

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\
 Data File : BF117524.D
 Acq On : 24 Oct 2019 21:32
 Operator : JU
 Sample : K5499-13 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 707-58-(0-1)

Quant Time: Oct 25 01:07:34 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 18:53:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	50091	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	204353	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	93937	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	134225	20.00	ng	0.00
76) Chrysene-d12	13.90	240	98633	20.00	ng	0.00
87) Perylene-d12	15.33	264	78950	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.36	112	118345	35.15	ng	0.00
7) Phenol-d6	6.39	99	168711	37.31	ng	0.00
23) Nitrobenzene-d5	7.30	82	96511	23.32	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	24770	30.48	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	173116	25.97	ng	0.00
79) Terphenyl-d14	12.83	244	130445	21.57	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.13	88	119	0.084	ng	# 29
6) Aniline	6.51	93	125	0.024	ng	# 1
9) Benzaldehyde	6.51	77	3050	Below Cal		# 81
10) Phenol	6.40	94	814	0.176	ng	# 1
11) bis(2-Chloroethyl)ether	6.51	93	125	0.037	ng	# 1
15) Benzyl Alcohol	6.89	79	1757	0.544	ng	# 50
19) n-Nitroso-di-n-propylamine	7.30	70	11873	4.299	ng	# 76
24) Nitrobenzene	7.30	77	118	0.030	ng	# 41
25) Isophorone	7.30	82	96510	13.478	ng	# 65
31) Naphthalene	8.04	128	139	0.014	ng	# 69
46) 1,1'-Biphenyl	9.19	154	130	0.017	ng	# 43
48) 2-Nitroaniline	9.48	65	128	0.066	ng	# 1
49) Acenaphthylene	9.63	152	889	0.103	ng	# 62
50) Dimethylphthalate	9.49	163	20251	3.024	ng	100
51) 2,6-Dinitrotoluene	9.76	165	12402	8.875	ng	# 22
52) Acenaphthene	9.80	154	876	0.166	ng	# 82
55) Dibenzofuran	9.99	168	415	0.054	ng	# 43
57) 2,4-Dinitrotoluene	9.76	165	12402	6.675	ng	# 12
58) Fluorene	10.32	166	914	0.144	ng	# 94
63) Azobenzene	10.56	77	131	0.019	ng	# 53
66) n-Nitrosodiphenylamine	10.56	169	942	0.192	ng	# 21
67) 4-Bromophenyl-phenylether	10.56	248	1627	1.125	ng	# 1
71) Phenanthrene	11.27	178	19632	2.519	ng	99
72) Anthracene	11.27	178	19632	2.455	ng	99
73) Carbazole	11.50	167	1924	0.263	ng	# 86
74) Di-n-butylphthalate	11.81	149	1370	0.140	ng	# 78
75) Fluoranthene	12.47	202	38357	4.916	ng	98
77) Benzidine	12.83	184	1638	Below Cal		# 78
78) Pyrene	12.70	202	32873	3.880	ng	99
80) Butylbenzylphthalate	13.30	149	391	0.093	ng	# 49
81) Benzo(a)anthracene	13.89	228	16868	2.535	ng	98
82) 3,3'-Dichlorobenzidine	14.01	252	125	0.060	ng	# 25
83) Chrysene	13.92	228	15092	2.315	ng	94
84) Bis(2-ethylhexyl)phthalate	13.86	149	1242	0.210	ng	# 80

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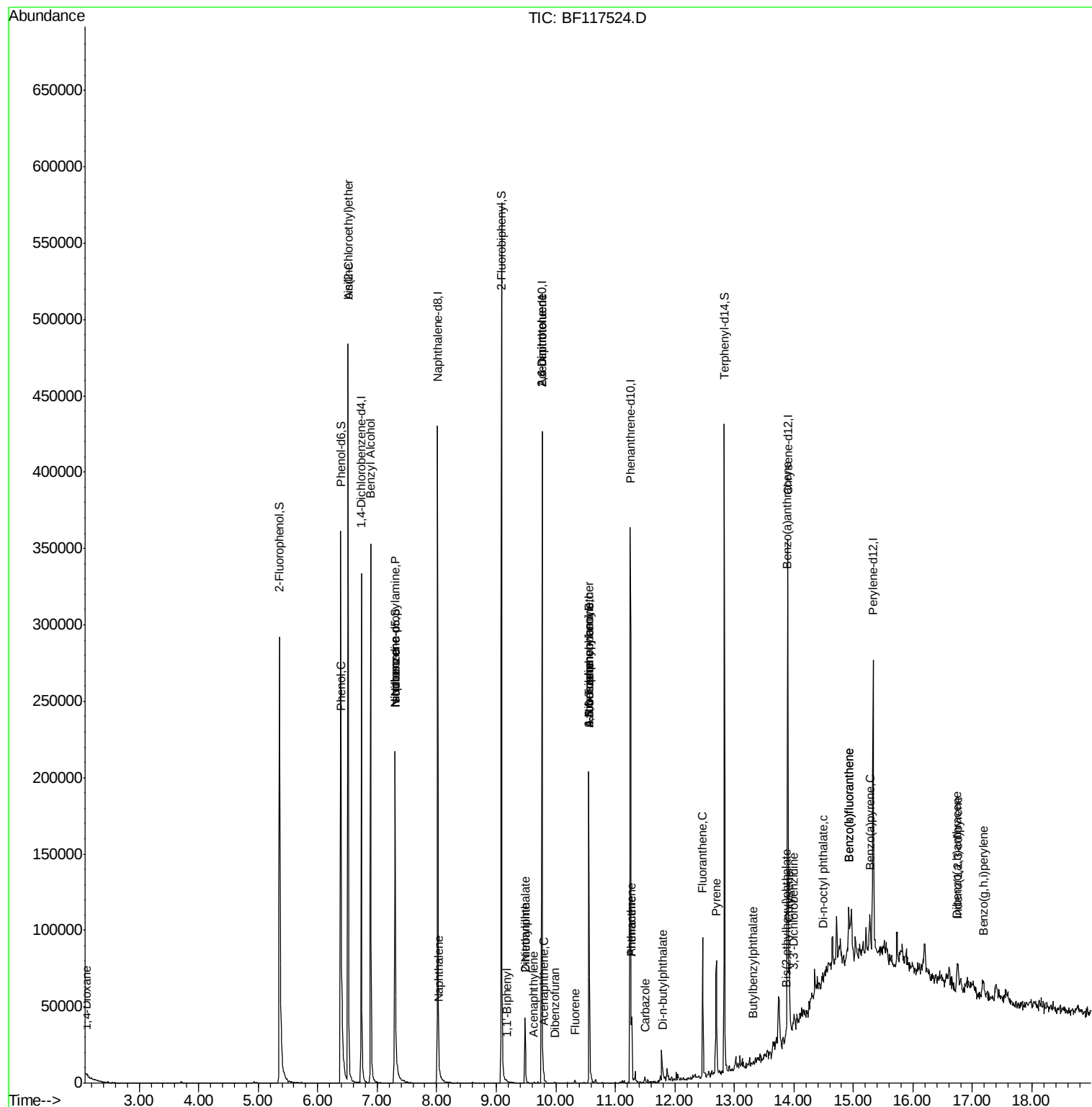
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
85) Di-n-octyl phthalate	14.48	149	353	0.039	nq	# 1
86) Indeno(1,2,3-cd)pyrene	16.76	276	5891	1.210	nq	# 87
88) Benzo(b)fluoranthene	14.92	252	22148	4.751	nq	# 89
89) Benzo(k)fluoranthene	14.92	252	22148	4.635	nq	# 88
90) Benzo(a)pyrene	15.27	252	10845	2.559	nq	# 86
91) Dibenzo(a,h)anthracene	16.74	278	1803	0.492	nq	# 40
92) Benzo(a,h,i)perylene	17.19	276	5491	1.583	nq	# 74

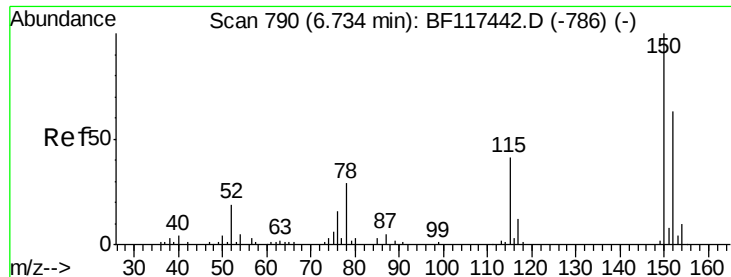
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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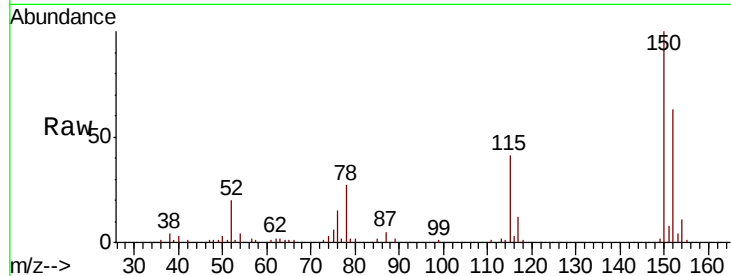


#1

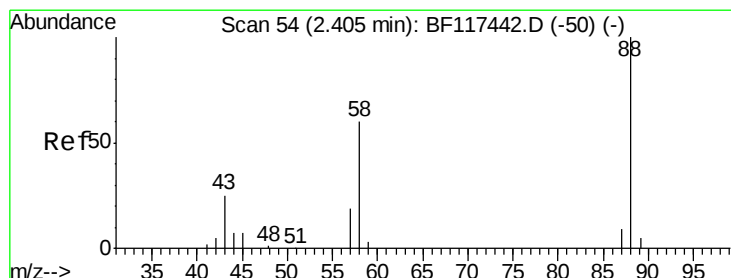
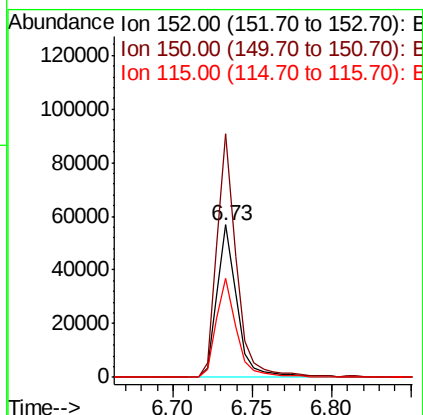
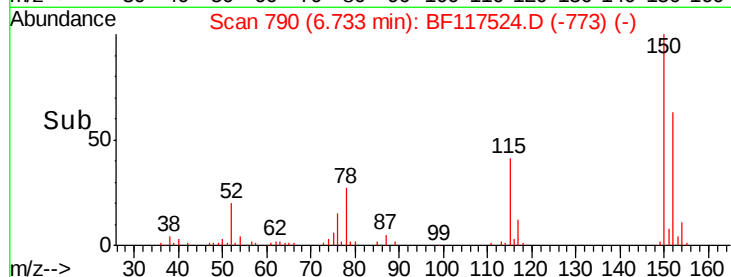
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.00 min
Lab File: BF117524.D
Acq: 24 Oct 2019 21:32

Instrument :
BNA_F
ClientSampleId :
707-58-(0-1)

Tot Ion:152 Resp: 50091
Ion Ratio Lower Upper
152 100
150 159.5 126.8 190.2
115 64.8 51.6 77.4



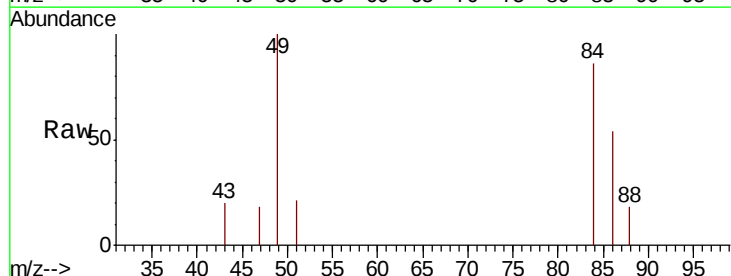
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



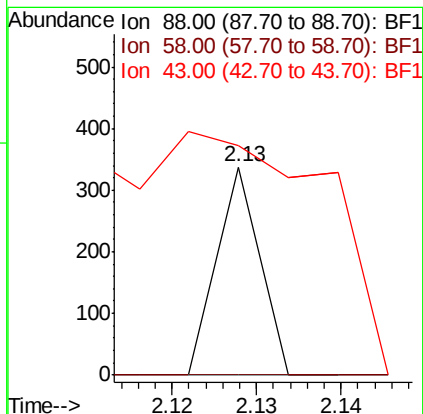
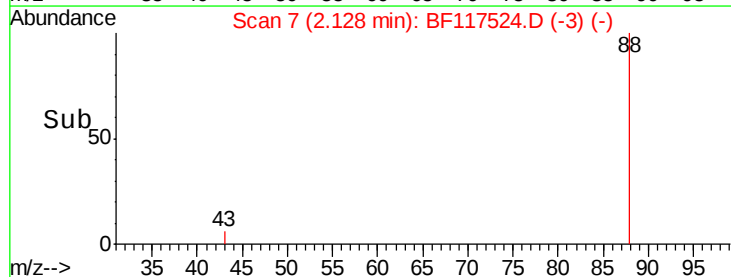
#2

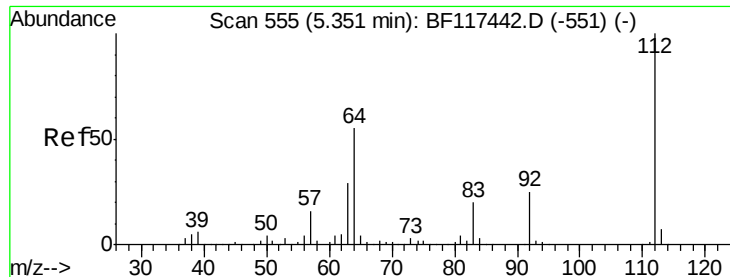
1,4-Dioxane
Concen: 0.084 ng
RT: 2.13 min Scan# 7
Delta R.T. -0.28 min
Lab File: BF117524.D
Acq: 24 Oct 2019 21:32

Tgt Ion: 88 Resp: 119
Ion Ratio Lower Upper
88 100
58 0.0 48.8 73.2#
43 0.0 18.5 27.7#



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





#5

2-Fluorophenol

Concen: 35.148 ng

RT: 5.36 min Scan# 556

Delta R.T. 0.01 min

Lab File: BF117524.D

Acq: 24 Oct 2019 21:32

Instrument :

BNA_F

ClientSampleId :

707-58-(0-1)

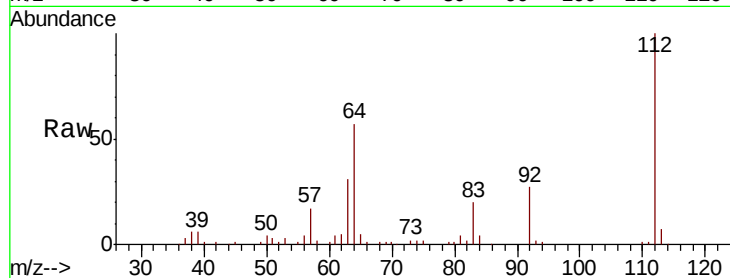
Tot Ion:112 Resp: 118345

Ion Ratio Lower Upper

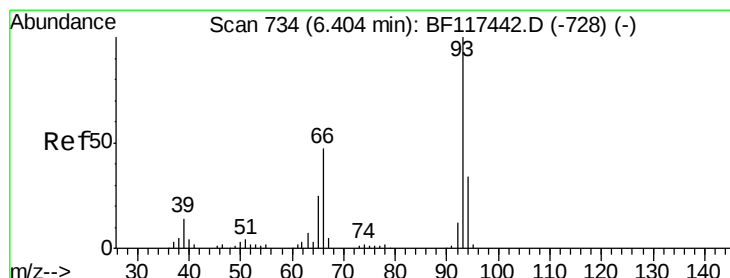
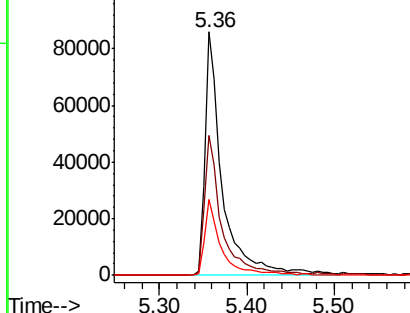
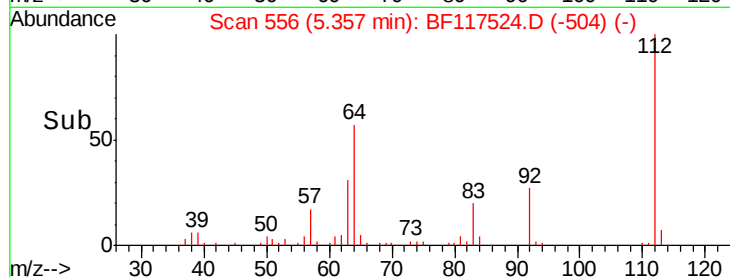
112 100

64 57.4 44.1 66.1

63 31.1 23.4 35.2



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



#6

Aniline

Concen: 0.024 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.11 min

Lab File: BF117524.D

Acq: 24 Oct 2019 21:32

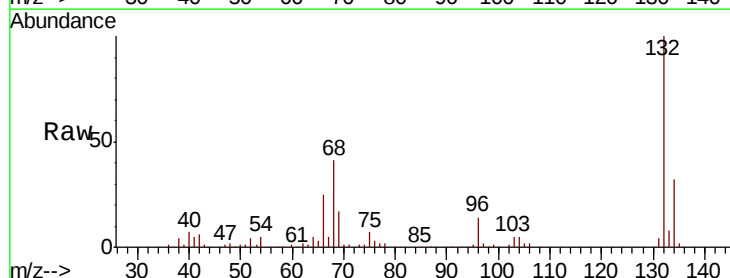
Tgt Ion: 93 Resp: 125

Ion Ratio Lower Upper

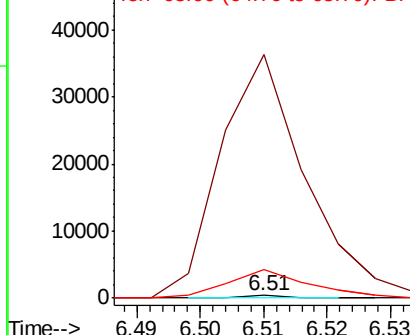
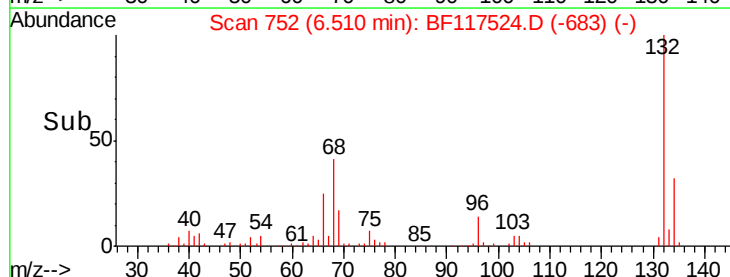
93 100

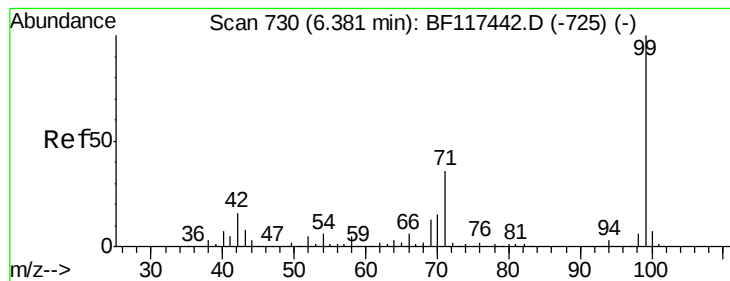
66 10224.2 38.7 58.1#

65 1184.8 20.1 30.1#



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





#7

Phenol-d6

Concen: 37.307 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF117524.D

Acq: 24 Oct 2019 21:32

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707-58-(0-1)

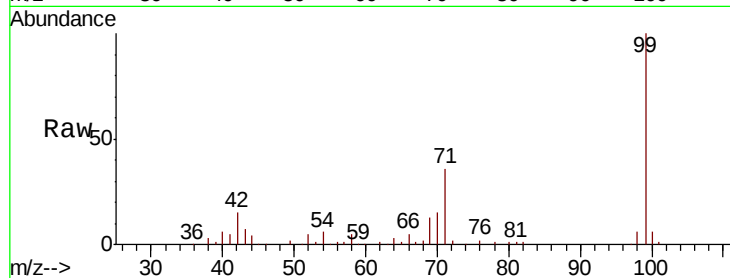
Tot Ion: 99 Resp: 168711

Ion Ratio Lower Upper

99 100

42 14.6 12.8 19.2

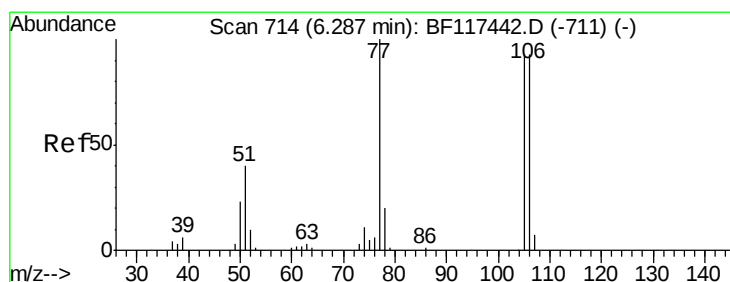
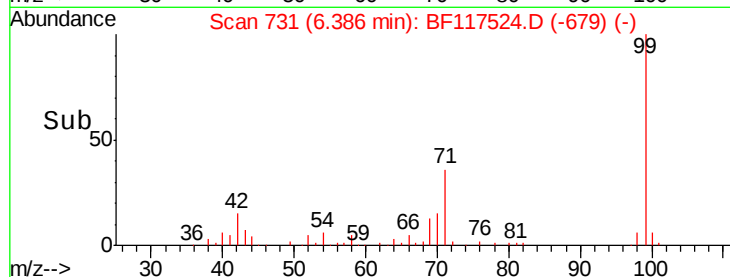
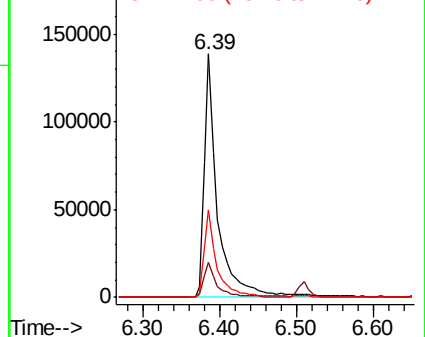
71 35.9 28.6 43.0



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



#9

Benzaldehyde

Concen: Below Cal

RT: 6.51 min Scan# 752

Delta R.T. 0.22 min

Lab File: BF117524.D

Acq: 24 Oct 2019 21:32

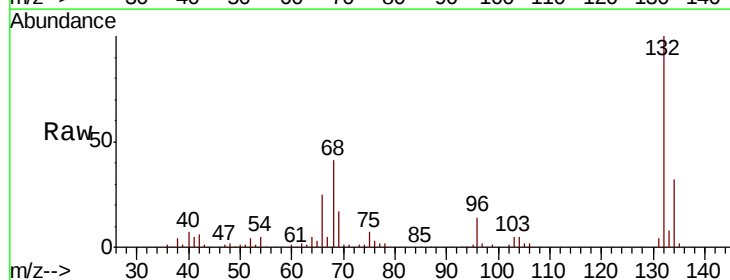
Tgt Ion: 77 Resp: 3050

Ion Ratio Lower Upper

77 100

105 84.8 73.4 113.4

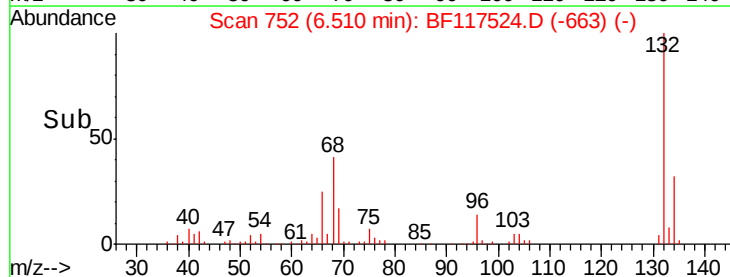
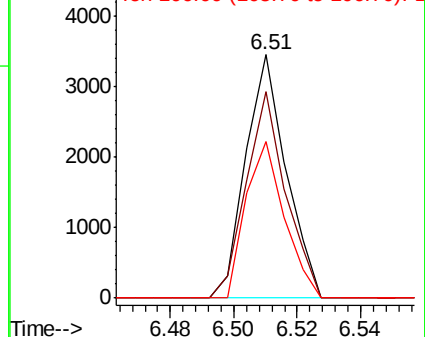
106 64.4 73.0 113.0#

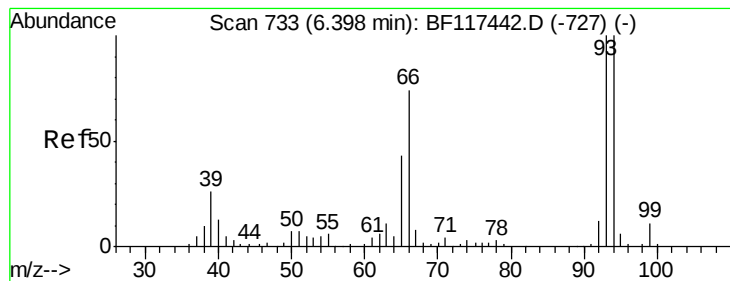


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 0.176 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.00 min

Lab File: BF117524.D

Acq: 24 Oct 2019 21:32

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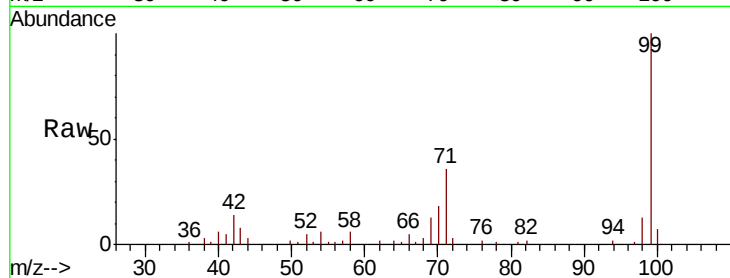
Tot Ion: 94 Resp: 814

Ion Ratio Lower Upper

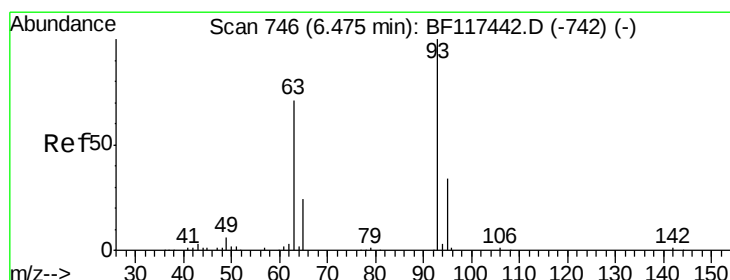
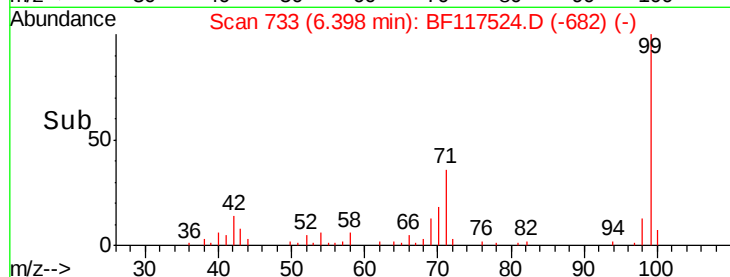
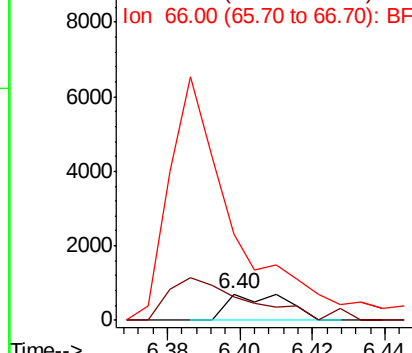
94 100

65 89.3 23.4 63.4#

66 323.1 54.7 94.7#



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: 0.037 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.04 min

Lab File: BF117524.D

Acq: 24 Oct 2019 21:32

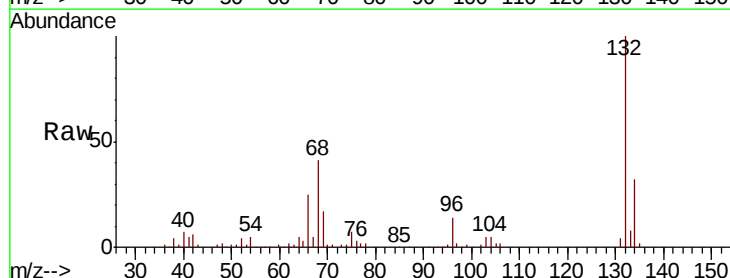
Tgt Ion: 93 Resp: 125

Ion Ratio Lower Upper

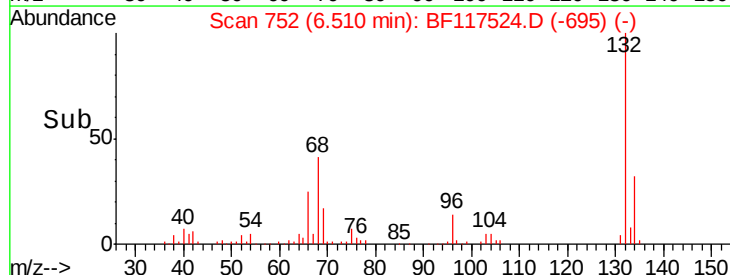
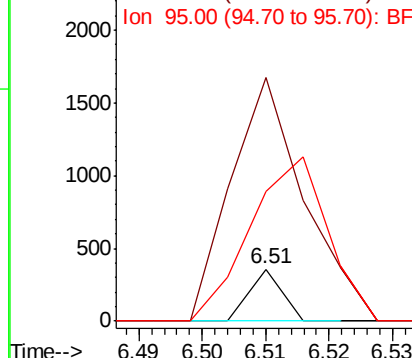
93 100

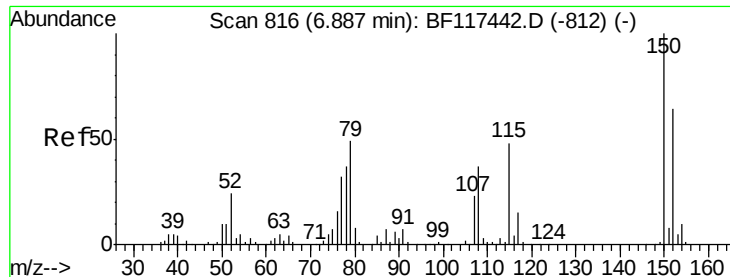
63 471.5 50.2 90.2#

95 251.5 13.9 53.9#



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: 0.544 ng

RT: 6.89 min Scan# 816

Delta R.T. -0.00 min

Lab File: BF117524.D

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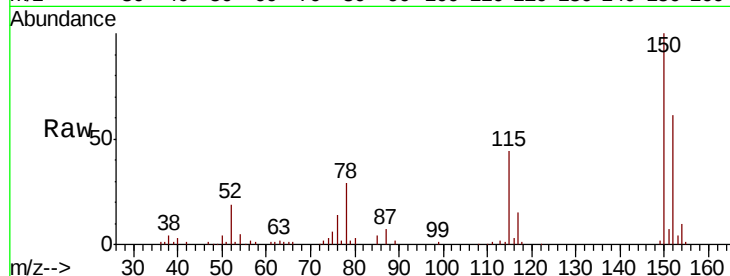
Tot Ion: 79 Resp: 1757

Ion Ratio Lower Upper

79 100

108 21.1 59.8 89.8#

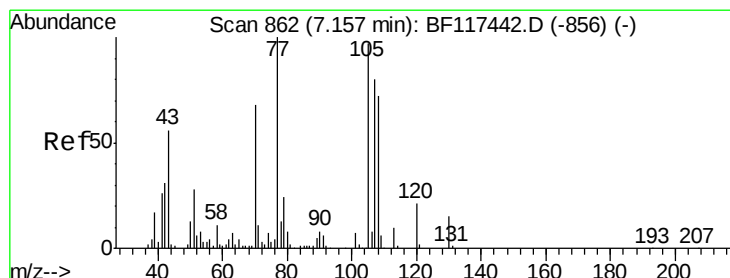
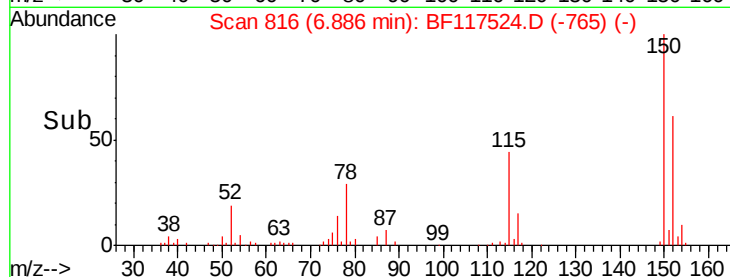
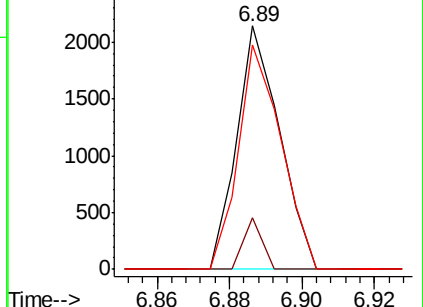
77 92.0 51.4 77.0#



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



#19

n-Nitroso-di-n-propylamine

Concen: 4.299 ng

RT: 7.30 min Scan# 886

Delta R.T. 0.14 min

Lab File: BF117524.D

Acq: 24 Oct 2019 21:32

Tgt Ion: 70 Resp: 11873

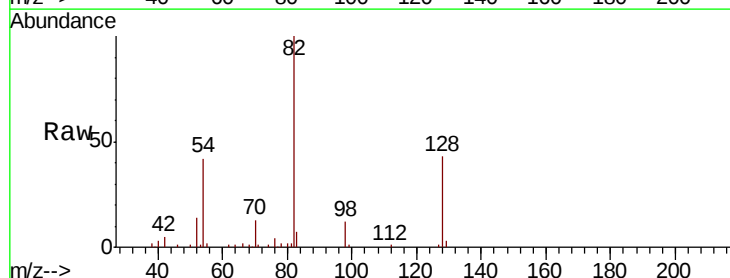
Ion Ratio Lower Upper

70 100

42 38.5 36.7 55.1

101 0.0 8.3 12.5#

130 0.0 18.1 27.1#

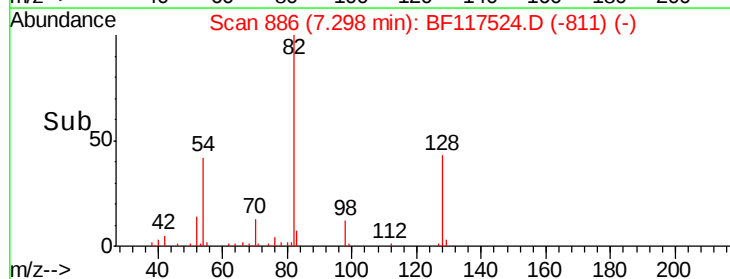
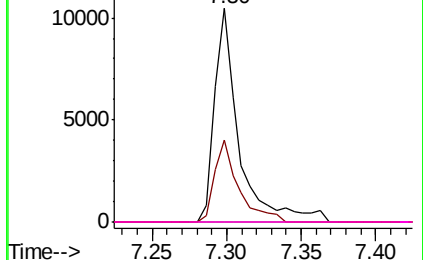


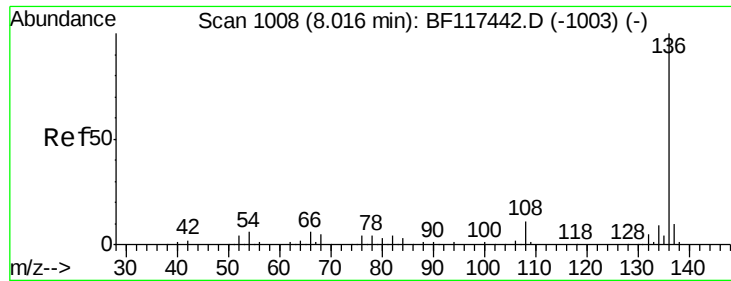
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

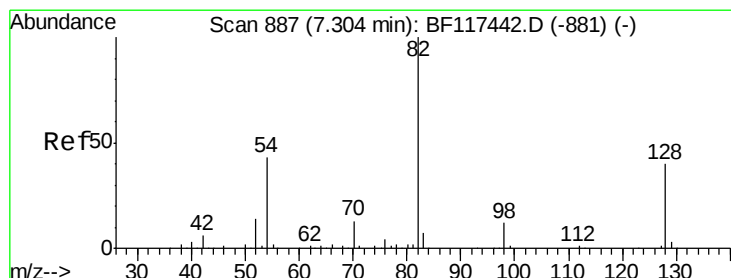
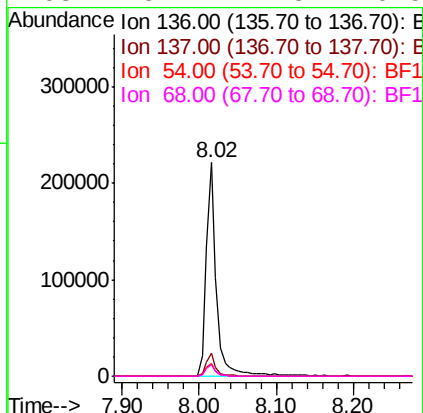
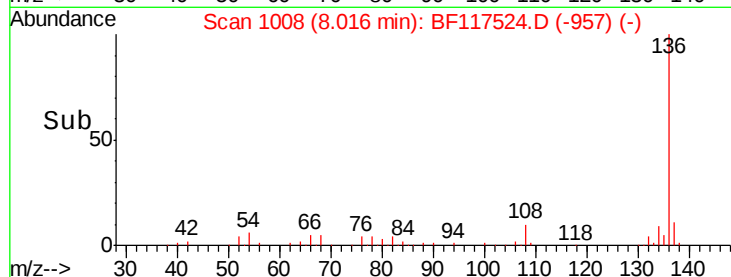
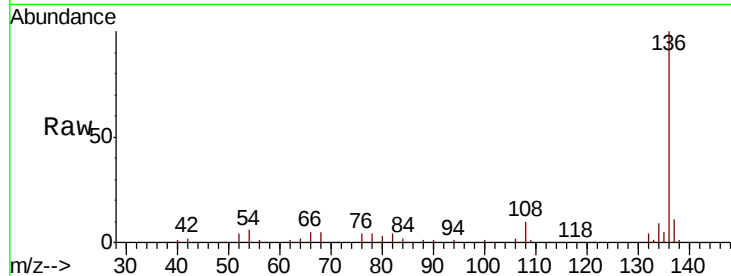




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1008
Delta R.T. -0.00 min
Lab File: BF117524.D
Acq: 24 Oct 2019 21:32

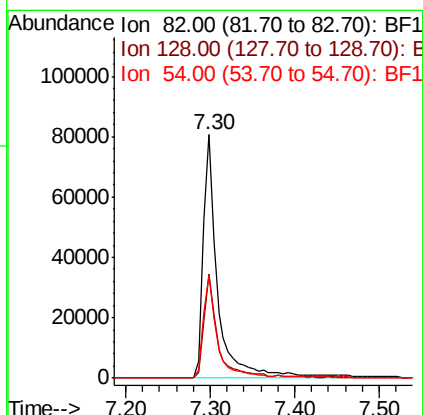
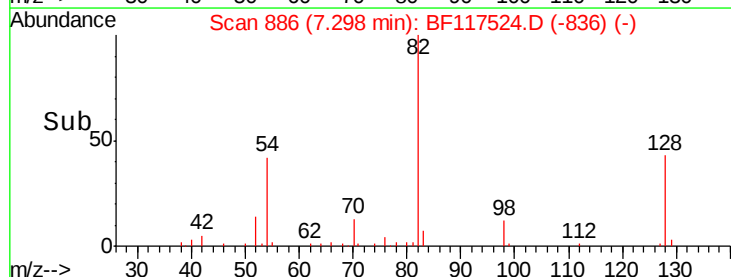
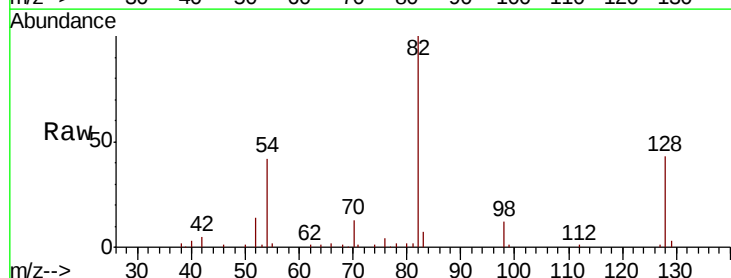
Instrument :
BNA_F
ClientSampleId :
707-58-(0-1)

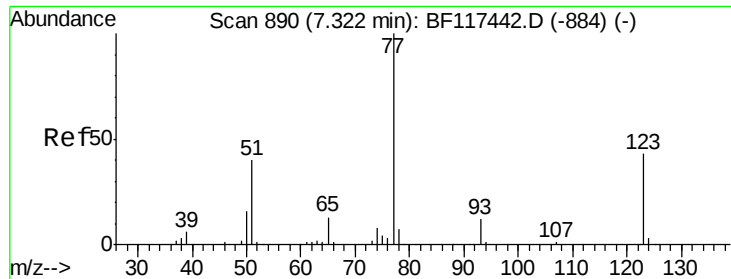
Tot Ion:136	Resp:	204353
Ion	Ratio	Lower Upper
136	100	
137	10.8	8.2 12.4
54	6.0	4.5 6.7
68	5.2	4.3 6.5



#23
Nitrobenzene-d5
Concen: 23.315 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF117524.D
Acq: 24 Oct 2019 21:32

Tgt Ion: 82	Resp:	96511
Ion	Ratio	Lower Upper
82	100	
128	42.6	32.2 48.2
54	42.2	34.2 51.2





#24

Nitrobenzene

Concen: 0.030 ng

RT: 7.30 min Scan# 886

Delta R.T. -0.02 min

Lab File: BF117524.D

Acq: 24 Oct 2019 21:32

Instrument :

BNA_F

ClientSampleId :

707-58-(0-1)

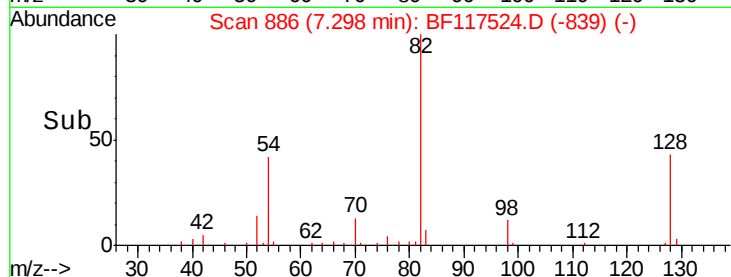
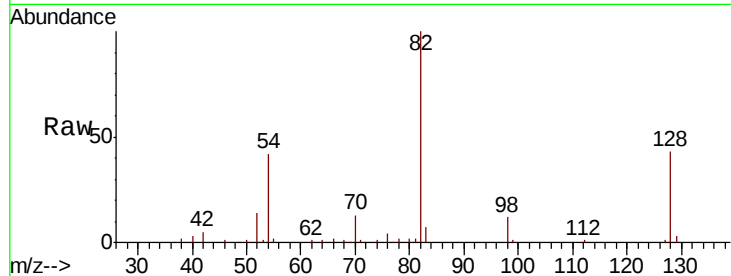
Tot Ion: 77 Resp: 118

Ion Ratio Lower Upper

77 100

123 0.0 34.2 51.2#

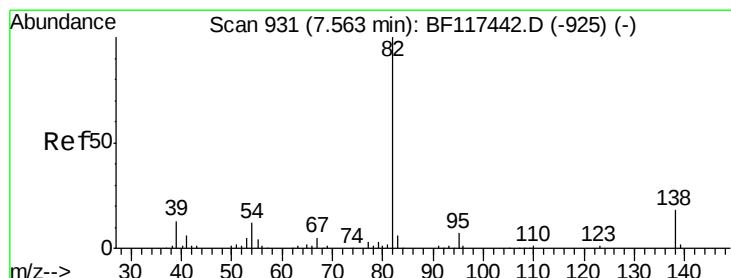
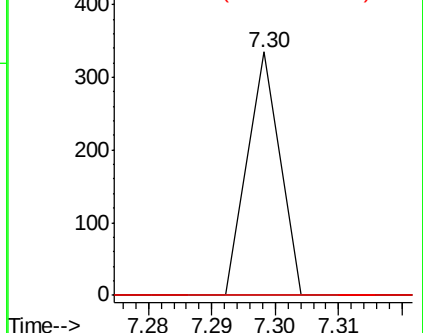
65 0.0 10.3 15.5#



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: 13.478 ng

RT: 7.30 min Scan# 886

Delta R.T. -0.26 min

Lab File: BF117524.D

Acq: 24 Oct 2019 21:32

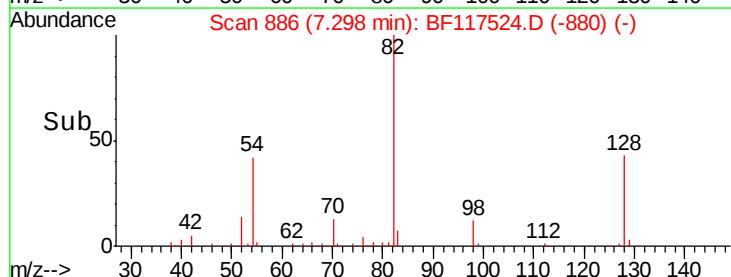
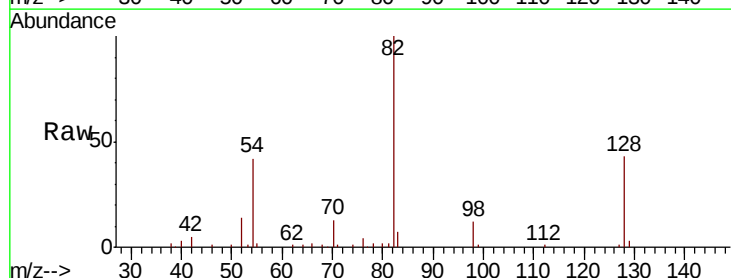
Tgt Ion: 82 Resp: 96510

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

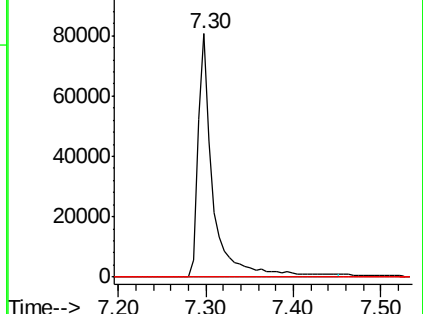
138 0.0 14.2 21.2#

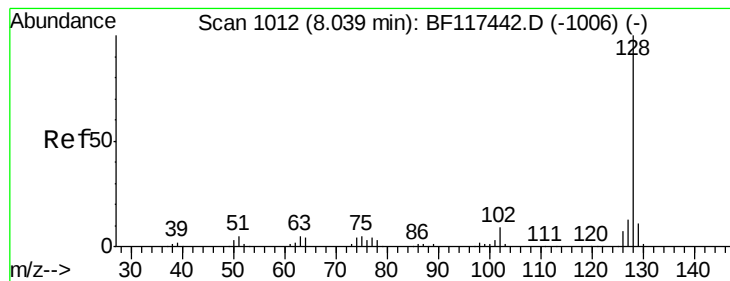


Abundance Ion 82.00 (81.70 to 82.70): BF1

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. -0.00 min

Lab File: BF117524.D

Acq: 24 Oct 2019 21:32

Instrument :

BNA_F

ClientSampleId :

707-58-(0-1)

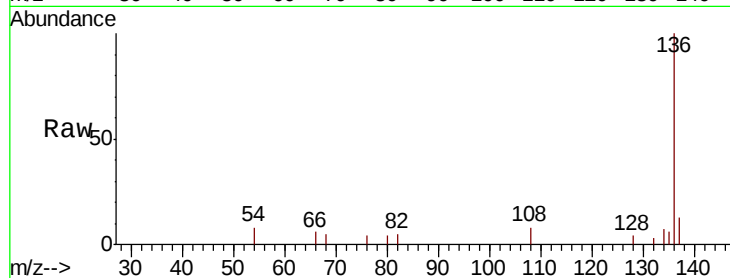
Tot Ion:128 Resp: 139

Ion Ratio Lower Upper

128 100

129 0.0 9.0 13.4#

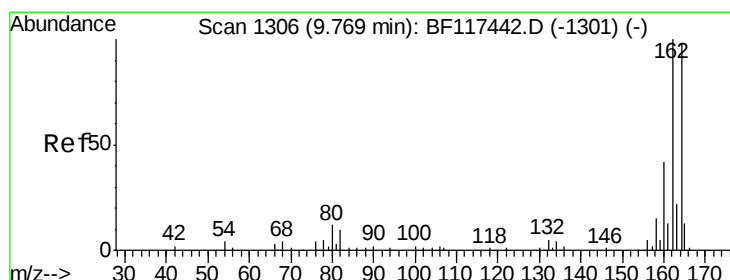
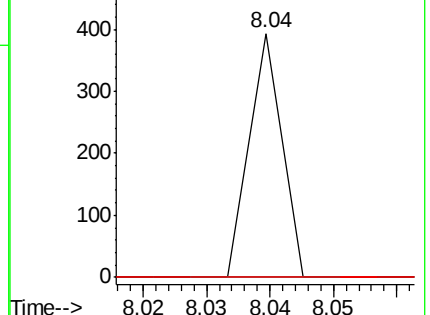
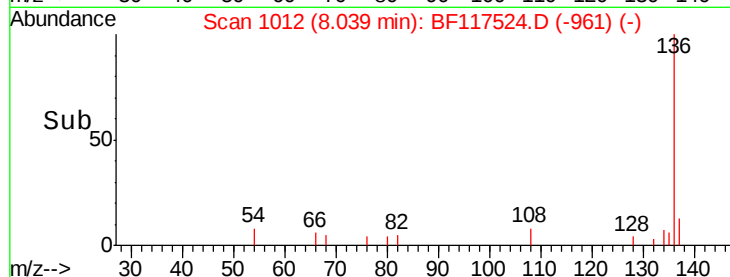
127 0.0 10.2 15.2#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.77 min Scan# 1306

Delta R.T. -0.00 min

Lab File: BF117524.D

Acq: 24 Oct 2019 21:32

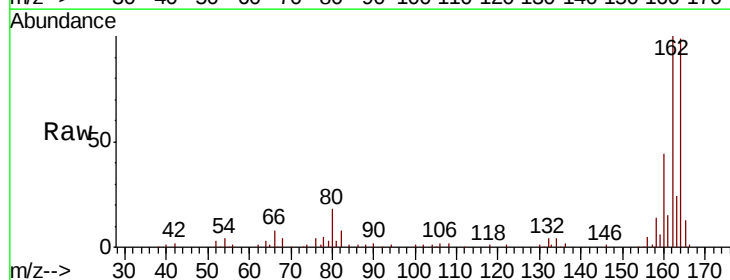
Tgt Ion:164 Resp: 93937

Ion Ratio Lower Upper

164 100

162 100.7 81.8 122.6

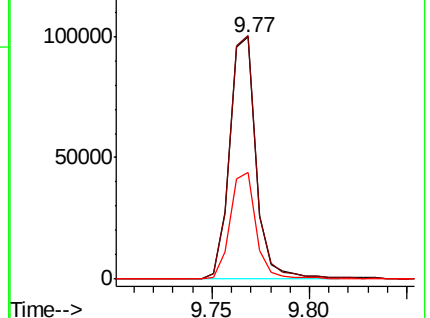
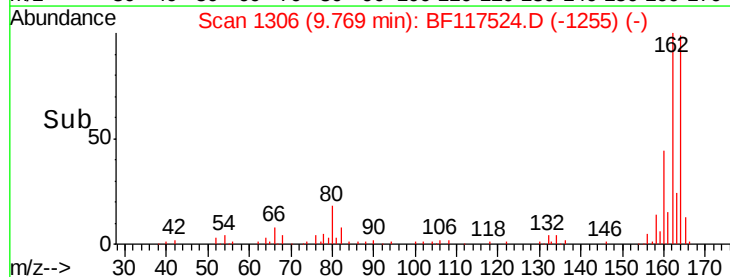
160 43.9 34.4 51.6

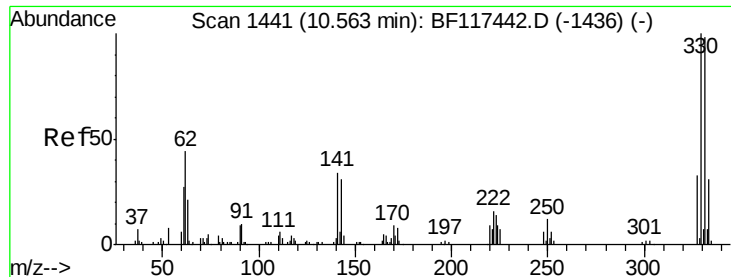


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

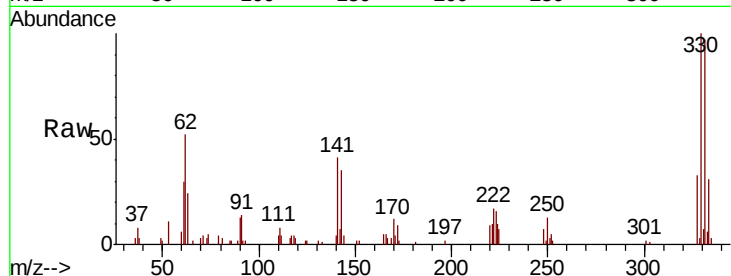




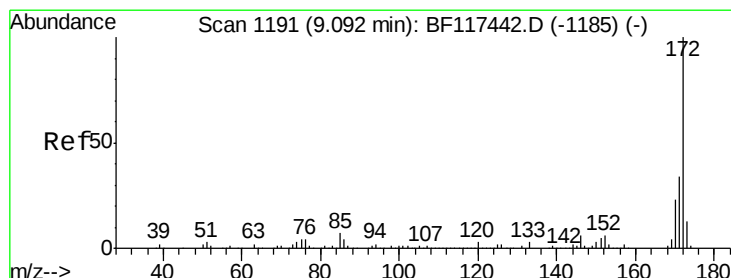
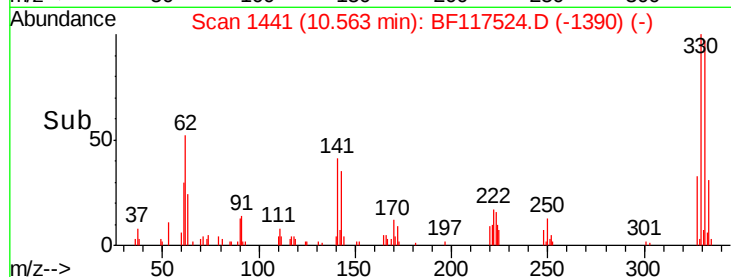
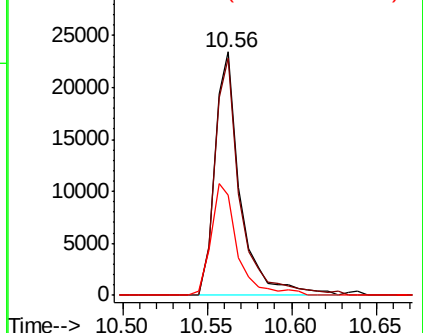
#42
 2,4,6-Tribromophenol
 Concen: 30.475 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: BF117524.D
 Acq: 24 Oct 2019 21:32

Instrument :
 BNA_F
 ClientSampleId :
 707-58-(0-1)

Tot Ion:330 Resp: 24770
 Ion Ratio Lower Upper
 330 100
 332 97.9 78.5 117.7
 141 47.4 37.0 55.6

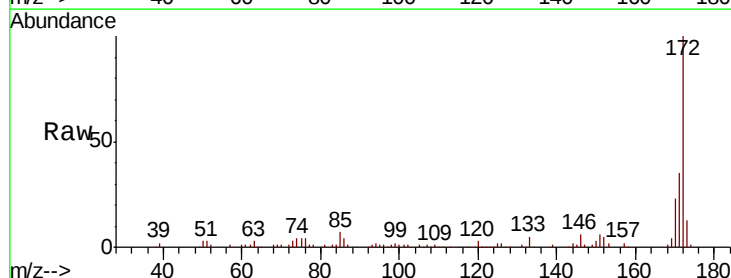


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

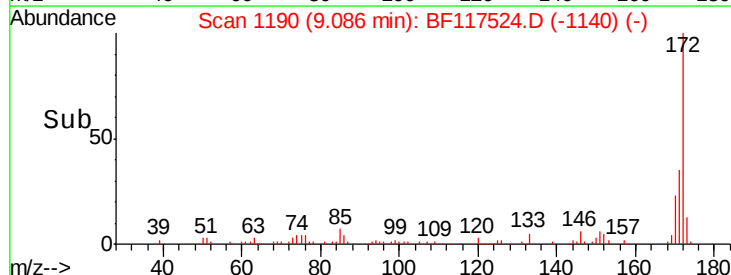
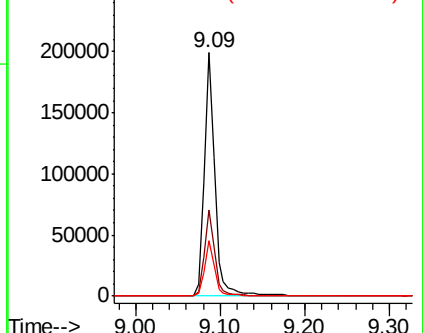


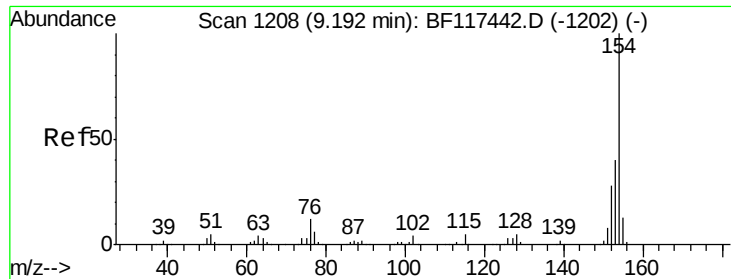
#45
 2-Fluorobiphenyl
 Concen: 25.966 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF117524.D
 Acq: 24 Oct 2019 21:32

Tgt Ion:172 Resp: 173116
 Ion Ratio Lower Upper
 172 100
 171 35.3 27.5 41.3
 170 22.9 18.6 27.8



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

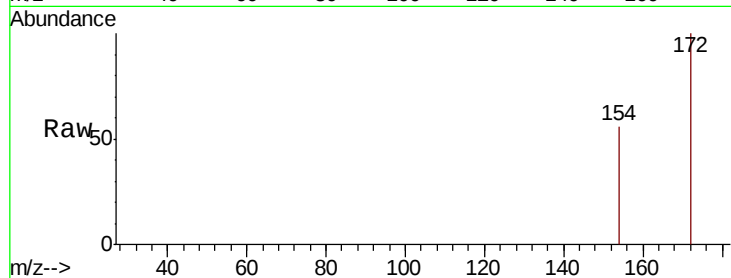




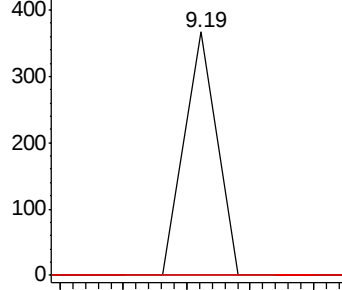
#46
 1,1'-Biphenyl
 Concen: 0.017 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. -0.00 min
 Lab File: BF117524.D
 Acq: 24 Oct 2019 21:32

Instrument :
 BNA_F
 ClientSampleId :
 707-58-(0-1)

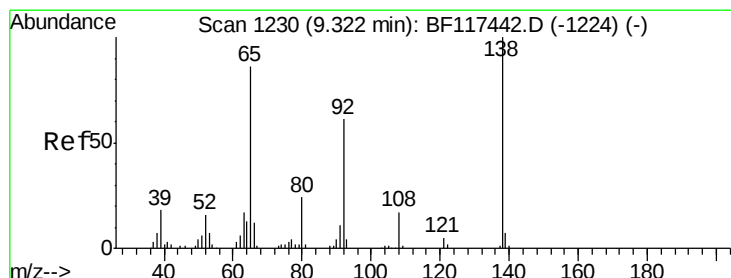
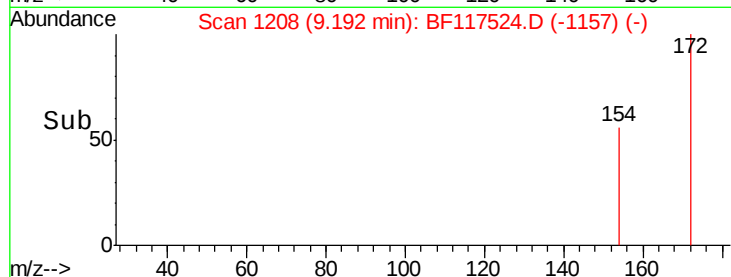
Tot Ion	Ratio	Lower	Upper
154	100		
153	0.0	20.2	60.2#
76	0.0	0.0	32.1



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

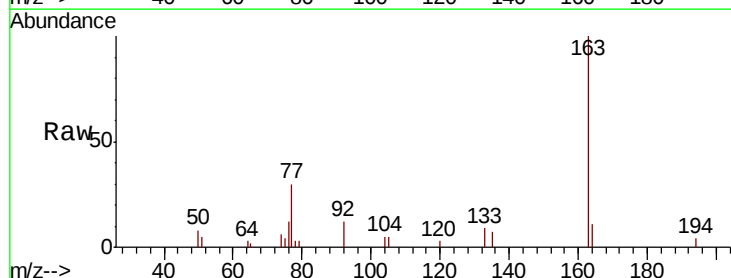


Time--> 9.17 9.18 9.19 9.20 9.21

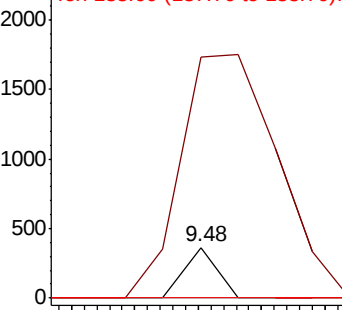


#48
 2-Nitroaniline
 Concen: 0.066 ng
 RT: 9.48 min Scan# 1257
 Delta R.T. 0.16 min
 Lab File: BF117524.D
 Acq: 24 Oct 2019 21:32

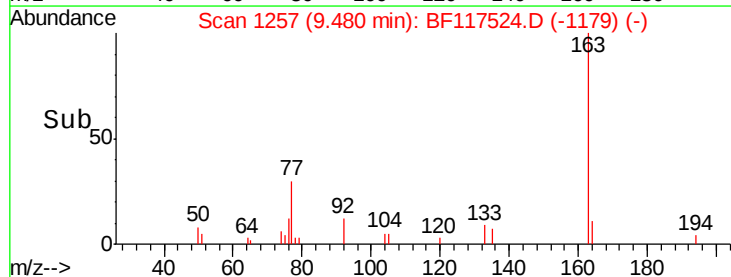
Tgt Ion	Ratio	Lower	Upper
65	100		
92	476.9	57.3	85.9#
138	0.0	93.3	139.9#

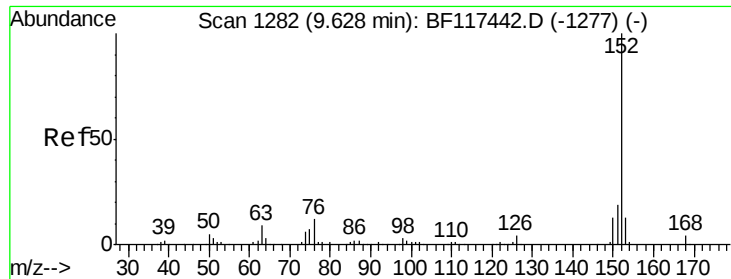


Abundance Ion 65.00 (64.70 to 65.70): BF1
 Ion 92.00 (91.70 to 92.70): BF1
 Ion 138.00 (137.70 to 138.70): E



Time--> 9.46 9.47 9.48 9.49 9.50





#49

Acenaphthylene

Concen: 0.103 ng

RT: 9.63 min Scan# 1283

Delta R.T. 0.01 min

Lab File: BF117524.D

Acq: 24 Oct 2019 21:32

Instrument :

BNA_F

ClientSampleId :

707-58-(0-1)

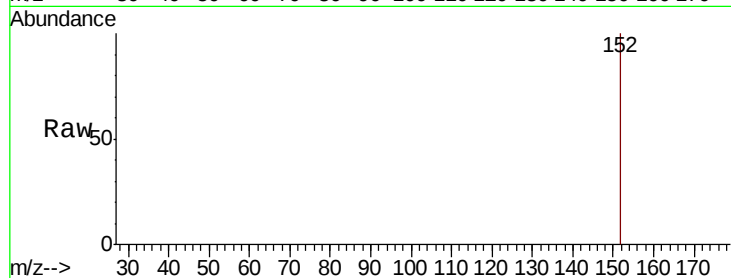
Tot Ion:152 Resp: 889

Ion Ratio Lower Upper

152 100

151 0.0 15.4 23.0#

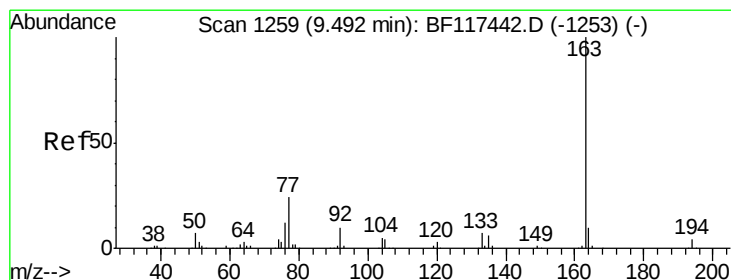
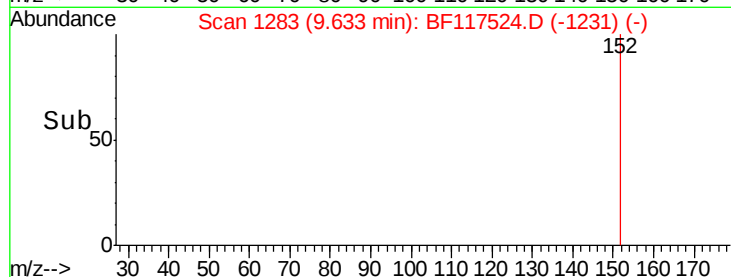
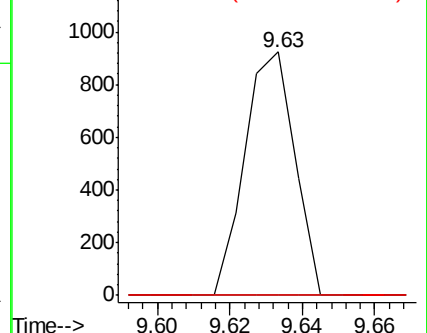
153 0.0 10.3 15.5#



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: 3.024 ng

RT: 9.49 min Scan# 1258

Delta R.T. -0.01 min

Lab File: BF117524.D

Acq: 24 Oct 2019 21:32

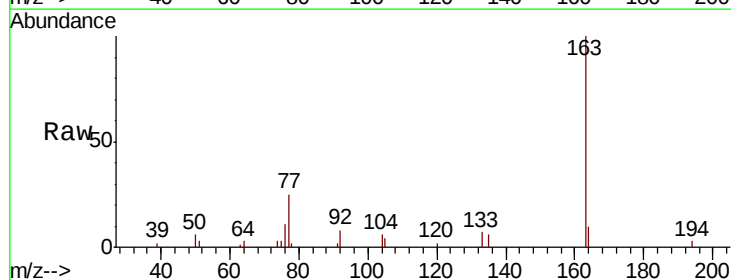
Tgt Ion:163 Resp: 20251

Ion Ratio Lower Upper

163 100

194 3.4 2.9 4.3

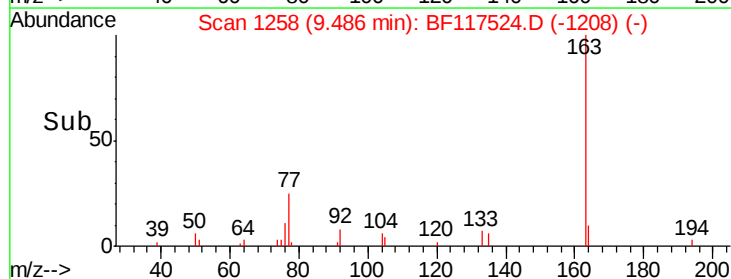
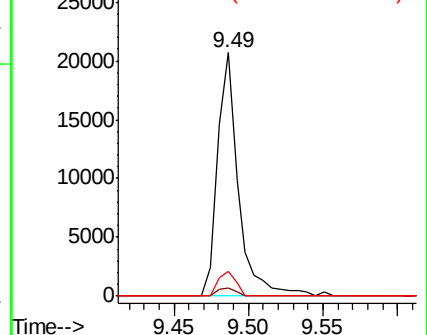
164 10.3 8.2 12.2

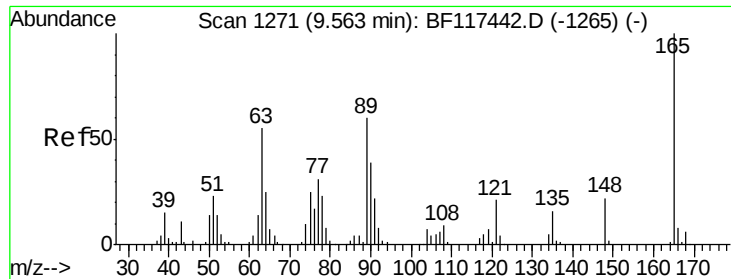


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

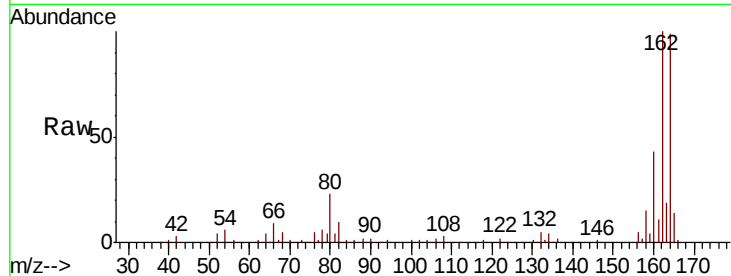




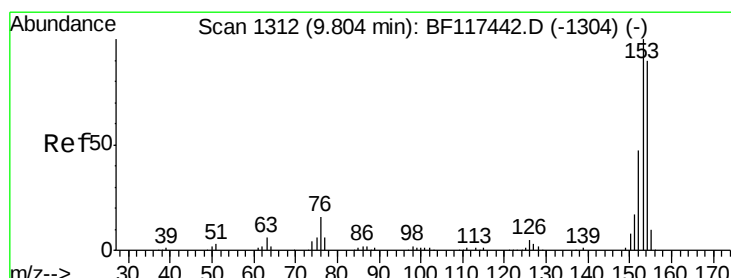
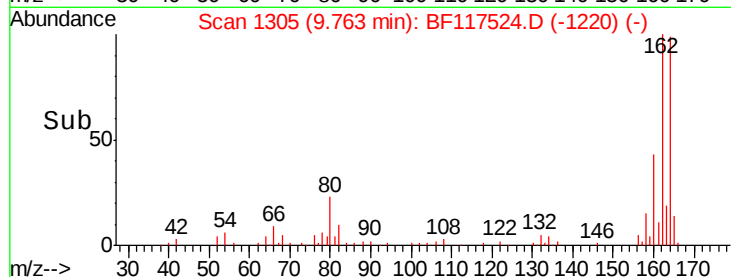
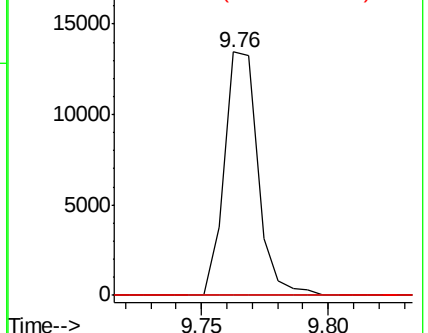
#51
 2,6-Dinitrotoluene
 Concen: 8.875 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. 0.20 min
 Lab File: BF117524.D
 Acq: 24 Oct 2019 21:32

Instrument :
 BNA_F
 ClientSampleId :
 707-58-(0-1)

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	43.8	65.8#
89	0.0	47.6	71.4#

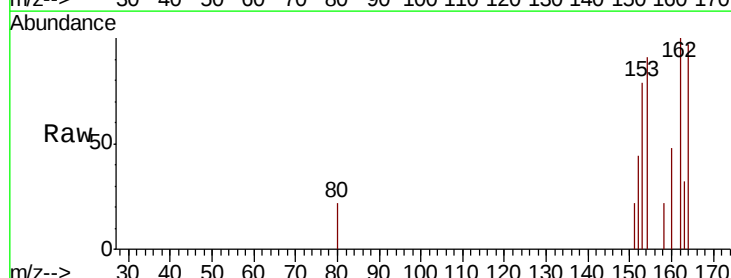


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

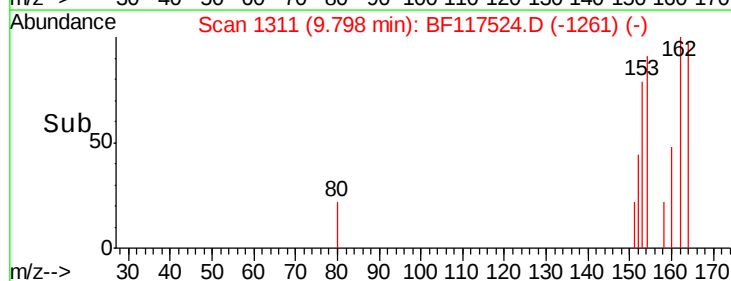
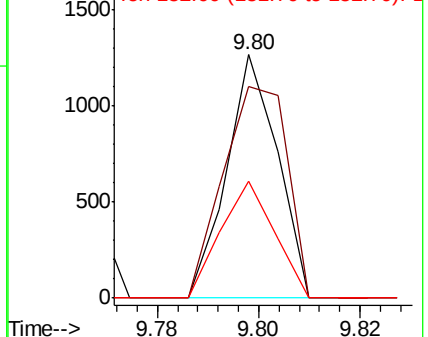


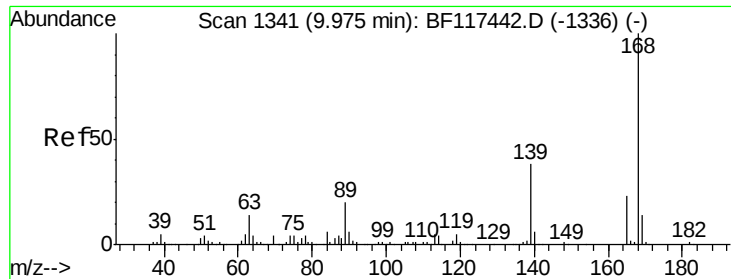
#52
 Acenaphthene
 Concen: 0.166 ng
 RT: 9.80 min Scan# 1311
 Delta R.T. -0.01 min
 Lab File: BF117524.D
 Acq: 24 Oct 2019 21:32

Tgt Ion	Ratio	Lower	Upper
154	100		
153	87.0	89.2	133.8#
152	48.1	41.8	62.6



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

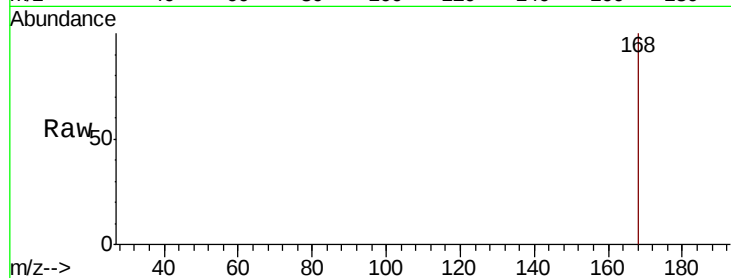




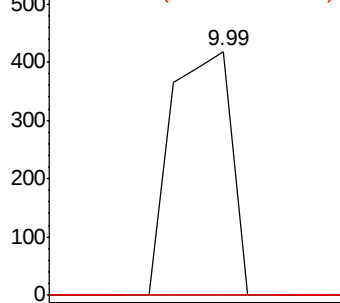
#55
Dibenzofuran
Concen: 0.054 ng
RT: 9.99 min Scan# 1343
Delta R.T. 0.01 min
Lab File: BF117524.D
Acq: 24 Oct 2019 21:32

Instrument :
BNA_F
ClientSampled :
707-58-(0-1)

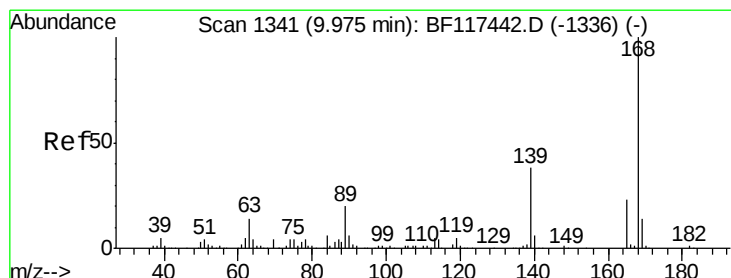
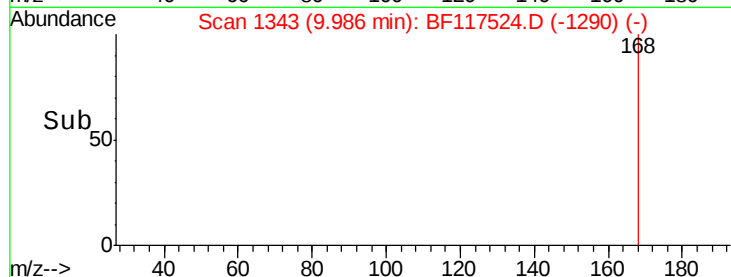
Tot Ion:168 Resp: 415
Ion Ratio Lower Upper
168 100
139 0.0 31.8 47.6#
169 0.0 11.2 16.8#



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

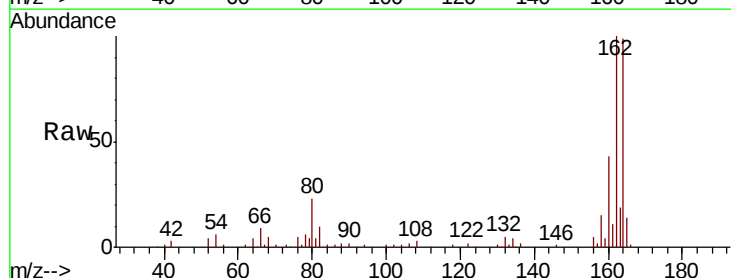


Time-->

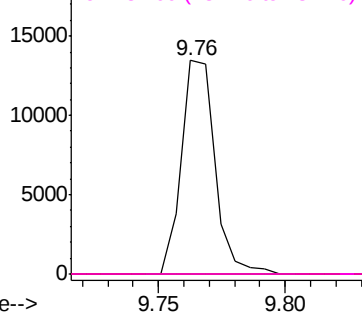


#57
2,4-Dinitrotoluene
Concen: 6.675 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.21 min
Lab File: BF117524.D
Acq: 24 Oct 2019 21:32

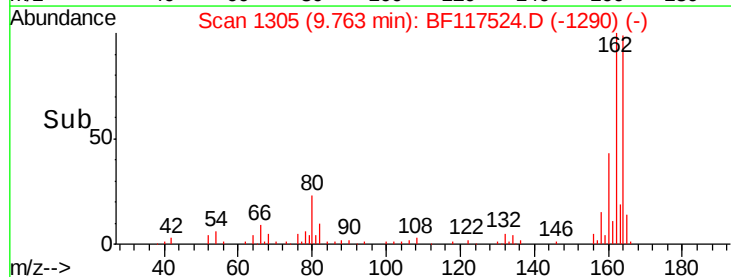
Tgt Ion:165 Resp: 12402
Ion Ratio Lower Upper
165 100
63 0.0 51.4 77.0#
89 0.0 69.9 104.9#
182 0.0 1.9 2.9#

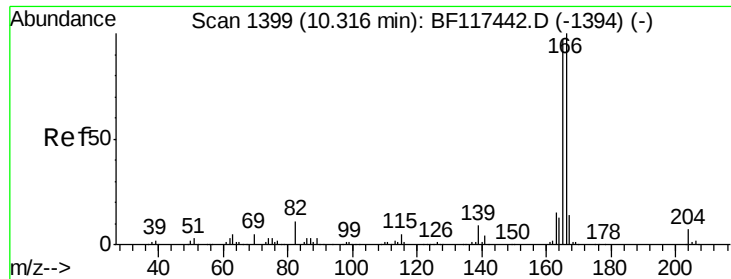


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E



Time-->





#58

Fluorene

Concen: 0.144 ng

RT: 10.32 min Scan# 1400

Delta R.T. 0.01 min

Lab File: BF117524.D

Acq: 24 Oct 2019 21:32

Instrument :

BNA_F

ClientSampleId :

707-58-(0-1)

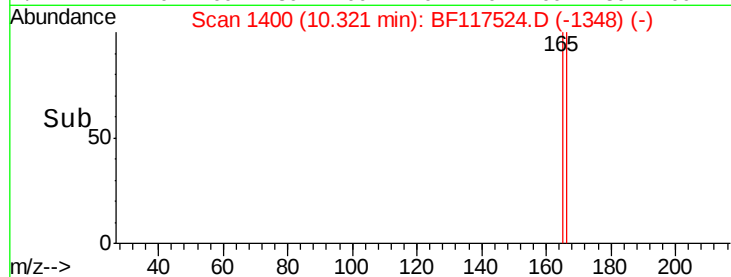
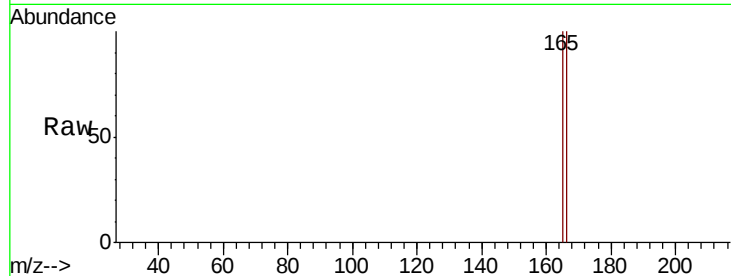
Tot Ion:166 Resp: 914

Ion Ratio Lower Upper

166 100

165 99.5 77.6 116.4

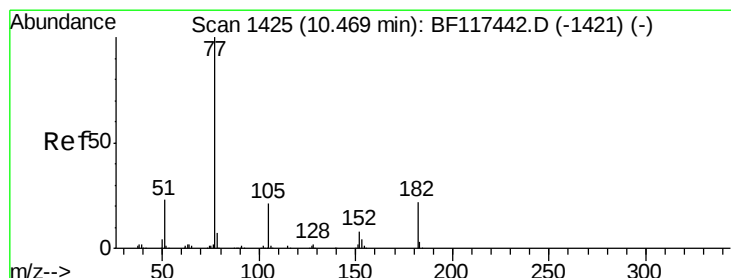
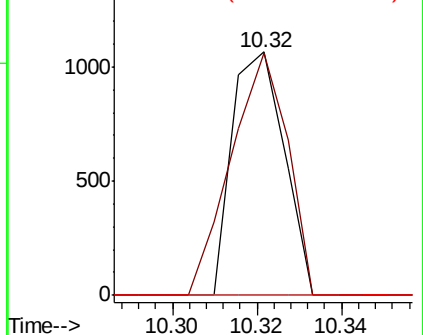
167 0.0 11.0 16.4#



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: 0.019 ng

RT: 10.56 min Scan# 1440

Delta R.T. 0.09 min

Lab File: BF117524.D

Acq: 24 Oct 2019 21:32

Tgt Ion: 77 Resp: 131

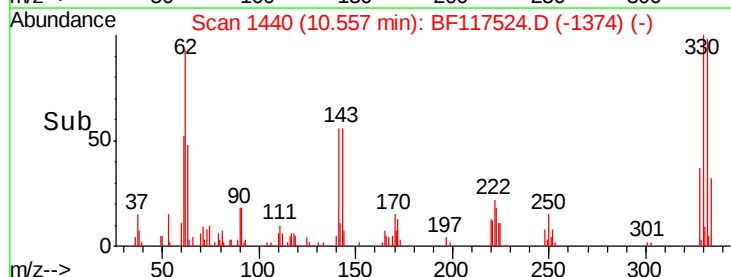
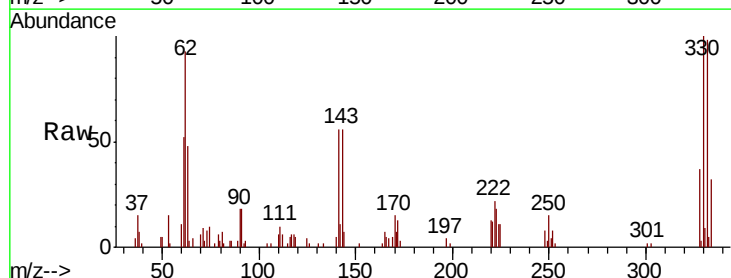
Ion Ratio Lower Upper

77 100

182 0.0 2.3 42.3#

105 0.0 1.3 41.3#

51 0.0 3.5 43.5#

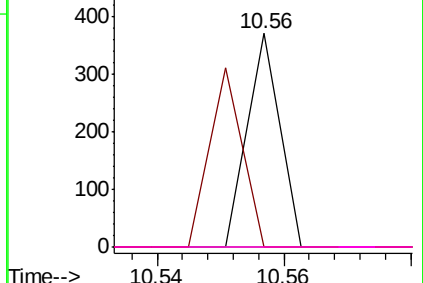


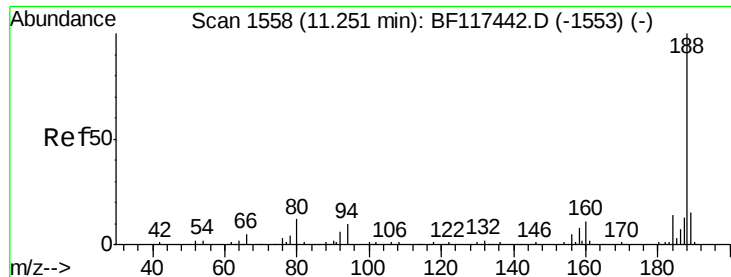
Abundance Ion 77.00 (76.70 to 77.70): BF1

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

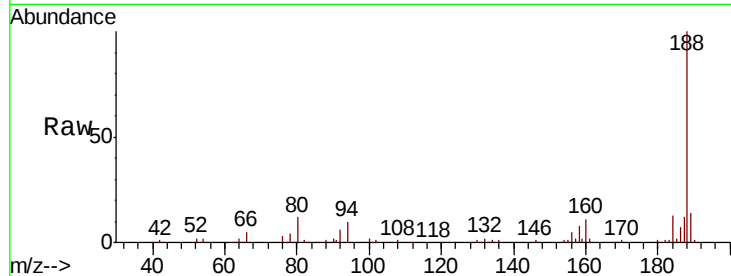




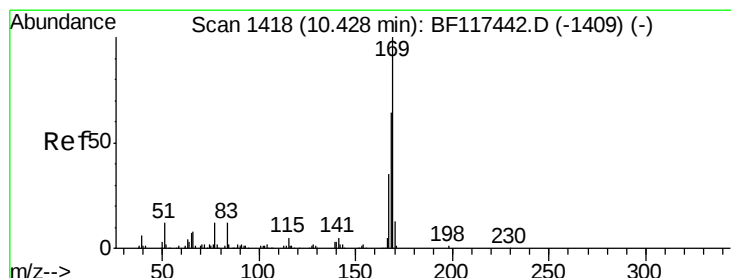
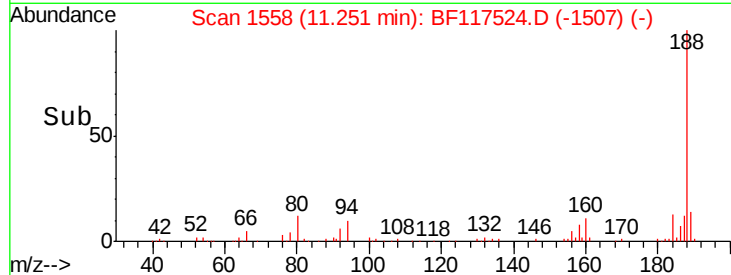
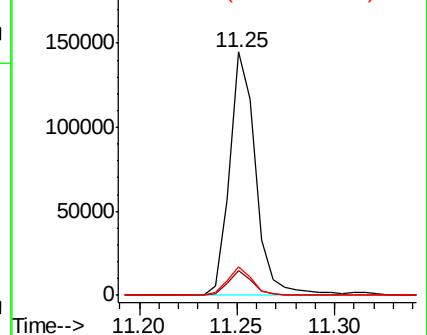
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1558
Delta R.T. -0.00 min
Lab File: BF117524.D
Acq: 24 Oct 2019 21:32

Instrument :
BNA_F
ClientSampleId :
707-58-(0-1)

Tot Ion:188 Resp: 134225
Ion Ratio Lower Upper
188 100
94 10.2 8.0 12.0
80 11.7 9.5 14.3

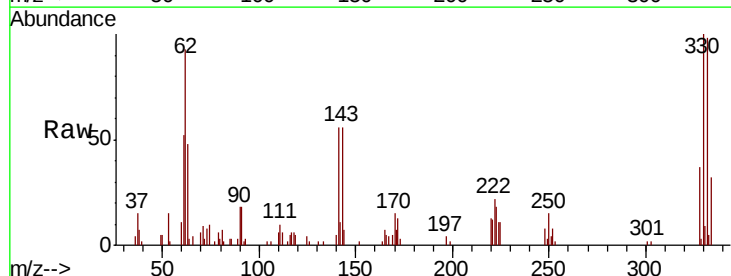


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

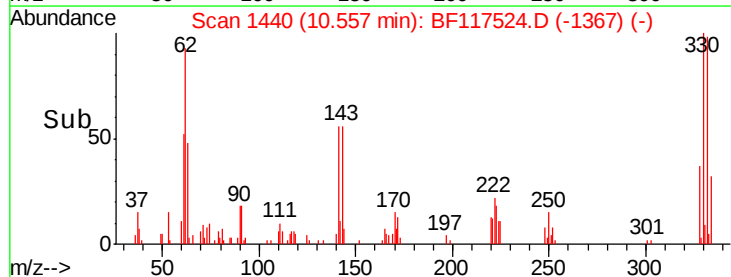
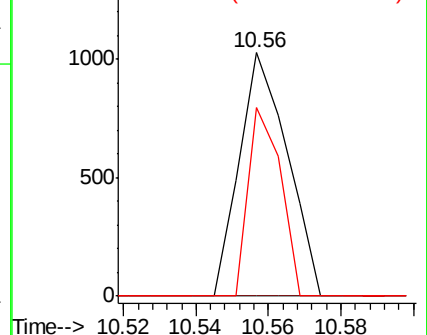


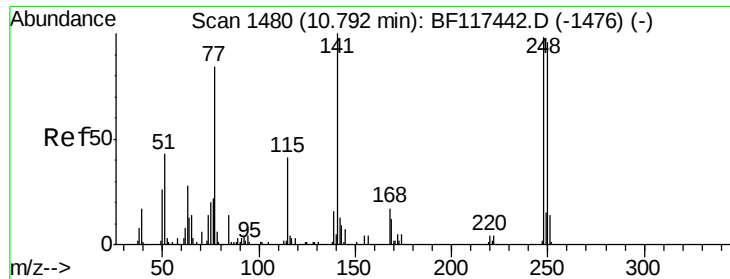
#66
n-Nitrosodiphenylamine
Concen: 0.192 ng
RT: 10.56 min Scan# 1440
Delta R.T. 0.13 min
Lab File: BF117524.D
Acq: 24 Oct 2019 21:32

Tgt Ion:169 Resp: 942
Ion Ratio Lower Upper
169 100
168 0.0 51.3 76.9#
167 77.5 28.2 42.4#



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

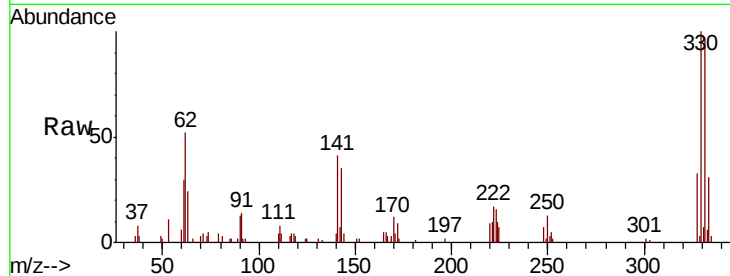




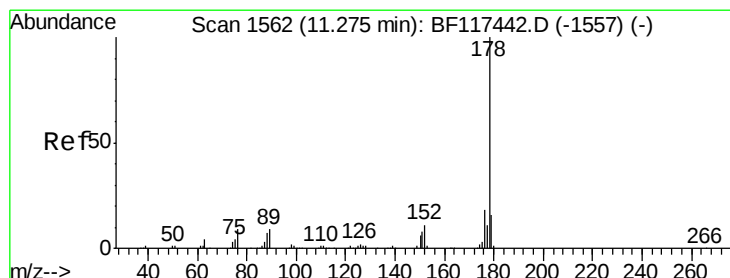
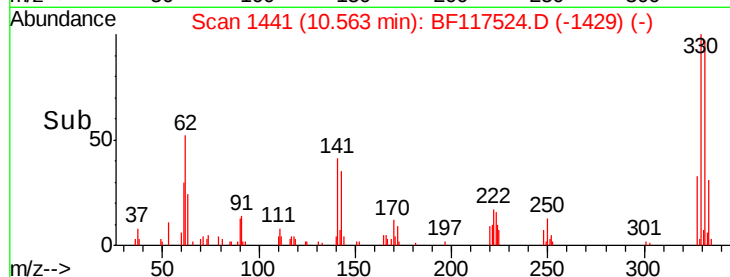
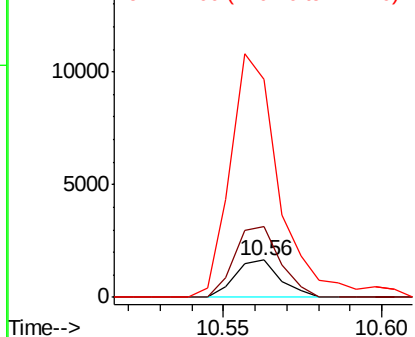
#67
 4-Bromophenyl-phenylether
 Concen: 1.125 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. -0.23 min
 Lab File: BF117524.D
 Acq: 24 Oct 2019 21:32

Instrument :
 BNA_F
 ClientSampleId :
 707-58-(0-1)

Tot Ion:248 Resp: 1627
 Ion Ratio Lower Upper
 248 100
 250 190.6 78.0 117.0#
 141 588.0 81.7 122.5#

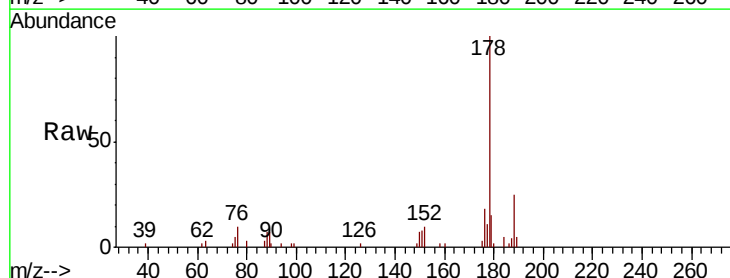


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

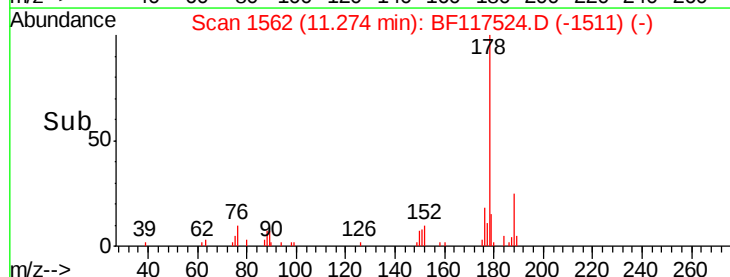
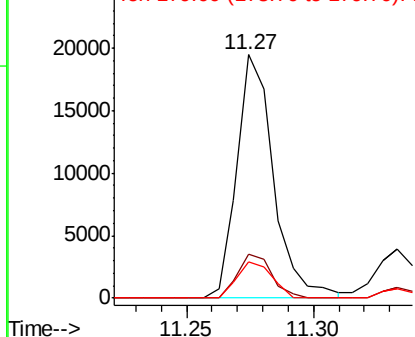


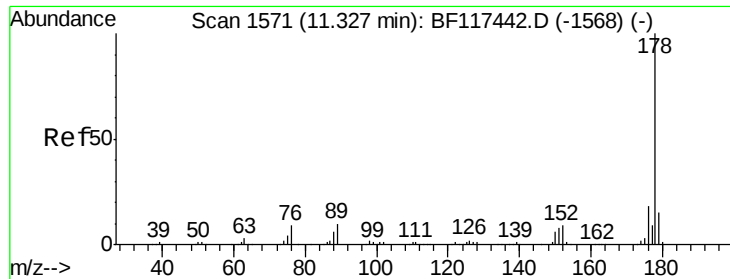
#71
 Phenanthrene
 Concen: 2.519 ng
 RT: 11.27 min Scan# 1562
 Delta R.T. -0.00 min
 Lab File: BF117524.D
 Acq: 24 Oct 2019 21:32

Tgt Ion:178 Resp: 19632
 Ion Ratio Lower Upper
 178 100
 176 18.2 14.6 22.0
 179 14.9 12.6 19.0



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

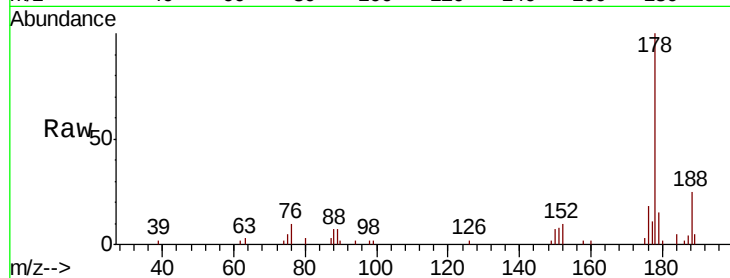




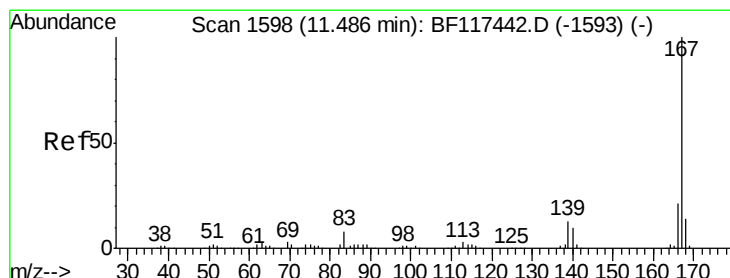
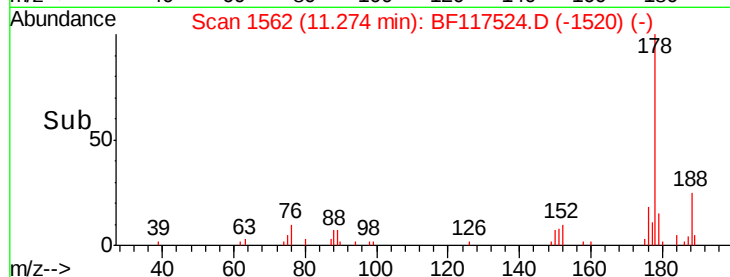
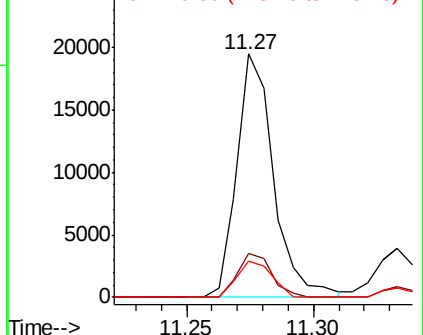
#72
 Anthracene
 Concen: 2.455 ng
 RT: 11.27 min Scan# 1562
 Delta R.T. -0.05 min
 Lab File: BF117524.D
 Acq: 24 Oct 2019 21:32

Instrument :
 BNA_F
 ClientSampleId :
 707-58-(0-1)

Tot Ion:178 Resp: 19632
 Ion Ratio Lower Upper
 178 100
 176 18.2 14.7 22.1
 179 14.9 12.2 18.2

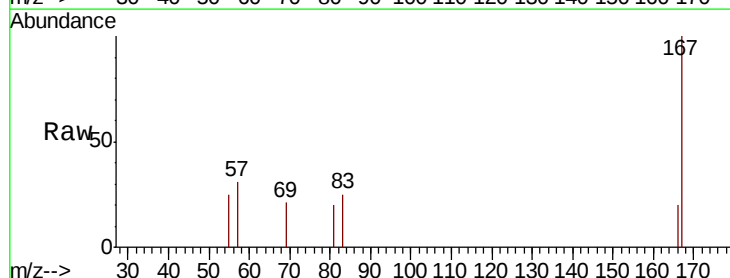


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

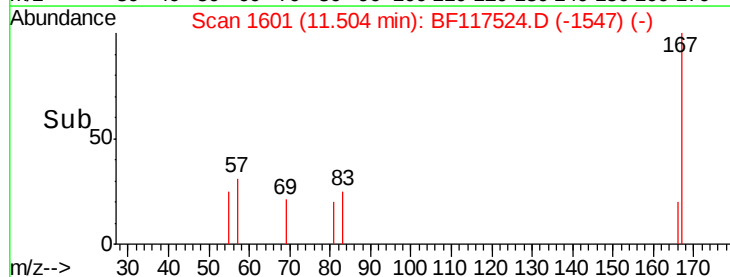
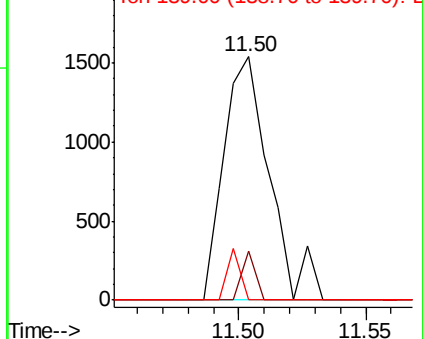


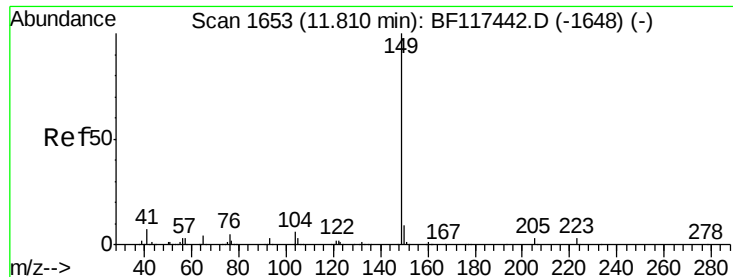
#73
 Carbazole
 Concen: 0.263 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. 0.02 min
 Lab File: BF117524.D
 Acq: 24 Oct 2019 21:32

Tgt Ion:167 Resp: 1924
 Ion Ratio Lower Upper
 167 100
 166 20.1 17.0 25.6
 139 0.0 10.6 16.0#



Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E





#74

Di-n-butylphthalate

Concen: 0.140 ng

RT: 11.81 min Scan# 1653

Delta R.T. -0.00 min

Lab File: BF117524.D

Acq: 24 Oct 2019 21:32

Instrument :

BNA_F

ClientSampleId :

707-58-(0-1)

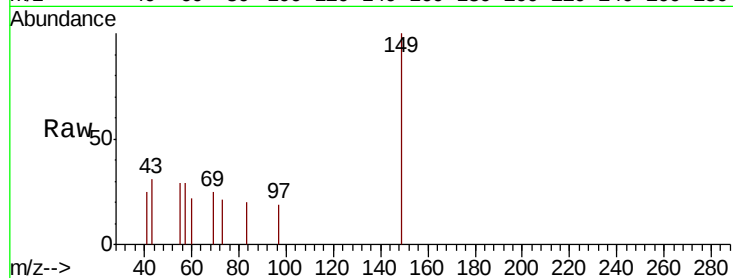
Tot Ion:149 Resp: 1370

Ion Ratio Lower Upper

149 100

150 0.0 7.5 11.3#

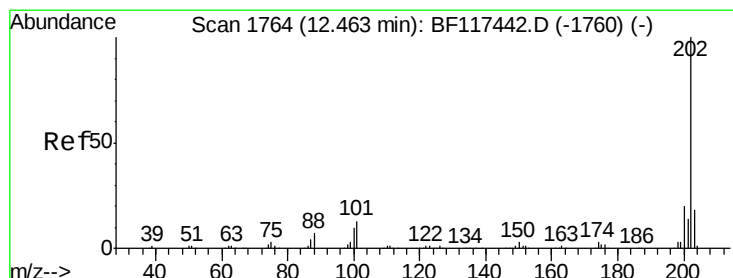
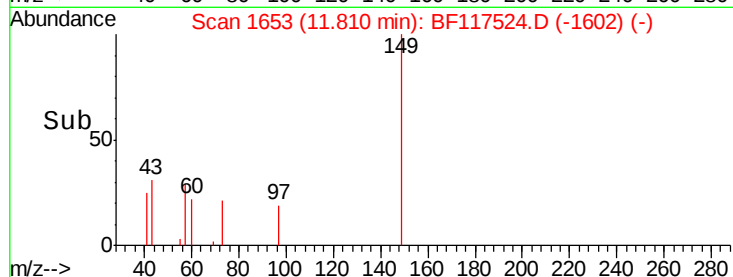
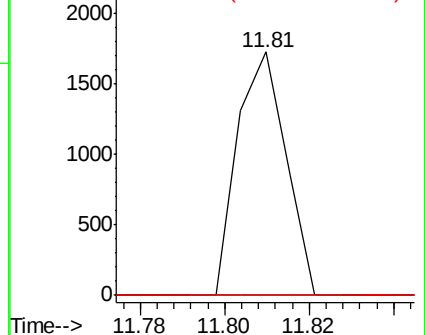
104 0.0 4.6 6.8#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#75

Fluoranthene

Concen: 4.916 ng

RT: 12.47 min Scan# 1765

Delta R.T. 0.01 min

Lab File: BF117524.D

Acq: 24 Oct 2019 21:32

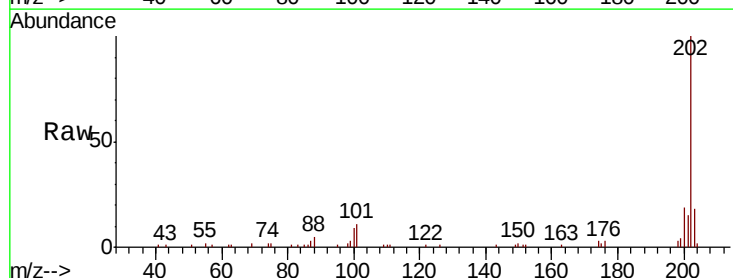
Tgt Ion:202 Resp: 38357

Ion Ratio Lower Upper

202 100

101 10.8 0.0 32.7

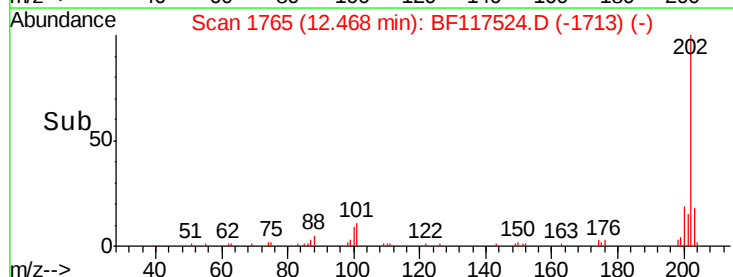
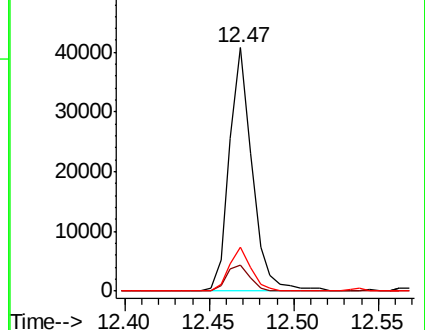
203 17.9 0.0 37.6

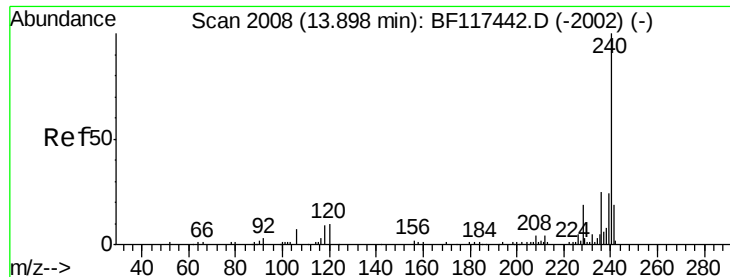


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

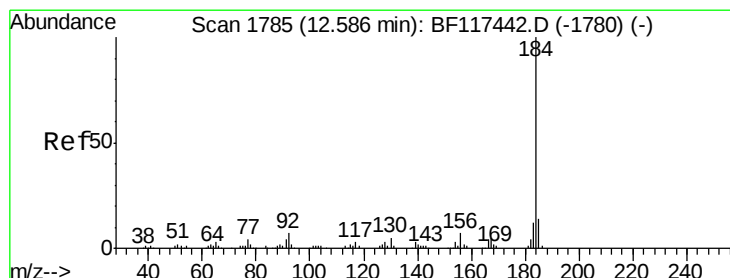
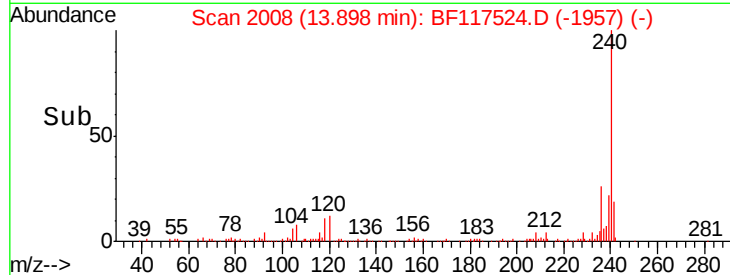
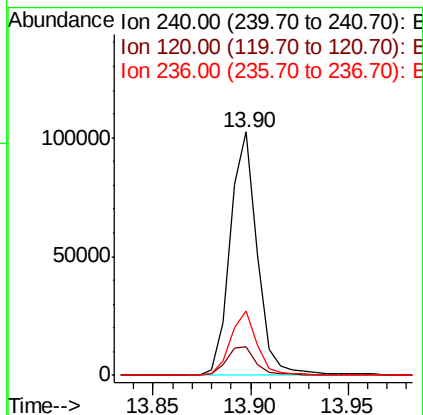
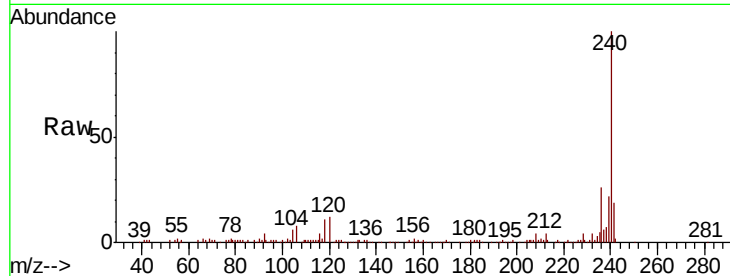




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.00 min
Lab File: BF117524.D
Acq: 24 Oct 2019 21:32

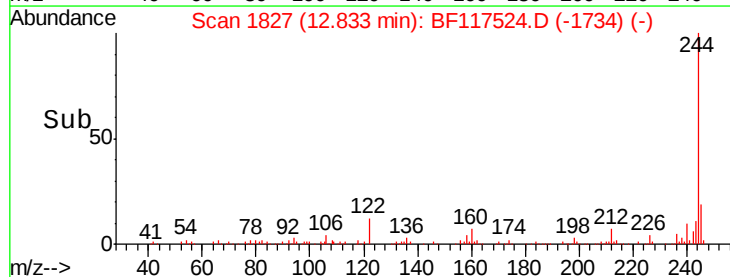
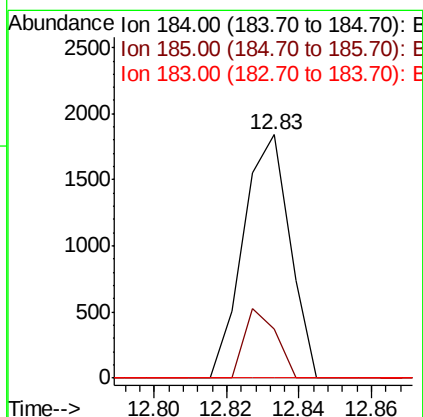
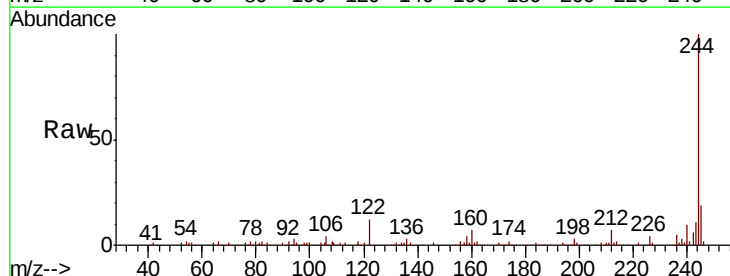
Instrument :
BNA_F
ClientSampleId :
707-58-(0-1)

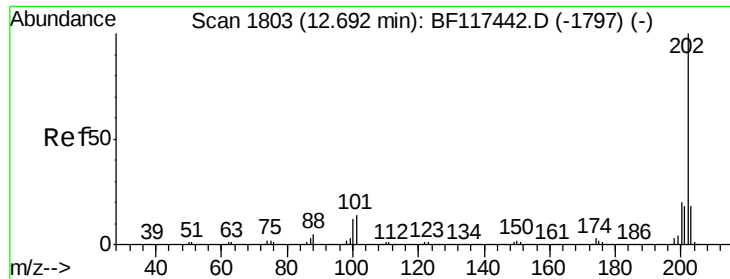
Tot Ion:240 Resp: 98633
Ion Ratio Lower Upper
240 100
120 11.9 8.4 12.6
236 26.3 20.0 30.0



#77
Benzidine
Concen: Below Cal
RT: 12.83 min Scan# 1827
Delta R.T. 0.25 min
Lab File: BF117524.D
Acq: 24 Oct 2019 21:32

Tgt Ion:184 Resp: 1638
Ion Ratio Lower Upper
184 100
185 20.2 11.4 17.0#
183 0.0 9.6 14.4#

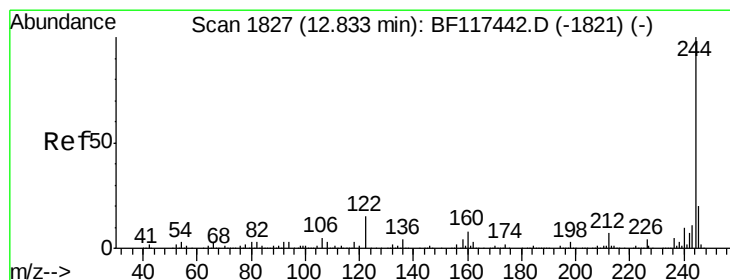
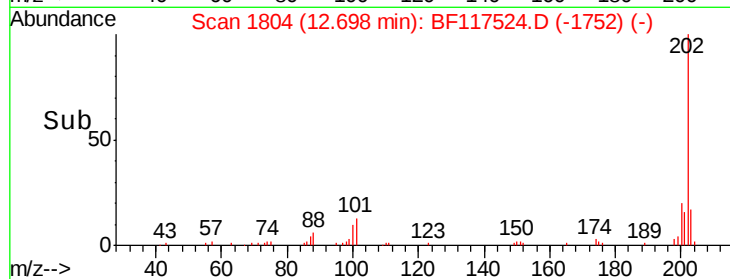
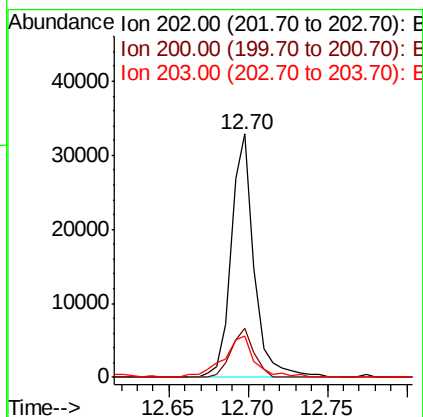
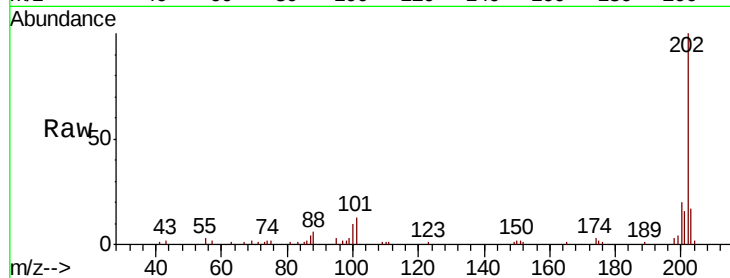




#78
Pvrene
Concen: 3.880 ng
RT: 12.70 min Scan# 1804
Delta R.T. 0.01 min
Lab File: BF117524.D
Acq: 24 Oct 2019 21:32

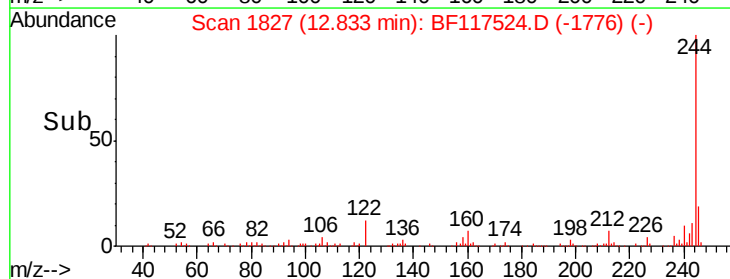
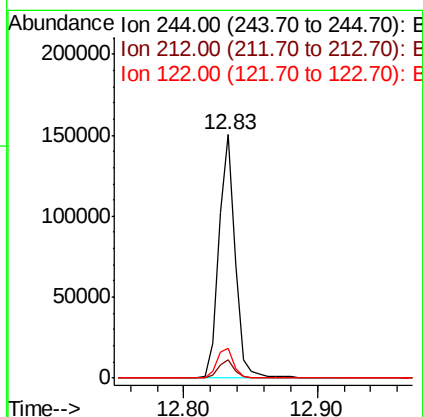
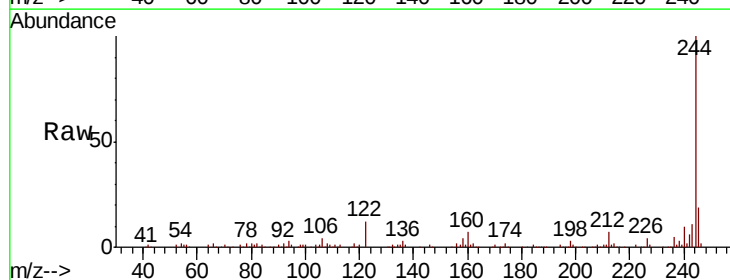
Instrument :
BNA_F
ClientSampleId :
707-58-(0-1)

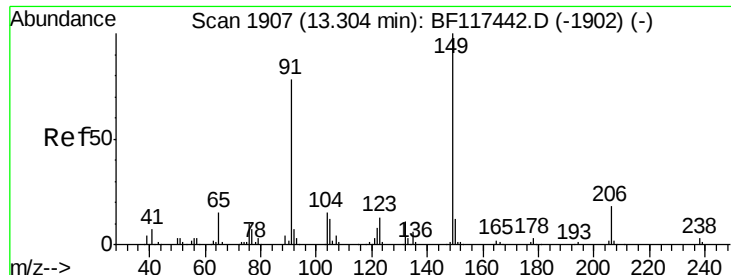
Tot Ion:202 Resp: 32873
Ion Ratio Lower Upper
202 100
200 20.3 16.2 24.2
203 17.0 14.0 21.0



#79
Terphenyl-d14
Concen: 21.572 ng
RT: 12.83 min Scan# 1827
Delta R.T. -0.00 min
Lab File: BF117524.D
Acq: 24 Oct 2019 21:32

Tgt Ion:244 Resp: 130445
Ion Ratio Lower Upper
244 100
212 7.4 5.8 8.6
122 12.2 11.8 17.8

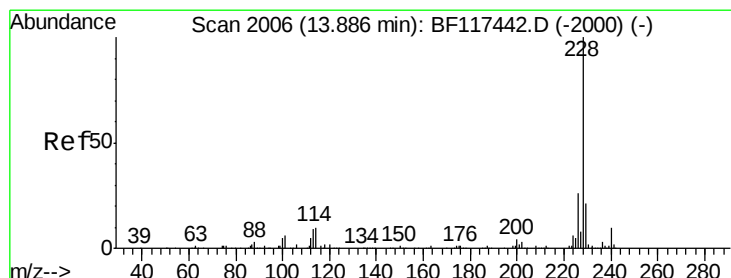
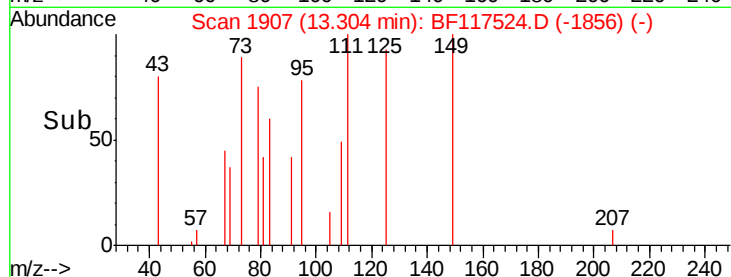
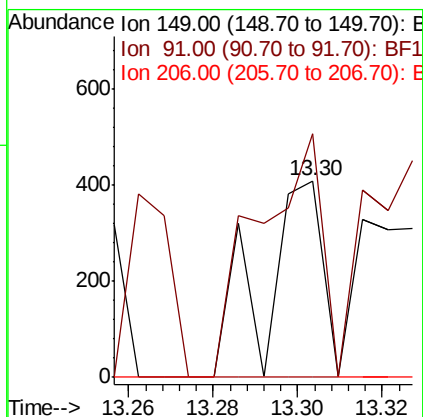
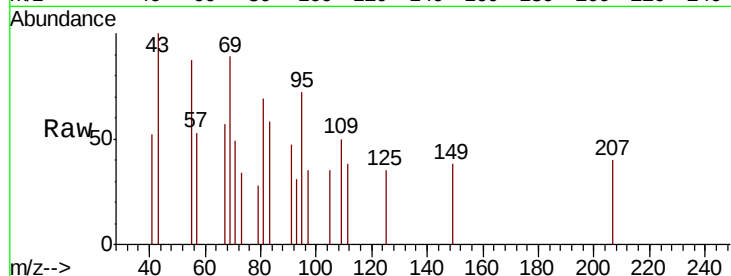




#80
Butylbenzylphthalate
Concen: 0.093 ng
RT: 13.30 min Scan# 1907
Delta R.T. -0.00 min
Lab File: BF117524.D
Acq: 24 Oct 2019 21:32

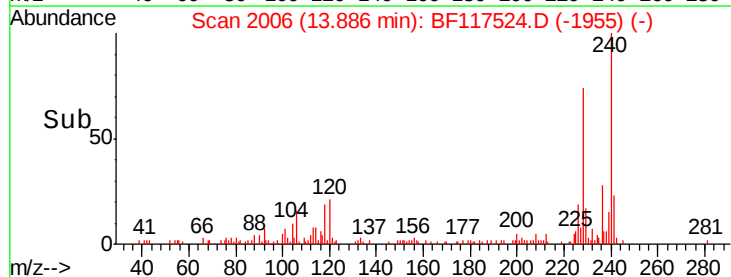
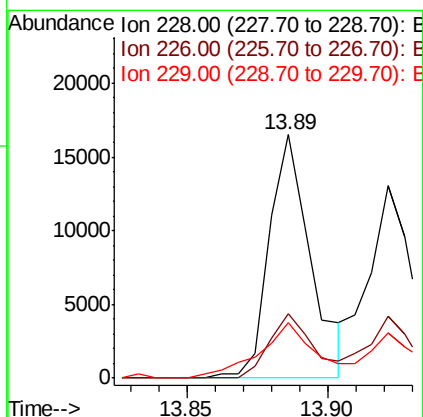
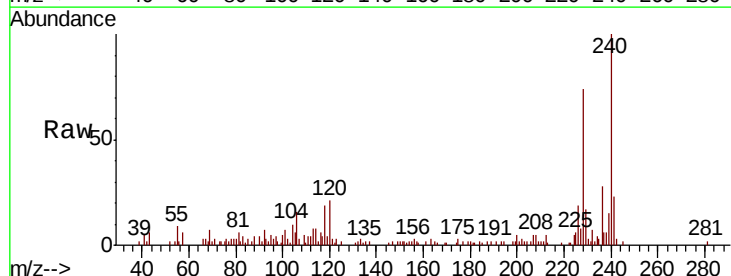
Instrument :
BNA_F
ClientSampleId :
707-58-(0-1)

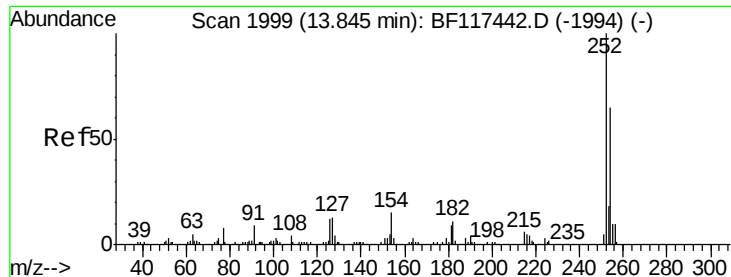
Tot Ion:149 Resp: 391
Ion Ratio Lower Upper
149 100
91 123.7 62.1 93.1#
206 0.0 14.3 21.5#



#81
Benzo(a)anthracene
Concen: 2.535 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.00 min
Lab File: BF117524.D
Acq: 24 Oct 2019 21:32

Tgt Ion:228 Resp: 16868
Ion Ratio Lower Upper
228 100
226 26.2 21.0 31.4
229 22.7 16.4 24.6

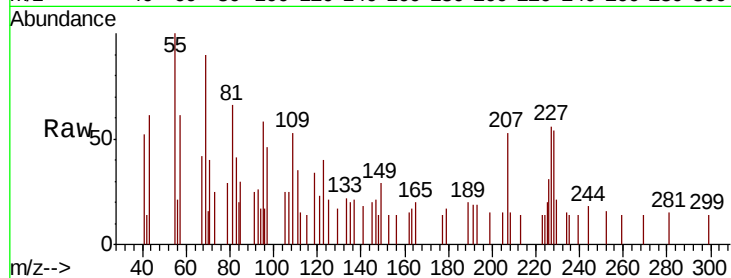




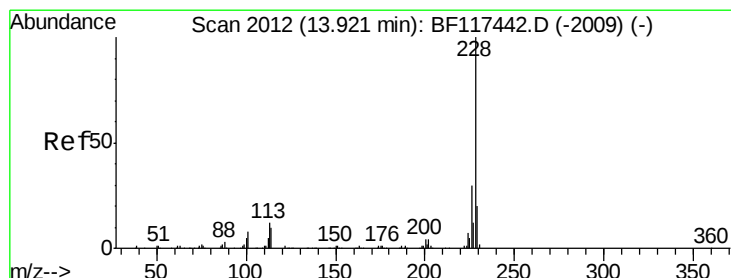
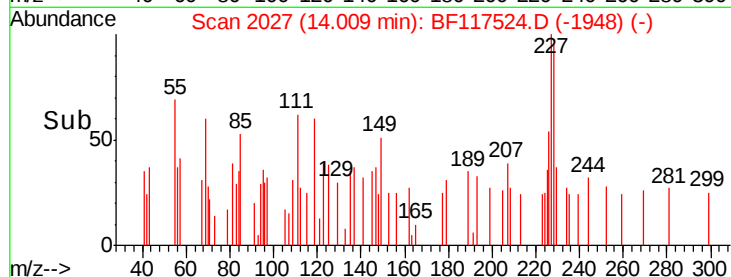
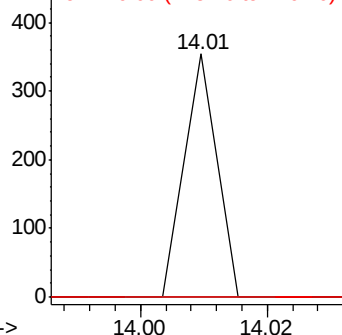
#82
 3,3'-Dichlorobenzidine
 Concen: 0.060 ng
 RT: 14.01 min Scan# 2027
 Delta R.T. 0.16 min
 Lab File: BF117524.D
 Acq: 24 Oct 2019 21:32

Instrument :
 BNA_F
 ClientSampleId :
 707-58-(0-1)

Tot Ion	Ratio	Lower	Upper
252	100		
254	0.0	52.2	78.4#
126	0.0	9.2	13.8#

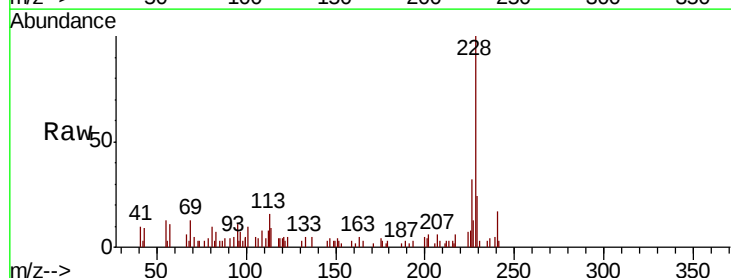


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

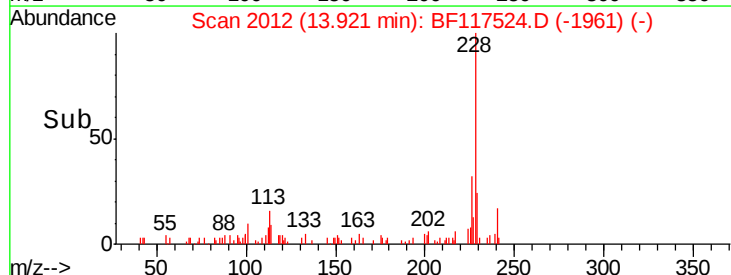
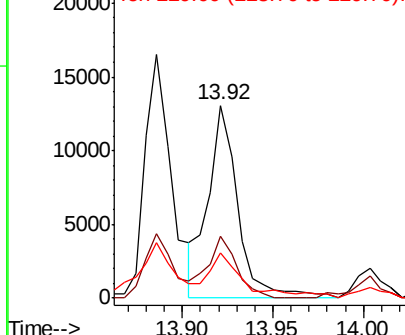


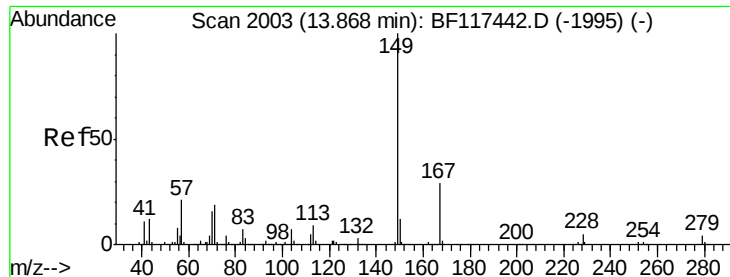
#83
 Chrysene
 Concen: 2.315 ng
 RT: 13.92 min Scan# 2012
 Delta R.T. -0.00 min
 Lab File: BF117524.D
 Acq: 24 Oct 2019 21:32

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.9	23.9	35.9
229	23.6	15.8	23.6



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: 0.210 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF117524.D

Acq: 24 Oct 2019 21:32

Instrument :

BNA_F

ClientSampled :

707-58-(0-1)

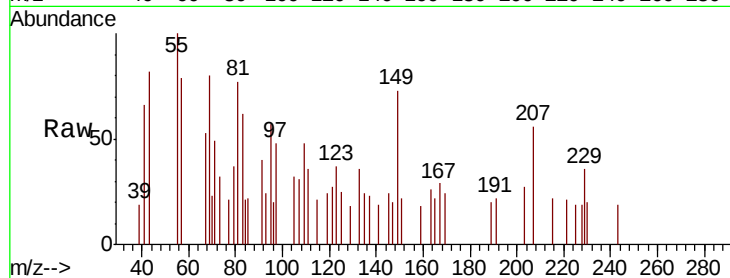
Tot Ion:149 Resp: 1242

Ion Ratio Lower Upper

149 100

167 40.4 23.3 34.9#

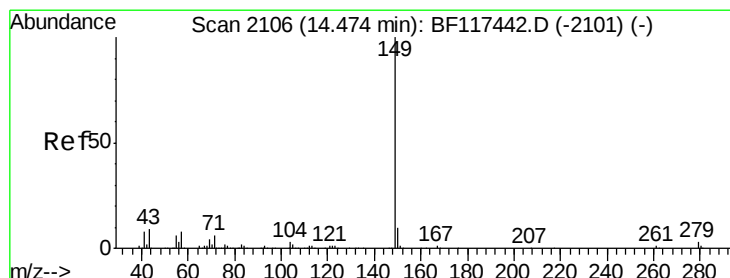
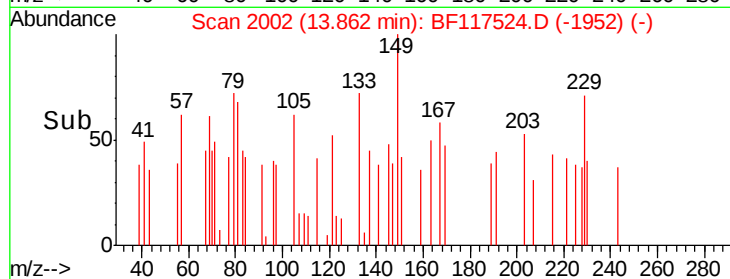
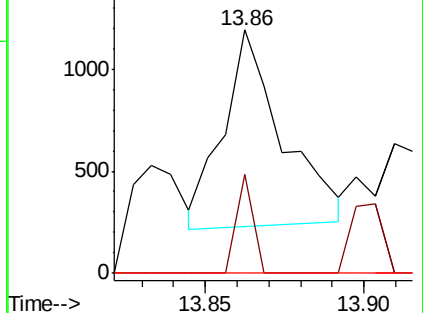
279 0.0 3.2 4.8#



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: 0.039 ng

RT: 14.48 min Scan# 2107

Delta R.T. 0.01 min

Lab File: BF117524.D

Acq: 24 Oct 2019 21:32

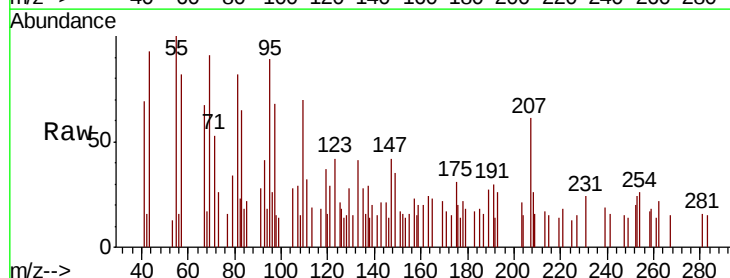
Tgt Ion:149 Resp: 353

Ion Ratio Lower Upper

149 100

167 447.3 1.2 1.8#

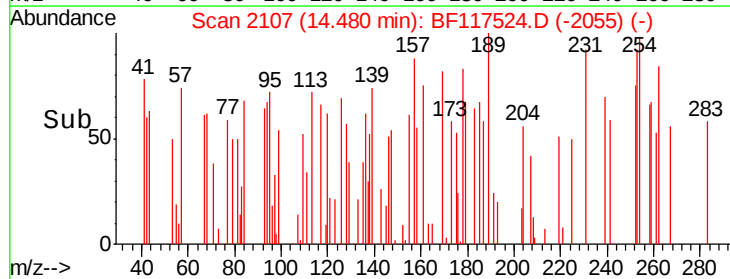
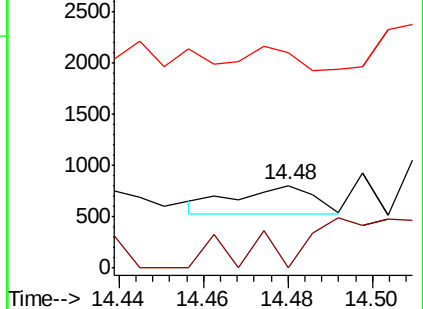
43 0.0 6.8 10.2#

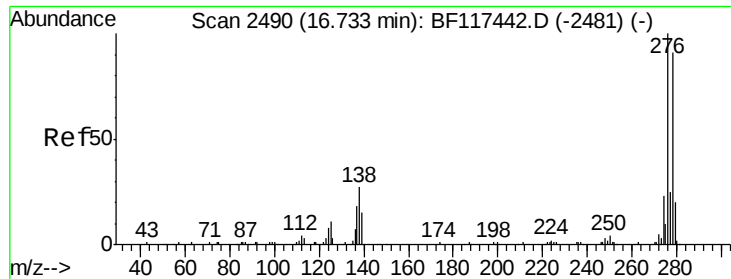


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1

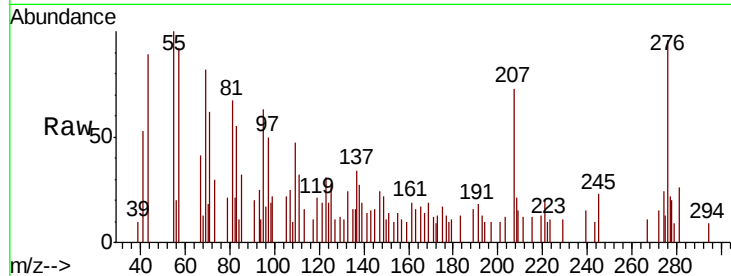




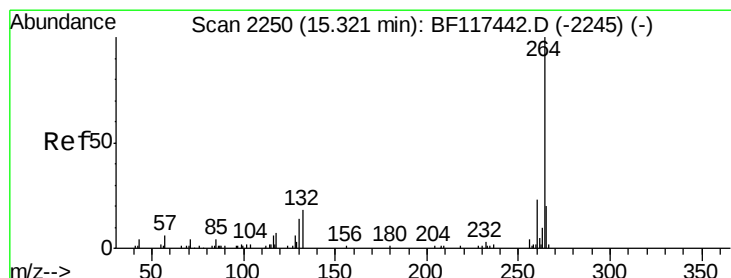
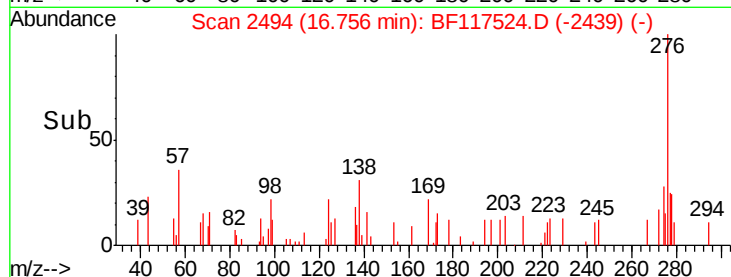
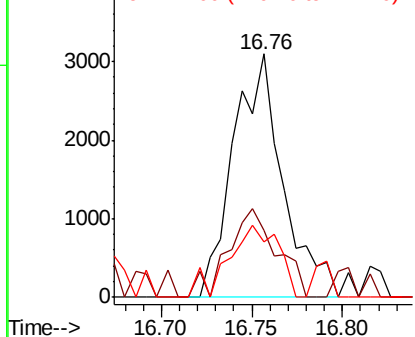
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 1.210 ng
 RT: 16.76 min Scan# 2494
 Delta R.T. 0.02 min
 Lab File: BF117524.D
 Acq: 24 Oct 2019 21:32

Instrument :
 BNA_F
 ClientSampleId :
 707-58-(0-1)

Tot Ion:276 Resp: 5891
 Ion Ratio Lower Upper
 276 100
 138 35.5 21.8 32.8#
 277 29.8 20.0 30.0

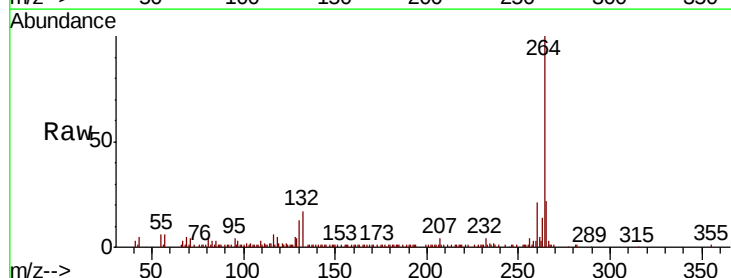


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

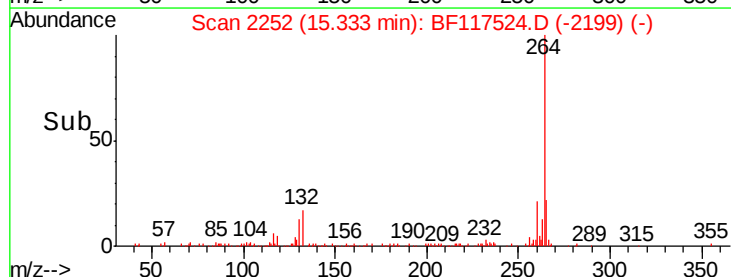
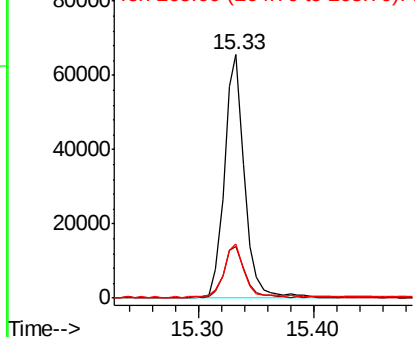


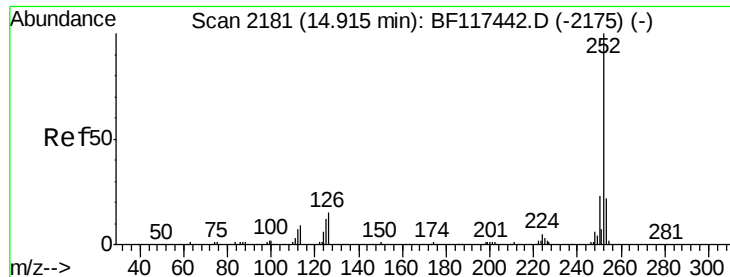
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.33 min Scan# 2252
 Delta R.T. 0.01 min
 Lab File: BF117524.D
 Acq: 24 Oct 2019 21:32

Tgt Ion:264 Resp: 78950
 Ion Ratio Lower Upper
 264 100
 260 21.2 18.4 27.6
 265 22.3 16.1 24.1



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 4.751 ng

RT: 14.92 min Scan# 2182

Delta R.T. 0.01 min

Lab File: BF117524.D

Acq: 24 Oct 2019 21:32

Instrument :

BNA_F

ClientSampleId :

707-58-(0-1)

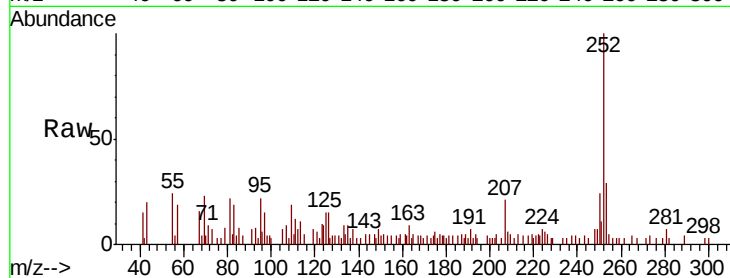
Tot Ion:252 Resp: 22148

Ion Ratio Lower Upper

252 100

253 29.0 17.8 26.6#

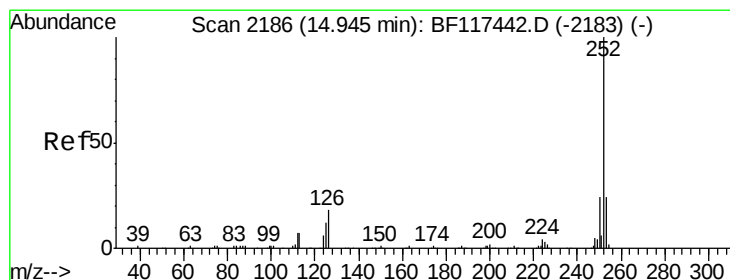
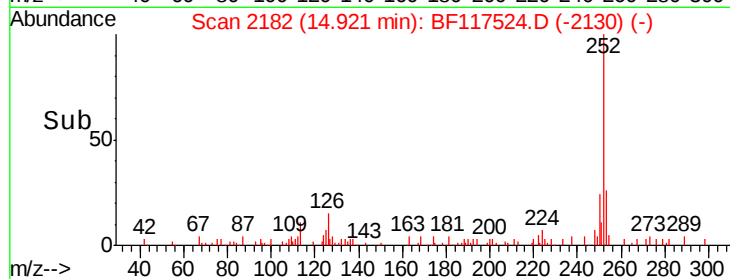
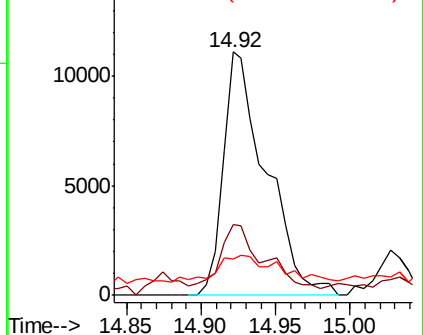
125 14.9 9.9 14.9#



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: 4.635 ng

RT: 14.92 min Scan# 2182

Delta R.T. -0.02 min

Lab File: BF117524.D

Acq: 24 Oct 2019 21:32

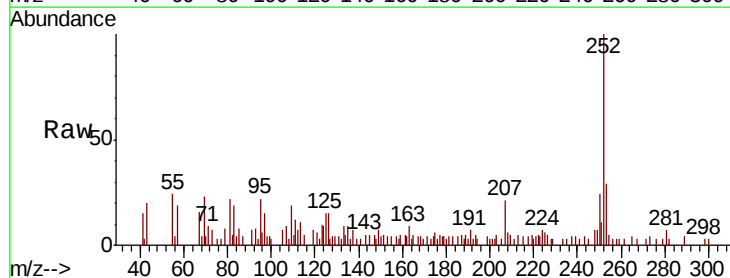
Tgt Ion:252 Resp: 22148

Ion Ratio Lower Upper

252 100

253 29.0 18.0 27.0#

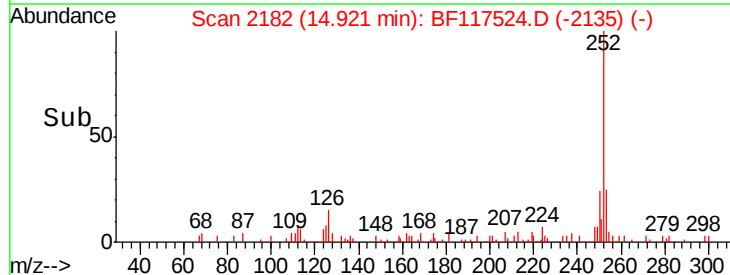
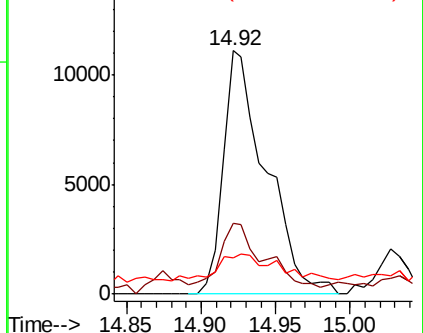
125 14.9 8.9 13.3#

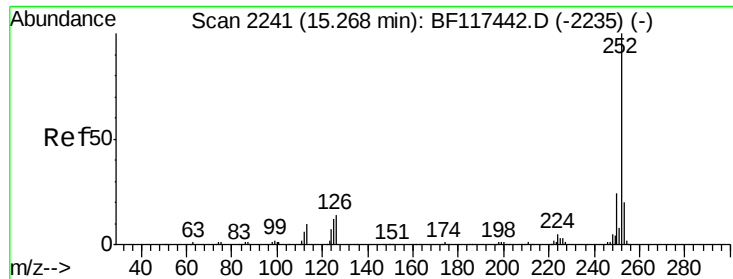


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 2.559 ng

RT: 15.27 min Scan# 2242

Delta R.T. 0.01 min

Lab File: BF117524.D

Acq: 24 Oct 2019 21:32

Instrument :

BNA_F

ClientSampleId :

707-58-(0-1)

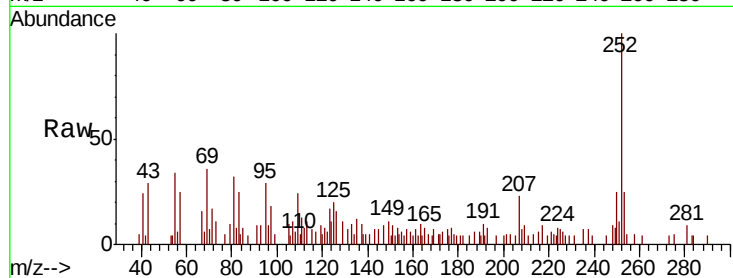
Tot Ion:252 Resp: 10845

Ion Ratio Lower Upper

252 100

253 24.8 16.3 24.5#

125 20.0 9.2 13.8#

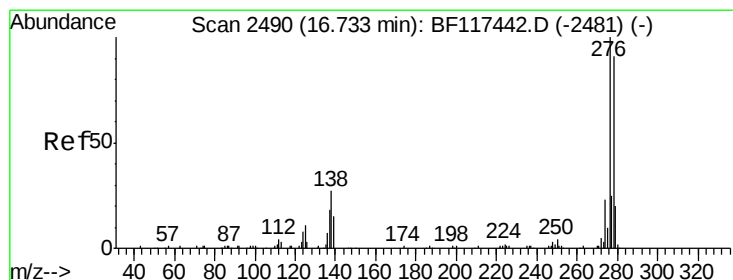
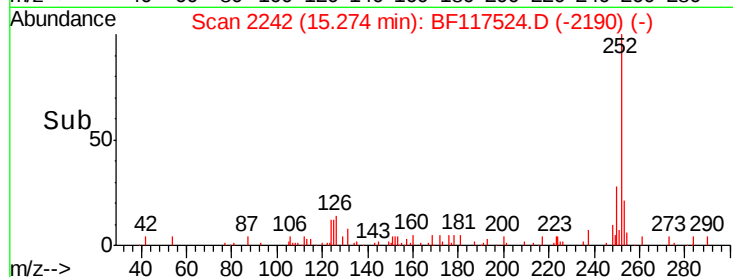
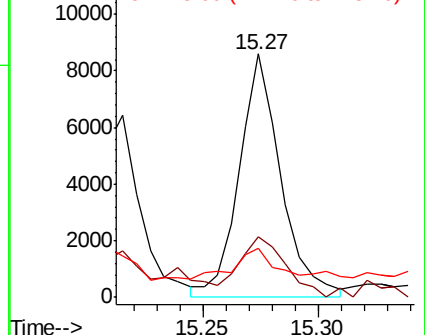


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Dibenzo(a,h)anthracene

Concen: 0.492 ng

RT: 16.74 min Scan# 2492

Delta R.T. 0.01 min

Lab File: BF117524.D

Acq: 24 Oct 2019 21:32

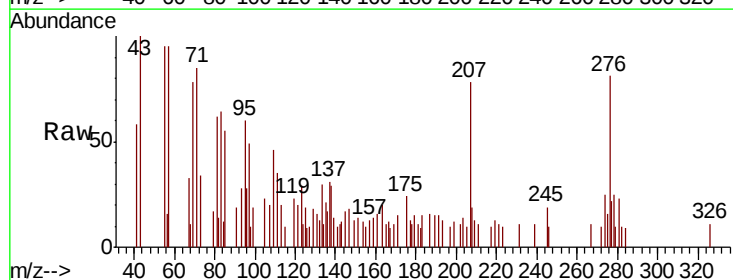
Tgt Ion:278 Resp: 1803

Ion Ratio Lower Upper

278 100

139 56.5 13.4 20.0#

279 39.2 17.8 26.6#

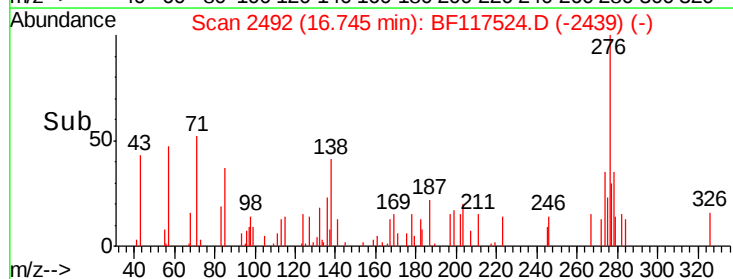
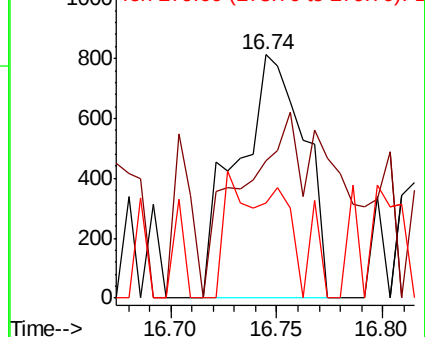


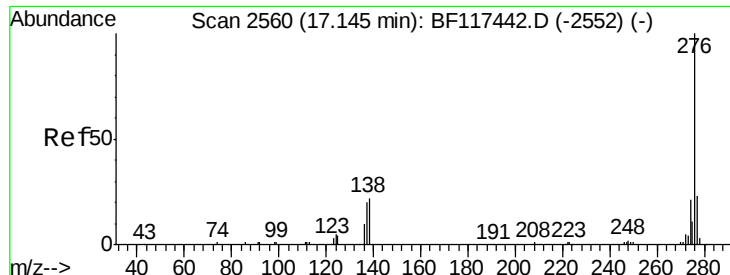
Abundance

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: 1.583 ng

RT: 17.19 min Scan# 2567

Delta R.T. 0.04 min

Lab File: BF117524.D

Acq: 24 Oct 2019 21:32

Instrument :

BNA_F

ClientSampleId :

707-58-(0-1)

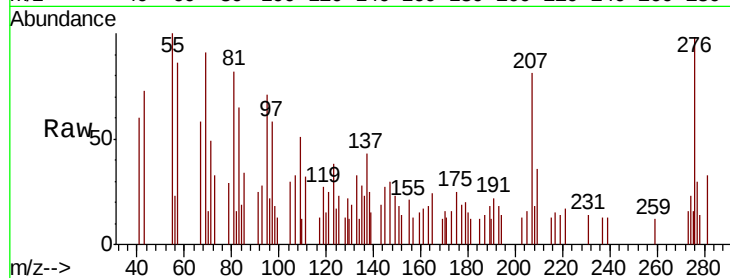
Tot Ion: 276 Resp: 5491

Ion Ratio Lower Upper

276 100

277 30.3 18.4 27.6#

138 40.0 17.8 26.6#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

