

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022719\
 Data File : BF112721.D
 Acq On : 27 Feb 2019 16:10
 Operator : JU/SJ
 Sample : K1613-03 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 L-1

Quant Time: Feb 28 01:59:31 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 27 16:08:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	201720	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	777682	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	346827	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	612461	20.00	ng	0.00
76) Chrysene-d12	13.86	240	460960	20.00	ng	-0.01
87) Perylene-d12	15.27	264	537964	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	263798	20.34	ng	-0.01
7) Phenol-d6	6.36	99	345659	21.22	ng	-0.01
23) Nitrobenzene-d5	7.29	82	181715	13.98	ng	-0.01
42) 2,4,6-Tribromophenol	10.55	330	59353	16.12	ng	-0.01
45) 2-Fluorobiphenyl	9.09	172	326057	3.49	ng	0.00
79) Terphenyl-d14	12.82	244	260475	10.95	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Pyridine	3.39	79	126	0.007	ng	# 20
4) n-Nitrosodimethylamine	3.07	42	331	0.044	ng	# 1
6) Aniline	6.37	93	248	0.011	ng	# 1
9) Benzaldehyde	6.36	77	508	0.043	ng	# 1
10) Phenol	6.37	94	11191	0.589	ng	90
11) bis(2-Chloroethyl)ether	6.50	93	310	0.021	ng	# 1
15) Benzyl Alcohol	6.89	79	3462	0.279	ng	# 53
16) 2,2'-oxybis(1-Chloropropan	6.97	45	109	0.004	ng	71
19) n-Nitroso-di-n-propylamine	7.29	70	23253	2.254	ng	# 81
22) Acetophenone	7.14	105	172	0.009	ng	# 45
24) Nitrobenzene	7.29	77	678	0.047	ng	# 38
25) Isophorone	7.29	82	181708	6.490	ng	# 66
31) Naphthalene	8.04	128	530	0.014	ng	# 68
46) 1,1'-Biphenyl	9.19	154	537	0.019	ng	# 42
48) 2-Nitroaniline	9.49	65	265	0.039	ng	# 1
49) Acenaphthylene	9.63	152	1391	0.037	ng	# 78
50) Dimethylphthalate	9.49	163	19073	0.746	ng	# 99
51) 2,6-Dinitrotoluene	9.77	165	43412	8.152	ng	# 19
52) Acenaphthene	9.77	154	1144	0.052	ng	# 5
57) 2,4-Dinitrotoluene	9.77	165	43412	6.558	ng	# 18
58) Fluorene	10.31	166	131	0.006	ng	# 86
60) Diethylphthalate	10.19	149	566	0.021	ng	# 60
63) Azobenzene	10.46	77	288	0.010	ng	# 49
66) n-Nitrosodiphenylamine	10.55	169	1978	0.101	ng	# 43
67) 4-Bromophenyl-phenylether	10.55	248	3495	0.542	ng	# 1
71) Phenanthrene	11.26	178	2827	0.093	ng	97
72) Anthracene	11.32	178	1728	0.054	ng	99
73) Carbazole	11.46	167	389	0.013	ng	# 59
74) Di-n-butylphthalate	11.82	149	7943	0.213	ng	# 87
75) Fluoranthene	12.44	202	19856	0.608	ng	97
77) Benzidine	12.82	184	3186	0.133	ng	# 79
78) Pvrene	12.67	202	21160	0.545	ng	96
80) Butylbenzylphthalate	13.30	149	19997	1.166	ng	98
81) Benzo(a)anthracene	13.89	228	12656	0.396	ng	96

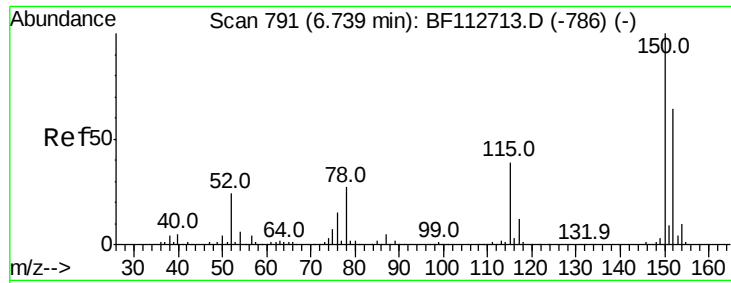
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022719\
 Data File : BF112721.D
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
83) Chrysene	13.89	228	12656	0.404	nq	98
84) Bis(2-ethylhexyl)phthalate	13.87	149	137184	6.818	nq	# 97
85) Di-n-octyl phthalate	14.47	149	894	0.026	nq	# 1
86) Indeno(1,2,3-cd)pyrene	16.60	276	14086	0.528	nq	# 90
88) Benzo(b)fluoranthene	14.87	252	30425	0.874	nq	# 91
89) Benzo(k)fluoranthene	14.87	252	30425	0.965	nq	# 91
90) Benzo(a)pyrene	15.20	252	17471	0.568	nq	# 86
91) Dibenzo(a,h)anthracene	16.62	278	3742	0.142	nq	# 71
92) Benzo(g,h,i)perylene	17.01	276	14145	0.536	nq	96

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

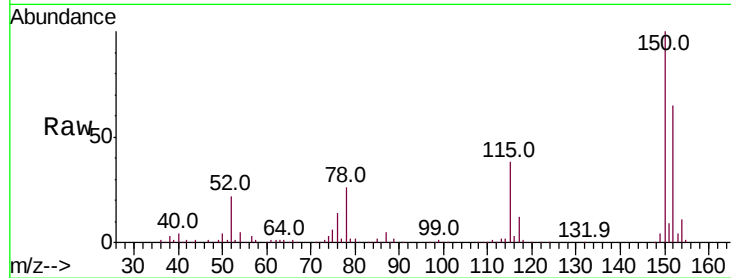


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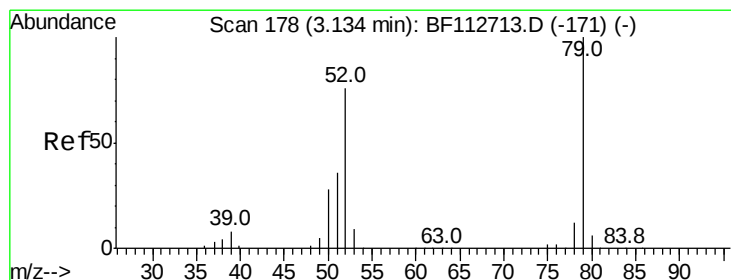
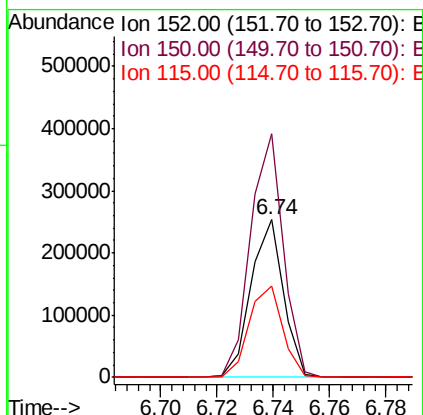
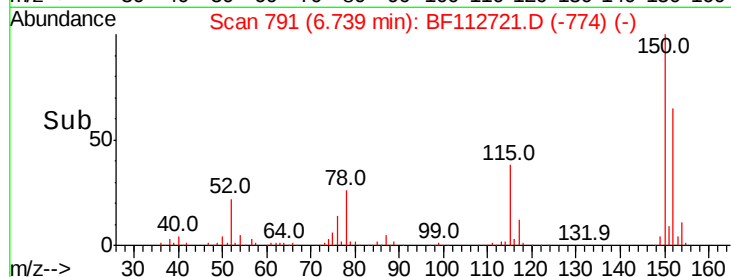
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 791
Delta R.T. -0.00 min
Lab File: BF112721.D
Acq: 27 Feb 2019 16:10

Instrument :
BNA_F
ClientSampled :
L-1

Tot Ion:152 Resp: 201720
Ion Ratio Lower Upper
152 100
150 154.5 124.2 186.2
115 58.0 48.2 72.4



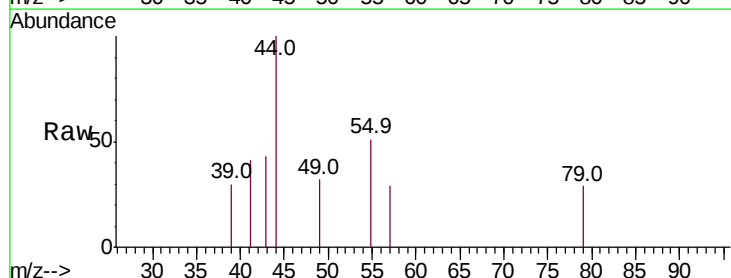
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



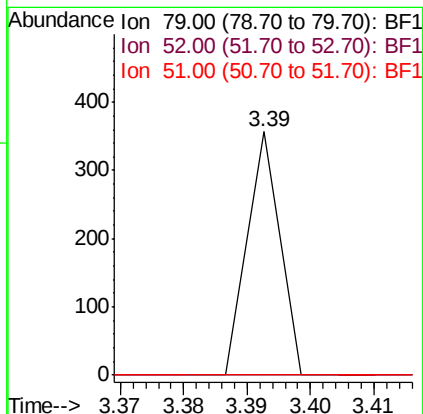
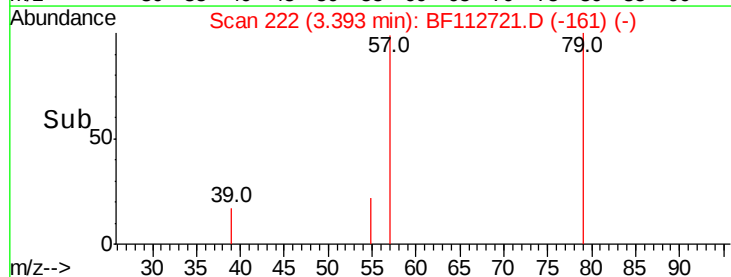
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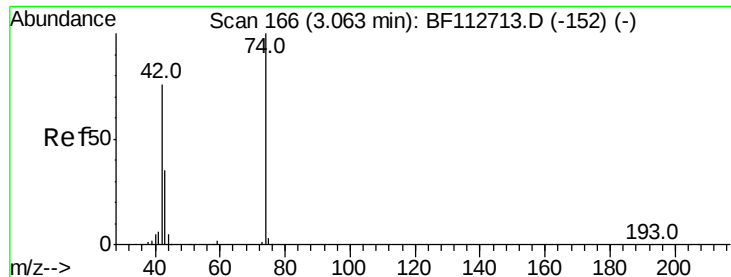
Pyridine
Concen: 0.007 ng
RT: 3.39 min Scan# 222
Delta R.T. 0.26 min
Lab File: BF112721.D
Acq: 27 Feb 2019 16:10

Tgt Ion: 79 Resp: 126
Ion Ratio Lower Upper
79 100
52 0.0 60.5 90.7#
51 0.0 28.8 43.2#



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 52.00 (51.70 to 52.70): BF1
Ion 51.00 (50.70 to 51.70): BF1



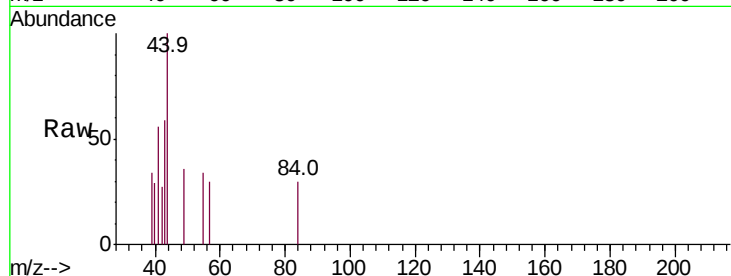


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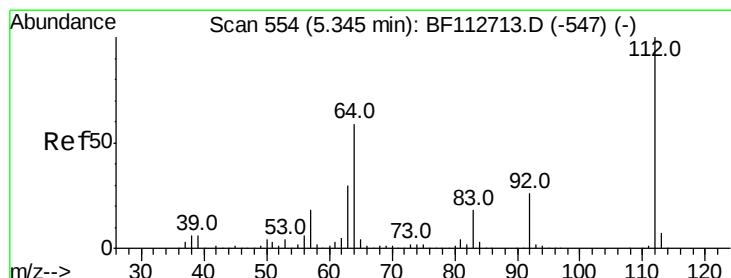
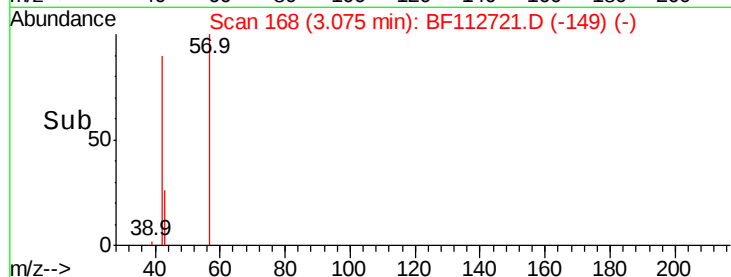
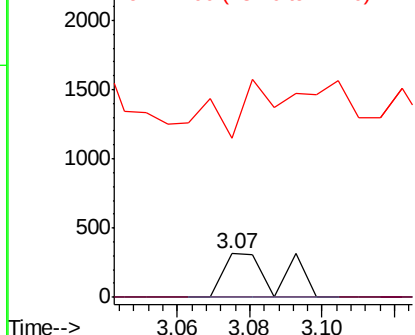
n-Nitrosodimethylamine
 Concen: 0.044 ng
 RT: 3.07 min Scan# 168
 Delta R.T. 0.01 min
 Lab File: BF112721.D
 Acq: 27 Feb 2019 16:10

Instrument :
 BNA_F
 ClientSampleId :
 L-1

Tot Ion: 42 Resp: 331
 Ion Ratio Lower Upper
 42 100
 74 0.0 105.8 158.8#
 44 366.1 6.2 9.2#



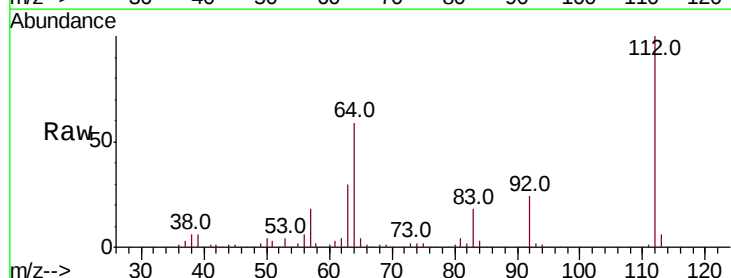
Abundance Ion 42.00 (41.70 to 42.70): BF1
 Ion 74.00 (73.70 to 74.70): BF1
 Ion 44.00 (43.70 to 44.70): BF1



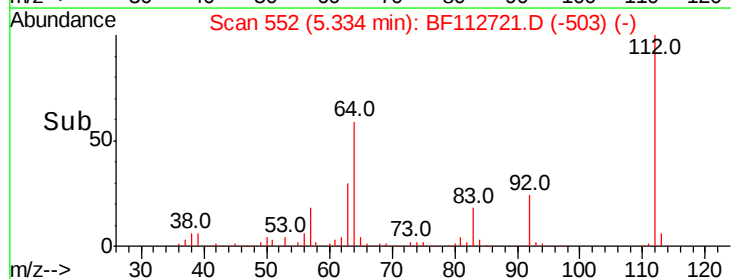
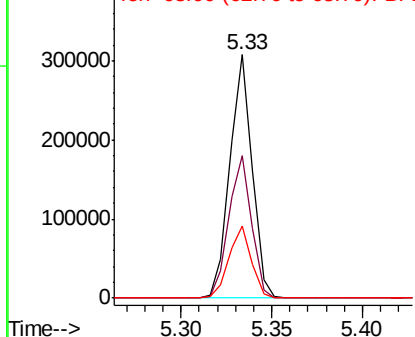
#5

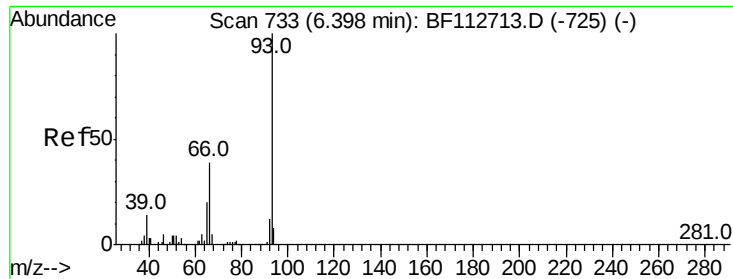
2-Fluorophenol
 Concen: 20.343 ng
 RT: 5.33 min Scan# 552
 Delta R.T. -0.01 min
 Lab File: BF112721.D
 Acq: 27 Feb 2019 16:10

Tgt Ion: 112 Resp: 263798
 Ion Ratio Lower Upper
 112 100
 64 58.7 47.6 71.4
 63 29.8 24.4 36.6



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: 0.011 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.03 min

Lab File: BF112721.D

Acq: 27 Feb 2019 16:10

Instrument :

BNA_F

ClientSampled :

L-1

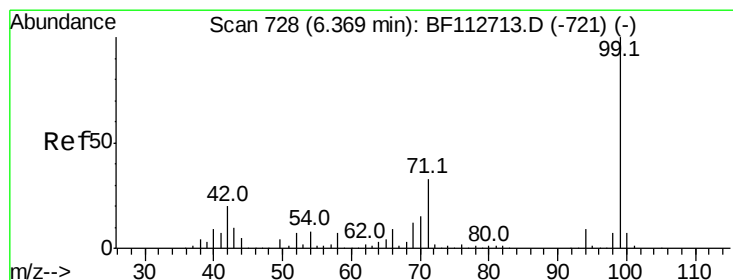
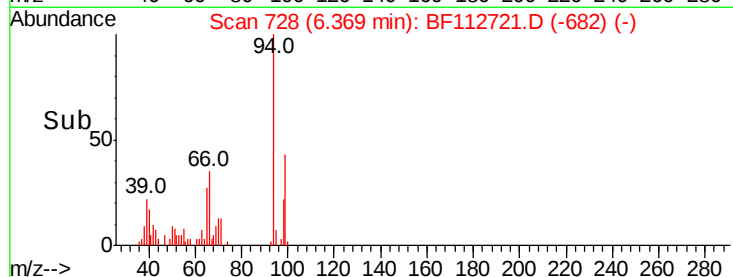
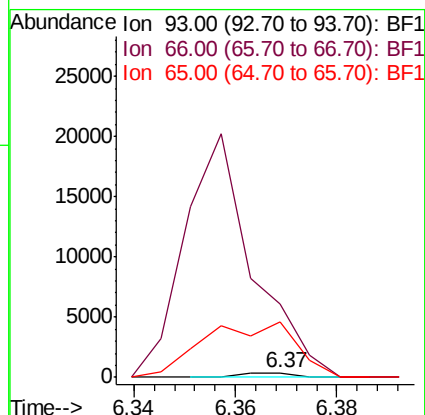
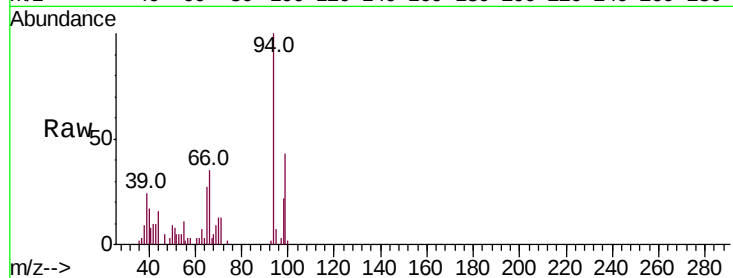
Tot Ion: 93 Resp: 248

Ion Ratio Lower Upper

93 100

66 1568.0 32.2 48.2#

65 1191.0 16.2 24.4#



#7

Phenol-d6

Concen: 21.219 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF112721.D

Acq: 27 Feb 2019 16:10

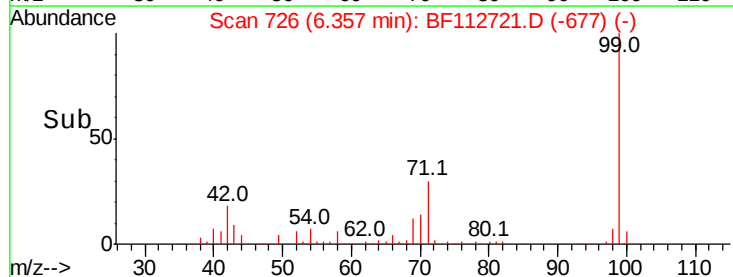
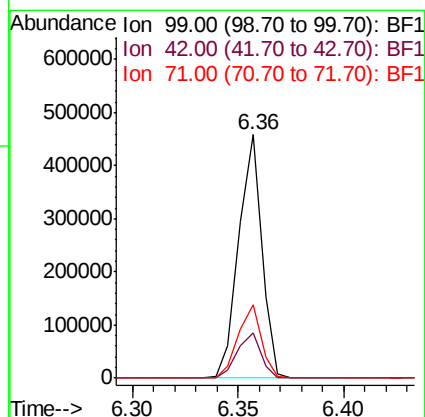
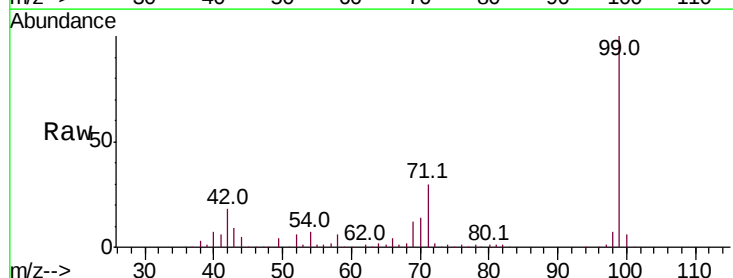
Tgt Ion: 99 Resp: 345659

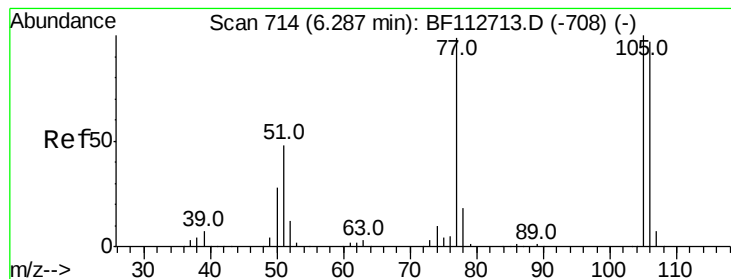
Ion Ratio Lower Upper

99 100

42 18.4 16.3 24.5

71 30.4 26.2 39.4





#9

Benzaldehyde

Concen: 0.043 ng

RT: 6.36 min Scan# 726

Delta R.T. 0.07 min

Lab File: BF112721.D

Acq: 27 Feb 2019 16:10

Instrument :

BNA_F

ClientSampleId :

L-1

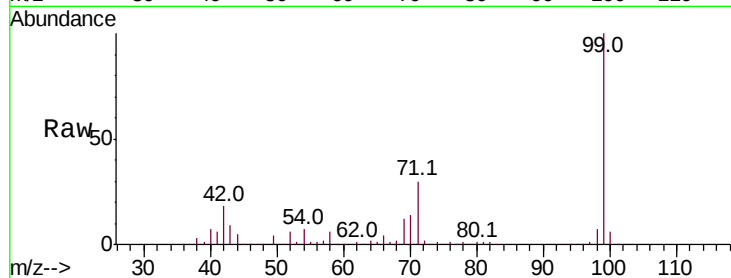
Tot Ion: 77 Resp: 508

Ion Ratio Lower Upper

77 100

105 0.0 81.4 121.4#

106 0.0 78.3 118.3#



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

6.36

800

600

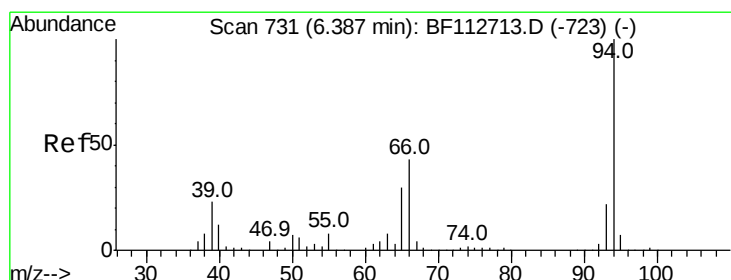
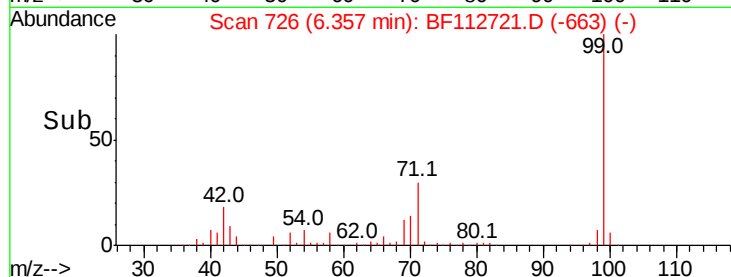
400

200

0

6.34 6.36 6.38

Time-->



#10

Phenol

Concen: 0.589 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.02 min

Lab File: BF112721.D

Acq: 27 Feb 2019 16:10

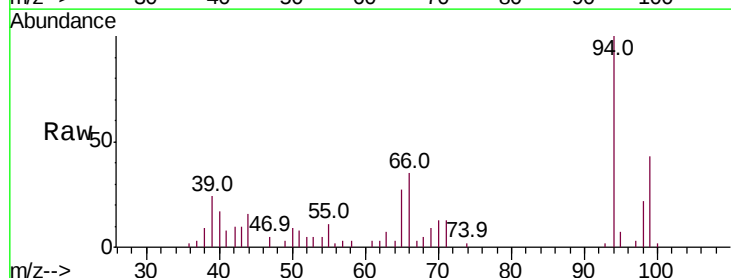
Tgt Ion: 94 Resp: 11191

Ion Ratio Lower Upper

94 100

65 26.8 10.5 50.5

66 35.2 22.6 62.6



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

25000

20000

15000

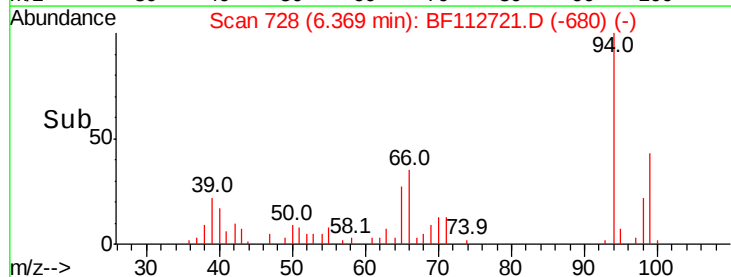
10000

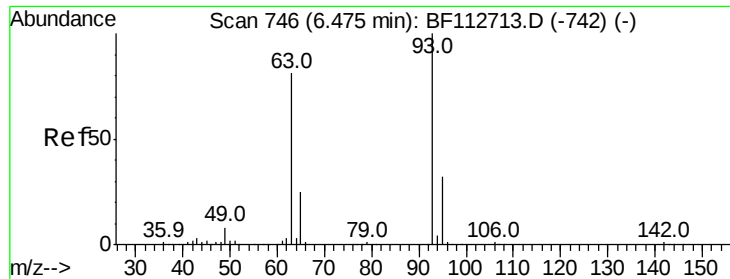
5000

0

6.34 6.36 6.38 6.40

Time-->





#11

bis(2-Chloroethyl)ether

Concen: 0.021 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.02 min

Lab File: BF112721.D

Acq: 27 Feb 2019 16:10

Instrument :

BNA_F

ClientSampleId :

L-1

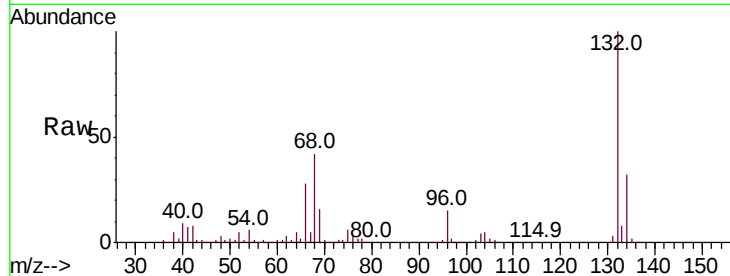
Tot Ion: 93 Resp: 310

Ion Ratio Lower Upper

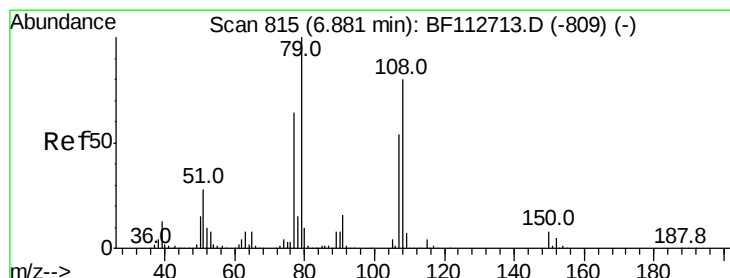
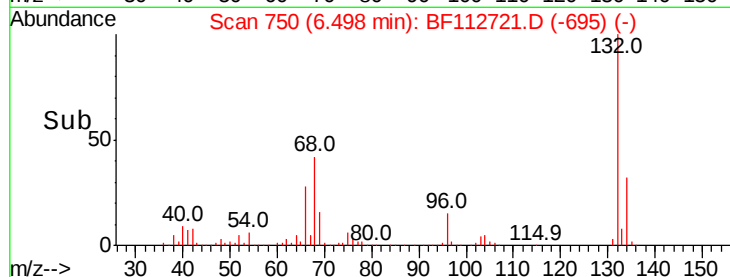
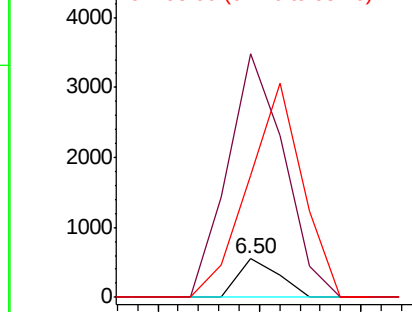
93 100

63 628.3 60.5 100.5#

95 316.4 12.1 52.1#



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: 0.279 ng

RT: 6.89 min Scan# 817

Delta R.T. 0.01 min

Lab File: BF112721.D

Acq: 27 Feb 2019 16:10

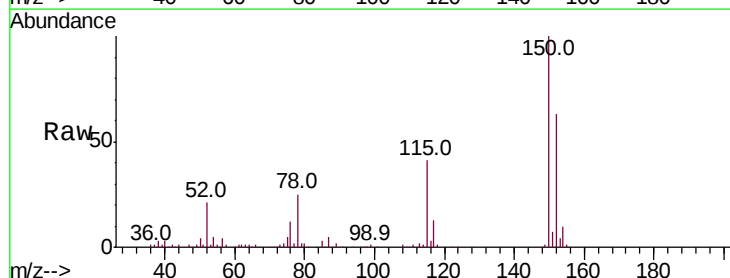
Tgt Ion: 79 Resp: 3462

Ion Ratio Lower Upper

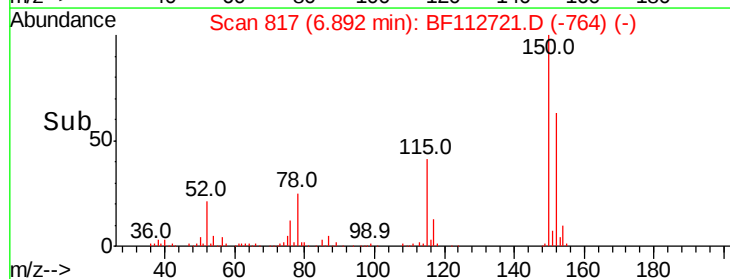
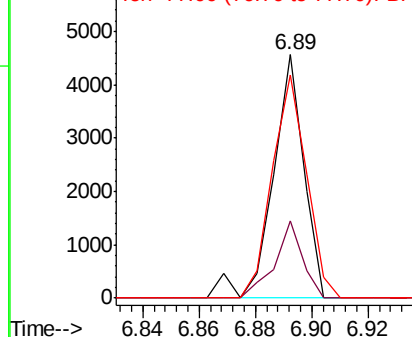
79 100

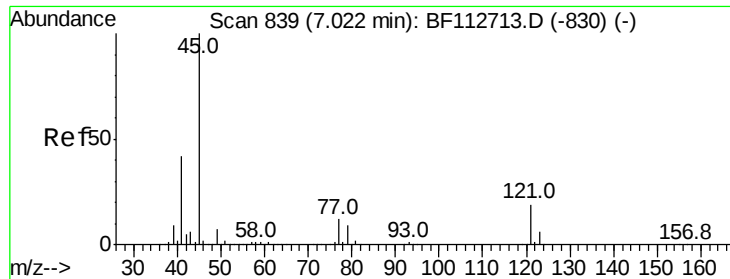
108 31.7 64.2 96.4#

77 91.9 51.1 76.7#



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 108.00 (107.70 to 108.70): BF1
Ion 77.00 (76.70 to 77.70): BF1

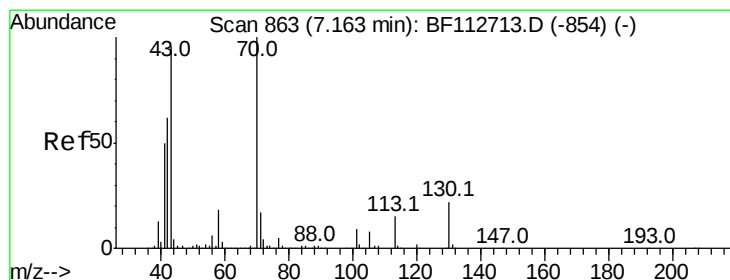
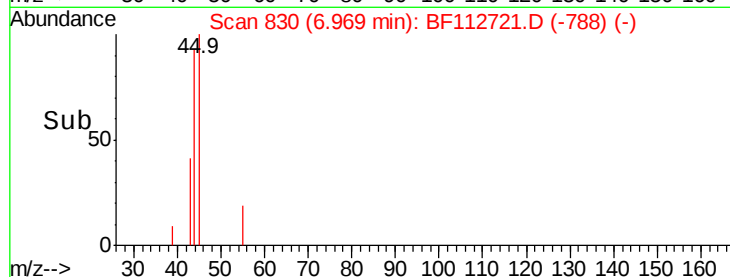
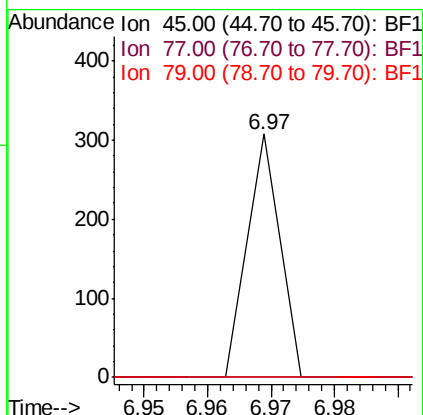
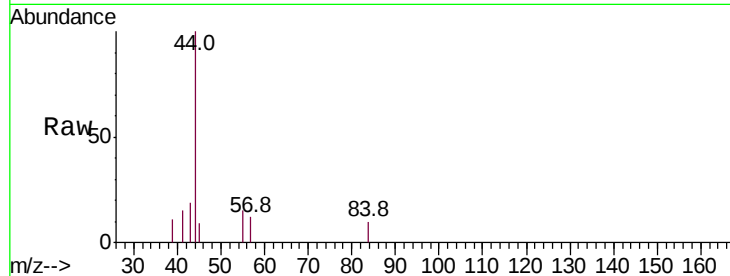




#16
2,2'-oxvbis(1-Chloropropane)
Concen: 0.004 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.05 min
Lab File: BF112721.D
Acq: 27 Feb 2019 16:10

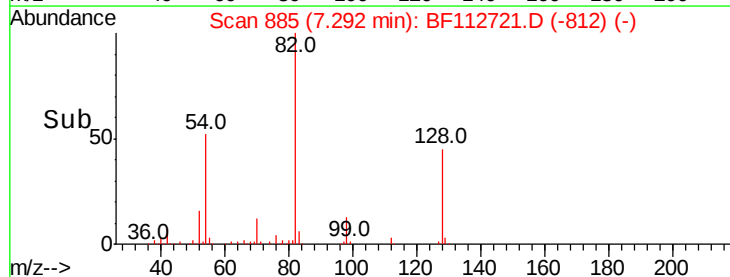
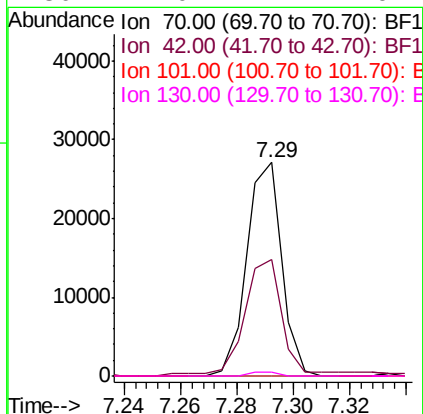
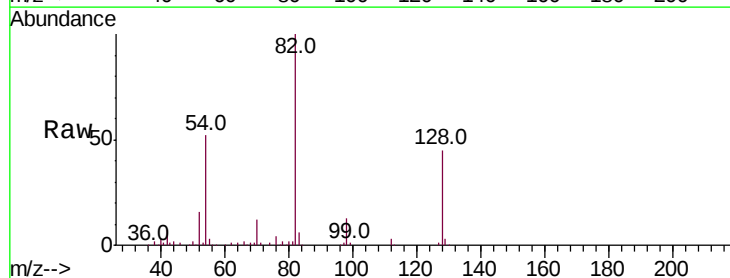
Instrument :
BNA_F
ClientSampleId :
L-1

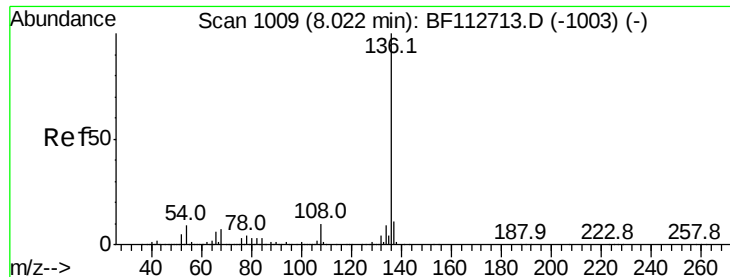
Tot Ion: 45 Resp: 109
Ion Ratio Lower Upper
45 100
77 0.0 0.0 32.1
79 0.0 0.0 29.4



#19
n-Nitroso-di-n-propylamine
Concen: 2.254 ng
RT: 7.29 min Scan# 885
Delta R.T. 0.13 min
Lab File: BF112721.D
Acq: 27 Feb 2019 16:10

Tgt Ion: 70 Resp: 23253
Ion Ratio Lower Upper
70 100
42 54.6 49.9 74.9
101 0.0 7.4 11.2#
130 2.0 17.4 26.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.02 min Scan# 1008

Delta R.T. -0.01 min

Lab File: BF112721.D

Acq: 27 Feb 2019 16:10

Instrument :

BNA_F

ClientSampled :

L-1

Tot Ion:136 Resp: 777682

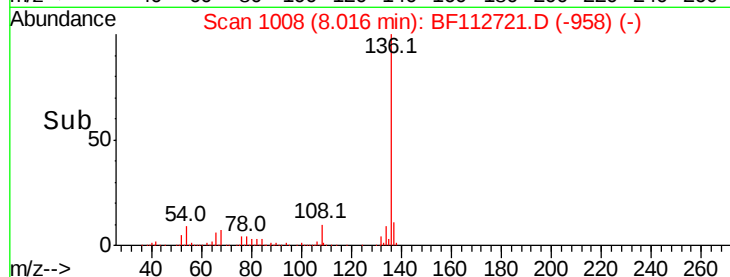
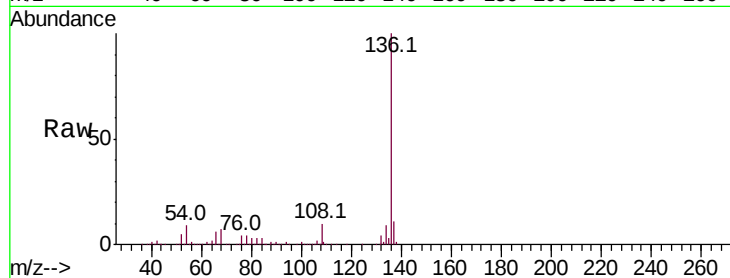
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 9.3 7.3 10.9

68 7.1 5.4 8.2

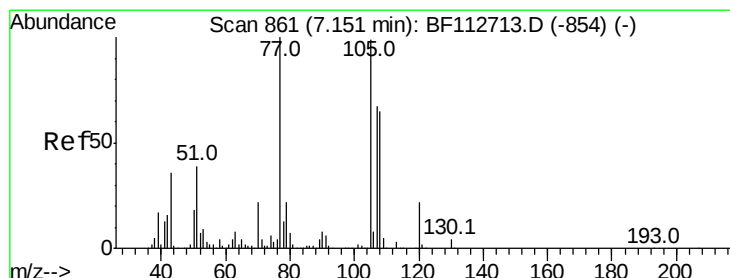
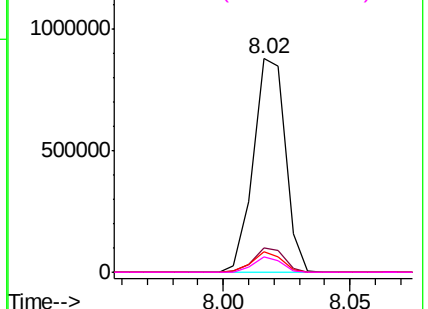


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.009 ng

RT: 7.14 min Scan# 859

Delta R.T. -0.01 min

Lab File: BF112721.D

Acq: 27 Feb 2019 16:10

Tgt Ion:105 Resp: 172

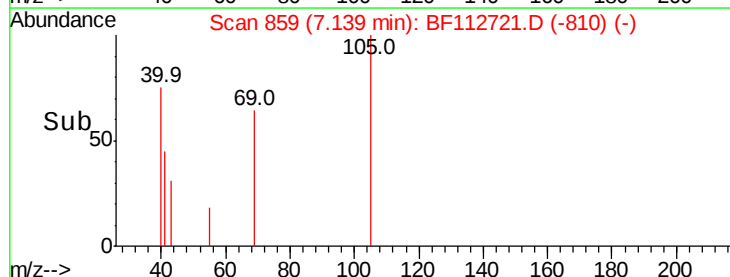
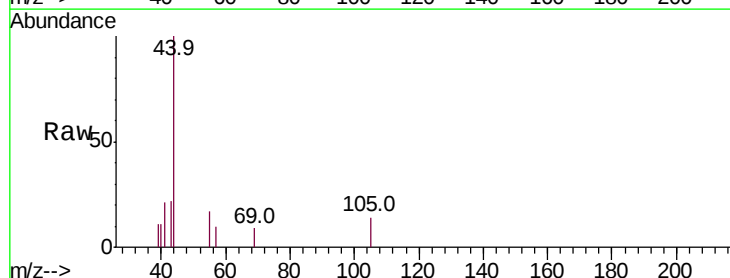
Ion Ratio Lower Upper

105 100

71 0.0 3.0 4.4#

51 0.0 31.5 47.3#

120 0.0 18.1 27.1#

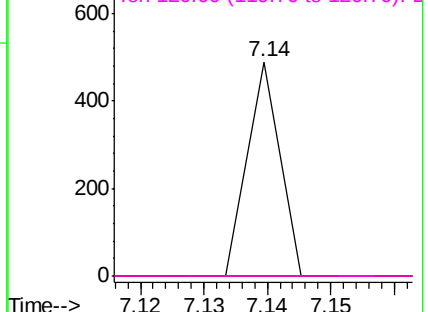


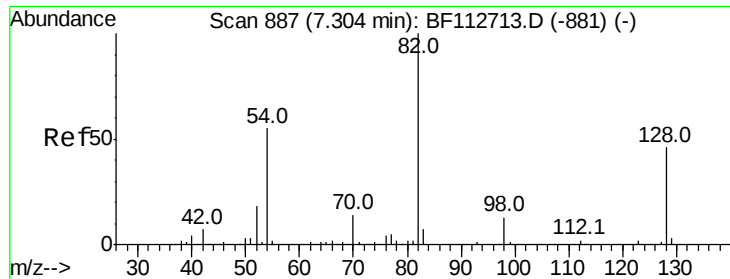
Abundance Ion 105.00 (104.70 to 105.70): E

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

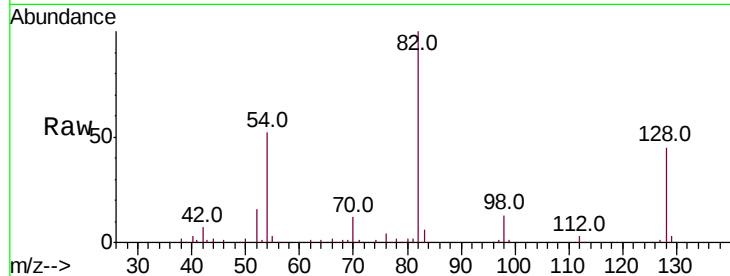




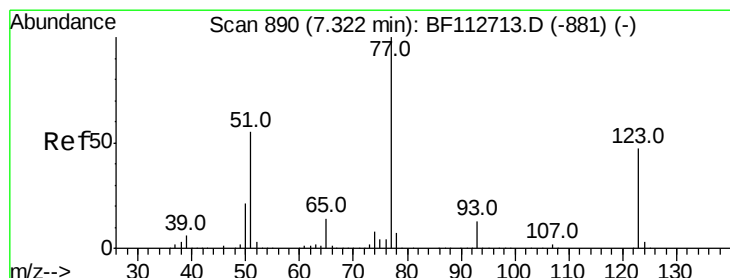
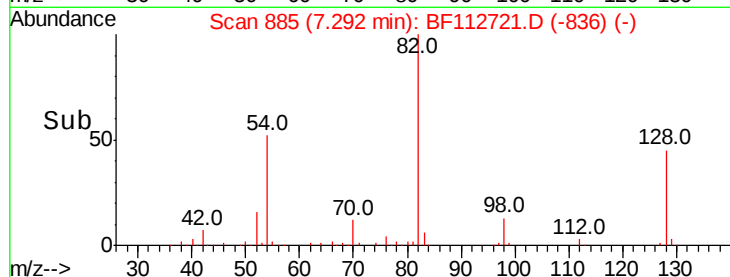
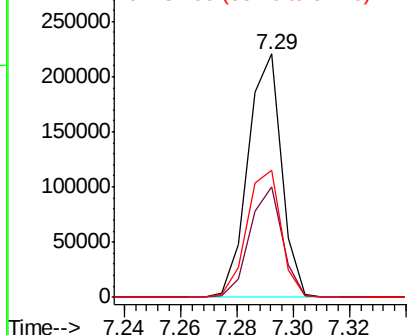
#23
Nitrobenzene-d5
Concen: 13.982 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF112721.D
Acq: 27 Feb 2019 16:10

Instrument :
BNA_F
ClientSampled :
L-1

Tot Ion: 82 Resp: 181715
Ion Ratio Lower Upper
82 100
128 45.4 36.3 54.5
54 52.1 43.7 65.5

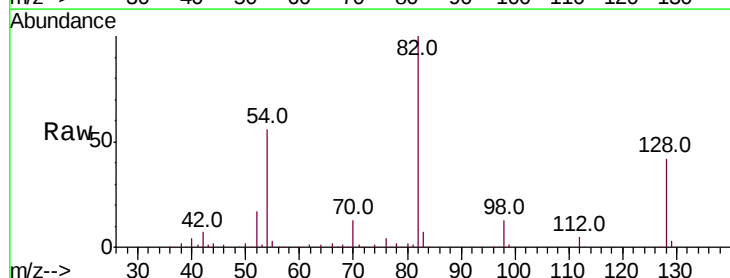


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

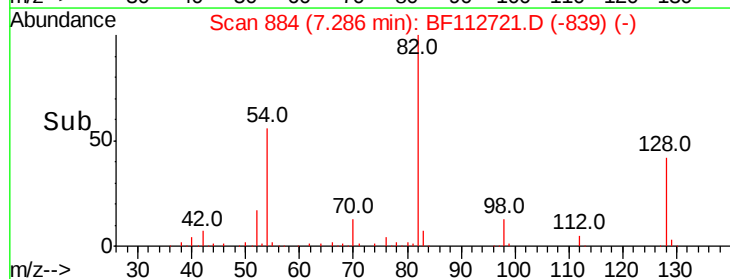
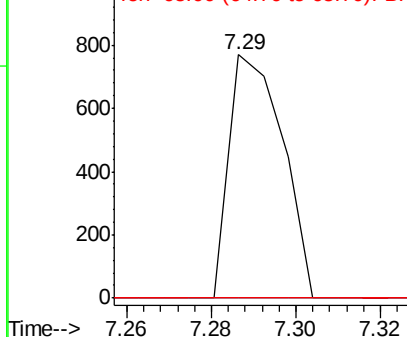


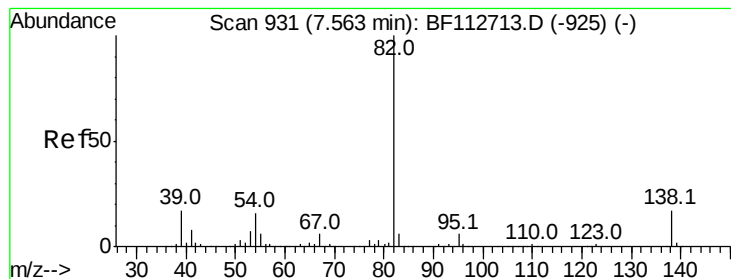
#24
Nitrobenzene
Concen: 0.047 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.04 min
Lab File: BF112721.D
Acq: 27 Feb 2019 16:10

Tgt Ion: 77 Resp: 678
Ion Ratio Lower Upper
77 100
123 0.0 37.8 56.6#
65 0.0 11.1 16.7#



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





#25

Isophorone

Concen: 6.490 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.27 min

Lab File: BF112721.D

Acq: 27 Feb 2019 16:10

Instrument :

BNA_F

ClientSampleId :

L-1

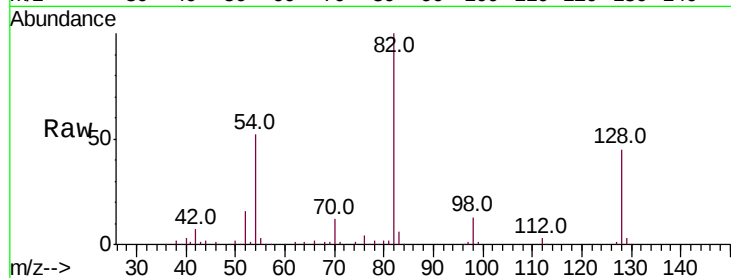
Tot Ion: 82 Resp: 181708

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

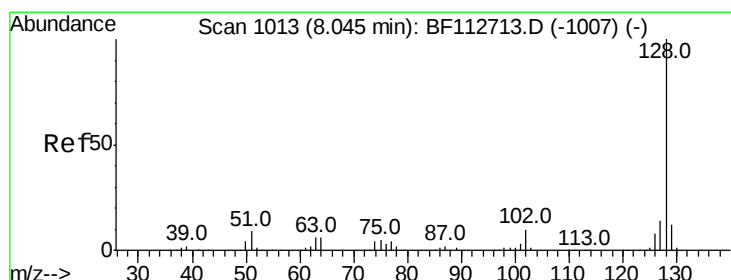
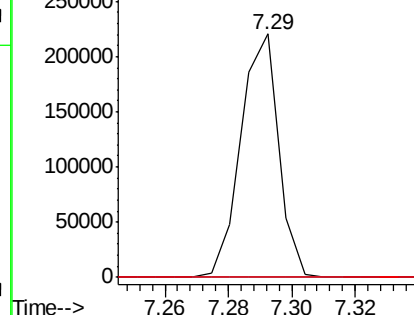
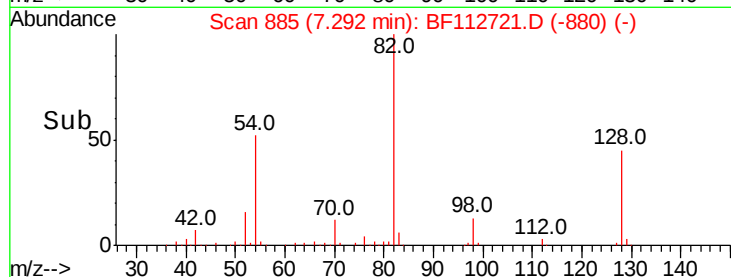
138 0.0 13.8 20.8#



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



#31

Naphthalene

Concen: 0.014 ng

RT: 8.04 min Scan# 1012

Delta R.T. -0.01 min

Lab File: BF112721.D

Acq: 27 Feb 2019 16:10

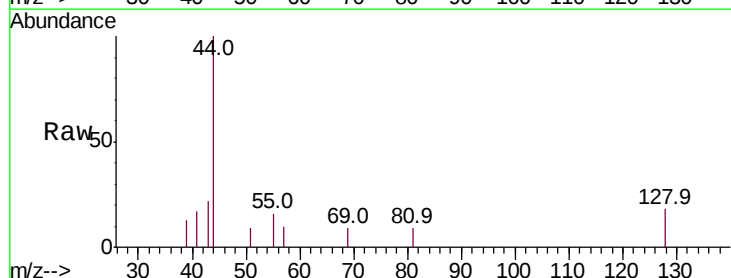
Tgt Ion: 128 Resp: 530

Ion Ratio Lower Upper

128 100

129 0.0 9.3 13.9#

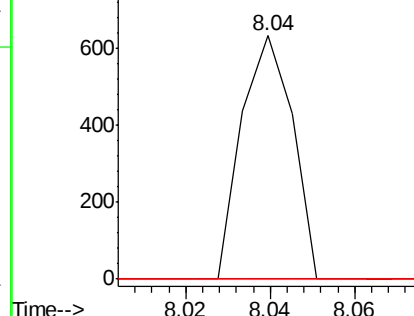
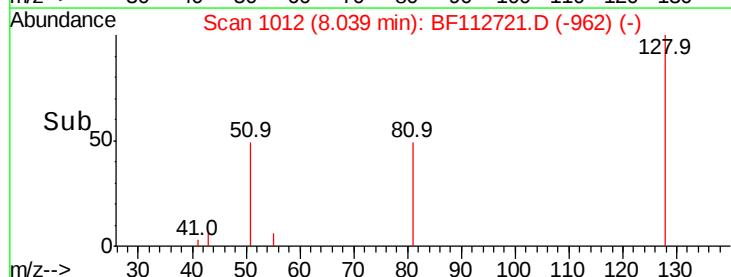
127 0.0 10.9 16.3#

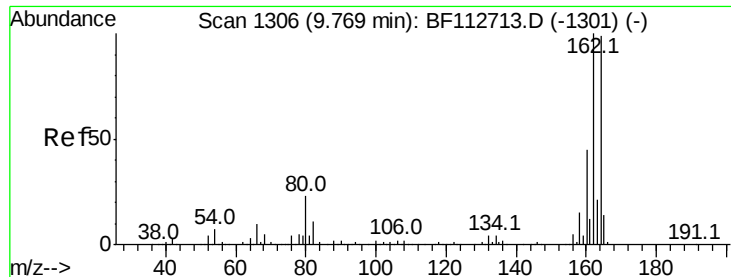


Abundance Ion 128.00 (127.70 to 128.70): BF1

Ion 129.00 (128.70 to 129.70): BF1

Ion 127.00 (126.70 to 127.70): BF1

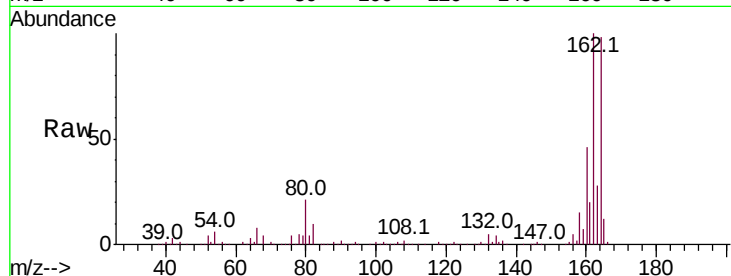




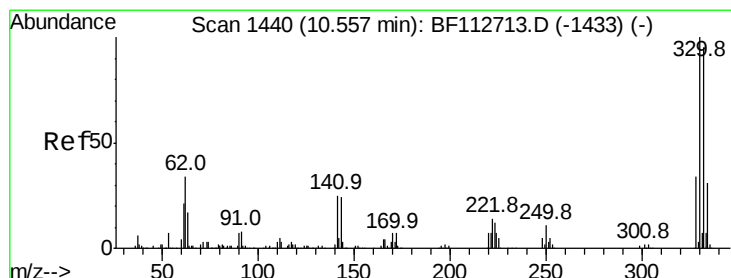
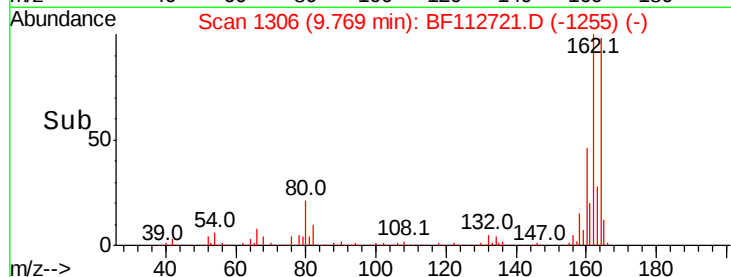
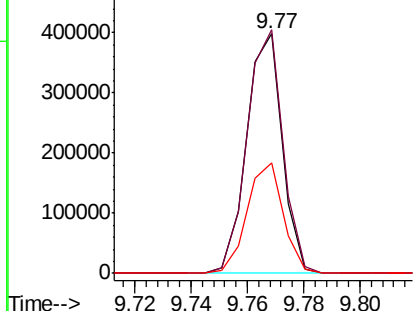
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1306
Delta R.T. -0.00 min
Lab File: BF112721.D
Acq: 27 Feb 2019 16:10

Instrument :
BNA_F
ClientSampleId :
L-1

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.7	80.6	120.8
160	46.3	36.0	54.0

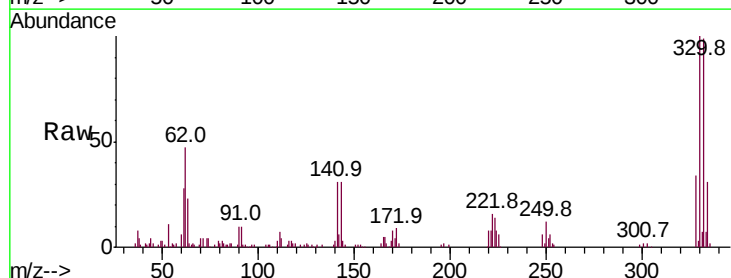


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

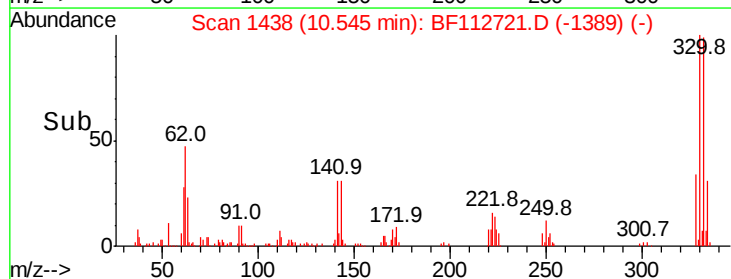
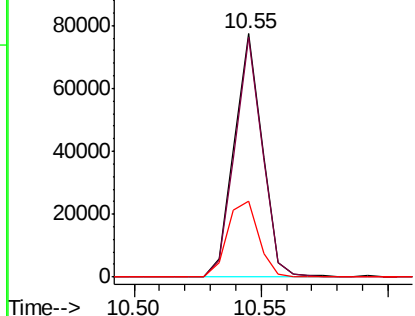


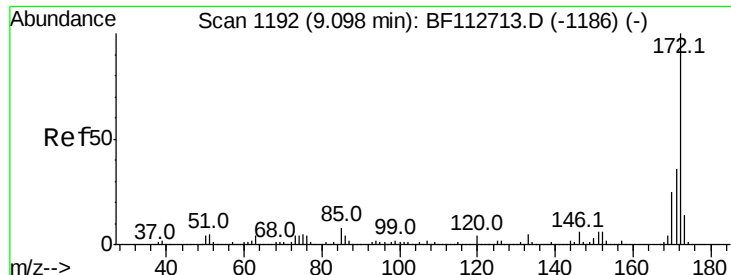
#42
2,4,6-Tribromophenol
Concen: 16.120 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.01 min
Lab File: BF112721.D
Acq: 27 Feb 2019 16:10

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.5	76.2	114.4
141	34.7	27.0	40.6



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

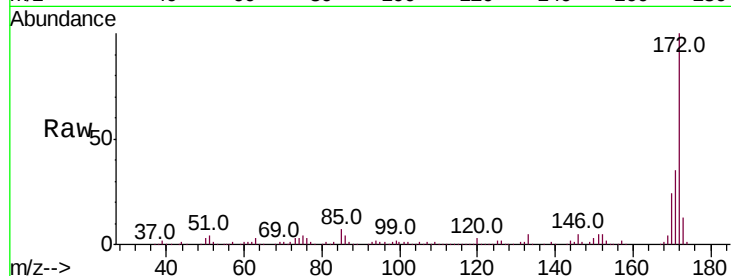




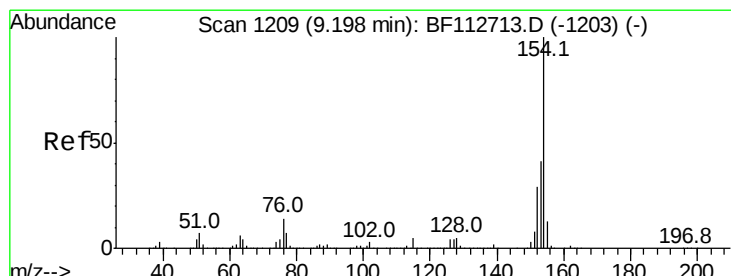
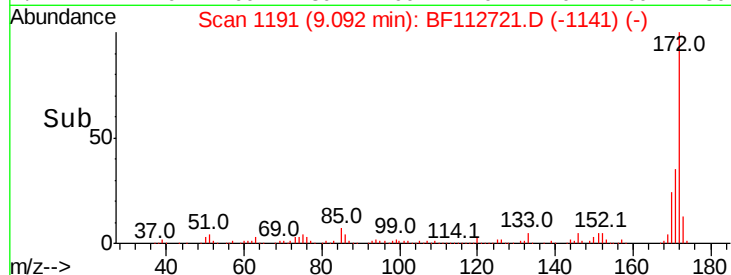
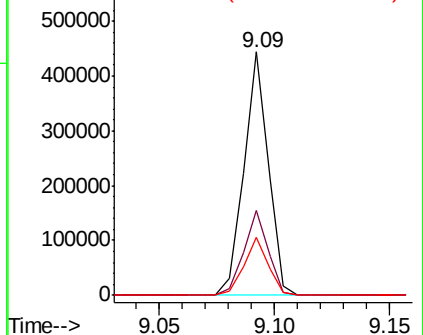
#45
 2-Fluorobiphenyl
 Concen: 3.490 ng
 RT: 9.09 min Scan# 1191
 Delta R.T. -0.01 min
 Lab File: BF112721.D
 Acq: 27 Feb 2019 16:10

Instrument :
 BNA_F
 ClientSampleId :
 L-1

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.7	29.0	43.4
170	23.6	20.0	30.0

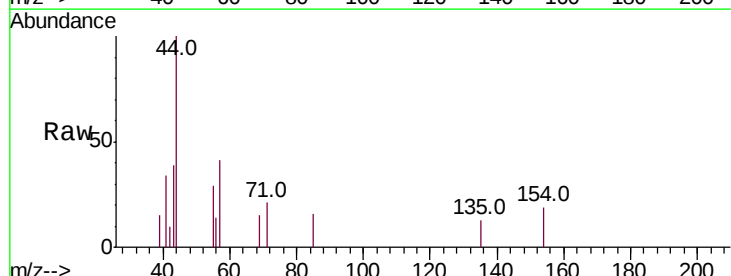


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

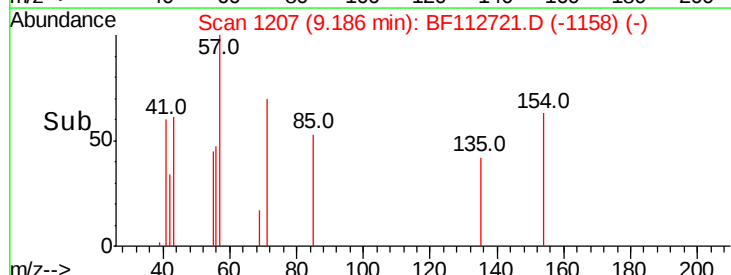
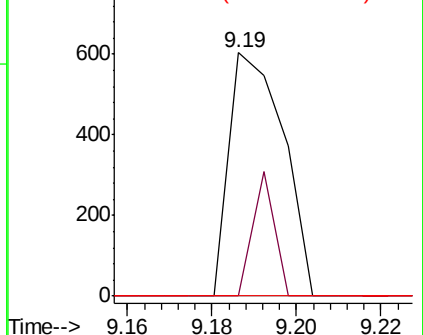


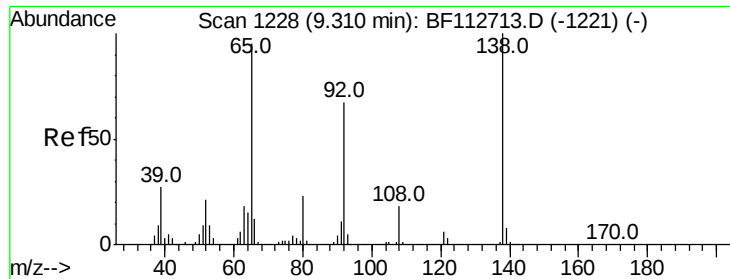
#46
 1,1'-Biphenyl
 Concen: 0.019 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. -0.01 min
 Lab File: BF112721.D
 Acq: 27 Feb 2019 16:10

Tgt Ion	Ratio	Lower	Upper
154	100		
153	0.0	20.8	60.8#
76	0.0	0.0	33.8



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

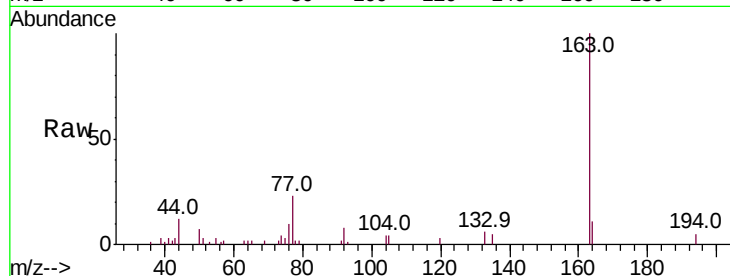




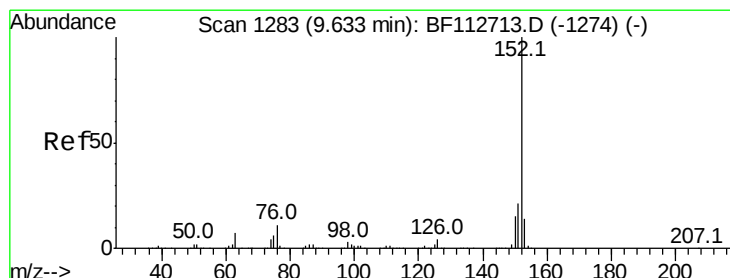
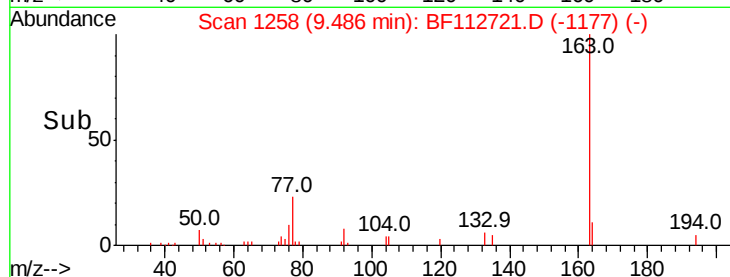
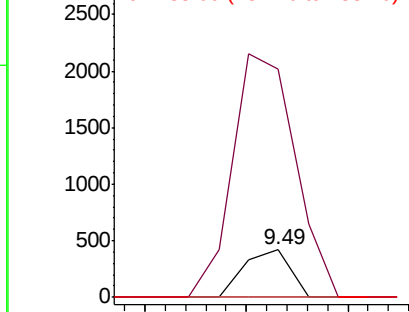
#48
2-Nitroaniline
Concen: 0.039 ng
RT: 9.49 min Scan# 1258
Delta R.T. 0.18 min
Lab File: BF112721.D
Acq: 27 Feb 2019 16:10

Instrument :
BNA_F
ClientSampleId :
L-1

Tot Ion	Ratio	Lower	Upper
65	100		
92	481.2	56.4	84.6#
138	0.0	84.6	126.8#

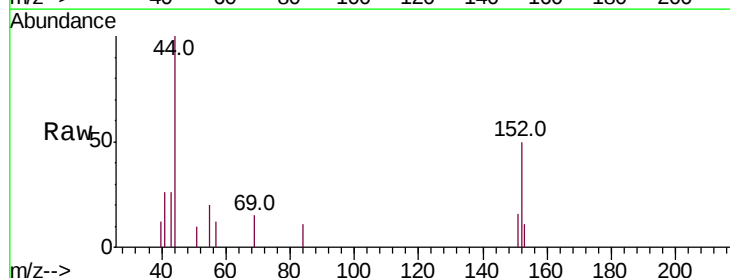


Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): E

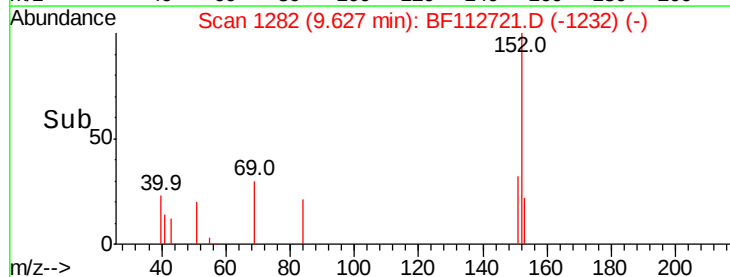
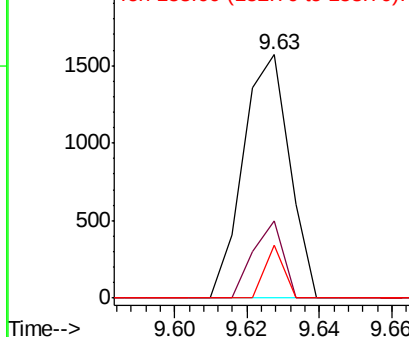


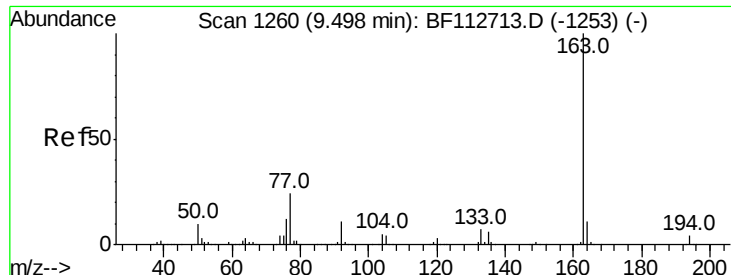
#49
Acenaphthylene
Concen: 0.037 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.01 min
Lab File: BF112721.D
Acq: 27 Feb 2019 16:10

Tgt Ion	Ratio	Lower	Upper
152	100		
151	32.0	16.9	25.3#
153	21.9	11.0	16.6#



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#50

Dimethylphthalate

Concen: 0.746 ng

RT: 9.49 min Scan# 1258

Delta R.T. -0.01 min

Lab File: BF112721.D

Acq: 27 Feb 2019 16:10

Instrument :

BNA_F

ClientSampleId :

L-1

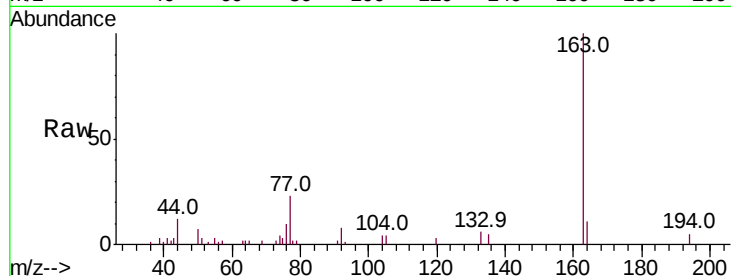
Tot Ion:163 Resp: 19073

Ion Ratio Lower Upper

163 100

194 4.7 3.0 4.4#

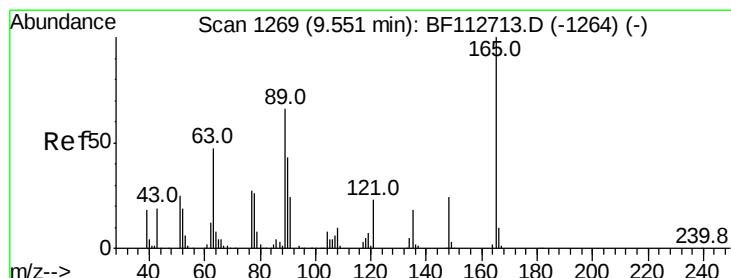
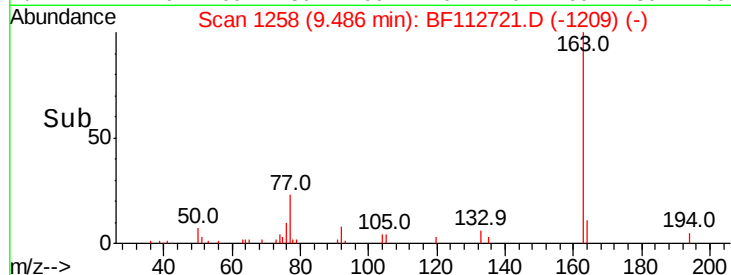
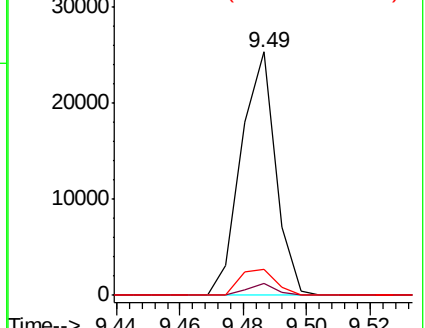
164 10.6 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51

2,6-Dinitrotoluene

Concen: 8.152 ng

RT: 9.77 min Scan# 1306

Delta R.T. 0.22 min

Lab File: BF112721.D

Acq: 27 Feb 2019 16:10

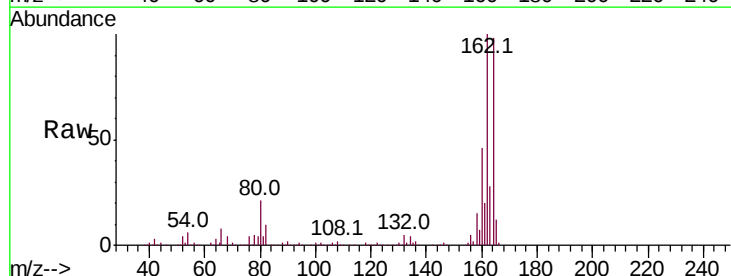
Tgt Ion:165 Resp: 43412

Ion Ratio Lower Upper

165 100

63 1.6 54.1 81.1#

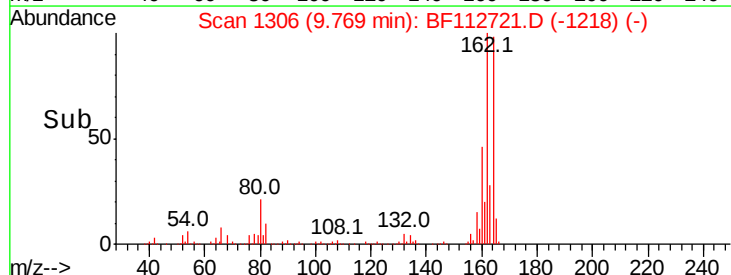
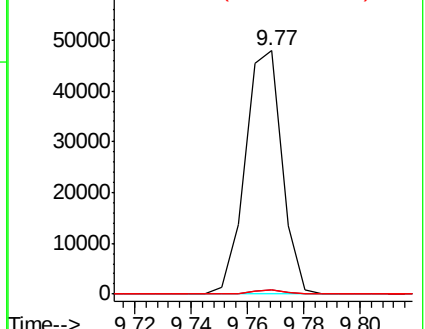
89 1.7 52.8 79.2#

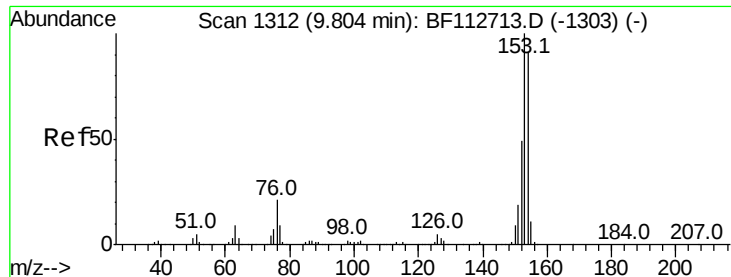


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#52

Acenaphthene

Concen: 0.052 ng

RT: 9.77 min Scan# 1306

Delta R.T. -0.04 min

Lab File: BF112721.D

Acq: 27 Feb 2019 16:10

Instrument :

BNA_F

ClientSampleId :

L-1

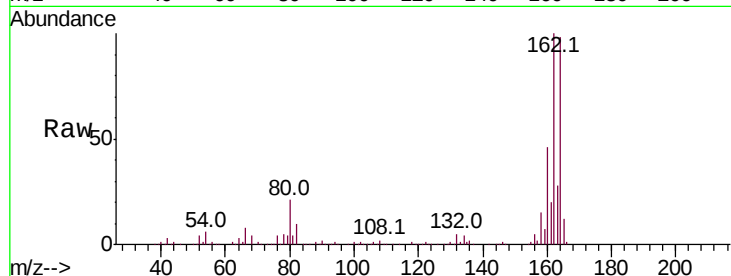
Tot Ion:154 Resp: 1144

Ion Ratio Lower Upper

154 100

153 0.0 87.8 131.8#

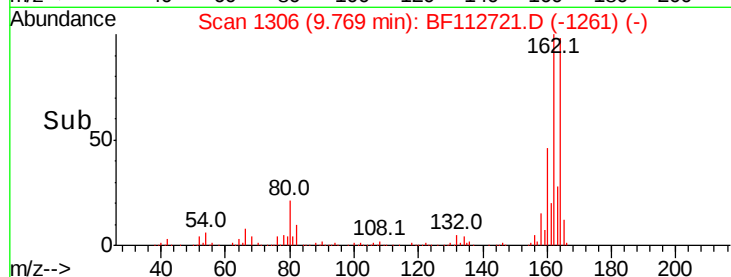
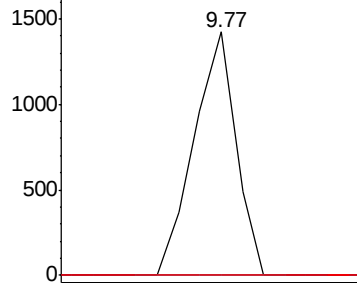
152 0.0 43.0 64.6#



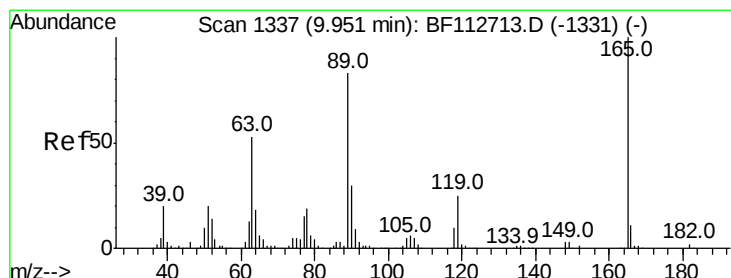
Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



Time-->



#57

2,4-Dinitrotoluene

Concen: 6.558 ng

RT: 9.77 min Scan# 1306

Delta R.T. -0.18 min

Lab File: BF112721.D

Acq: 27 Feb 2019 16:10

Tgt Ion:165 Resp: 43412

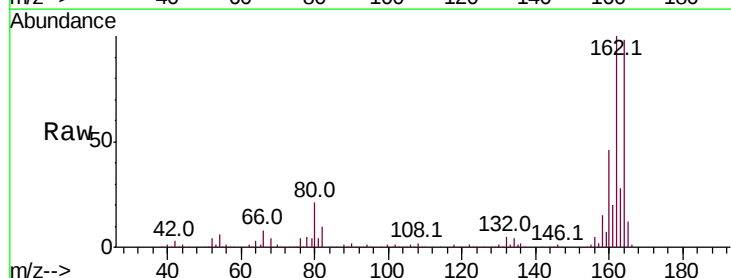
Ion Ratio Lower Upper

165 100

63 1.6 42.2 63.2#

89 1.7 66.2 99.4#

182 0.0 1.8 2.6#

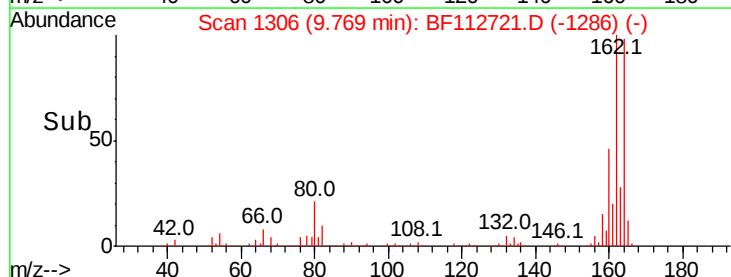
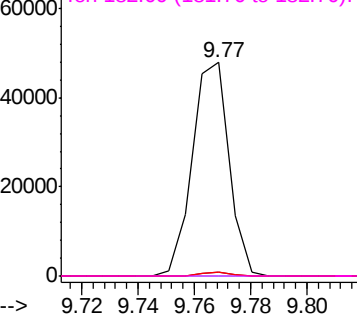


Abundance Ion 165.00 (164.70 to 165.70): E

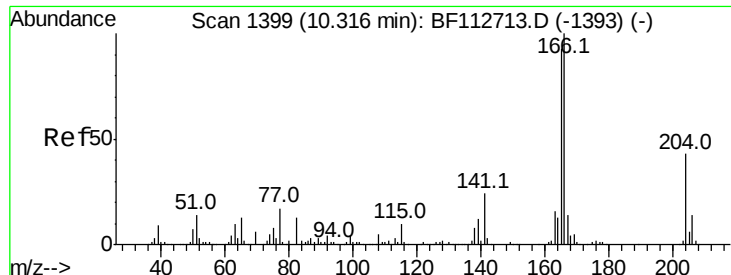
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



Time-->



#58

Fluorene

Concen: 0.006 ng

RT: 10.31 min Scan# 1398

Delta R.T. -0.01 min

Lab File: BF112721.D

Acq: 27 Feb 2019 16:10

Instrument :

BNA_F

ClientSampled :

L-1

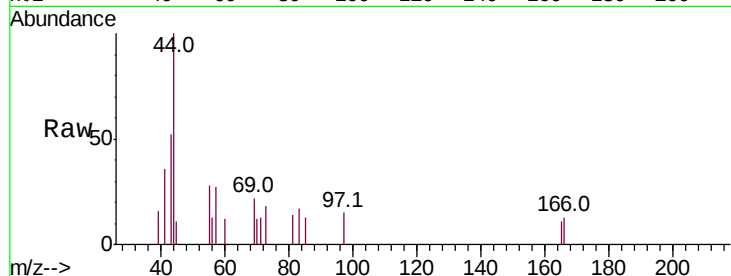
Tot Ion:166 Resp: 131

Ion Ratio Lower Upper

166 100

165 82.4 74.7 112.1

167 0.0 11.0 16.6#



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

10.31

400

300

200

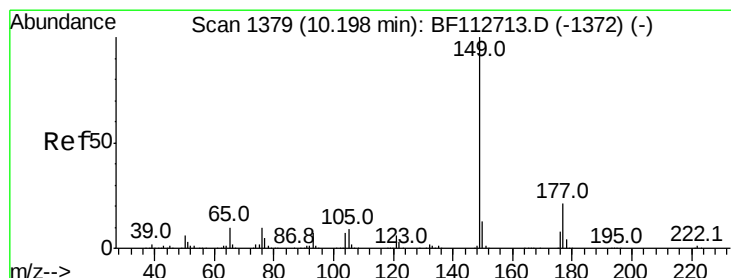
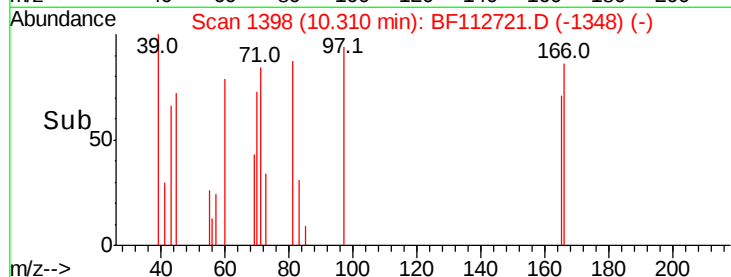
100

0

10.30

10.32

Time-->



#60

Diethylphthalate

Concen: 0.021 ng

RT: 10.19 min Scan# 1377

Delta R.T. -0.01 min

Lab File: BF112721.D

Acq: 27 Feb 2019 16:10

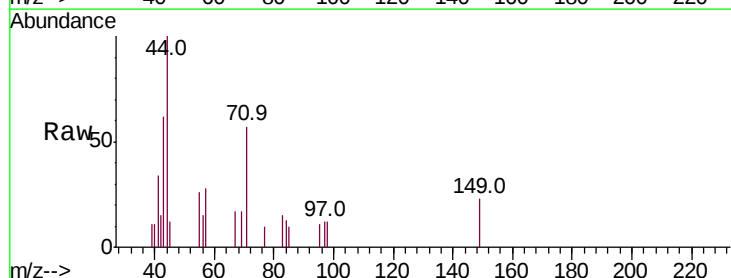
Tgt Ion:149 Resp: 566

Ion Ratio Lower Upper

149 100

177 0.0 17.0 25.6#

150 0.0 10.0 15.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

10.19

800

600

400

200

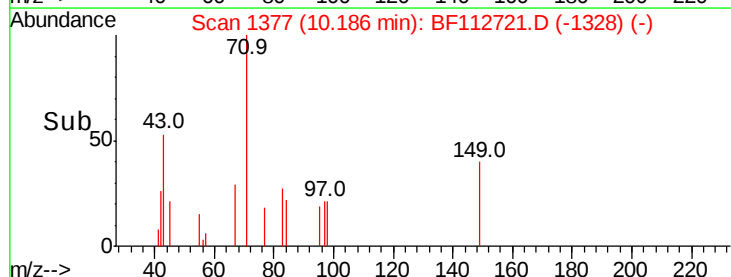
0

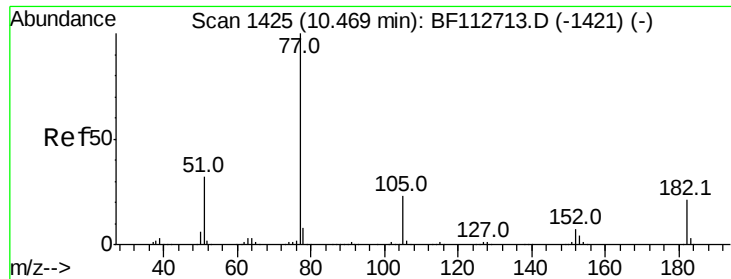
10.16

10.18

10.20

Time-->





#63

Azobenzene

Concen: 0.010 ng

RT: 10.46 min Scan# 1424

Delta R.T. -0.01 min

Lab File: BF112721.D

Acq: 27 Feb 2019 16:10

Instrument :

BNA_F

ClientSampleId :

L-1

Tot Ion: 77 Resp: 288

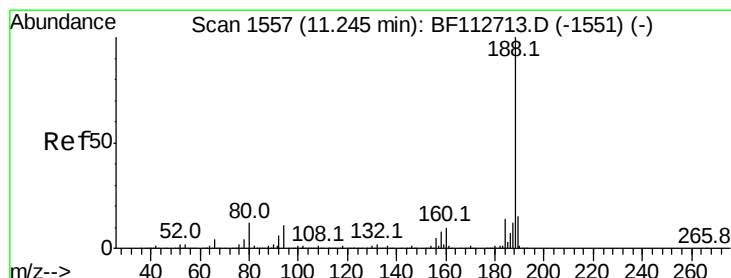
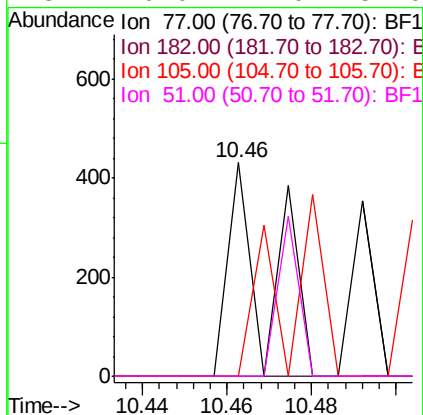
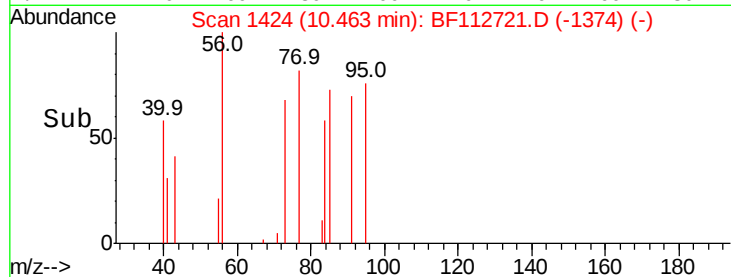
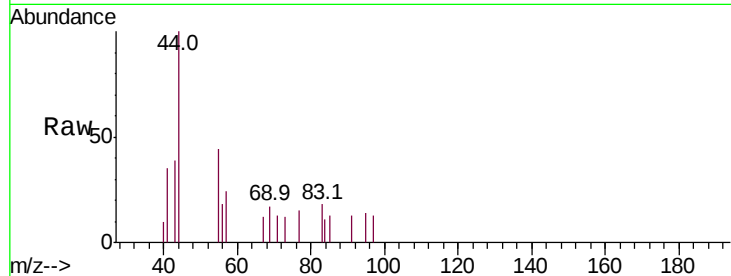
Ion Ratio Lower Upper

77 100

182 0.0 1.4 41.4#

105 0.0 2.6 42.6#

51 0.0 12.0 52.0#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.24 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BF112721.D

Acq: 27 Feb 2019 16:10

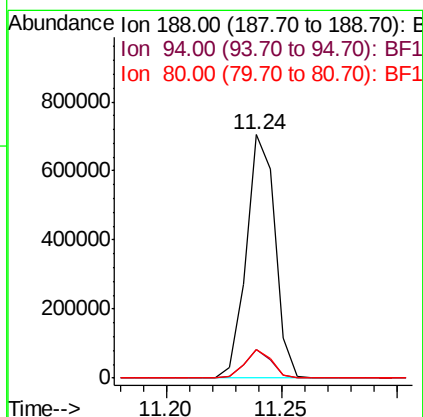
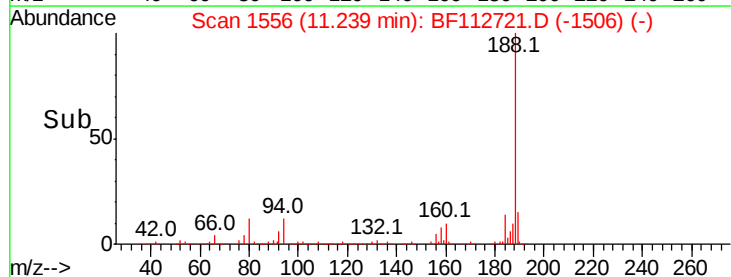
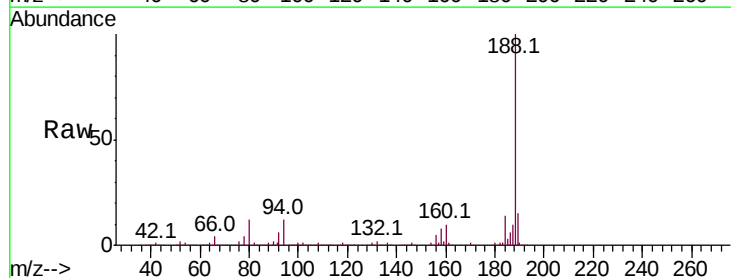
Tgt Ion: 188 Resp: 612461

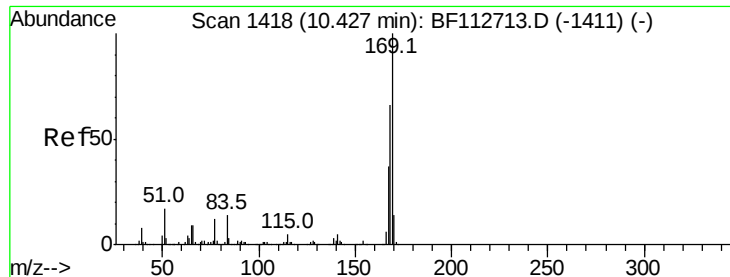
Ion Ratio Lower Upper

188 100

94 11.5 9.0 13.4

80 11.7 9.2 13.8

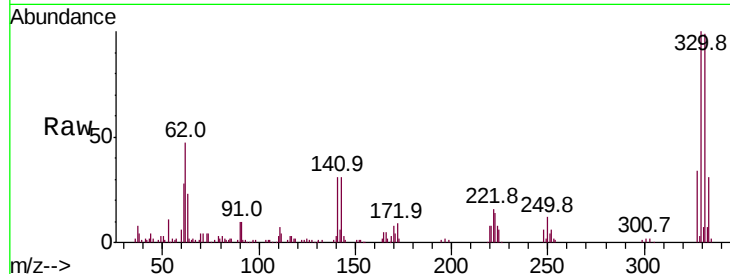




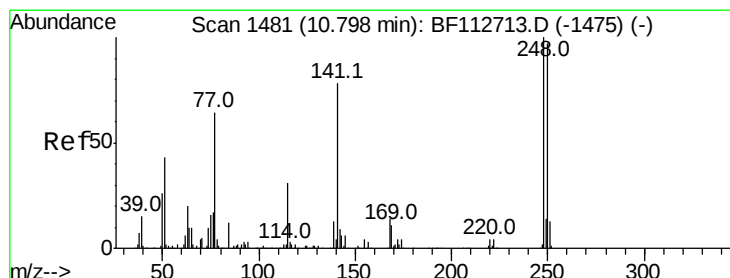
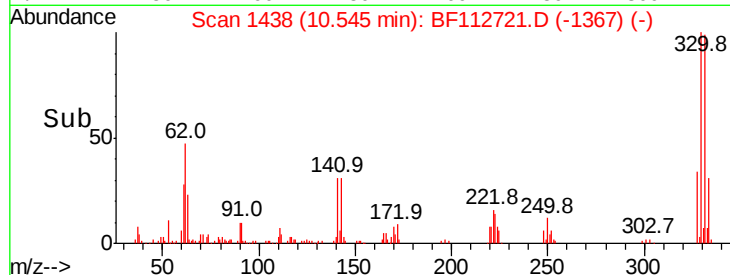
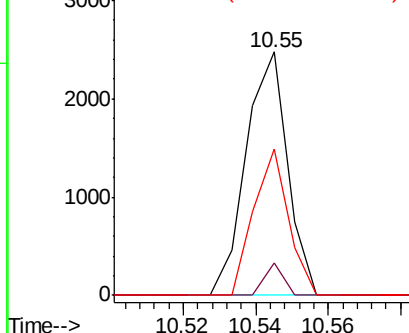
#66
 n-Nitrosodiphenylamine
 Concen: 0.101 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. 0.12 min
 Lab File: BF112721.D
 Acq: 27 Feb 2019 16:10

Instrument :
 BNA_F
 ClientSampleId :
 L-1

Tot Ion:169 Resp: 1978
 Ion Ratio Lower Upper
 169 100
 168 13.5 53.0 79.6#
 167 60.2 29.3 43.9#

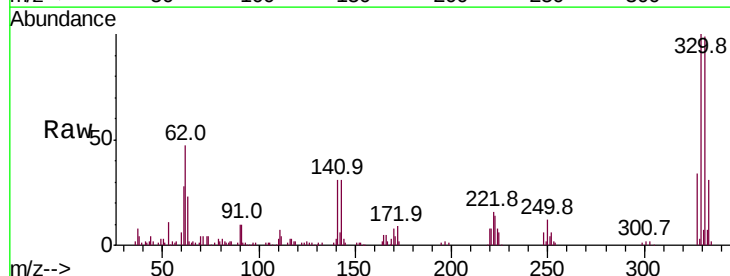


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

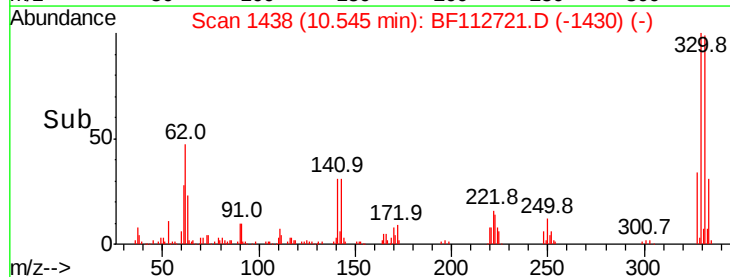
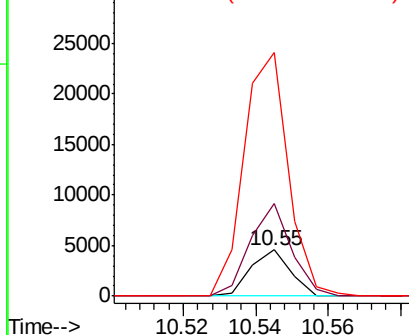


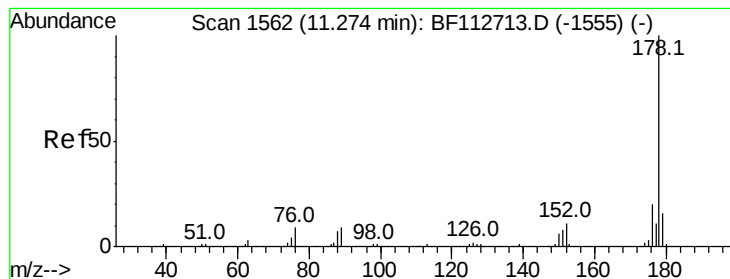
#67
 4-Bromophenyl-phenylether
 Concen: 0.542 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.25 min
 Lab File: BF112721.D
 Acq: 27 Feb 2019 16:10

Tgt Ion:248 Resp: 3495
 Ion Ratio Lower Upper
 248 100
 250 200.4 77.5 116.3#
 141 529.3 62.4 93.6#



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: 0.093 ng

RT: 11.26 min Scan# 1560

Delta R.T. -0.01 min

Lab File: BF112721.D

Acq: 27 Feb 2019 16:10

Instrument :

BNA_F

ClientSampleId :

L-1

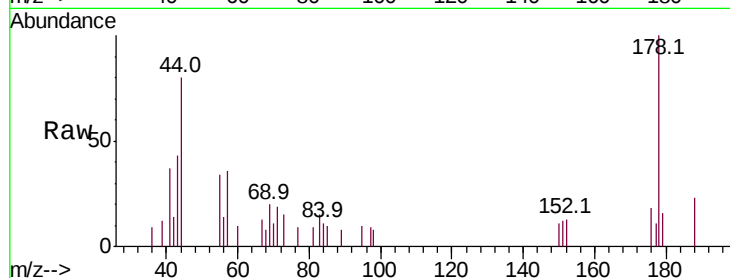
Tot Ion:178 Resp: 2827

Ion Ratio Lower Upper

178 100

176 18.4 16.3 24.5

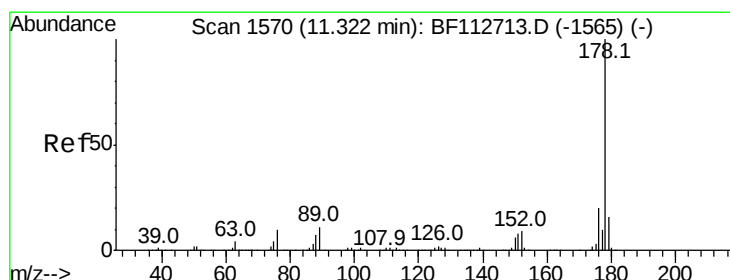
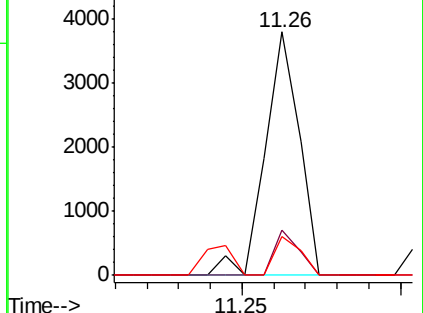
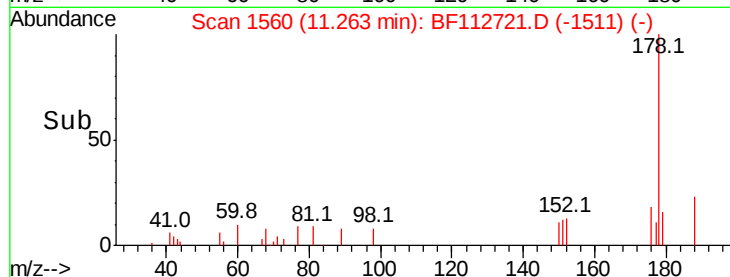
179 15.8 12.7 19.1



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: 0.054 ng

RT: 11.32 min Scan# 1569

Delta R.T. -0.01 min

Lab File: BF112721.D

Acq: 27 Feb 2019 16:10

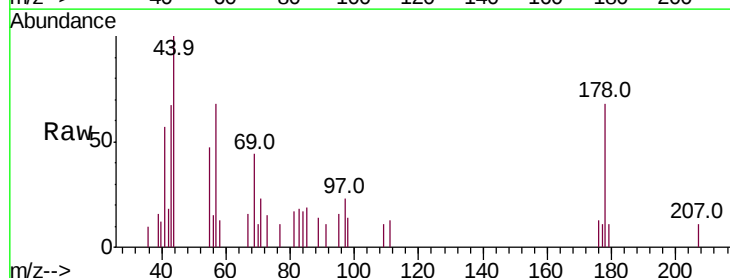
Tgt Ion:178 Resp: 1728

Ion Ratio Lower Upper

178 100

176 19.4 15.8 23.6

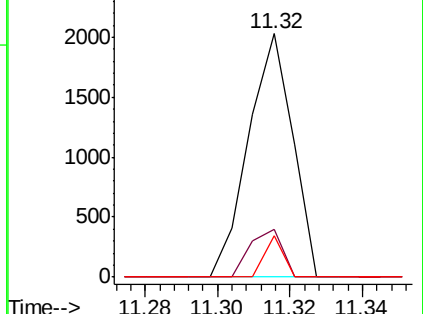
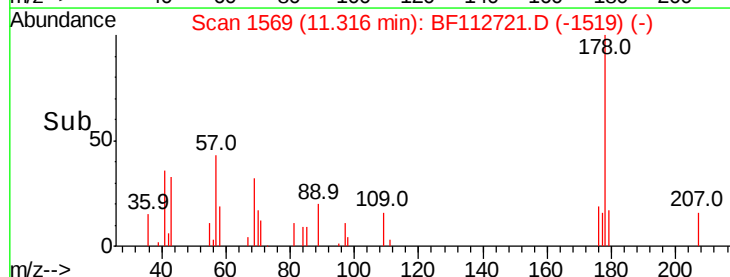
179 16.9 13.0 19.6

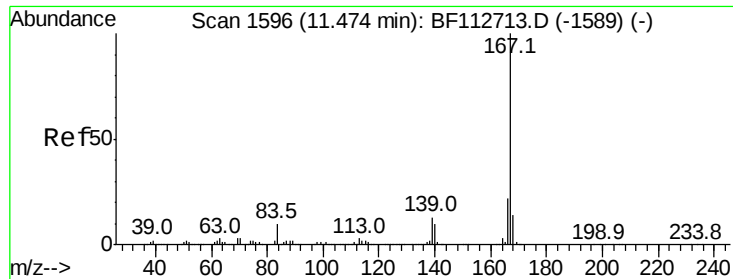


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

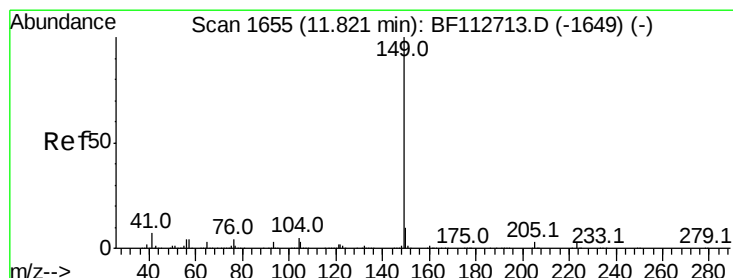
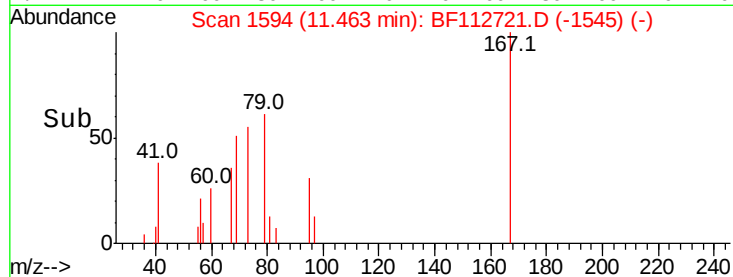
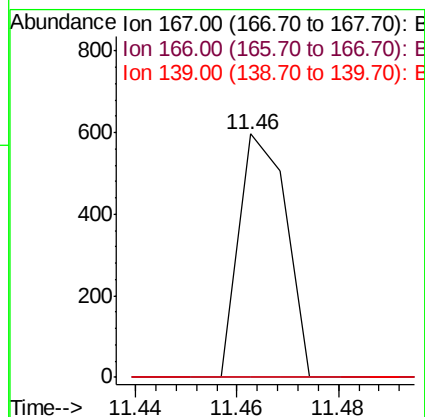
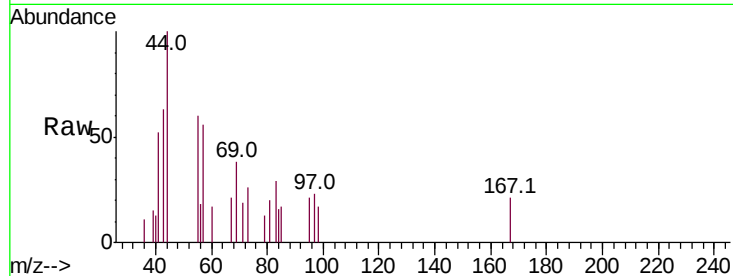




#73
 Carbazole
 Concen: 0.013 ng
 RT: 11.46 min Scan# 1594
 Delta R.T. -0.01 min
 Lab File: BF112721.D
 Acq: 27 Feb 2019 16:10

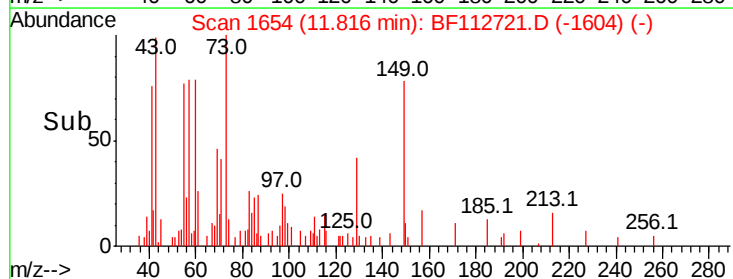
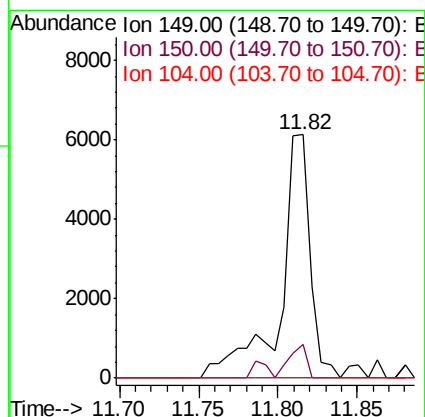
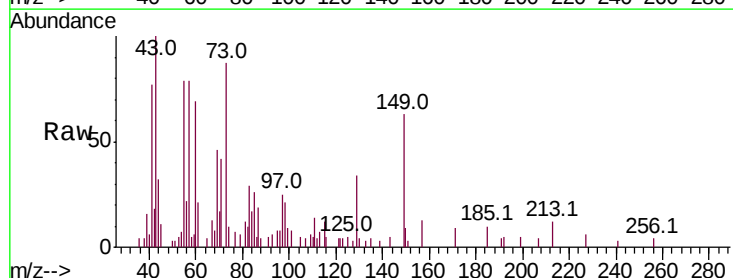
Instrument :
 BNA_F
 ClientSampleId :
 L-1

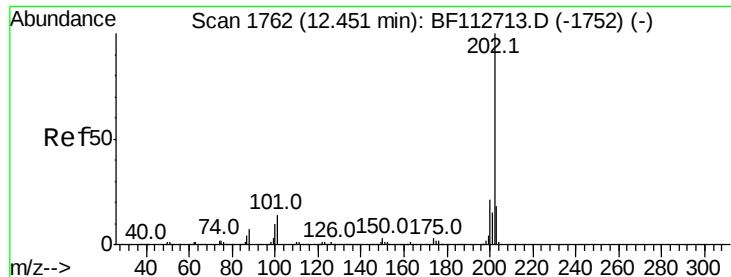
Tot Ion:167 Resp: 389
 Ion Ratio Lower Upper
 167 100
 166 0.0 17.5 26.3#
 139 0.0 10.8 16.2#



#74
 Di-n-butylphthalate
 Concen: 0.213 ng
 RT: 11.82 min Scan# 1654
 Delta R.T. -0.01 min
 Lab File: BF112721.D
 Acq: 27 Feb 2019 16:10

Tgt Ion:149 Resp: 7943
 Ion Ratio Lower Upper
 149 100
 150 14.0 7.6 11.4#
 104 0.0 3.7 5.5#





#75

Fluoranthene

Concen: 0.608 ng

RT: 12.44 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF112721.D

Acq: 27 Feb 2019 16:10

Instrument :

BNA_F

ClientSampleId :

L-1

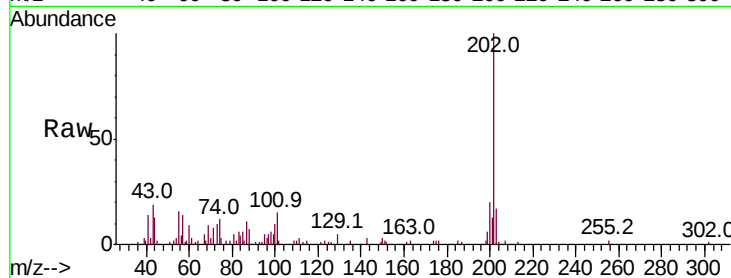
Tot Ion:202 Resp: 19856

Ion Ratio Lower Upper

202 100

101 15.0 0.0 33.8

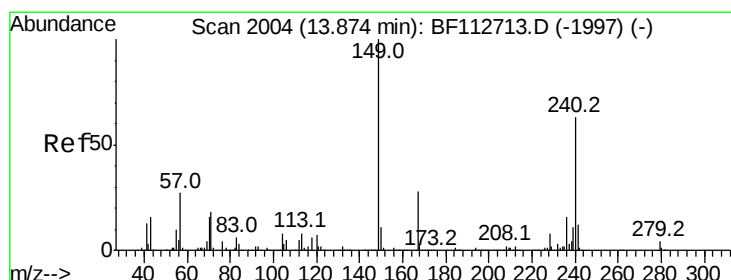
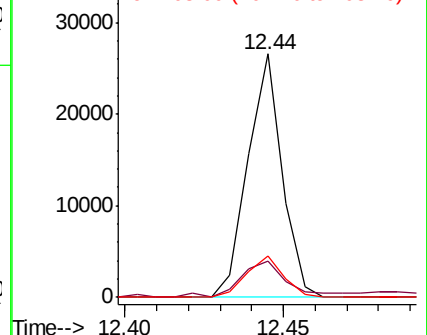
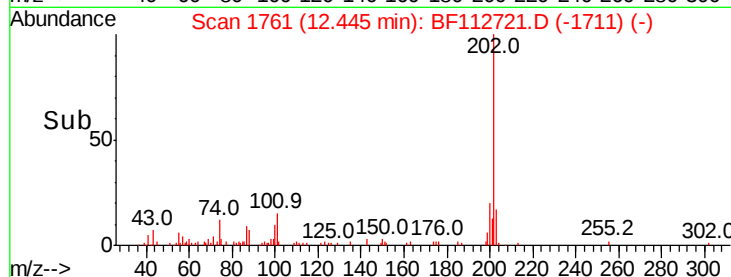
203 17.1 0.0 38.4



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: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF112721.D

Acq: 27 Feb 2019 16:10

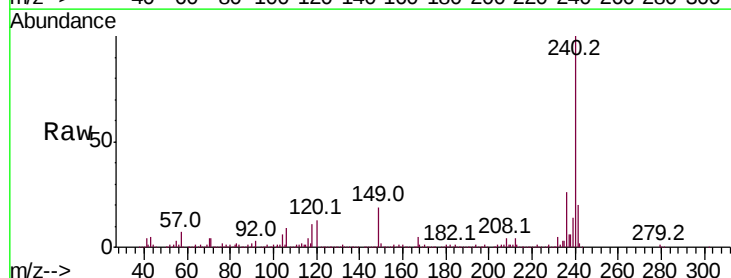
Tgt Ion:240 Resp: 460960

Ion Ratio Lower Upper

240 100

120 12.8 8.9 13.3

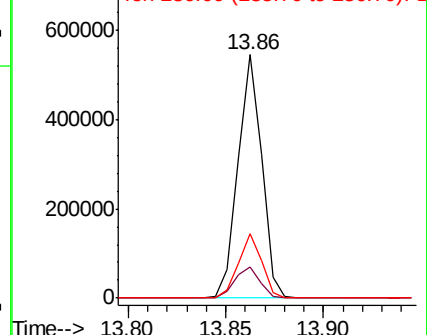
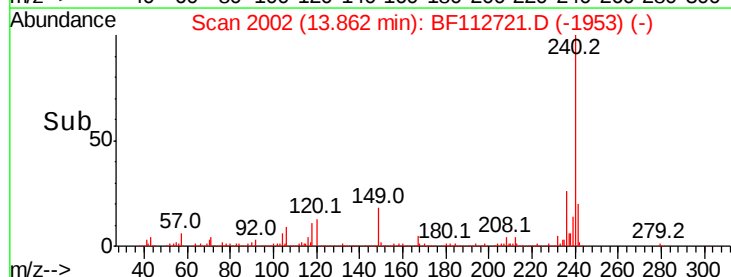
236 26.2 20.7 31.1

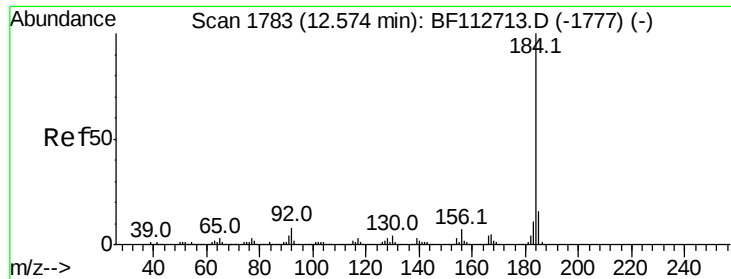


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 0.133 ng

RT: 12.82 min Scan# 1825

Delta R.T. 0.25 min

Lab File: BF112721.D

Acq: 27 Feb 2019 16:10

Instrument :

BNA_F

ClientSampleId :

L-1

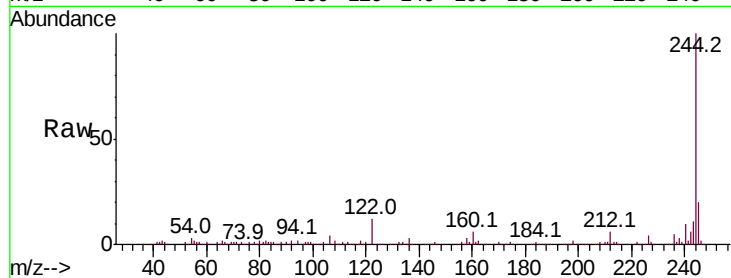
Tot Ion:184 Resp: 3186

Ion Ratio Lower Upper

184 100

185 29.0 12.6 18.8#

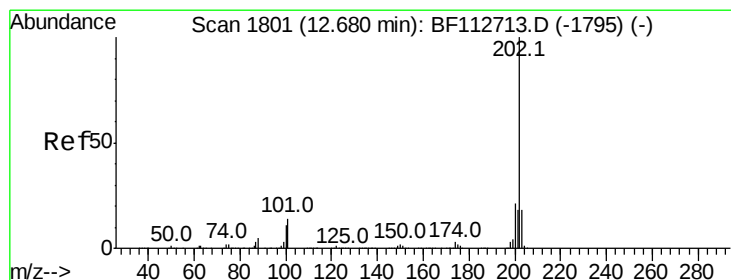
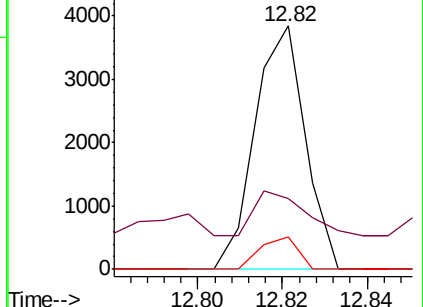
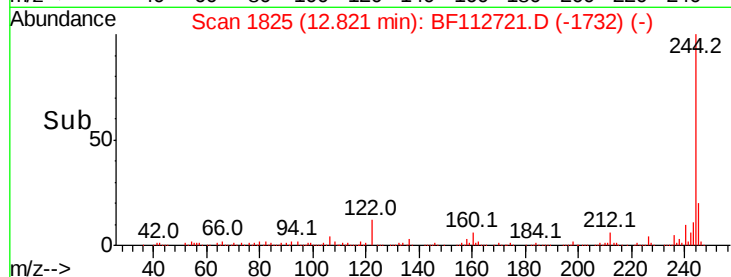
183 13.2 8.6 12.8#



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: 0.545 ng

RT: 12.67 min Scan# 1799

Delta R.T. -0.01 min

Lab File: BF112721.D

Acq: 27 Feb 2019 16:10

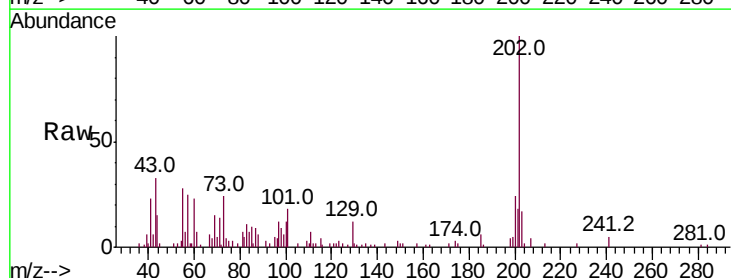
Tgt Ion:202 Resp: 21160

Ion Ratio Lower Upper

202 100

200 24.1 17.0 25.4

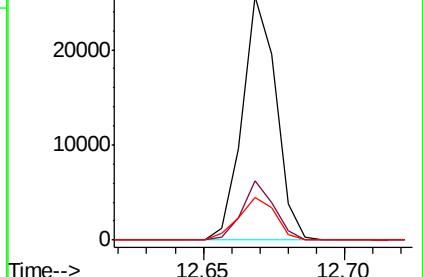
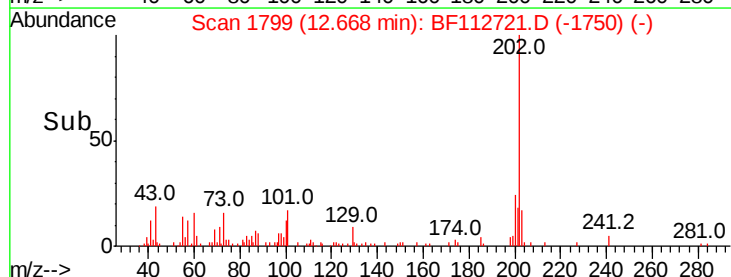
203 17.4 14.4 21.6

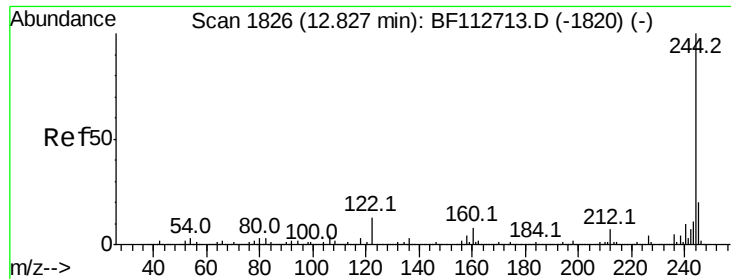


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

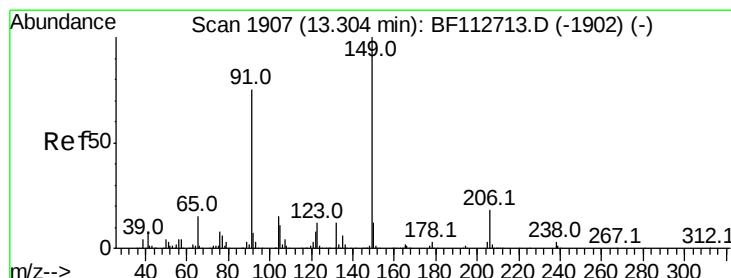
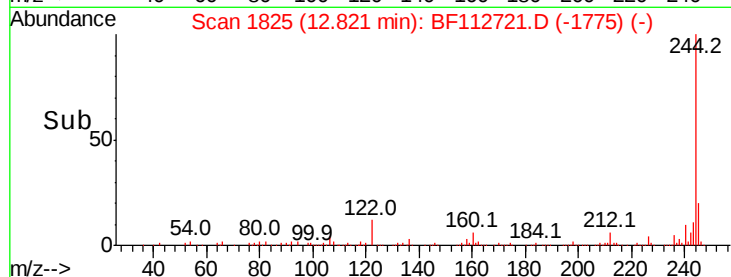
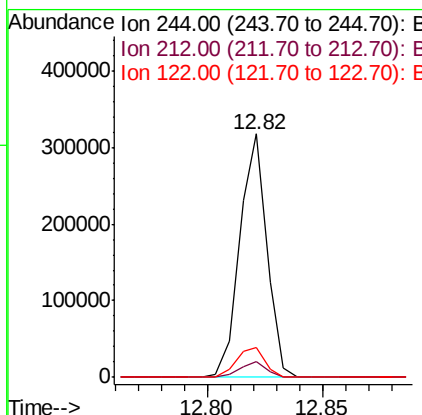
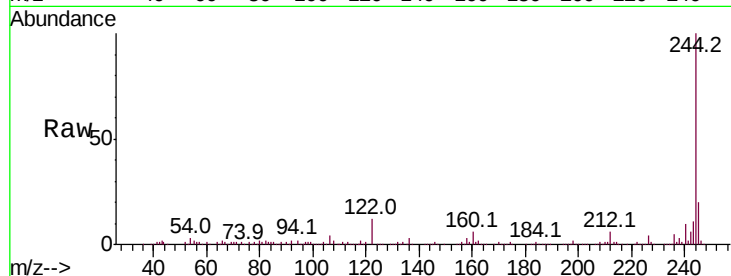




#79
 Terphenyl-d14
 Concen: 10.954 ng
 RT: 12.82 min Scan# 1825
 Delta R.T. -0.01 min
 Lab File: BF112721.D
 Acq: 27 Feb 2019 16:10

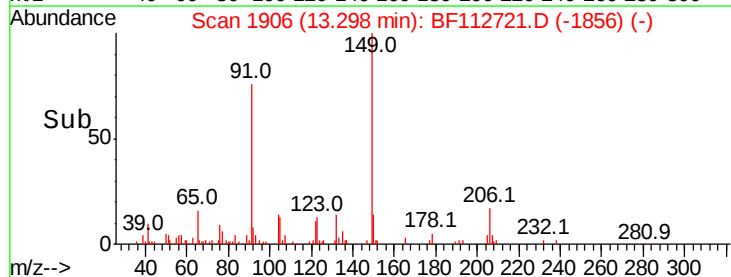
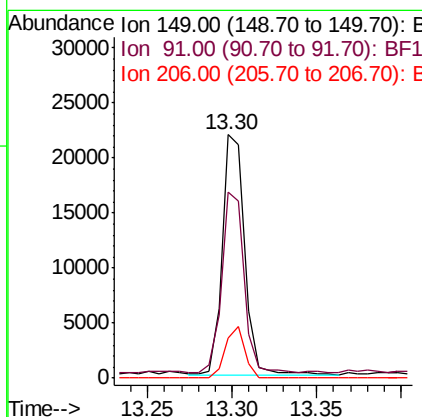
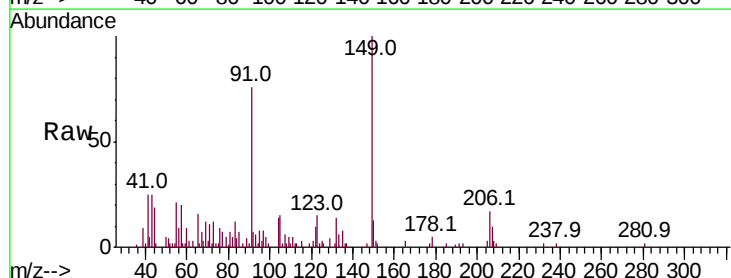
Instrument :
 BNA_F
 ClientSampleId :
 L-1

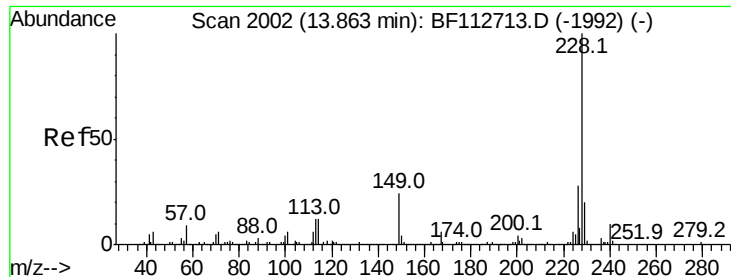
Tot Ion:244 Resp: 260475
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.6 8.4
 122 12.1 10.5 15.7



#80
 Butylbenzylphthalate
 Concen: 1.166 ng
 RT: 13.30 min Scan# 1906
 Delta R.T. -0.01 min
 Lab File: BF112721.D
 Acq: 27 Feb 2019 16:10

Tgt Ion:149 Resp: 19997
 Ion Ratio Lower Upper
 149 100
 91 76.2 59.9 89.9
 206 16.7 14.7 22.1





#81

Benzo(a)anthracene

Concen: 0.396 ng

RT: 13.89 min Scan# 2006

Delta R.T. 0.02 min

Lab File: BF112721.D

Acq: 27 Feb 2019 16:10

Instrument :

BNA_F

ClientSampleId :

L-1

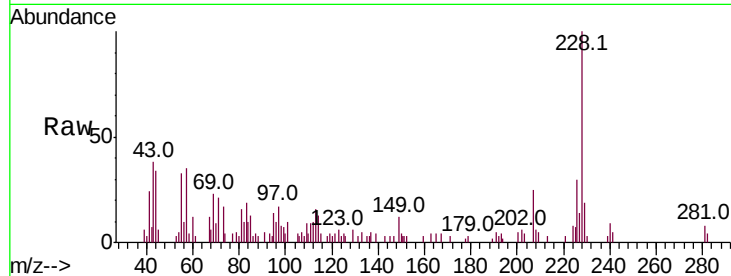
Tot Ion:228 Resp: 12656

Ion Ratio Lower Upper

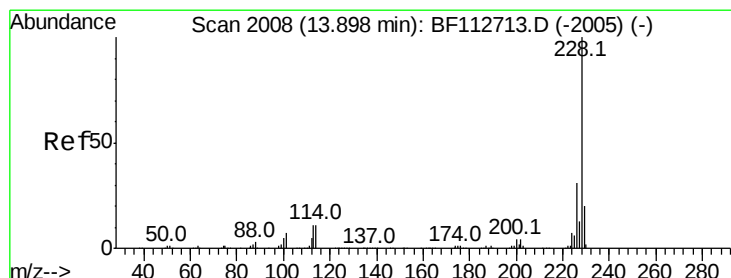
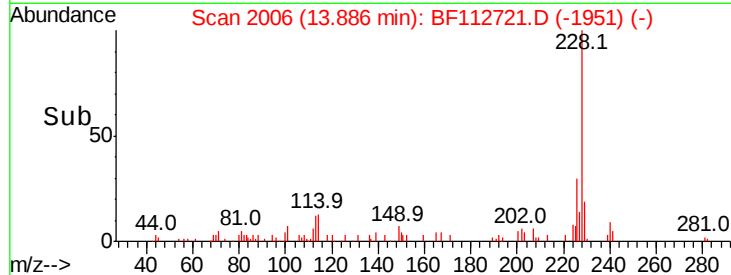
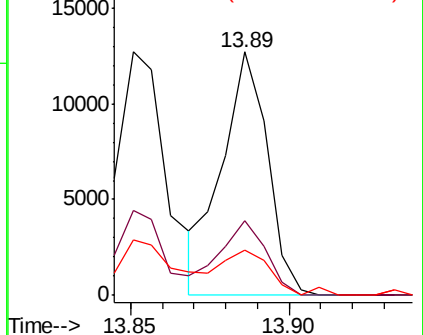
228 100

226 30.4 22.2 33.4

229 18.7 16.0 24.0



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 0.404 ng

RT: 13.89 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF112721.D

Acq: 27 Feb 2019 16:10

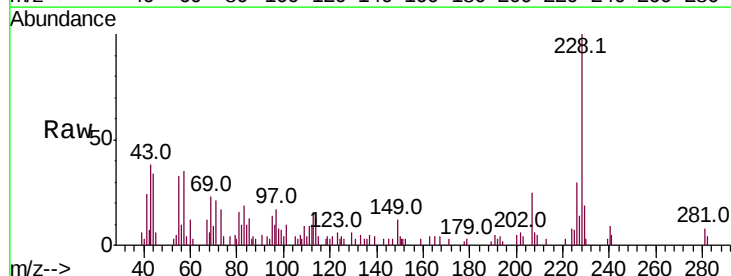
Tgt Ion:228 Resp: 12656

Ion Ratio Lower Upper

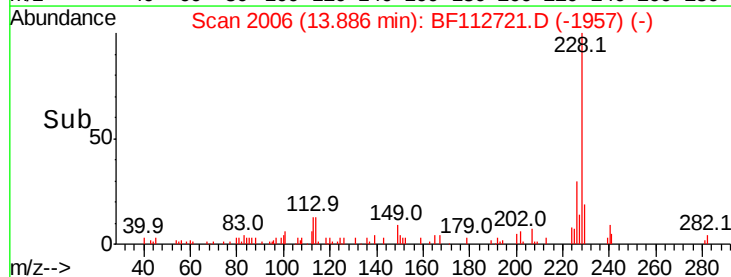
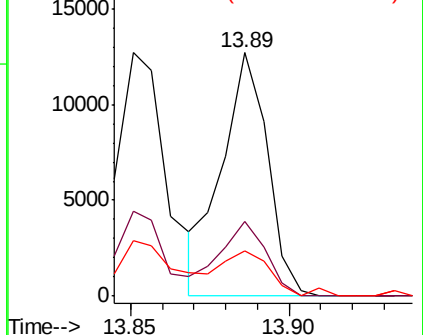
228 100

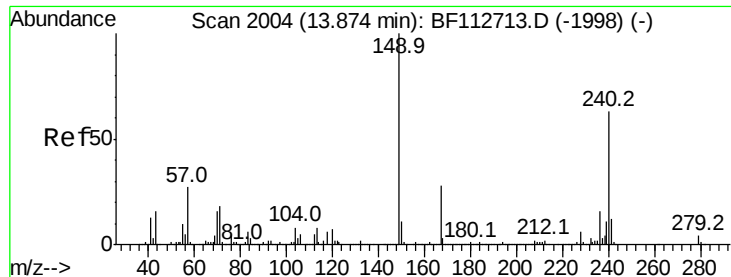
226 30.4 24.9 37.3

229 18.7 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 6.818 ng

RT: 13.87 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BF112721.D

Acq: 27 Feb 2019 16:10

Instrument :

BNA_F

ClientSampleId :

L-1

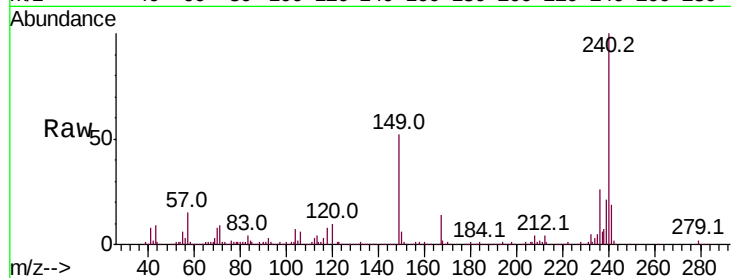
Tot Ion:149 Resp: 137184

Ion Ratio Lower Upper

149 100

167 26.5 22.4 33.6

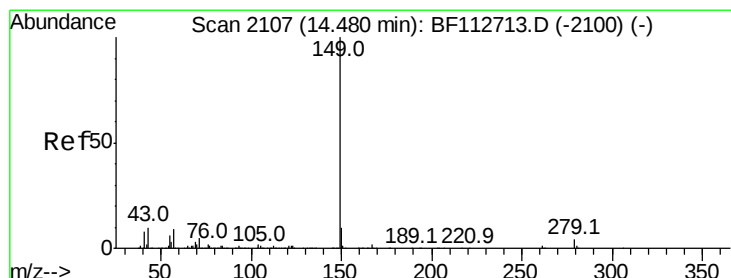
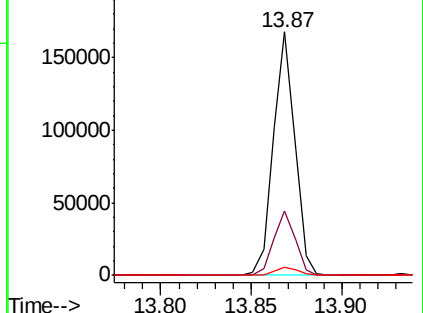
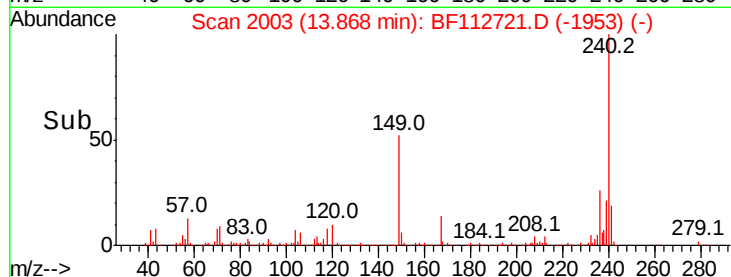
279 3.1 3.3 4.9#



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: 0.026 ng

RT: 14.47 min Scan# 2106

Delta R.T. -0.01 min

Lab File: BF112721.D

Acq: 27 Feb 2019 16:10

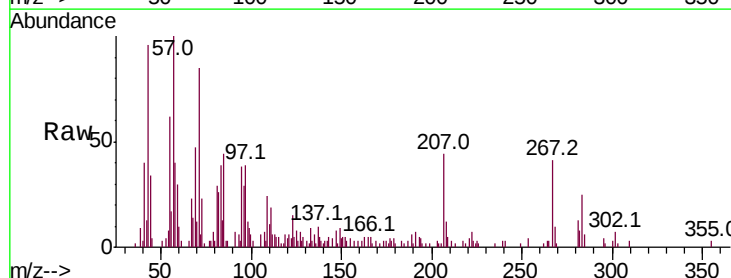
Tgt Ion:149 Resp: 894

Ion Ratio Lower Upper

149 100

167 69.0 1.2 1.8#

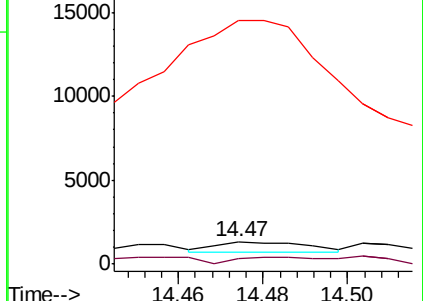
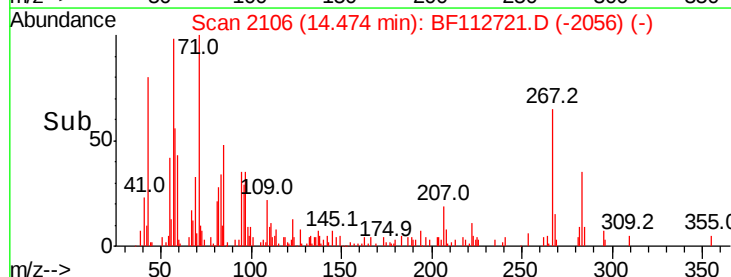
43 3271.9 9.0 13.4#

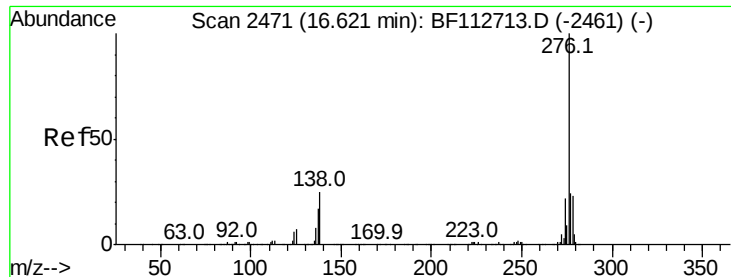


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1

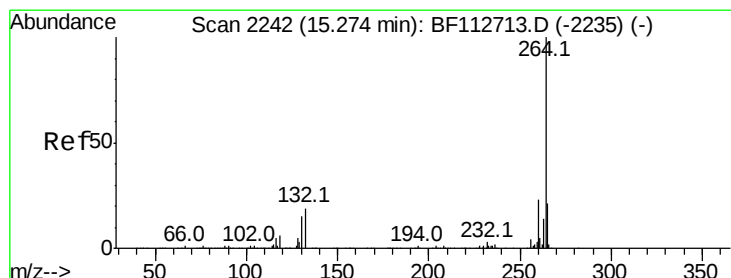
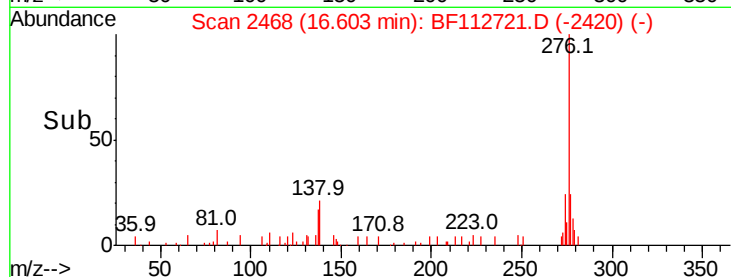
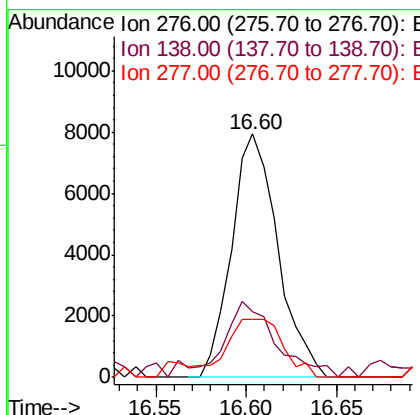
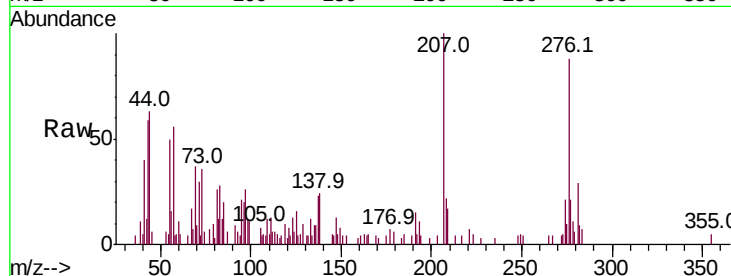




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 0.528 ng
 RT: 16.60 min Scan# 2468
 Delta R.T. -0.02 min
 Lab File: BF112721.D
 Acq: 27 Feb 2019 16:10

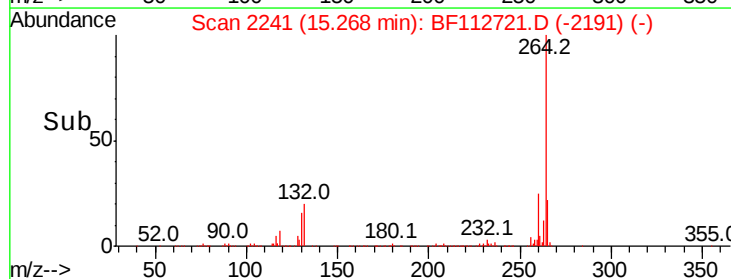
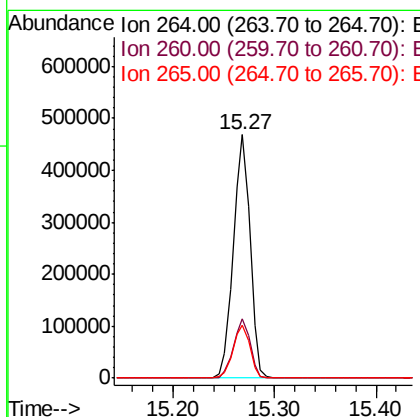
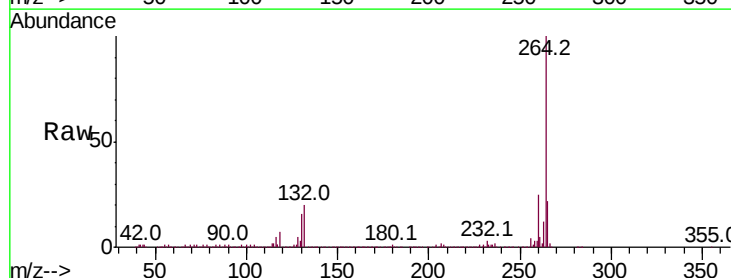
Instrument :
 BNA_F
 ClientSampleId :
 L-1

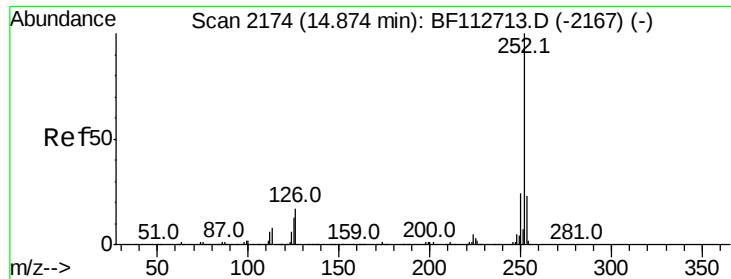
Tot Ion:276 Resp: 14086
 Ion Ratio Lower Upper
 276 100
 138 36.7 23.2 34.8#
 277 27.6 19.9 29.9



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.27 min Scan# 2241
 Delta R.T. -0.01 min
 Lab File: BF112721.D
 Acq: 27 Feb 2019 16:10

Tgt Ion:264 Resp: 537964
 Ion Ratio Lower Upper
 264 100
 260 24.6 18.7 28.1
 265 21.8 17.2 25.8





#88

Benzo(b)fluoranthene

Concen: 0.874 ng

RT: 14.87 min Scan# 2173

Delta R.T. -0.01 min

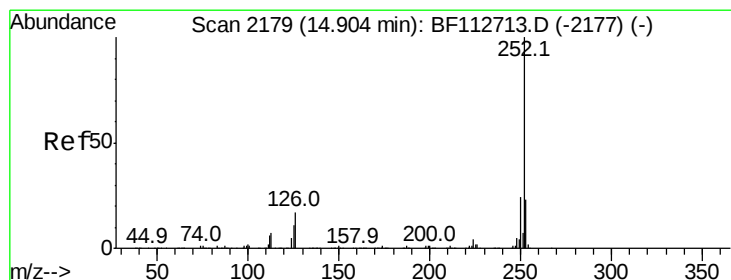
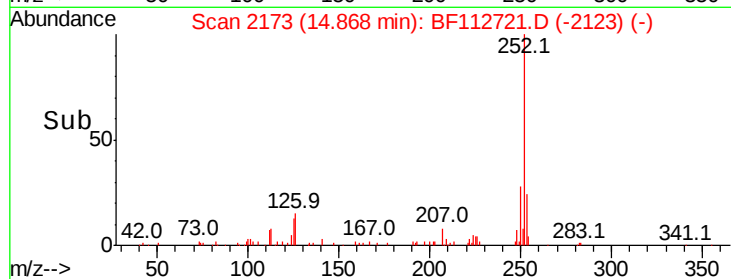
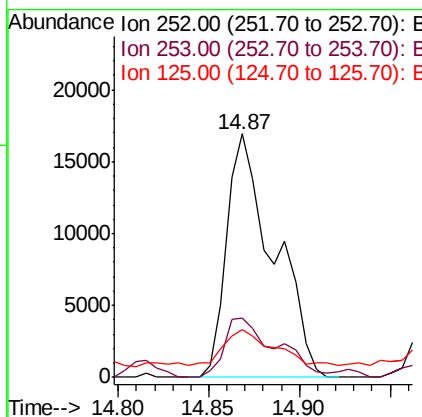
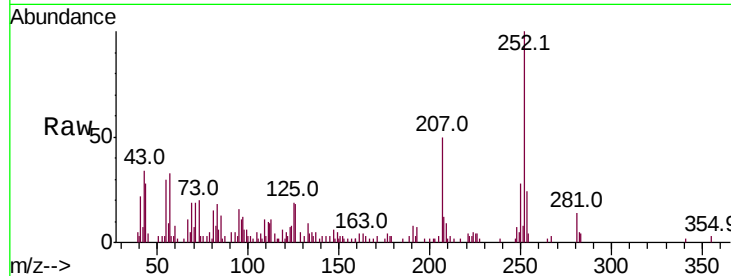
Lab File: BF112721.D

Acq: 27 Feb 2019 16:10

Instrument :
BNA_F
ClientSampleId :
L-1

Tot Ion:252 Resp: 30425

Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.0	27.0
125	19.5	10.2	15.2#



#89

Benzo(k)fluoranthene

Concen: 0.965 ng

RT: 14.87 min Scan# 2173

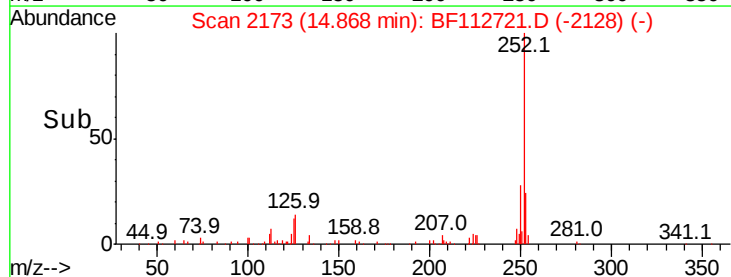
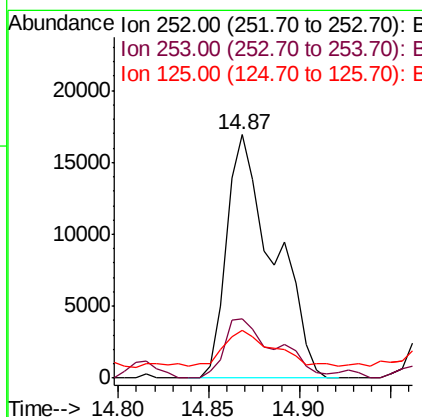
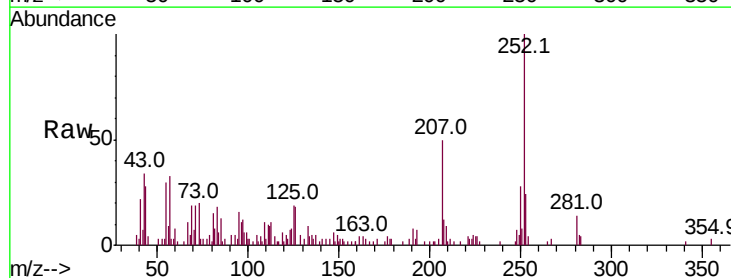
Delta R.T. -0.04 min

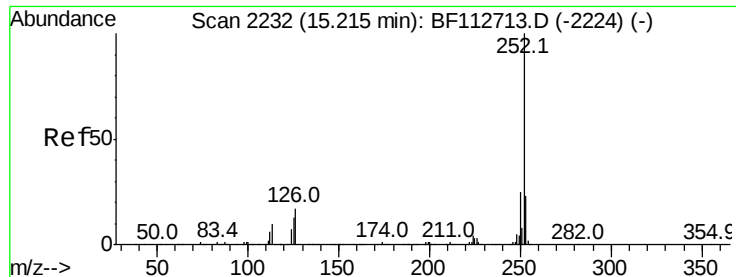
Lab File: BF112721.D

Acq: 27 Feb 2019 16:10

Tgt Ion:252 Resp: 30425

Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.2	27.2
125	19.5	9.8	14.6#





#90

Benzo(a)pyrene

Concen: 0.568 ng

RT: 15.20 min Scan# 2230

Delta R.T. -0.01 min

Lab File: BF112721.D

Acq: 27 Feb 2019 16:10

Instrument :

BNA_F

ClientSampleId :

L-1

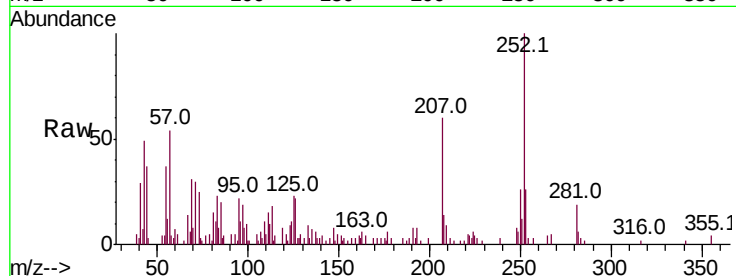
Tot Ion:252 Resp: 17471

Ion Ratio Lower Upper

252 100

253 26.4 18.0 27.0

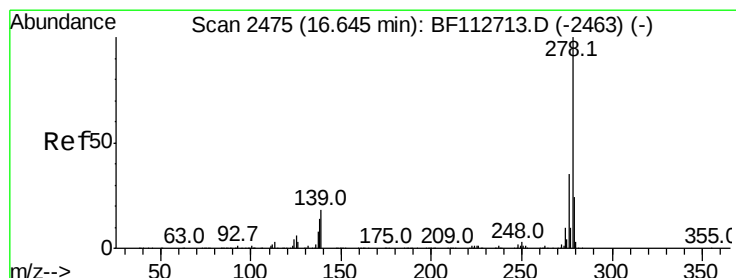
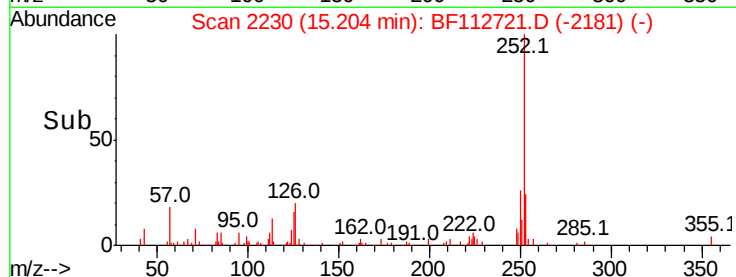
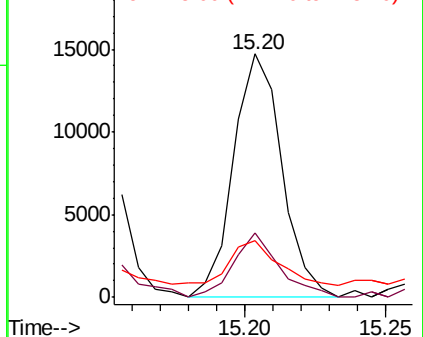
125 23.1 10.7 16.1#



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



#91

Dibenzo(a,h)anthracene

Concen: 0.142 ng

RT: 16.62 min Scan# 2470

Delta R.T. -0.03 min

Lab File: BF112721.D

Acq: 27 Feb 2019 16:10

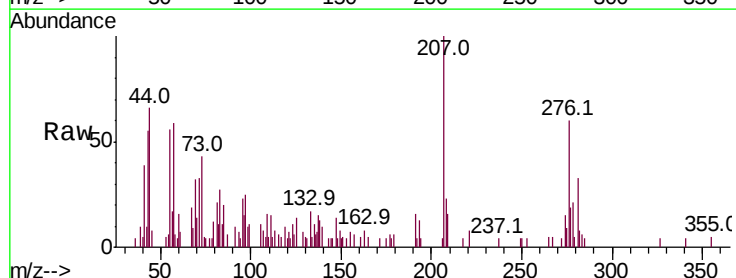
Tgt Ion:278 Resp: 3742

Ion Ratio Lower Upper

278 100

139 47.3 14.3 21.5#

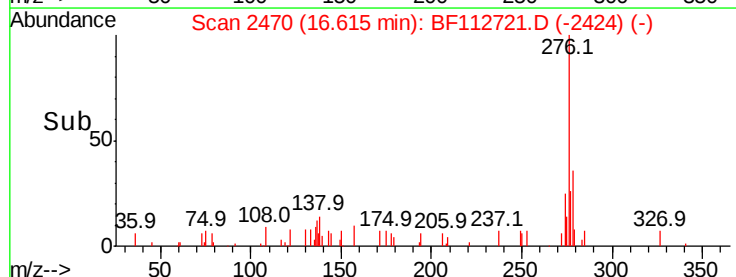
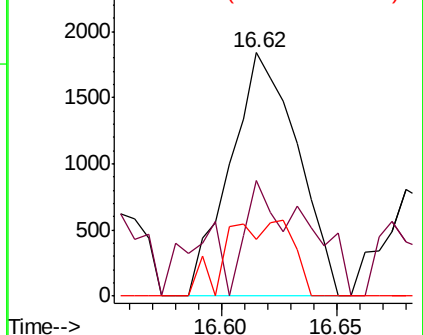
279 23.6 19.4 29.0

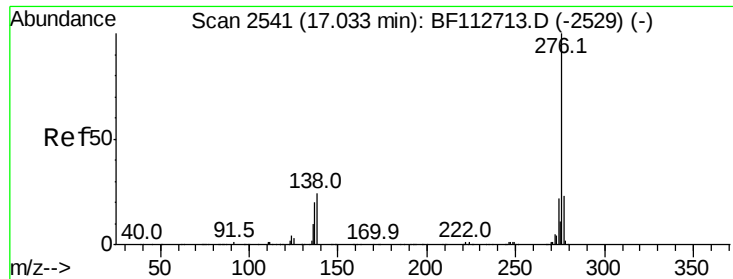


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92
 Benzo(a,h,i)perylene
 Concen: 0.536 ng
 RT: 17.01 min Scan# 2537
 Delta R.T. -0.02 min
 Lab File: BF112721.D
 Acq: 27 Feb 2019 16:10

Instrument :
 BNA_F
 ClientSampleId :
 L-1

Tot Ion	Ratio	Lower	Upper
276	100		
277	21.8	18.6	27.8
138	26.6	19.4	29.0

