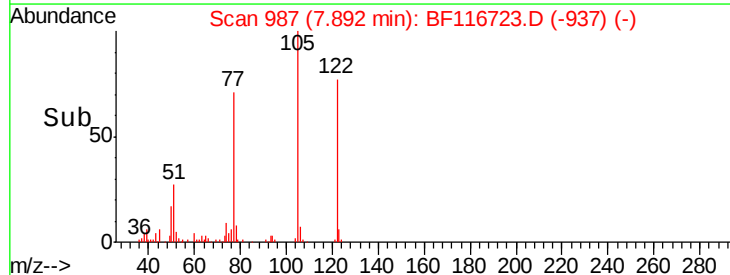
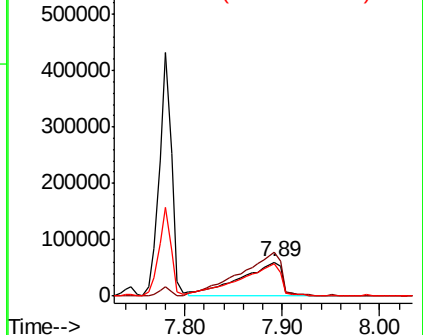


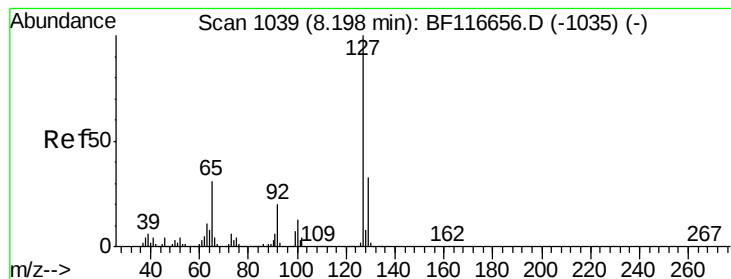
#32
Benzoic acid
Concen: 48.960 ng
RT: 7.89 min Scan# 987
Delta R.T. -0.01 min
Lab File: BF116723.D
Acq: 1 Sep 2019 4:07

Tgt Ion:122 Resp: 181715
Ion Ratio Lower Upper
122 100
105 129.9 110.0 150.0
77 96.6 81.7 121.7



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

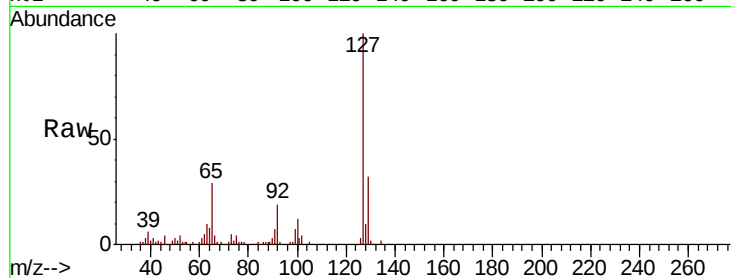




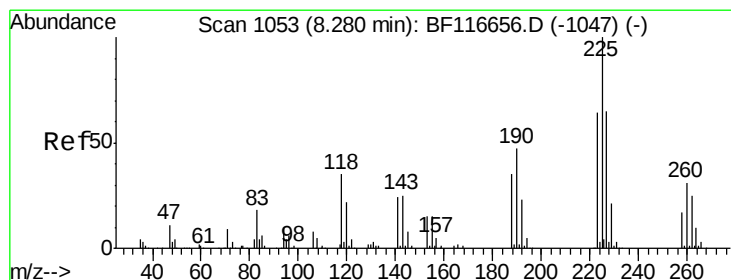
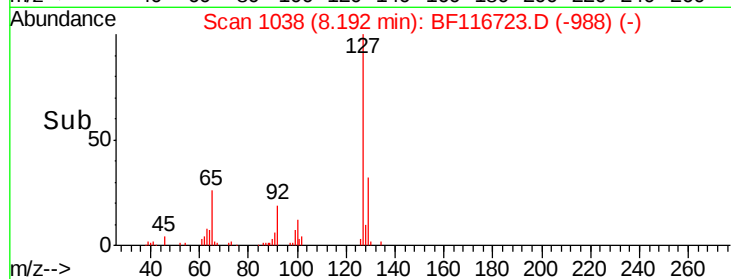
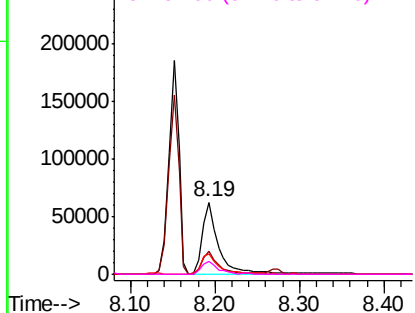
#33
 4-Chloroaniline
 Concen: 7.723 ng
 RT: 8.19 min Scan# 1038
 Delta R.T. -0.01 min
 Lab File: BF116723.D
 Acq: 1 Sep 2019 4:07

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-082919MSD

Tot Ion:	127	Resp:	82146
Ion	Ratio	Lower	Upper
127	100		
129	32.2	26.2	39.2
65	29.0	26.0	39.0
92	18.7	16.1	24.1

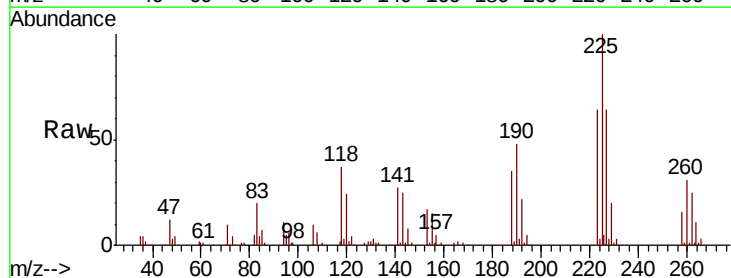


Abundance Ion 127.00 (126.70 to 127.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 65.00 (64.70 to 65.70): BF1
 Ion 92.00 (91.70 to 92.70): BF1

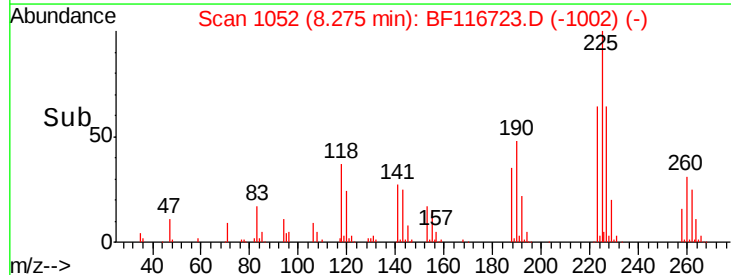
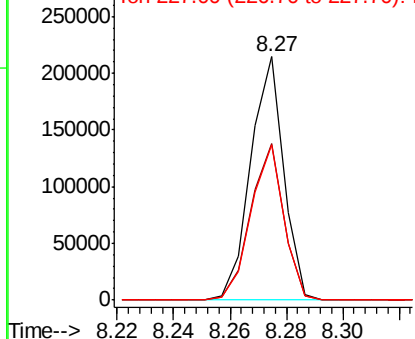


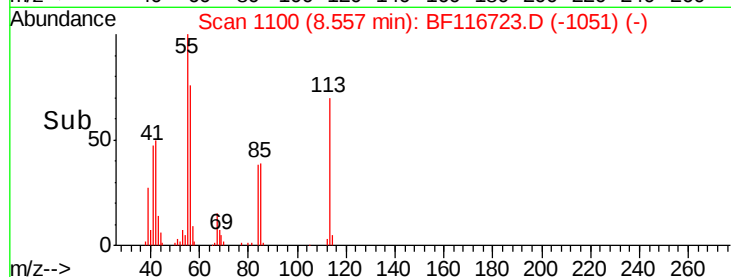
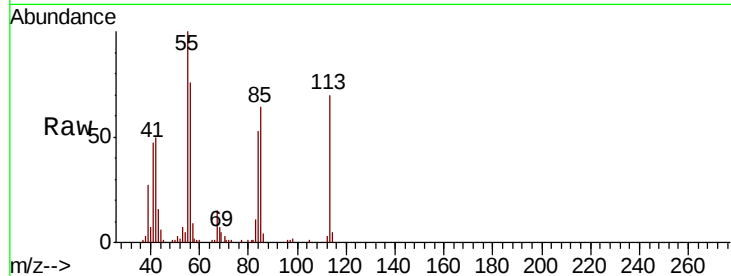
#34
 Hexachlorobutadiene
 Concen: 46.691 ng
 RT: 8.27 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: BF116723.D
 Acq: 1 Sep 2019 4:07

Tgt Ion:	225	Resp:	174431
Ion	Ratio	Lower	Upper
225	100		
223	64.1	49.4	74.2
227	63.7	51.0	76.4



Abundance Ion 225.00 (224.70 to 225.70): E
 Ion 223.00 (222.70 to 223.70): E
 Ion 227.00 (226.70 to 227.70): E

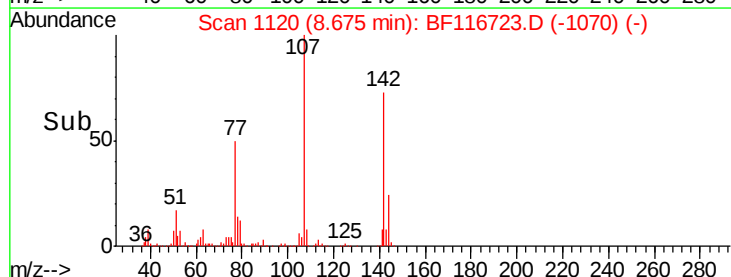
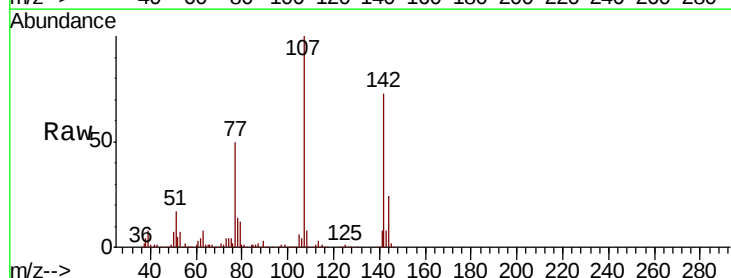
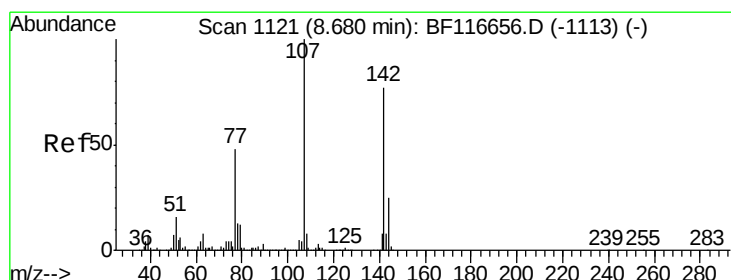
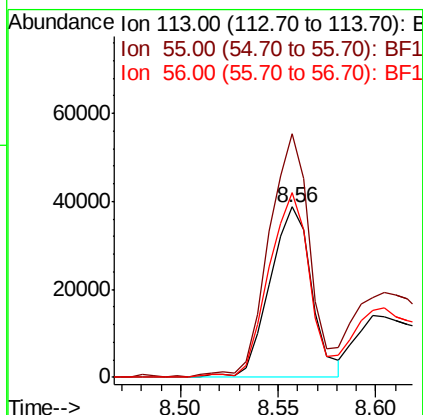




#35
Caprolactam
Concen: 24.235 ng
RT: 8.56 min Scan# 1100
Delta R.T. -0.01 min
Lab File: BF116723.D
Acq: 1 Sep 2019 4:07

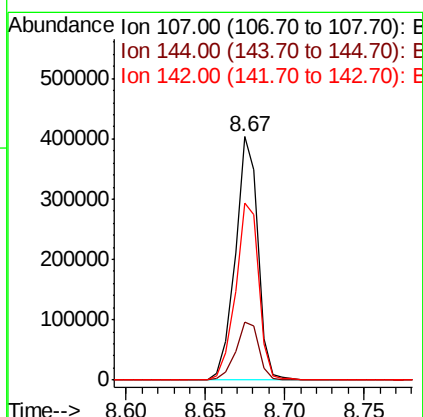
Instrument :
BNA_F
ClientSampleId :
OK-02-082919MSD

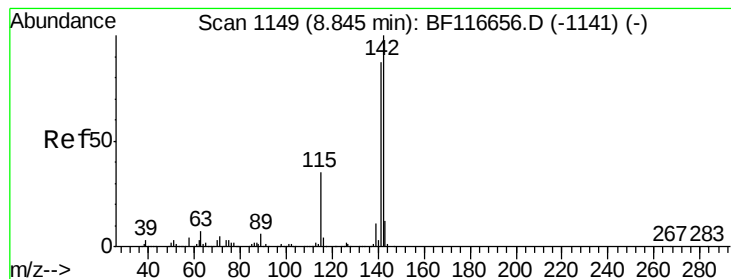
Tot Ion:113 Resp: 57293
Ion Ratio Lower Upper
113 100
55 142.8 124.3 164.3
56 108.2 94.6 134.6



#36
4-Chloro-3-methylphenol
Concen: 54.968 ng
RT: 8.67 min Scan# 1120
Delta R.T. -0.01 min
Lab File: BF116723.D
Acq: 1 Sep 2019 4:07

Tgt Ion:107 Resp: 399088
Ion Ratio Lower Upper
107 100
144 23.6 18.6 27.8
142 72.7 58.5 87.7





#37

2-Methylnaphthalene

Concen: 52.566 ng

RT: 8.84 min Scan# 1148

Delta R.T. -0.01 min

Lab File: BF116723.D

Acq: 1 Sep 2019 4:07

Instrument :

BNA_F

ClientSampleId :

OK-02-082919MSD

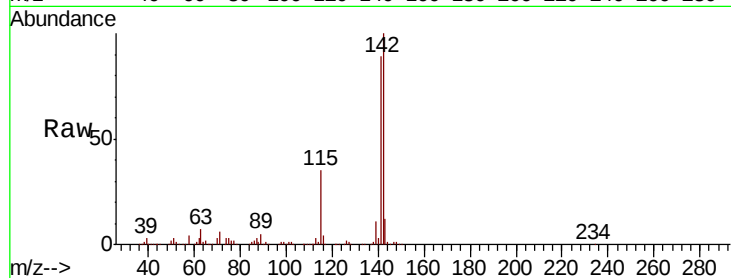
Tot Ion:142 Resp: 817225

Ion Ratio Lower Upper

142 100

141 89.4 72.6 109.0

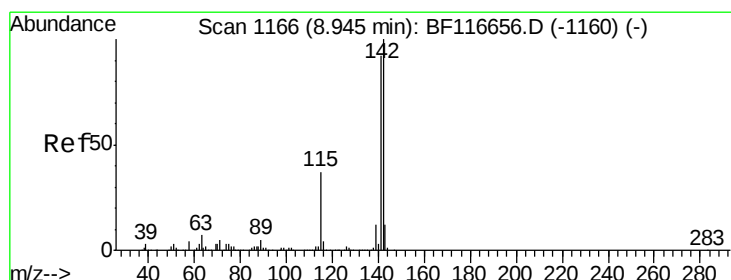
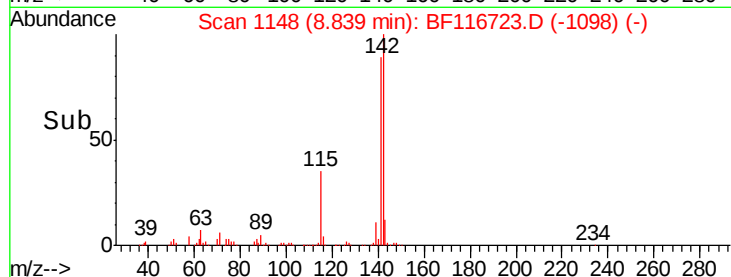
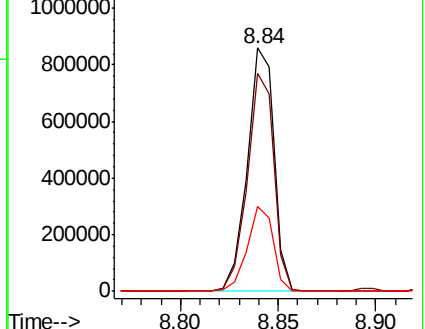
115 35.0 29.8 44.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 52.064 ng

RT: 8.94 min Scan# 1165

Delta R.T. -0.01 min

Lab File: BF116723.D

Acq: 1 Sep 2019 4:07

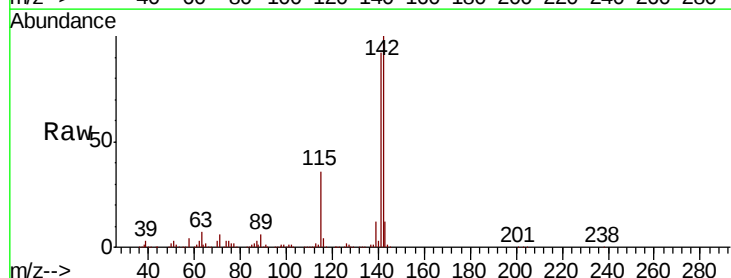
Tgt Ion:142 Resp: 764094

Ion Ratio Lower Upper

142 100

141 92.5 73.9 110.9

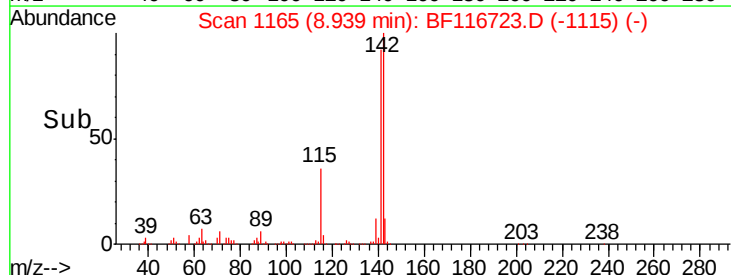
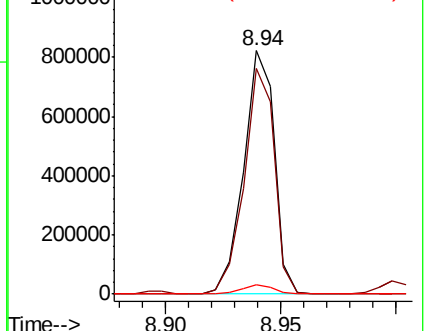
116 3.9 3.0 4.6



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

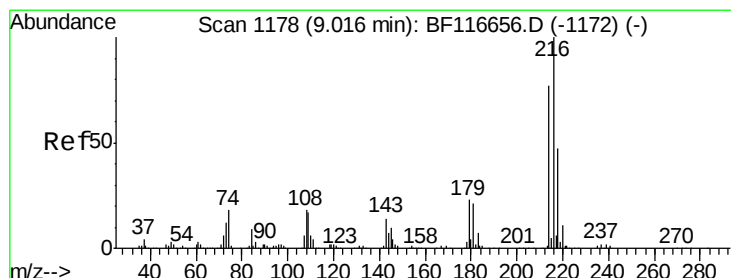
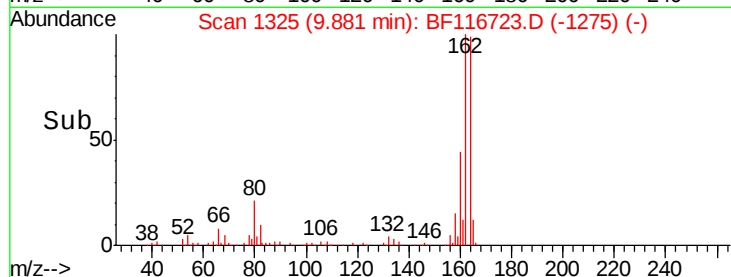
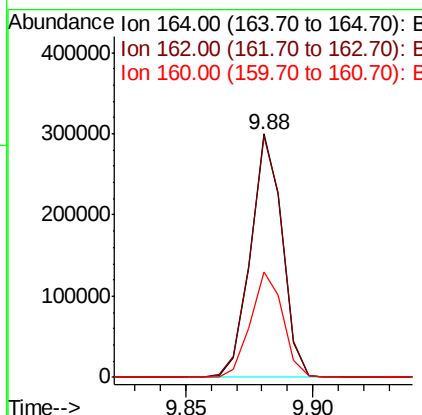
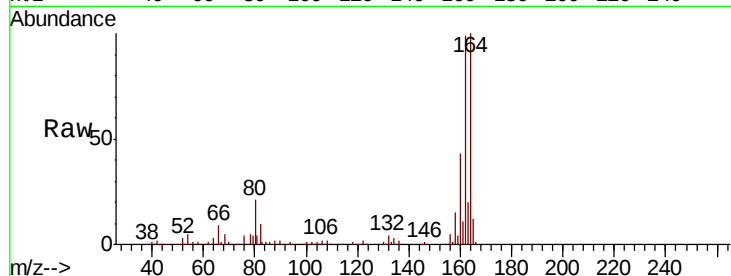




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF116723.D
Acq: 1 Sep 2019 4:07

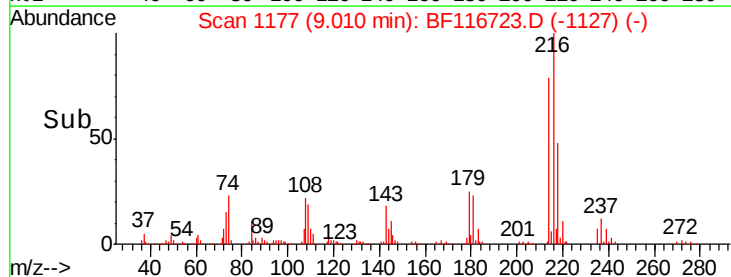
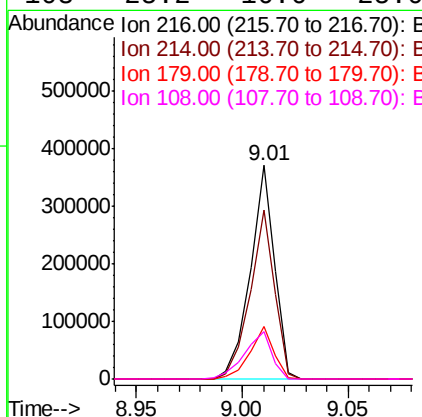
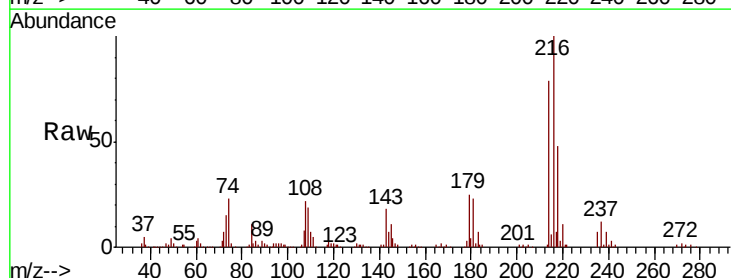
Instrument :
BNA_F
ClientSampleId :
OK-02-082919MSD

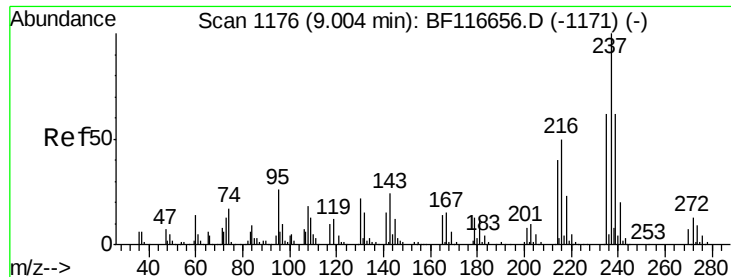
Tot Ion:164 Resp: 258054
Ion Ratio Lower Upper
164 100
162 98.9 81.4 122.0
160 43.2 35.4 53.2



#40
1,2,4,5-Tetrachlorobenzene
Concen: 48.235 ng
RT: 9.01 min Scan# 1177
Delta R.T. -0.00 min
Lab File: BF116723.D
Acq: 1 Sep 2019 4:07

Tgt Ion:216 Resp: 298386
Ion Ratio Lower Upper
216 100
214 79.5 62.7 94.1
179 23.8 19.3 28.9
108 25.2 16.6 25.0#





#41

Hexachlorocyclopentadiene

Concen: 71.116 ng

RT: 9.00 min Scan# 1175

Delta R.T. -0.01 min

Lab File: BF116723.D

Acq: 1 Sep 2019 4:07

Instrument :

BNA_F

ClientSampleId :

OK-02-082919MSD

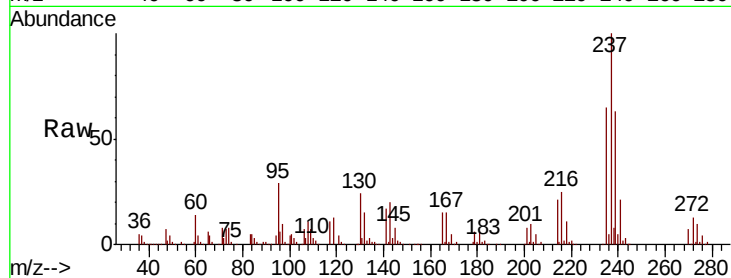
Tot Ion:237 Resp: 254043

Ion Ratio Lower Upper

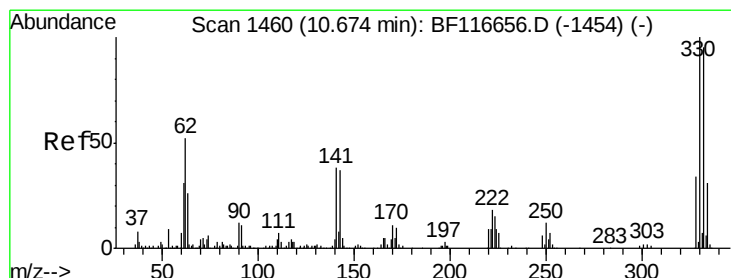
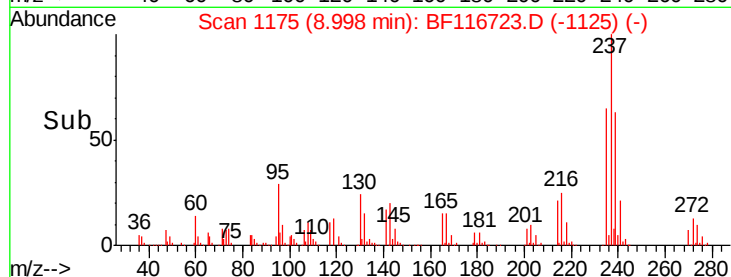
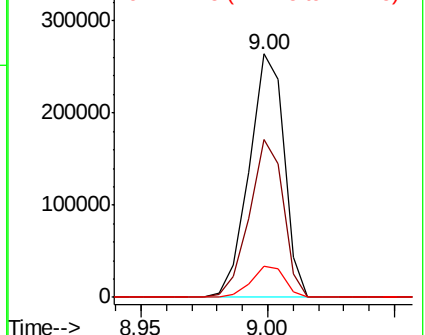
237 100

235 65.1 41.4 81.4

272 12.5 0.0 32.8



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: 161.364 ng

RT: 10.67 min Scan# 1460

Delta R.T. 0.00 min

Lab File: BF116723.D

Acq: 1 Sep 2019 4:07

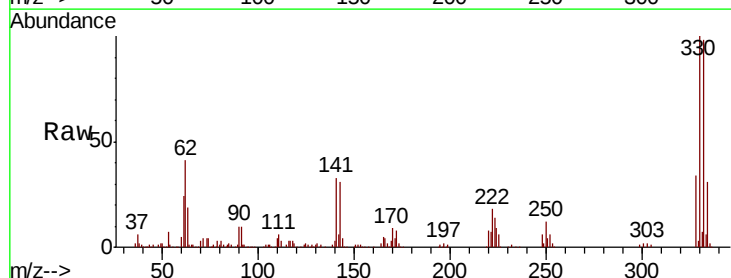
Tgt Ion:330 Resp: 278377

Ion Ratio Lower Upper

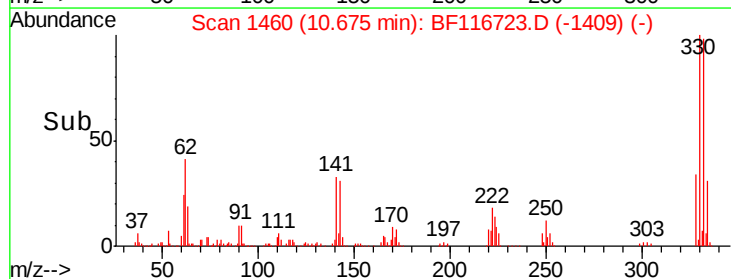
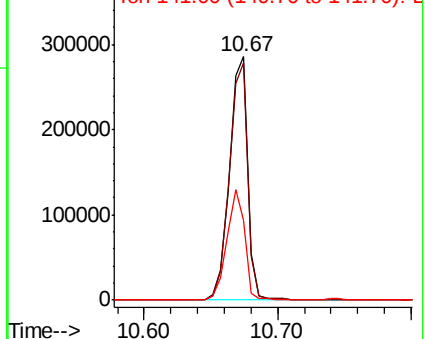
330 100

332 97.7 76.9 115.3

141 44.3 31.4 47.2



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

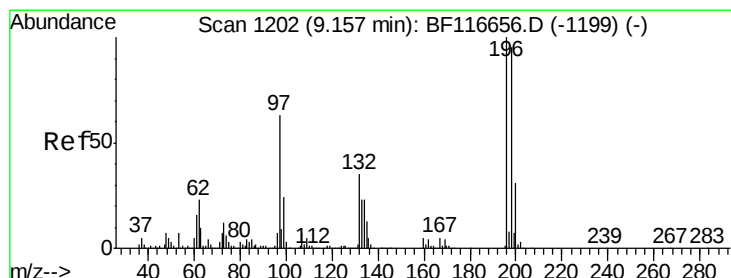
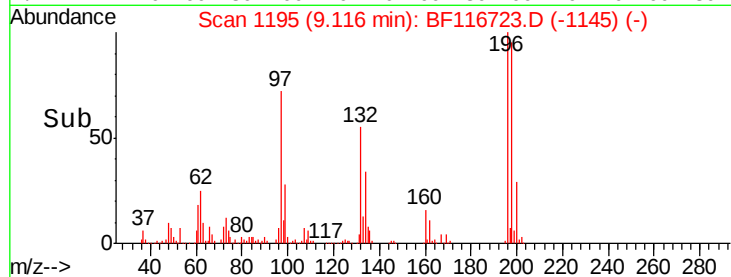
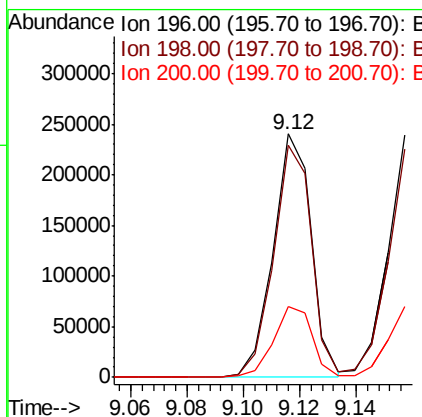
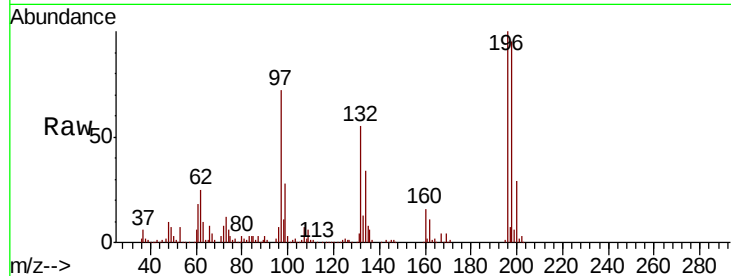




#43
 2,4,6-Trichlorophenol
 Concen: 52.906 ng
 RT: 9.12 min Scan# 1195
 Delta R.T. -0.01 min
 Lab File: BF116723.D
 Acq: 1 Sep 2019 4:07

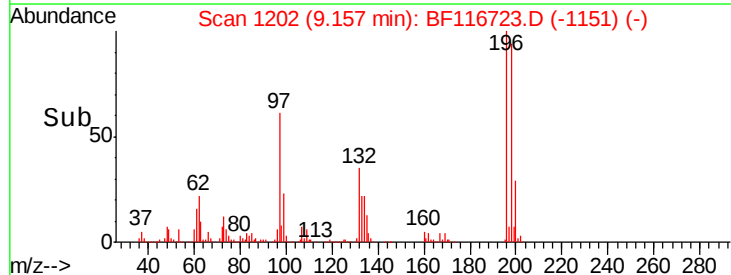
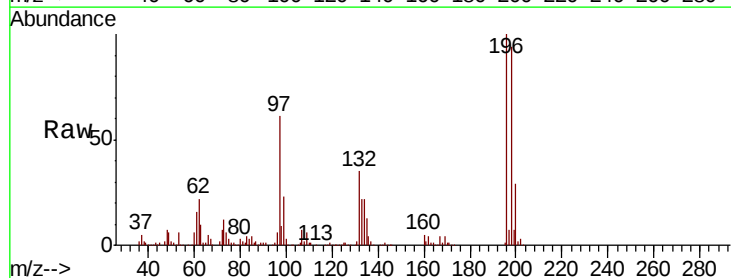
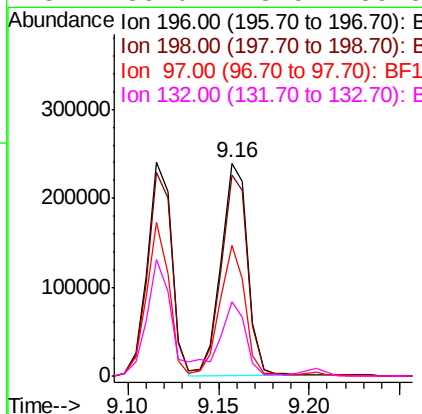
Instrument :
 BNA_F
 ClientSampleId :
 OK-02-082919MSD

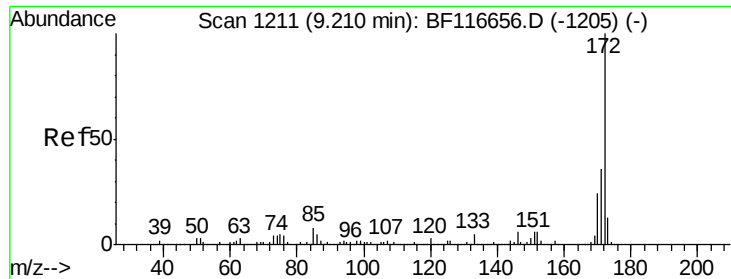
Tot Ion	Ratio	Lower	Upper
196	100		
198	95.4	79.1	118.7
200	29.3	24.0	36.0



#44
 2,4,5-Trichlorophenol
 Concen: 55.630 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: BF116723.D
 Acq: 1 Sep 2019 4:07

Tgt Ion	Ratio	Lower	Upper
196	100		
198	94.1	78.1	117.1
97	61.3	41.6	62.4
132	35.0	23.5	35.3

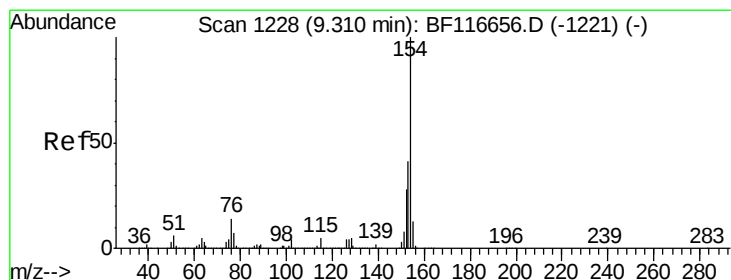
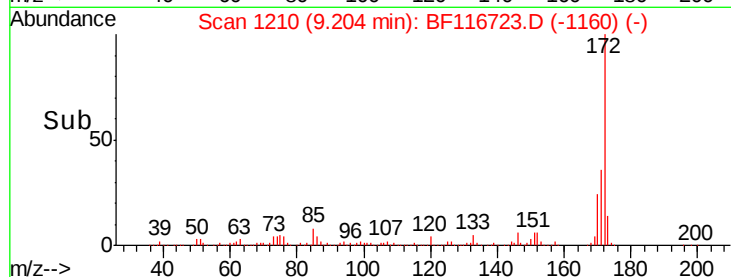
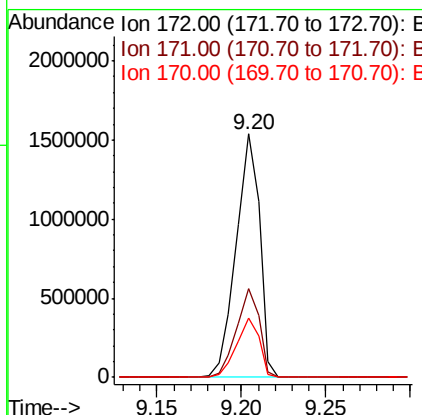
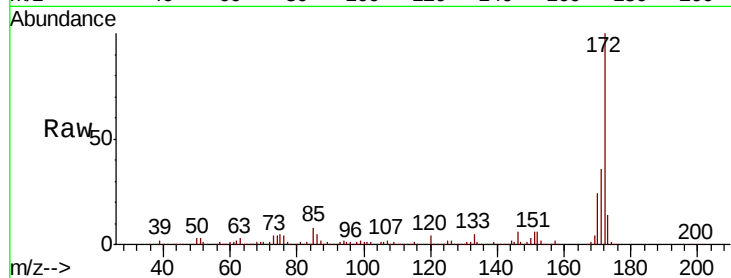




#45
 2-Fluorobiphenyl
 Concen: 97.144 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.00 min
 Lab File: BF116723.D
 Acq: 1 Sep 2019 4:07

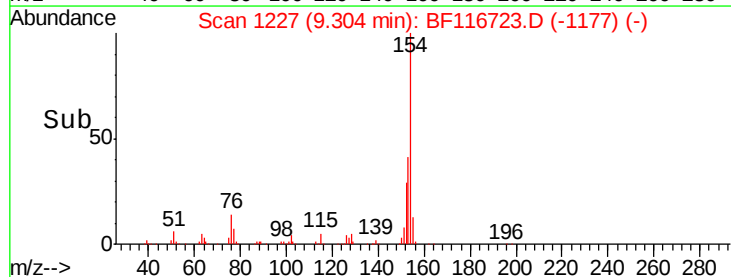
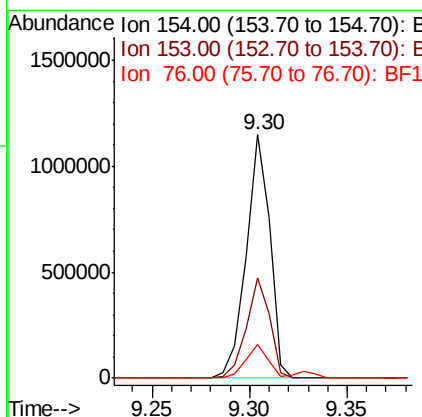
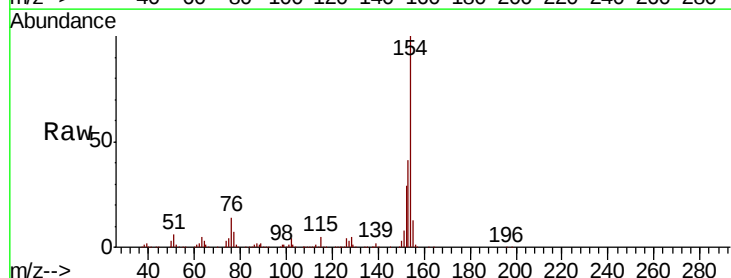
Instrument :
 BNA_F
 ClientSampleId :
 OK-02-082919MSD

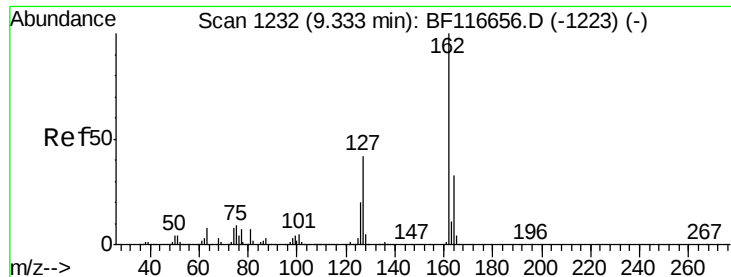
Tot Ion:172 Resp: 1486070
 Ion Ratio Lower Upper
 172 100
 171 36.3 27.8 41.6
 170 24.3 18.9 28.3



#46
 1,1'-Biphenyl
 Concen: 48.926 ng
 RT: 9.30 min Scan# 1227
 Delta R.T. -0.01 min
 Lab File: BF116723.D
 Acq: 1 Sep 2019 4:07

Tgt Ion:154 Resp: 958042
 Ion Ratio Lower Upper
 154 100
 153 41.0 21.2 61.2
 76 13.7 0.0 30.9

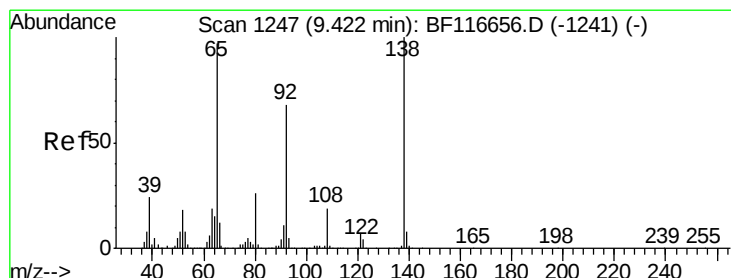
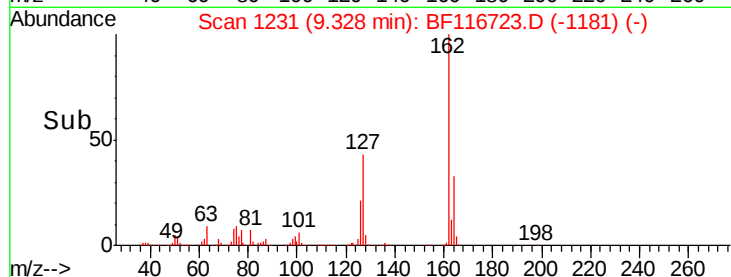
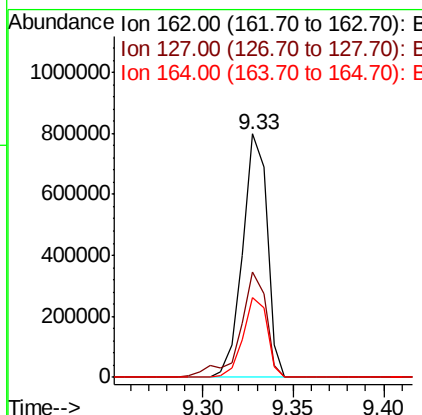
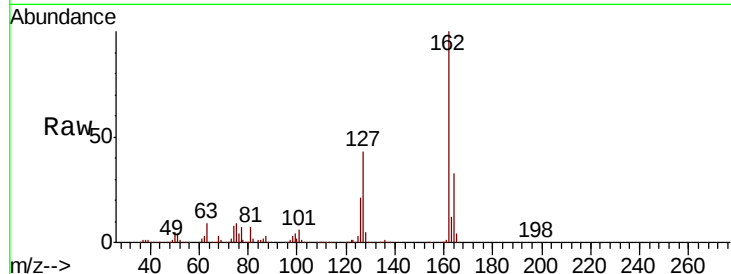




#47
2-Chloronaphthalene
Concen: 48.363 ng
RT: 9.33 min Scan# 1231
Delta R.T. -0.01 min
Lab File: BF116723.D
Acq: 1 Sep 2019 4:07

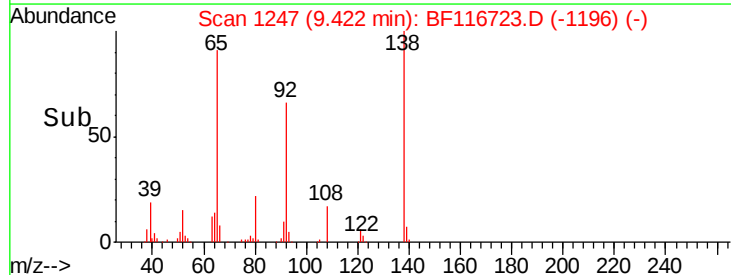
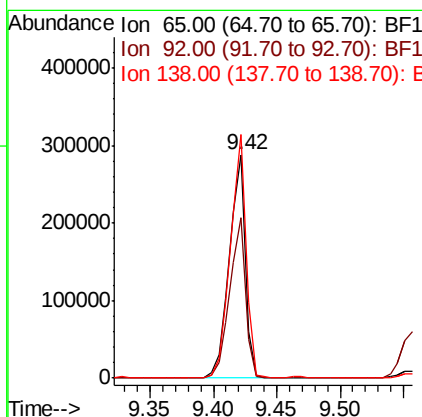
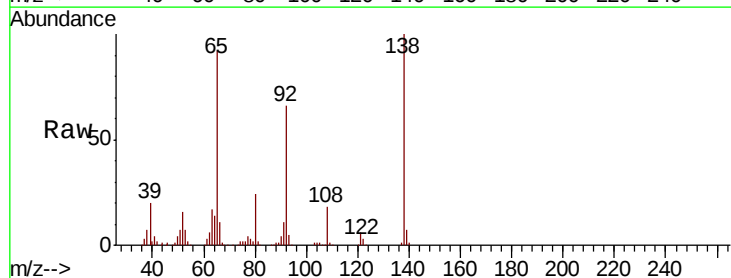
Instrument :
BNA_F
ClientSampleId :
OK-02-082919MSD

Tot Ion	Ratio	Lower	Upper
162	100		
127	43.5	33.4	50.2
164	33.0	26.6	39.8



#48
2-Nitroaniline
Concen: 56.010 ng
RT: 9.42 min Scan# 1247
Delta R.T. 0.00 min
Lab File: BF116723.D
Acq: 1 Sep 2019 4:07

Tgt Ion	Ratio	Lower	Upper
65	100		
92	71.5	57.1	85.7
138	108.8	88.2	132.2





#49

Acenaphthylene

Concen: 52.034 ng

RT: 9.75 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BF116723.D

Acq: 1 Sep 2019 4:07

Instrument :

BNA_F

ClientSampleId :

OK-02-082919MSD

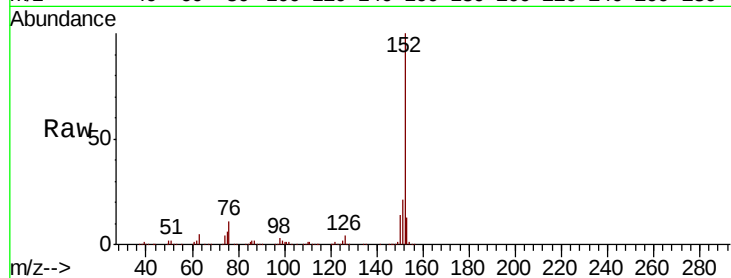
Tot Ion:152 Resp: 1219907

Ion Ratio Lower Upper

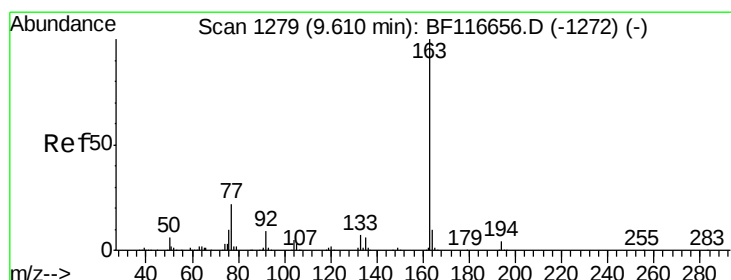
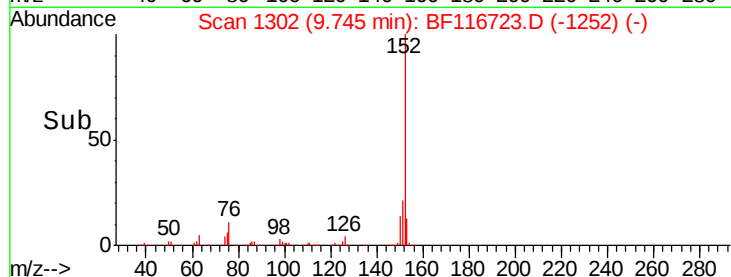
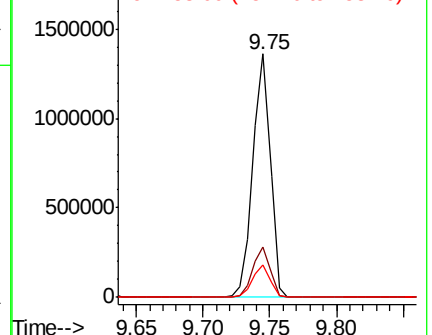
152 100

151 20.5 15.9 23.9

153 13.3 10.9 16.3



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: 53.015 ng

RT: 9.60 min Scan# 1278

Delta R.T. -0.01 min

Lab File: BF116723.D

Acq: 1 Sep 2019 4:07

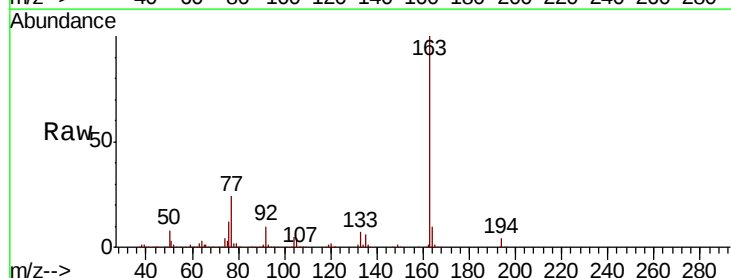
Tgt Ion:163 Resp: 944505

Ion Ratio Lower Upper

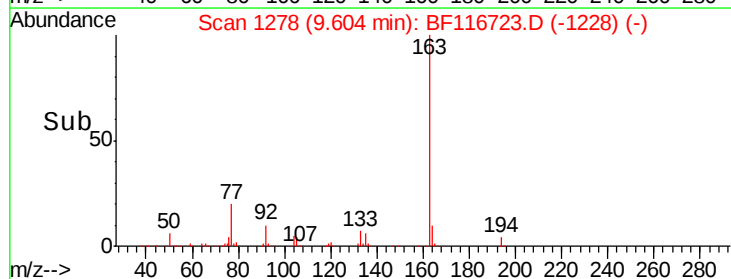
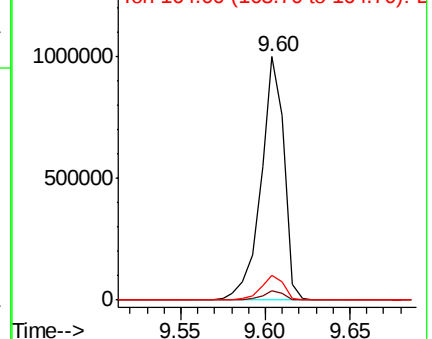
163 100

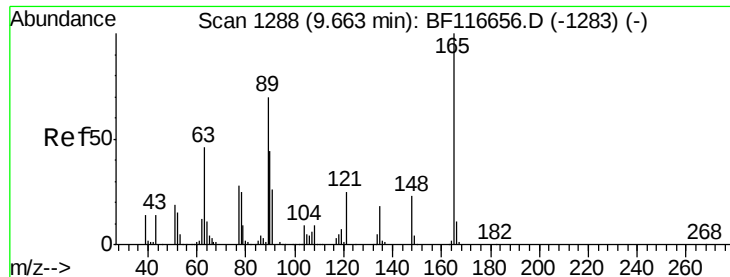
194 3.6 2.8 4.2

164 10.1 8.6 12.8



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: 61.477 ng

RT: 9.66 min Scan# 1288

Delta R.T. 0.00 min

Lab File: BF116723.D

Acq: 1 Sep 2019 4:07

Instrument :

BNA_F

ClientSampleId :

OK-02-082919MSD

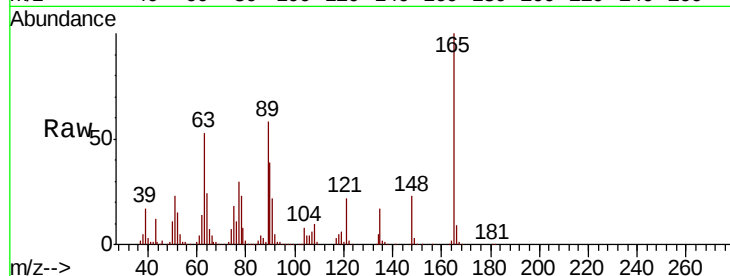
Tot Ion:165 Resp: 208971

Ion Ratio Lower Upper

165 100

63 53.5 47.3 70.9

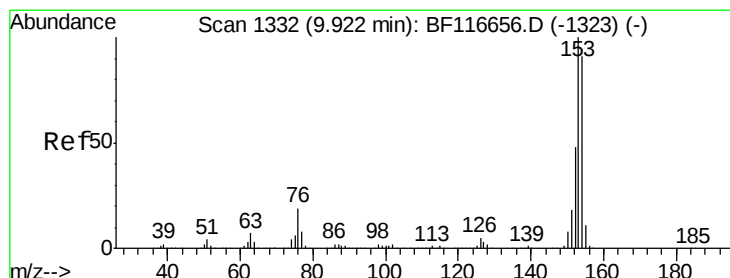
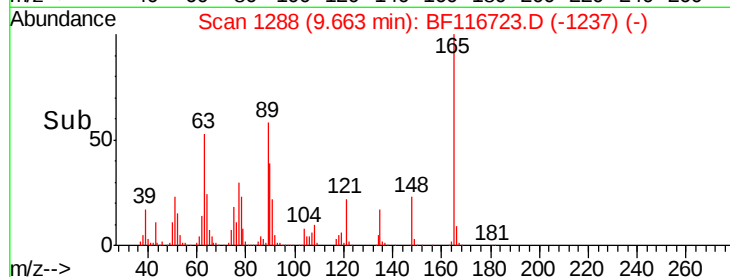
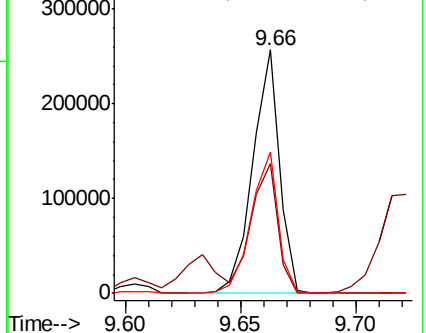
89 57.8 52.5 78.7



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: 53.421 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF116723.D

Acq: 1 Sep 2019 4:07

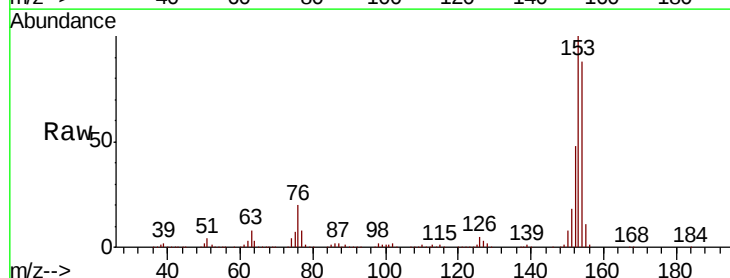
Tgt Ion:154 Resp: 769521

Ion Ratio Lower Upper

154 100

153 113.1 89.5 134.3

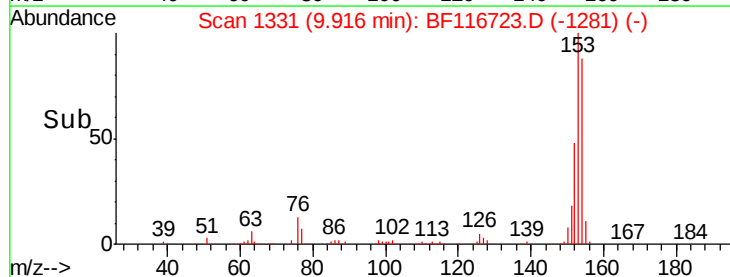
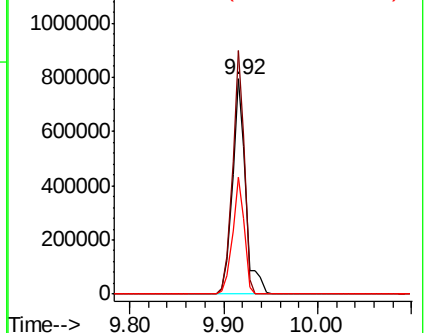
152 54.4 41.9 62.9

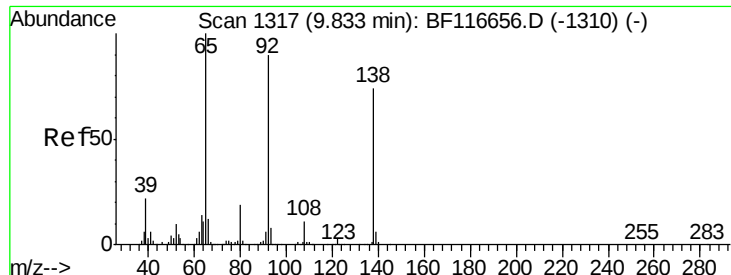


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

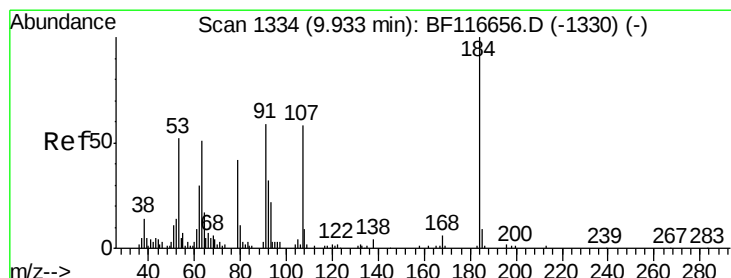
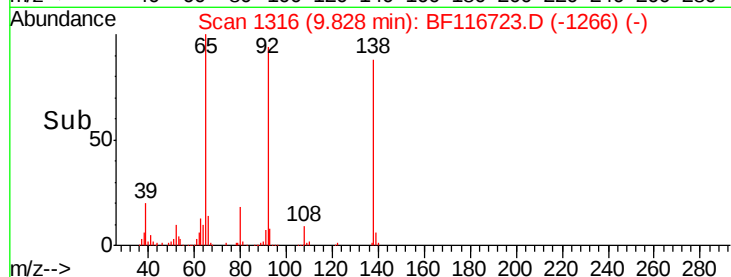
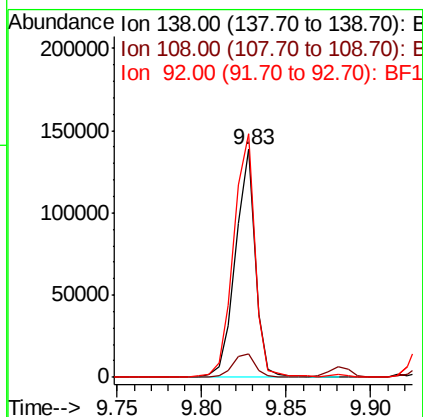
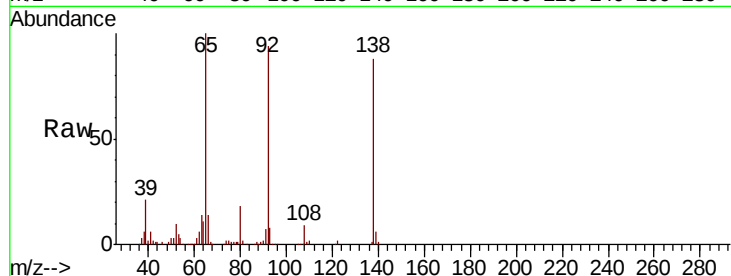




#53
3-Nitroaniline
Concen: 26.567 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF116723.D
Acq: 1 Sep 2019 4:07

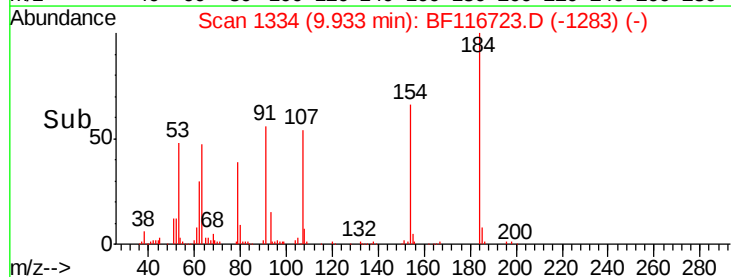
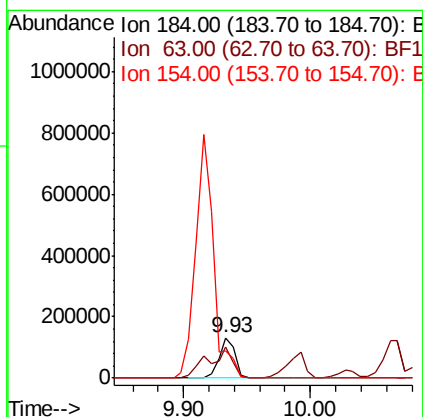
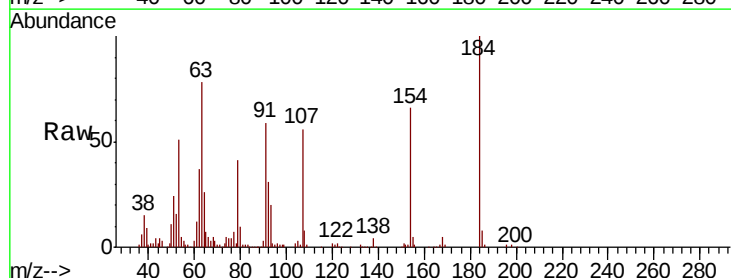
Instrument :
BNA_F
ClientSampleId :
OK-02-082919MSD

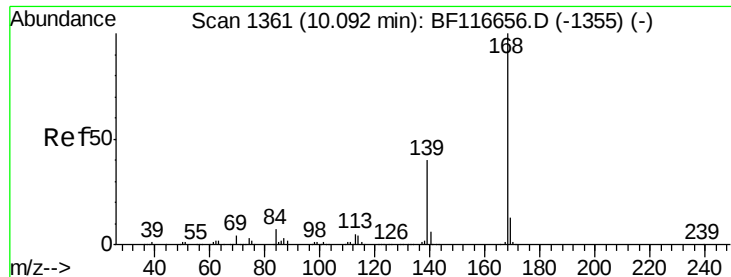
Tot Ion:138 Resp: 113172
Ion Ratio Lower Upper
138 100
108 10.1 8.5 12.7
92 106.8 87.2 130.8



#54
2,4-Dinitrophenol
Concen: 96.091 ng
RT: 9.93 min Scan# 1334
Delta R.T. 0.00 min
Lab File: BF116723.D
Acq: 1 Sep 2019 4:07

Tgt Ion:184 Resp: 118370
Ion Ratio Lower Upper
184 100
63 78.2 52.2 78.2
154 66.5 60.8 91.2

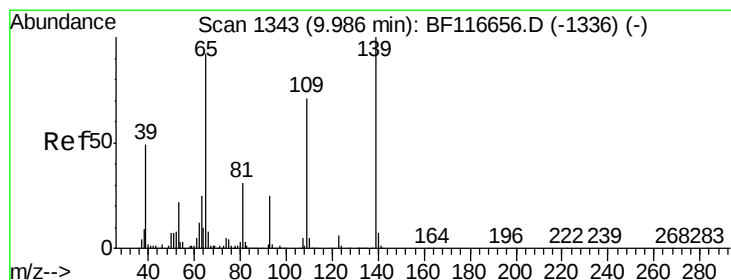
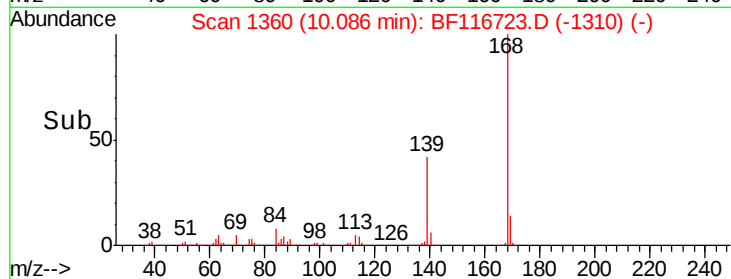
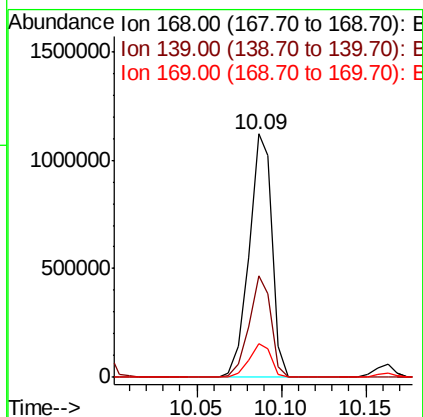
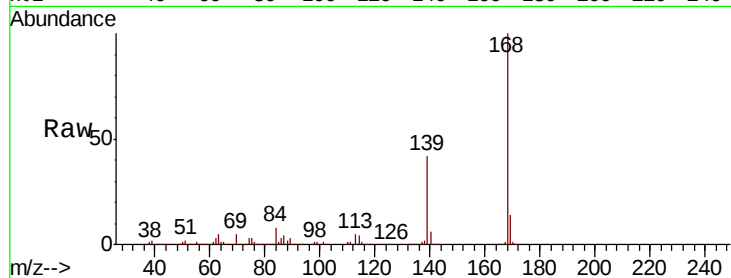




#55
Dibenzofuran
Concen: 52.349 ng
RT: 10.09 min Scan# 1360
Delta R.T. -0.01 min
Lab File: BF116723.D
Acq: 1 Sep 2019 4:07

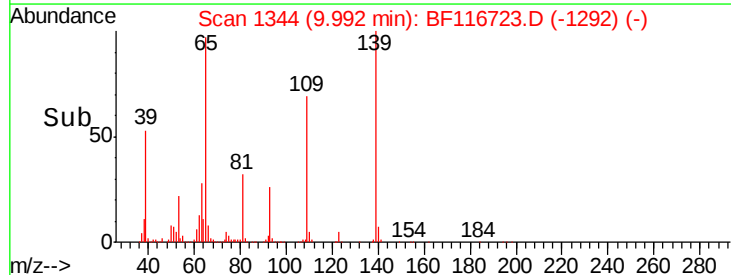
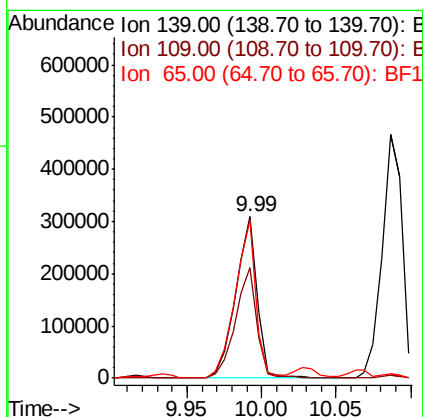
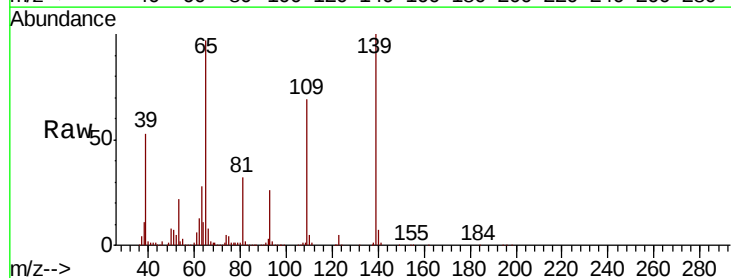
Instrument :
BNA_F
ClientSampleId :
OK-02-082919MSD

Tot Ion:168 Resp: 1063048
Ion Ratio Lower Upper
168 100
139 41.6 31.5 47.3
169 13.7 10.3 15.5



#56
4-Nitrophenol
Concen: 107.291 ng
RT: 9.99 min Scan# 1344
Delta R.T. 0.01 min
Lab File: BF116723.D
Acq: 1 Sep 2019 4:07

Tgt Ion:139 Resp: 313383
Ion Ratio Lower Upper
139 100
109 68.7 61.7 101.7
65 97.4 89.1 129.1





#57

2,4-Dinitrotoluene

Concen: 67.432 ng

RT: 10.07 min Scan# 1357

Delta R.T. 0.00 min

Lab File: BF116723.D

Acq: 1 Sep 2019 4:07

Instrument :

BNA_F

ClientSampleId :

OK-02-082919MSD

Tot Ion:165 Resp: 280269

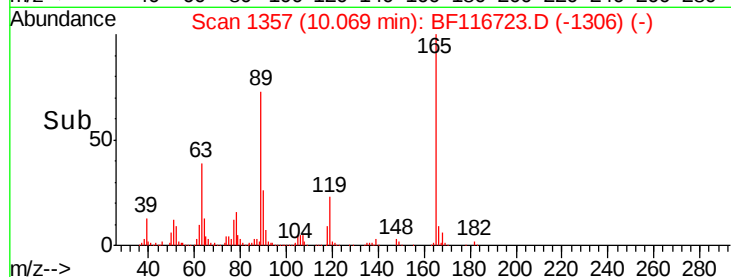
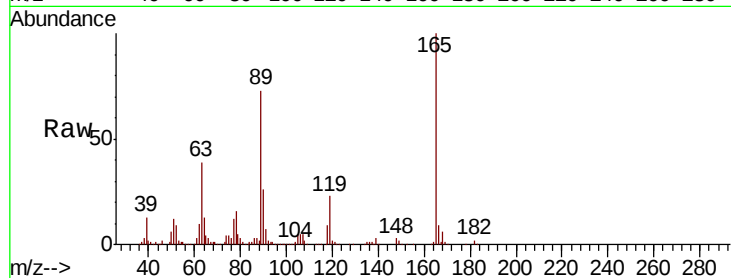
Ion Ratio Lower Upper

165 100

63 38.5 36.4 54.6

89 72.8 62.6 94.0

182 2.3 2.1 3.1

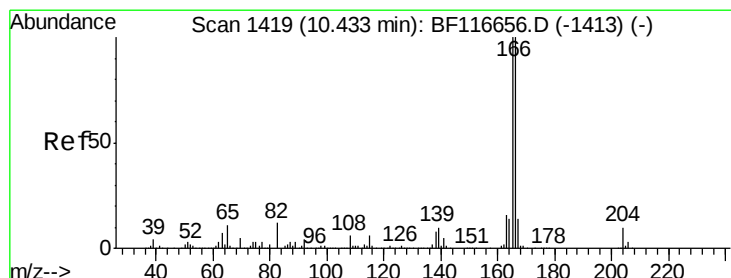
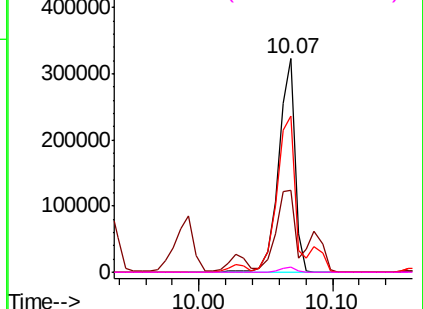


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#58

Fluorene

Concen: 52.923 ng

RT: 10.43 min Scan# 1419

Delta R.T. 0.00 min

Lab File: BF116723.D

Acq: 1 Sep 2019 4:07

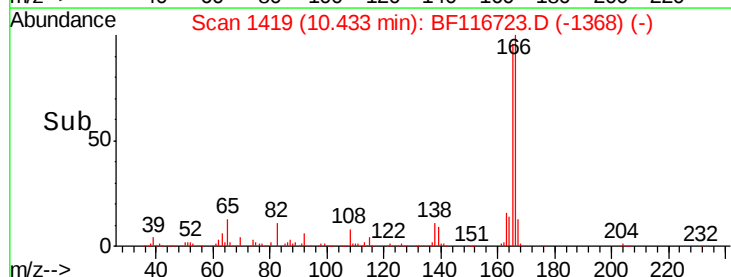
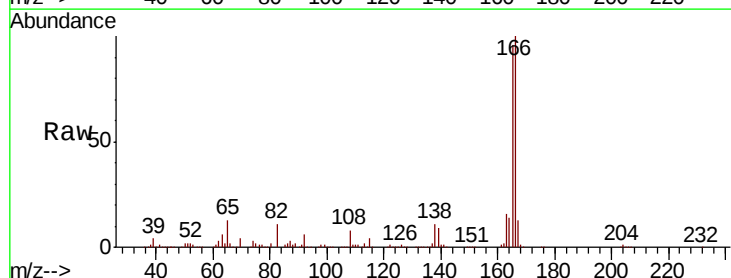
Tgt Ion:166 Resp: 818878

Ion Ratio Lower Upper

166 100

165 96.0 78.8 118.2

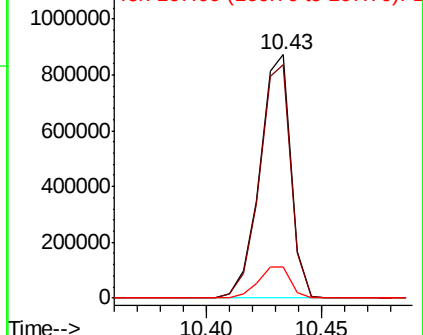
167 12.8 10.0 15.0



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

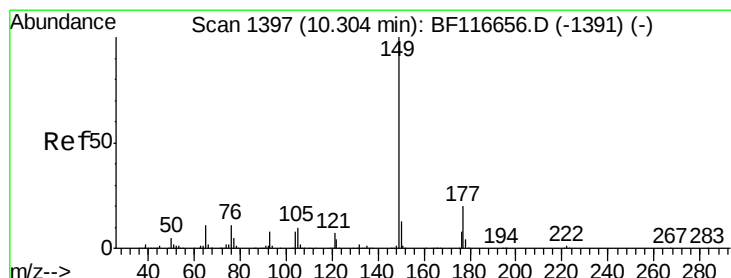
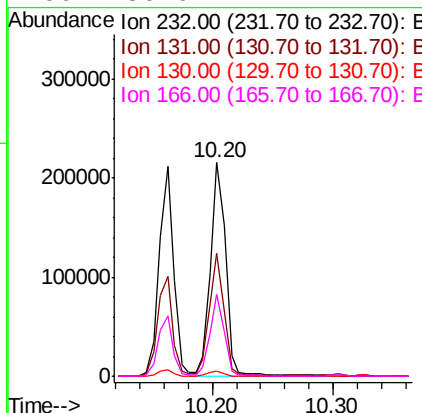
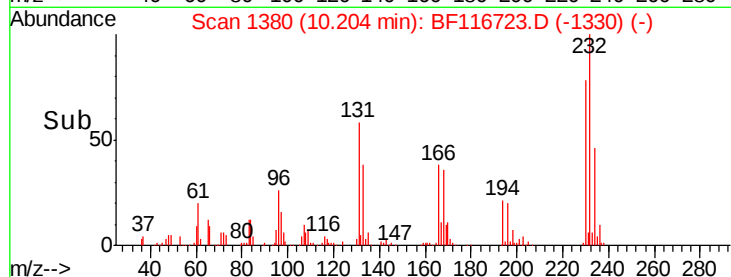
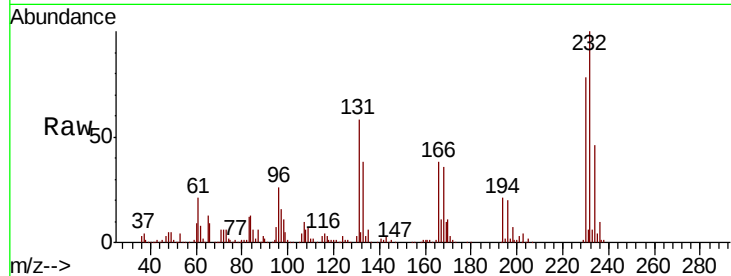




#59
 2,3,4,6-Tetrachlorophenol
 Concen: 59.266 ng
 RT: 10.20 min Scan# 1380
 Delta R.T. -0.01 min
 Lab File: BF116723.D
 Acq: 1 Sep 2019 4:07

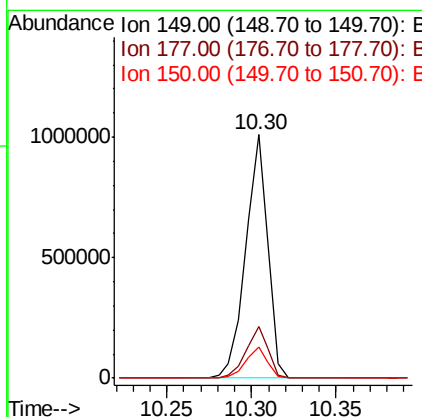
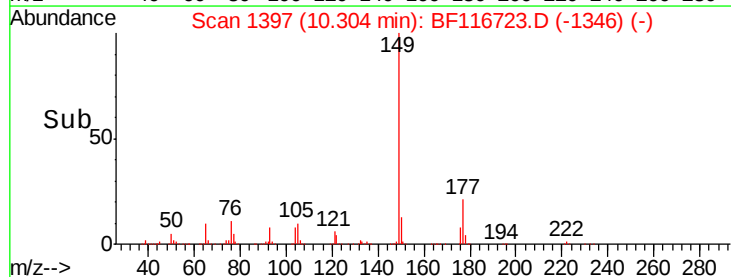
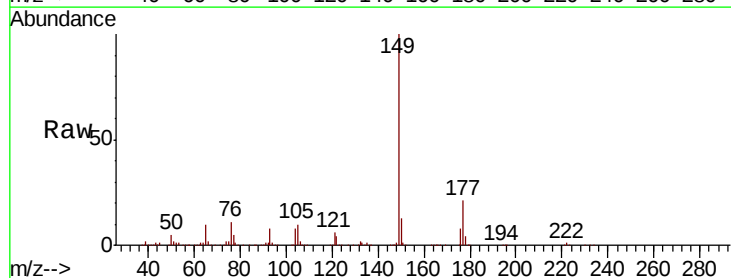
Instrument :
 BNA_F
 ClientSampleId :
 OK-02-082919MSD

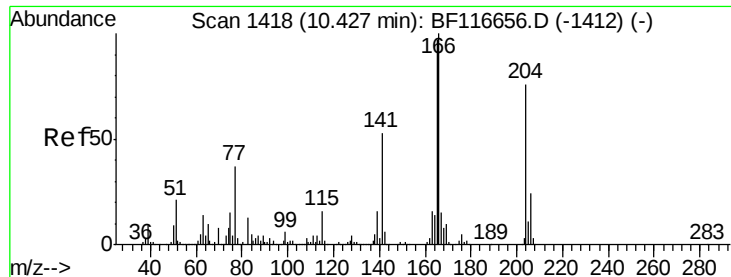
Tot Ion	Ratio	Lower	Upper
232	100		
131	55.2	42.7	64.1
130	2.4	1.9	2.9
166	36.6	27.4	41.2



#60
 Diethylphthalate
 Concen: 51.799 ng
 RT: 10.30 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: BF116723.D
 Acq: 1 Sep 2019 4:07

Tgt Ion	Ratio	Lower	Upper
149	100		
177	21.1	17.2	25.8
150	12.9	9.7	14.5





#61

4-Chlorophenyl-phenylether

Concen: 52.223 ng

RT: 10.42 min Scan# 1417

Delta R.T. -0.01 min

Lab File: BF116723.D

Acq: 1 Sep 2019 4:07

Instrument :

BNA_F

ClientSampleId :

OK-02-082919MSD

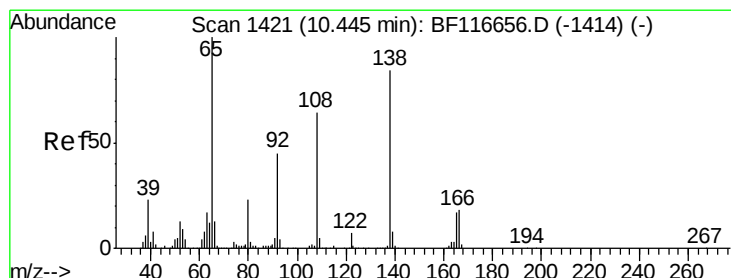
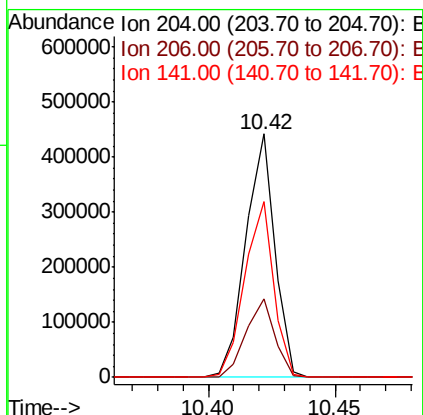
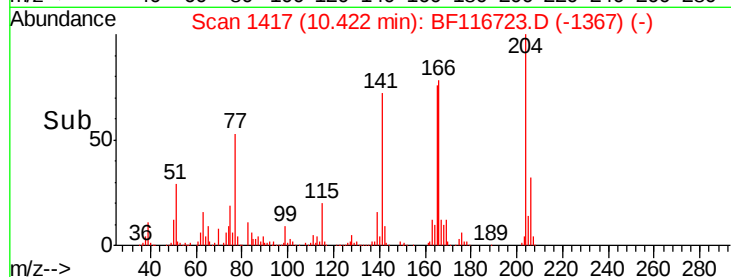
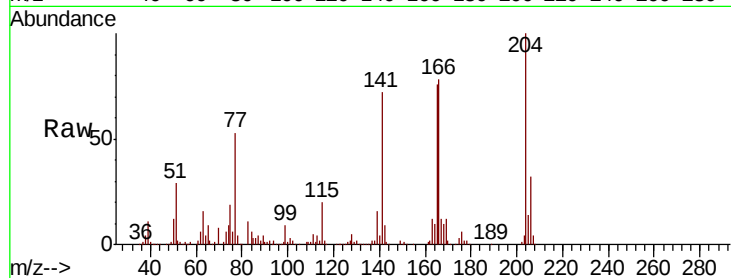
Tot Ion:204 Resp: 353843

Ion Ratio Lower Upper

204 100

206 32.3 25.4 38.2

141 72.3 53.8 80.8



#62

4-Nitroaniline

Concen: 54.897 ng

RT: 10.45 min Scan# 1421

Delta R.T. 0.00 min

Lab File: BF116723.D

Acq: 1 Sep 2019 4:07

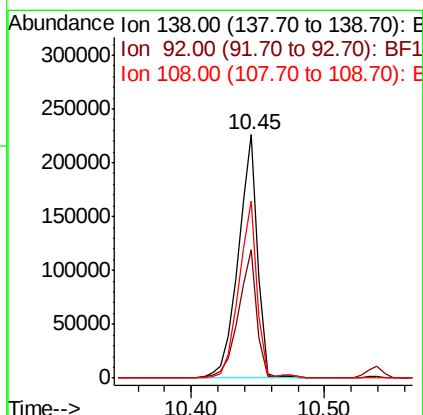
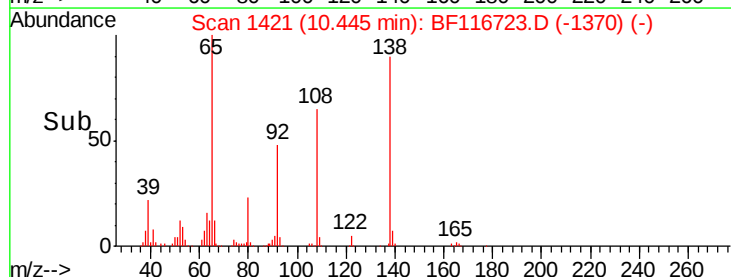
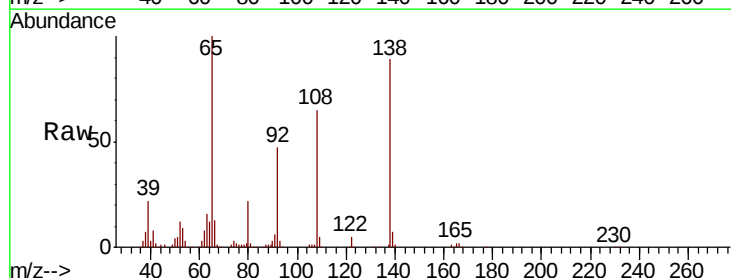
Tgt Ion:138 Resp: 226946

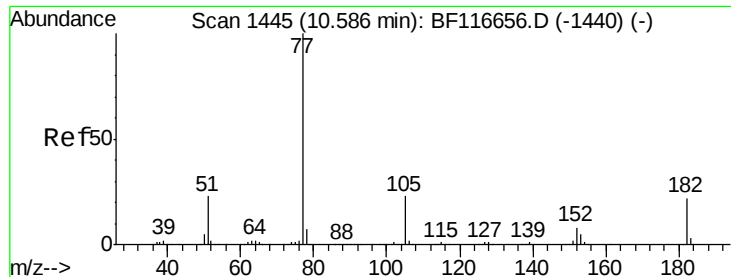
Ion Ratio Lower Upper

138 100

92 52.9 28.7 68.7

108 72.5 60.4 100.4





#63

Azobenzene

Concen: 52.438 ng

RT: 10.58 min Scan# 1444

Delta R.T. -0.01 min

Lab File: BF116723.D

Acq: 1 Sep 2019 4:07

Instrument :

BNA_F

ClientSampleId :

OK-02-082919MSD

Tot Ion: 77 Resp: 975804

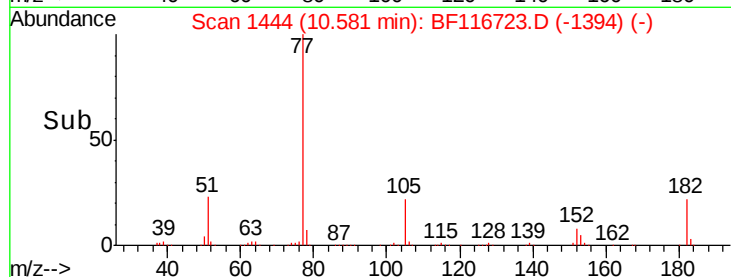
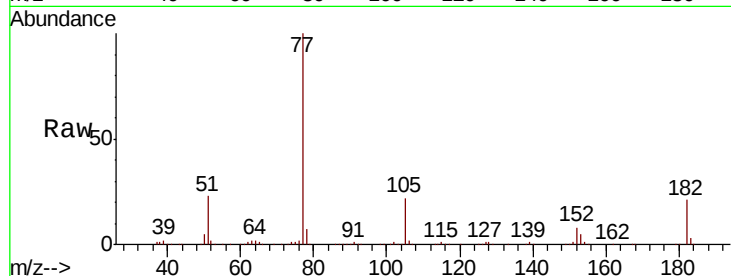
Ion Ratio Lower Upper

77 100

182 21.5 1.2 41.2

105 22.3 0.6 40.6

51 23.3 8.2 48.2

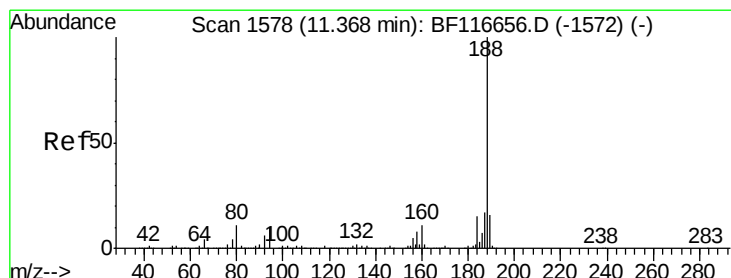
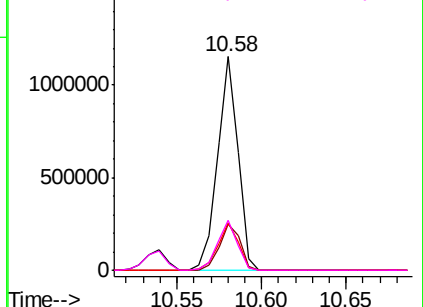


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF116723.D

Acq: 1 Sep 2019 4:07

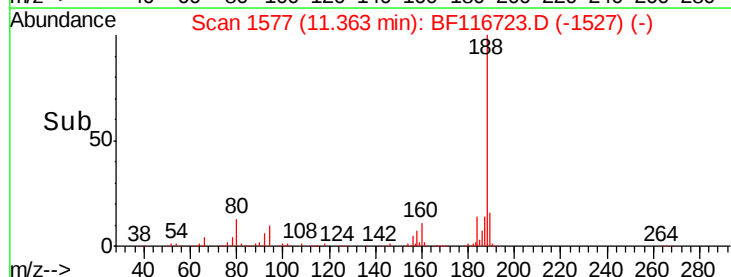
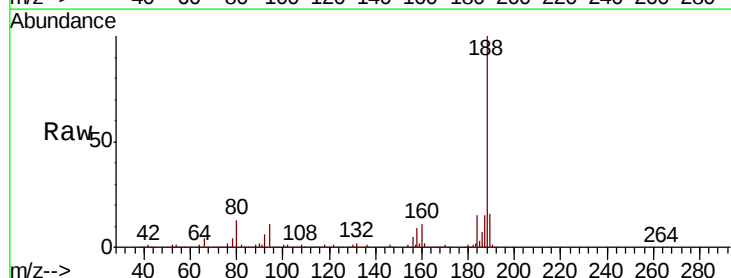
Tgt Ion: 188 Resp: 417644

Ion Ratio Lower Upper

188 100

94 10.9 7.3 10.9

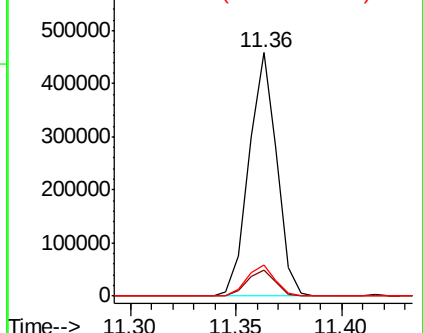
80 12.9 8.4 12.6#



Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#65

4,6-Dinitro-2-methylphenol

Concen: 57.586 ng

RT: 10.47 min Scan# 1426

Delta R.T. 0.00 min

Lab File: BF116723.D

Acq: 1 Sep 2019 4:07

Instrument :

BNA_F

ClientSampleId :

OK-02-082919MSD

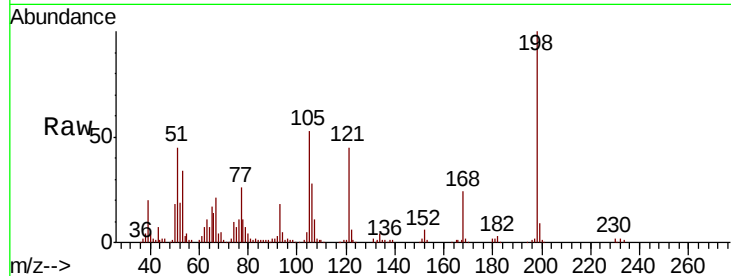
Tot Ion:198 Resp: 91286

Ion Ratio Lower Upper

198 100

51 45.2 18.4 58.4

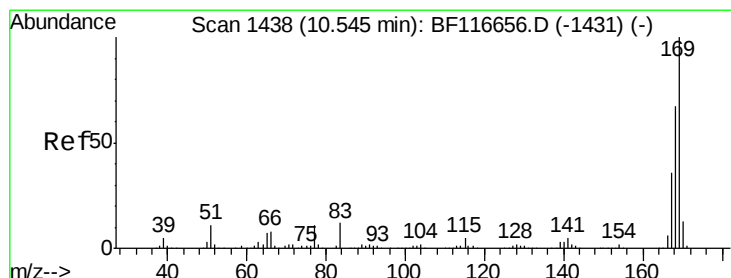
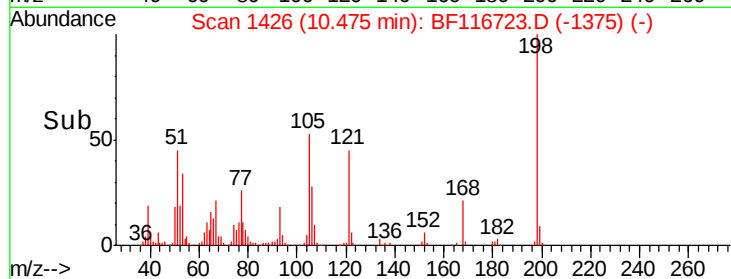
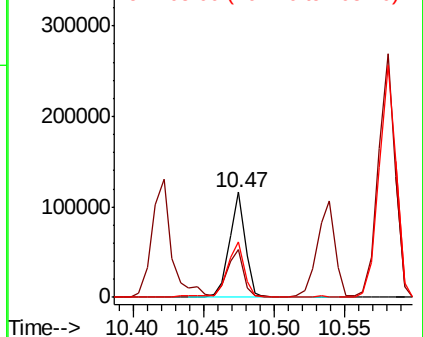
105 52.9 22.9 62.9



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: 52.560 ng

RT: 10.54 min Scan# 1437

Delta R.T. -0.01 min

Lab File: BF116723.D

Acq: 1 Sep 2019 4:07

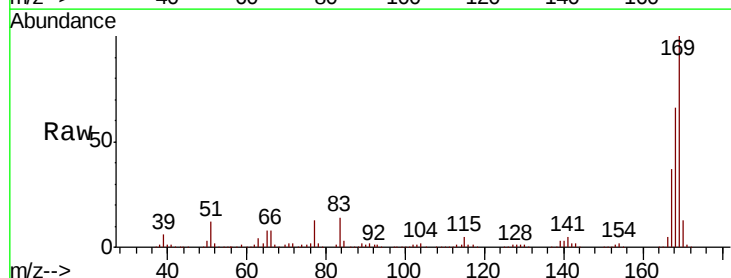
Tgt Ion:169 Resp: 759375

Ion Ratio Lower Upper

169 100

168 66.3 55.8 83.6

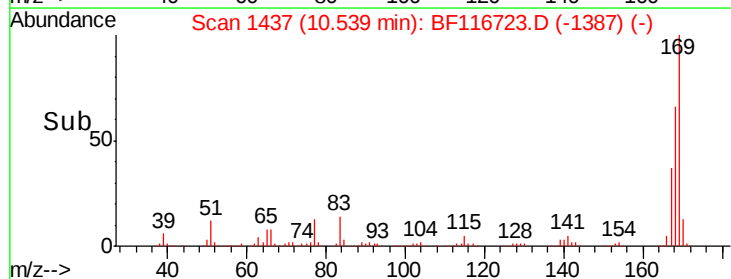
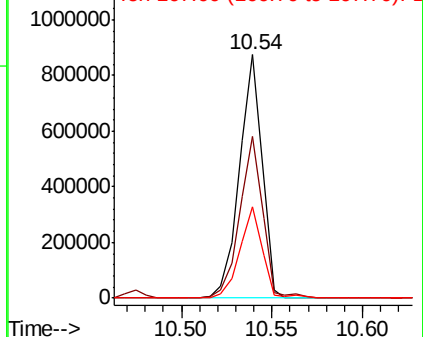
167 37.3 29.4 44.2

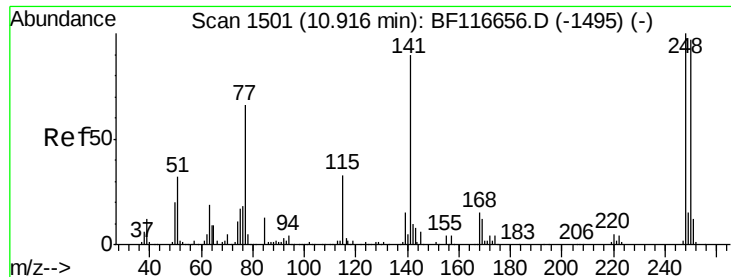


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

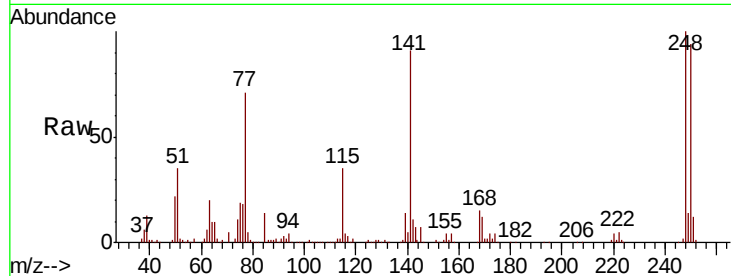




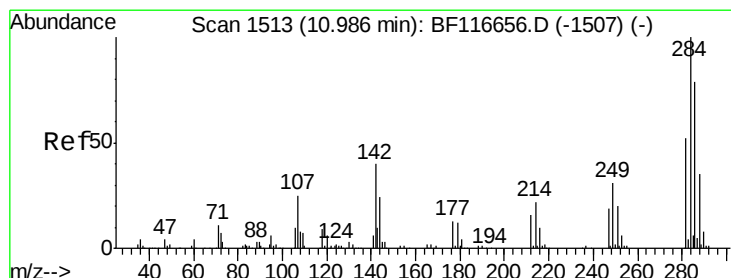
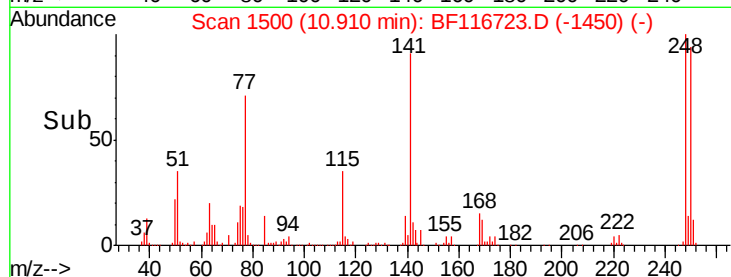
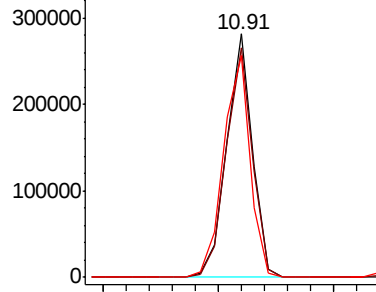
#67
4-Bromophenyl-phenylether
Concen: 51.662 ng
RT: 10.91 min Scan# 1500
Delta R.T. -0.01 min
Lab File: BF116723.D
Acq: 1 Sep 2019 4:07

Instrument :
BNA_F
ClientSampleId :
OK-02-082919MSD

Tot Ion:248 Resp: 219187
Ion Ratio Lower Upper
248 100
250 94.3 77.8 116.8
141 91.2 75.9 113.9

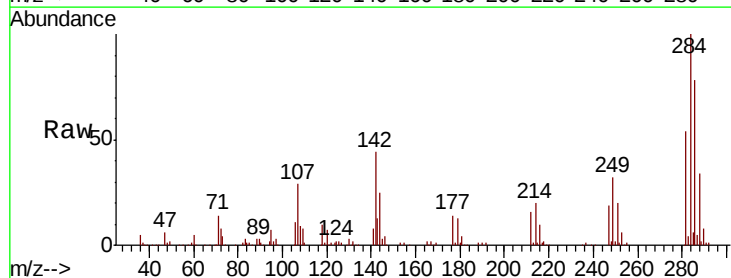


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

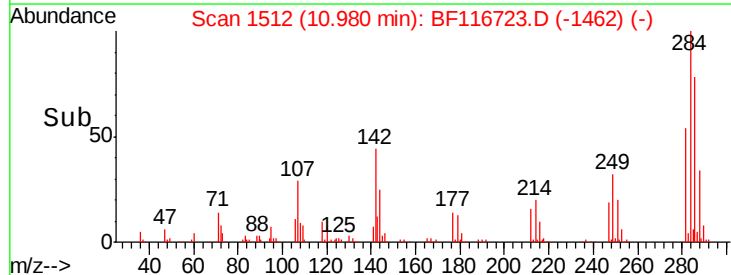
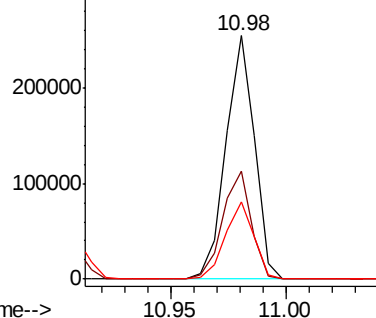


#68
Hexachlorobenzene
Concen: 49.588 ng
RT: 10.98 min Scan# 1512
Delta R.T. -0.01 min
Lab File: BF116723.D
Acq: 1 Sep 2019 4:07

Tgt Ion:284 Resp: 220121
Ion Ratio Lower Upper
284 100
142 44.3 34.0 51.0
249 31.9 26.4 39.6



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: 45.183 ng

RT: 11.06 min Scan# 1526

Delta R.T. -0.01 min

Lab File: BF116723.D

Acq: 1 Sep 2019 4:07

Instrument :

BNA_F

ClientSampleId :

OK-02-082919MSD

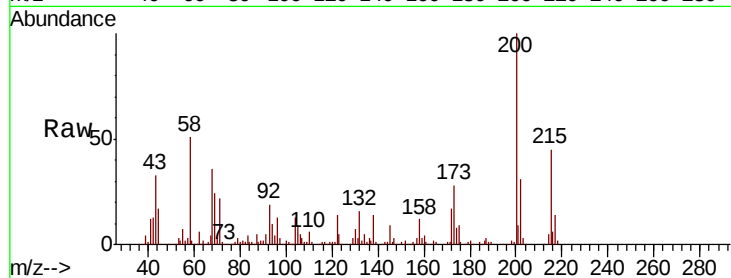
Tot Ion:200 Resp: 182829

Ion Ratio Lower Upper

200 100

173 27.8 6.2 46.2

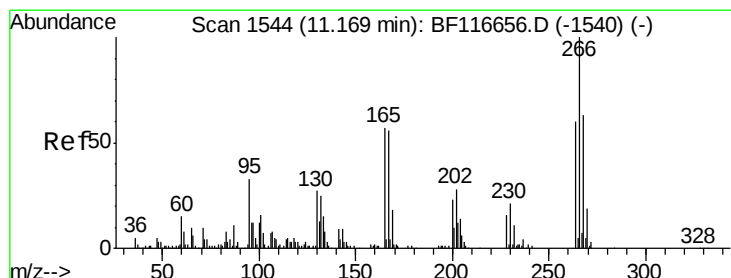
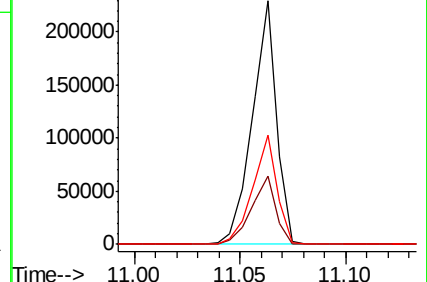
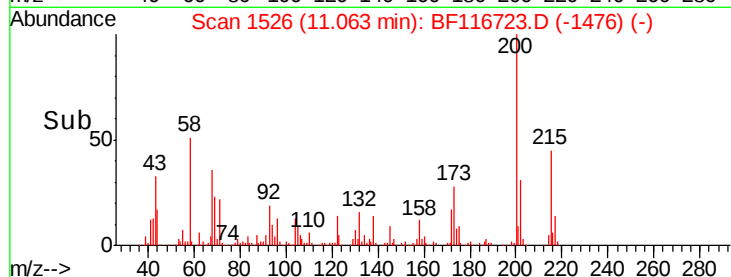
215 44.7 24.3 64.3



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: 107.641 ng

RT: 11.17 min Scan# 1544

Delta R.T. 0.00 min

Lab File: BF116723.D

Acq: 1 Sep 2019 4:07

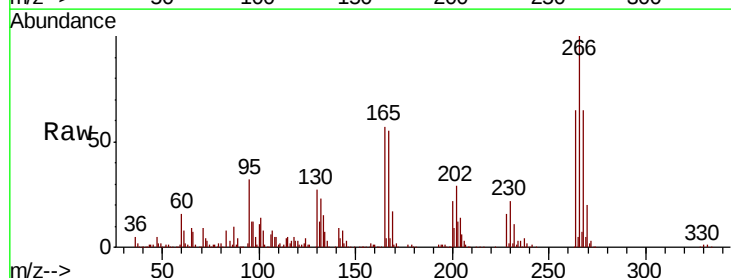
Tgt Ion:266 Resp: 231142

Ion Ratio Lower Upper

266 100

268 64.9 51.2 76.8

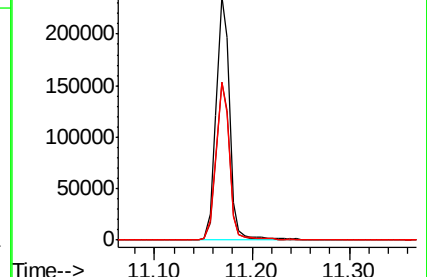
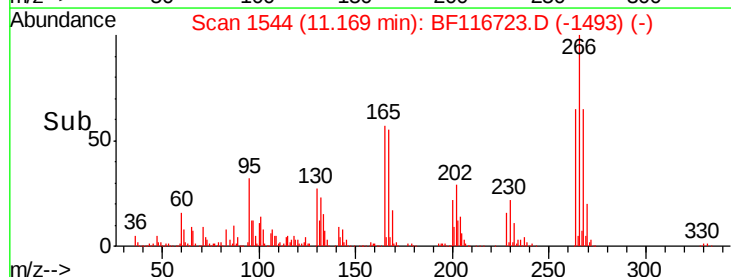
264 64.8 51.9 77.9

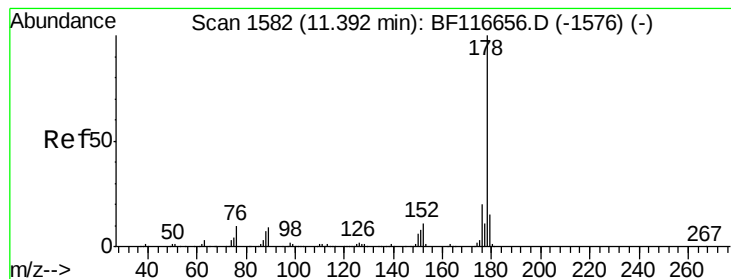


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#71

Phenanthrene

Concen: 51.182 ng

RT: 11.39 min Scan# 1582

Delta R.T. 0.00 min

Lab File: BF116723.D

Acq: 1 Sep 2019 4:07

Instrument :

BNA_F

ClientSampleId :

OK-02-082919MSD

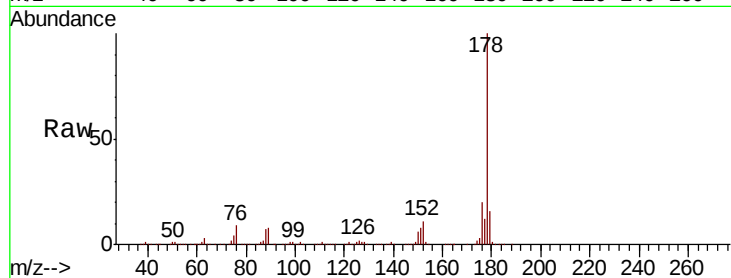
Tot Ion:178 Resp: 1189918

Ion Ratio Lower Upper

178 100

176 19.7 15.4 23.0

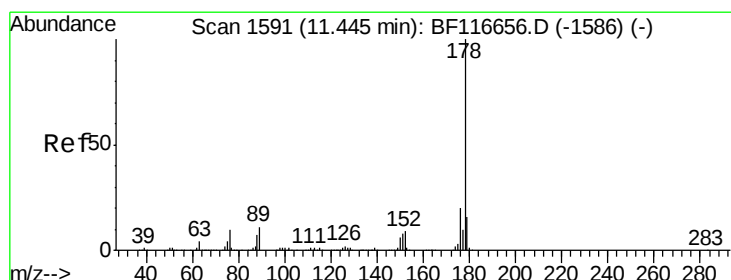
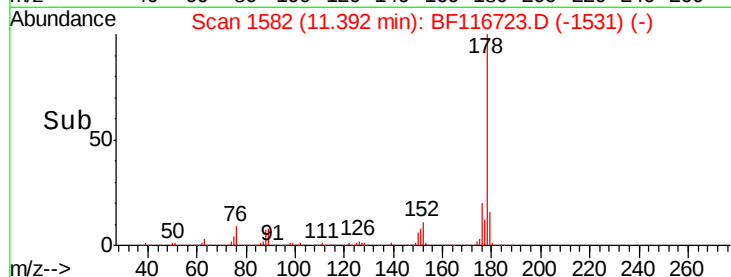
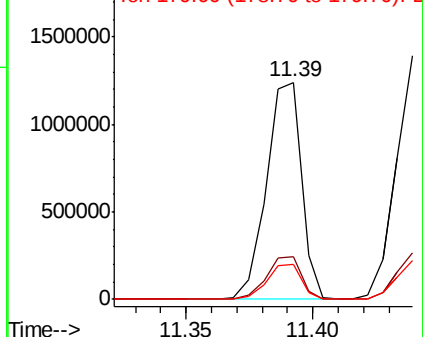
179 15.8 12.2 18.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 52.704 ng

RT: 11.44 min Scan# 1590

Delta R.T. -0.00 min

Lab File: BF116723.D

Acq: 1 Sep 2019 4:07

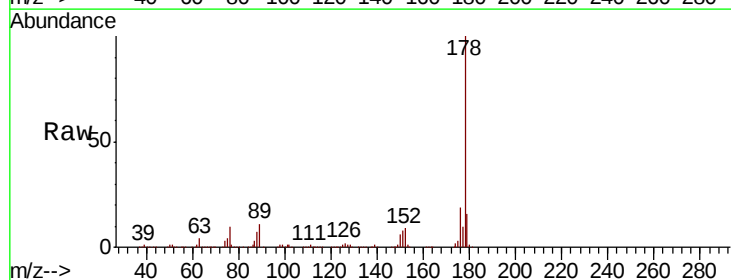
Tgt Ion:178 Resp: 1233436

Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.0

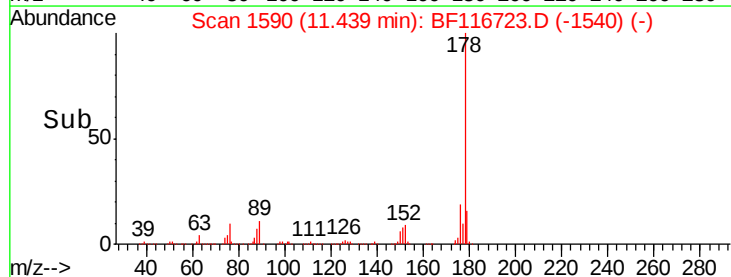
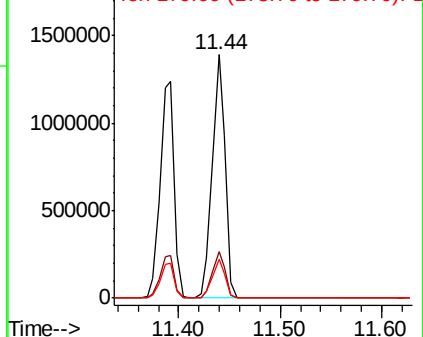
179 15.7 12.5 18.7

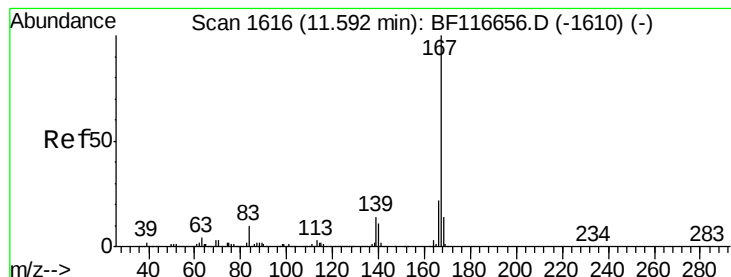


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#73

Carbazole

Concen: 51.360 ng

RT: 11.59 min Scan# 1616

Delta R.T. 0.00 min

Lab File: BF116723.D

Acq: 1 Sep 2019 4:07

Instrument :

BNA_F

ClientSampleId :

OK-02-082919MSD

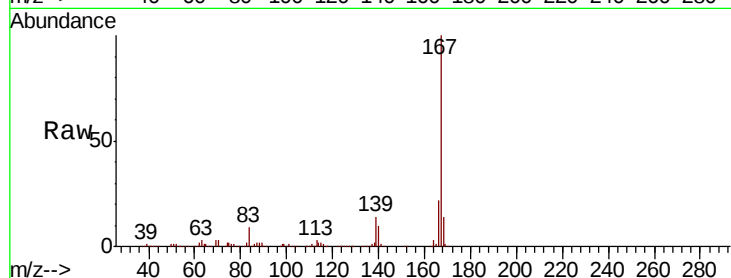
Tot Ion:167 Resp: 1144962

Ion Ratio Lower Upper

167 100

166 22.4 17.8 26.6

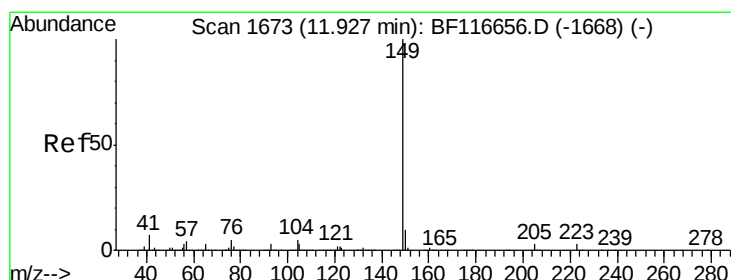
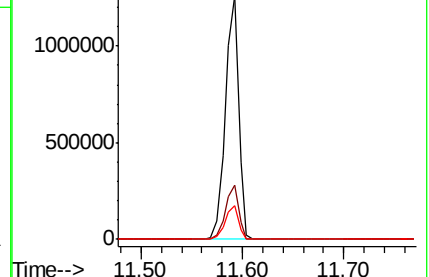
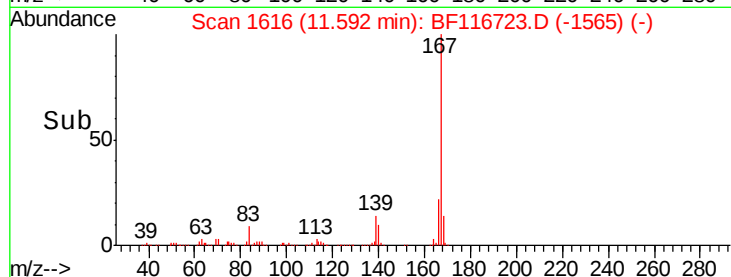
139 14.0 11.1 16.7



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: 53.956 ng

RT: 11.92 min Scan# 1672

Delta R.T. -0.01 min

Lab File: BF116723.D

Acq: 1 Sep 2019 4:07

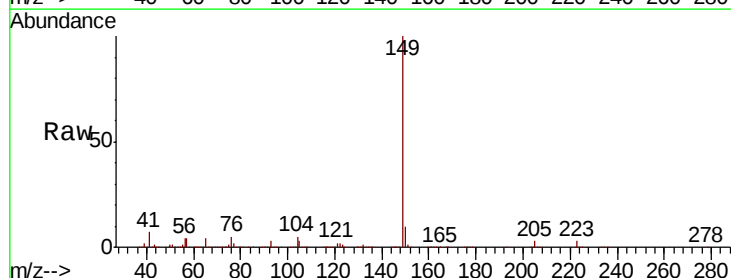
Tgt Ion:149 Resp: 1542015

Ion Ratio Lower Upper

149 100

150 9.6 7.2 10.8

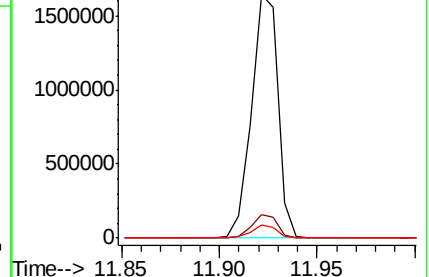
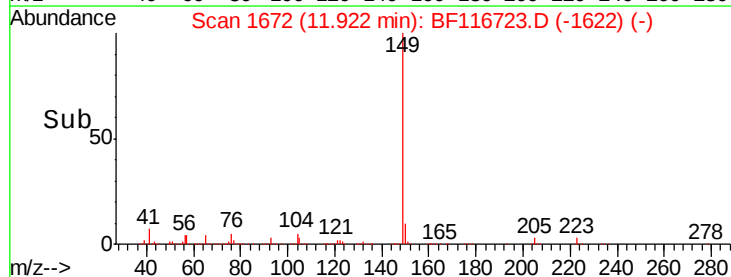
104 5.4 4.2 6.2

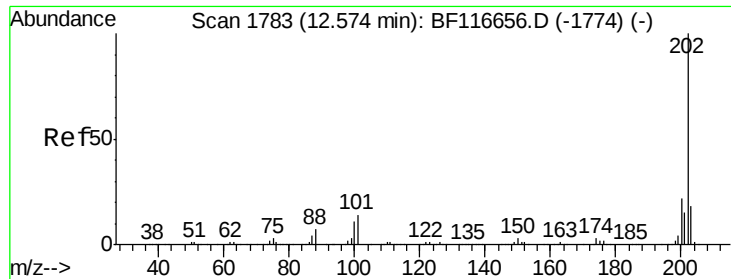


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



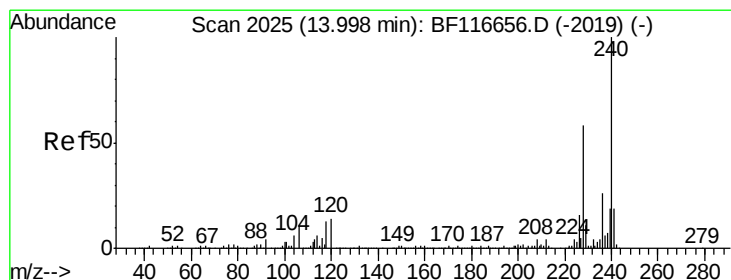
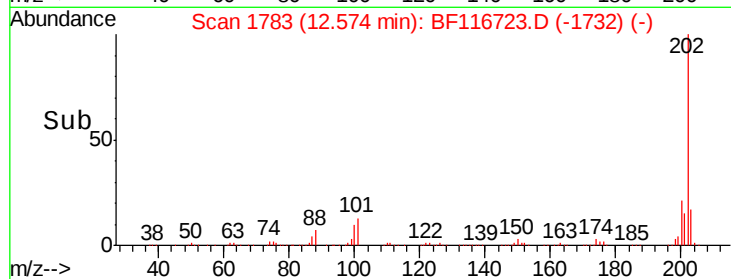
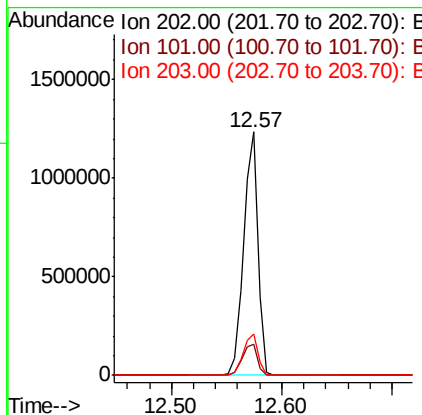
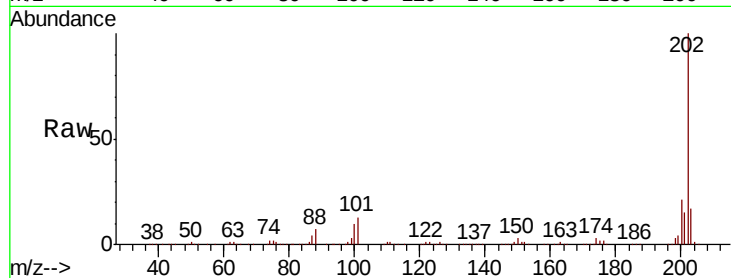


#75
Fluoranthene
 Concen: 49.276 ng
 RT: 12.57 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: BF116723.D
 Acq: 1 Sep 2019 4:07

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-082919MSD

Tot Ion:202 Resp: 1125856

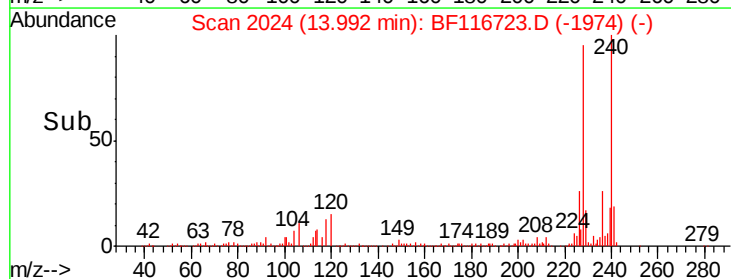
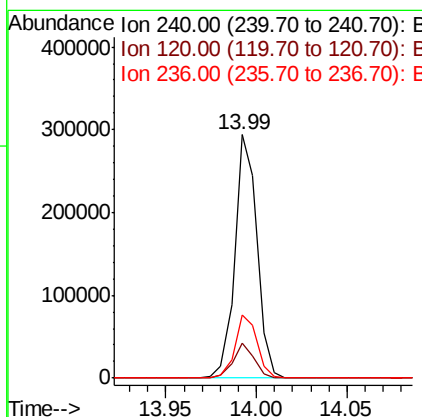
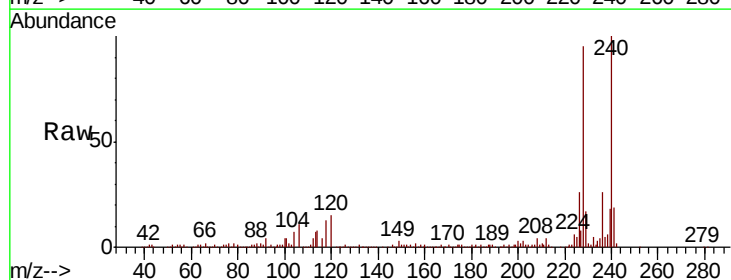
Ion	Ratio	Lower	Upper
202	100		
101	13.0	0.0	31.3
203	17.2	0.0	37.6

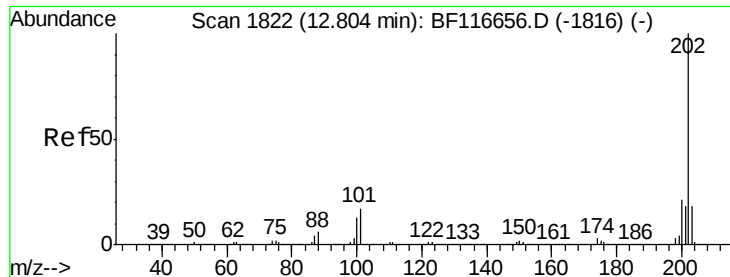


#76
Chrysene-d12
 Concen: 20.000 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. -0.01 min
 Lab File: BF116723.D
 Acq: 1 Sep 2019 4:07

Tgt Ion:240 Resp: 249303

Ion	Ratio	Lower	Upper
240	100		
120	14.6	9.1	13.7#
236	26.1	21.1	31.7

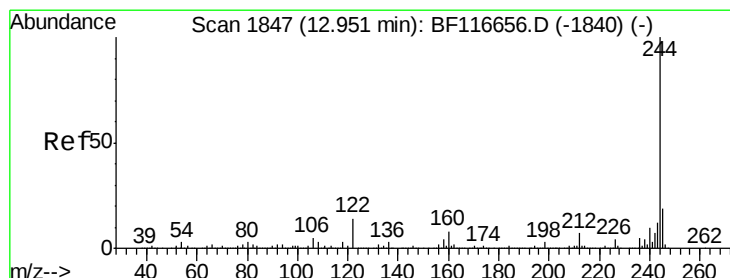
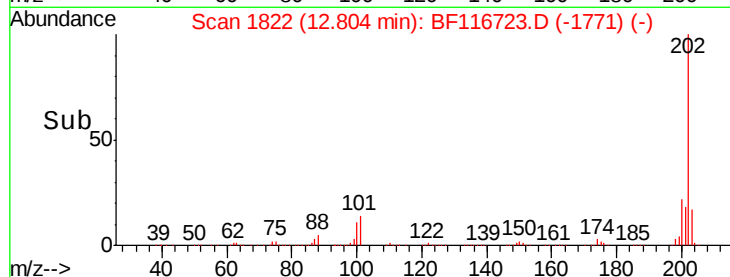
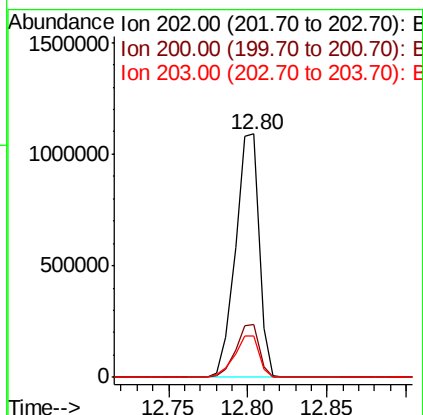
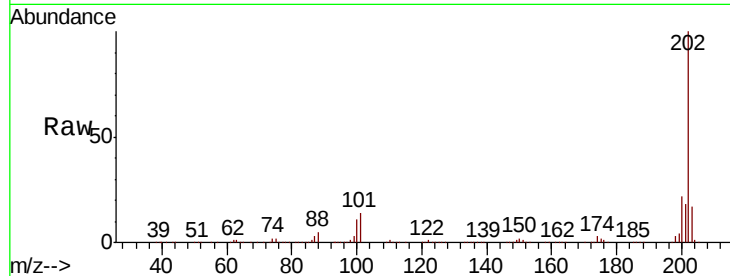




#78
Pvrene
Concen: 50.839 ng
RT: 12.80 min Scan# 1822
Delta R.T. 0.00 min
Lab File: BF116723.D
Acq: 1 Sep 2019 4:07

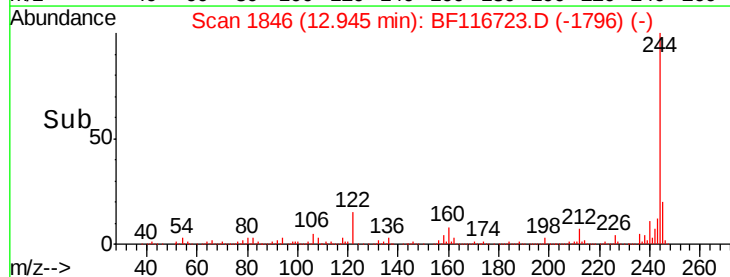
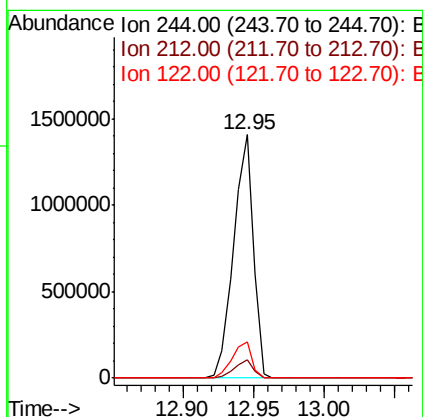
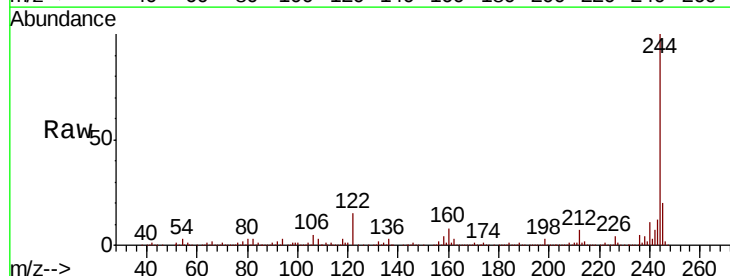
Instrument :
BNA_F
ClientSampleId :
OK-02-082919MSD

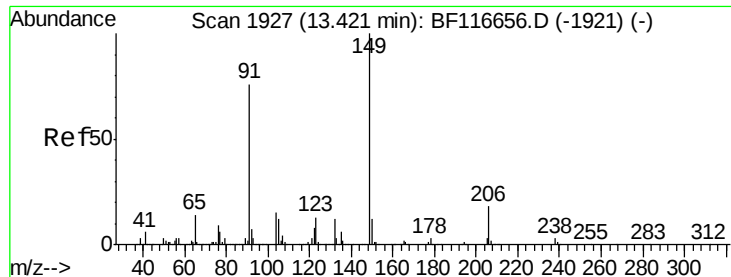
Tot Ion:202 Resp: 1126656
Ion Ratio Lower Upper
202 100
200 21.8 16.5 24.7
203 17.1 13.7 20.5



#79
Terphenyl-d14
Concen: 101.763 ng
RT: 12.95 min Scan# 1846
Delta R.T. -0.01 min
Lab File: BF116723.D
Acq: 1 Sep 2019 4:07

Tgt Ion:244 Resp: 1371386
Ion Ratio Lower Upper
244 100
212 7.4 6.1 9.1
122 14.7 10.2 15.4

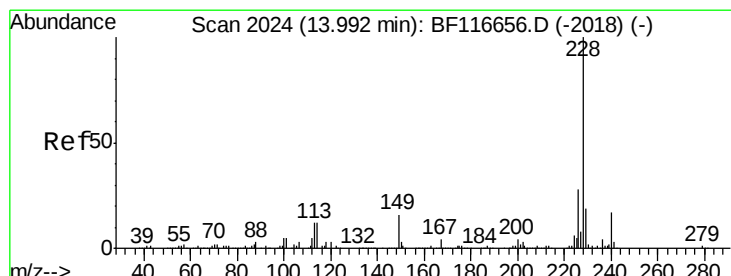
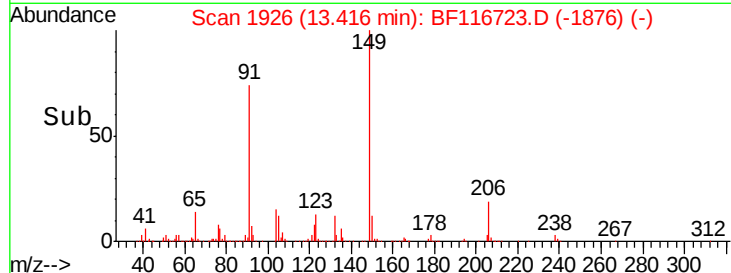
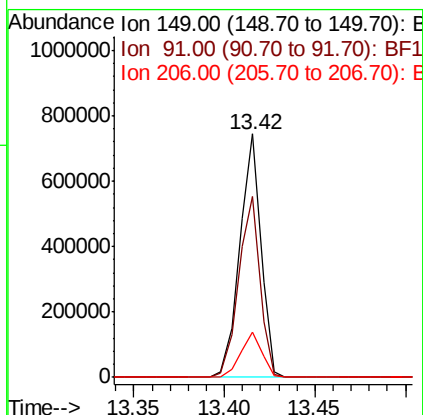
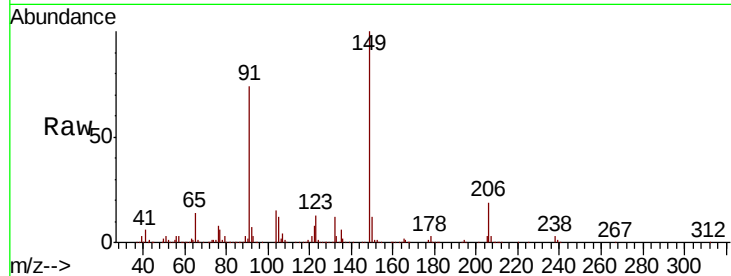




#80
Butylbenzylphthalate
Concen: 56.052 ng
RT: 13.42 min Scan# 1926
Delta R.T. -0.01 min
Lab File: BF116723.D
Acq: 1 Sep 2019 4:07

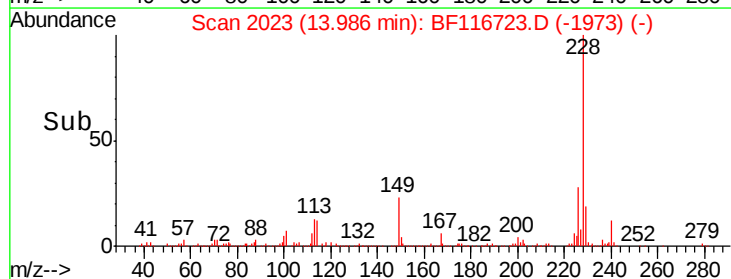
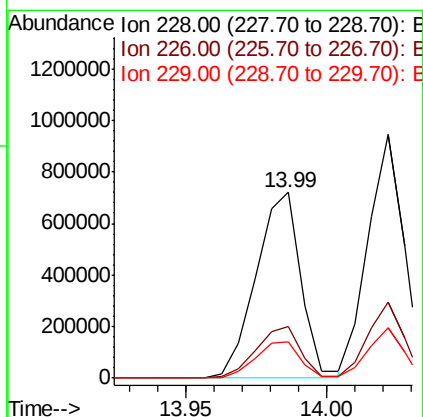
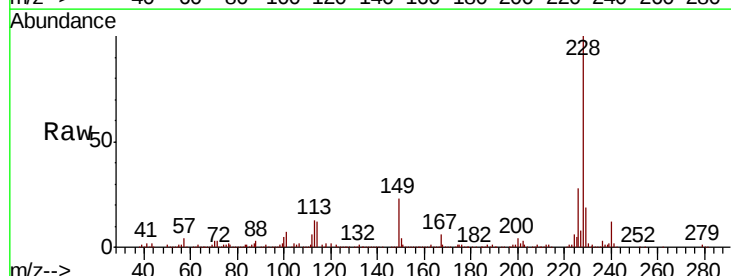
Instrument :
BNA_F
ClientSampleId :
OK-02-082919MSD

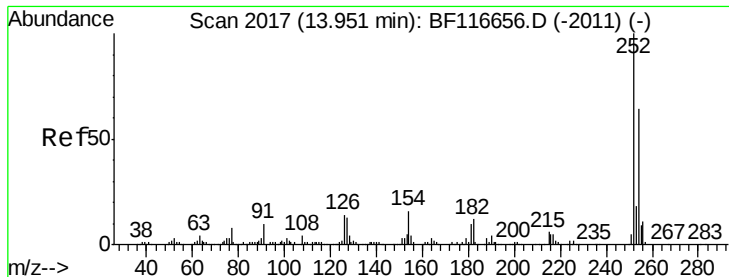
Tot Ion:149 Resp: 604074
Ion Ratio Lower Upper
149 100
91 74.4 61.0 91.4
206 18.5 14.8 22.2



#81
Benzo(a)anthracene
Concen: 50.279 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF116723.D
Acq: 1 Sep 2019 4:07

Tgt Ion:228 Resp: 793324
Ion Ratio Lower Upper
228 100
226 27.7 22.0 33.0
229 19.3 16.4 24.6





#82

3,3'-Dichlorobenzidine

Concen: 32.826 ng

RT: 13.94 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BF116723.D

Acq: 1 Sep 2019 4:07

Instrument :

BNA_F

ClientSampleId :

OK-02-082919MSD

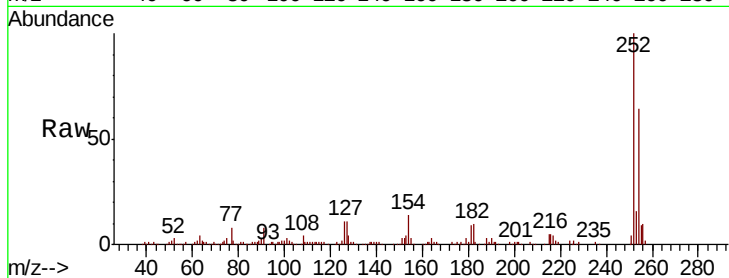
Tot Ion:252 Resp: 175036

Ion Ratio Lower Upper

252 100

254 64.0 50.1 75.1

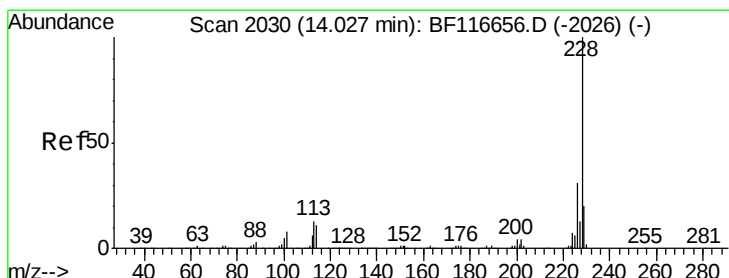
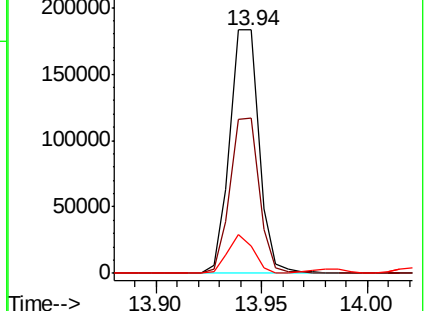
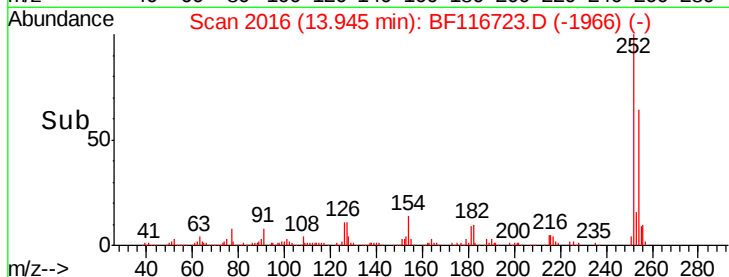
126 11.0 10.6 16.0



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



#83

Chrysene

Concen: 50.791 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF116723.D

Acq: 1 Sep 2019 4:07

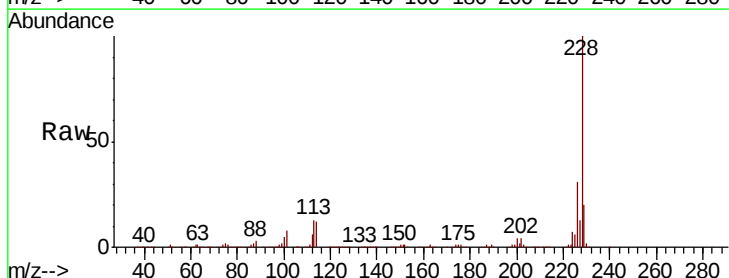
Tgt Ion:228 Resp: 825639

Ion Ratio Lower Upper

228 100

226 31.1 24.0 36.0

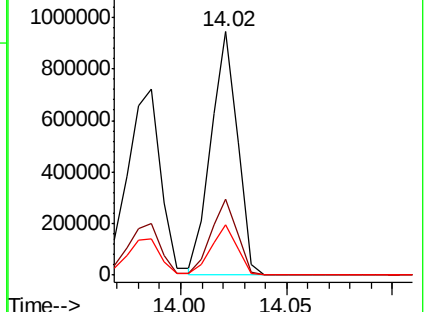
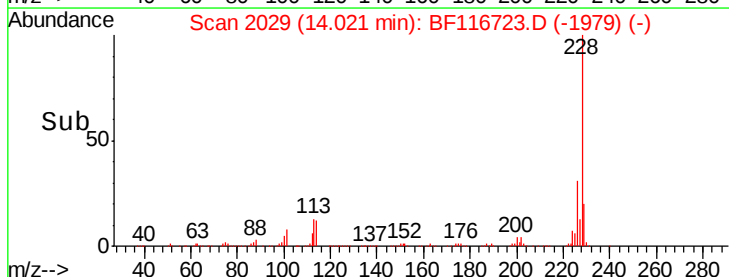
229 20.5 15.4 23.0

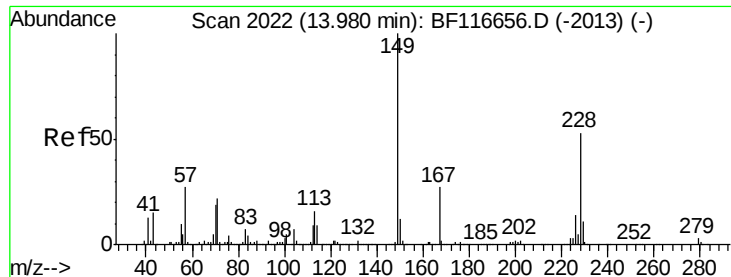


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 62.014 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BF116723.D

Acq: 1 Sep 2019 4:07

Instrument :

BNA_F

ClientSampleId :

OK-02-082919MSD

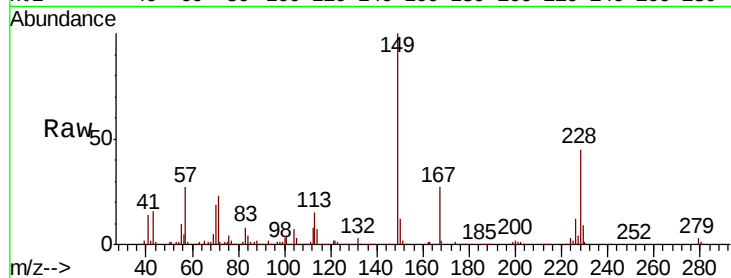
Tot Ion:149 Resp: 824992

Ion Ratio Lower Upper

149 100

167 27.1 21.0 31.4

279 3.0 2.8 4.2

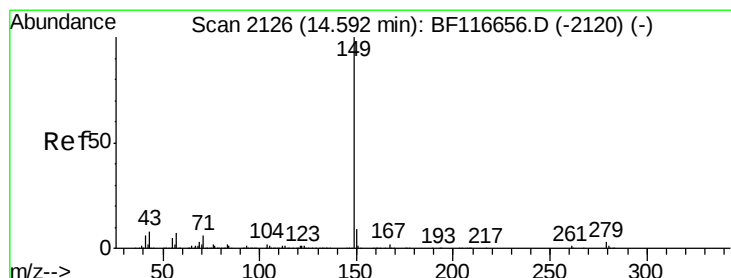
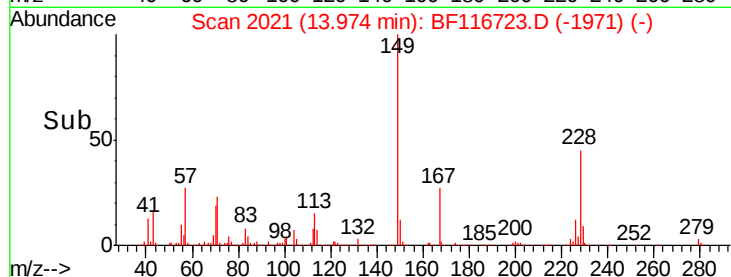
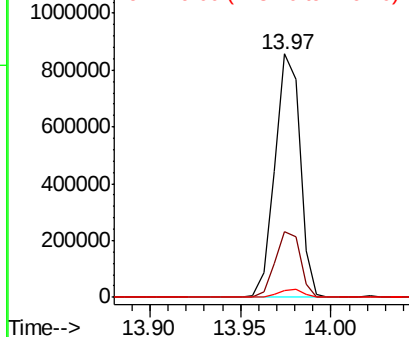


Abundance

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: 64.374 ng

RT: 14.59 min Scan# 2125

Delta R.T. -0.01 min

Lab File: BF116723.D

Acq: 1 Sep 2019 4:07

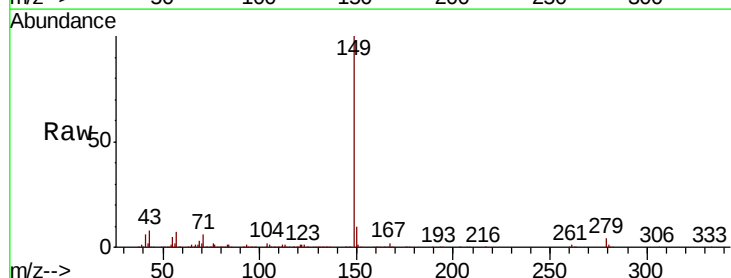
Tgt Ion:149 Resp: 1401466

Ion Ratio Lower Upper

149 100

167 1.5 1.3 1.9

43 8.3 7.8 11.8

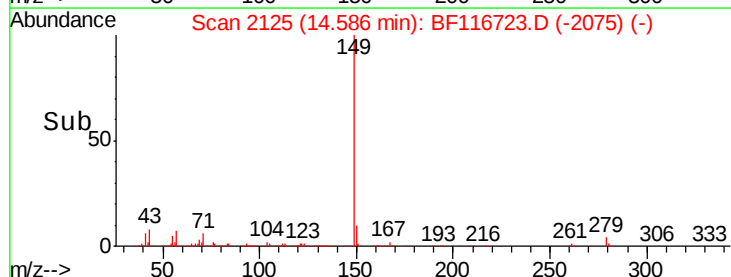
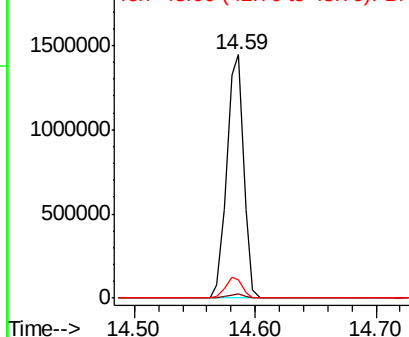


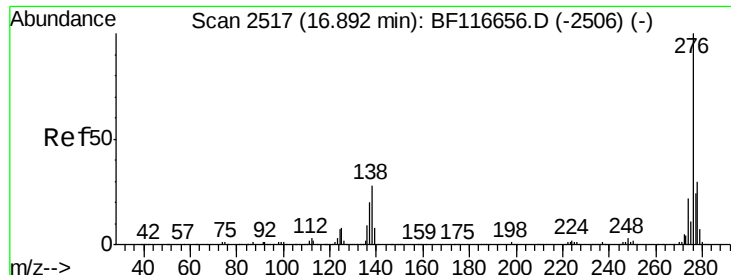
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1

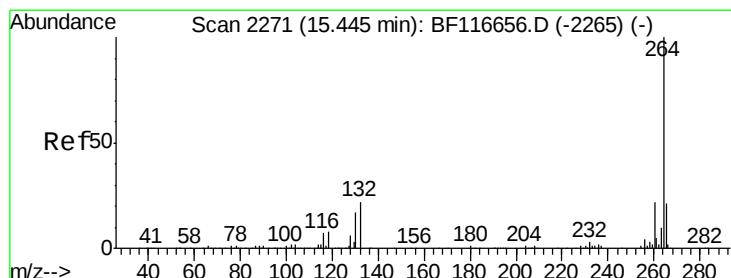
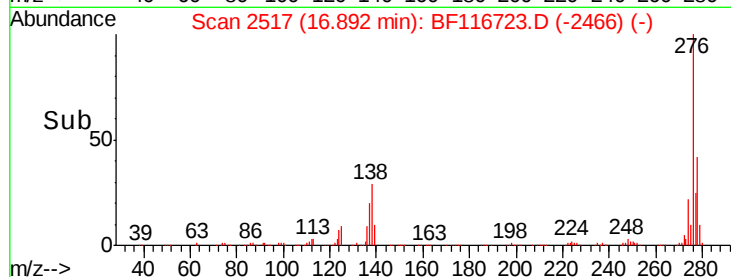
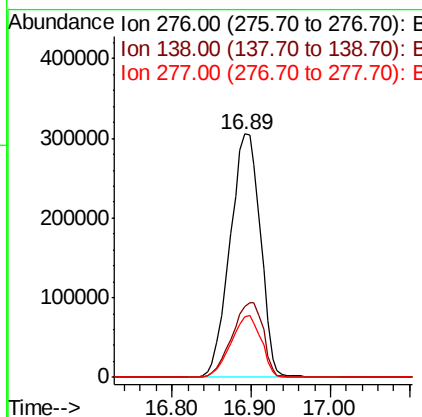
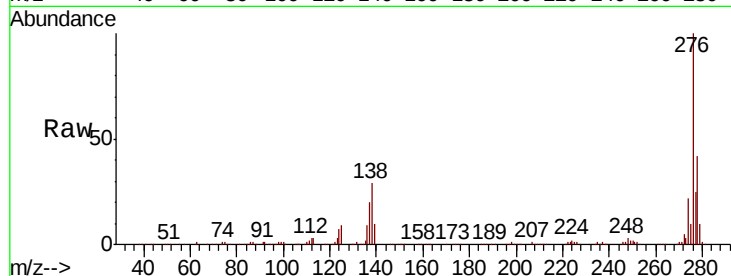




#86
Indeno(1,2,3-cd)pyrene
Concen: 62.121 ng
RT: 16.89 min Scan# 2517
Delta R.T. 0.00 min
Lab File: BF116723.D
Acq: 1 Sep 2019 4:07

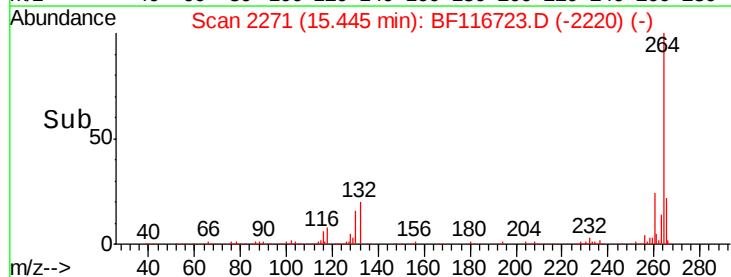
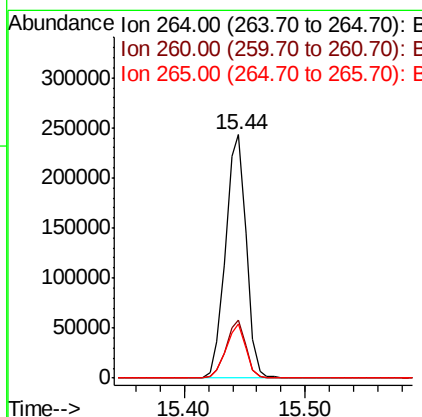
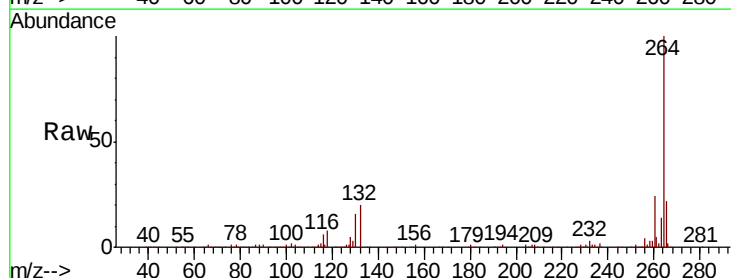
Instrument :
BNA_F
ClientSampleId :
OK-02-082919MSD

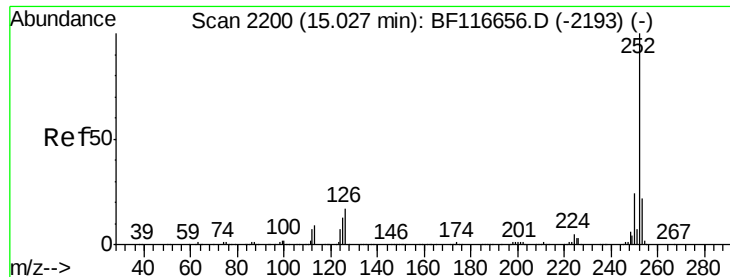
Tot Ion	Ratio	Lower	Upper
276	100		
138	31.6	19.4	29.2
277	25.3	20.5	30.7



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.00 min
Lab File: BF116723.D
Acq: 1 Sep 2019 4:07

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.3	27.5
265	22.2	16.5	24.7

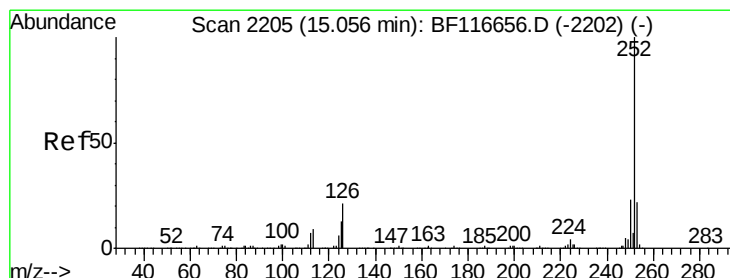
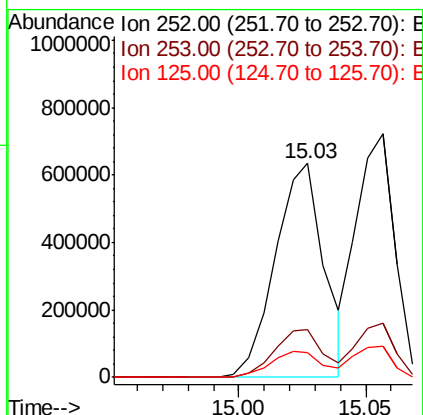
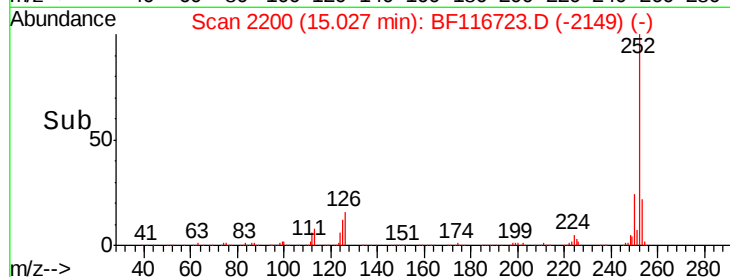
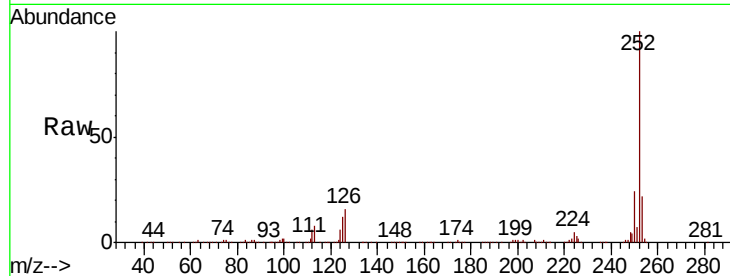




#88
Benzo(b)fluoranthene
Concen: 48.924 ng
RT: 15.03 min Scan# 2200
Delta R.T. 0.00 min
Lab File: BF116723.D
Acq: 1 Sep 2019 4:07

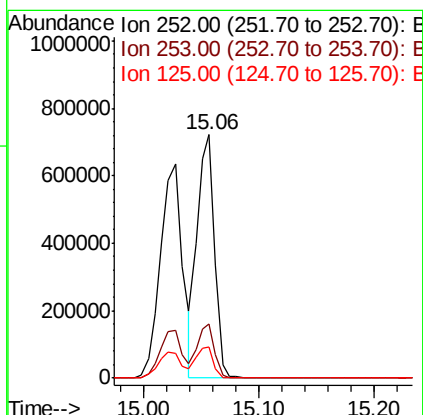
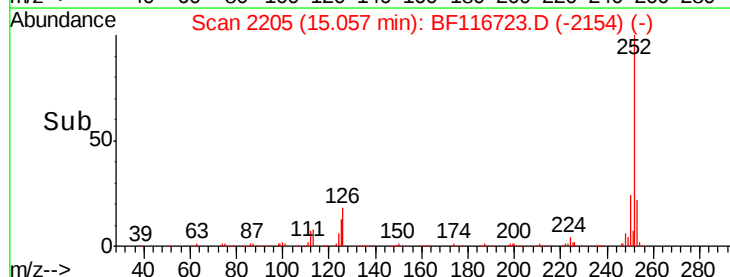
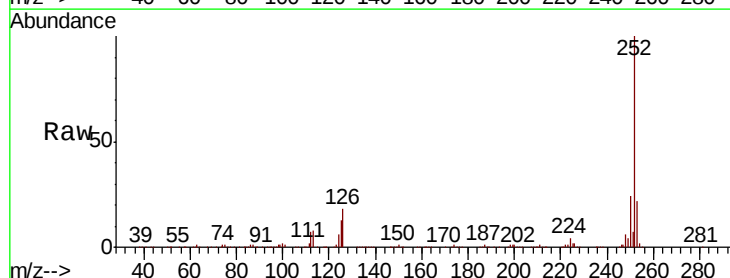
Instrument :
BNA_F
ClientSampleId :
OK-02-082919MSD

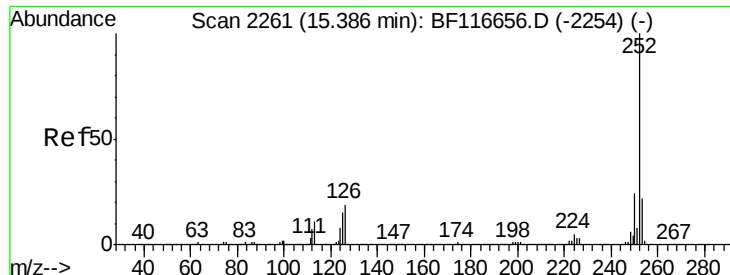
Tot Ion:252 Resp: 852712
Ion Ratio Lower Upper
252 100
253 22.2 17.7 26.5
125 11.6 8.2 12.2



#89
Benzo(k)fluoranthene
Concen: 48.188 ng
RT: 15.06 min Scan# 2205
Delta R.T. 0.00 min
Lab File: BF116723.D
Acq: 1 Sep 2019 4:07

Tgt Ion:252 Resp: 765794
Ion Ratio Lower Upper
252 100
253 22.2 17.7 26.5
125 12.7 8.6 13.0

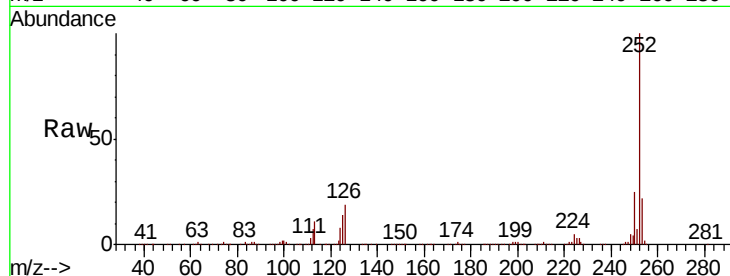




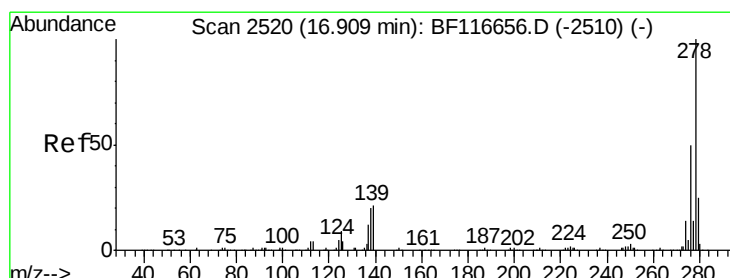
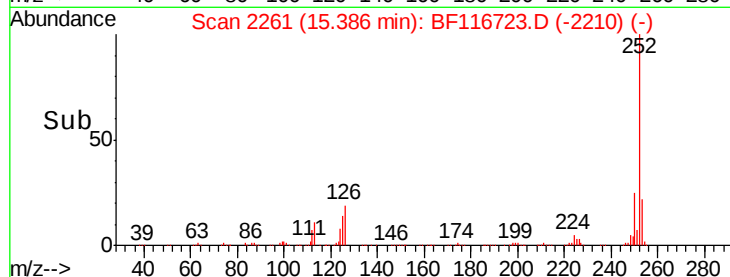
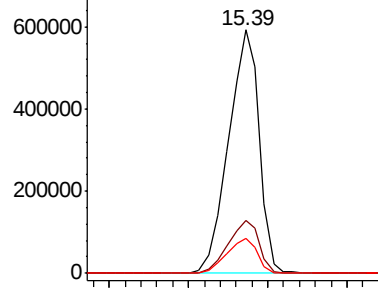
#90
Benzo(a)pyrene
Concen: 52.657 ng
RT: 15.39 min Scan# 2261
Delta R.T. 0.00 min
Lab File: BF116723.D
Acq: 1 Sep 2019 4:07

Instrument :
BNA_F
ClientSampleId :
OK-02-082919MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.1	27.1
125	14.4	9.8	14.8

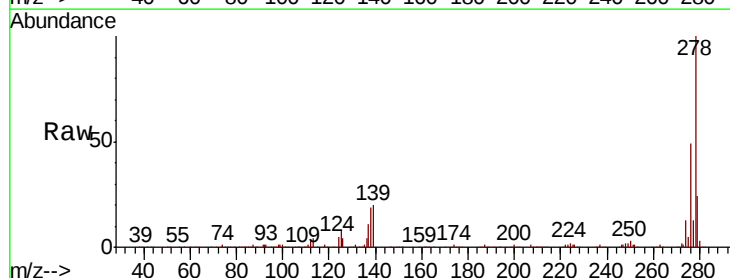


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

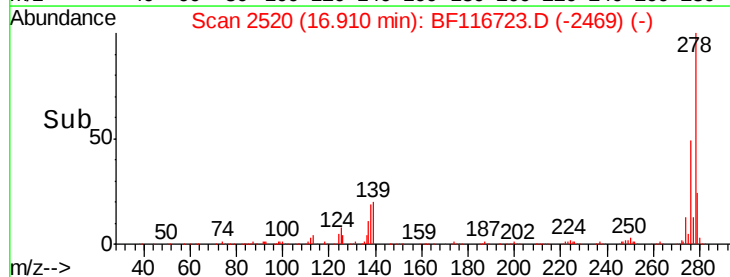
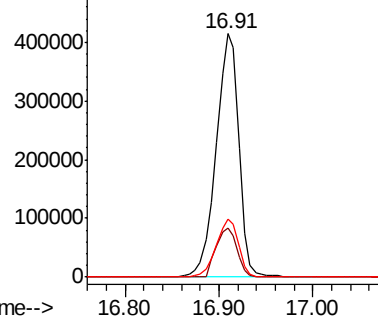


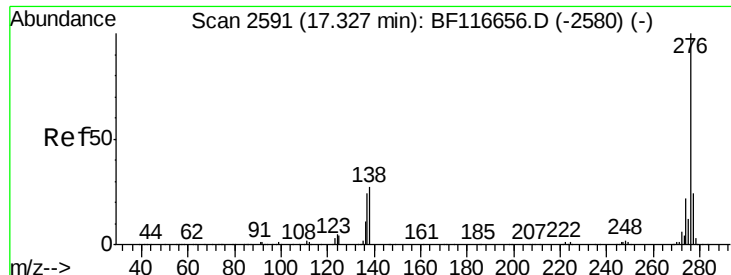
#91
Dibenzo(a,h)anthracene
Concen: 52.205 ng
RT: 16.91 min Scan# 2520
Delta R.T. 0.00 min
Lab File: BF116723.D
Acq: 1 Sep 2019 4:07

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.2	12.4	18.6#
279	24.0	18.2	27.4



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#92
 Benzo(a,h,i)perylene
 Concen: 46.933 ng
 RT: 17.33 min Scan# 2592
 Delta R.T. 0.01 min
 Lab File: BF116723.D
 Acq: 1 Sep 2019 4:07

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-082919MSD

Tot Ion	Ratio	Lower	Upper
276	100		
277	22.8	18.5	27.7
138	26.8	16.2	24.2

