

Data Path : \\74.0.250.170\TERASTORAGE\SVOASRV\HPCHEM1\BNA_F\DATA\BF062919\
 Data File : BF115317.D
 Acq On : 29 Jun 2019 12:38
 Operator : HP/JU
 Sample : K3555-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-17

Quant Time: Jun 30 02:12:19 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 28 05:26:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	189836	20.00	ng	0.00
21) Naphthalene-d8	7.88	136	744052	20.00	ng	0.00
39) Acenaphthene-d10	9.62	164	368182	20.00	ng	0.00
64) Phenanthrene-d10	11.09	188	756289	20.00	ng	0.00
76) Chrysene-d12	13.71	240	686556	20.00	ng	0.00
87) Perylene-d12	15.08	264	726674	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.19	112	973678	79.15	ng	0.00
7) Phenol-d6	6.24	99	1229554	82.35	ng	0.00
23) Nitrobenzene-d5	7.16	82	723528	59.82	ng	0.00
42) 2,4,6-Tribromophenol	10.41	330	359448	92.58	ng	0.00
45) 2-Fluorobiphenyl	8.95	172	1328653	61.30	ng	0.00
79) Terphenyl-d14	12.68	244	1627902	50.41	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.25	88	201	0.035	ng	# 24
4) n-Nitrosodimethylamine	2.72	42	111	0.017	ng	# 1
6) Aniline	6.25	93	343	0.017	ng	# 1
8) 2-Chlorophenol	6.38	128	159	0.011	ng	# 1
9) Benzaldehyde	6.24	77	1849	0.190	ng	# 1
10) Phenol	6.25	94	14051	0.803	ng	91
11) bis(2-Chloroethyl)ether	6.37	93	1339	0.104	ng	# 1
15) Benzyl Alcohol	6.75	79	11693	1.075	ng	# 41
16) 2,2'-oxybis(1-Chloropropan	7.15	45	113	0.006	ng	# 1
18) Hexachloroethane	7.17	117	648	0.117	ng	# 1
22) Acetophenone	7.00	105	385	0.023	ng	# 34
24) Nitrobenzene	7.16	77	2549	0.191	ng	# 29
27) 2,4-Dimethylphenol	7.60	122	847	0.079	ng	# 6
31) Naphthalene	7.90	128	4716	0.129	ng	97
32) Benzoic acid	7.60	122	847	0.110	ng	# 41
33) 4-Chloroaniline	7.90	127	529	0.032	ng	# 51
37) 2-Methylnaphthalene	8.59	142	180	0.007	ng	# 74
38) 1-Methylnaphthalene	8.69	142	438	0.019	ng	# 76
46) 1,1'-Biphenyl	9.05	154	2421	0.082	ng	99
47) 2-Chloronaphthalene	9.35	162	952	0.040	ng	# 1
48) 2-Nitroaniline	9.35	65	1442	0.207	ng	# 1
49) Acenaphthylene	9.48	152	287	0.008	ng	# 59
50) Dimethylphthalate	9.35	163	168709	6.228	ng	98
51) 2,6-Dinitrotoluene	9.35	165	1885	0.301	ng	# 10
52) Acenaphthene	9.65	154	146	0.006	ng	# 5
55) Dibenzofuran	9.82	168	106	0.003	ng	# 44
60) Diethylphthalate	10.05	149	866	0.032	ng	# 58
63) Azobenzene	10.34	77	981	0.039	ng	# 1
66) n-Nitrosodiphenylamine	10.28	169	683	0.029	ng	# 24
70) Pentachlorophenol	10.91	266	124	0.022	ng	# 20
71) Phenanthrene	11.12	178	4003	0.098	ng	96
72) Anthracene	11.12	178	4003	0.097	ng	96
73) Carbazole	11.32	167	973	0.027	ng	# 65
74) Di-n-butylphthalate	11.67	149	3200	0.075	ng	# 92

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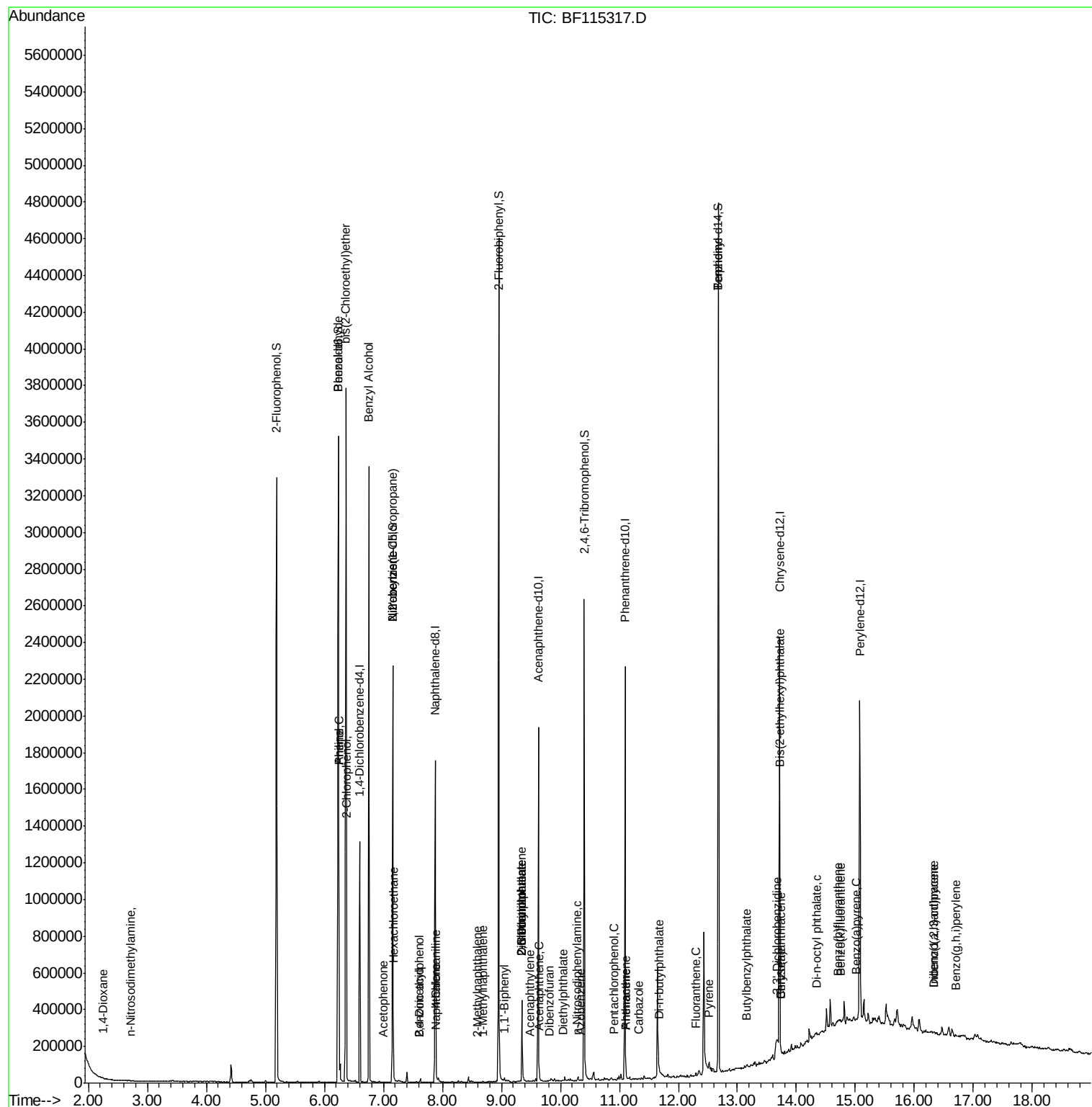
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
75) Fluoranthene	12.29	202	6567	0.162	ng	92
77) Benzidine	12.68	184	20611	0.676	ng	# 94
78) Pyrene	12.52	202	9049	0.172	ng	98
80) Butylbenzylphthalate	13.16	149	188	0.008	ng	# 27
81) Benzo(a)anthracene	13.74	228	13144	0.267	ng	# 77
82) 3,3'-Dichlorobenzidine	13.67	252	1157	0.065	ng	# 44
83) Chrysene	13.74	228	13144	0.291	ng	# 82
84) Bis(2-ethylhexyl)phthalate	13.72	149	4396	0.144	ng	# 87
85) Di-n-octyl phthalate	14.34	149	980	0.019	ng	# 59
86) Indeno(1,2,3-cd)pyrene	16.33	276	4048	0.076	ng	92
88) Benzo(b)fluoranthene	14.70	252	10061	0.222	ng	# 43
89) Benzo(k)fluoranthene	14.76	252	405	0.010	ng	# 1
90) Benzo(a)pyrene	15.02	252	4228	0.103	ng	# 21
91) Dibenzo(a,h)anthracene	16.34	278	1445	0.038	ng	# 1
92) Benzo(g,h,i)perylene	16.71	276	4443	0.115	ng	# 67

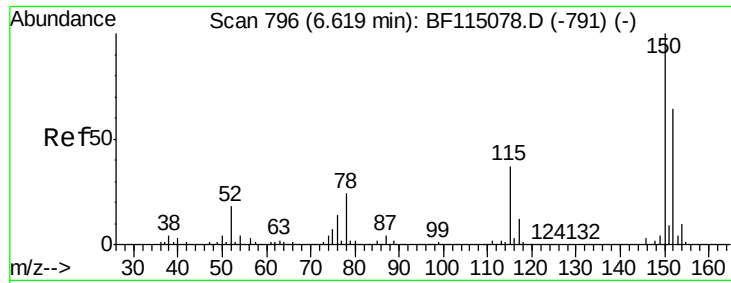
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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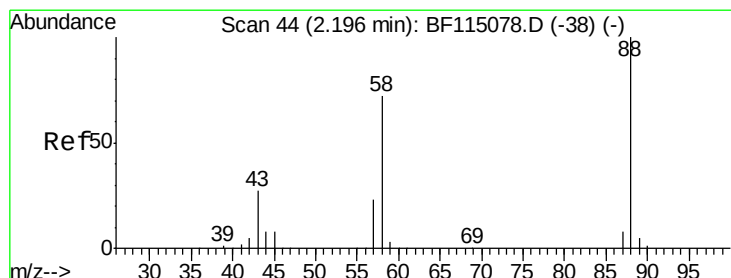
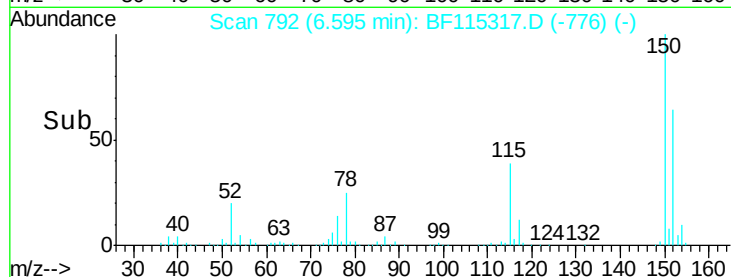
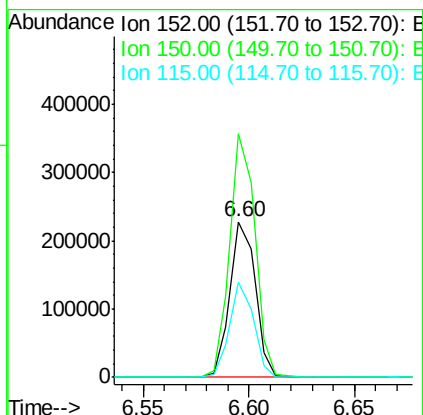
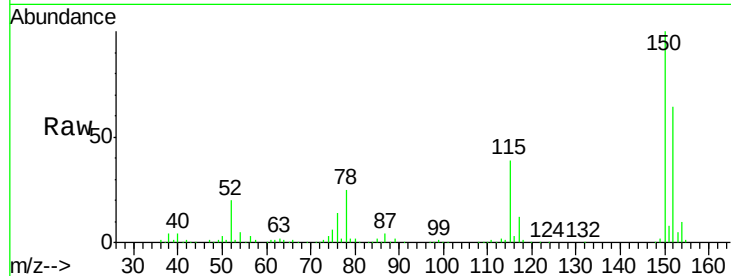


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.60 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF115317.D
Acq: 29 Jun 2019 12:38

Instrument :
BNA_F
ClientSampleId :
SAMPLE-17

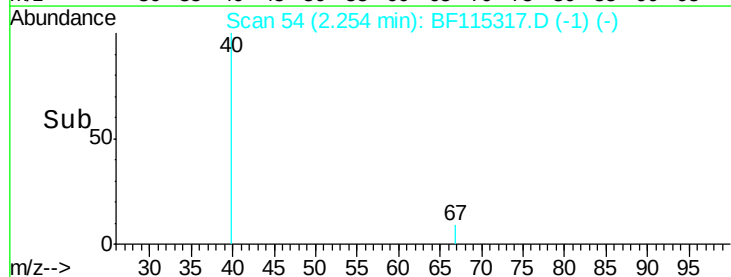
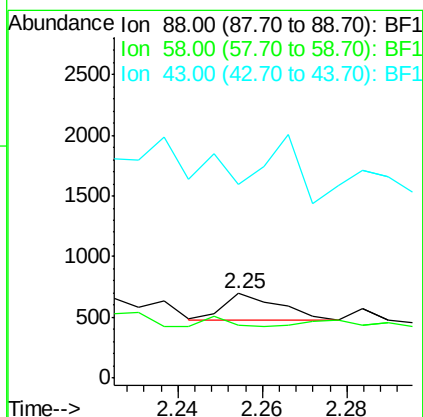
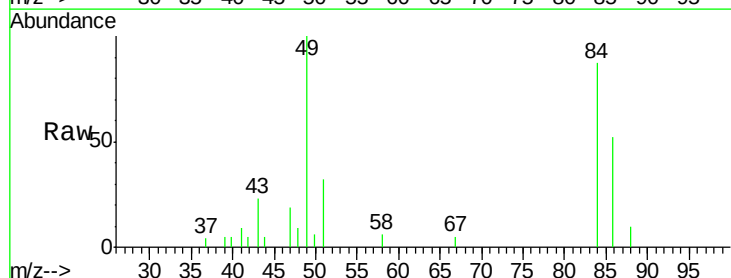
Tgt Ion: 152 Resp: 189836
Ion Ratio Lower Upper
152 100
150 156.6 124.2 186.2
115 61.1 46.1 69.1

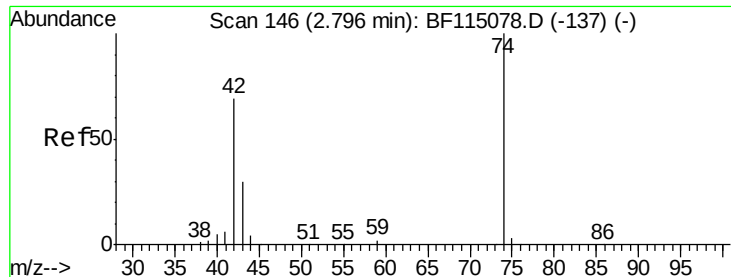


#2

1,4-Dioxane
Concen: 0.035 ng
RT: 2.25 min Scan# 54
Delta R.T. 0.10 min
Lab File: BF115317.D
Acq: 29 Jun 2019 12:38

Tgt Ion: 88 Resp: 201
Ion Ratio Lower Upper
88 100
58 0.0 56.1 84.1#
43 0.0 21.3 31.9#





#4

n-Nitrosodimethylamine

Concen: 0.017 ng

RT: 2.72 min Scan# 133

Delta R.T. -0.03 min

Lab File: BF115317.D

Acq: 29 Jun 2019 12:38

Instrument :

BNA_F

ClientSampleId :

SAMPLE-17

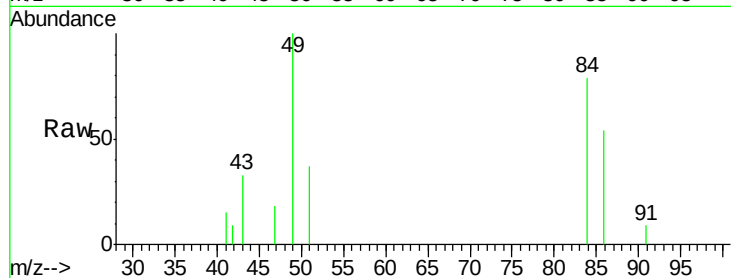
Tgt Ion: 42 Resp: 111

Ion Ratio Lower Upper

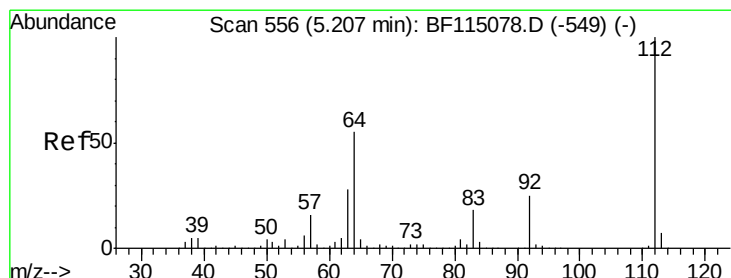
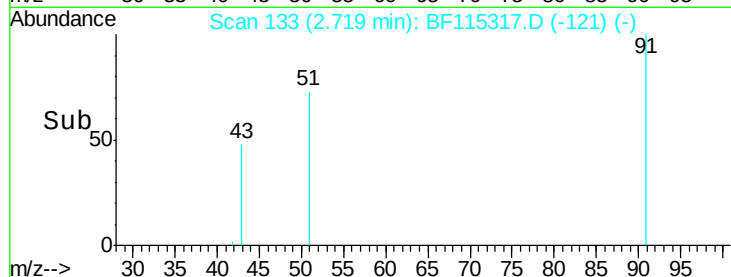
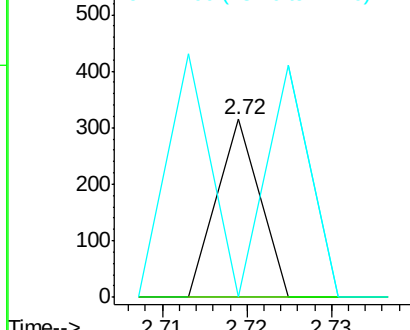
42 100

74 0.0 116.6 175.0#

44 0.0 5.3 7.9#



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: 79.150 ng

RT: 5.19 min Scan# 553

Delta R.T. -0.00 min

Lab File: BF115317.D

Acq: 29 Jun 2019 12:38

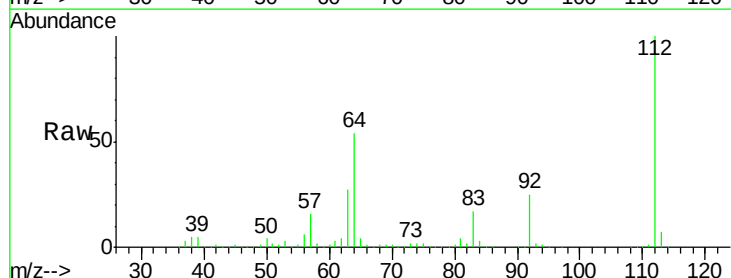
Tgt Ion: 112 Resp: 973678

Ion Ratio Lower Upper

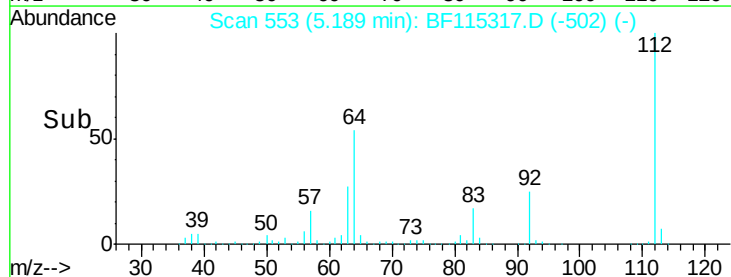
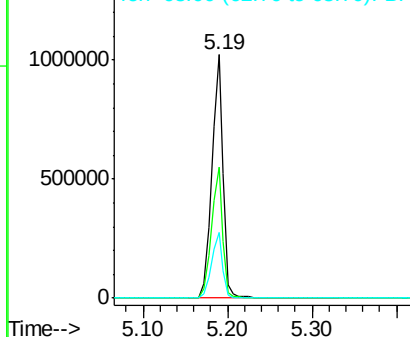
112 100

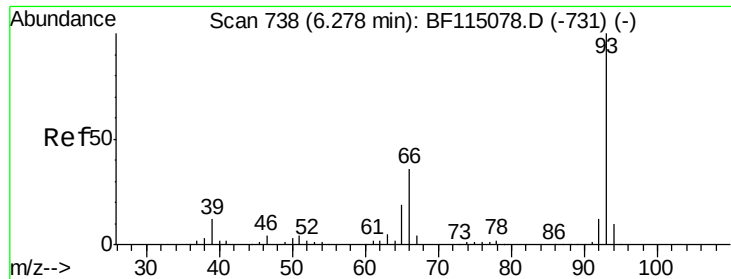
64 54.0 43.8 65.6

63 26.8 22.2 33.4



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





#6

Aniline

Concen: 0.017 ng

RT: 6.25 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF115317.D

Acq: 29 Jun 2019 12:38

Instrument :

BNA_F

ClientSampleId :

SAMPLE-17

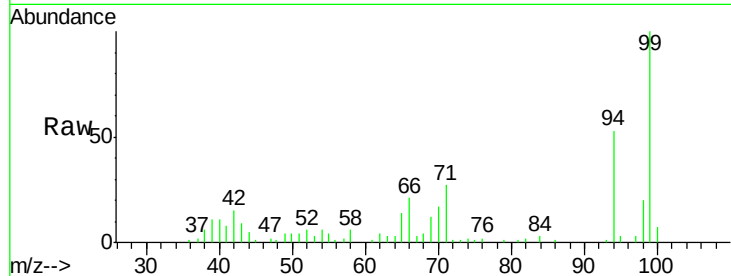
Tgt Ion: 93 Resp: 343

Ion Ratio Lower Upper

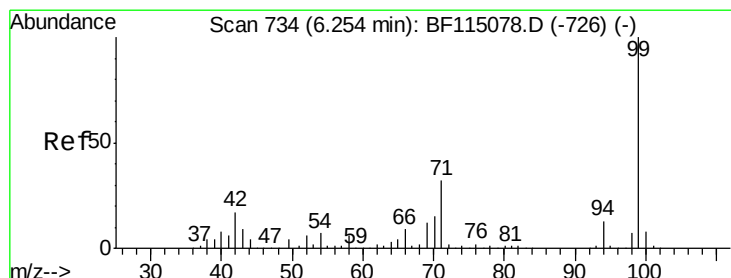
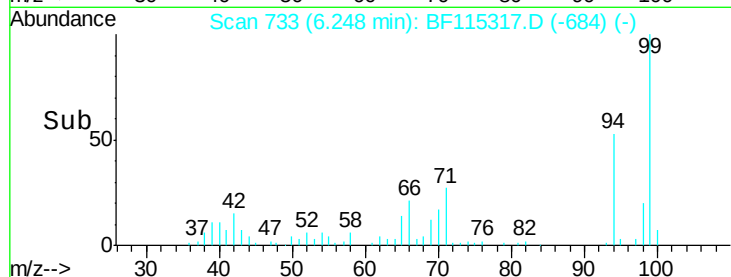
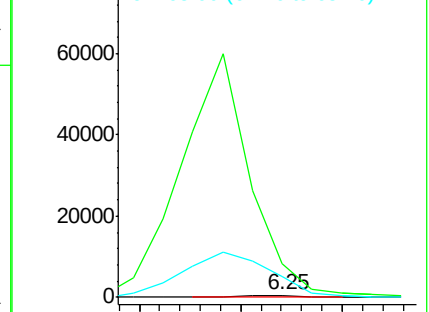
93 100

66 1470.5 30.0 45.0#

65 944.9 15.6 23.4#



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: 82.348 ng

RT: 6.24 min Scan# 731

Delta R.T. 0.00 min

Lab File: BF115317.D

Acq: 29 Jun 2019 12:38

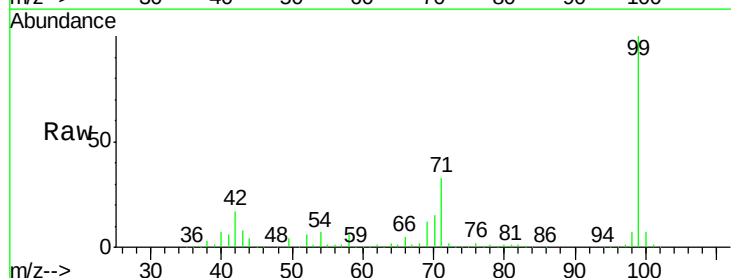
Tgt Ion: 99 Resp: 1229554

Ion Ratio Lower Upper

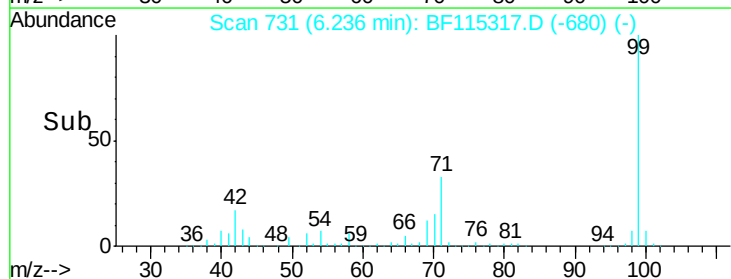
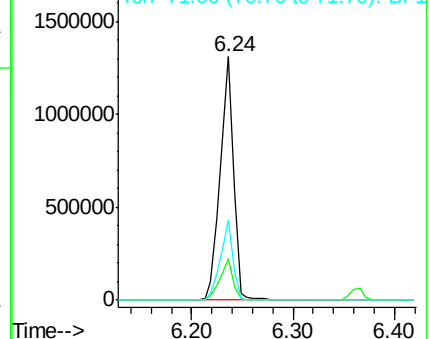
99 100

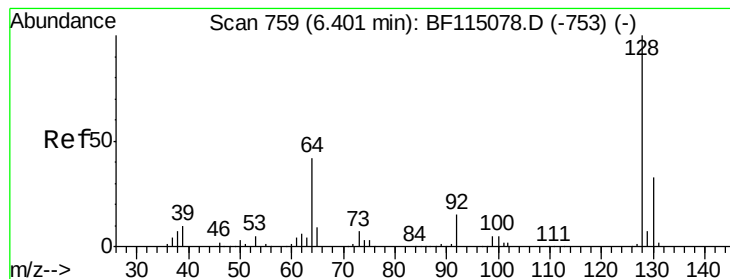
42 16.9 13.6 20.4

71 32.6 25.5 38.3



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: 0.011 ng

RT: 6.38 min Scan# 755

Delta R.T. -0.01 min

Lab File: BF115317.D

Acq: 29 Jun 2019 12:38

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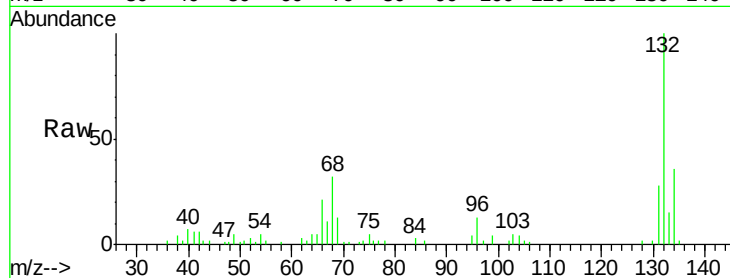
Tgt Ion:128 Resp: 159

Ion Ratio Lower Upper

128 100

130 114.4 12.9 52.9#

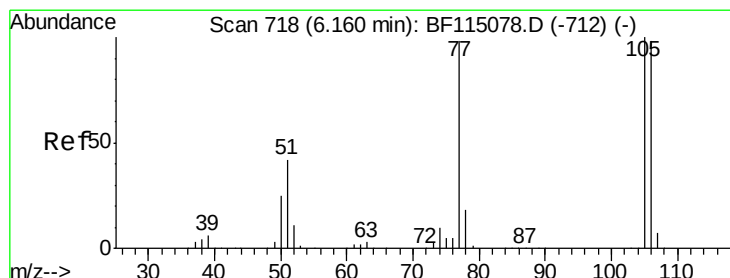
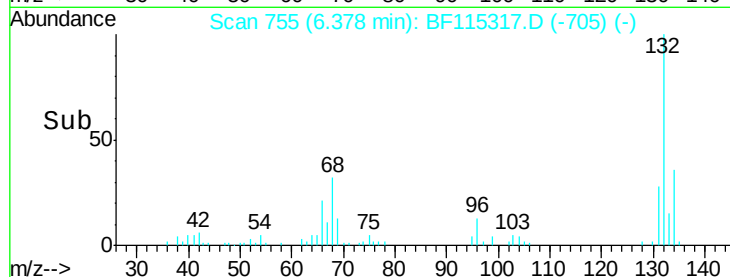
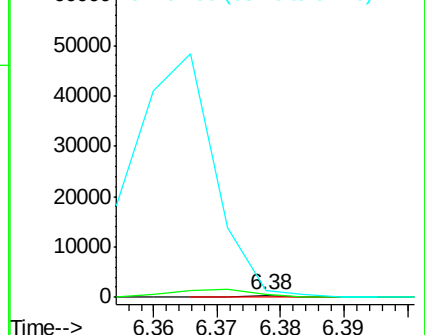
64 306.7 22.9 62.9#



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: 0.190 ng

RT: 6.24 min Scan# 731

Delta R.T. 0.09 min

Lab File: BF115317.D

Acq: 29 Jun 2019 12:38

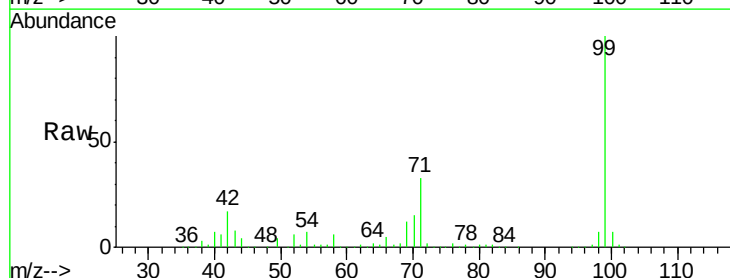
Tgt Ion: 77 Resp: 1849

Ion Ratio Lower Upper

77 100

105 0.0 81.5 121.5#

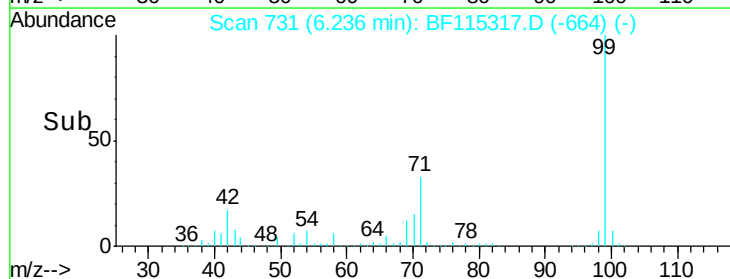
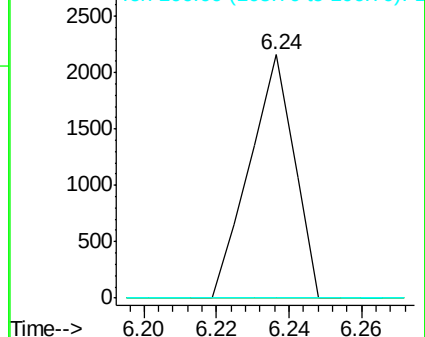
106 0.0 79.7 119.7#

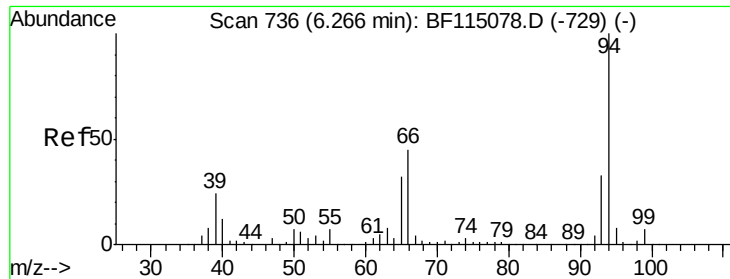


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 0.803 ng

RT: 6.25 min Scan# 733

Delta R.T. -0.01 min

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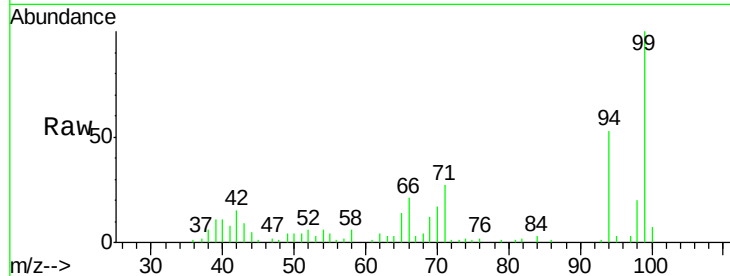
Tgt Ion: 94 Resp: 14051

Ion Ratio Lower Upper

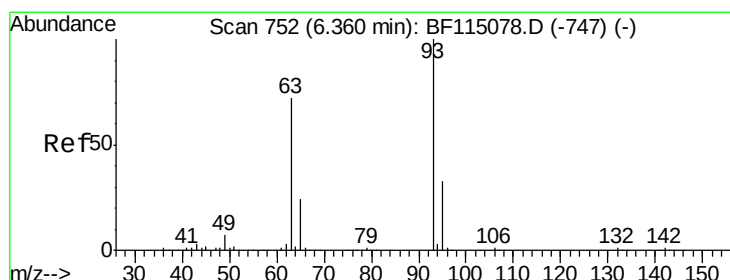
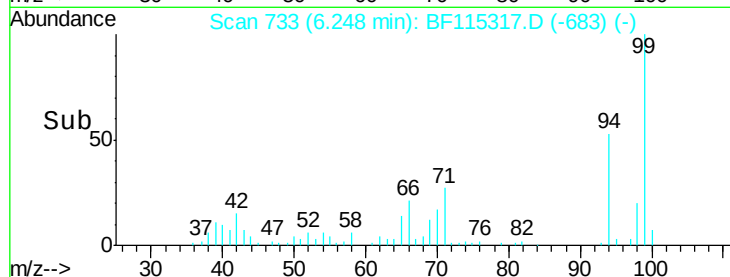
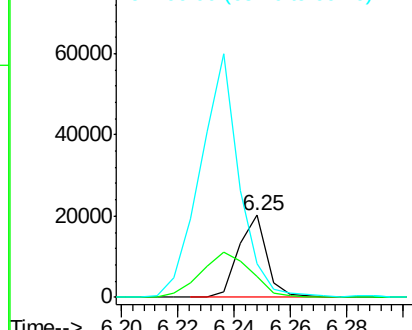
94 100

65 25.9 11.9 51.9

66 40.3 25.2 65.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1



#11

bis(2-Chloroethyl)ether

Concen: 0.104 ng

RT: 6.37 min Scan# 753

Delta R.T. 0.02 min

Lab File: BF115317.D

Acq: 29 Jun 2019 12:38

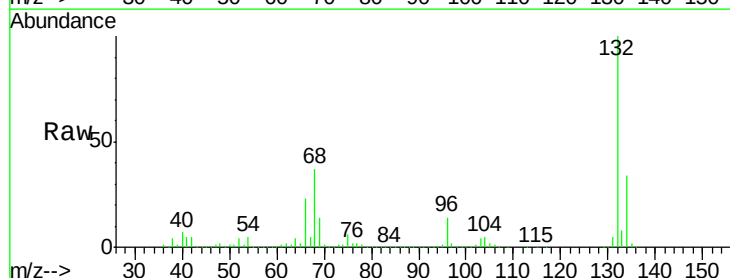
Tgt Ion: 93 Resp: 1339

Ion Ratio Lower Upper

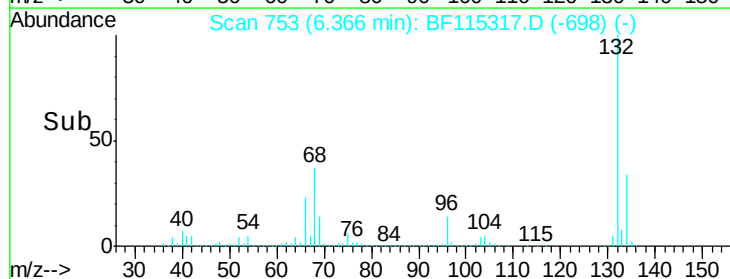
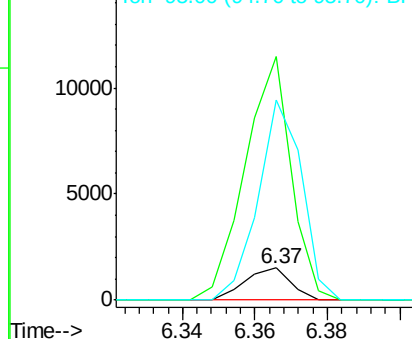
93 100

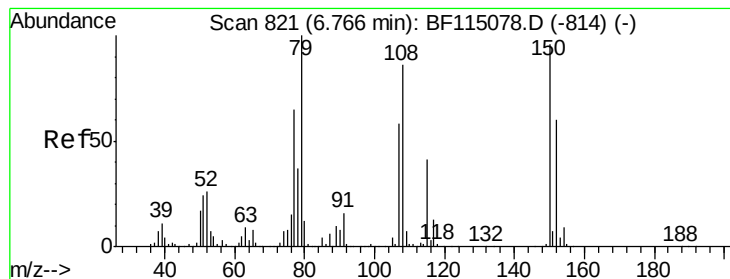
63 752.5 51.5 91.5#

95 618.6 13.4 53.4#



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 63.00 (62.70 to 63.70): BF1
Ion 95.00 (94.70 to 95.70): BF1





#15

Benzyl Alcohol

Concen: 1.075 ng

RT: 6.75 min Scan# 819

Delta R.T. 0.01 min

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ClientSampleId :

SAMPLE-17

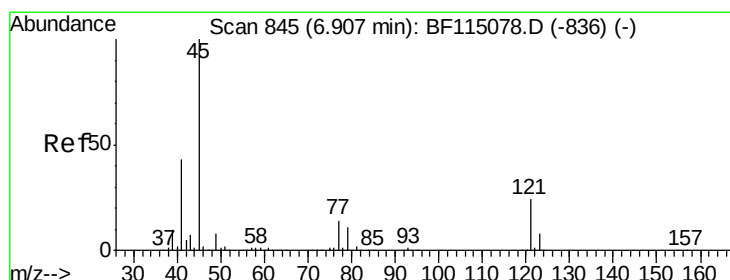
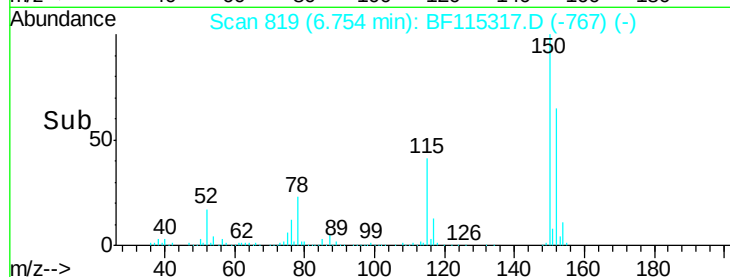
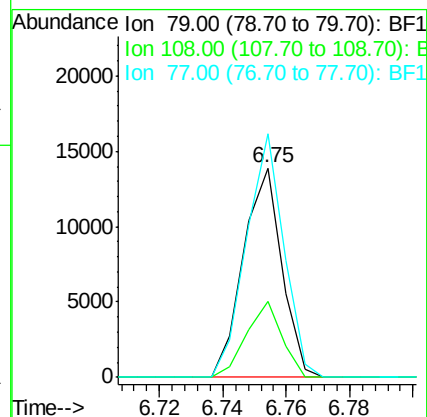
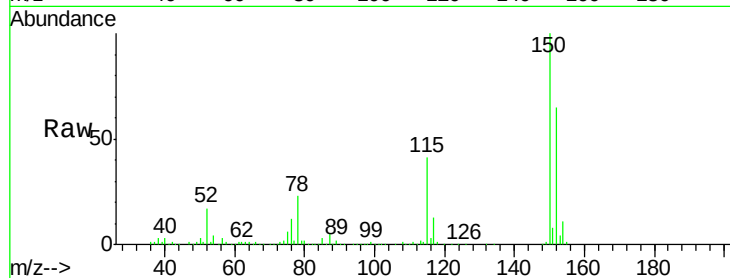
Tgt Ion: 79 Resp: 11693

Ion Ratio Lower Upper

79 100

108 36.4 68.7 103.1#

77 116.2 51.7 77.5#



#16

2,2'-oxybis(1-Chloropropane)

Concen: 0.006 ng

RT: 7.15 min Scan# 887

Delta R.T. 0.26 min

Lab File: BF115317.D

Acq: 29 Jun 2019 12:38

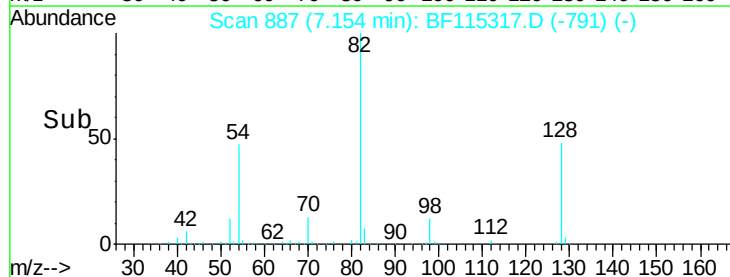
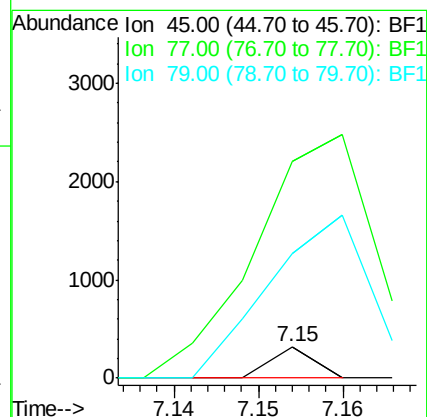
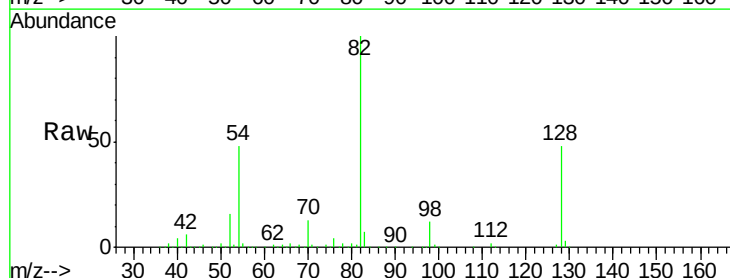
Tgt Ion: 45 Resp: 113

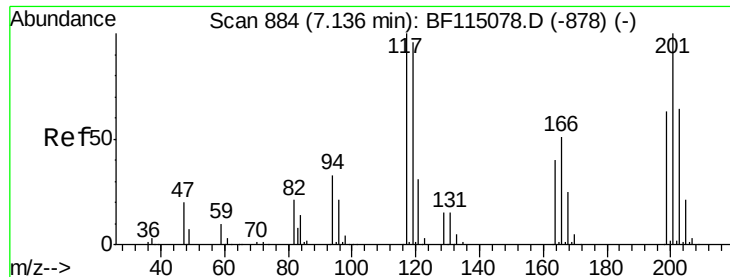
Ion Ratio Lower Upper

45 100

77 687.9 0.0 34.6#

79 394.4 0.0 31.2#

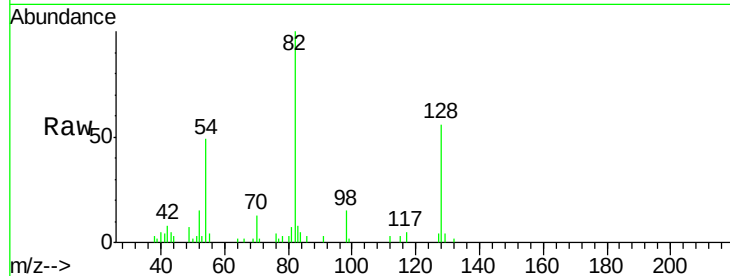




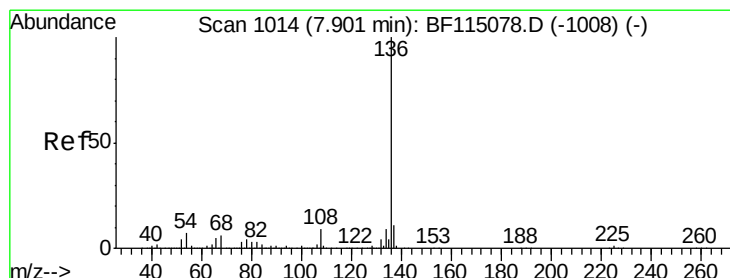
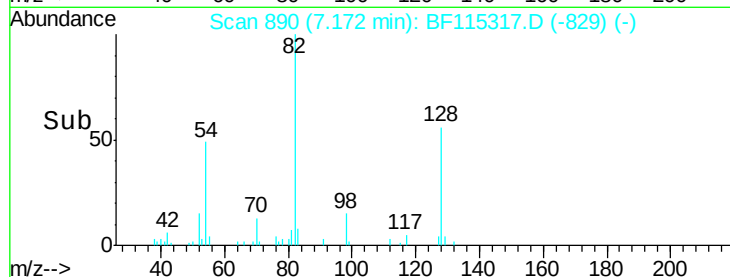
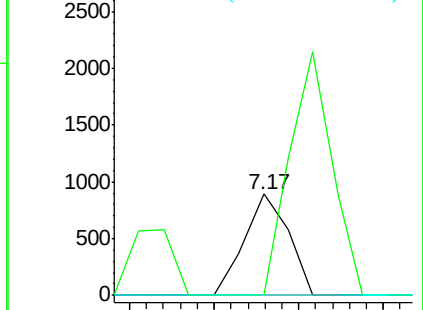
#18
Hexachloroethane
Concen: 0.117 ng
RT: 7.17 min Scan# 890
Delta R.T. 0.06 min
Lab File: BF115317.D
Acq: 29 Jun 2019 12:38

Instrument :
BNA_F
ClientSampleId :
SAMPLE-17

Tgt Ion:117 Resp: 648
Ion Ratio Lower Upper
117 100
119 0.0 76.6 114.8#
201 0.0 80.2 120.2#

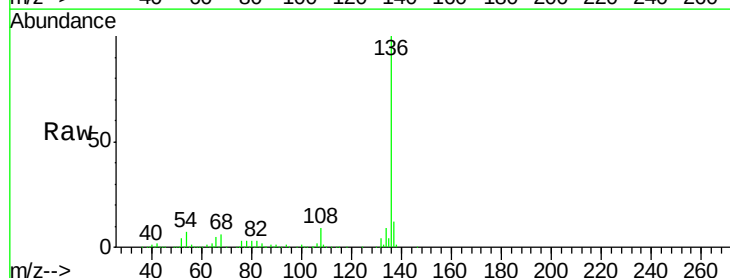


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

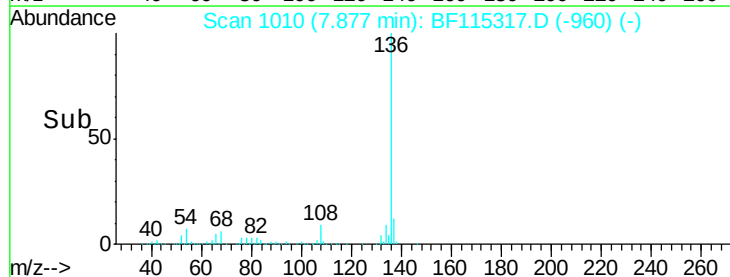
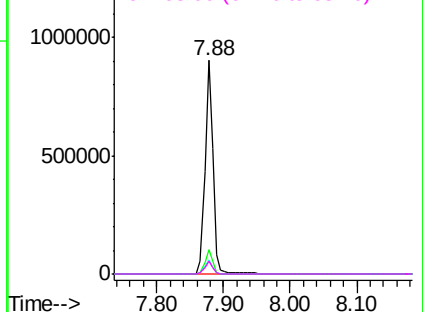


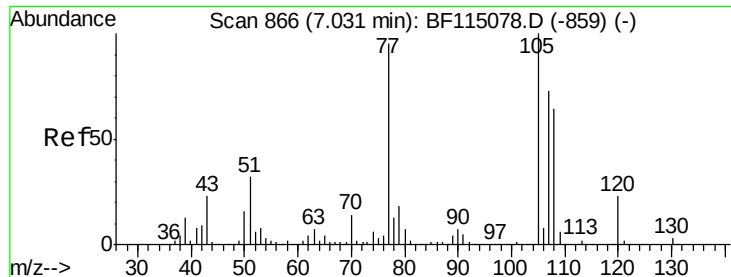
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.88 min Scan# 1010
Delta R.T. -0.01 min
Lab File: BF115317.D
Acq: 29 Jun 2019 12:38

Tgt Ion:136 Resp: 744052
Ion Ratio Lower Upper
136 100
137 11.5 8.9 13.3
54 6.7 5.6 8.4
68 5.8 4.8 7.2



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: 0.023 ng

RT: 7.00 min Scan# 861

Delta R.T. -0.01 min

Lab File: BF115317.D

Acq: 29 Jun 2019 12:38

Instrument :

BNA_F

ClientSampleId :

SAMPLE-17

Tgt Ion: 105 Resp: 385

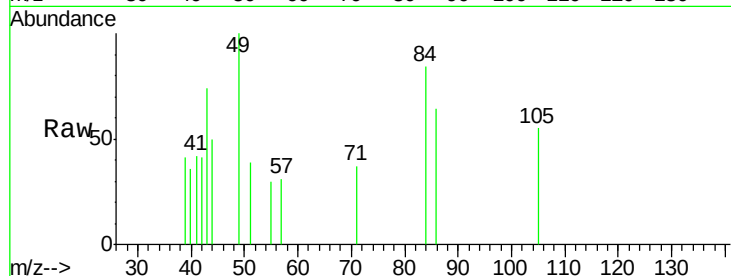
Ion Ratio Lower Upper

105 100

71 68.0 1.9 2.9#

51 70.9 25.8 38.8#

120 0.0 18.5 27.7#

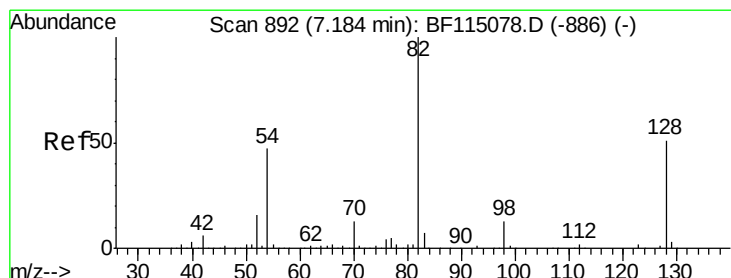
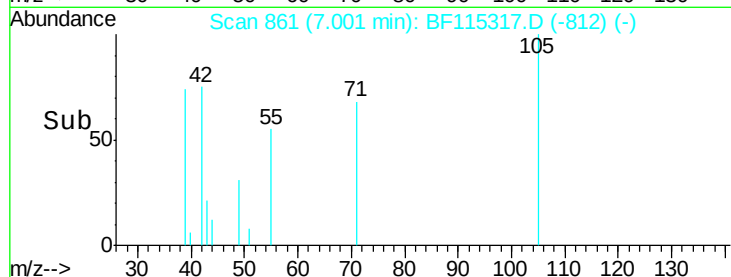
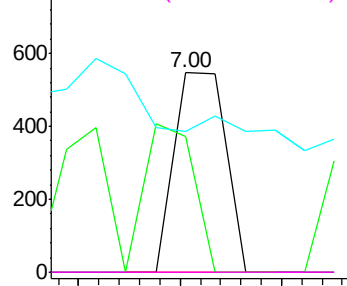


Abundance Ion 105.00 (104.70 to 105.70): E

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: 59.819 ng

RT: 7.16 min Scan# 888

Delta R.T. -0.01 min

Lab File: BF115317.D

Acq: 29 Jun 2019 12:38

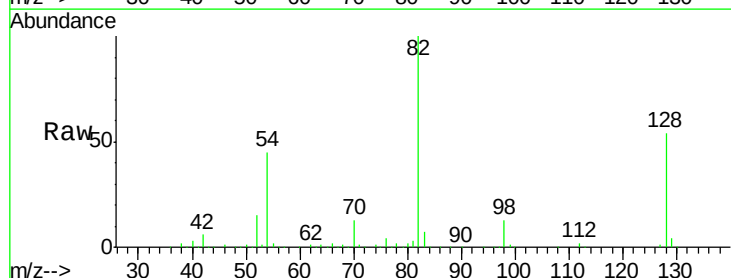
Tgt Ion: 82 Resp: 723528

Ion Ratio Lower Upper

82 100

128 54.0 40.4 60.6

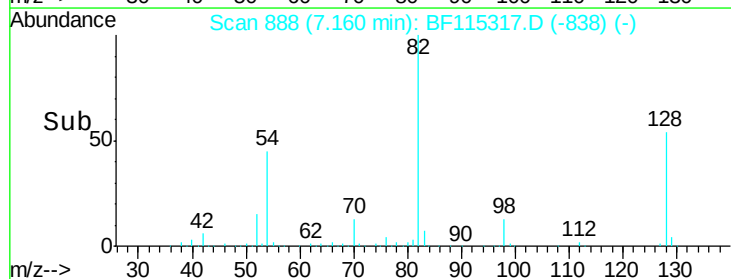
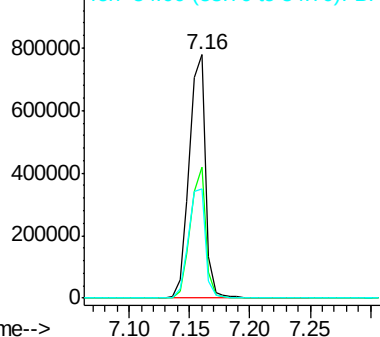
54 44.8 37.5 56.3

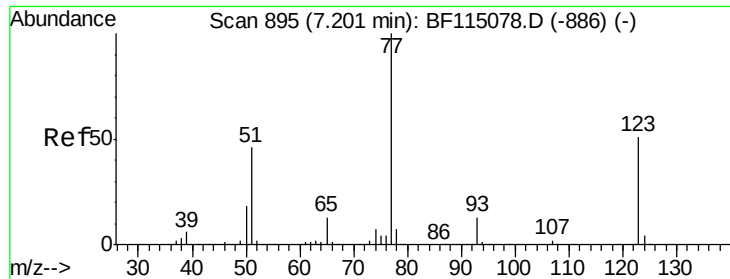


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#24

Nitrobenzene

Concen: 0.191 ng

RT: 7.16 min Scan# 888

Delta R.T. -0.02 min

Lab File: BF115317.D

Acq: 29 Jun 2019 12:38

Instrument :

BNA_F

ClientSampleId :

SAMPLE-17

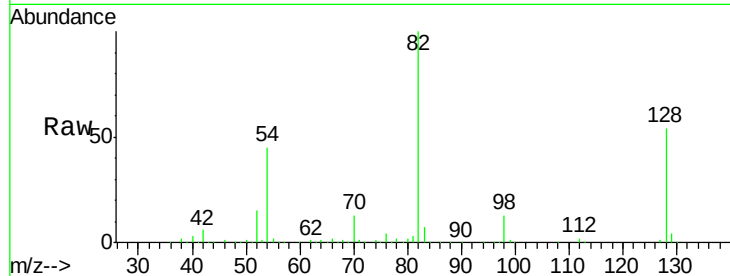
Tgt Ion: 77 Resp: 2549

Ion Ratio Lower Upper

77 100

123 0.0 41.0 61.6#

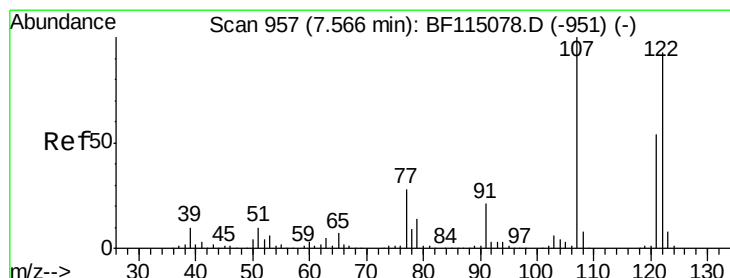
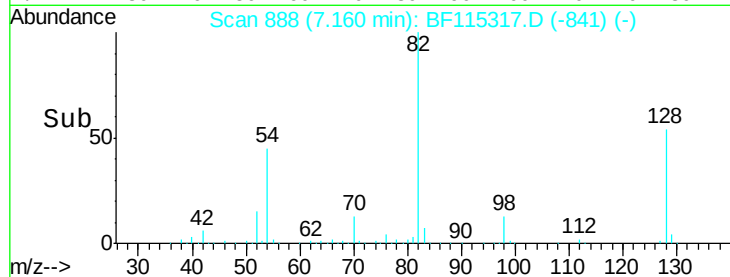
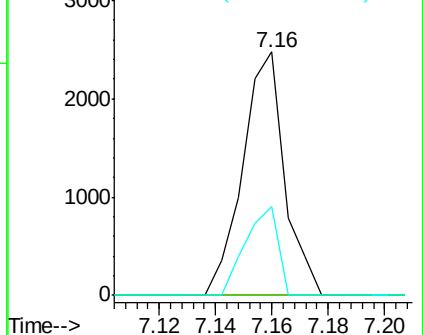
65 36.6 10.5 15.7#



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 123.00 (122.70 to 123.70): E

Ion 65.00 (64.70 to 65.70): BF1



#27

2,4-Dimethylphenol

Concen: 0.079 ng

RT: 7.60 min Scan# 963

Delta R.T. 0.05 min

Lab File: BF115317.D

Acq: 29 Jun 2019 12:38

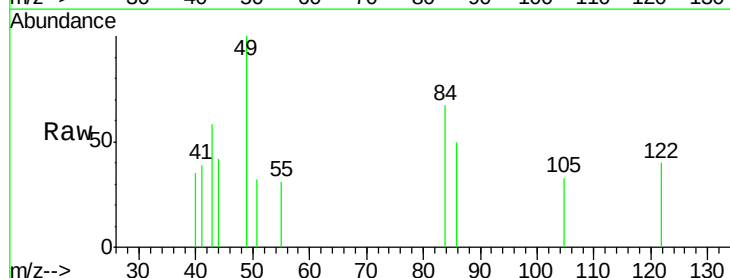
Tgt Ion: 122 Resp: 847

Ion Ratio Lower Upper

122 100

107 0.0 85.8 128.6#

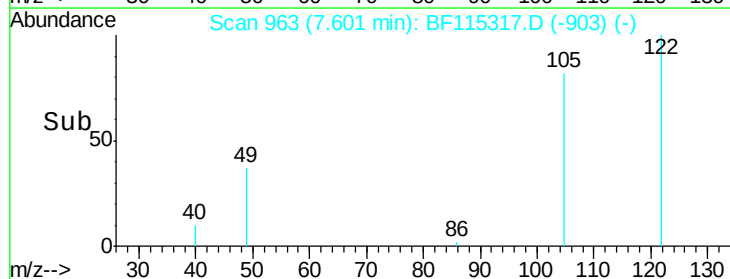
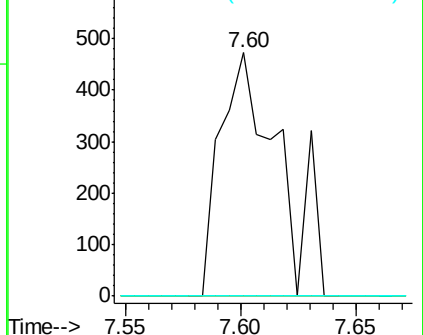
121 0.0 46.3 69.5#

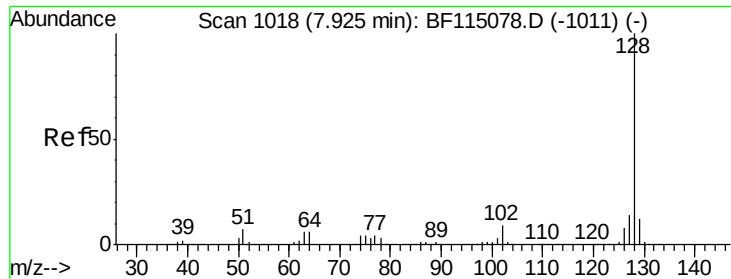


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

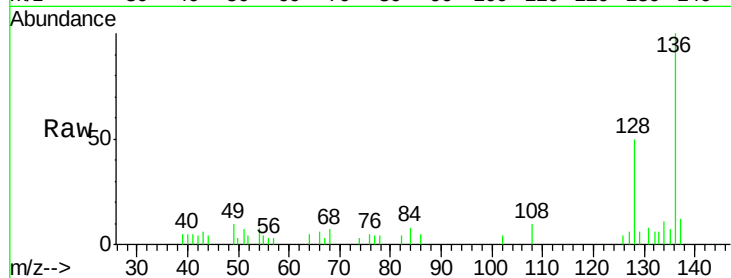




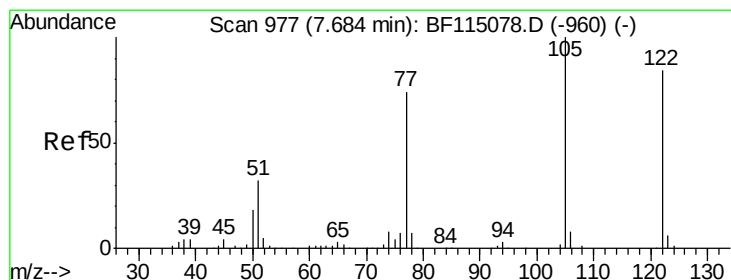
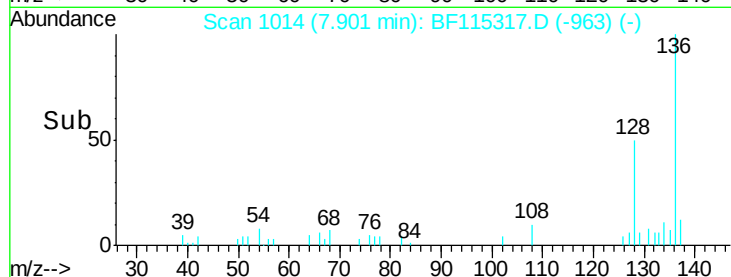
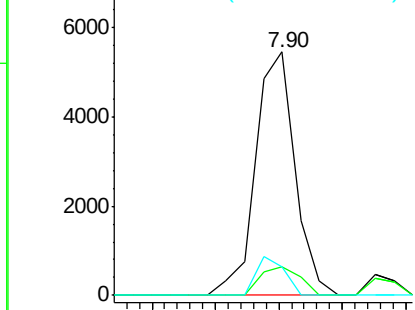
#31
Naphthalene
Concen: 0.129 ng
RT: 7.90 min Scan# 1014
Delta R.T. -0.00 min
Lab File: BF115317.D
Acq: 29 Jun 2019 12:38

Instrument :
BNA_F
ClientSampleId :
SAMPLE-17

Tgt Ion:128 Resp: 4716
Ion Ratio Lower Upper
128 100
129 12.0 9.6 14.4
127 11.7 11.4 17.0

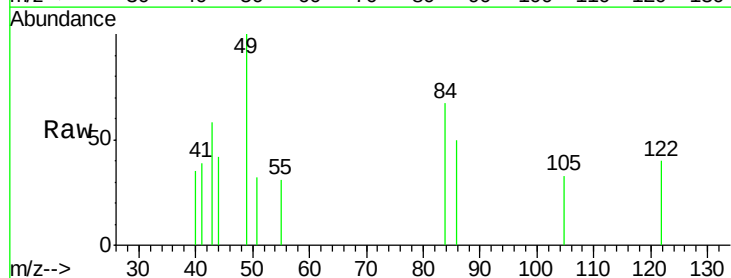


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

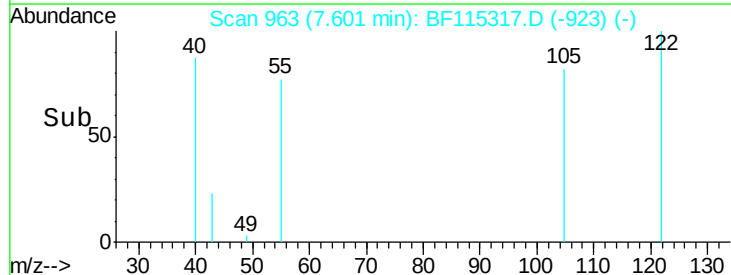
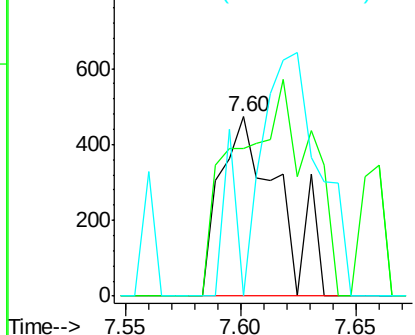


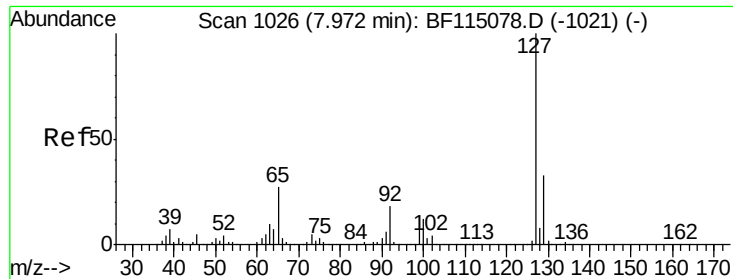
#32
Benzoic acid
Concen: 0.110 ng
RT: 7.60 min Scan# 963
Delta R.T. -0.06 min
Lab File: BF115317.D
Acq: 29 Jun 2019 12:38

Tgt Ion:122 Resp: 847
Ion Ratio Lower Upper
122 100
105 82.2 98.2 138.2#
77 0.0 67.0 107.0#



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

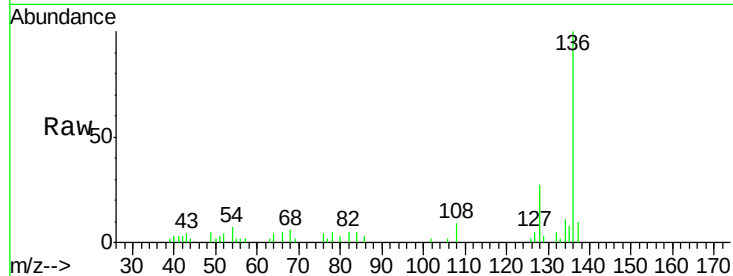




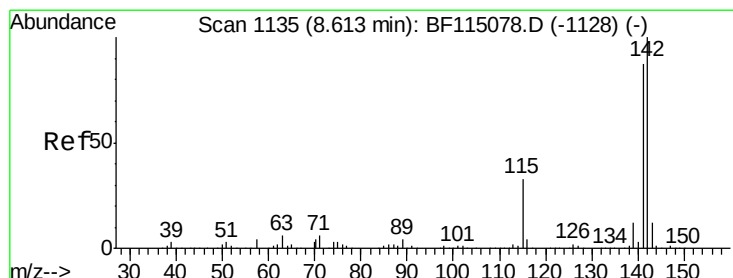
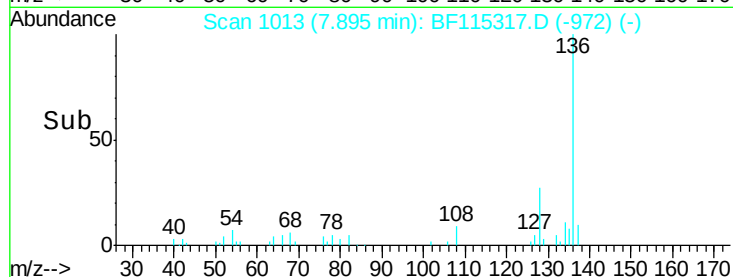
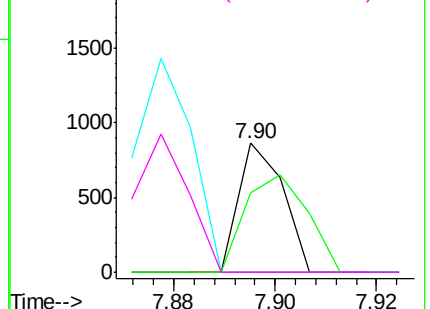
#33
4-Chloroaniline
Concen: 0.032 ng
RT: 7.90 min Scan# 1013
Delta R.T. -0.06 min
Lab File: BF115317.D
Acq: 29 Jun 2019 12:38

Instrument :
BNA_F
ClientSampleId :
SAMPLE-17

Tgt Ion:	127	Resp:	529
Ion	Ratio	Lower	Upper
127	100		
129	61.3	26.1	39.1#
65	0.0	21.4	32.2#
92	0.0	14.1	21.1#

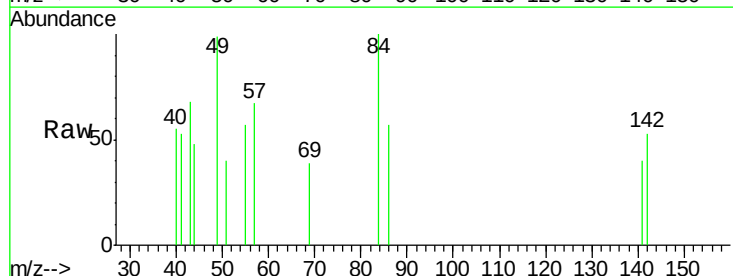


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

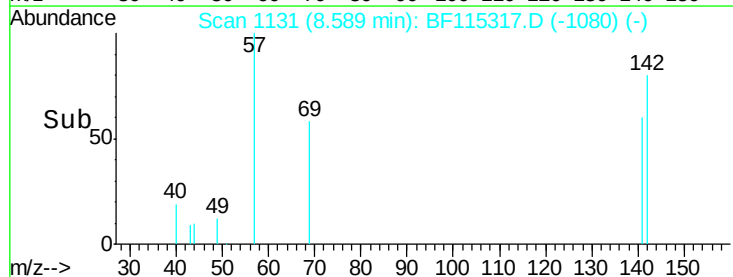
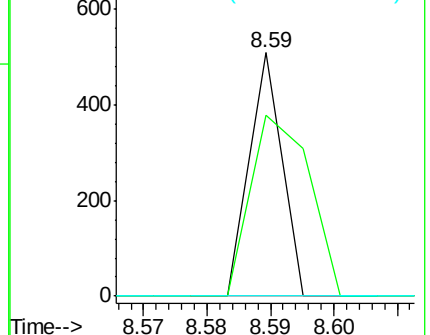


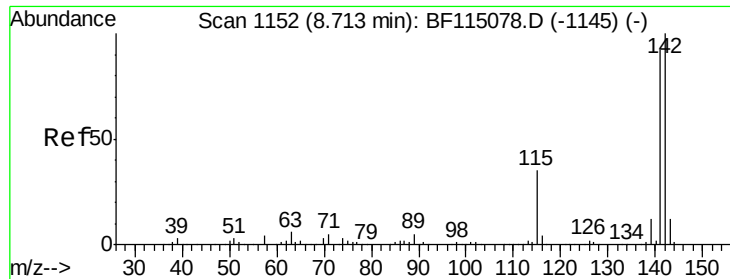
#37
2-Methylnaphthalene
Concen: 0.007 ng
RT: 8.59 min Scan# 1131
Delta R.T. -0.00 min
Lab File: BF115317.D
Acq: 29 Jun 2019 12:38

Tgt Ion:	142	Resp:	180
Ion	Ratio	Lower	Upper
142	100		
141	74.5	69.8	104.6
115	0.0	26.7	40.1#



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

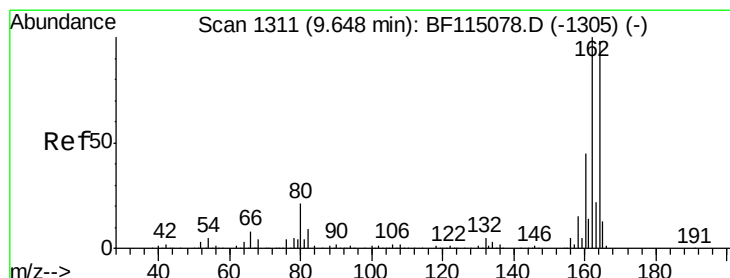
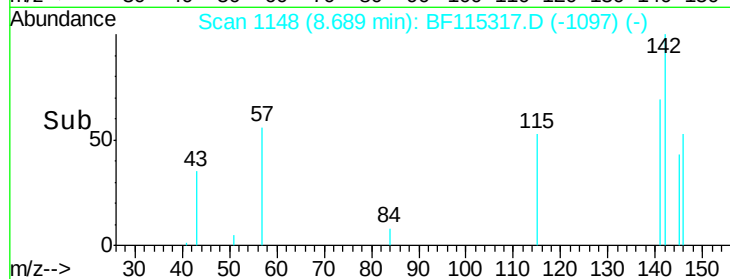
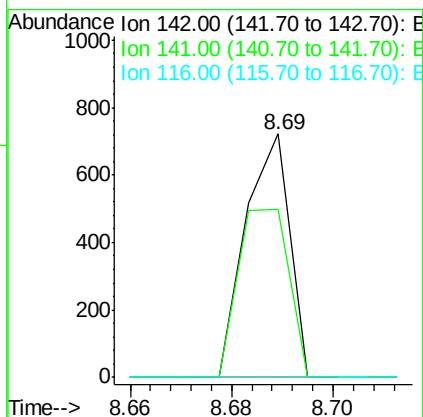
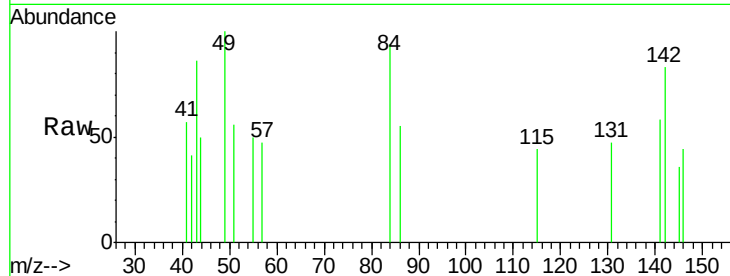




#38
1-Methylnaphthalene
Concen: 0.019 ng
RT: 8.69 min Scan# 1148
Delta R.T. 0.00 min
Lab File: BF115317.D
Acq: 29 Jun 2019 12:38

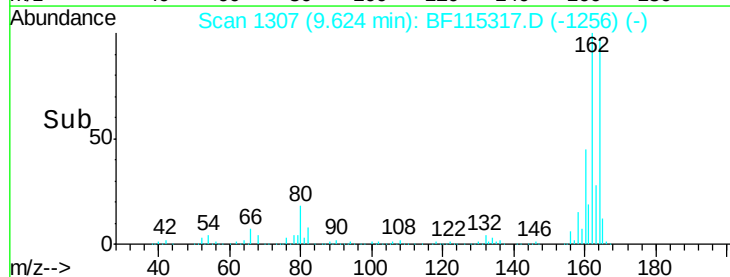
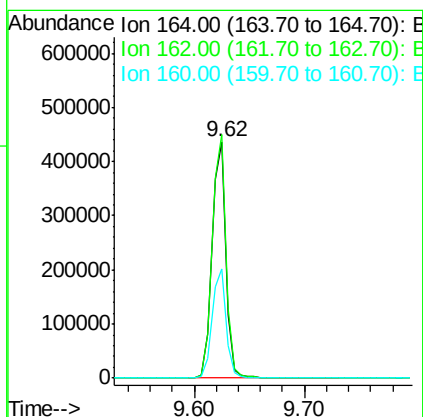
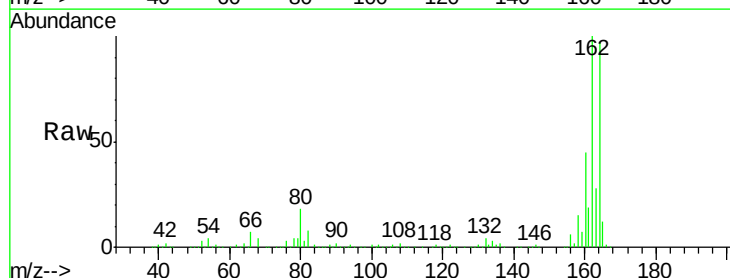
Instrument :
BNA_F
ClientSampleId :
SAMPLE-17

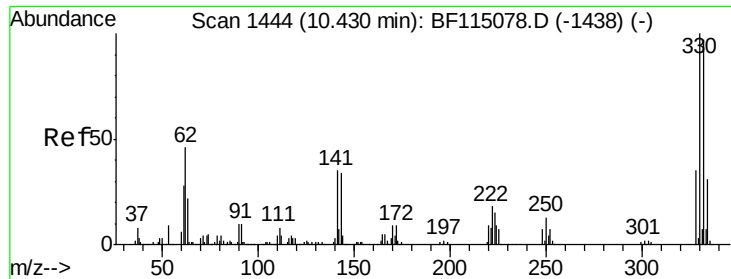
Tgt Ion:142 Resp: 438
Ion Ratio Lower Upper
142 100
141 69.0 73.8 110.8#
116 0.0 2.8 4.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.62 min Scan# 1307
Delta R.T. 0.00 min
Lab File: BF115317.D
Acq: 29 Jun 2019 12:38

Tgt Ion:164 Resp: 368182
Ion Ratio Lower Upper
164 100
162 103.1 81.7 122.5
160 46.3 37.0 55.4

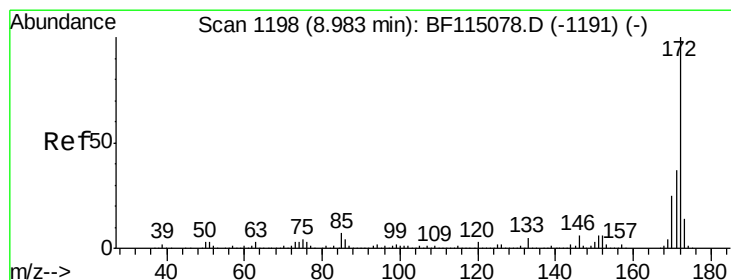
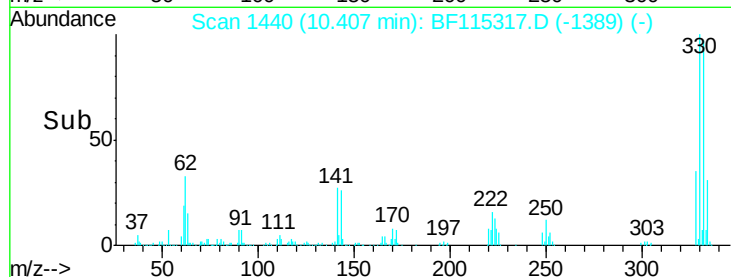
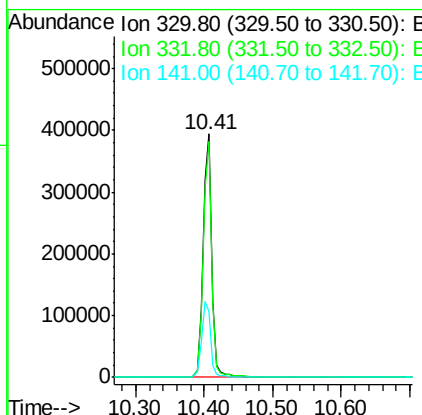
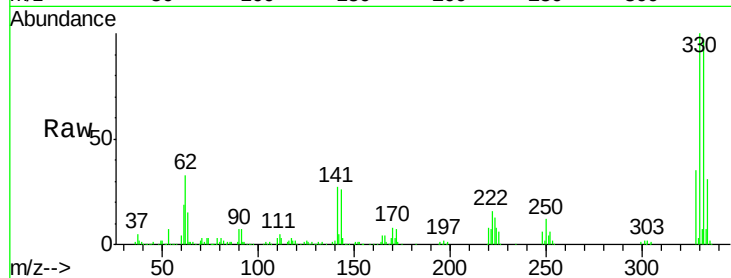




#42
 2,4,6-Tribromophenol
 Concen: 92.579 ng
 RT: 10.41 min Scan# 1440
 Delta R.T. -0.00 min
 Lab File: BF115317.D
 Acq: 29 Jun 2019 12:38

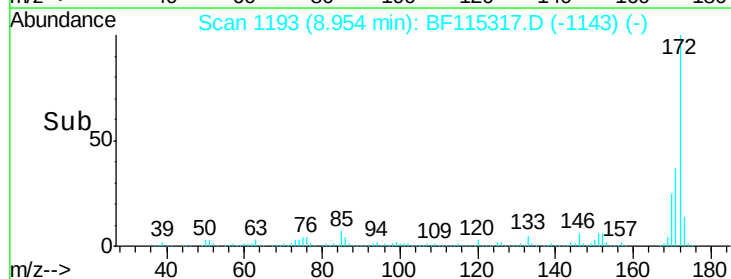
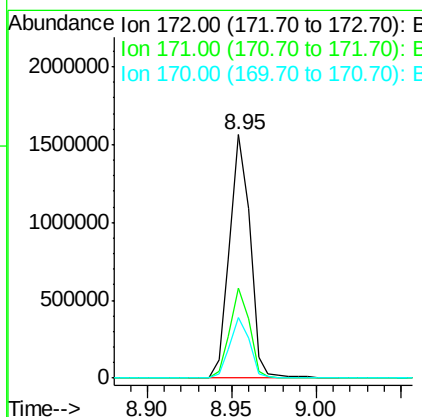
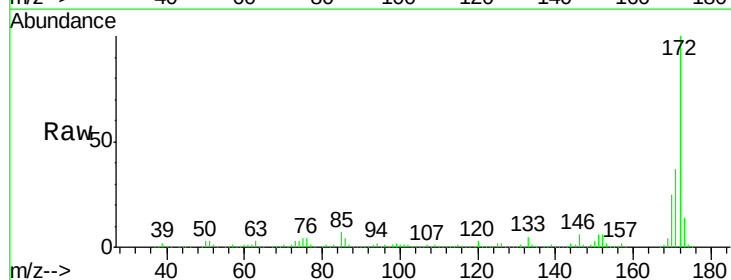
Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-17

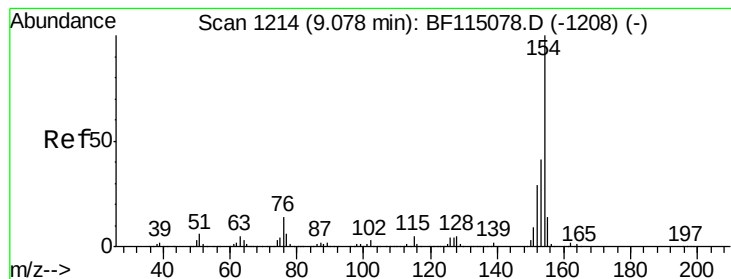
Tgt Ion:330 Resp: 359448
 Ion Ratio Lower Upper
 330 100
 332 95.6 77.3 115.9
 141 32.6 28.2 42.2



#45
 2-Fluorobiphenyl
 Concen: 61.298 ng
 RT: 8.95 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF115317.D
 Acq: 29 Jun 2019 12:38

Tgt Ion:172 Resp: 1328653
 Ion Ratio Lower Upper
 172 100
 171 36.9 29.8 44.6
 170 24.8 20.3 30.5





#46

1,1'-Biphenyl

Concen: 0.082 ng

RT: 9.05 min Scan# 1210

Delta R.T. -0.01 min

Lab File: BF115317.D

Acq: 29 Jun 2019 12:38

Instrument :

BNA_F

ClientSampleId :

SAMPLE-17

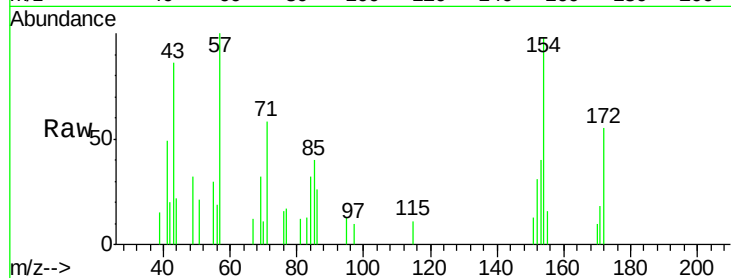
Tgt Ion:154 Resp: 2421

Ion Ratio Lower Upper

154 100

153 40.9 20.9 60.9

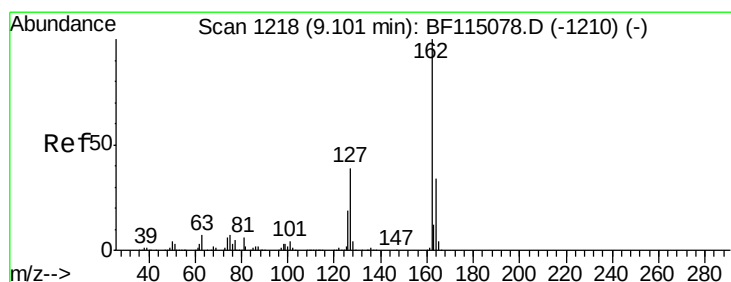
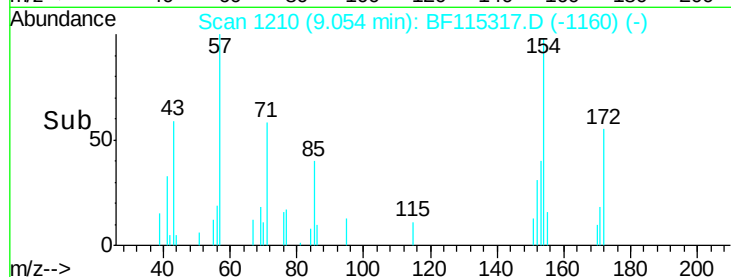
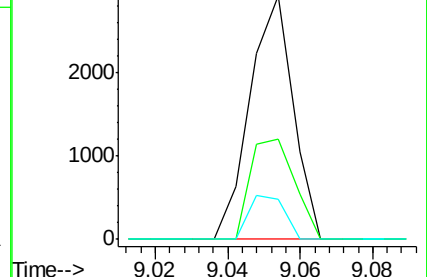
76 16.2 0.0 34.1



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1



#47

2-Chloronaphthalene

Concen: 0.040 ng

RT: 9.35 min Scan# 1260

Delta R.T. 0.27 min

Lab File: BF115317.D

Acq: 29 Jun 2019 12:38

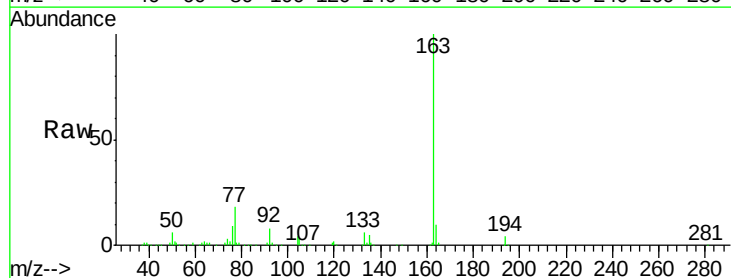
Tgt Ion:162 Resp: 952

Ion Ratio Lower Upper

162 100

127 0.0 30.8 46.2#

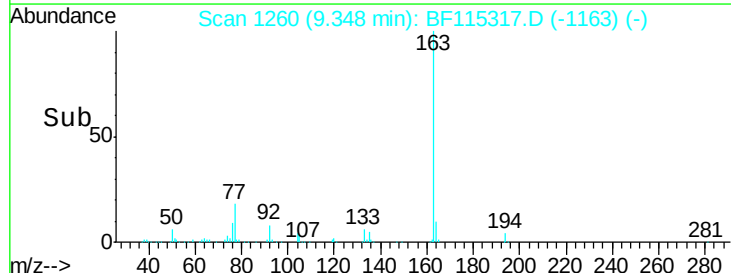
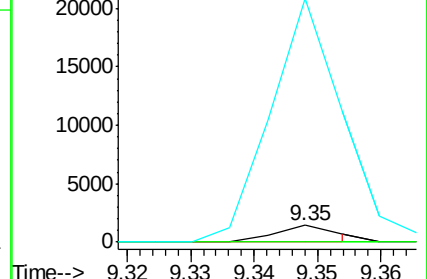
164 1437.2 27.0 40.4#

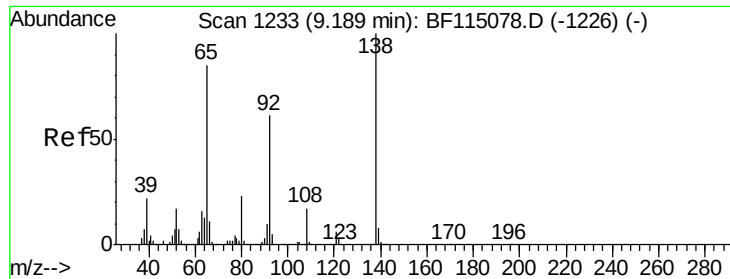


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

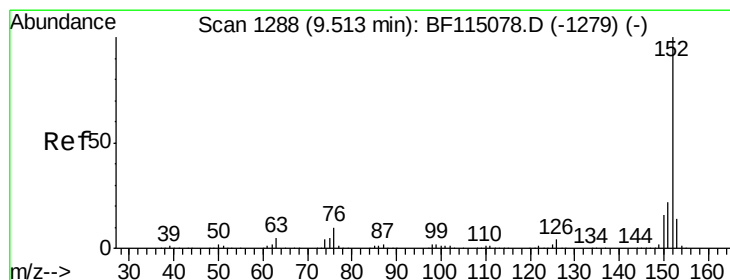
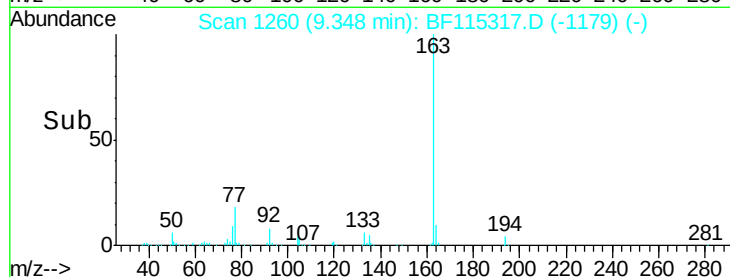
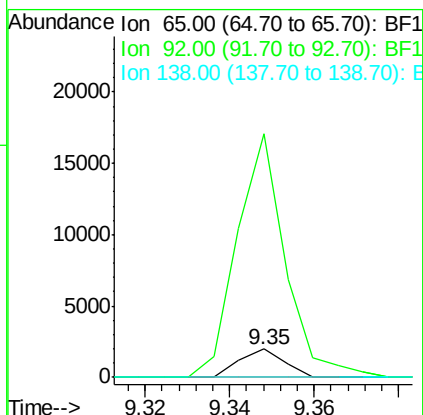
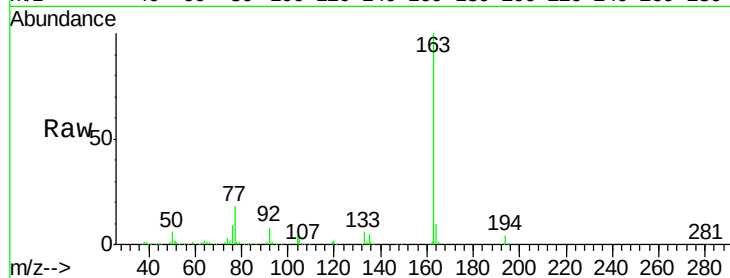




#48
2-Nitroaniline
Concen: 0.207 ng
RT: 9.35 min Scan# 1260
Delta R.T. 0.18 min
Lab File: BF115317.D
Acq: 29 Jun 2019 12:38

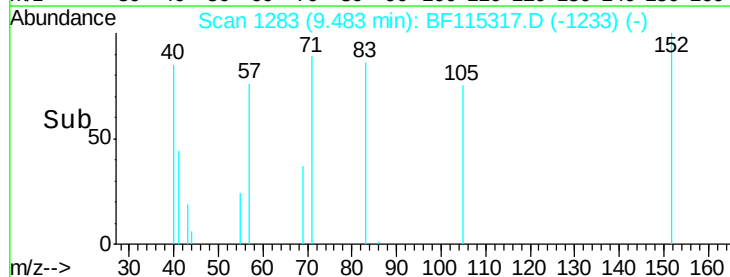
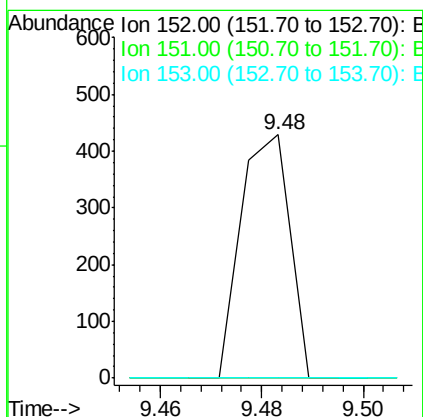
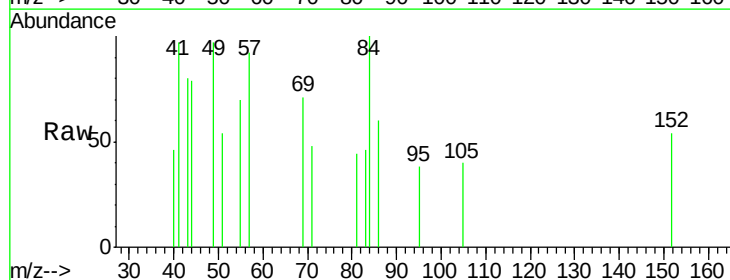
Instrument :
BNA_F
ClientSampleId :
SAMPLE-17

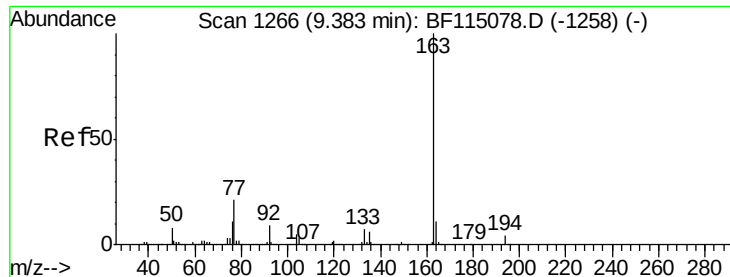
Tgt Ion: 65 Resp: 1442
Ion Ratio Lower Upper
65 100
92 862.7 57.4 86.2#
138 0.0 94.1 141.1#



#49
Acenaphthylene
Concen: 0.008 ng
RT: 9.48 min Scan# 1283
Delta R.T. -0.01 min
Lab File: BF115317.D
Acq: 29 Jun 2019 12:38

Tgt Ion: 152 Resp: 287
Ion Ratio Lower Upper
152 100
151 0.0 17.2 25.8#
153 0.0 11.0 16.6#

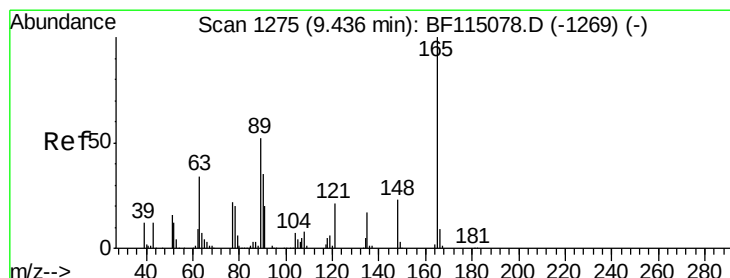
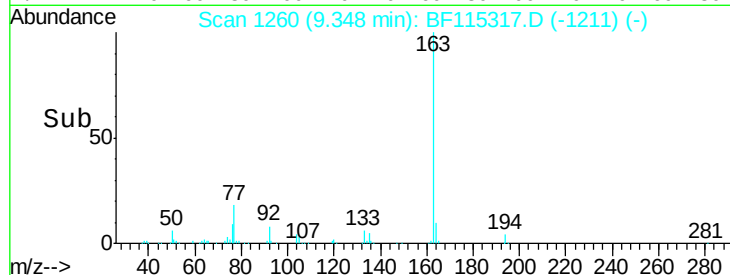
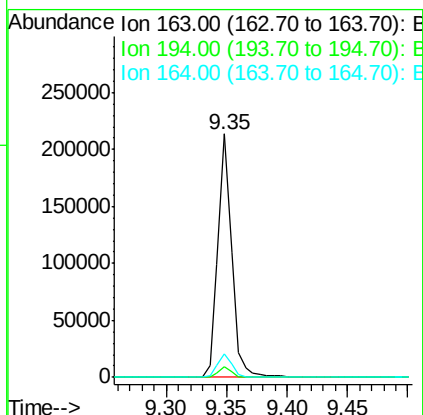
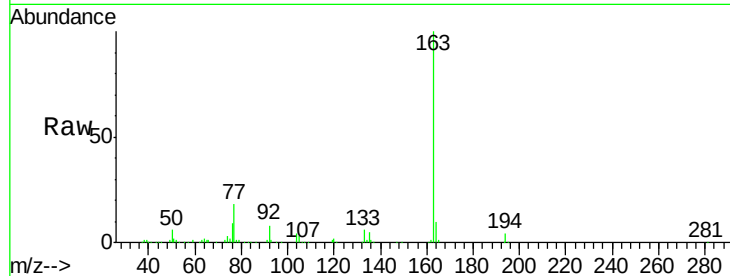




#50
Dimethylphthalate
Concen: 6.228 ng
RT: 9.35 min Scan# 1260
Delta R.T. -0.01 min
Lab File: BF115317.D
Acq: 29 Jun 2019 12:38

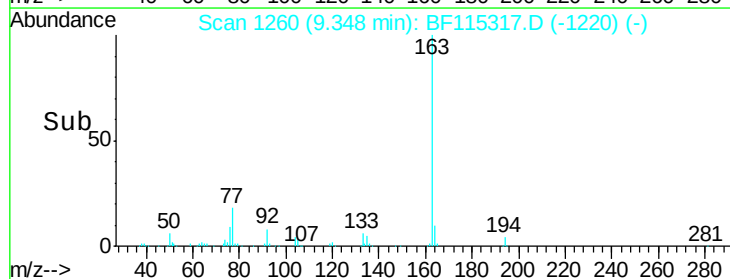
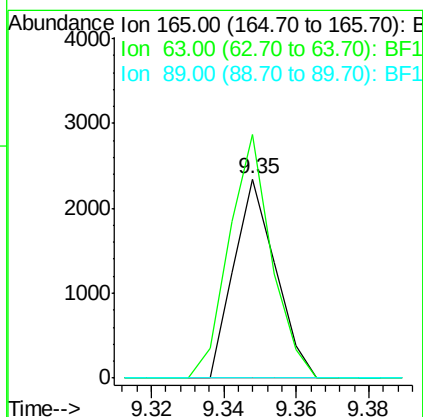
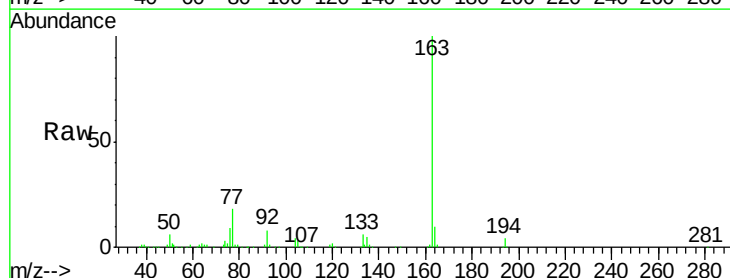
Instrument :
BNA_F
ClientSampleId :
SAMPLE-17

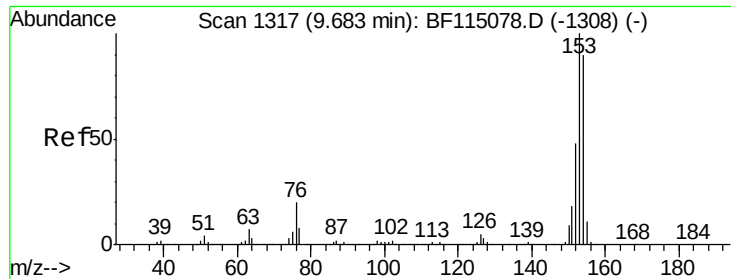
Tgt Ion:163 Resp: 168709
Ion Ratio Lower Upper
163 100
194 4.3 3.2 4.8
164 9.8 8.6 13.0



#51
2,6-Dinitrotoluene
Concen: 0.301 ng
RT: 9.35 min Scan# 1260
Delta R.T. -0.06 min
Lab File: BF115317.D
Acq: 29 Jun 2019 12:38

Tgt Ion:165 Resp: 1885
Ion Ratio Lower Upper
165 100
63 122.4 39.4 59.2#
89 0.0 42.0 63.0#





#52

Acenaphthene

Concen: 0.006 ng

RT: 9.65 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BF115317.D

Acq: 29 Jun 2019 12:38

Instrument :

BNA_F

ClientSampleId :

SAMPLE-17

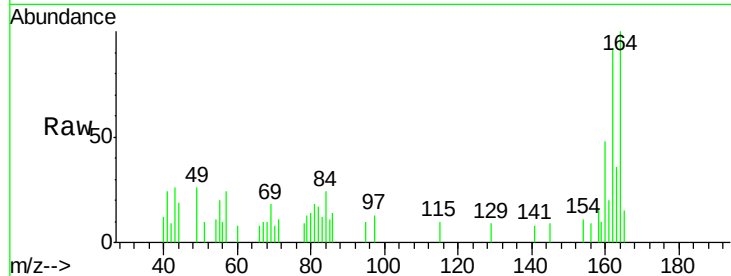
Tgt Ion:154 Resp: 146

Ion Ratio Lower Upper

154 100

153 0.0 88.7 133.1#

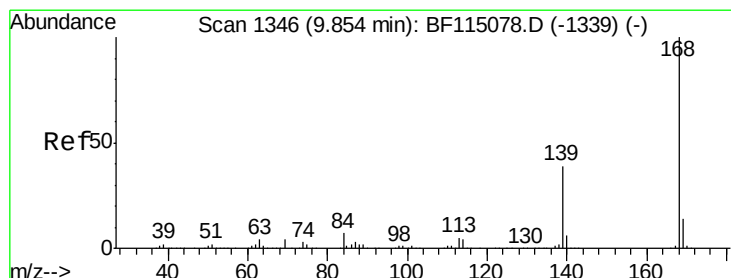
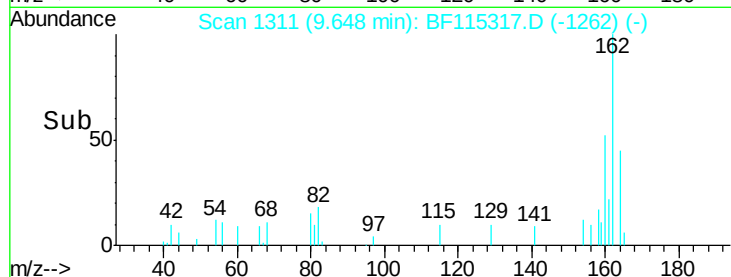
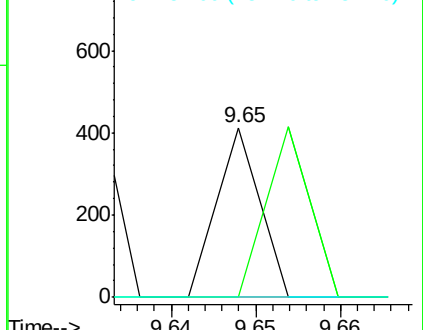
152 0.0 42.6 64.0#



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



#55

Dibenzofuran

Concen: 0.003 ng

RT: 9.82 min Scan# 1341

Delta R.T. -0.01 min

Lab File: BF115317.D

Acq: 29 Jun 2019 12:38

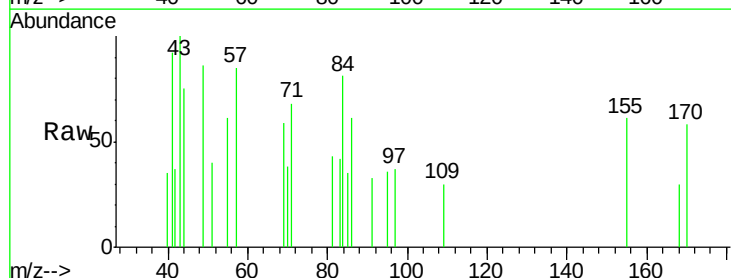
Tgt Ion:168 Resp: 106

Ion Ratio Lower Upper

168 100

139 0.0 31.1 46.7#

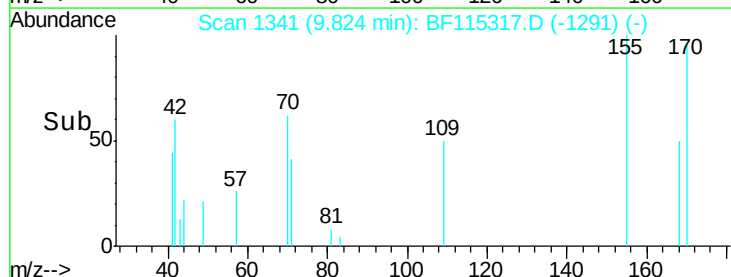
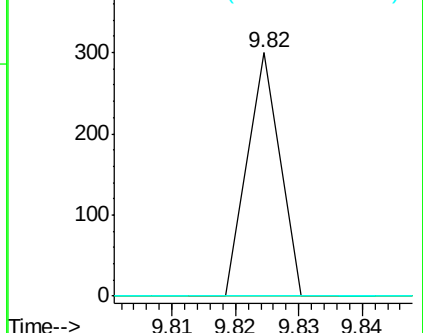
169 0.0 11.3 16.9#

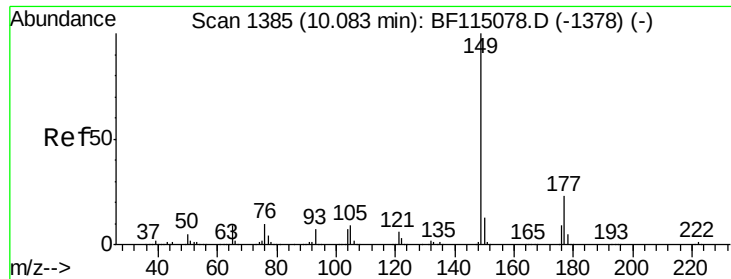


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

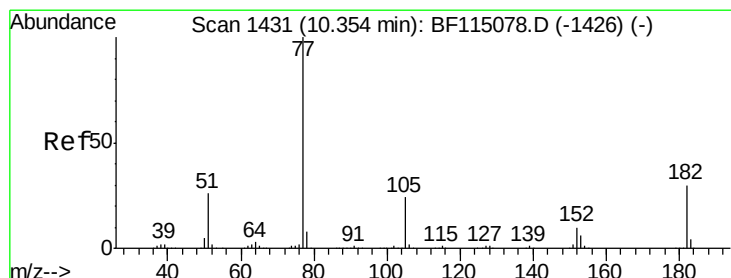
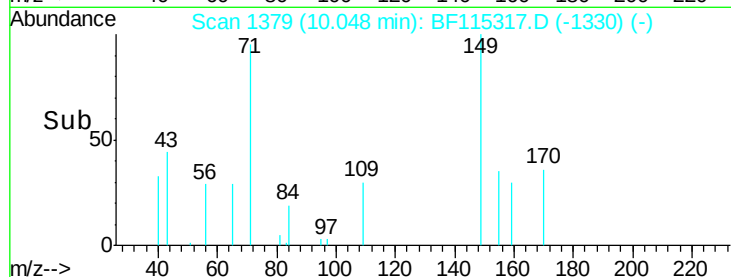
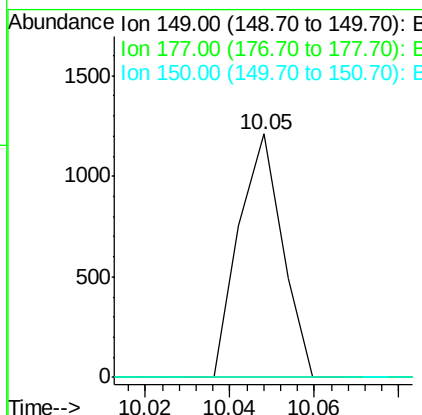
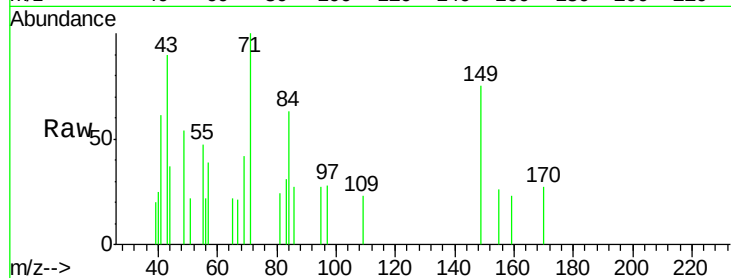




#60
Diethylphthalate
Concen: 0.032 ng
RT: 10.05 min Scan# 1379
Delta R.T. -0.01 min
Lab File: BF115317.D
Acq: 29 Jun 2019 12:38

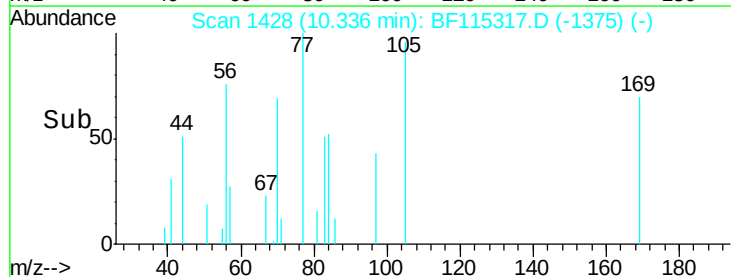
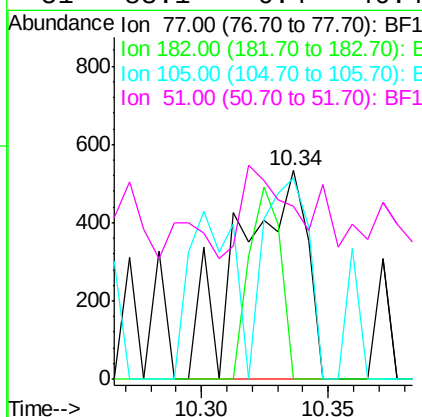
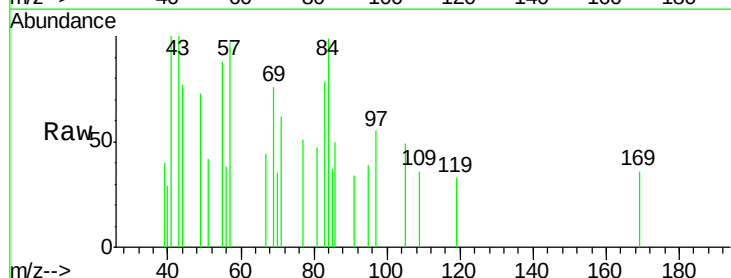
Instrument :
BNA_F
ClientSampleId :
SAMPLE-17

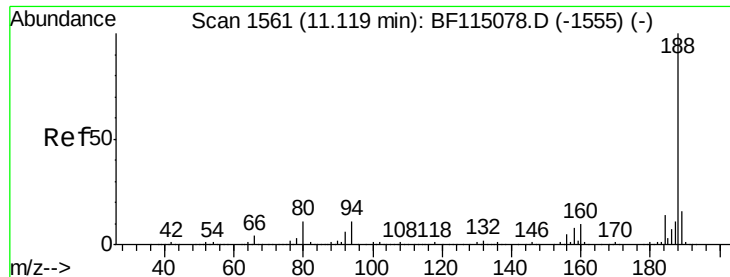
Tgt Ion: 149 Resp: 866
Ion Ratio Lower Upper
149 100
177 0.0 18.7 28.1#
150 0.0 10.4 15.6#



#63
Azobenzene
Concen: 0.039 ng
RT: 10.34 min Scan# 1428
Delta R.T. 0.01 min
Lab File: BF115317.D
Acq: 29 Jun 2019 12:38

Tgt Ion: 77 Resp: 981
Ion Ratio Lower Upper
77 100
182 0.0 10.1 50.1#
105 96.4 4.5 44.5#
51 83.1 6.4 46.4#

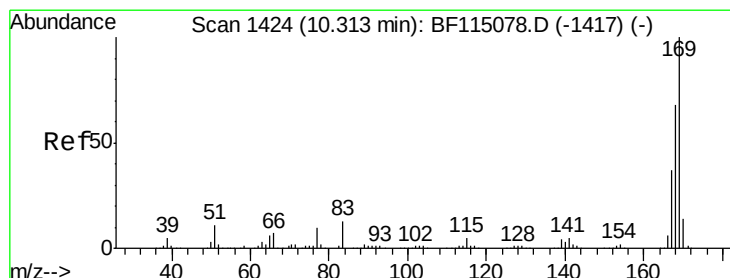
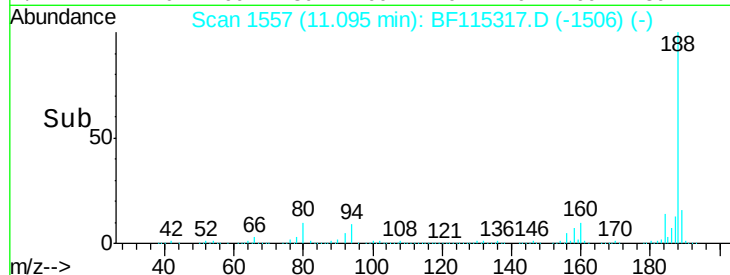
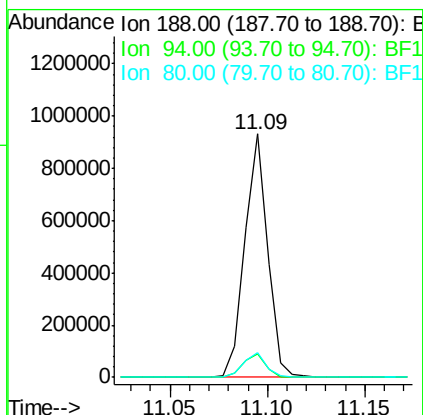
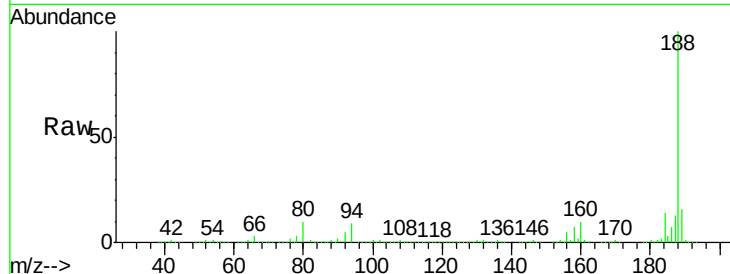




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.09 min Scan# 1557
Delta R.T. -0.00 min
Lab File: BF115317.D
Acq: 29 Jun 2019 12:38

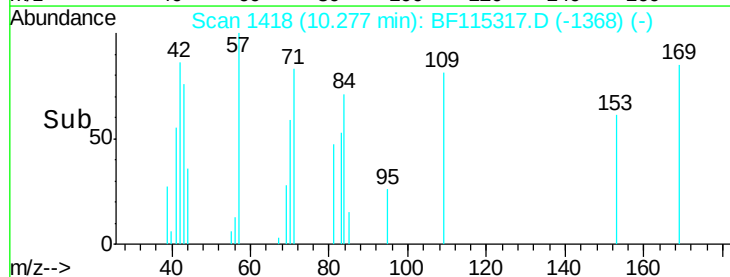
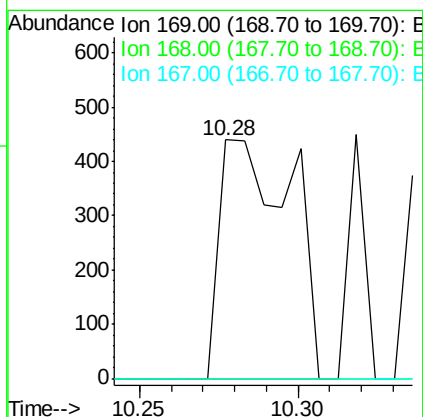
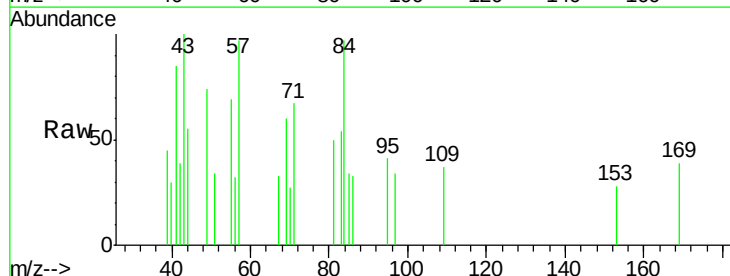
Instrument :
BNA_F
ClientSampleId :
SAMPLE-17

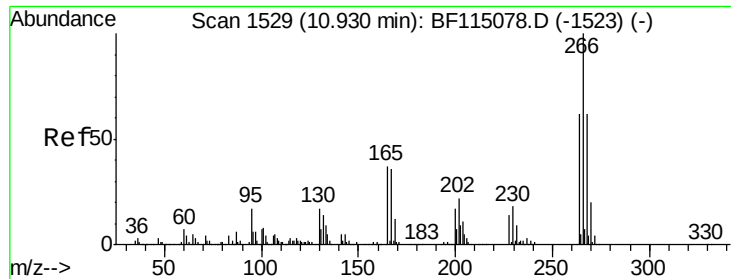
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.4	8.6	12.8
80	10.0	8.8	13.2



#66
n-Nitrosodiphenylamine
Concen: 0.029 ng
RT: 10.28 min Scan# 1418
Delta R.T. -0.01 min
Lab File: BF115317.D
Acq: 29 Jun 2019 12:38

Tgt Ion	Ratio	Lower	Upper
169	100		
168	0.0	54.2	81.4#
167	0.0	29.4	44.0#

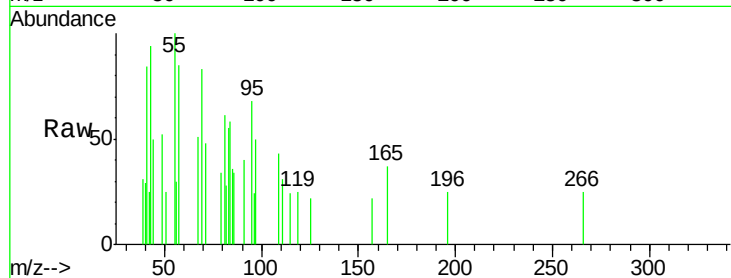




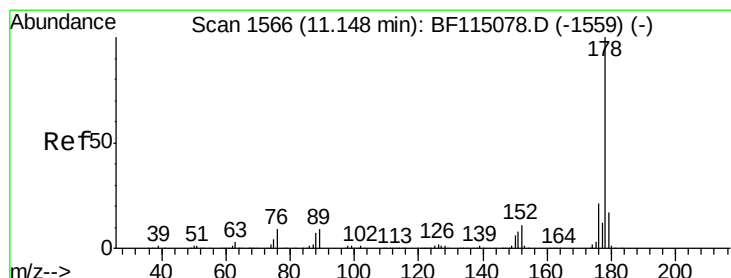
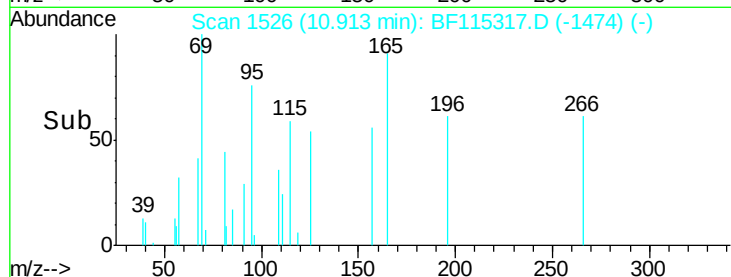
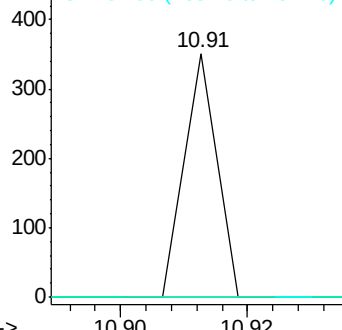
#70
 Pentachlorophenol
 Concen: 0.022 ng
 RT: 10.91 min Scan# 1526
 Delta R.T. 0.01 min
 Lab File: BF115317.D
 Acq: 29 Jun 2019 12:38

Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-17

Tgt Ion: 266 Resp: 124
 Ion Ratio Lower Upper
 266 100
 268 0.0 49.5 74.3#
 264 0.0 49.3 73.9#

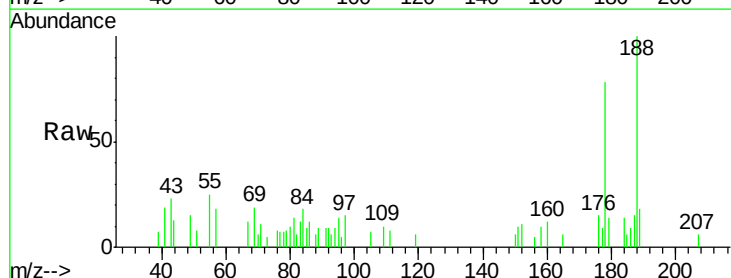


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

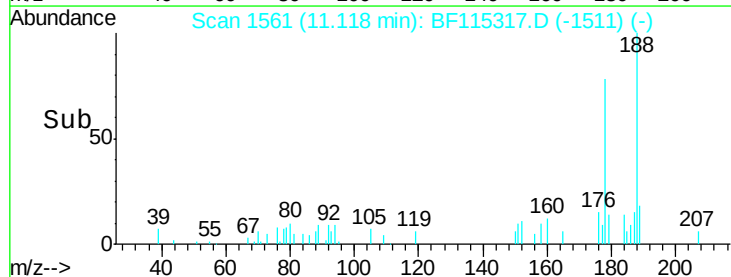
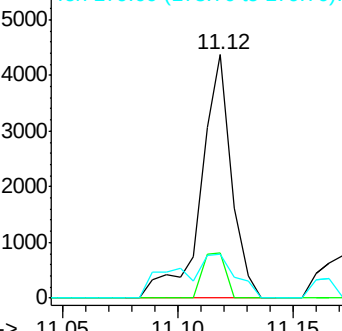


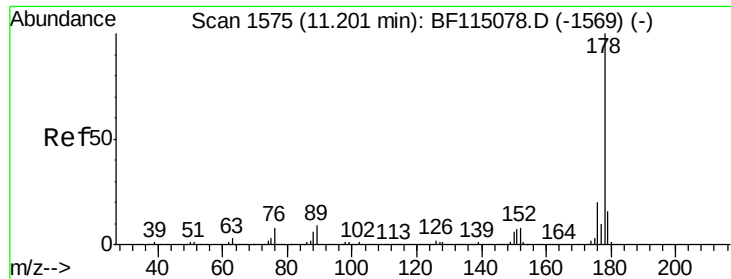
#71
 Phenanthrene
 Concen: 0.098 ng
 RT: 11.12 min Scan# 1561
 Delta R.T. -0.01 min
 Lab File: BF115317.D
 Acq: 29 Jun 2019 12:38

Tgt Ion: 178 Resp: 4003
 Ion Ratio Lower Upper
 178 100
 176 18.8 16.9 25.3
 179 18.0 13.2 19.8



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: 0.097 ng

RT: 11.12 min Scan# 1561

Delta R.T. -0.05 min

Lab File: BF115317.D

Acq: 29 Jun 2019 12:38

Instrument :

BNA_F

ClientSampleId :

SAMPLE-17

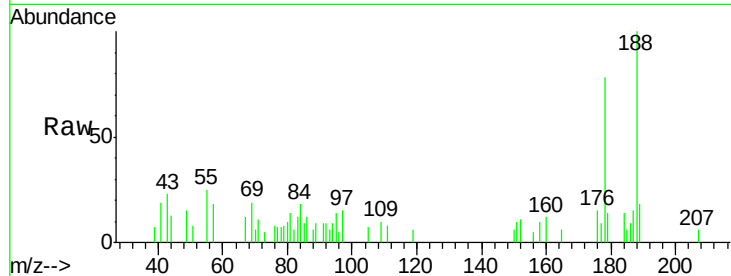
Tgt Ion:178 Resp: 4003

Ion Ratio Lower Upper

178 100

176 18.8 16.1 24.1

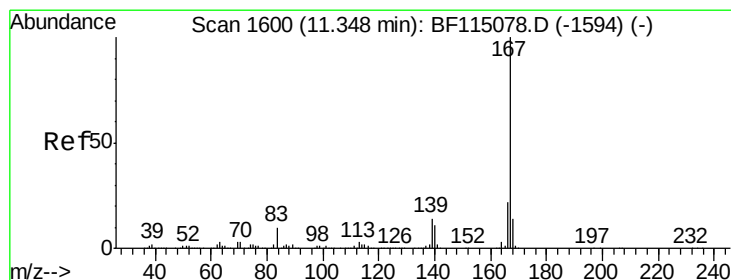
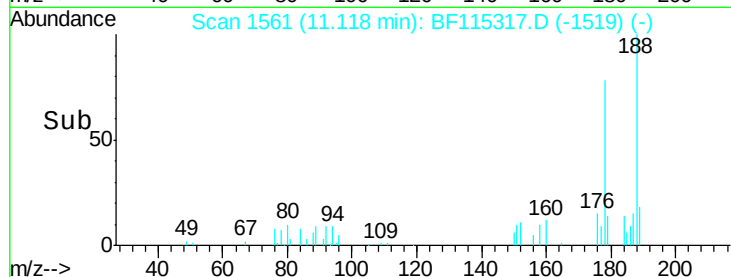
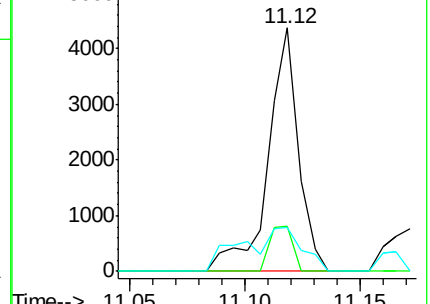
179 18.0 12.9 19.3



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: 0.027 ng

RT: 11.32 min Scan# 1596

Delta R.T. -0.00 min

Lab File: BF115317.D

Acq: 29 Jun 2019 12:38

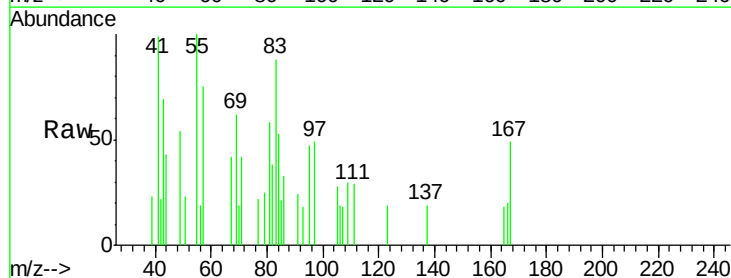
Tgt Ion:167 Resp: 973

Ion Ratio Lower Upper

167 100

166 39.8 18.0 27.0#

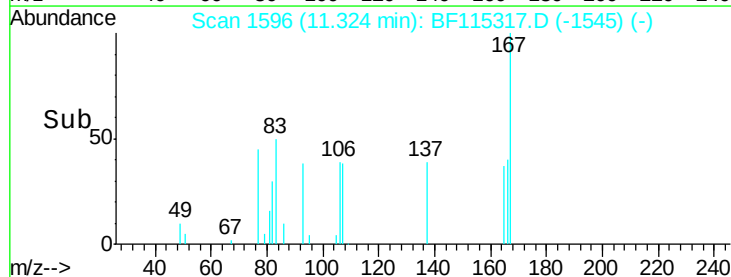
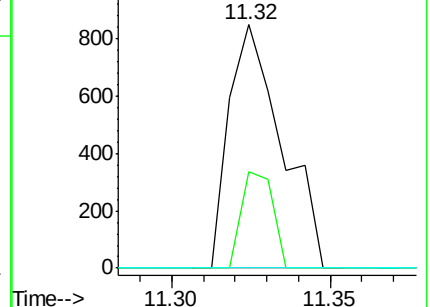
139 0.0 11.1 16.7#

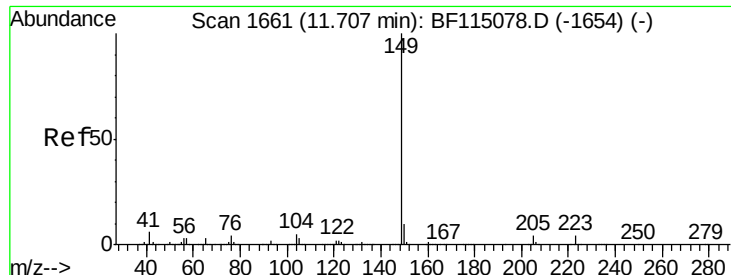


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Di-n-butylphthalate

Concen: 0.075 ng

RT: 11.67 min Scan# 1655

Delta R.T. -0.01 min

Lab File: BF115317.D

Acq: 29 Jun 2019 12:38

Instrument :

BNA_F

ClientSampleId :

SAMPLE-17

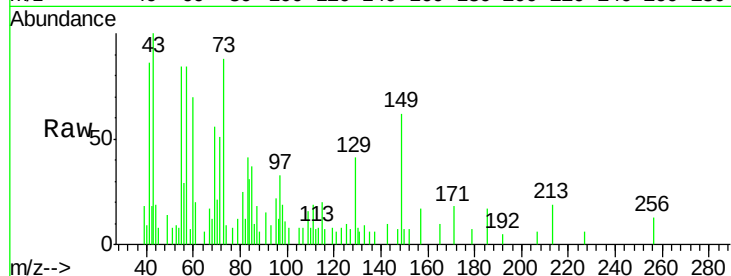
Tgt Ion:149 Resp: 3200

Ion Ratio Lower Upper

149 100

150 11.5 7.8 11.8

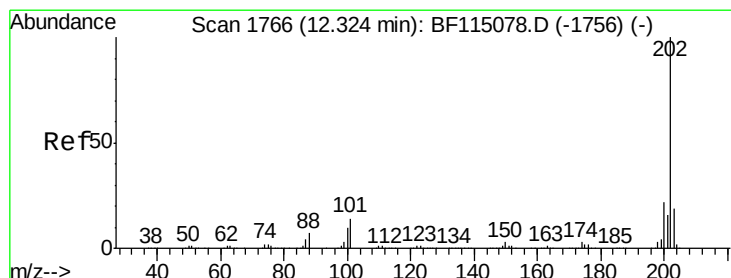
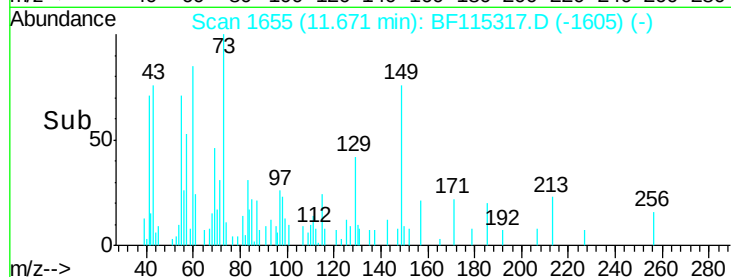
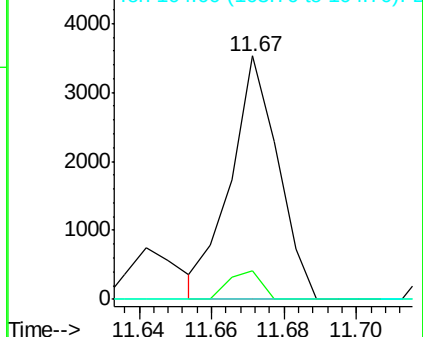
104 0.0 3.7 5.5#



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: 0.162 ng

RT: 12.29 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF115317.D

Acq: 29 Jun 2019 12:38

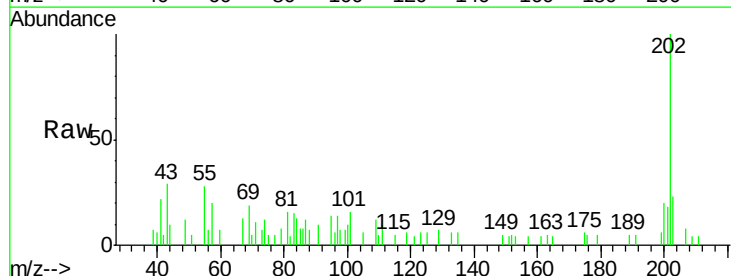
Tgt Ion:202 Resp: 6567

Ion Ratio Lower Upper

202 100

101 16.1 0.0 34.0

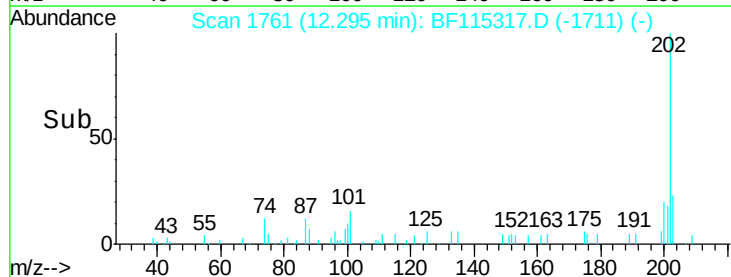
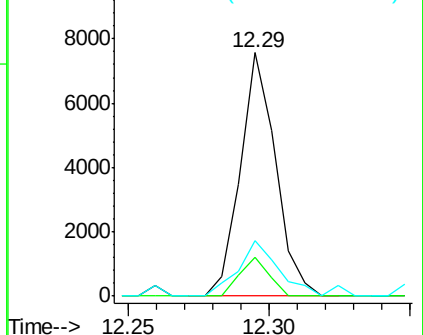
203 23.0 0.0 38.8

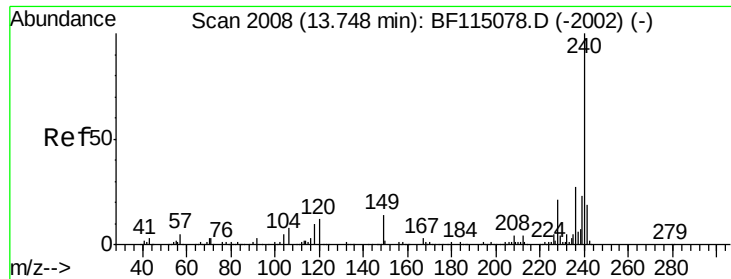


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.71 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF115317.D

Acq: 29 Jun 2019 12:38

Instrument :

BNA_F

ClientSampleId :

SAMPLE-17

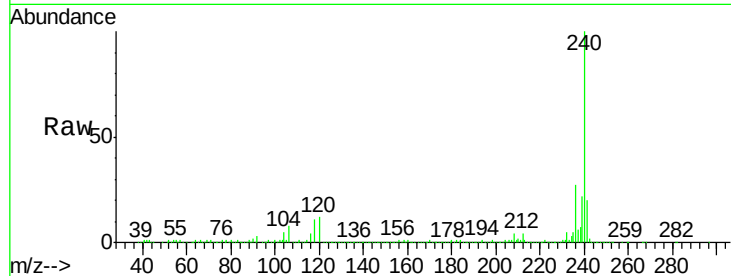
Tgt Ion:240 Resp: 686556

Ion Ratio Lower Upper

240 100

120 12.1 9.4 14.2

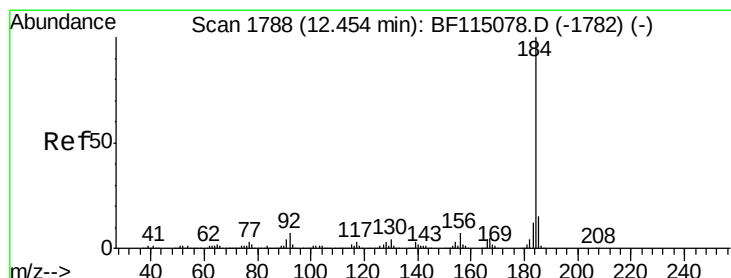
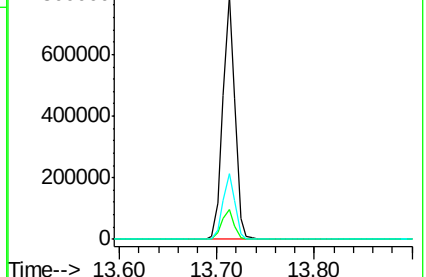
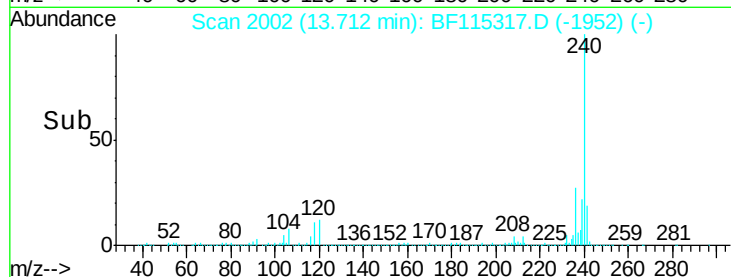
236 27.0 21.7 32.5



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Benzidine

Concen: 0.676 ng

RT: 12.68 min Scan# 1826

Delta R.T. 0.25 min

Lab File: BF115317.D

Acq: 29 Jun 2019 12:38

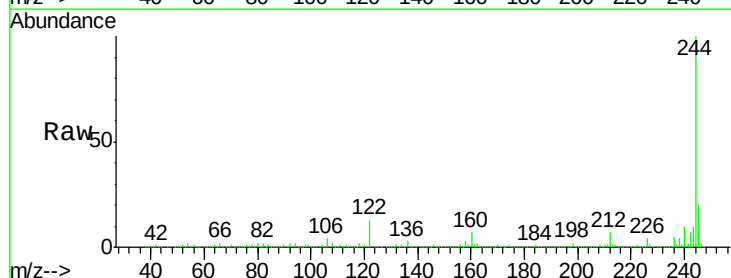
Tgt Ion:184 Resp: 20611

Ion Ratio Lower Upper

184 100

185 18.7 12.2 18.2#

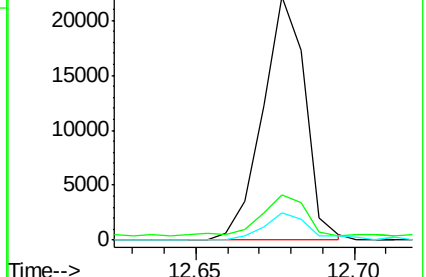
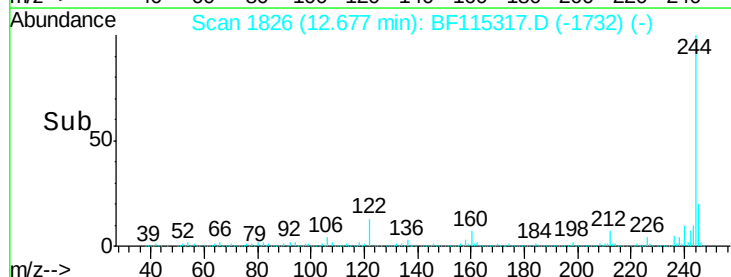
183 11.0 9.6 14.4

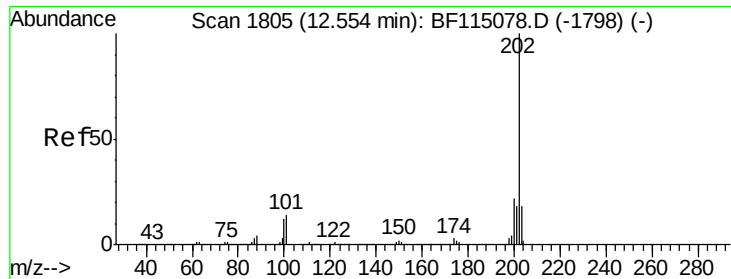


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Pyrene

Concen: 0.172 ng

RT: 12.52 min Scan# 1799

Delta R.T. -0.01 min

Lab File: BF115317.D

Acq: 29 Jun 2019 12:38

Instrument :

BNA_F

ClientSampled :

SAMPLE-17

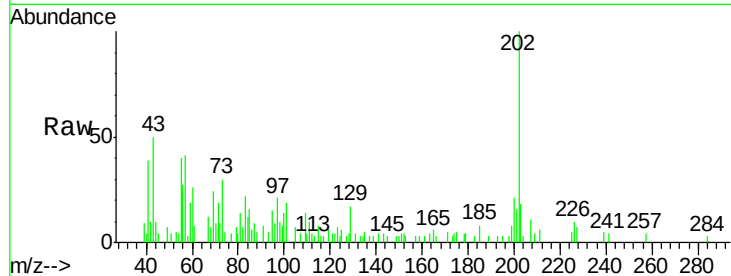
Tgt Ion:202 Resp: 9049

Ion Ratio Lower Upper

202 100

200 21.0 17.9 26.9

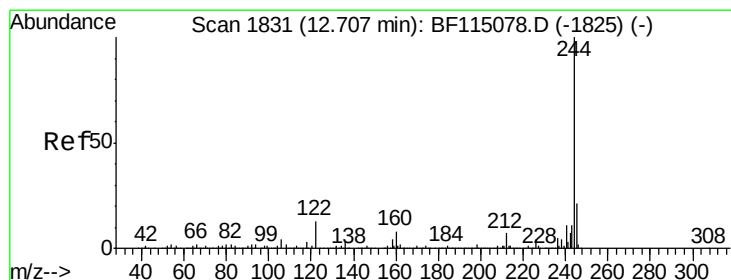
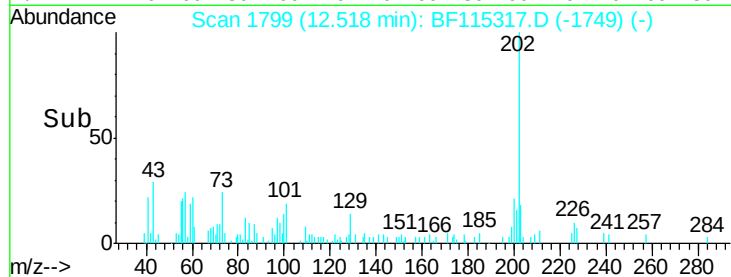
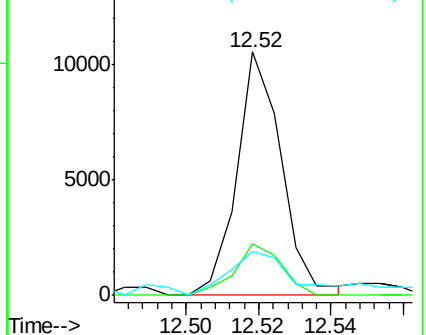
203 17.8 14.6 21.8



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 50.414 ng

RT: 12.68 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF115317.D

Acq: 29 Jun 2019 12:38

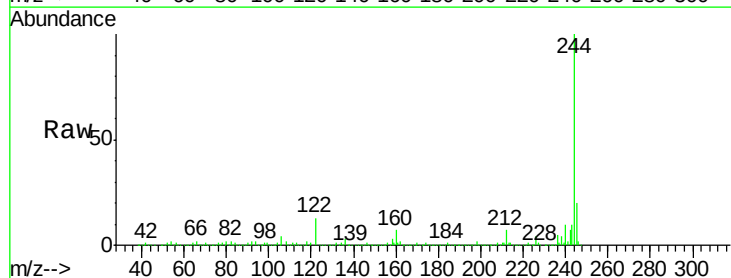
Tgt Ion:244 Resp: 1627902

Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.6

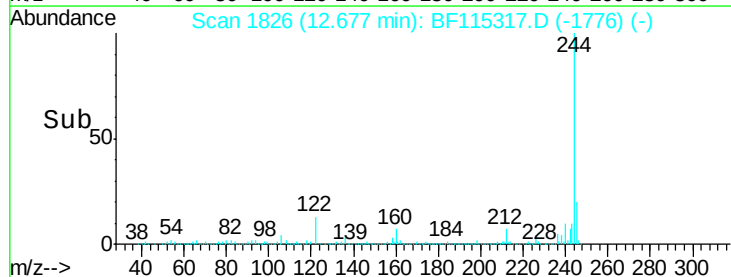
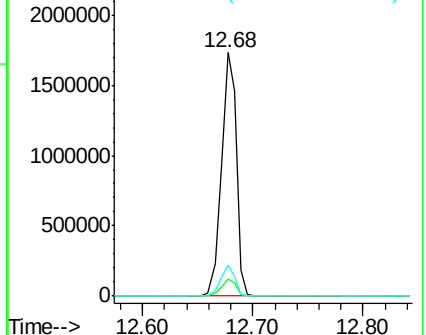
122 12.6 10.4 15.6

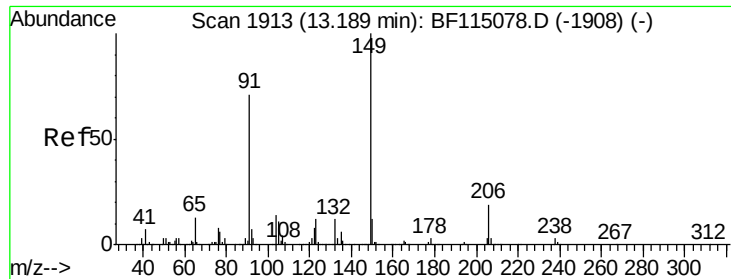


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

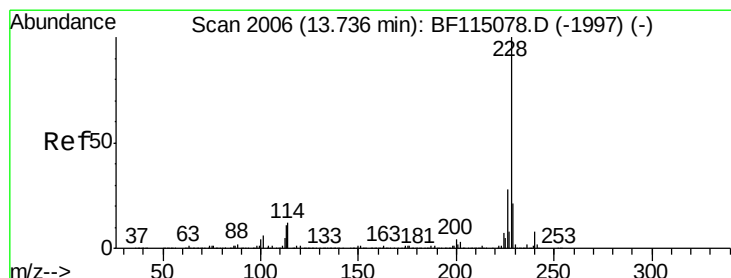
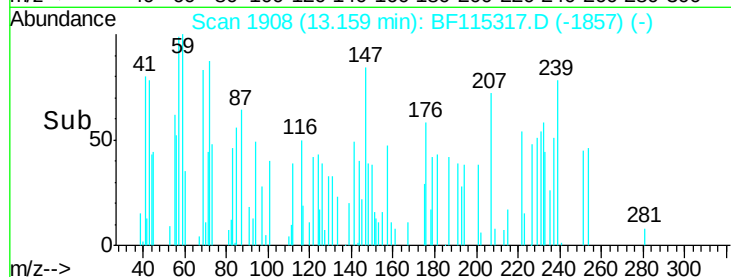
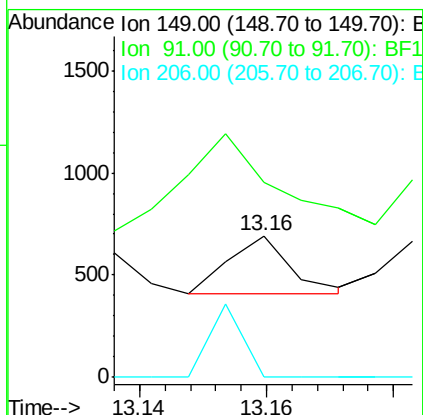
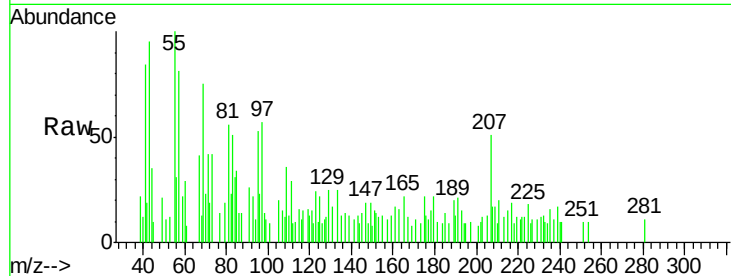




#80
Butylbenzylphthalate
Concen: 0.008 ng
RT: 13.16 min Scan# 1908
Delta R.T. -0.00 min
Lab File: BF115317.D
Acq: 29 Jun 2019 12:38

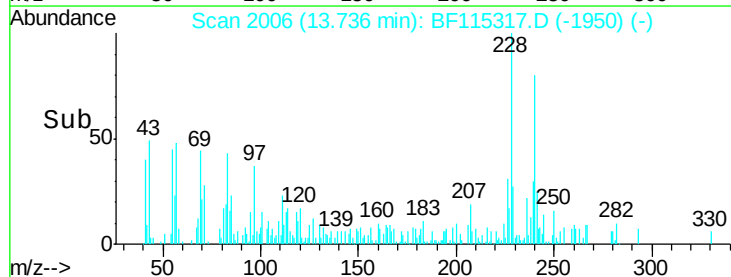
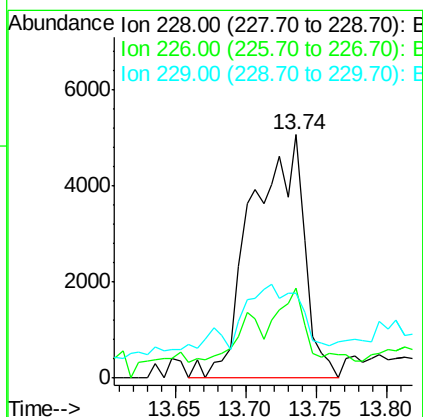
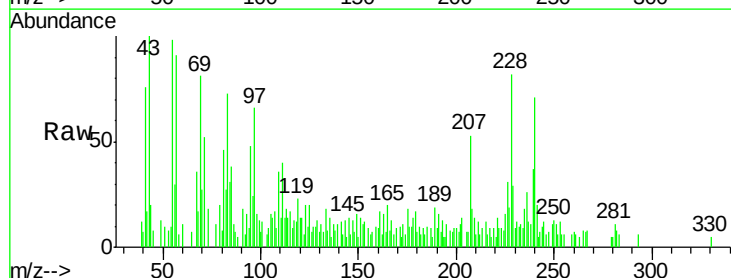
Instrument :
BNA_F
ClientSampleId :
SAMPLE-17

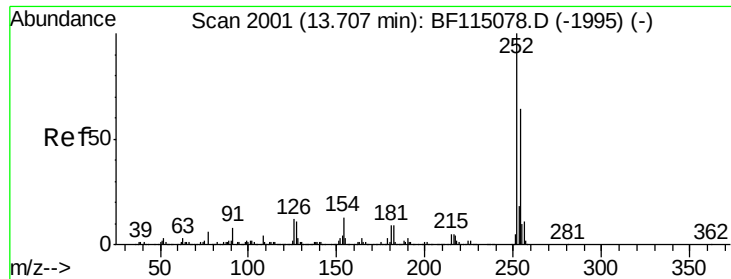
Tgt Ion:149 Resp: 188
Ion Ratio Lower Upper
149 100
91 137.7 56.5 84.7#
206 0.0 15.3 22.9#



#81
Benzo(a)anthracene
Concen: 0.267 ng
RT: 13.74 min Scan# 2006
Delta R.T. 0.03 min
Lab File: BF115317.D
Acq: 29 Jun 2019 12:38

Tgt Ion:228 Resp: 13144
Ion Ratio Lower Upper
228 100
226 37.2 22.5 33.7#
229 34.9 16.6 24.8#

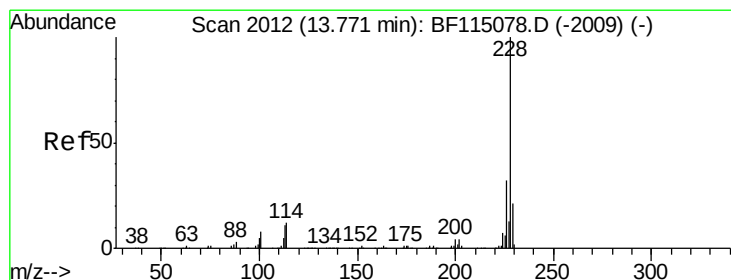
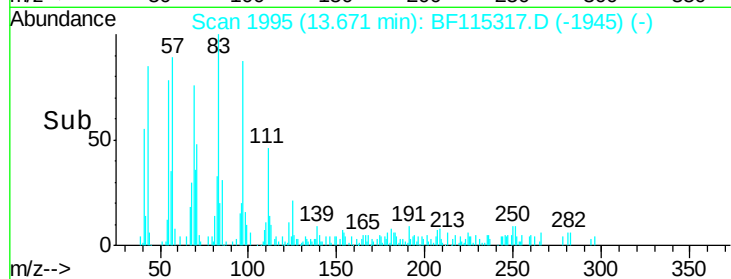
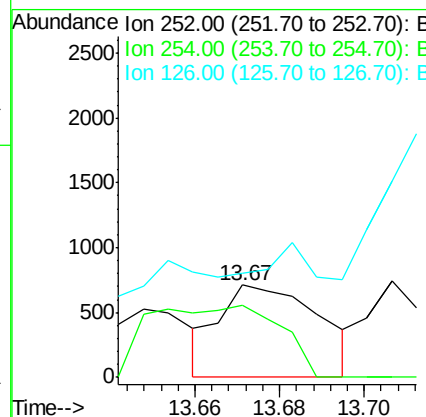
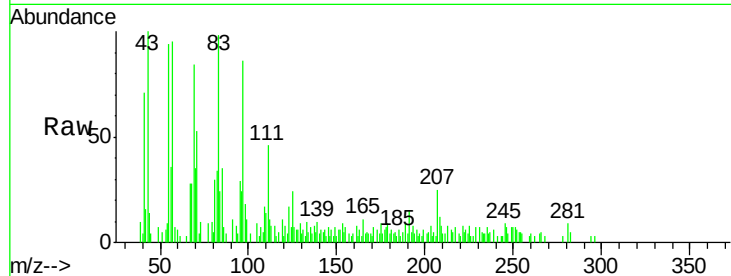




#82
 3,3'-Dichlorobenzidine
 Concen: 0.065 ng
 RT: 13.67 min Scan# 1995
 Delta R.T. -0.01 min
 Lab File: BF115317.D
 Acq: 29 Jun 2019 12:38

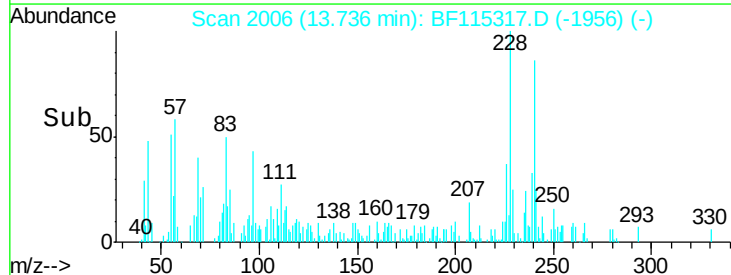
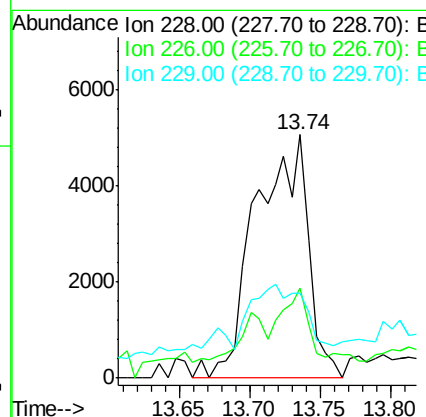
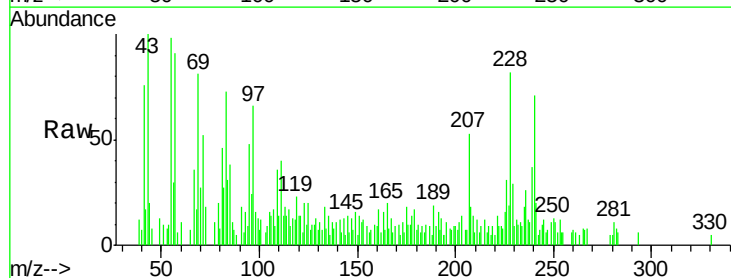
Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-17

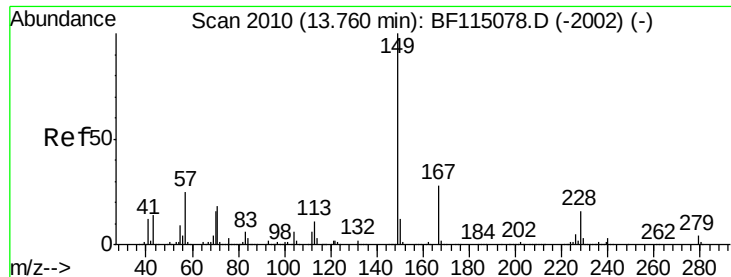
Tgt Ion:252 Resp: 1157
 Ion Ratio Lower Upper
 252 100
 254 78.5 51.1 76.7#
 126 112.2 9.4 14.0#



#83
 Chrysene
 Concen: 0.291 ng
 RT: 13.74 min Scan# 2006
 Delta R.T. -0.01 min
 Lab File: BF115317.D
 Acq: 29 Jun 2019 12:38

Tgt Ion:228 Resp: 13144
 Ion Ratio Lower Upper
 228 100
 226 37.2 25.4 38.0
 229 34.9 16.5 24.7#





#84

Bis(2-ethylhexyl)phthalate

Concen: 0.144 ng

RT: 13.72 min Scan# 2004

Delta R.T. -0.01 min

Lab File: BF115317.D

Acq: 29 Jun 2019 12:38

Instrument :

BNA_F

ClientSampleId :

SAMPLE-17

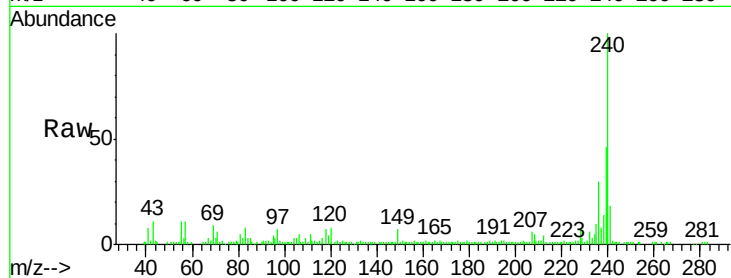
Tgt Ion:149 Resp: 4396

Ion Ratio Lower Upper

149 100

167 35.0 22.2 33.4#

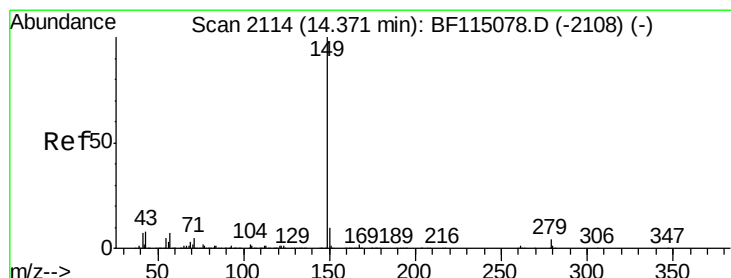
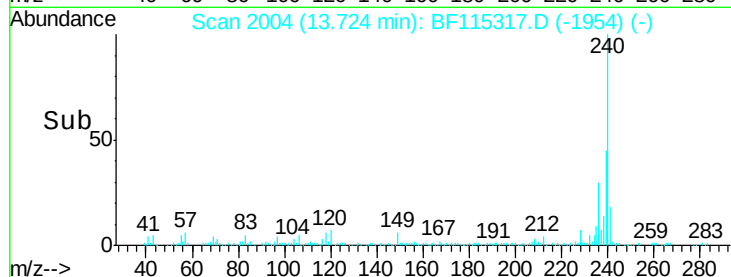
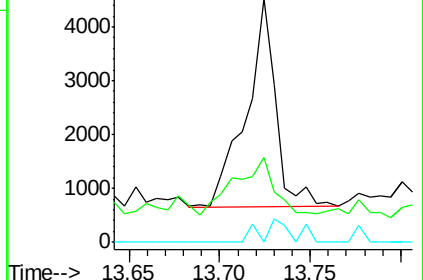
279 0.0 2.9 4.3#



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: 0.019 ng

RT: 14.34 min Scan# 2108

Delta R.T. -0.01 min

Lab File: BF115317.D

Acq: 29 Jun 2019 12:38

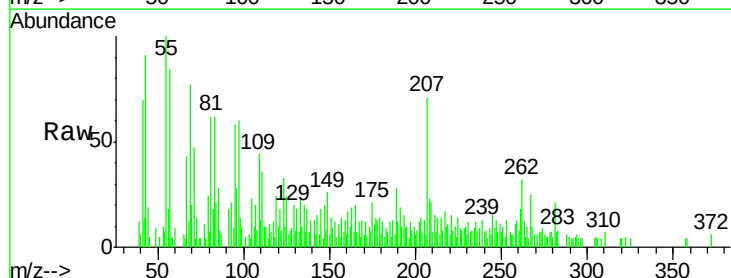
Tgt Ion:149 Resp: 980

Ion Ratio Lower Upper

149 100

167 53.4 1.2 1.8#

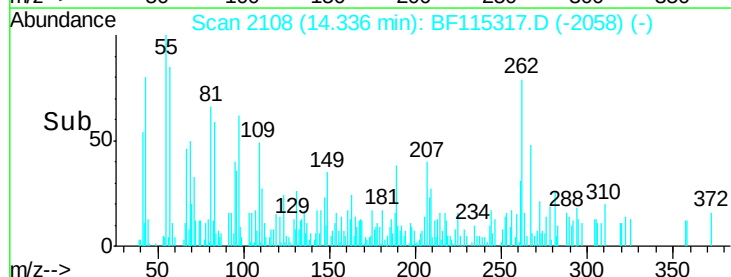
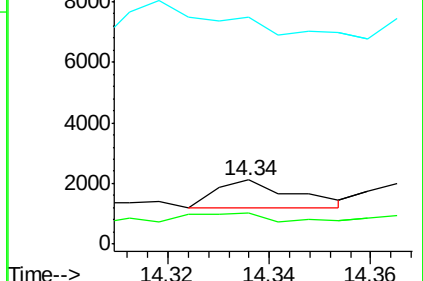
43 0.0 7.0 10.6#

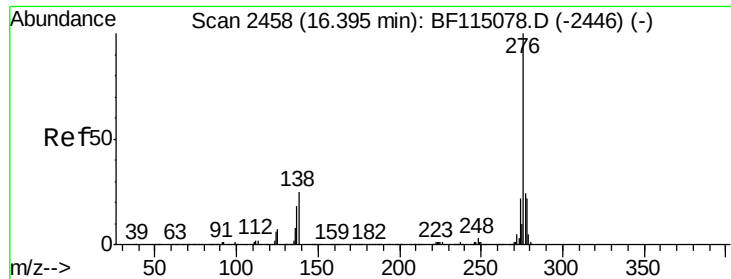


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1

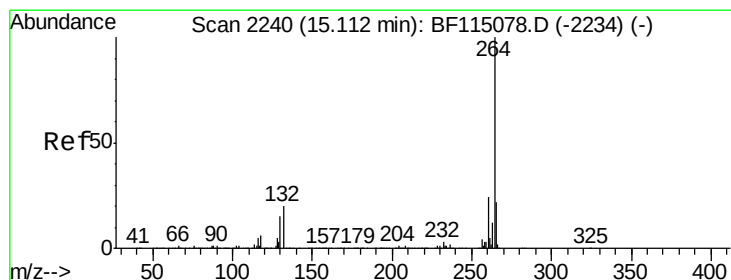
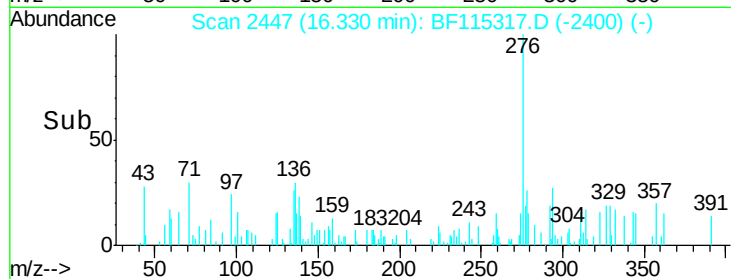
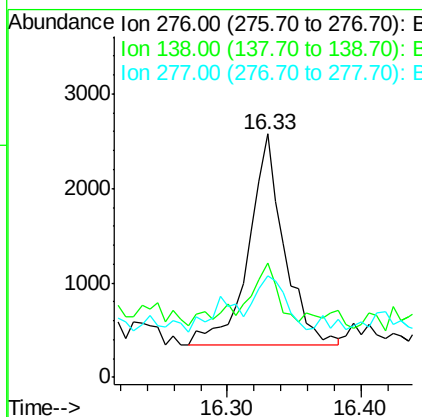
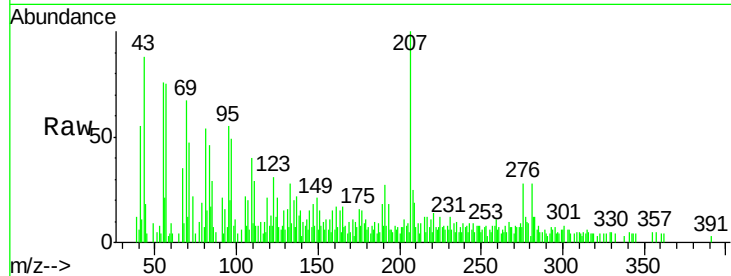




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 0.076 ng
 RT: 16.33 min Scan# 2447
 Delta R.T. -0.02 min
 Lab File: BF115317.D
 Acq: 29 Jun 2019 12:38

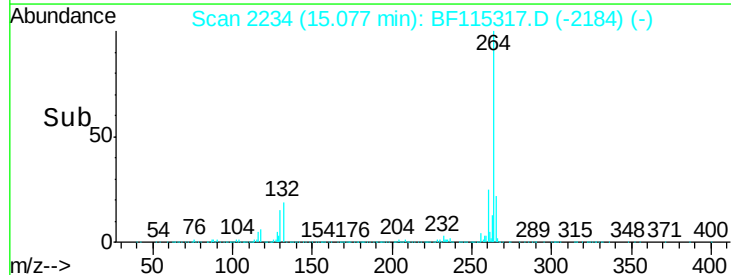
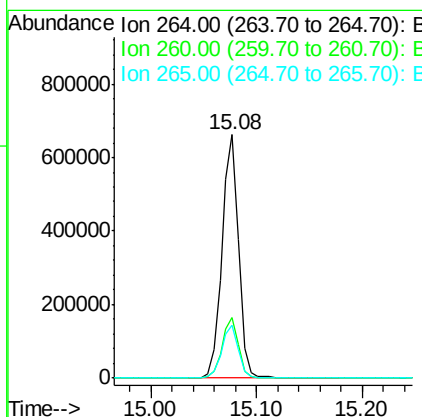
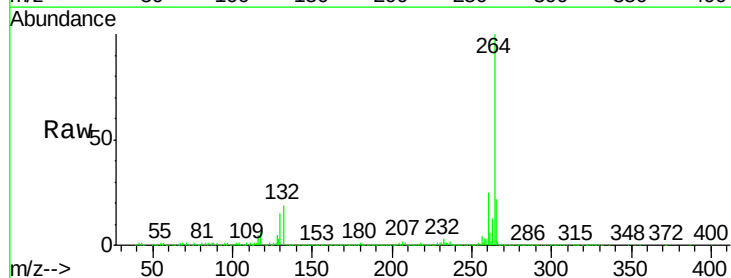
Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-17

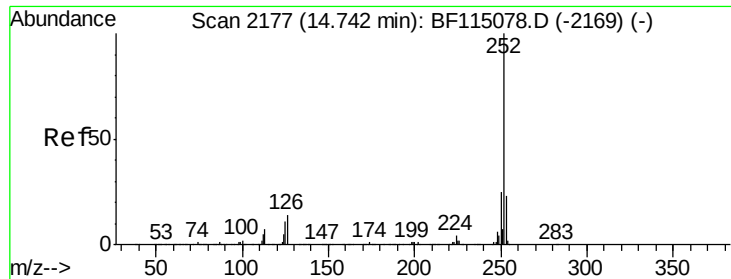
Tgt Ion:276 Resp: 4048
 Ion Ratio Lower Upper
 276 100
 138 23.3 23.2 34.8
 277 22.6 20.1 30.1



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.08 min Scan# 2234
 Delta R.T. -0.01 min
 Lab File: BF115317.D
 Acq: 29 Jun 2019 12:38

Tgt Ion:264 Resp: 726674
 Ion Ratio Lower Upper
 264 100
 260 24.7 19.6 29.4
 265 21.9 17.3 25.9

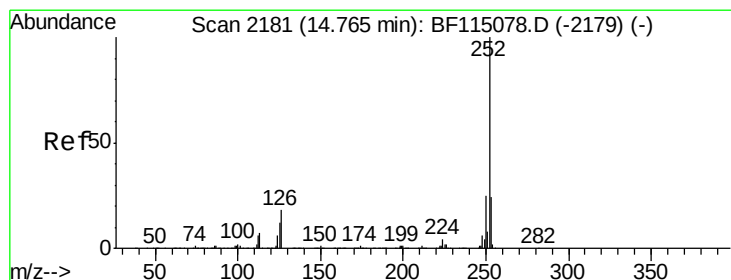
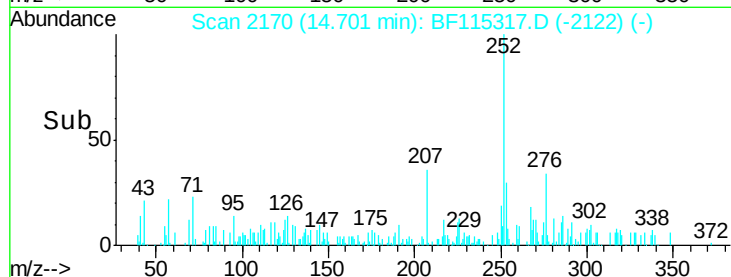
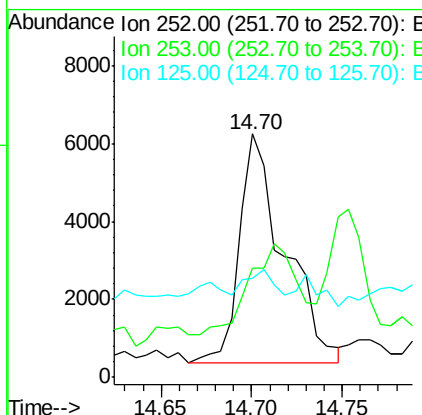
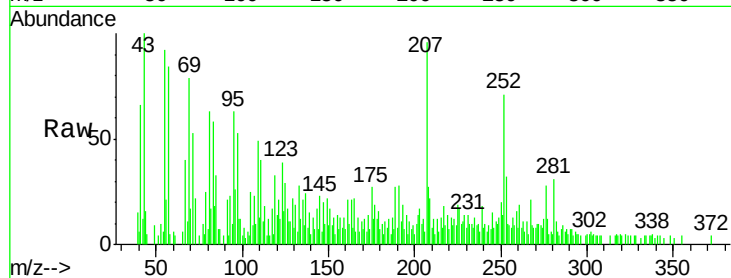




#88
Benzo(b)fluoranthene
Concen: 0.222 ng
RT: 14.70 min Scan# 2170
Delta R.T. -0.02 min
Lab File: BF115317.D
Acq: 29 Jun 2019 12:38

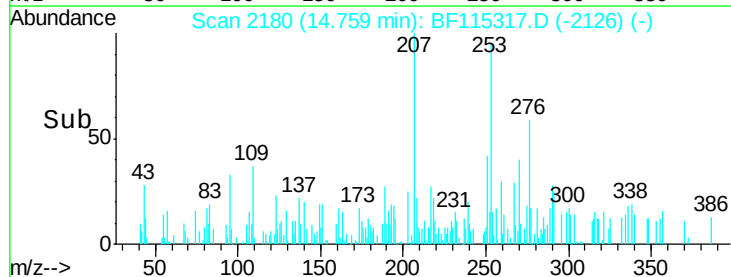
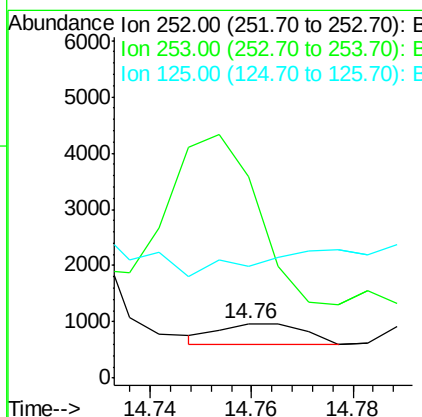
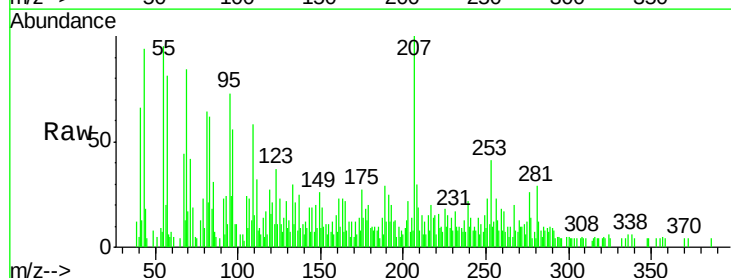
Instrument :
BNA_F
ClientSampleId :
SAMPLE-17

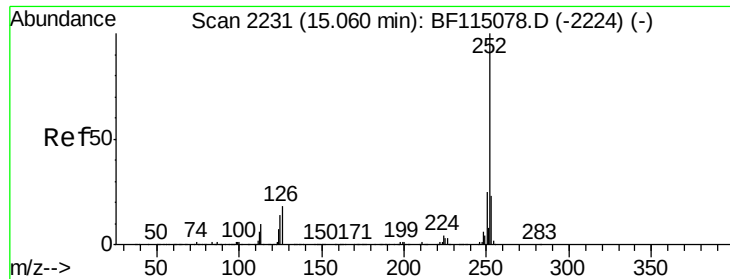
Tgt Ion:252 Resp: 10061
Ion Ratio Lower Upper
252 100
253 44.7 18.1 27.1#
125 40.7 8.7 13.1#



#89
Benzo(k)fluoranthene
Concen: 0.010 ng
RT: 14.76 min Scan# 2180
Delta R.T. 0.02 min
Lab File: BF115317.D
Acq: 29 Jun 2019 12:38

Tgt Ion:252 Resp: 405
Ion Ratio Lower Upper
252 100
253 372.4 18.9 28.3#
125 206.5 10.2 15.2#





#90

Benzo(a)pyrene

Concen: 0.103 ng

RT: 15.02 min Scan# 2224

Delta R.T. -0.02 min

Lab File: BF115317.D

Acq: 29 Jun 2019 12:38

Instrument :

BNA_F

ClientSampleId :

SAMPLE-17

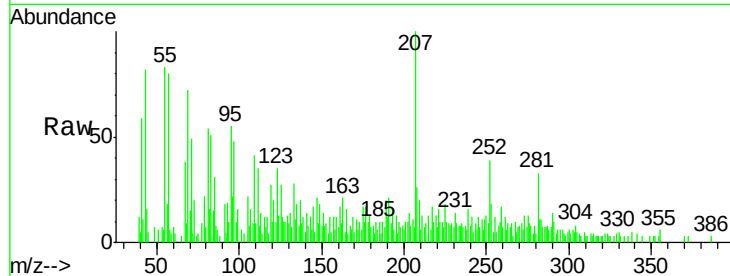
Tgt Ion:252 Resp: 4228

Ion Ratio Lower Upper

252 100

253 44.9 18.3 27.5#

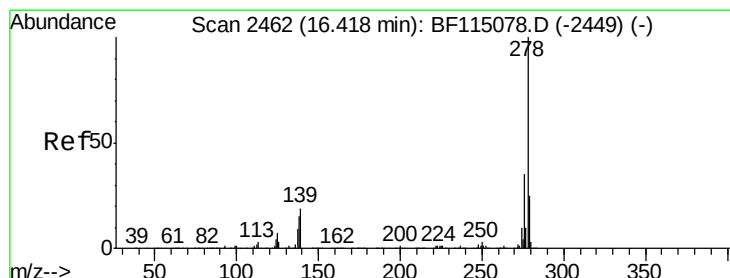
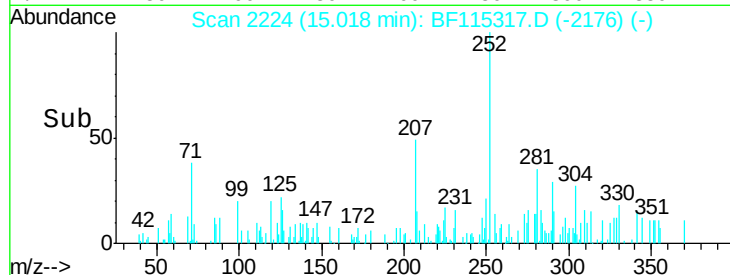
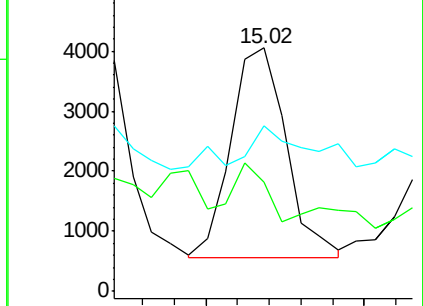
125 68.1 10.9 16.3#



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: 0.038 ng

RT: 16.34 min Scan# 2448

Delta R.T. -0.04 min

Lab File: BF115317.D

Acq: 29 Jun 2019 12:38

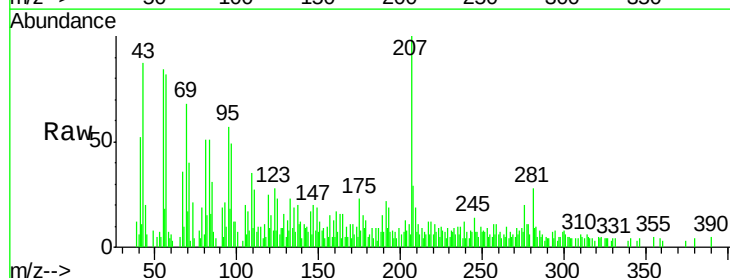
Tgt Ion:278 Resp: 1445

Ion Ratio Lower Upper

278 100

139 109.8 15.4 23.2#

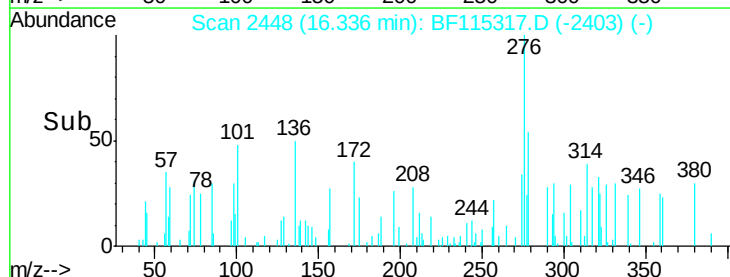
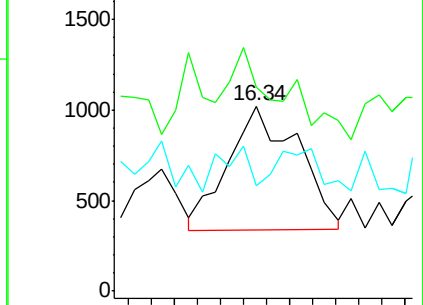
279 57.1 19.9 29.9#

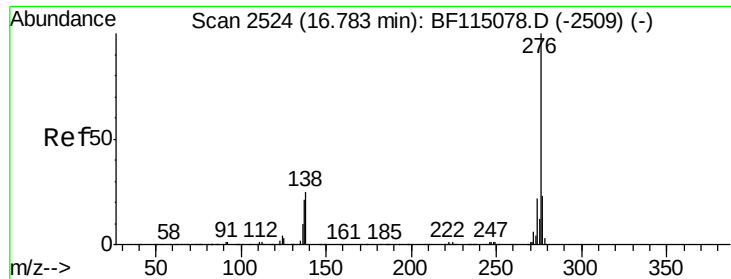


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92

Benzo(g,h,i)perylene

Concen: 0.115 ng

RT: 16.71 min Scan# 2511

Delta R.T. -0.03 min

Lab File: BF115317.D

Acq: 29 Jun 2019 12:38

Instrument :

BNA_F

ClientSampleId :

SAMPLE-17

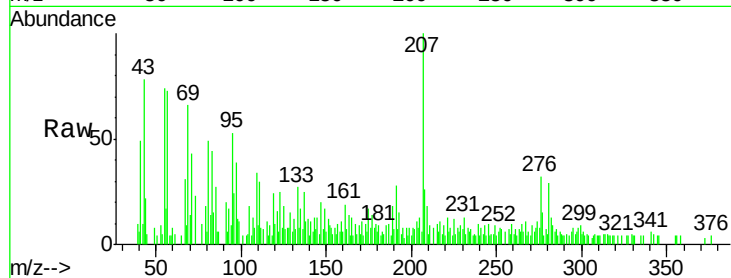
Tgt Ion: 276 Resp: 4443

Ion Ratio Lower Upper

276 100

277 45.9 18.6 28.0#

138 34.9 19.8 29.6#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

