

Data File : BF115232.D
Acq On : 27 Jun 2019 13:24
Operator : HP/JU
Sample : PB120902TB
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB120902TB

Quant Time: Jun 28 04:50:48 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 24 04:21:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	236396	20.00	ng	-0.02
21) Naphthalene-d8	7.88	136	888436	20.00	ng	-0.02
39) Acenaphthene-d10	9.62	164	456141	20.00	ng	-0.03
64) Phenanthrene-d10	11.09	188	885411	20.00	ng	-0.03
76) Chrysene-d12	13.71	240	708022	20.00	ng	-0.04
87) Perylene-d12	15.08	264	764427	20.00	ng	-0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	1580689	103.19	ng	-0.01
7) Phenol-d6	6.24	99	1966976	105.79	ng	-0.02
23) Nitrobenzene-d5	7.15	82	1179450	81.67	ng	-0.03
42) 2,4,6-Tribromophenol	10.41	330	584681	121.55	ng	-0.02
45) 2-Fluorobiphenyl	8.95	172	2311230	86.07	ng	-0.03
79) Terphenyl-d14	12.68	244	2618494	78.63	ng	-0.03

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.20	88	126	0.017	ng	# 1
4) n-Nitrosodimethylamine	2.75	42	108	0.014	ng	# 1
6) Aniline	6.37	93	2343	0.092	ng	# 1
8) 2-Chlorophenol	6.38	128	437	0.025	ng	# 1
9) Benzaldehyde	6.24	77	2757	0.227	ng	# 1
10) Phenol	6.24	94	238	0.011	ng	# 1
11) bis(2-Chloroethyl)ether	6.37	93	2343	0.146	ng	# 1
15) Benzyl Alcohol	6.75	79	19594	1.447	ng	# 45
19) n-Nitroso-di-n-propylamine	7.15	70	156474	13.145	ng	# 78
22) Acetophenone	6.75	105	277	0.014	ng	# 1
24) Nitrobenzene	7.16	77	3523	0.221	ng	# 32
25) Isophorone	7.15	82	1150425	38.884	ng	# 63
32) Benzoic acid	7.87	122	107	0.012	ng	# 1
38) 1-Methylnaphthalene	8.95	142	987	0.035	ng	# 62
46) 1,1'-Biphenyl	9.05	154	4383	0.120	ng	# 95
48) 2-Nitroaniline	8.95	65	3530	0.409	ng	# 1
50) Dimethylphthalate	9.62	163	125903	3.752	ng	# 1
51) 2,6-Dinitrotoluene	9.62	165	58010	7.487	ng	# 28
52) Acenaphthene	9.62	154	1582	0.055	ng	# 5
57) 2,4-Dinitrotoluene	9.62	165	58010	5.799	ng	# 30
58) Fluorene	10.40	166	26659	Below Cal		# 87
63) Azobenzene	10.40	77	2365	0.075	ng	# 1
65) 4,6-Dinitro-2-methylphenol	10.40	198	1198	5.188	ng	# 1
66) n-Nitrosodiphenylamine	10.40	169	17060	0.618	ng	# 37
67) 4-Bromophenyl-phenylether	10.40	248	37726	3.930	ng	# 1
71) Phenanthrene	11.11	178	966	0.020	ng	# 58
72) Anthracene	11.16	178	270	0.006	ng	# 59
73) Carbazole	11.31	167	124	0.003	ng	# 58
74) Di-n-butylphthalate	11.67	149	857	0.017	ng	# 77
75) Fluoranthene	12.29	202	574	0.012	ng	# 61
77) Benzidine	12.68	184	33548	1.067	ng	# 94
78) Pyrene	12.51	202	466	0.009	ng	# 56
81) Benzo(a)anthracene	13.71	228	2663	0.052	ng	# 50
83) Chrysene	13.71	228	2663	0.057	ng	# 48

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF062719\
Quantitation Report (Not Reviewed)

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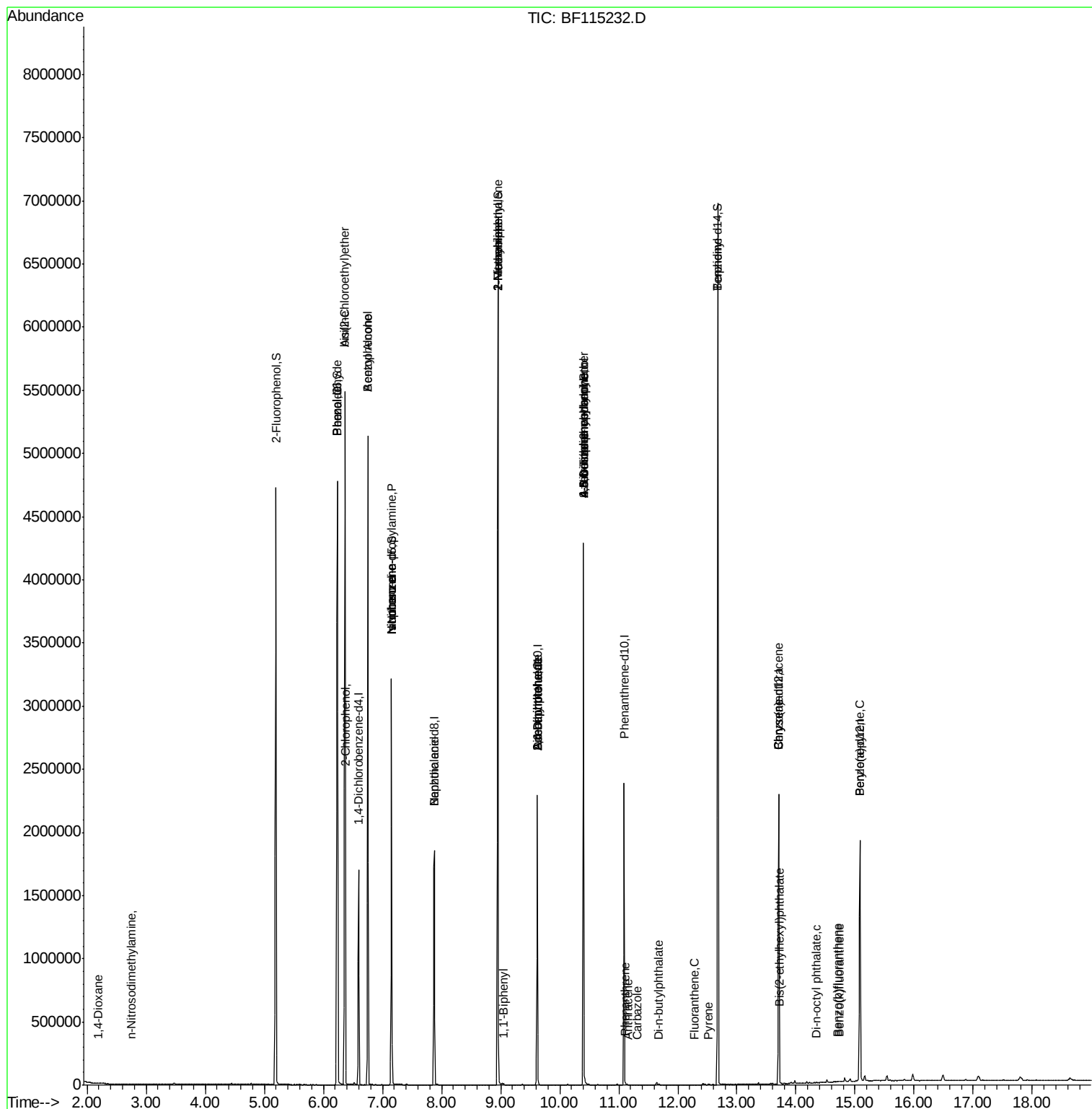
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) Bis(2-ethylhexyl)phthalate	13.72	149	604	0.019	ng	# 52
85) Di-n-octyl phthalate	14.34	149	124	0.002	ng	# 1
88) Benzo(b)fluoranthene	14.71	252	145	0.003	ng	# 59
89) Benzo(k)fluoranthene	14.74	252	281	0.007	ng	# 57
90) Benzo(a)pyrene	15.08	252	2427	0.056	ng	# 90

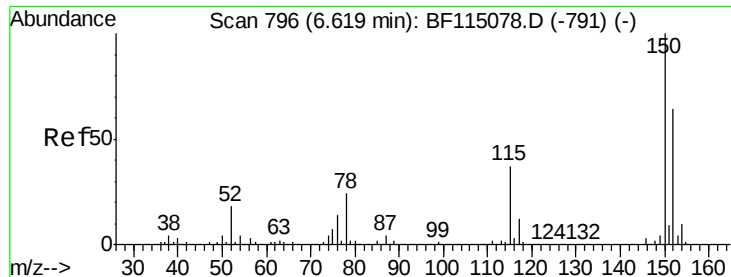
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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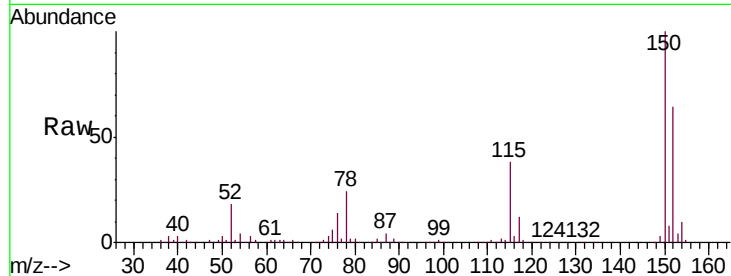


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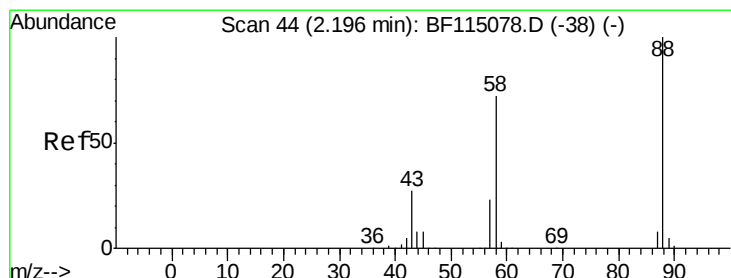
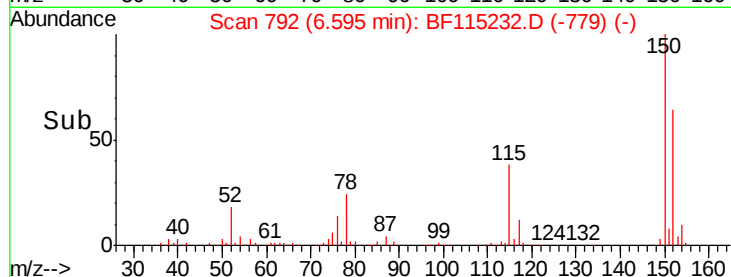
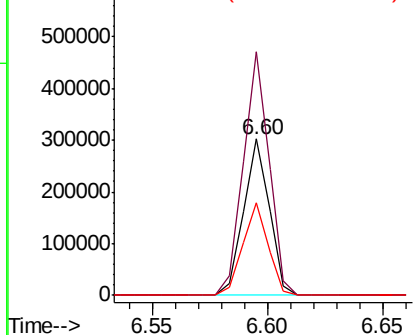
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.60 min Scan# 792
Delta R.T. -0.02 min
Lab File: BF115232.D
Acq: 27 Jun 2019 13:24

Instrument :
BNA_F
ClientSampleId :
PB120902TB

Tgt Ion: 152 Resp: 236396
Ion Ratio Lower Upper
152 100
150 155.9 124.2 186.2
115 59.5 46.1 69.1



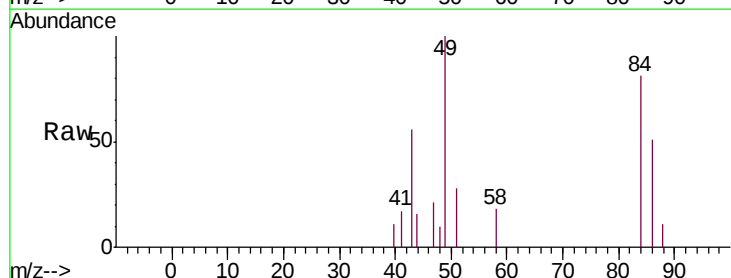
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



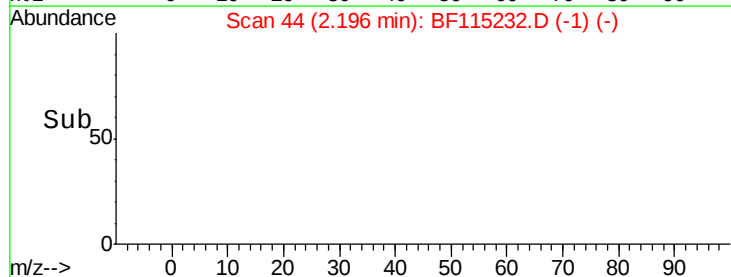
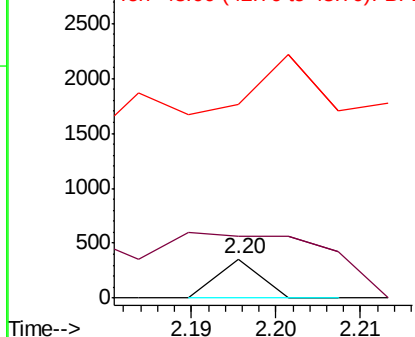
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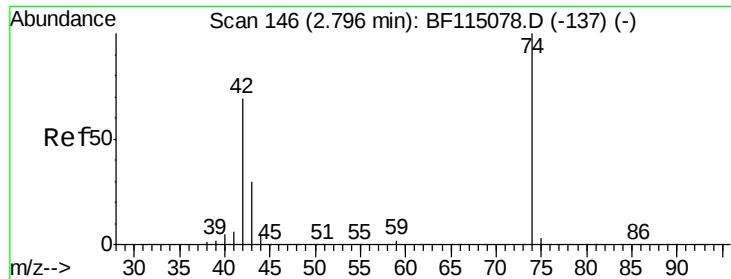
1,4-Dioxane
Concen: 0.017 ng
RT: 2.20 min Scan# 44
Delta R.T. -0.00 min
Lab File: BF115232.D
Acq: 27 Jun 2019 13:24

Tgt Ion: 88 Resp: 126
Ion Ratio Lower Upper
88 100
58 600.8 56.1 84.1#
43 763.5 21.3 31.9#



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



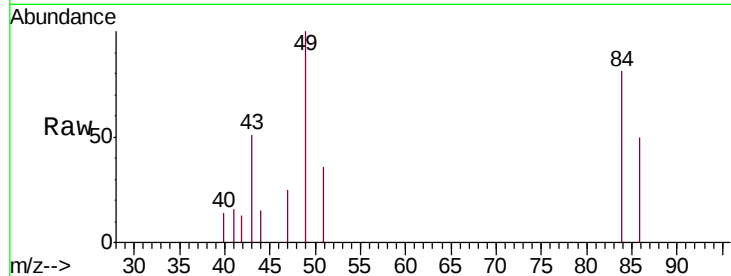


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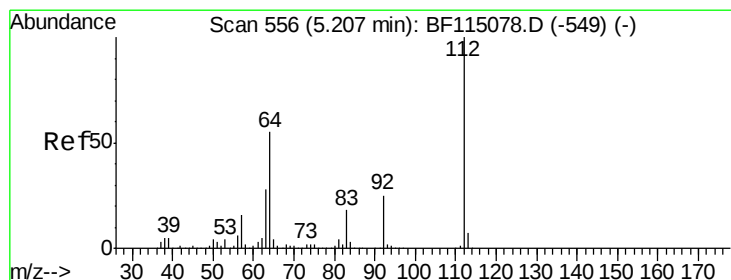
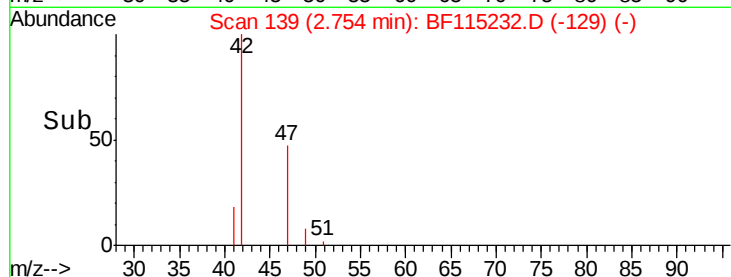
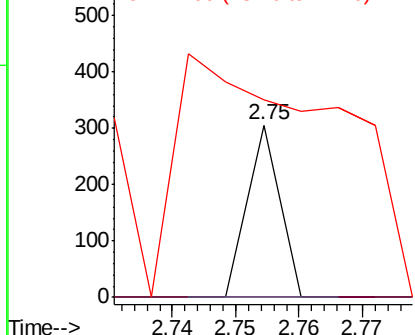
n-Nitrosodimethylamine
 Concen: 0.014 ng
 RT: 2.75 min Scan# 139
 Delta R.T. -0.04 min
 Lab File: BF115232.D
 Acq: 27 Jun 2019 13:24

Instrument :
 BNA_F
 ClientSampleId :
 PB120902TB

Tgt Ion: 42 Resp: 108
 Ion Ratio Lower Upper
 42 100
 74 0.0 116.6 175.0#
 44 114.4 5.3 7.9#



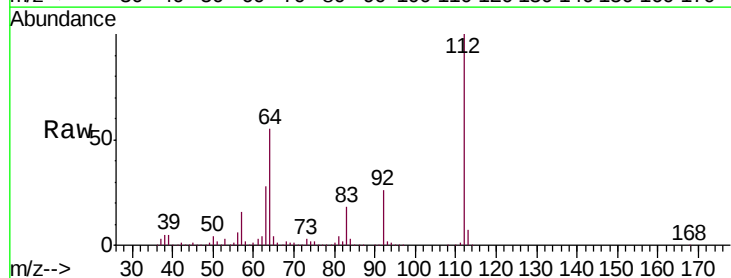
Abundance Ion 42.00 (41.70 to 42.70): BF1
 Ion 74.00 (73.70 to 74.70): BF1
 Ion 44.00 (43.70 to 44.70): BF1



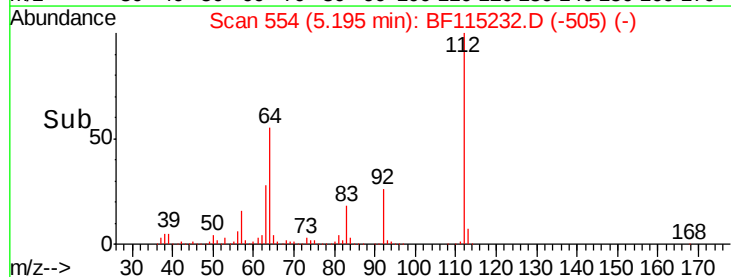
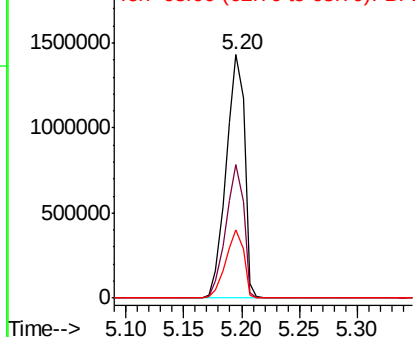
#5

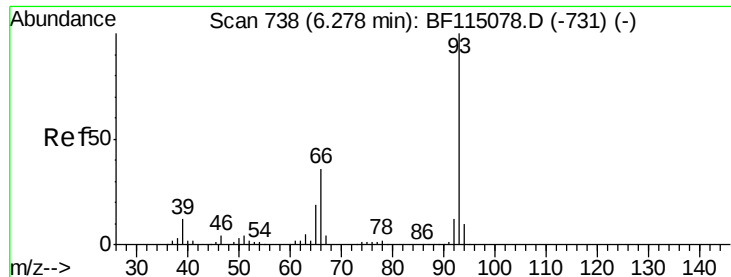
2-Fluorophenol
 Concen: 103.186 ng
 RT: 5.20 min Scan# 554
 Delta R.T. -0.01 min
 Lab File: BF115232.D
 Acq: 27 Jun 2019 13:24

Tgt Ion: 112 Resp: 1580689
 Ion Ratio Lower Upper
 112 100
 64 54.7 43.8 65.6
 63 28.1 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: 0.092 ng

RT: 6.37 min Scan# 753

Delta R.T. 0.09 min

Lab File: BF115232.D

Acq: 27 Jun 2019 13:24

Instrument :

BNA_F

ClientSampleId :

PB120902TB

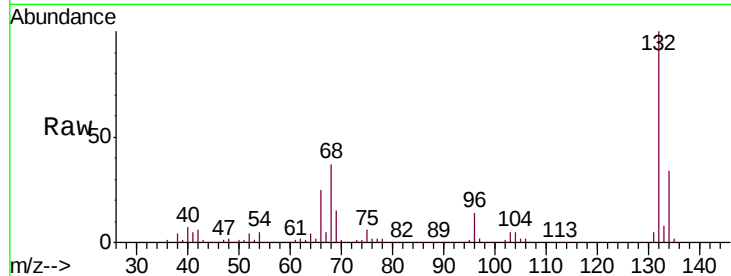
Tgt Ion: 93 Resp: 2343

Ion Ratio Lower Upper

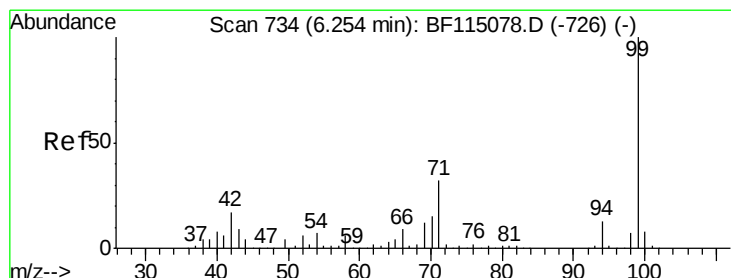
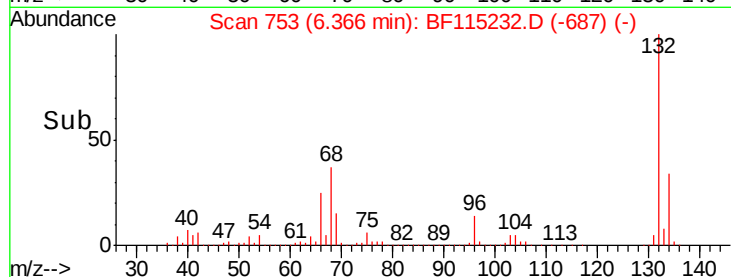
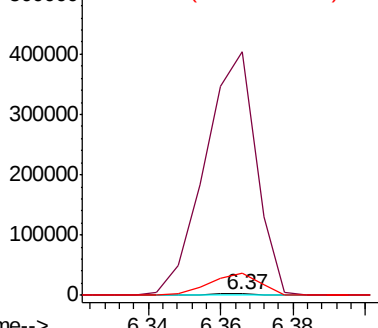
93 100

66 16793.3 30.0 45.0#

65 1571.7 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: 105.789 ng

RT: 6.24 min Scan# 731

Delta R.T. -0.02 min

Lab File: BF115232.D

Acq: 27 Jun 2019 13:24

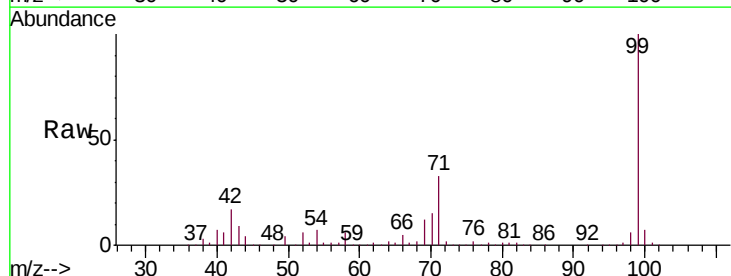
Tgt Ion: 99 Resp: 1966976

Ion Ratio Lower Upper

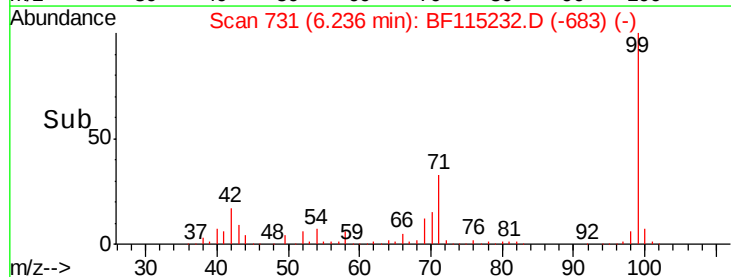
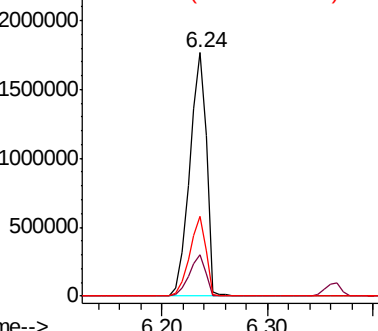
99 100

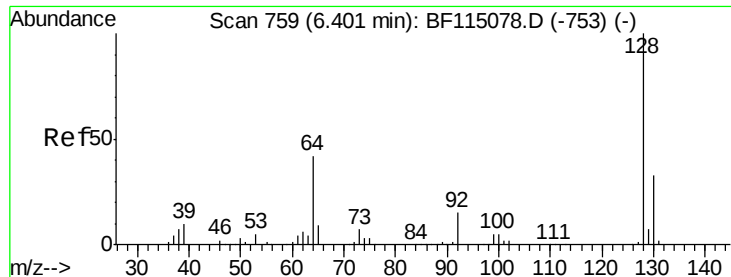
42 17.0 13.6 20.4

71 33.0 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

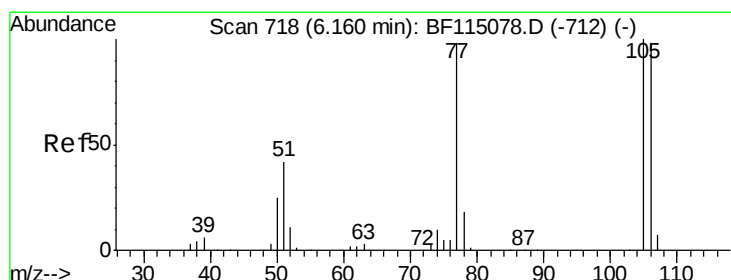
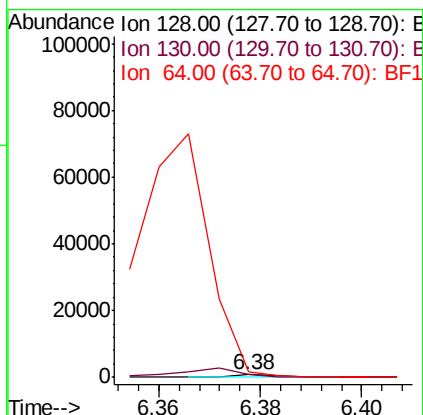
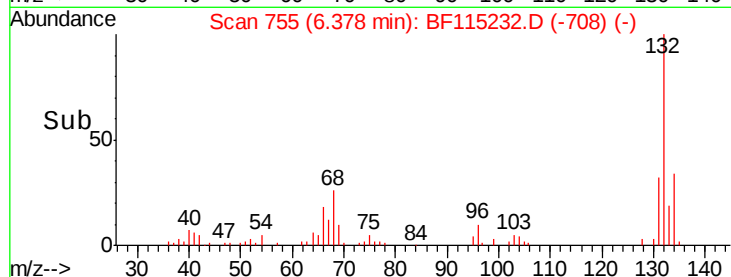
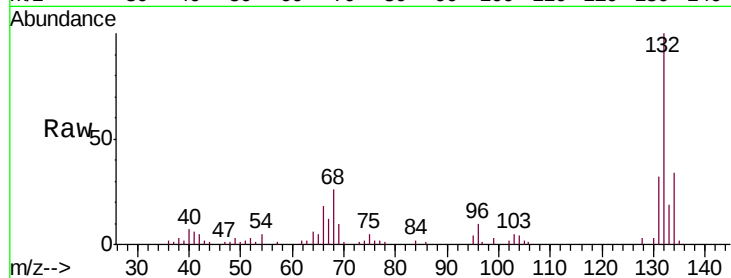




#8
2-Chlorophenol
Concen: 0.025 ng
RT: 6.38 min Scan# 755
Delta R.T. -0.02 min
Lab File: BF115232.D
Acq: 27 Jun 2019 13:24

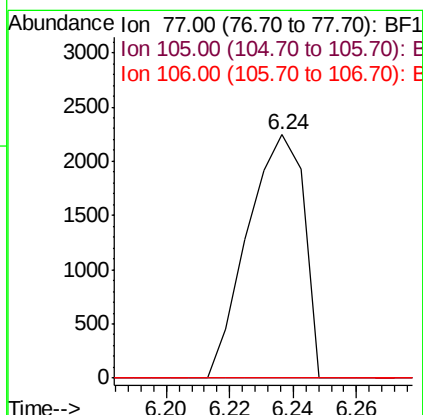
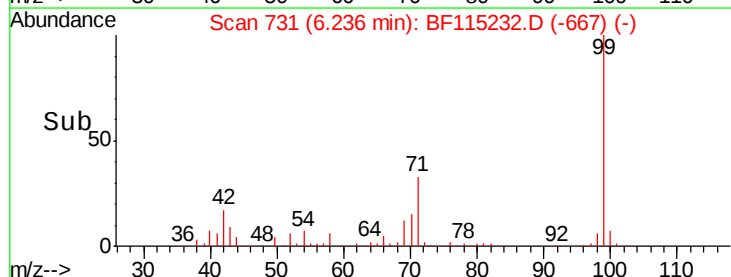
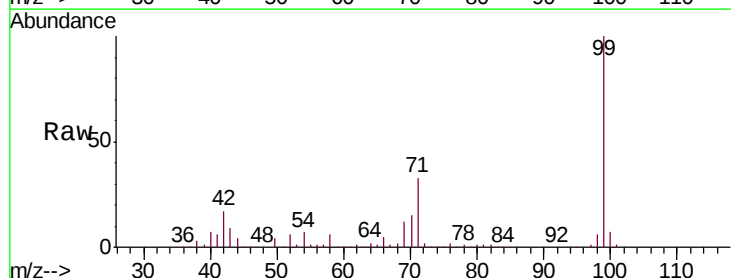
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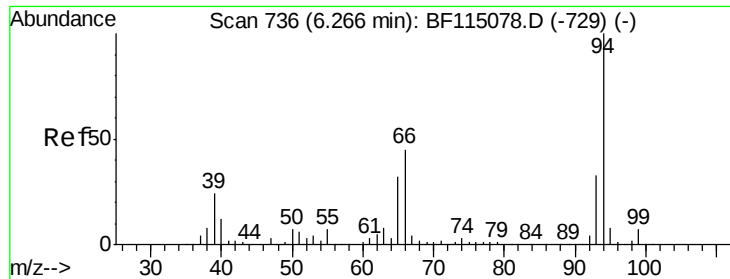
Tgt Ion:128 Resp: 437
Ion Ratio Lower Upper
128 100
130 123.4 12.9 52.9#
64 215.5 22.9 62.9#



#9
Benzaldehyde
Concen: 0.227 ng
RT: 6.24 min Scan# 731
Delta R.T. 0.08 min
Lab File: BF115232.D
Acq: 27 Jun 2019 13:24

Tgt Ion: 77 Resp: 2757
Ion Ratio Lower Upper
77 100
105 0.0 81.5 121.5#
106 0.0 79.7 119.7#

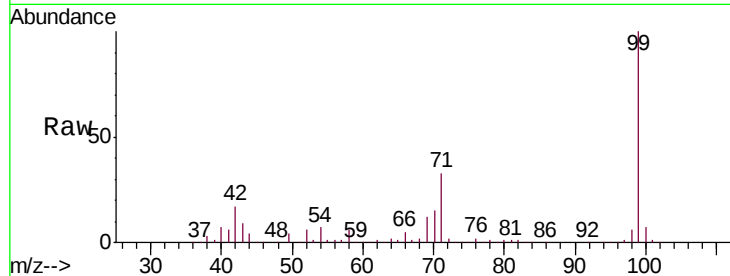




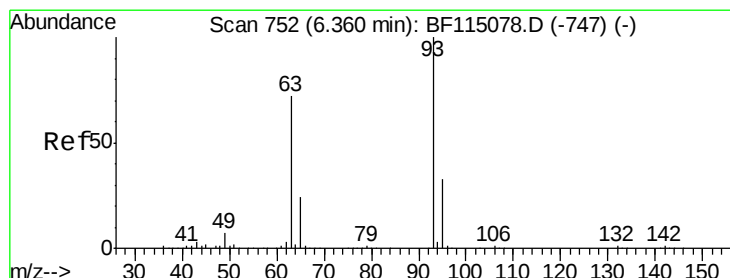
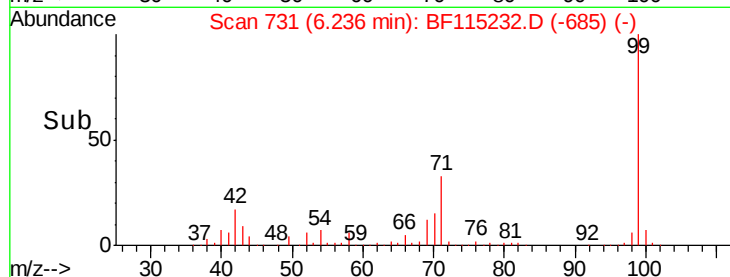
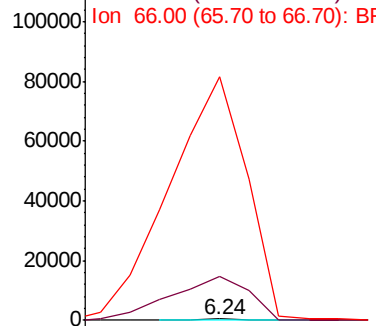
#10
Phenol
Concen: 0.011 ng
RT: 6.24 min Scan# 731
Delta R.T. -0.03 min
Lab File: BF115232.D
Acq: 27 Jun 2019 13:24

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Tgt Ion: 94 Resp: 238
Ion Ratio Lower Upper
94 100
65 3951.9 11.9 51.9#
66 21907.5 25.2 65.2#

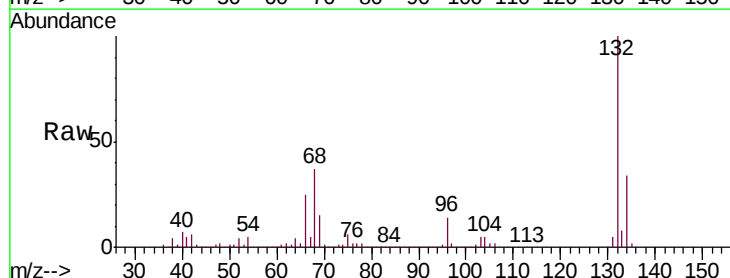


Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

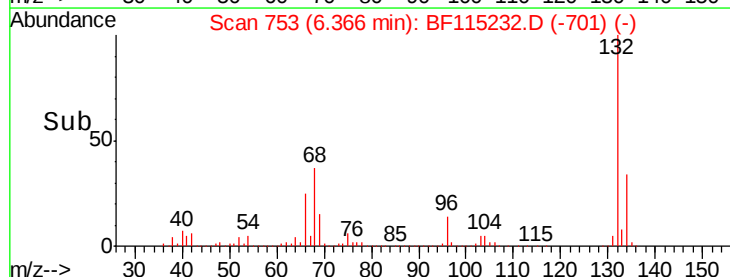
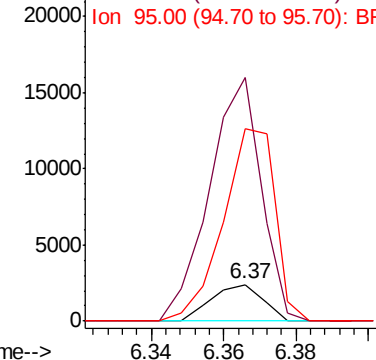


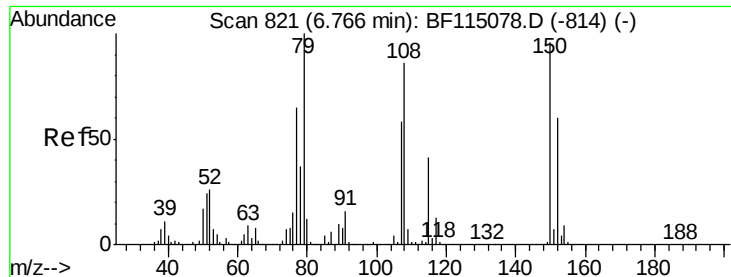
#11
bis(2-Chloroethyl)ether
Concen: 0.146 ng
RT: 6.37 min Scan# 753
Delta R.T. 0.01 min
Lab File: BF115232.D
Acq: 27 Jun 2019 13:24

Tgt Ion: 93 Resp: 2343
Ion Ratio Lower Upper
93 100
63 665.3 51.5 91.5#
95 527.0 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: 1.447 ng

RT: 6.75 min Scan# 819

Delta R.T. -0.01 min

Lab File: BF115232.D

Acq: 27 Jun 2019 13:24

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BNA_F

ClientSampleId :

PB120902TB

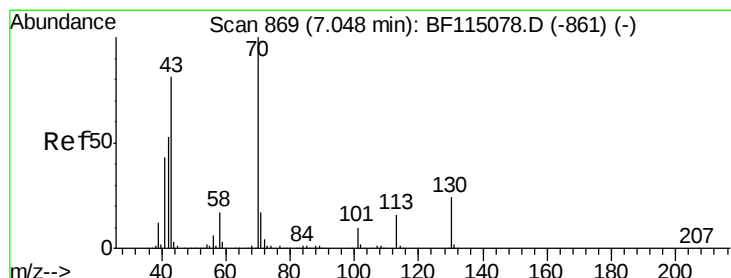
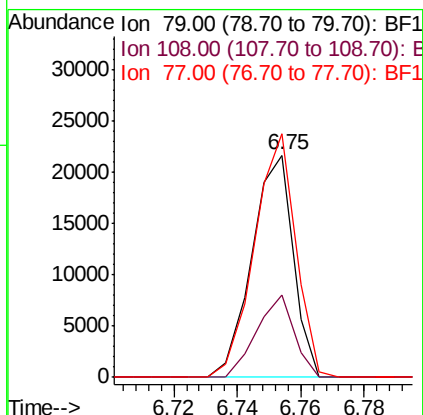
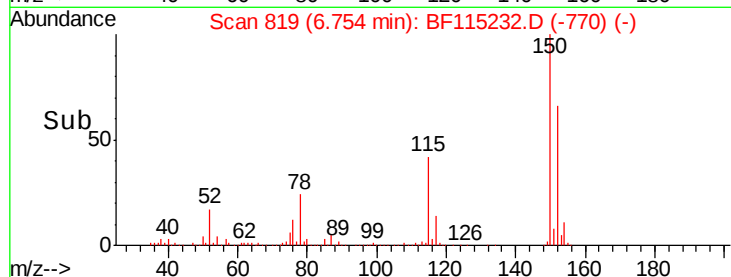
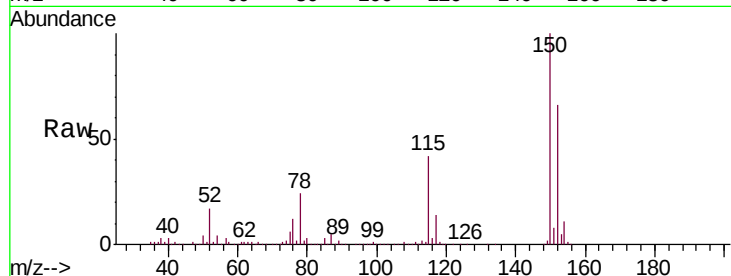
Tgt Ion: 79 Resp: 19594

Ion Ratio Lower Upper

79 100

108 37.3 68.7 103.1#

77 109.6 51.7 77.5#



#19

n-Nitroso-di-n-propylamine

Concen: 13.145 ng

RT: 7.15 min Scan# 887

Delta R.T. 0.11 min

Lab File: BF115232.D

Acq: 27 Jun 2019 13:24

Tgt Ion: 70 Resp: 156474

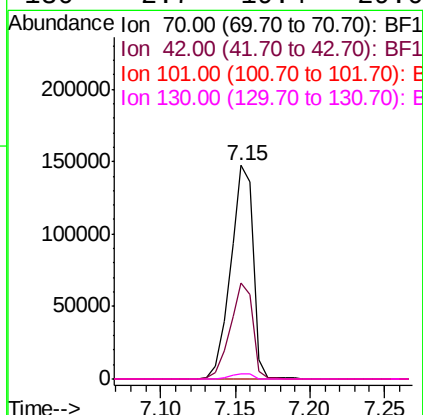
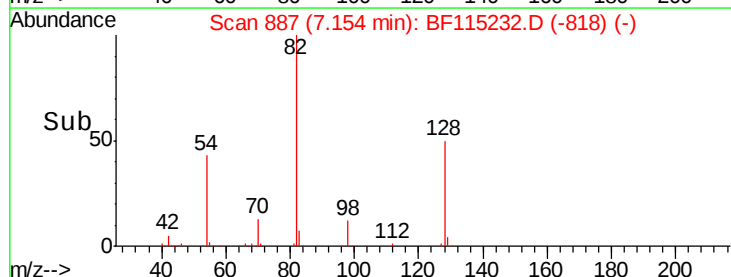
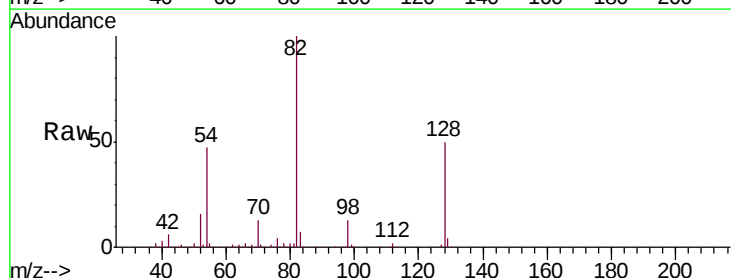
Ion Ratio Lower Upper

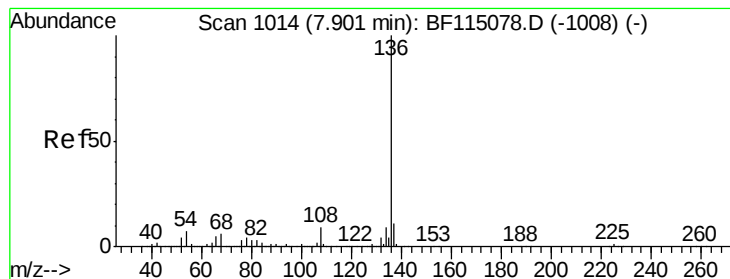
70 100

42 44.7 42.6 63.8

101 0.0 8.0 12.0#

130 2.7 19.4 29.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.88 min Scan# 1010

Delta R.T. -0.02 min

Lab File: BF115232.D

Acq: 27 Jun 2019 13:24

Instrument :

BNA_F

ClientSampled :

PB120902TB

Tgt Ion:136 Resp: 888436

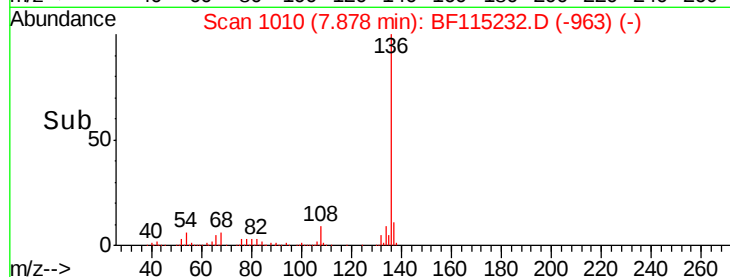
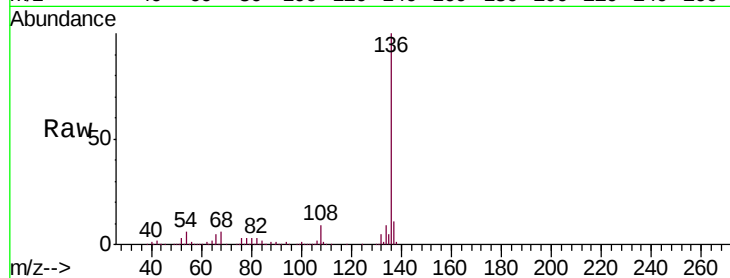
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 6.4 5.6 8.4

68 5.7 4.8 7.2



Abundance Ion 136.00 (135.70 to 136.70): E

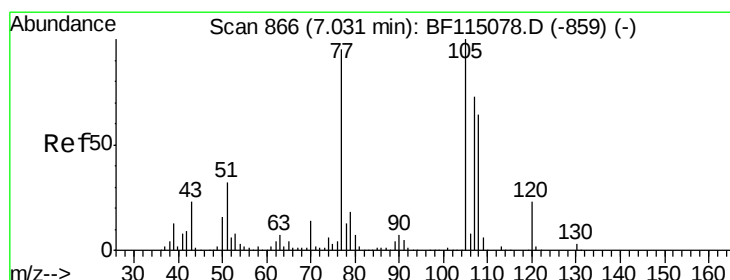
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

Time-->

7.85 7.90



#22

Acetophenone

Concen: 0.014 ng

RT: 6.75 min Scan# 818

Delta R.T. -0.28 min

Lab File: BF115232.D

Acq: 27 Jun 2019 13:24

Tgt Ion:105 Resp: 277

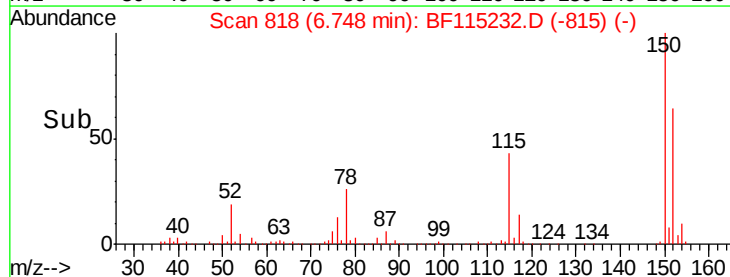
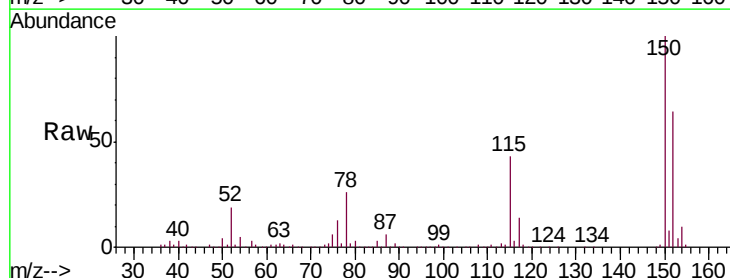
Ion Ratio Lower Upper

105 100

71 424.4 1.9 2.9#

51 1736.0 25.8 38.8#

120 270.8 18.5 27.7#



Abundance Ion 105.00 (104.70 to 105.70): E

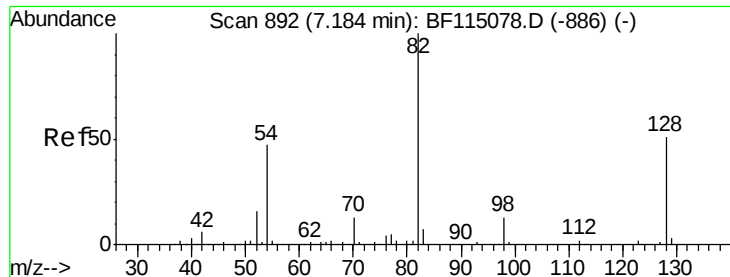
Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

Time-->

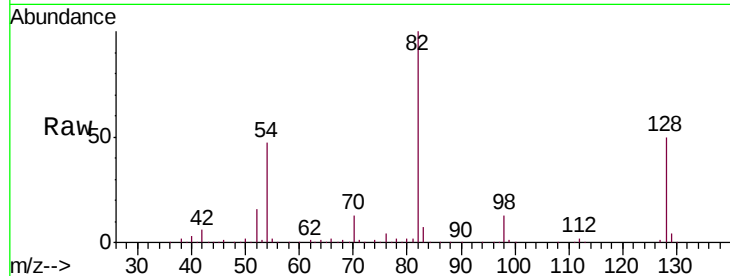
6.74 6.76



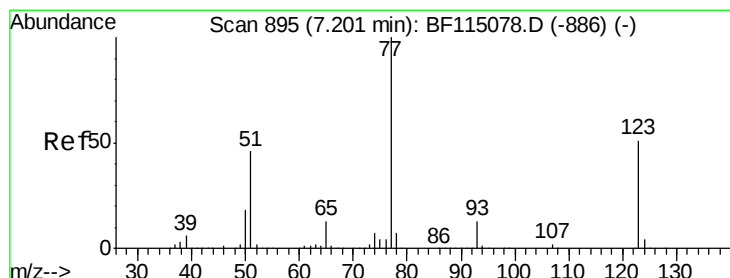
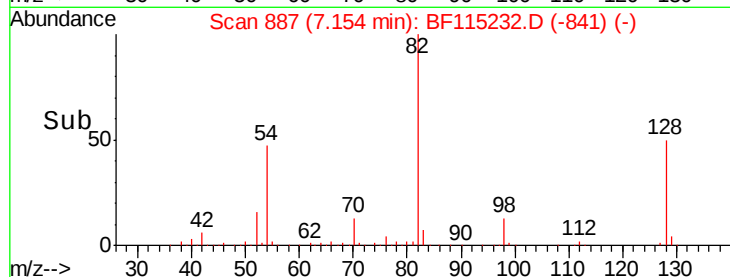
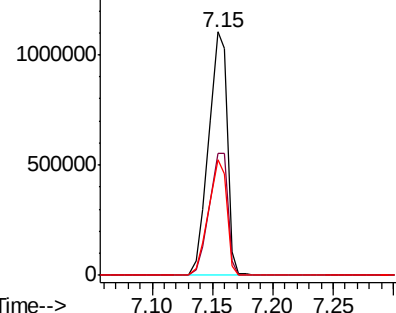
#23
Nitrobenzene-d5
Concen: 81.665 ng
RT: 7.15 min Scan# 887
Delta R.T. -0.03 min
Lab File: BF115232.D
Acq: 27 Jun 2019 13:24

Instrument :
BNA_F
ClientSampleId :
PB120902TB

Tgt Ion: 82 Resp: 1179450
Ion Ratio Lower Upper
82 100
128 50.1 40.4 60.6
54 47.4 37.5 56.3

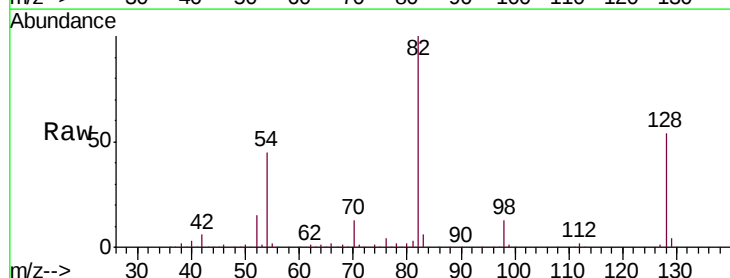


Abundance Ion 82.00 (81.70 to 82.70): BF1
1500000 Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

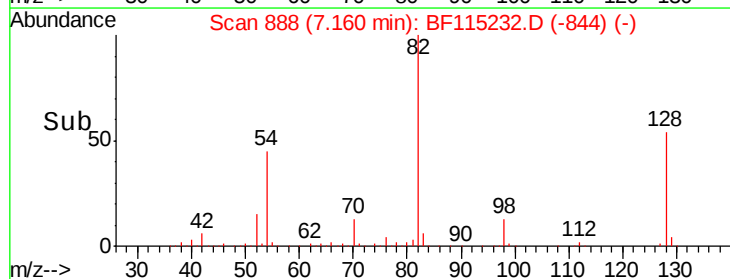
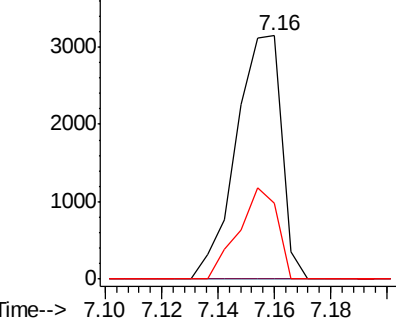


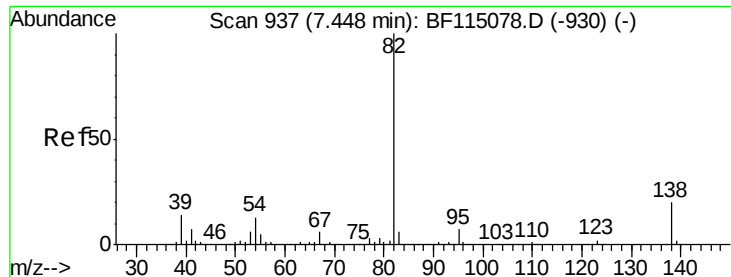
#24
Nitrobenzene
Concen: 0.221 ng
RT: 7.16 min Scan# 888
Delta R.T. -0.04 min
Lab File: BF115232.D
Acq: 27 Jun 2019 13:24

Tgt Ion: 77 Resp: 3523
Ion Ratio Lower Upper
77 100
123 0.0 41.0 61.6#
65 31.0 10.5 15.7#



Abundance Ion 77.00 (76.70 to 77.70): BF1
4000 Ion 123.00 (122.70 to 123.70): BF1
Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 38.884 ng

RT: 7.15 min Scan# 887

Delta R.T. -0.29 min

Lab File: BF115232.D

Acq: 27 Jun 2019 13:24

Instrument :

BNA_F

ClientSampleId :

PB120902TB

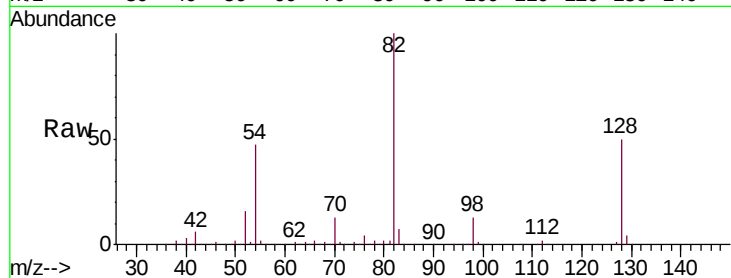
Tgt Ion: 82 Resp: 1150425

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

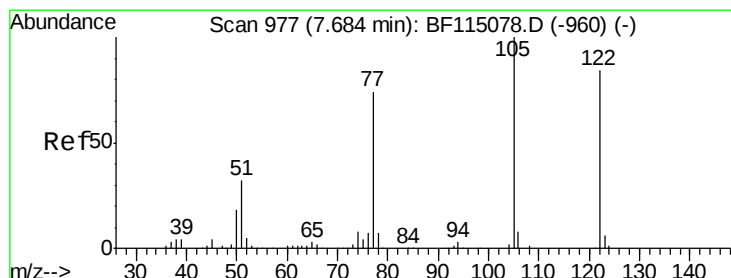
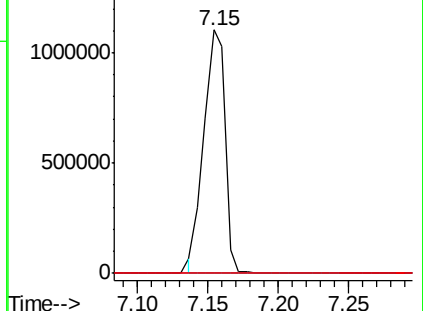
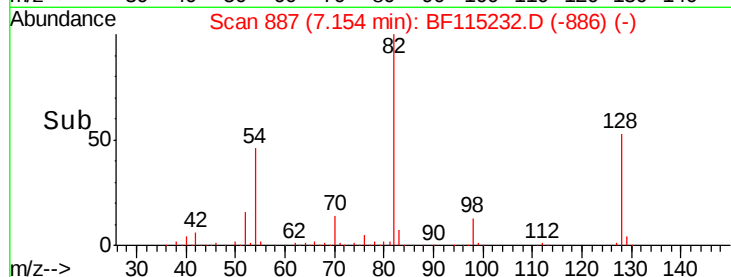
138 0.0 15.9 23.9#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#32

Benzoic acid

Concen: 0.012 ng

RT: 7.87 min Scan# 1009

Delta R.T. 0.19 min

Lab File: BF115232.D

Acq: 27 Jun 2019 13:24

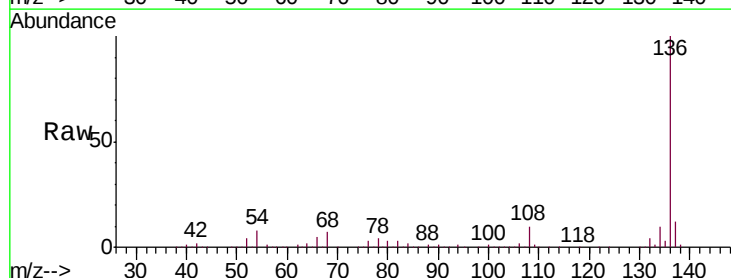
Tgt Ion: 122 Resp: 107

Ion Ratio Lower Upper

122 100

105 226.0 98.2 138.2#

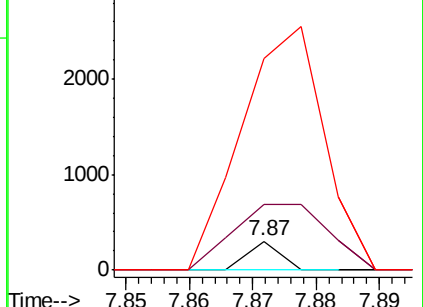
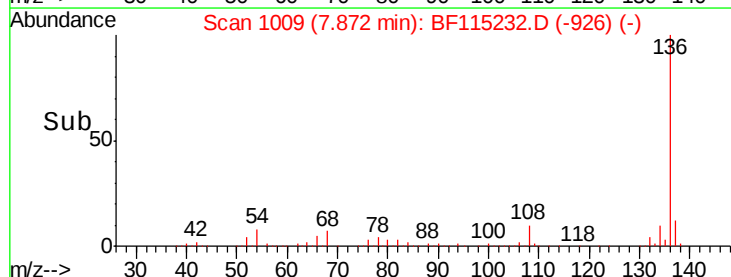
77 730.6 67.0 107.0#

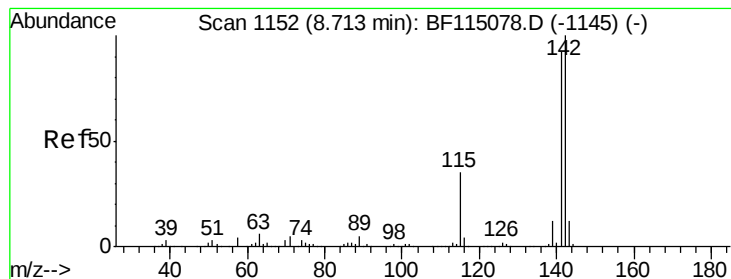


Abundance Ion 122.00 (121.70 to 122.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 77.00 (76.70 to 77.70): BF1





#38

1-Methylnaphthalene

Concen: 0.035 ng

RT: 8.95 min Scan# 1193

Delta R.T. 0.24 min

Lab File: BF115232.D

Acq: 27 Jun 2019 13:24

Instrument :

BNA_F

ClientSampleId :

PB120902TB

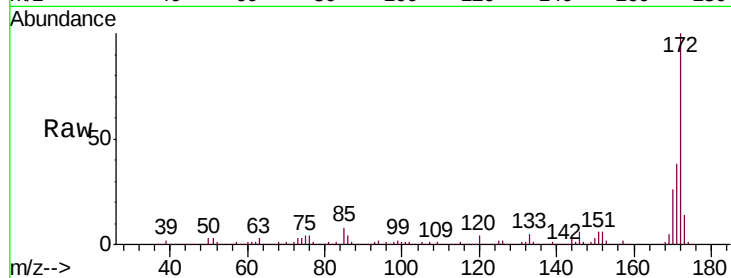
Tgt Ion:142 Resp: 987

Ion Ratio Lower Upper

142 100

141 87.6 73.8 110.8

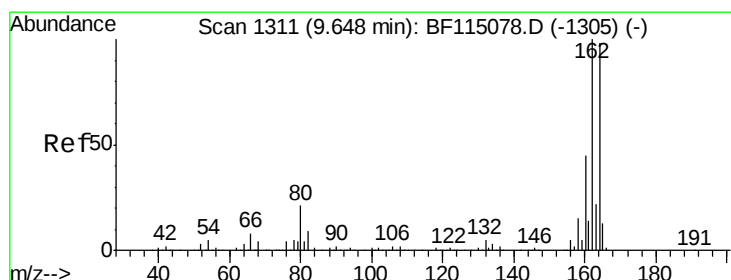
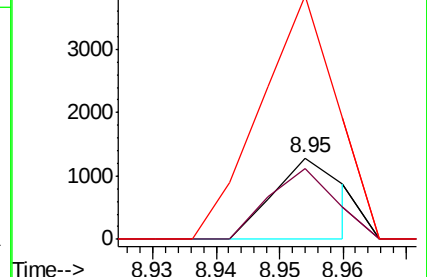
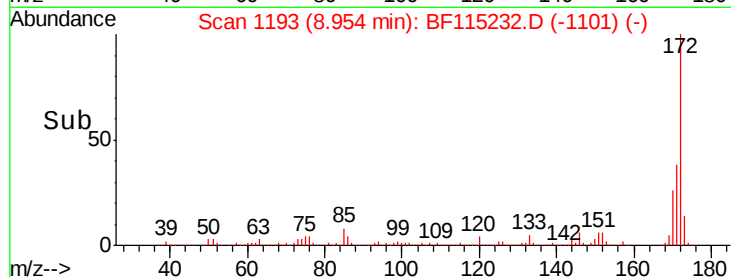
116 299.6 2.8 4.2#



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: 9.62 min Scan# 1306

Delta R.T. -0.03 min

Lab File: BF115232.D

Acq: 27 Jun 2019 13:24

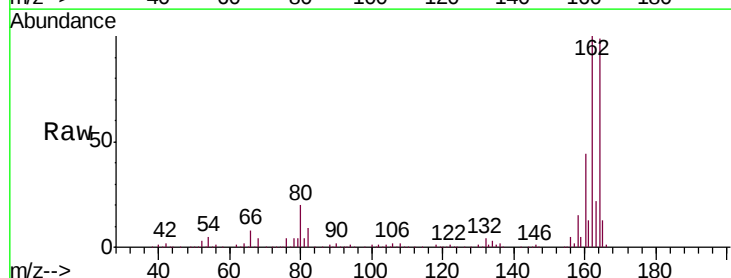
Tgt Ion:164 Resp: 456141

Ion Ratio Lower Upper

164 100

162 101.2 81.7 122.5

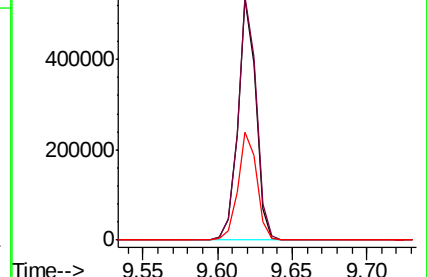
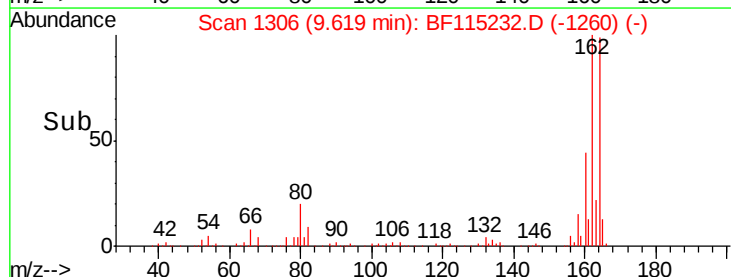
160 45.0 37.0 55.4

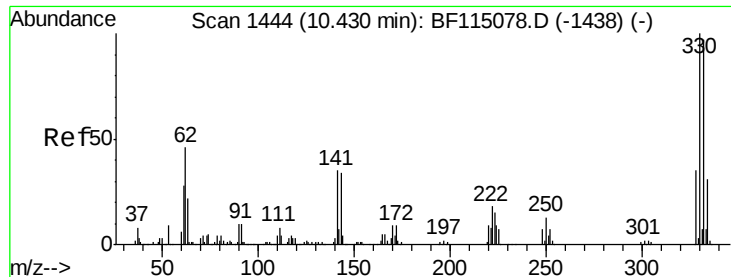


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

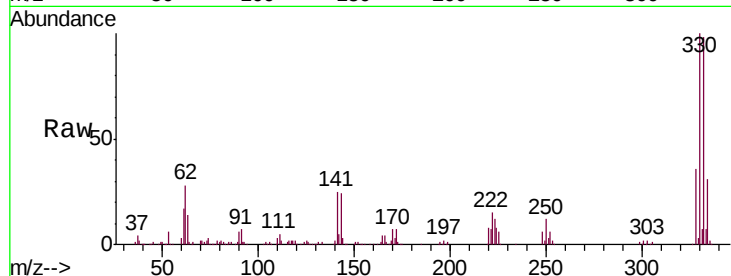




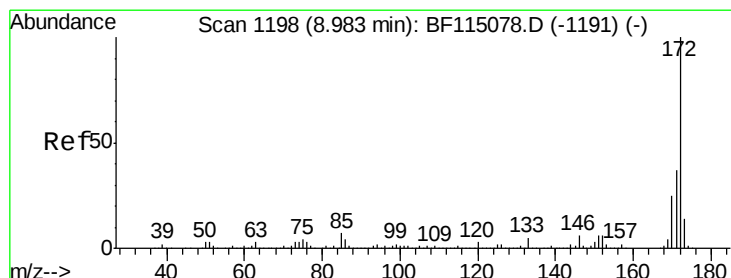
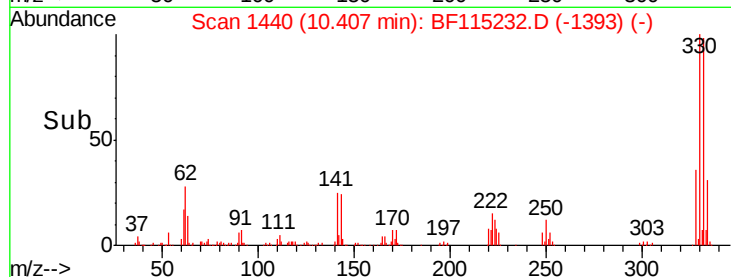
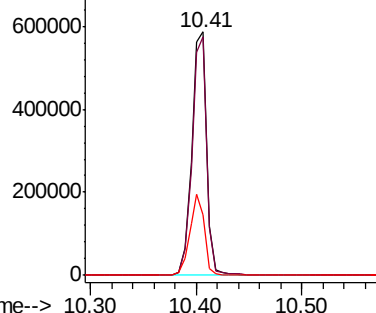
#42
 2,4,6-Tribromophenol
 Concen: 121.551 ng
 RT: 10.41 min Scan# 1440
 Delta R.T. -0.02 min
 Lab File: BF115232.D
 Acq: 27 Jun 2019 13:24

Instrument :
 BNA_F
 ClientSampleId :
 PB120902TB

Tgt Ion:330 Resp: 584681
 Ion Ratio Lower Upper
 330 100
 332 96.7 77.3 115.9
 141 32.6 28.2 42.2

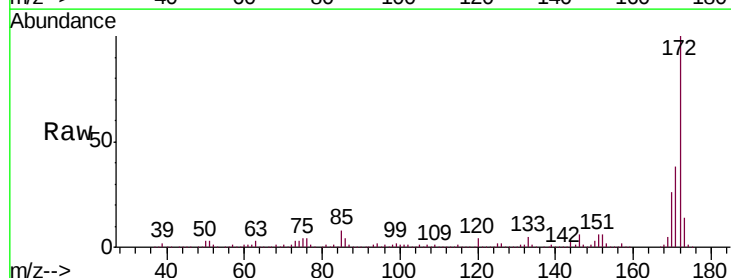


Abundance Ion 329.80 (329.50 to 330.50): E
 800000 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

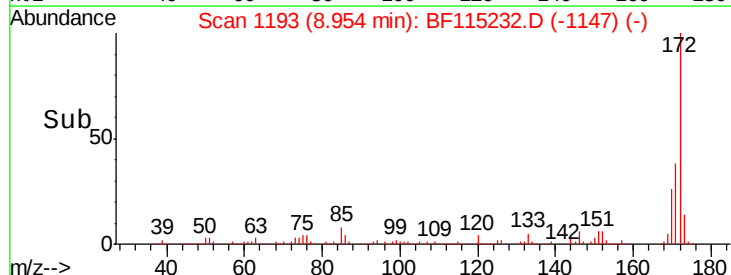
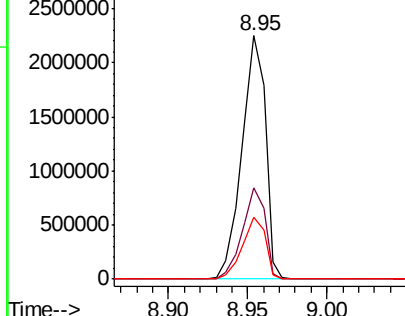


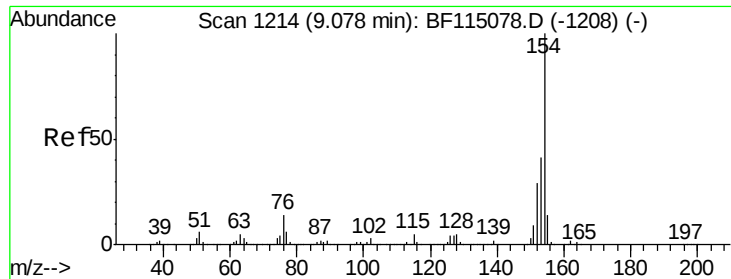
#45
 2-Fluorobiphenyl
 Concen: 86.068 ng
 RT: 8.95 min Scan# 1193
 Delta R.T. -0.03 min
 Lab File: BF115232.D
 Acq: 27 Jun 2019 13:24

Tgt Ion:172 Resp: 2311230
 Ion Ratio Lower Upper
 172 100
 171 37.7 29.8 44.6
 170 25.5 20.3 30.5



Abundance Ion 172.00 (171.70 to 172.70): E
 3000000 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

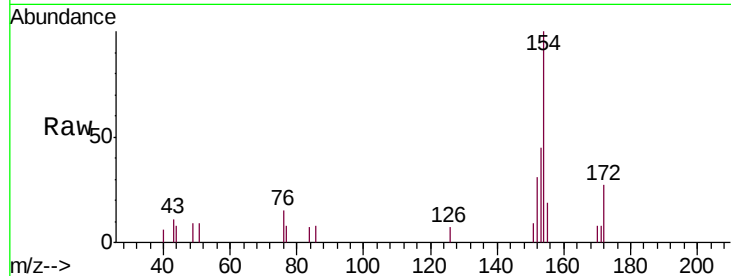




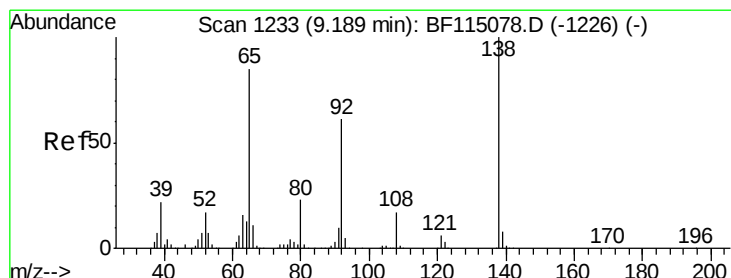
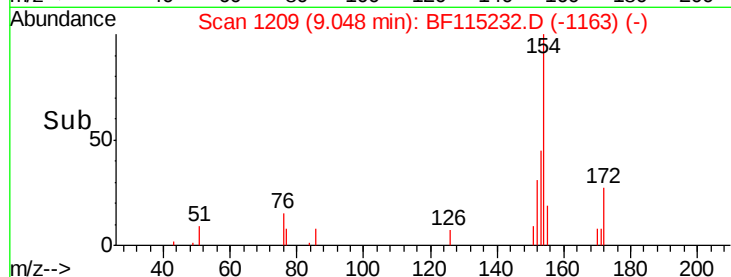
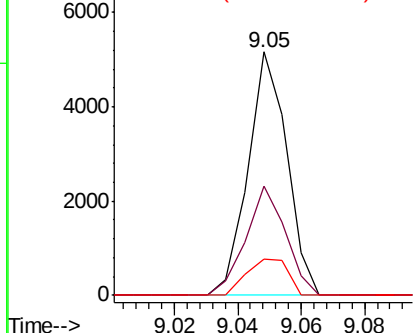
#46
1,1'-Biphenyl
Concen: 0.120 ng
RT: 9.05 min Scan# 1209
Delta R.T. -0.03 min
Lab File: BF115232.D
Acq: 27 Jun 2019 13:24

Instrument :
BNA_F
ClientSampleId :
PB120902TB

Tgt Ion:	154	Resp:	4383
Ion	Ratio	Lower	Upper
154	100		
153	44.9	20.9	60.9
76	14.7	0.0	34.1

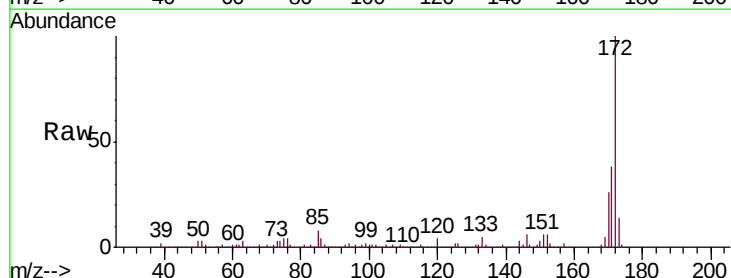


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1

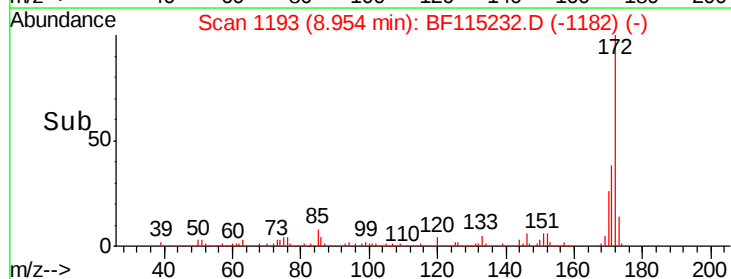
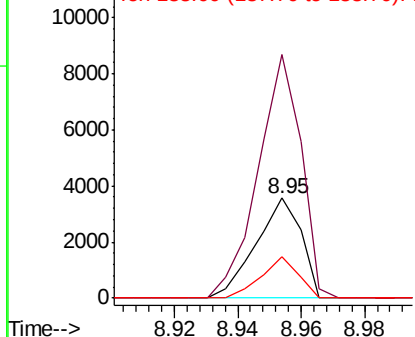


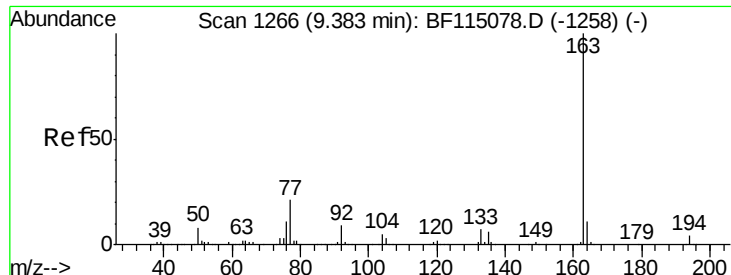
#48
2-Nitroaniline
Concen: 0.409 ng
RT: 8.95 min Scan# 1193
Delta R.T. -0.24 min
Lab File: BF115232.D
Acq: 27 Jun 2019 13:24

Tgt Ion:	65	Resp:	3530
Ion	Ratio	Lower	Upper
65	100		
92	243.7	57.4	86.2#
138	41.9	94.1	141.1#



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

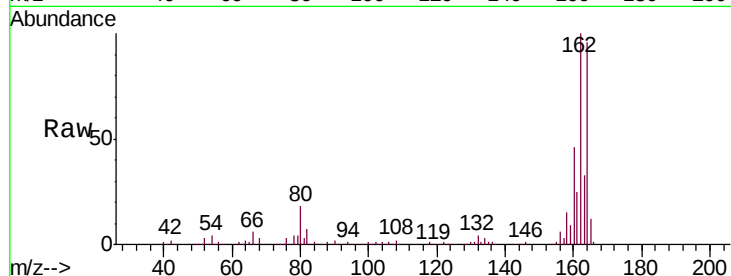




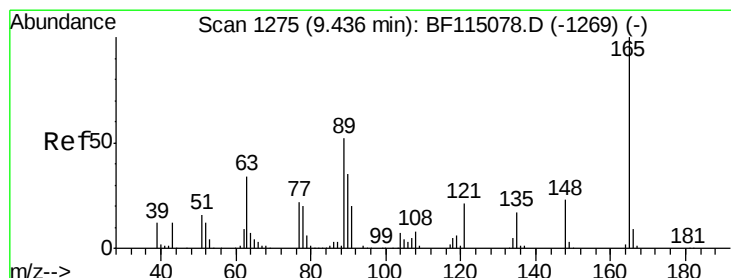
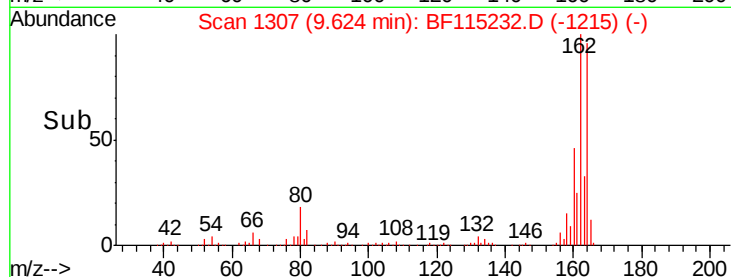
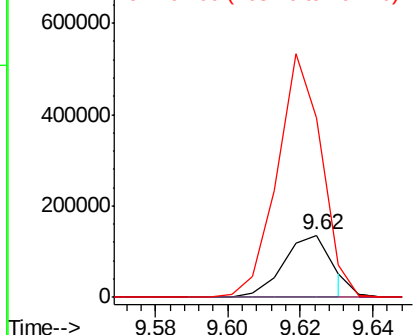
#50
Dimethylphthalate
Concen: 3.752 ng
RT: 9.62 min Scan# 1307
Delta R.T. 0.24 min
Lab File: BF115232.D
Acq: 27 Jun 2019 13:24

Instrument :
BNA_F
ClientSampleId :
PB120902TB

Tgt Ion:163 Resp: 125903
Ion Ratio Lower Upper
163 100
194 0.0 3.2 4.8#
164 288.8 8.6 13.0#

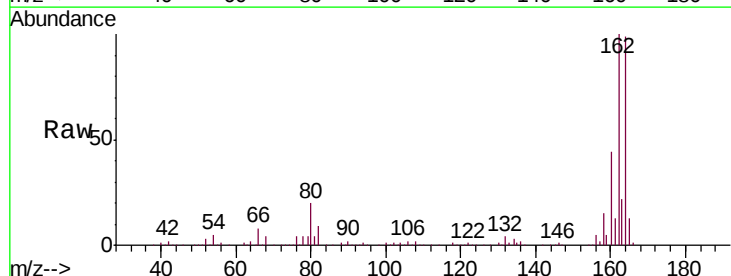


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

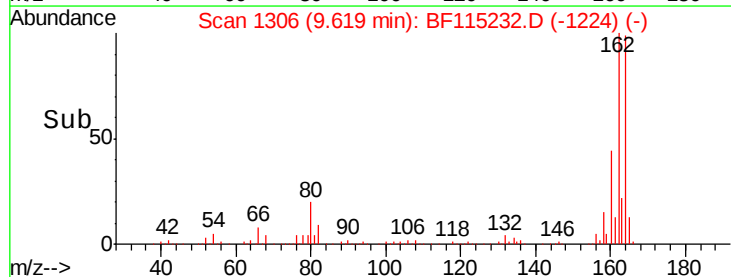
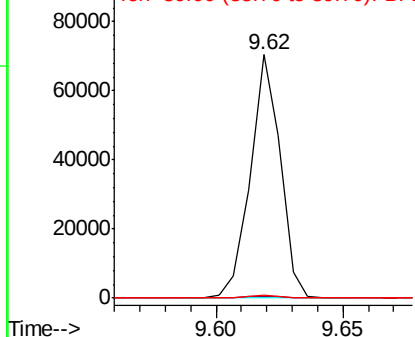


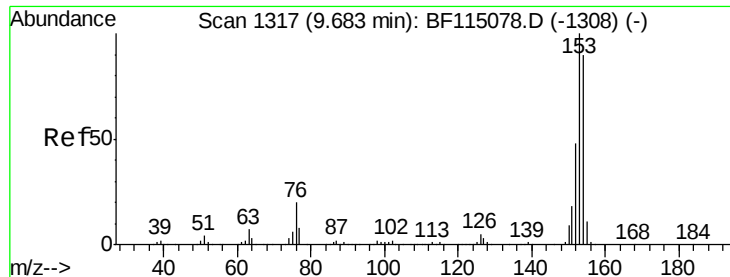
#51
2,6-Dinitrotoluene
Concen: 7.487 ng
RT: 9.62 min Scan# 1306
Delta R.T. 0.18 min
Lab File: BF115232.D
Acq: 27 Jun 2019 13:24

Tgt Ion:165 Resp: 58010
Ion Ratio Lower Upper
165 100
63 0.9 39.4 59.2#
89 1.3 42.0 63.0#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1





#52

Acenaphthene

Concen: 0.055 ng

RT: 9.62 min Scan# 1306

Delta R.T. -0.06 min

Lab File: BF115232.D

Acq: 27 Jun 2019 13:24

Instrument :

BNA_F

ClientSampleId :

PB120902TB

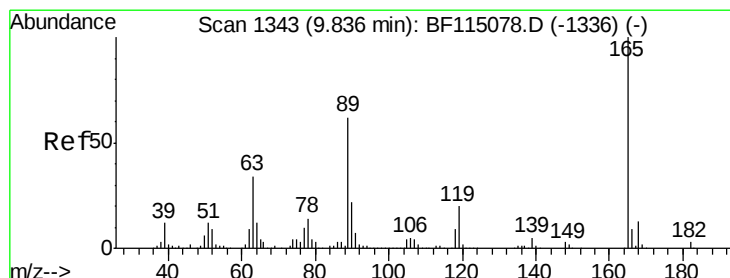
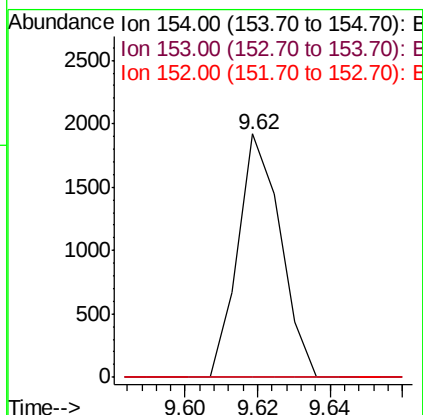
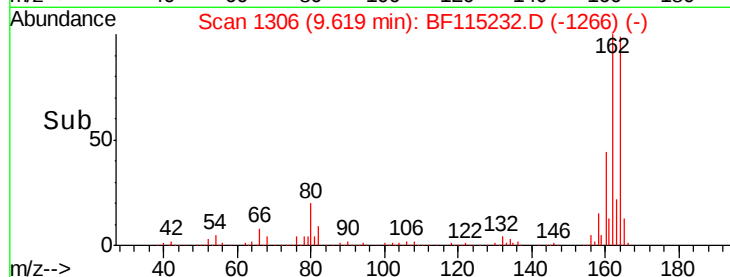
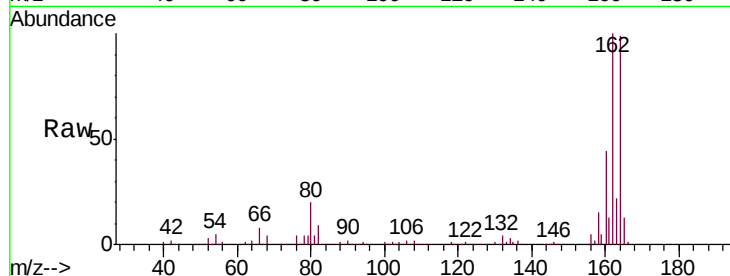
Tgt Ion:154 Resp: 1582

Ion Ratio Lower Upper

154 100

153 0.0 88.7 133.1#

152 0.0 42.6 64.0#



#57

2,4-Dinitrotoluene

Concen: 5.799 ng

RT: 9.62 min Scan# 1306

Delta R.T. -0.22 min

Lab File: BF115232.D

Acq: 27 Jun 2019 13:24

Tgt Ion:165 Resp: 58010

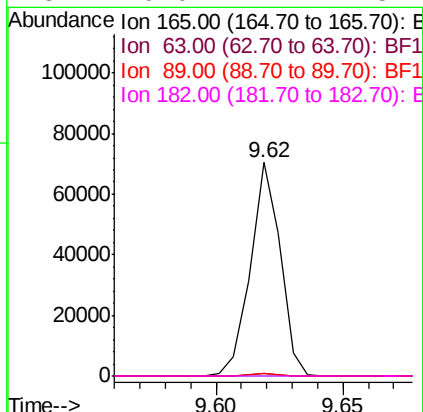
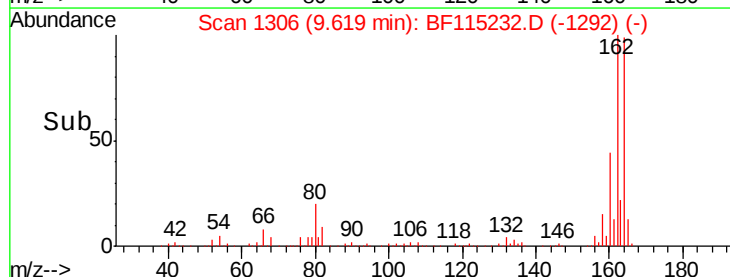
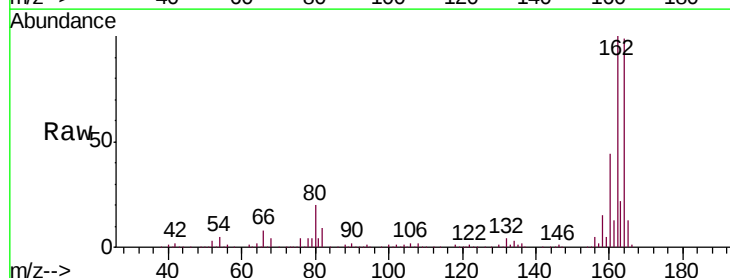
Ion Ratio Lower Upper

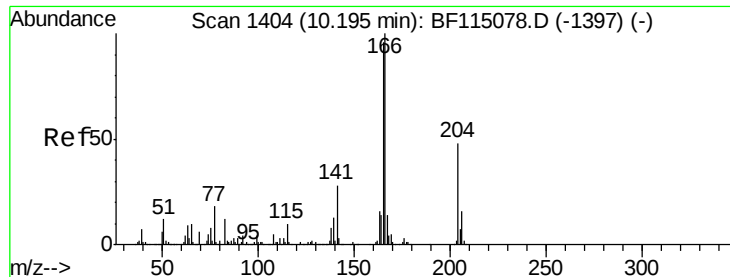
165 100

63 0.9 27.5 41.3#

89 1.3 49.9 74.9#

182 0.0 2.1 3.1#





#58

Fluorene

Concen: Below Cal

RT: 10.40 min Scan# 1439

Delta R.T. 0.21 min

Lab File: BF115232.D

Acq: 27 Jun 2019 13:24

Instrument :

BNA_F

ClientSampleId :

PB120902TB

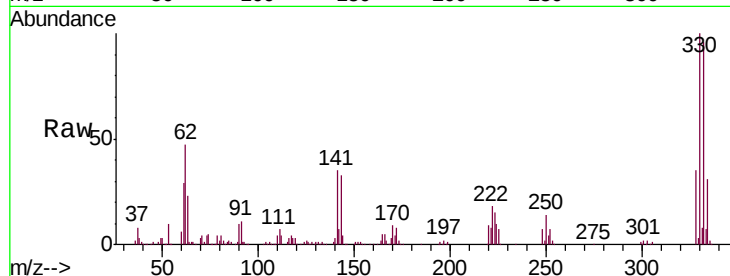
Tgt Ion: 166 Resp: 26659

Ion Ratio Lower Upper

166 100

165 101.0 76.5 114.7

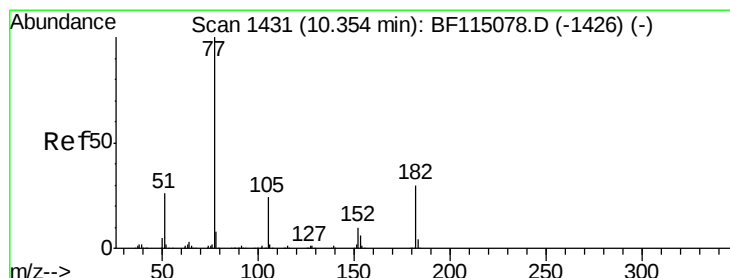
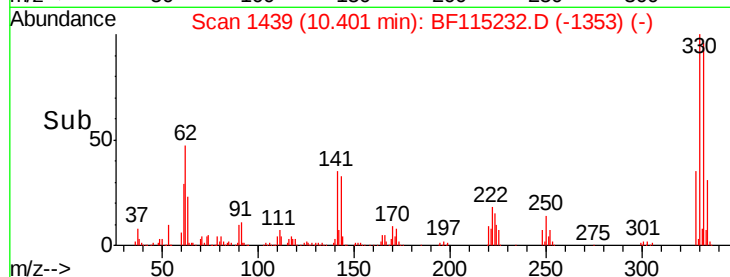
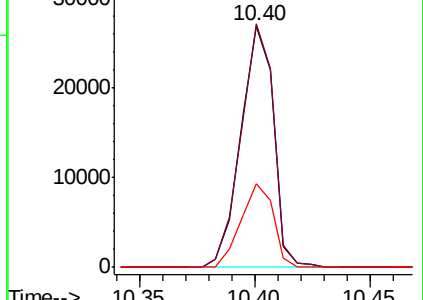
167 39.3 11.0 16.4#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Azobenzene

Concen: 0.075 ng

RT: 10.40 min Scan# 1439

Delta R.T. 0.05 min

Lab File: BF115232.D

Acq: 27 Jun 2019 13:24

Tgt Ion: 77 Resp: 2365

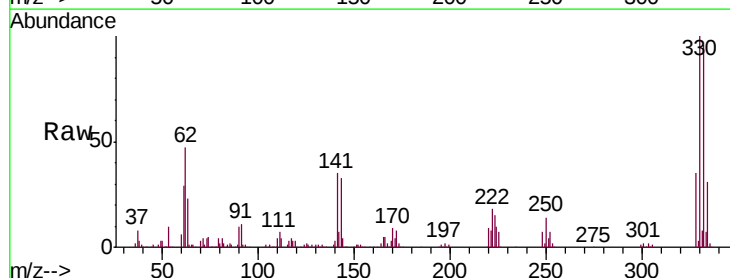
Ion Ratio Lower Upper

77 100

182 0.0 10.1 50.1#

105 99.1 4.5 44.5#

51 84.2 6.4 46.4#

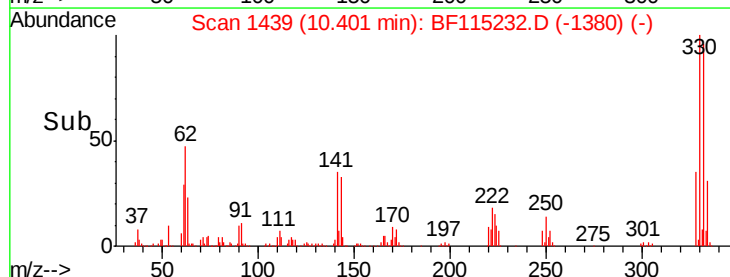
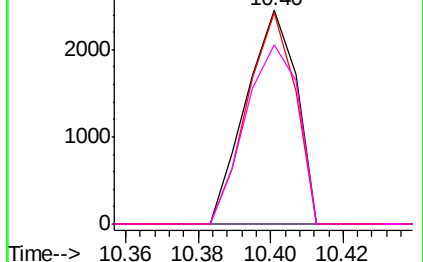


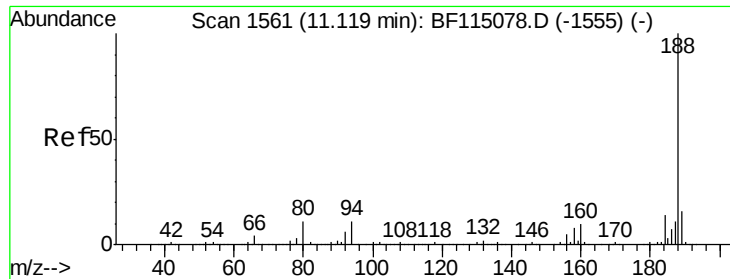
Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1

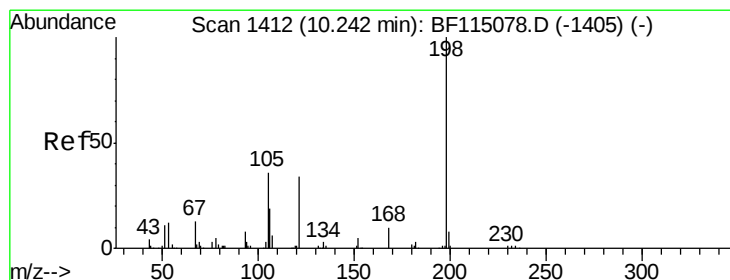
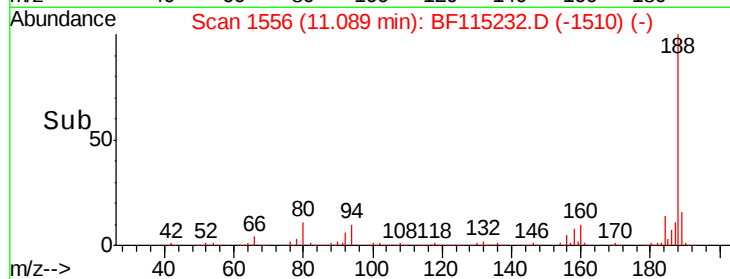
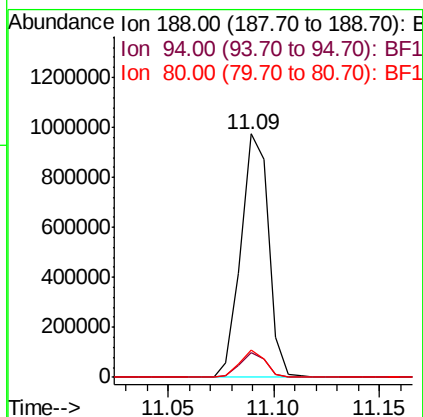
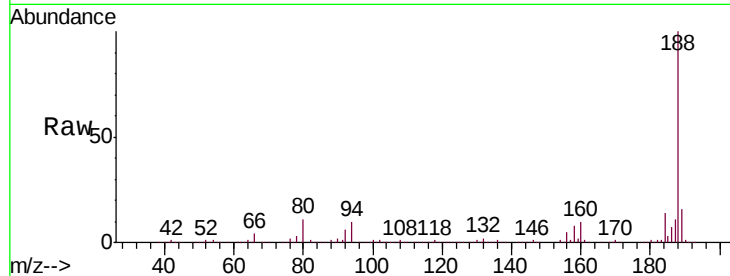




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.09 min Scan# 1556
 Delta R.T. -0.03 min
 Lab File: BF115232.D
 Acq: 27 Jun 2019 13:24

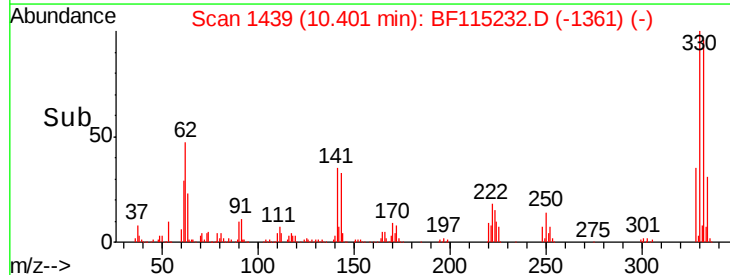
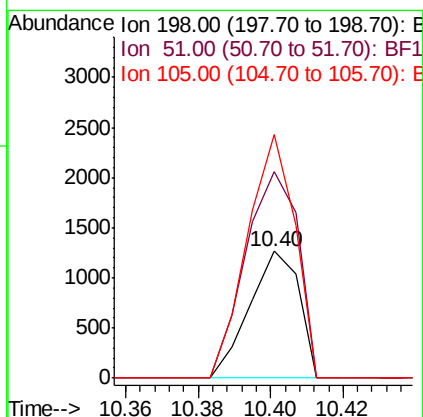
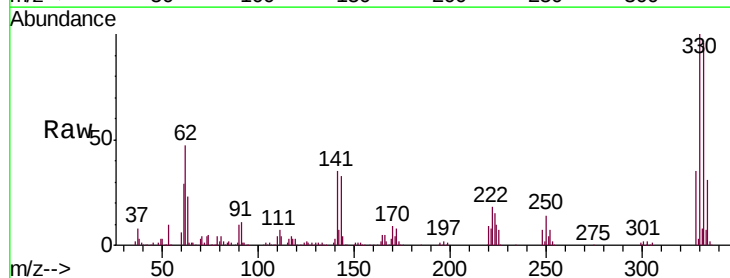
Instrument :
 BNA_F
 ClientSampleId :
 PB120902TB

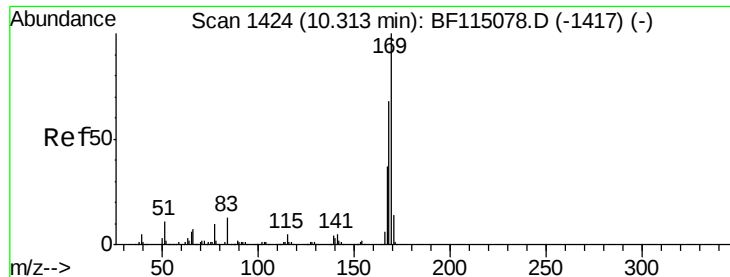
Tgt Ion:188 Resp: 885411
 Ion Ratio Lower Upper
 188 100
 94 10.4 8.6 12.8
 80 11.1 8.8 13.2



#65
 4,6-Dinitro-2-methylphenol
 Concen: 5.188 ng
 RT: 10.40 min Scan# 1439
 Delta R.T. 0.16 min
 Lab File: BF115232.D
 Acq: 27 Jun 2019 13:24

Tgt Ion:198 Resp: 1198
 Ion Ratio Lower Upper
 198 100
 51 162.8 11.0 51.0#
 105 191.6 17.3 57.3#

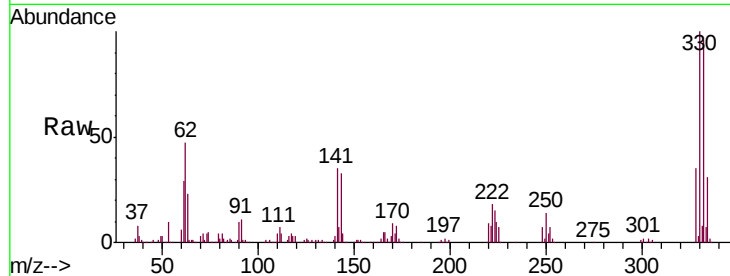




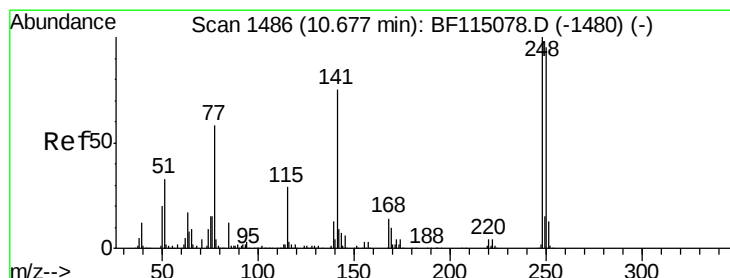
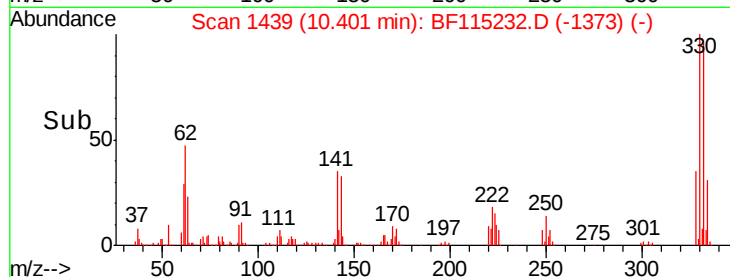
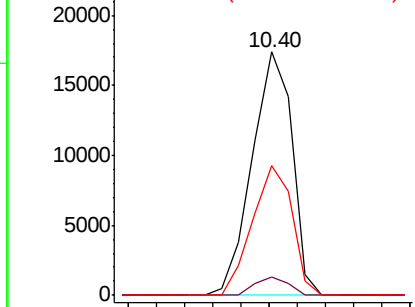
#66
 n-Nitrosodiphenylamine
 Concen: 0.618 ng
 RT: 10.40 min Scan# 1439
 Delta R.T. 0.09 min
 Lab File: BF115232.D
 Acq: 27 Jun 2019 13:24

Instrument :
 BNA_F
 ClientSampleId :
 PB120902TB

Tgt Ion:169 Resp: 17060
 Ion Ratio Lower Upper
 169 100
 168 7.3 54.2 81.4#
 167 60.7 29.4 44.0#

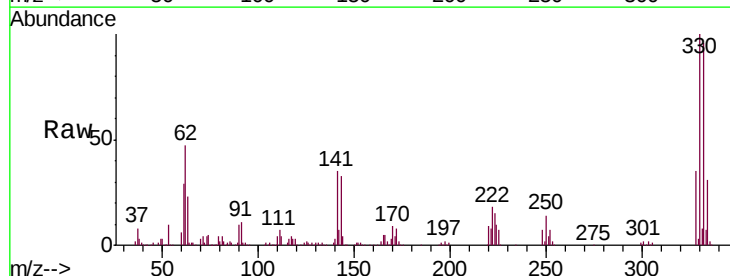


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

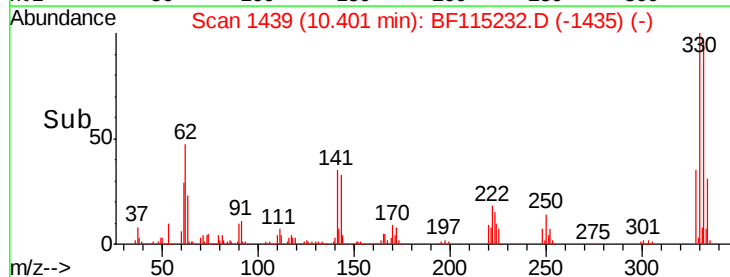
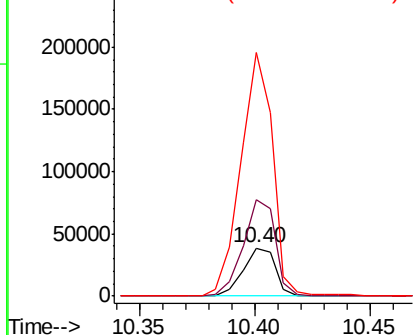


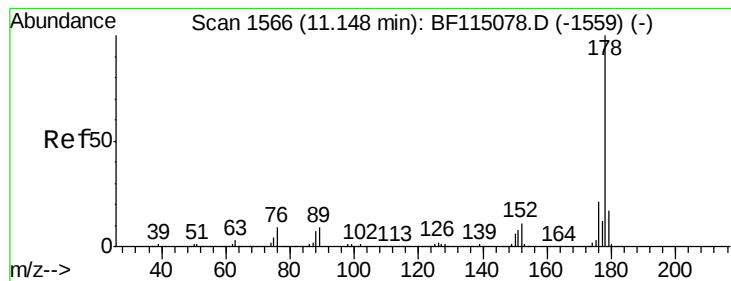
#67
 4-Bromophenyl-phenylether
 Concen: 3.930 ng
 RT: 10.40 min Scan# 1439
 Delta R.T. -0.28 min
 Lab File: BF115232.D
 Acq: 27 Jun 2019 13:24

Tgt Ion:248 Resp: 37726
 Ion Ratio Lower Upper
 248 100
 250 199.9 76.2 114.2#
 141 506.5 59.6 89.4#



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





#71

Phenanthrene

Concen: 0.020 ng

RT: 11.11 min Scan# 1560

Delta R.T. -0.04 min

Lab File: BF115232.D

Acq: 27 Jun 2019 13:24

Instrument :

BNA_F

ClientSampleId :

PB120902TB

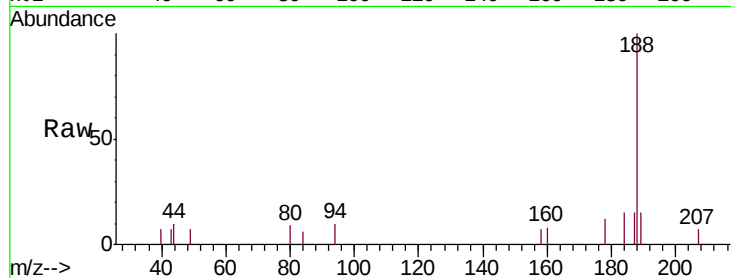
Tgt Ion:178 Resp: 966

Ion Ratio Lower Upper

178 100

176 0.0 16.9 25.3#

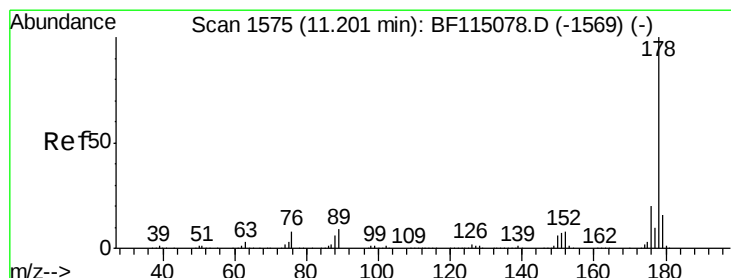
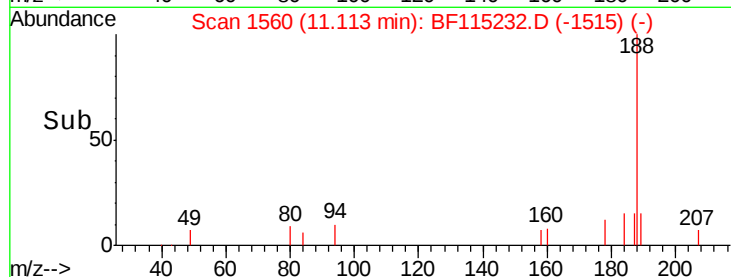
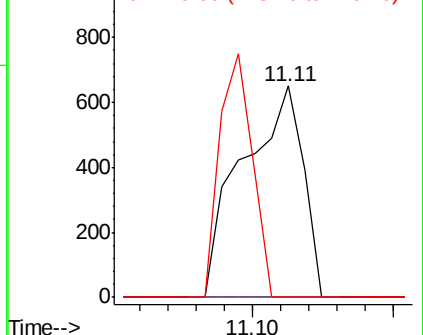
179 0.0 13.2 19.8#



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: 0.006 ng

RT: 11.16 min Scan# 1568

Delta R.T. -0.04 min

Lab File: BF115232.D

Acq: 27 Jun 2019 13:24

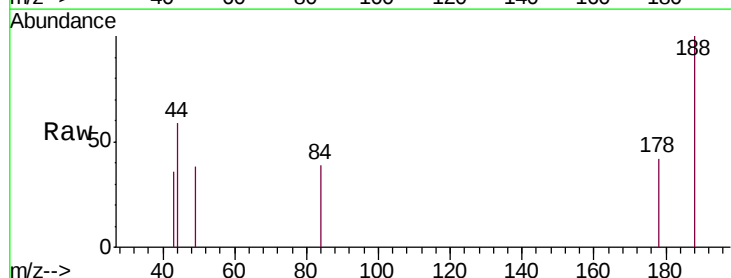
Tgt Ion:178 Resp: 270

Ion Ratio Lower Upper

178 100

176 0.0 16.1 24.1#

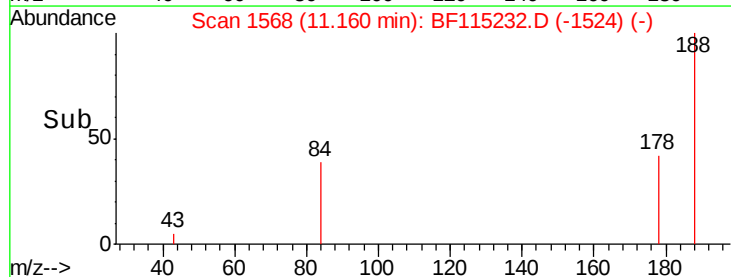
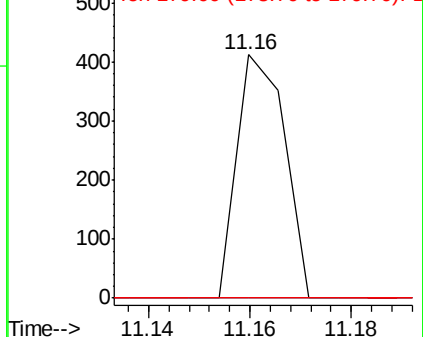
179 0.0 12.9 19.3#

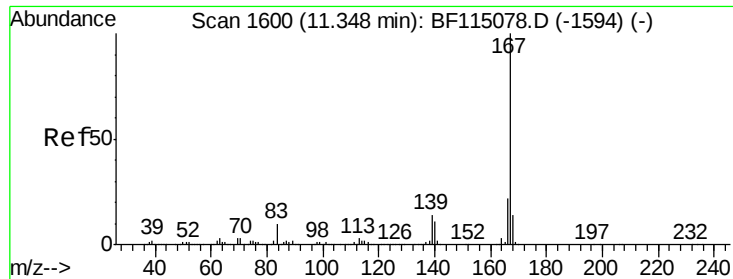


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

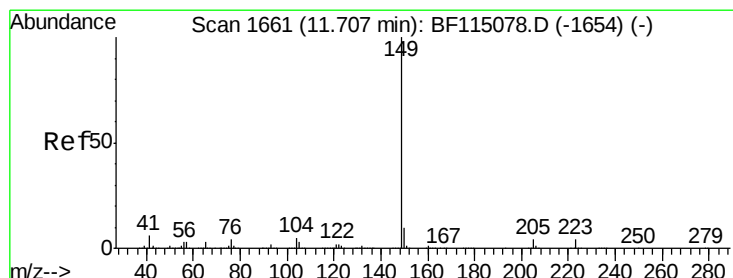
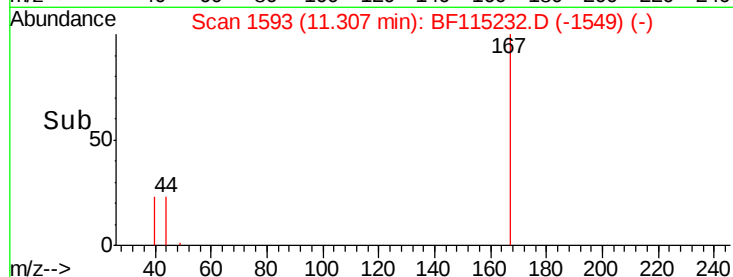
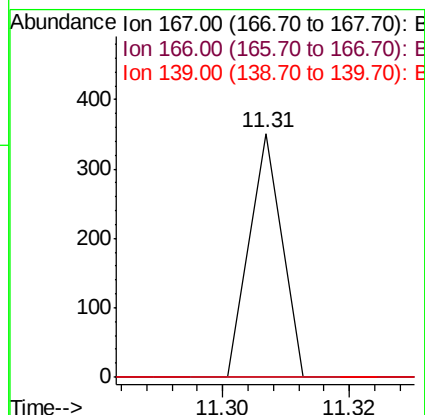
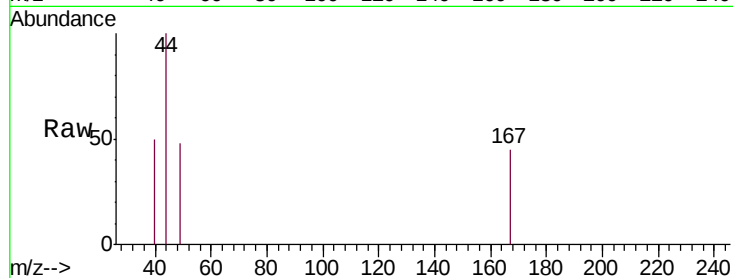




#73
 Carbazole
 Concen: 0.003 ng
 RT: 11.31 min Scan# 1593
 Delta R.T. -0.04 min
 Lab File: BF115232.D
 Acq: 27 Jun 2019 13:24

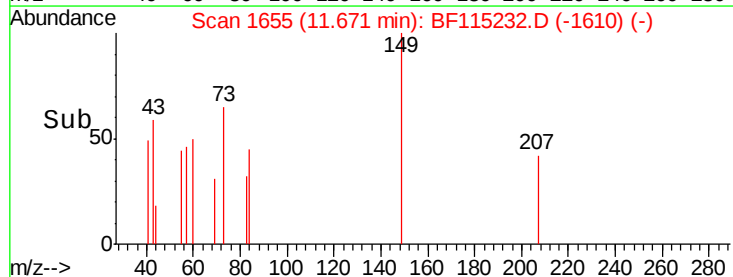
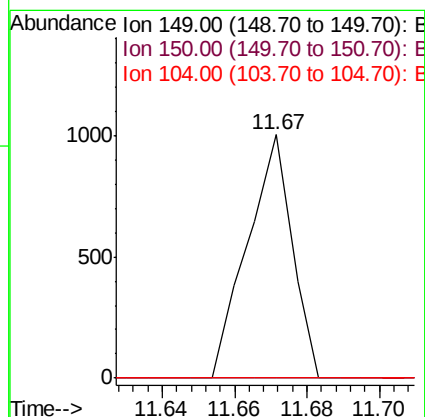
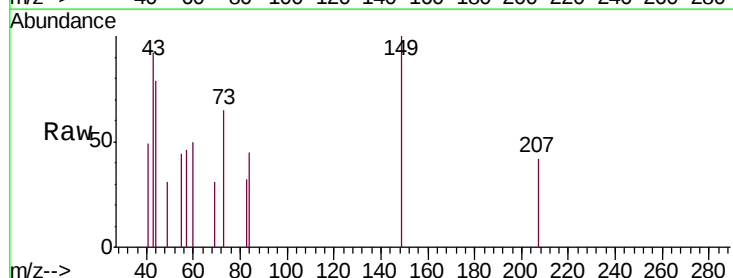
Instrument :
 BNA_F
 ClientSampleId :
 PB120902TB

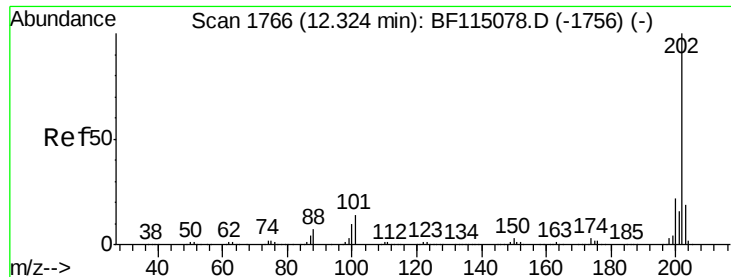
Tgt Ion:167 Resp: 124
 Ion Ratio Lower Upper
 167 100
 166 0.0 18.0 27.0#
 139 0.0 11.1 16.7#



#74
 Di-n-butylphthalate
 Concen: 0.017 ng
 RT: 11.67 min Scan# 1655
 Delta R.T. -0.04 min
 Lab File: BF115232.D
 Acq: 27 Jun 2019 13:24

Tgt Ion:149 Resp: 857
 Ion Ratio Lower Upper
 149 100
 150 0.0 7.8 11.8#
 104 0.0 3.7 5.5#

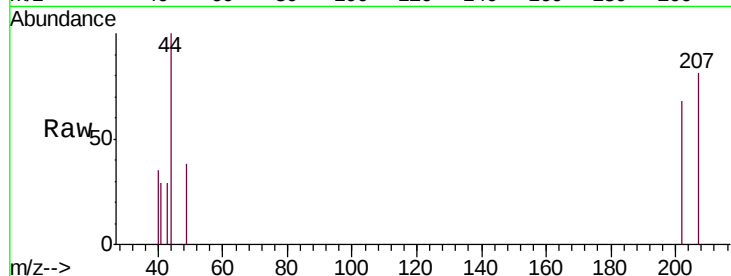




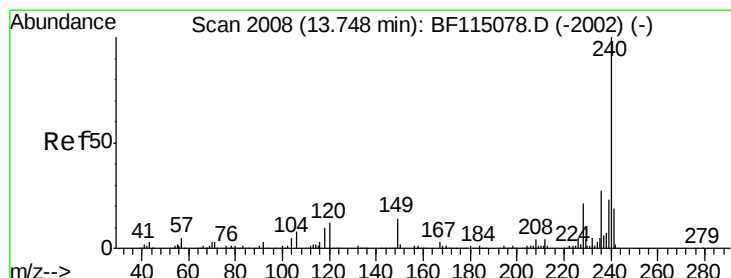
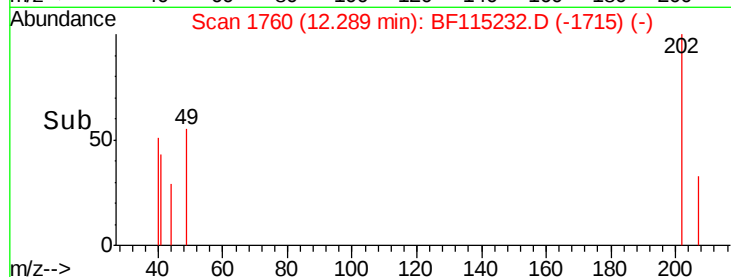
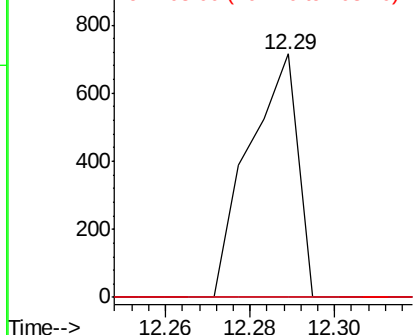
#75
Fluoranthene
Concen: 0.012 ng
RT: 12.29 min Scan# 1760
Delta R.T. -0.04 min
Lab File: BF115232.D
Acq: 27 Jun 2019 13:24

Instrument :
BNA_F
ClientSampleId :
PB120902TB

Tgt Ion	Ratio	Lower	Upper
202	100		
101	0.0	0.0	34.0
203	0.0	0.0	38.8

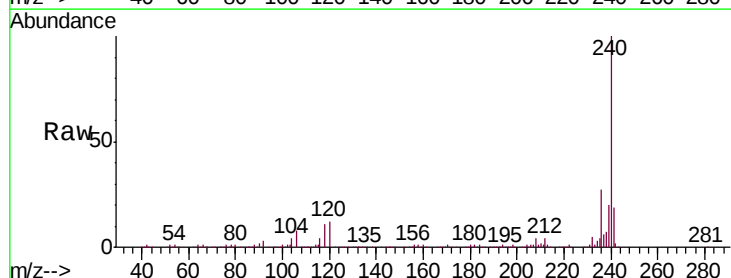


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

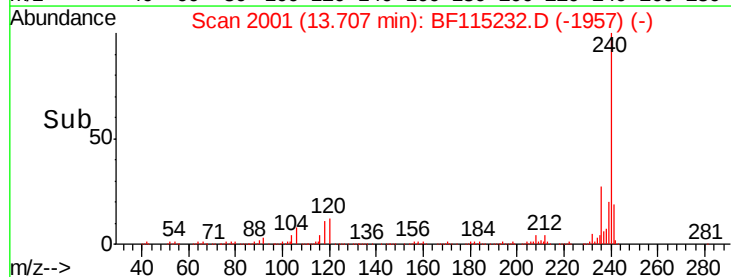
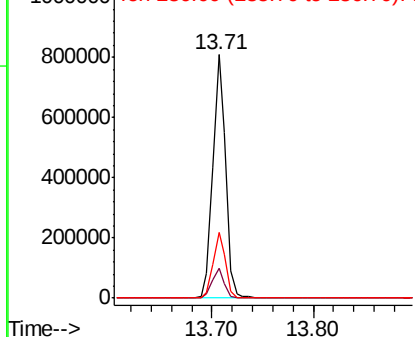


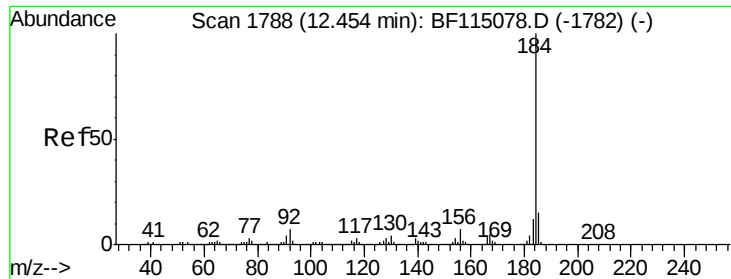
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.71 min Scan# 2001
Delta R.T. -0.04 min
Lab File: BF115232.D
Acq: 27 Jun 2019 13:24

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.5	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: 1.067 ng

RT: 12.68 min Scan# 1826

Delta R.T. 0.22 min

Lab File: BF115232.D

Acq: 27 Jun 2019 13:24

Instrument :

BNA_F

ClientSampleId :

PB120902TB

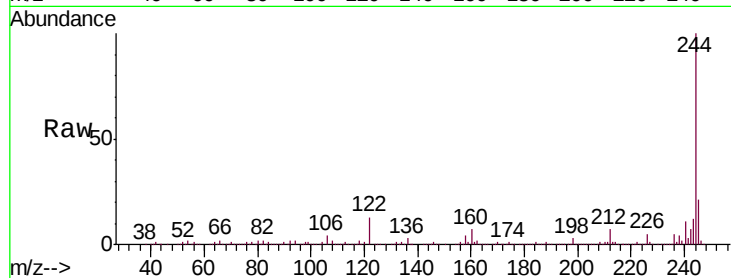
Tgt Ion:184 Resp: 33548

Ion Ratio Lower Upper

184 100

185 16.4 12.2 18.2

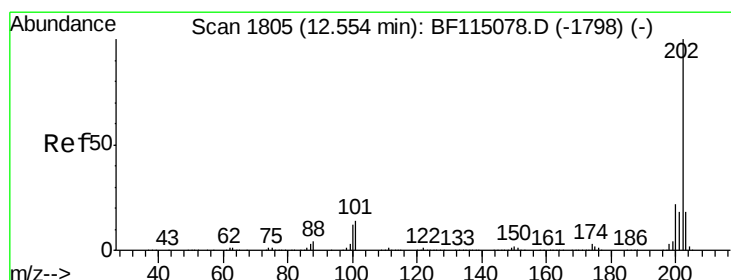
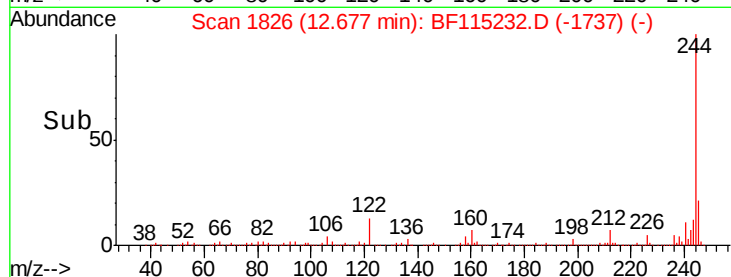
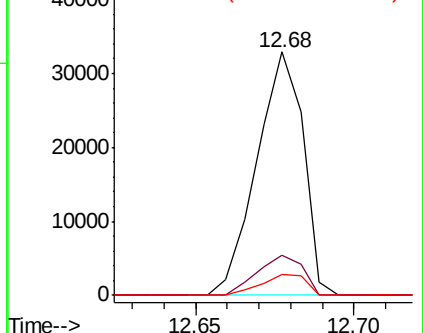
183 8.4 9.6 14.4#



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: 0.009 ng

RT: 12.51 min Scan# 1797

Delta R.T. -0.05 min

Lab File: BF115232.D

Acq: 27 Jun 2019 13:24

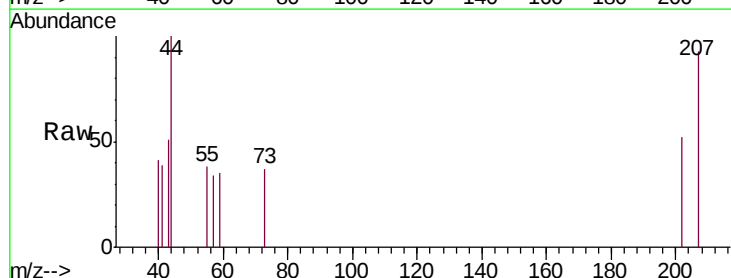
Tgt Ion:202 Resp: 466

Ion Ratio Lower Upper

202 100

200 0.0 17.9 26.9#

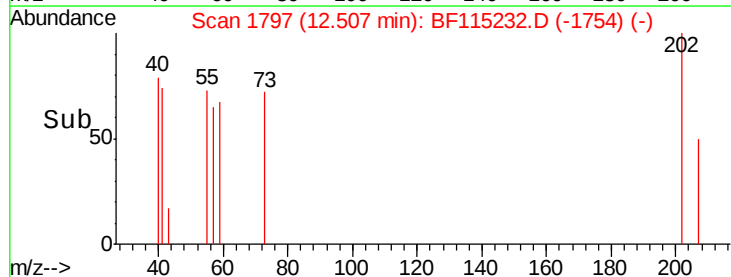
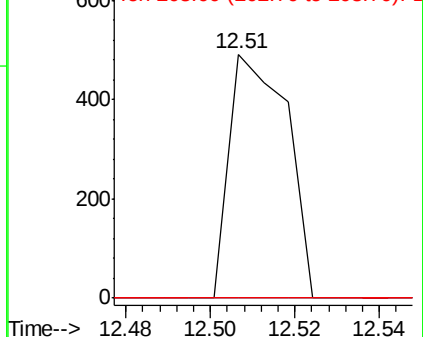
203 0.0 14.6 21.8#

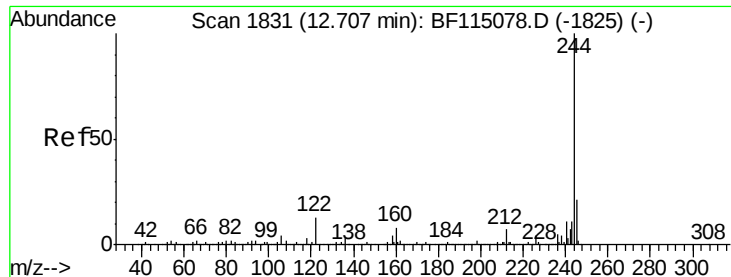


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 78.632 ng

RT: 12.68 min Scan# 1826

Delta R.T. -0.03 min

Lab File: BF115232.D

Acq: 27 Jun 2019 13:24

Instrument :

BNA_F

ClientSampleId :

PB120902TB

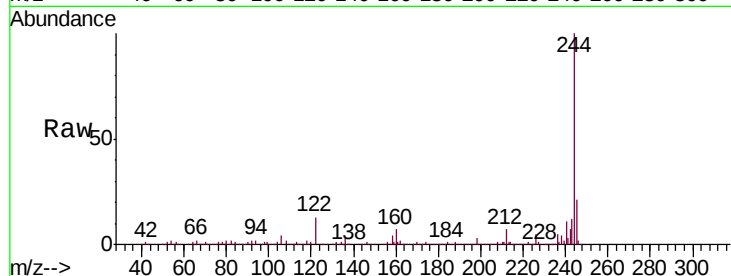
Tgt Ion:244 Resp: 2618494

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.6

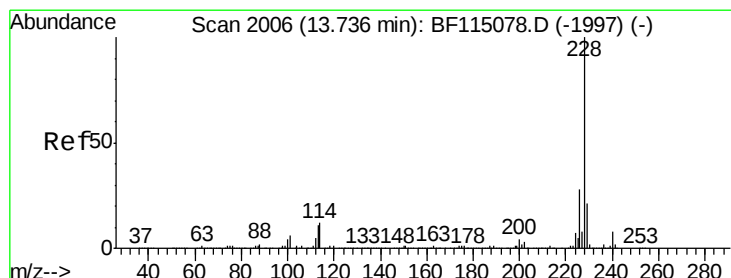
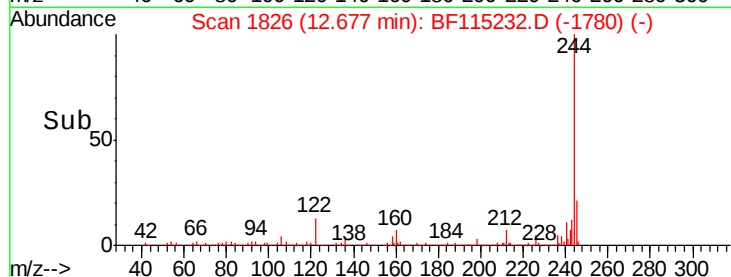
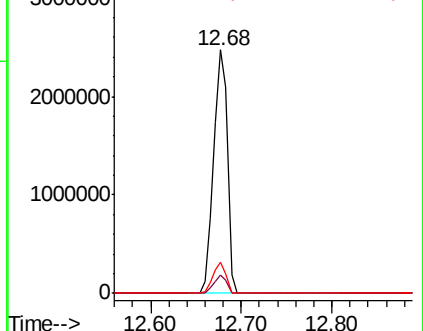
122 12.5 10.4 15.6



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



#81

Benzo(a)anthracene

Concen: 0.052 ng

RT: 13.71 min Scan# 2001

Delta R.T. -0.03 min

Lab File: BF115232.D

Acq: 27 Jun 2019 13:24

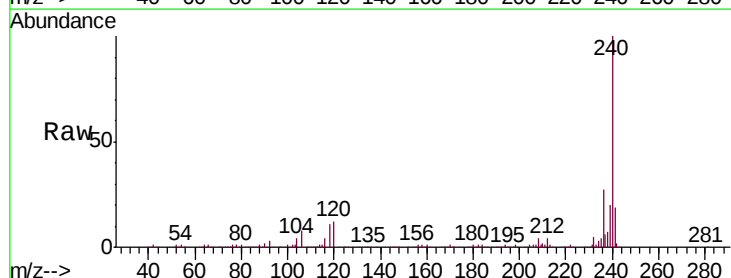
Tgt Ion:228 Resp: 2663

Ion Ratio Lower Upper

228 100

226 0.0 22.5 33.7#

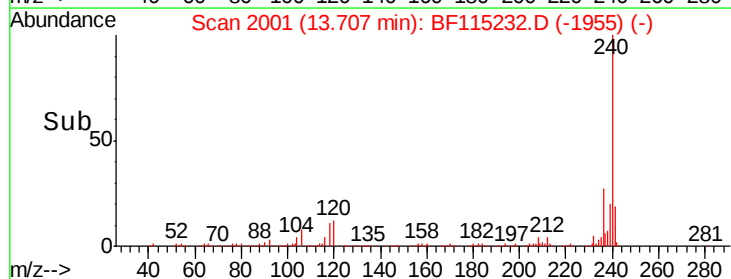
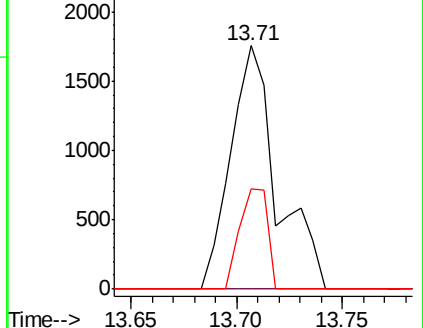
229 41.4 16.6 24.8#

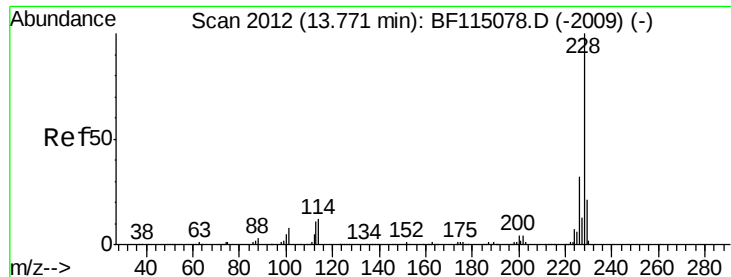


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 0.057 ng

RT: 13.71 min Scan# 2001

Delta R.T. -0.06 min

Lab File: BF115232.D

Acq: 27 Jun 2019 13:24

Instrument :

BNA_F

ClientSampleId :

PB120902TB

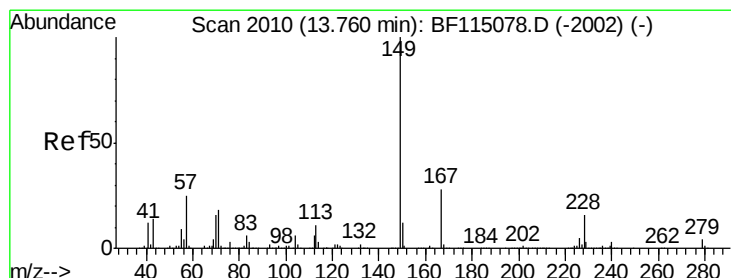
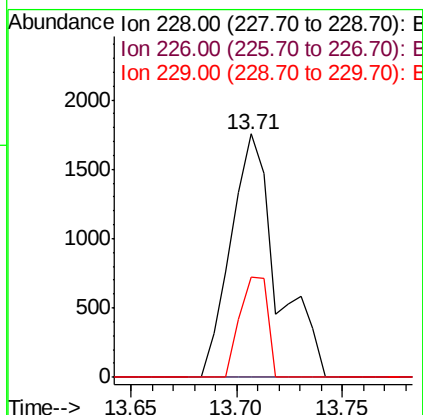
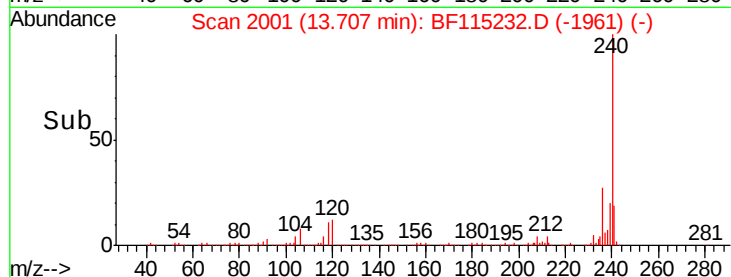
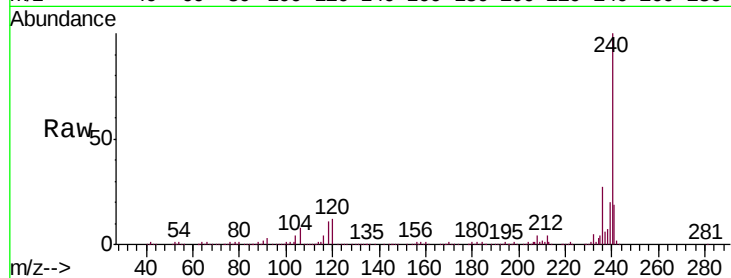
Tgt Ion:228 Resp: 2663

Ion Ratio Lower Upper

228 100

226 0.0 25.4 38.0#

229 41.4 16.5 24.7#



#84

Bis(2-ethylhexyl)phthalate

Concen: 0.019 ng

RT: 13.72 min Scan# 2004

Delta R.T. -0.04 min

Lab File: BF115232.D

Acq: 27 Jun 2019 13:24

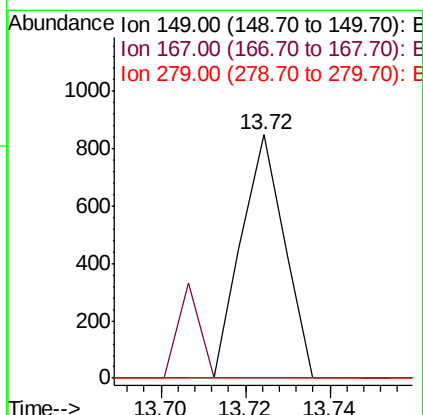
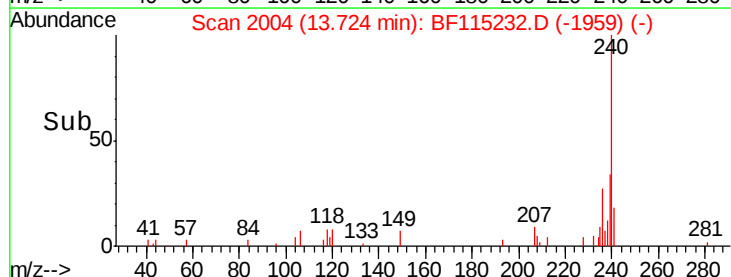
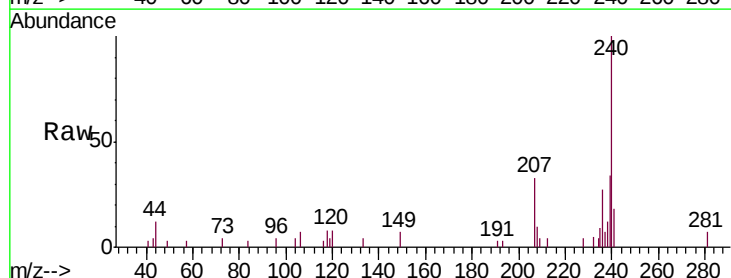
Tgt Ion:149 Resp: 604

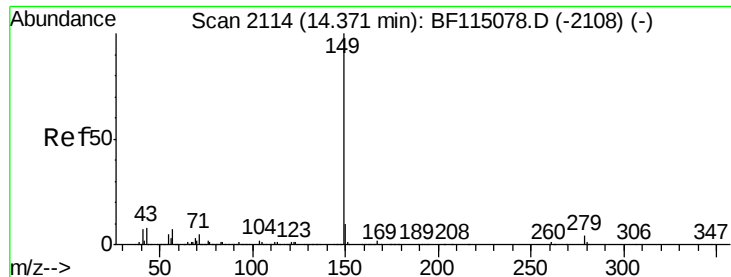
Ion Ratio Lower Upper

149 100

167 0.0 22.2 33.4#

279 0.0 2.9 4.3#





#85

Di-n-octyl phthalate

Concen: 0.002 ng

RT: 14.34 min Scan# 2108

Delta R.T. -0.04 min

Lab File: BF115232.D

Acq: 27 Jun 2019 13:24

Instrument :

BNA_F

ClientSampleId :

PB120902TB

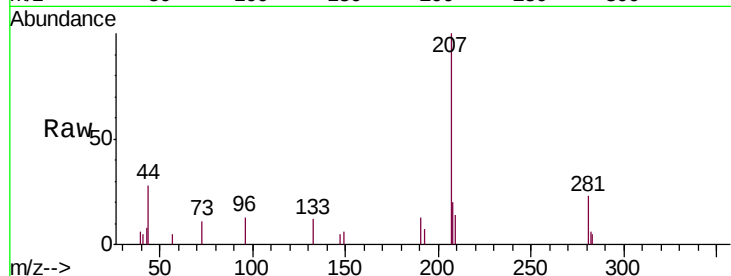
Tgt Ion:149 Resp: 124

Ion Ratio Lower Upper

149 100

167 0.0 1.2 1.8#

43 141.1 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

800

600

400

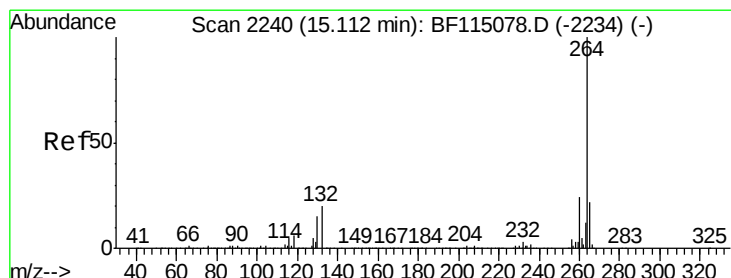
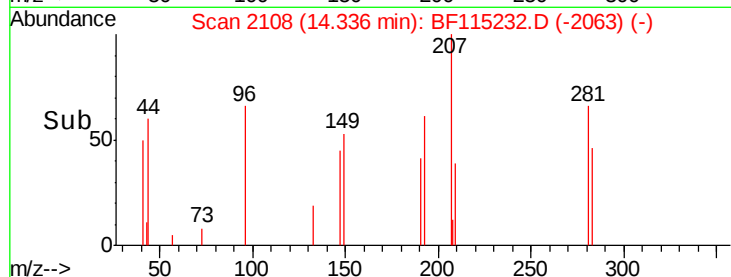
200

0

14.32

14.34

Time-->



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.08 min Scan# 2235

Delta R.T. -0.03 min

Lab File: BF115232.D

Acq: 27 Jun 2019 13:24

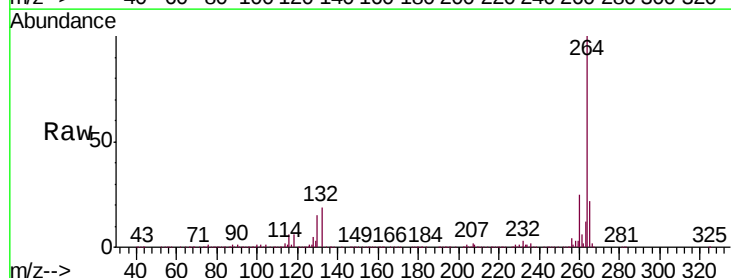
Tgt Ion:264 Resp: 764427

Ion Ratio Lower Upper

264 100

260 24.6 19.6 29.4

265 22.0 17.3 25.9



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

800000

600000

400000

200000

0

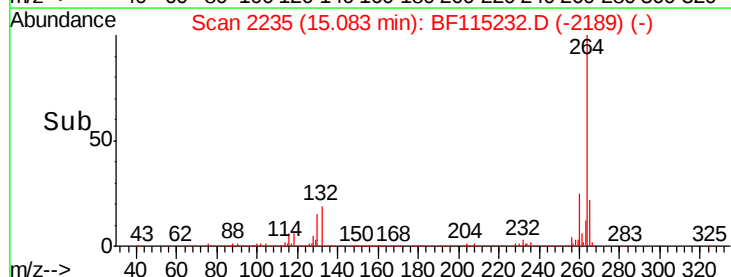
15.08

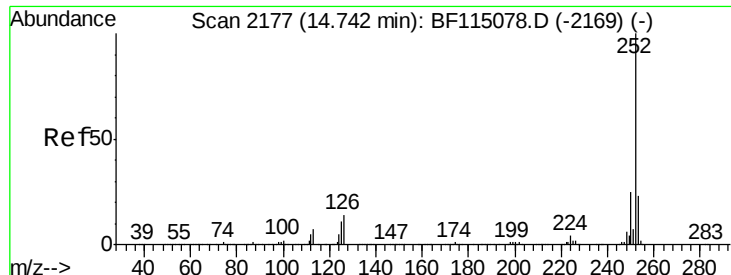
15.10

15.20

15.30

Time-->

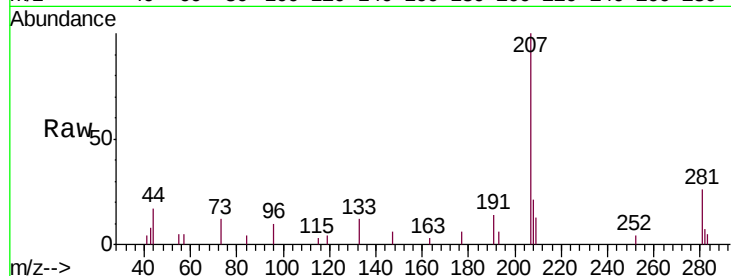




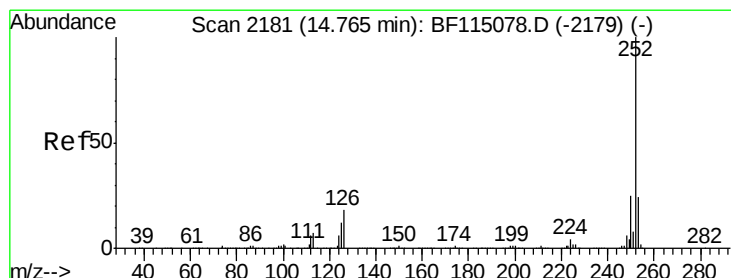
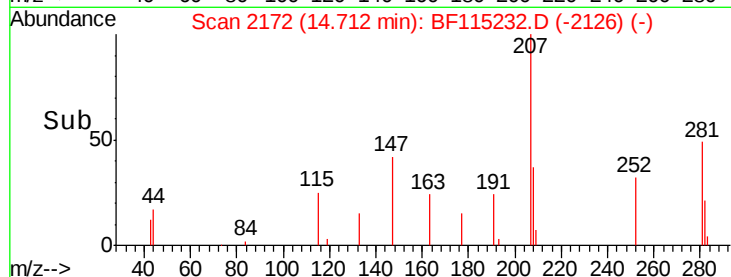
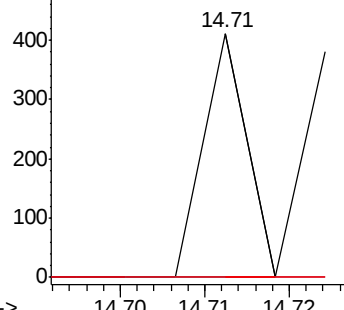
#88
Benzo(b)fluoranthene
Concen: 0.003 ng
RT: 14.71 min Scan# 2172
Delta R.T. -0.03 min
Lab File: BF115232.D
Acq: 27 Jun 2019 13:24

Instrument :
BNA_F
ClientSampleId :
PB120902TB

Tgt Ion:252 Resp: 145
Ion Ratio Lower Upper
252 100
253 0.0 18.1 27.1#
125 0.0 8.7 13.1#

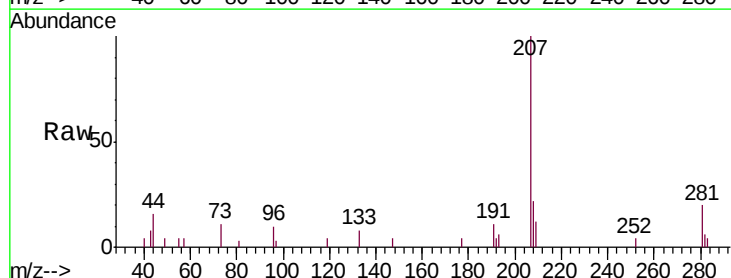


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

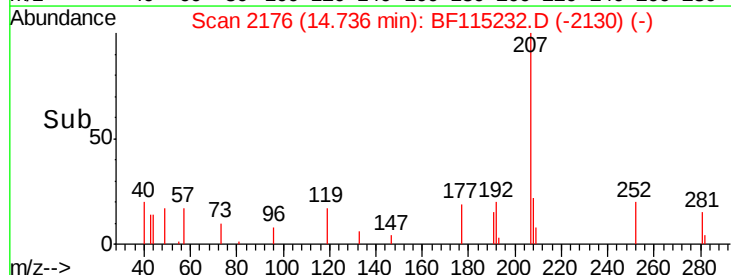
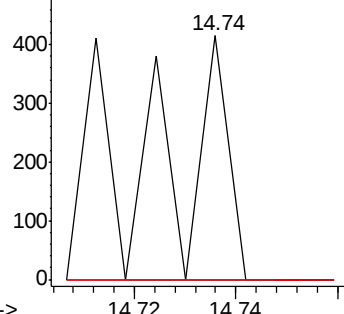


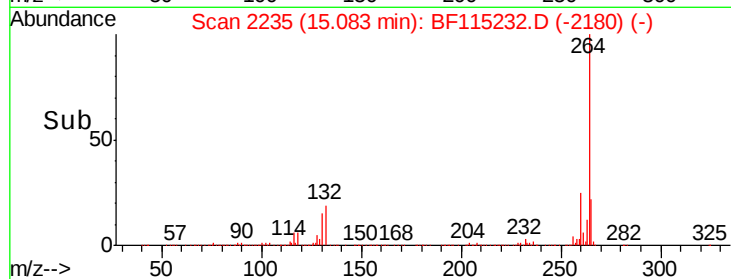
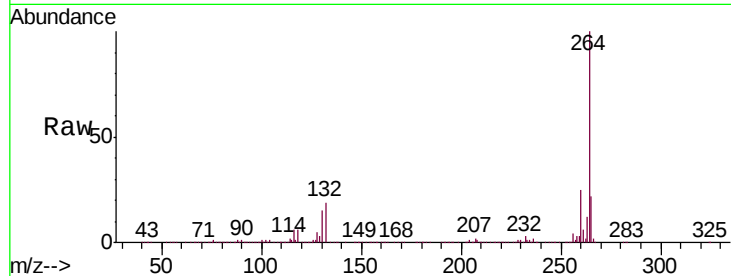
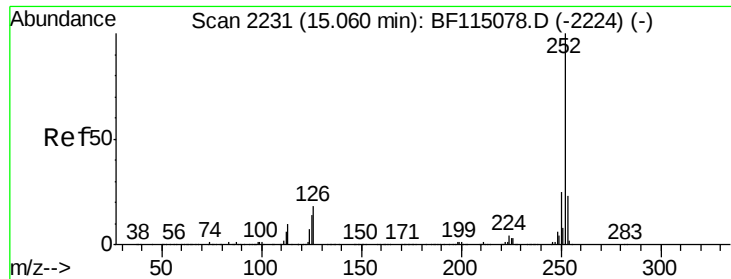
#89
Benzo(k)fluoranthene
Concen: 0.007 ng
RT: 14.74 min Scan# 2176
Delta R.T. -0.03 min
Lab File: BF115232.D
Acq: 27 Jun 2019 13:24

Tgt Ion:252 Resp: 281
Ion Ratio Lower Upper
252 100
253 0.0 18.9 28.3#
125 0.0 10.2 15.2#



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





#90

Benzo(a)pyrene

Concen: 0.056 ng

RT: 15.08 min Scan# 2235

Delta R.T. 0.02 min

Lab File: BF115232.D

Acq: 27 Jun 2019 13:24

Instrument :

BNA_F

ClientSampleId :

PB120902TB

Tgt Ion: 252 Resp: 2427

Ion Ratio Lower Upper

252 100

253 25.0 18.3 27.5

125 21.5 10.9 16.3#

