

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\
 Data File : BF117528.D
 Acq On : 24 Oct 2019 23:19
 Operator : JU
 Sample : K5497-15 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 166-42-(0-1)

Quant Time: Oct 25 01:09:00 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	53822	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	217829	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	103993	20.00	ng	0.00
64) Phenanthrene-d10	11.26	188	144304	20.00	ng	0.00
76) Chrysene-d12	13.90	240	103539	20.00	ng	0.00
87) Perylene-d12	15.33	264	72870	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	120672	33.36	ng	0.00
7) Phenol-d6	6.39	99	165974	34.16	ng	0.00
23) Nitrobenzene-d5	7.30	82	95347	21.61	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	24778	27.54	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	158068	21.42	ng	0.00
79) Terphenyl-d14	12.83	244	105888	16.68	ng	0.00

Target Compounds				Qvalue		
9) Benzaldehyde	6.40	77	110	Below Cal	#	3
10) Phenol	6.41	94	3543	0.714	ng	88
15) Benzyl Alcohol	6.89	79	1438	0.414	ng	46
19) n-Nitroso-di-n-propylamine	7.30	70	11902	4.011	ng	72
25) Isophorone	7.30	82	95346	12.491	ng	65
46) 1,1'-Biphenyl	9.09	154	123	0.014	ng	1
48) 2-Nitroaniline	9.09	65	146	0.069	ng	1
49) Acenaphthylene	9.63	152	262	0.027	ng	62
50) Dimethylphthalate	9.49	163	15336	2.069	ng	96
51) 2,6-Dinitrotoluene	9.77	165	12926	8.355	ng	22
52) Acenaphthene	9.77	154	256	0.044	ng	5
57) 2,4-Dinitrotoluene	9.77	165	12926	6.284	ng	12
58) Fluorene	10.56	166	1129	0.161	ng	1
63) Azobenzene	10.56	77	119	0.016	ng	53
66) n-Nitrosodiphenylamine	10.56	169	855	0.162	ng	37
67) 4-Bromophenyl-phenylether	10.56	248	1579	1.016	ng	1
71) Phenanthrene	11.28	178	1402	0.167	ng	66
72) Anthracene	11.34	178	248	0.029	ng	61
74) Di-n-butylphthalate	11.81	149	352	0.034	ng	78
75) Fluoranthene	12.47	202	3789	0.452	ng	88
77) Benzidine	12.83	184	1476	Below Cal	#	81
78) Pyrene	12.70	202	3342	0.376	ng	94
80) Butylbenzylphthalate	13.32	149	940	0.212	ng	78
81) Benzo(a)anthracene	13.89	228	2252	0.322	ng	82
83) Chrysene	13.93	228	2535	0.370	ng	90
84) Bis(2-ethylhexyl)phthalate	13.87	149	1045	0.169	ng	51
85) Di-n-octyl phthalate	14.46	149	167	0.018	ng	1
86) Indeno(1,2,3-cd)pyrene	16.76	276	763	0.149	ng	27
88) Benzo(b)fluoranthene	14.93	252	3400	0.790	ng	14
89) Benzo(k)fluoranthene	14.93	252	3400	0.771	ng	13
90) Benzo(a)pyrene	15.28	252	1741	0.445	ng	1
91) Dibenzo(a,h)anthracene	16.98	278	109	0.032	ng	57
92) Benzo(a,h,i)perylene	17.19	276	1126	0.352	ng	53

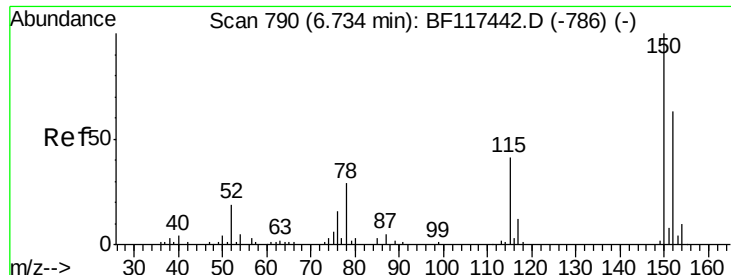
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\
Data File : BF117528.D
Acq On : 24 Oct 2019 23:19
Operator : JU
Sample : K5497-15 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
166-42-(0-1)

Quant Time: Oct 25 01:09:00 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)
--------------------	------	------	----------	------	-------	----------

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

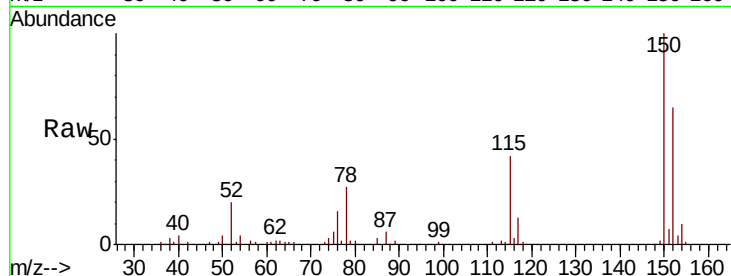


#1

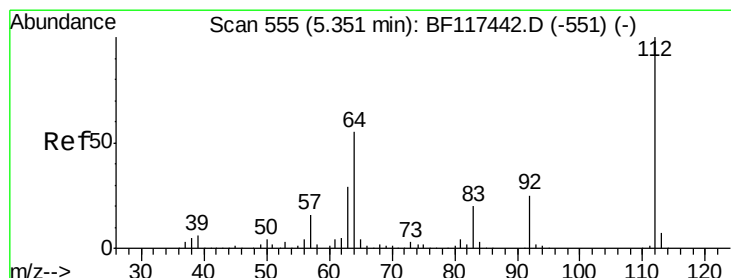
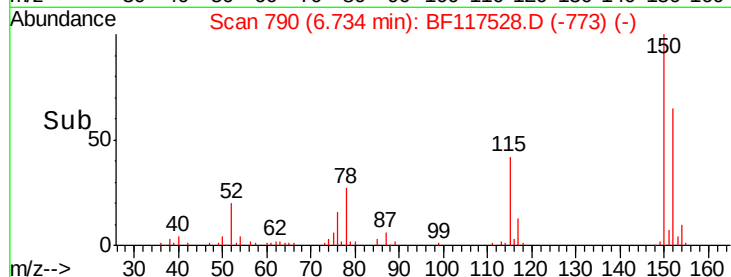
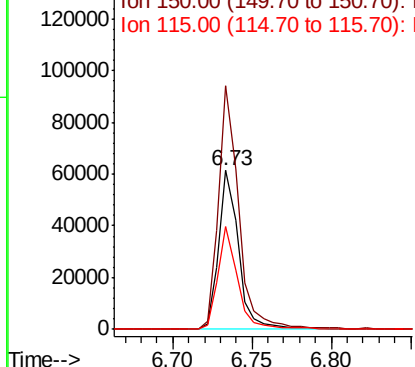
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.00 min
Lab File: BF117528.D
Acq: 24 Oct 2019 23:19

Instrument :
BNA_F
ClientSampleId :
166-42-(0-1)

Tot Ion:152 Resp: 53822
Ion Ratio Lower Upper
152 100
150 153.6 126.8 190.2
115 64.8 51.6 77.4



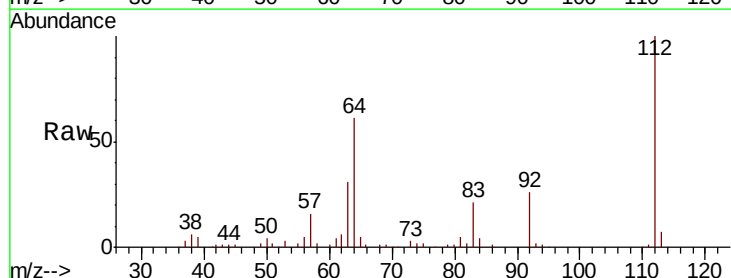
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



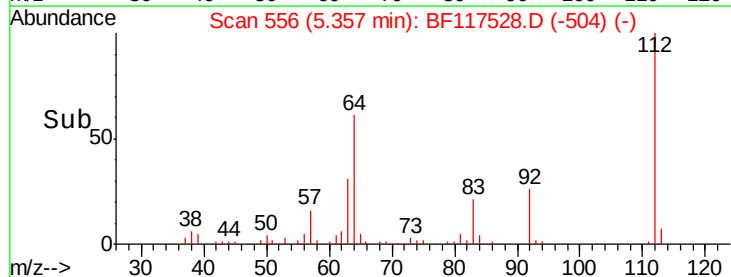
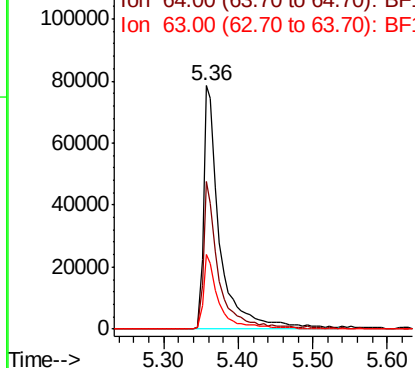
#5

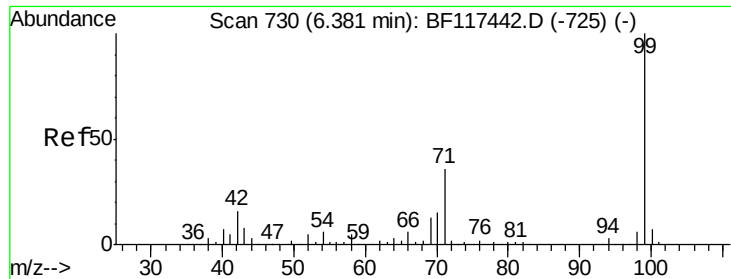
2-Fluorophenol
Concen: 33.355 ng
RT: 5.36 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF117528.D
Acq: 24 Oct 2019 23:19

Tgt Ion:112 Resp: 120672
Ion Ratio Lower Upper
112 100
64 60.6 44.1 66.1
63 30.7 23.4 35.2



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





#7

Phenol-d6

Concen: 34.157 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF117528.D

Acq: 24 Oct 2019 23:19

Instrument :

BNA_F

ClientSampleId :

166-42-(0-1)

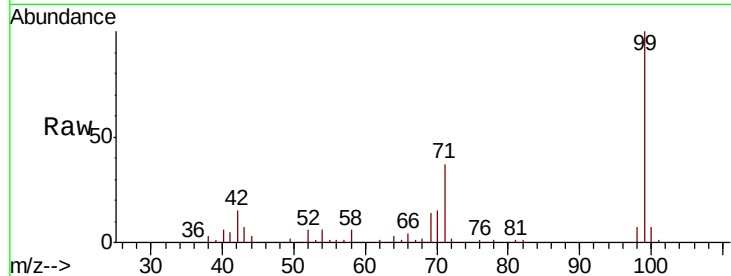
Tot Ion: 99 Resp: 165974

Ion Ratio Lower Upper

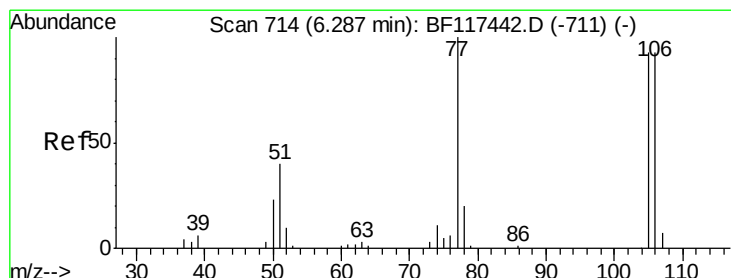
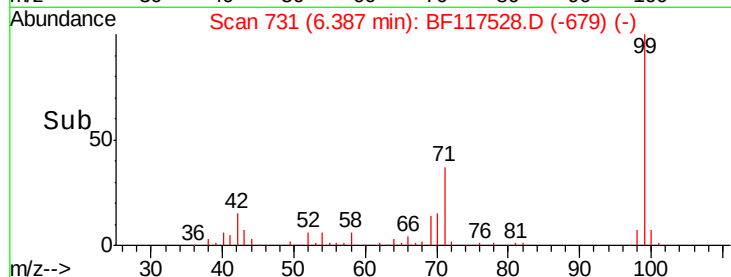
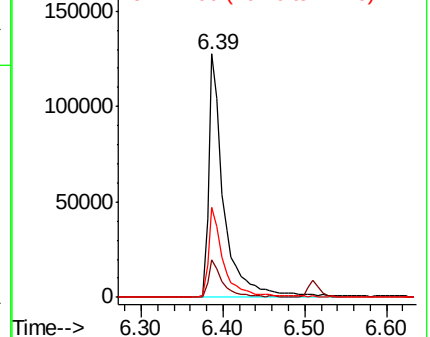
99 100

42 15.5 12.8 19.2

71 37.2 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: 6.40 min Scan# 733

Delta R.T. 0.11 min

Lab File: BF117528.D

Acq: 24 Oct 2019 23:19

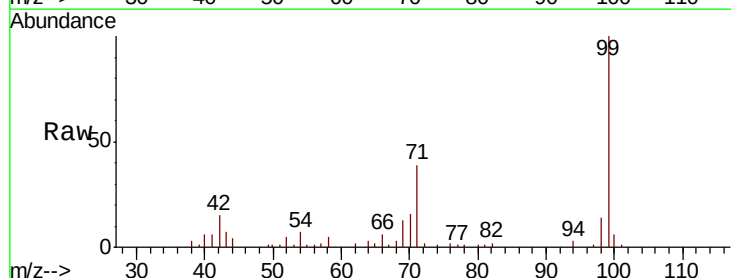
Tgt Ion: 77 Resp: 110

Ion Ratio Lower Upper

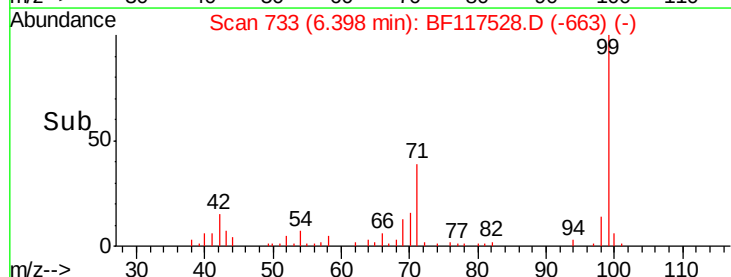
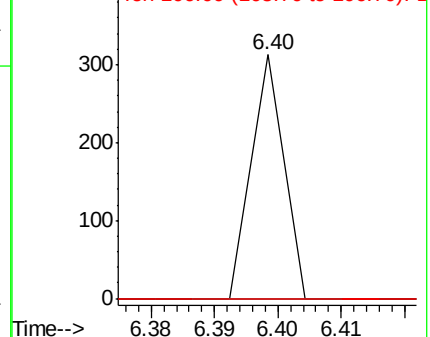
77 100

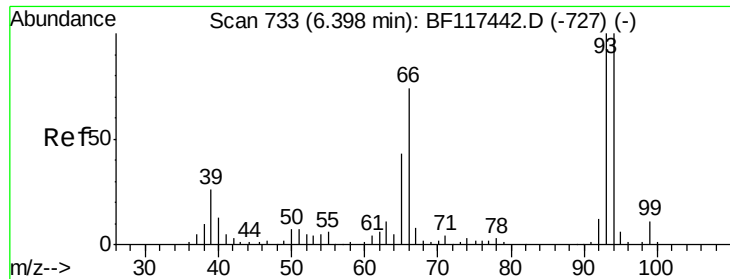
105 0.0 73.4 113.4#

106 0.0 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: 0.714 ng

RT: 6.41 min Scan# 735

Delta R.T. 0.01 min

Lab File: BF117528.D

Acq: 24 Oct 2019 23:19

Instrument :

BNA_F

ClientSampleId :

166-42-(0-1)

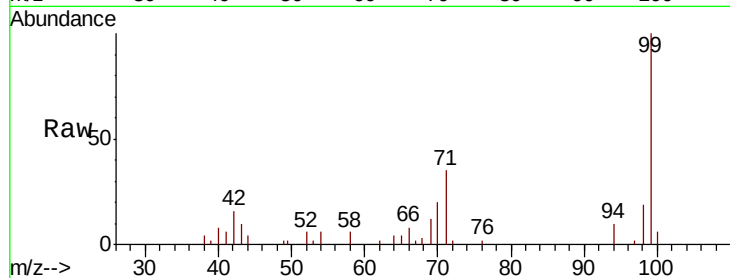
Tot Ion: 94 Resp: 3543

Ion Ratio Lower Upper

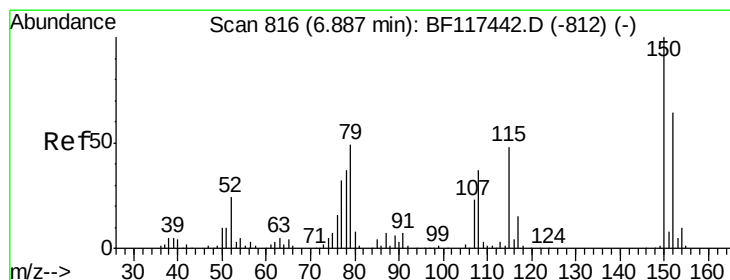
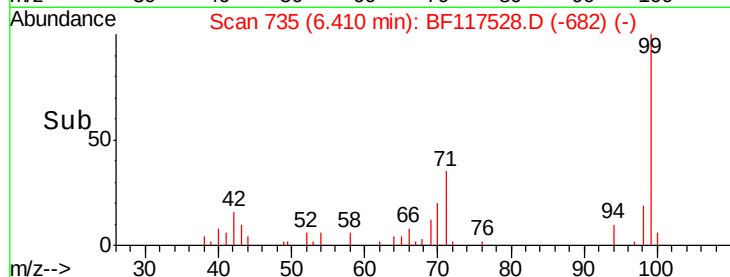
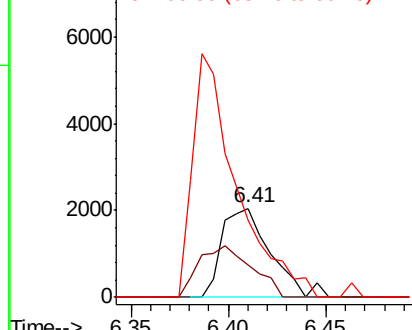
94 100

65 36.9 23.4 63.4

66 85.9 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



#15

Benzyl Alcohol

Concen: 0.414 ng

RT: 6.89 min Scan# 817

Delta R.T. 0.01 min

Lab File: BF117528.D

Acq: 24 Oct 2019 23:19

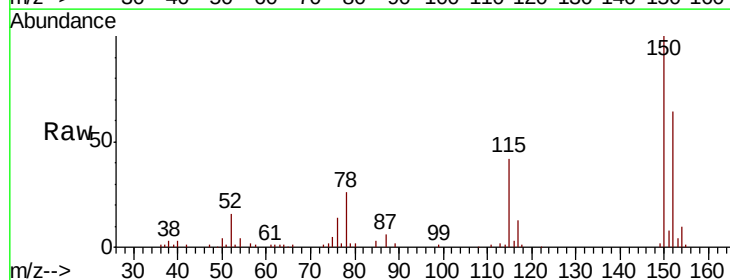
Tgt Ion: 79 Resp: 1438

Ion Ratio Lower Upper

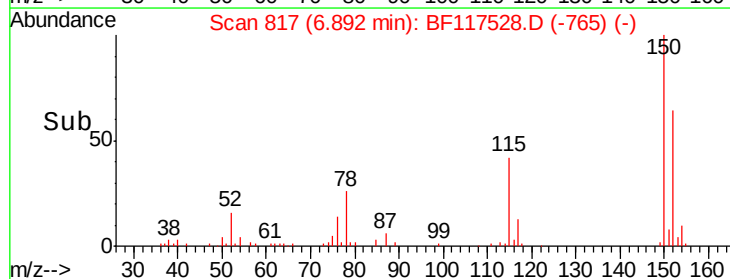
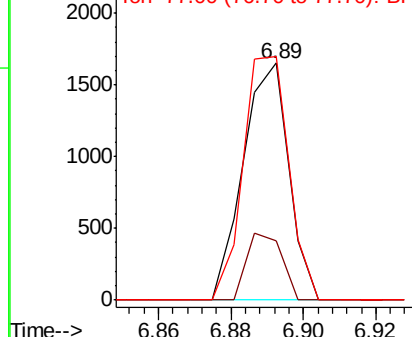
79 100

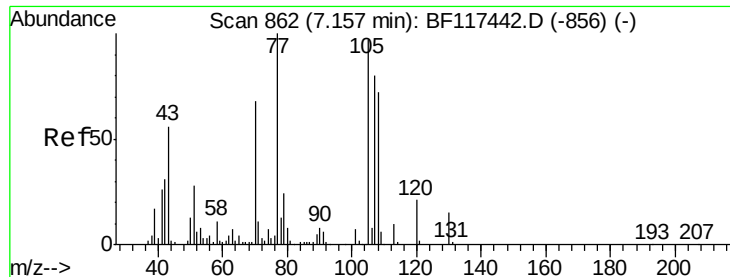
108 24.8 59.8 89.8#

77 102.7 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

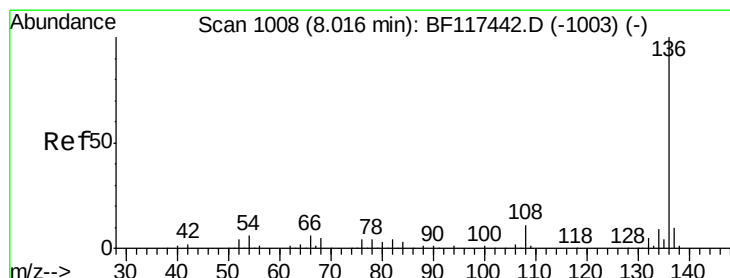
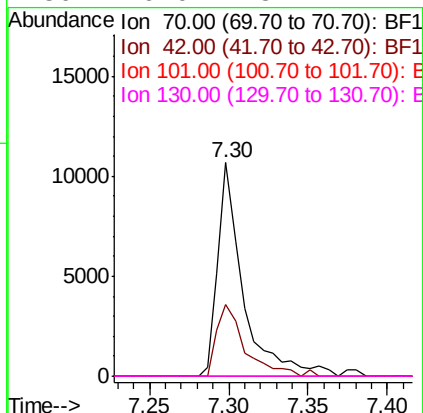
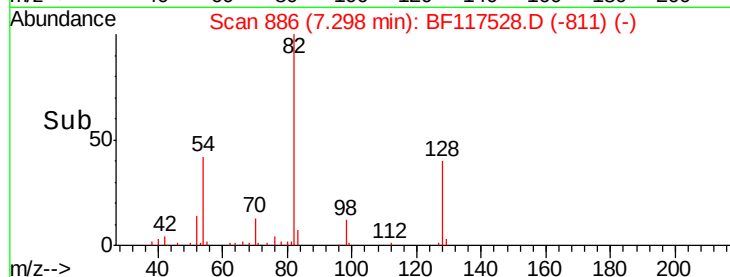
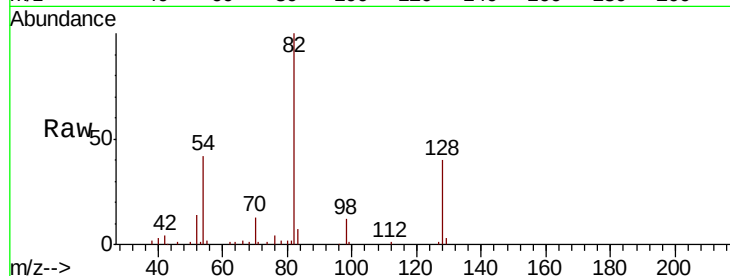




#19
n-Nitroso-di-n-propylamine
Concen: 4.011 ng
RT: 7.30 min Scan# 886
Delta R.T. 0.14 min
Lab File: BF117528.D
Acq: 24 Oct 2019 23:19

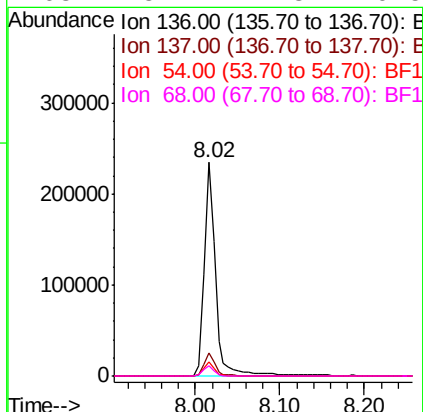
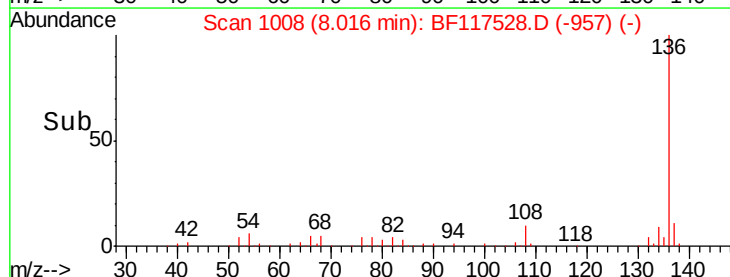
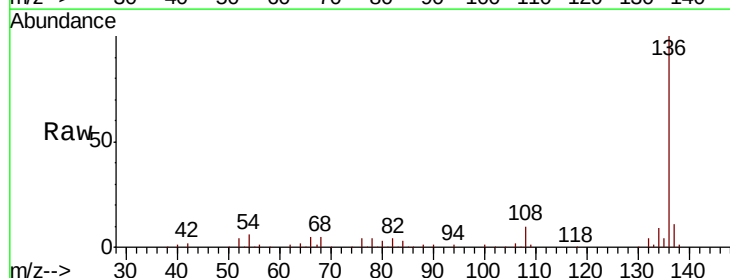
Instrument :
BNA_F
ClientSampleId :
166-42-(0-1)

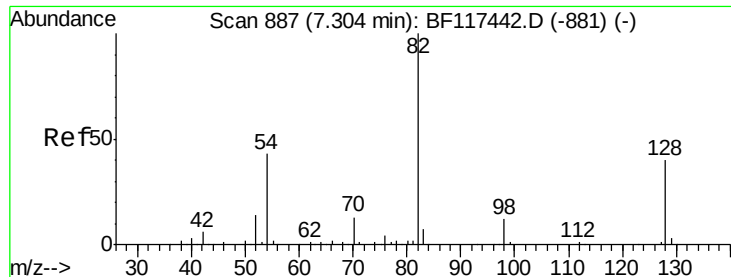
Tot Ion: 70 Resp: 11902
Ion Ratio Lower Upper
70 100
42 33.6 36.7 55.1#
101 0.0 8.3 12.5#
130 0.0 18.1 27.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1008
Delta R.T. -0.00 min
Lab File: BF117528.D
Acq: 24 Oct 2019 23:19

Tgt Ion: 136 Resp: 217829
Ion Ratio Lower Upper
136 100
137 11.0 8.2 12.4
54 6.4 4.5 6.7
68 5.1 4.3 6.5

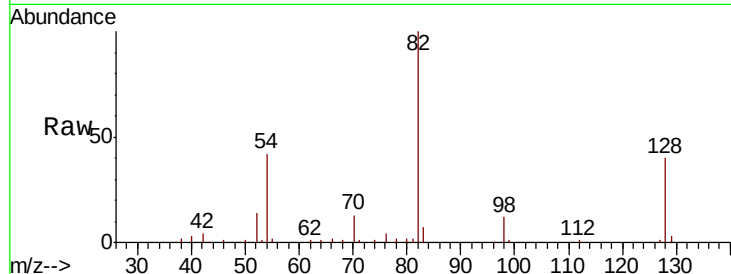




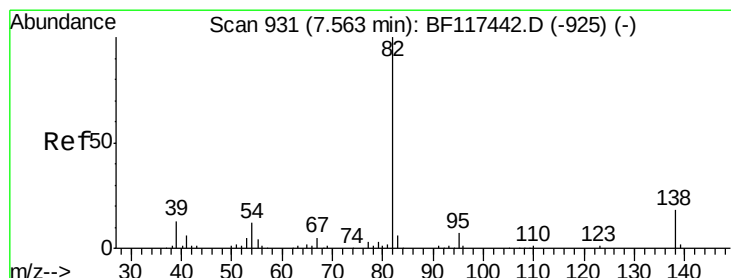
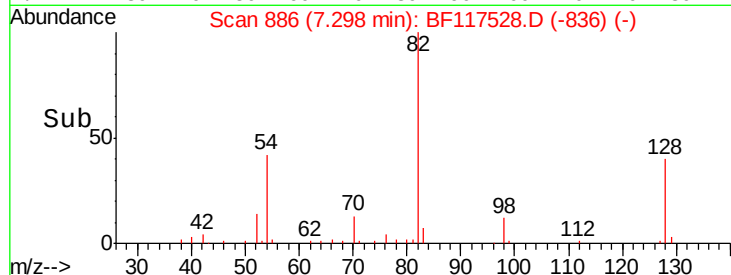
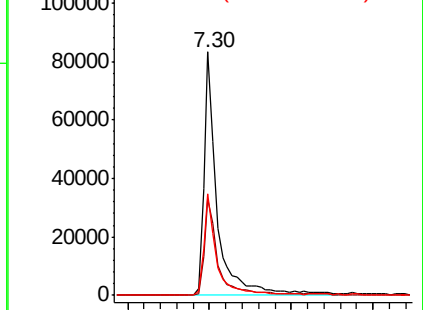
#23
 Nitrobenzene-d5
 Concen: 21.609 ng
 RT: 7.30 min Scan# 886
 Delta R.T. -0.01 min
 Lab File: BF117528.D
 Acq: 24 Oct 2019 23:19

Instrument :
 BNA_F
 ClientSampleId :
 166-42-(0-1)

Tot Ion	82	Resp	95347
Ion Ratio	Lower	Upper	
82	100		
128	39.8	32.2	48.2
54	41.6	34.2	51.2

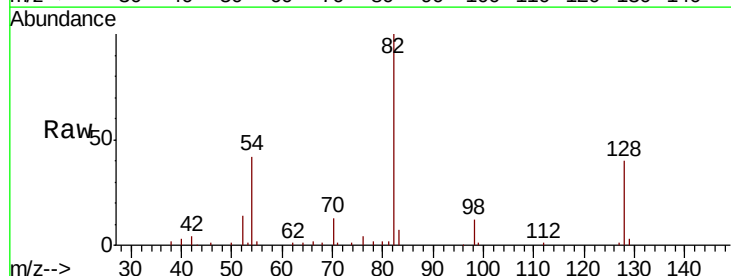


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

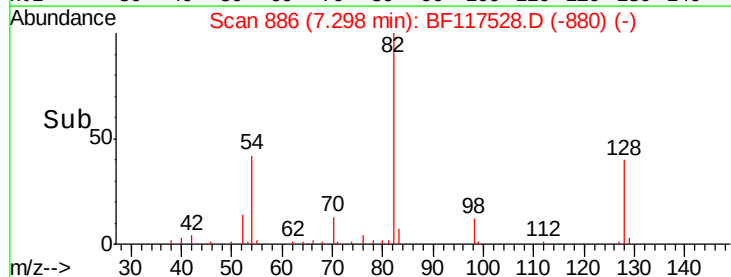
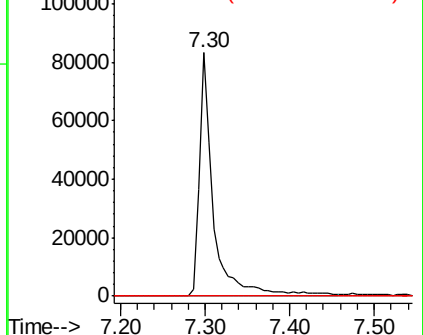


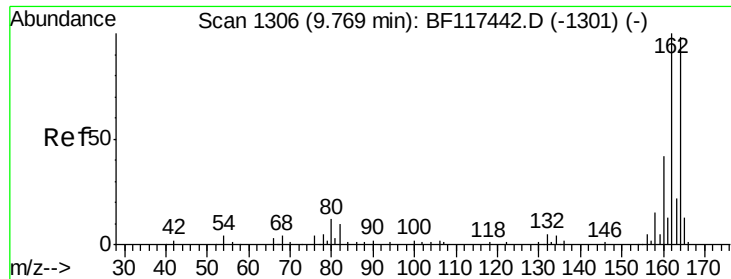
#25
 Isophorone
 Concen: 12.491 ng
 RT: 7.30 min Scan# 886
 Delta R.T. -0.26 min
 Lab File: BF117528.D
 Acq: 24 Oct 2019 23:19

Tgt Ion	82	Resp	95346
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

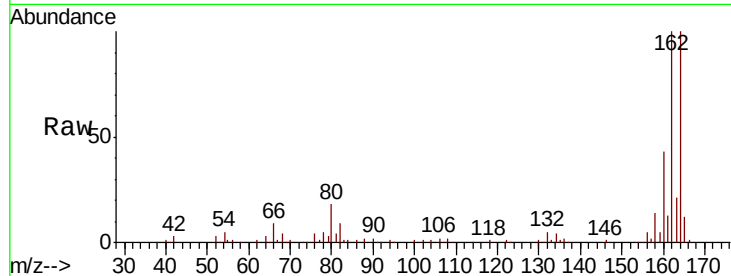




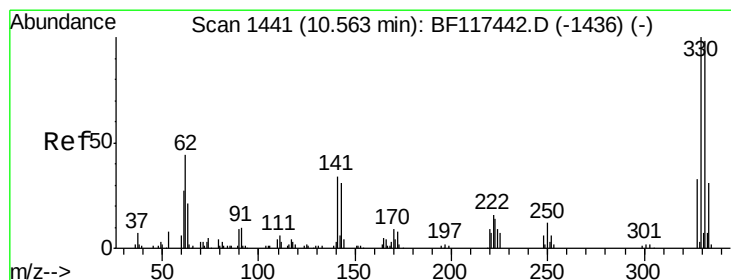
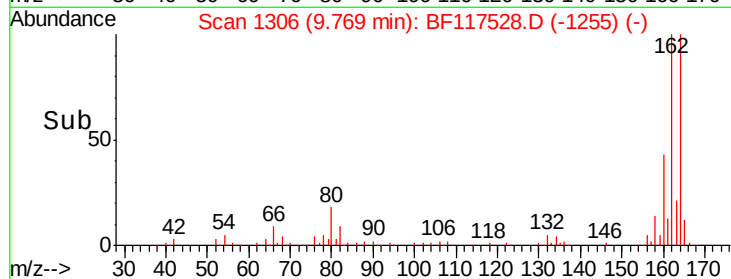
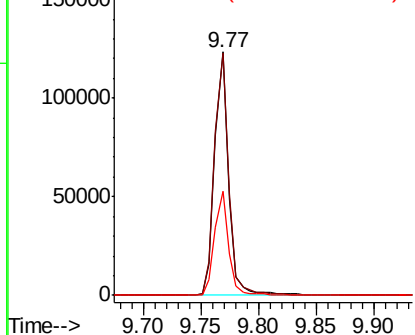
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.77 min Scan# 1306
 Delta R.T. -0.00 min
 Lab File: BF117528.D
 Acq: 24 Oct 2019 23:19

Instrument :
 BNA_F
 ClientSampleId :
 166-42-(0-1)

Tot Ion:164 Resp: 103993
 Ion Ratio Lower Upper
 164 100
 162 99.6 81.8 122.6
 160 42.8 34.4 51.6

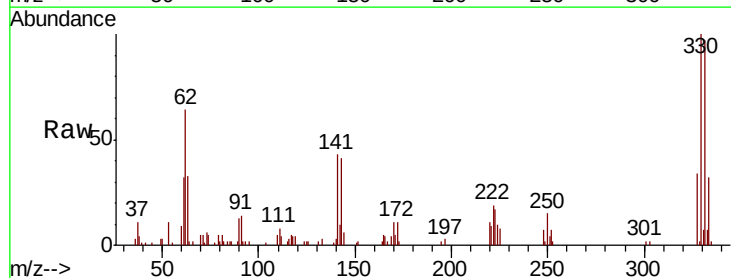


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

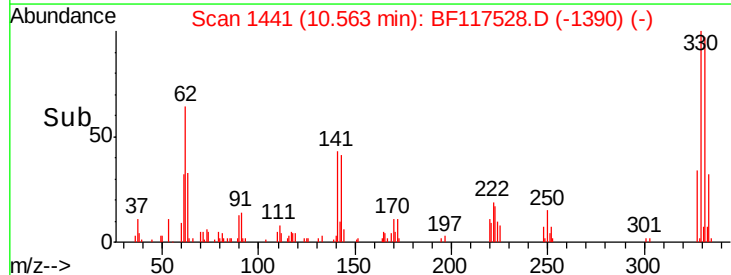
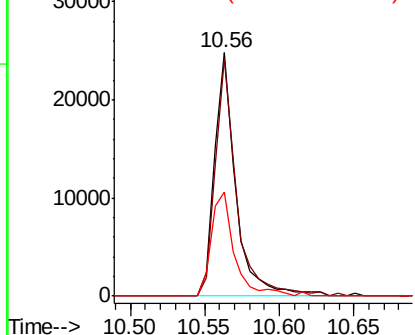


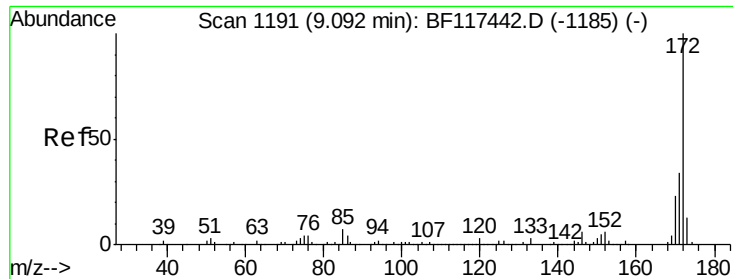
#42
 2,4,6-Tribromophenol
 Concen: 27.537 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: BF117528.D
 Acq: 24 Oct 2019 23:19

Tgt Ion:330 Resp: 24778
 Ion Ratio Lower Upper
 330 100
 332 97.6 78.5 117.7
 141 46.0 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

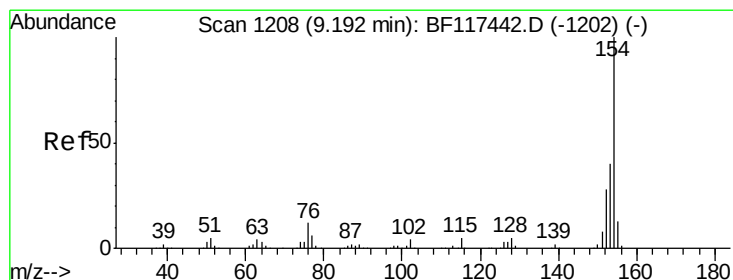
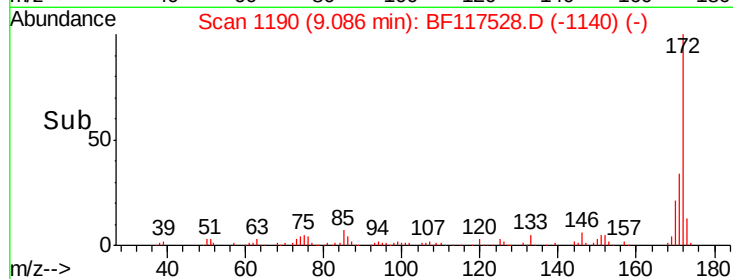
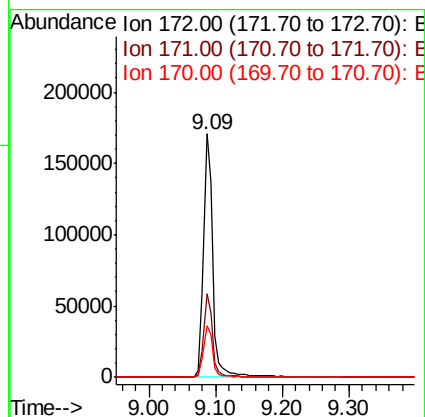
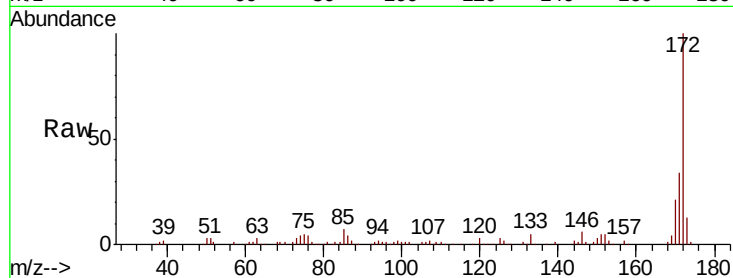




#45
2-Fluorobiphenyl
Concen: 21.416 ng
RT: 9.09 min Scan# 1190
Delta R.T. -0.01 min
Lab File: BF117528.D
Acq: 24 Oct 2019 23:19

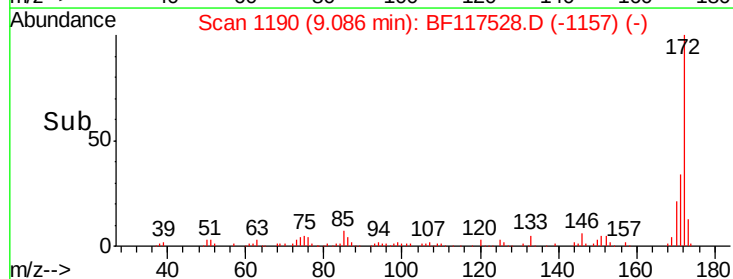
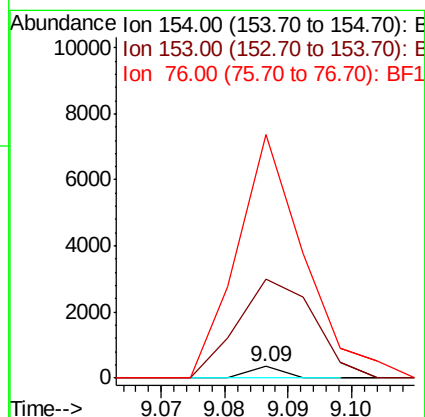
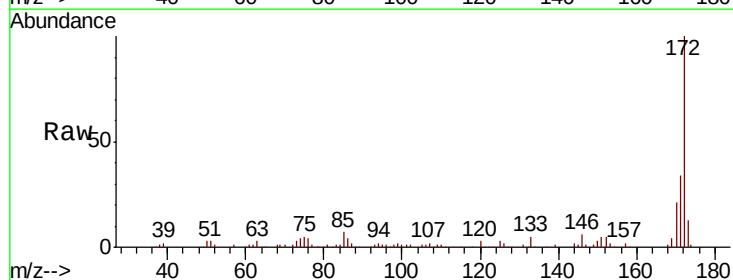
Instrument :
BNA_F
ClientSampleId :
166-42-(0-1)

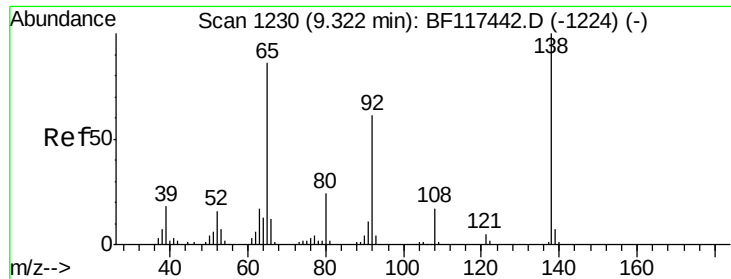
Tot Ion:172 Resp: 158068
Ion Ratio Lower Upper
172 100
171 34.3 27.5 41.3
170 21.4 18.6 27.8



#46
1,1'-Biphenyl
Concen: 0.014 ng
RT: 9.09 min Scan# 1190
Delta R.T. -0.11 min
Lab File: BF117528.D
Acq: 24 Oct 2019 23:19

Tgt Ion:154 Resp: 123
Ion Ratio Lower Upper
154 100
153 855.0 20.2 60.2#
76 2112.0 0.0 32.1#

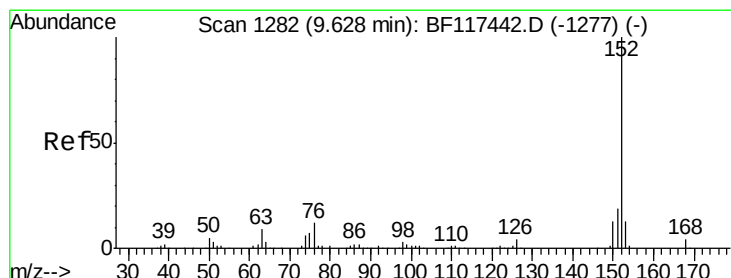
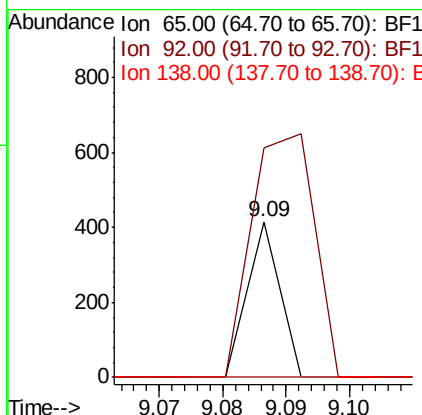
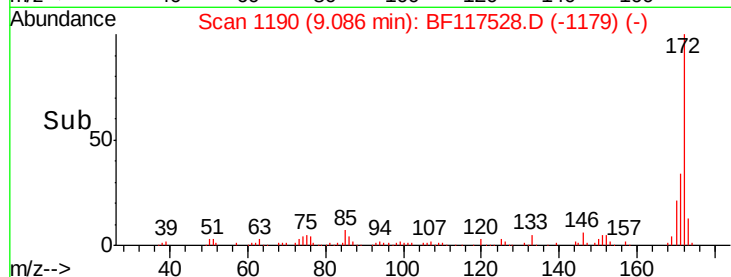
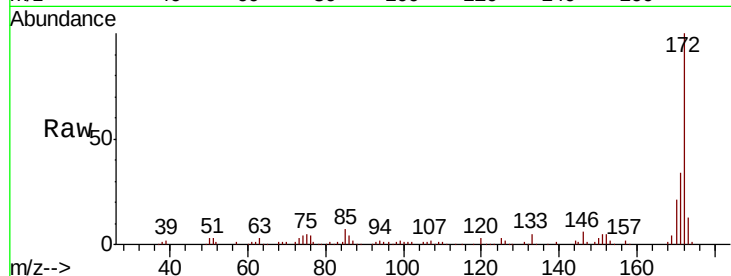




#48
 2-Nitroaniline
 Concen: 0.069 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.24 min
 Lab File: BF117528.D
 Acq: 24 Oct 2019 23:19

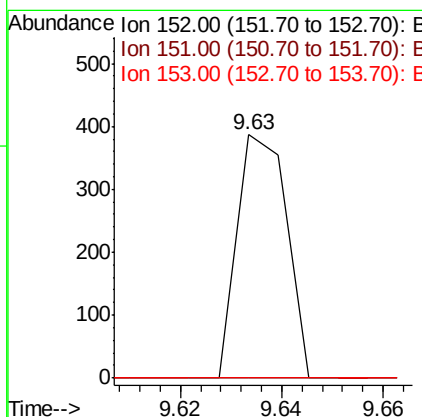
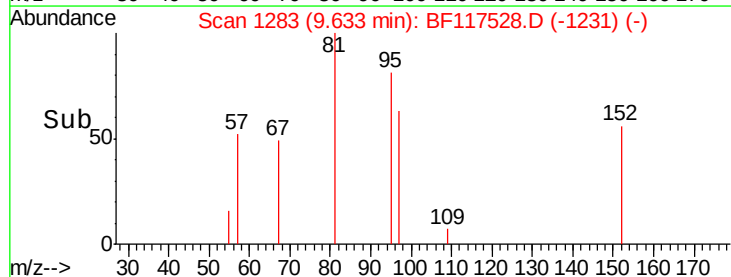
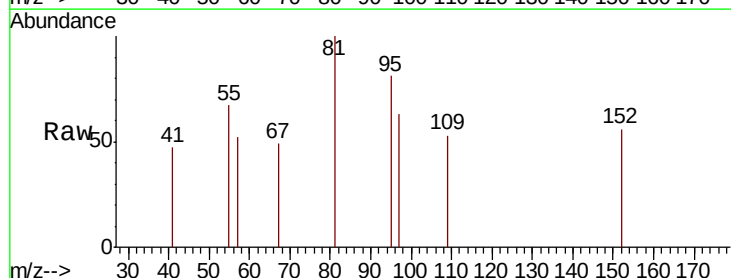
Instrument :
 BNA_F
 ClientSampleId :
 166-42-(0-1)

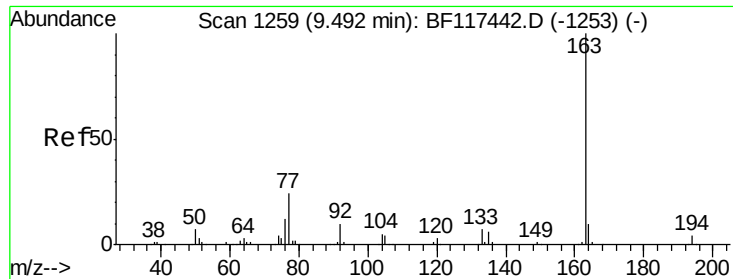
Tot Ion	Ratio	Lower	Upper
65	100		
92	147.5	57.3	85.9#
138	0.0	93.3	139.9#



#49
 Acenaphthylene
 Concen: 0.027 ng
 RT: 9.63 min Scan# 1283
 Delta R.T. 0.01 min
 Lab File: BF117528.D
 Acq: 24 Oct 2019 23:19

Tgt Ion	Ratio	Lower	Upper
152	100		
151	0.0	15.4	23.0#
153	0.0	10.3	15.5#

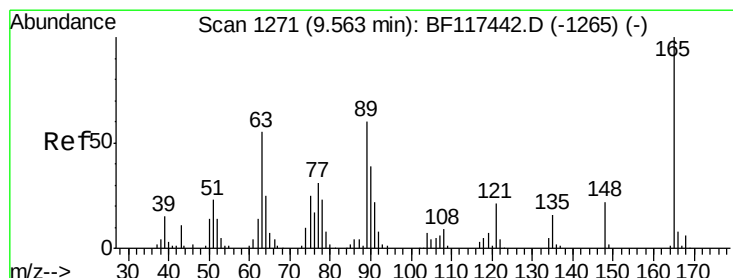
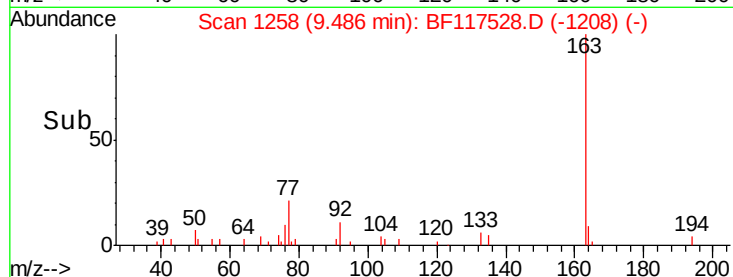
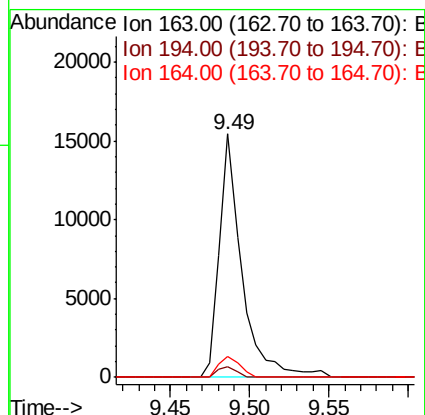
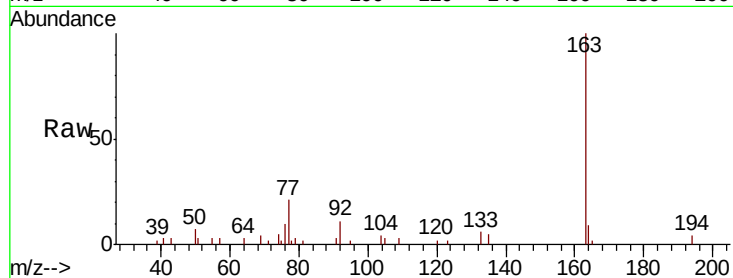




#50
Dimethylphthalate
Concen: 2.069 ng
RT: 9.49 min Scan# 1258
Delta R.T. -0.01 min
Lab File: BF117528.D
Acq: 24 Oct 2019 23:19

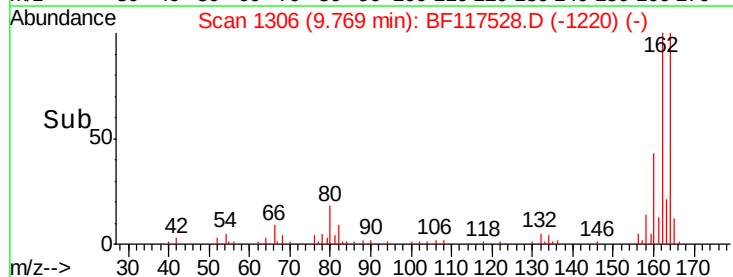
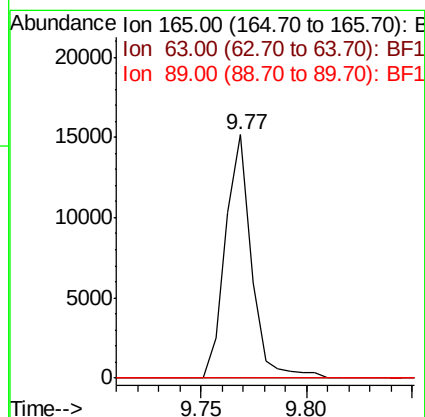
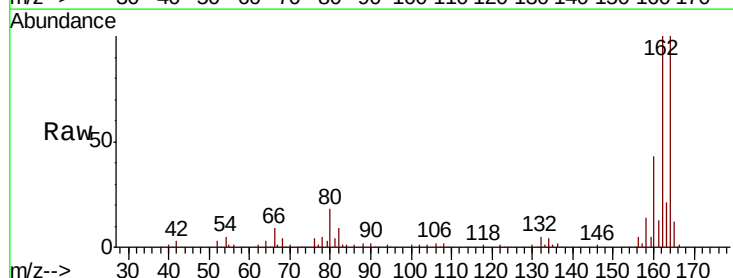
Instrument :
BNA_F
ClientSampleId :
166-42-(0-1)

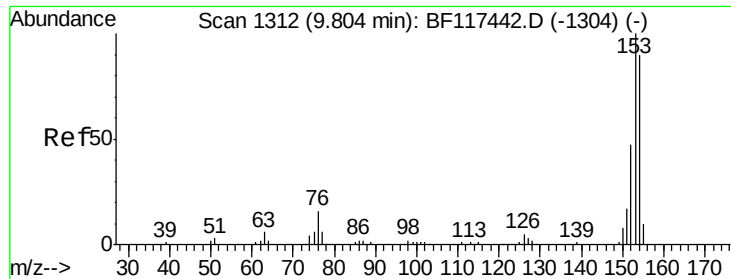
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.2	2.9	4.3
164	8.7	8.2	12.2



#51
2,6-Dinitrotoluene
Concen: 8.355 ng
RT: 9.77 min Scan# 1306
Delta R.T. 0.21 min
Lab File: BF117528.D
Acq: 24 Oct 2019 23:19

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





#52

Acenaphthene

Concen: 0.044 ng

RT: 9.77 min Scan# 1306

Delta R.T. -0.04 min

Lab File: BF117528.D

Acq: 24 Oct 2019 23:19

Instrument :

BNA_F

ClientSampled :

166-42-(0-1)

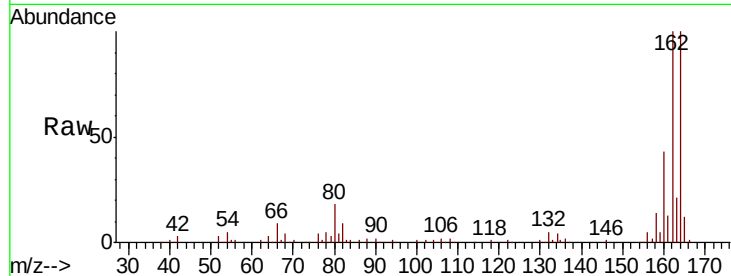
Tot Ion:154 Resp: 256

Ion Ratio Lower Upper

154 100

153 0.0 89.2 133.8#

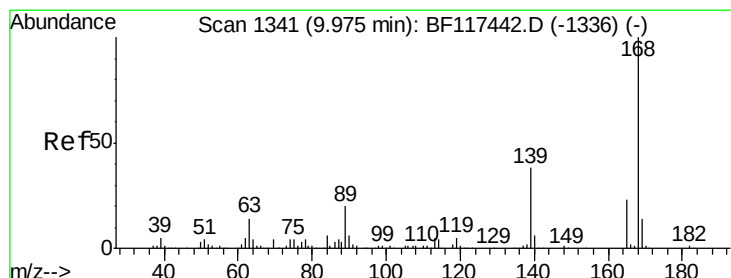
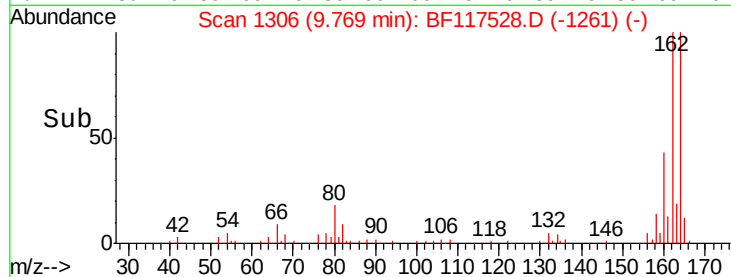
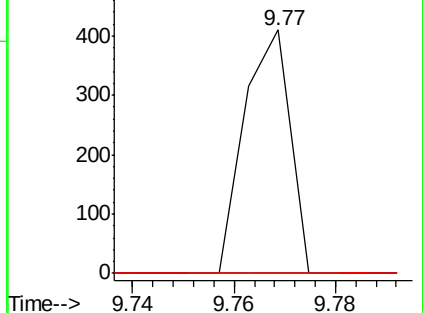
152 0.0 41.8 62.6#



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



#57

2,4-Dinitrotoluene

Concen: 6.284 ng

RT: 9.77 min Scan# 1306

Delta R.T. -0.21 min

Lab File: BF117528.D

Acq: 24 Oct 2019 23:19

Tgt Ion:165 Resp: 12926

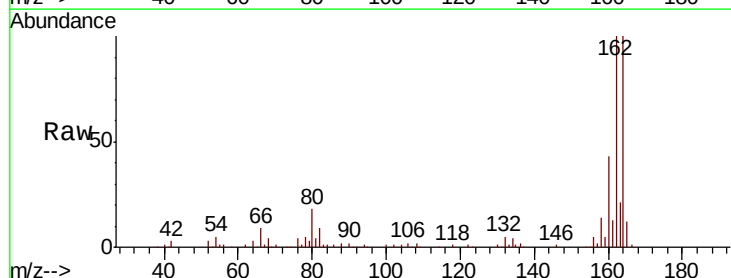
Ion Ratio Lower Upper

165 100

63 0.0 51.4 77.0#

89 0.0 69.9 104.9#

182 0.0 1.9 2.9#

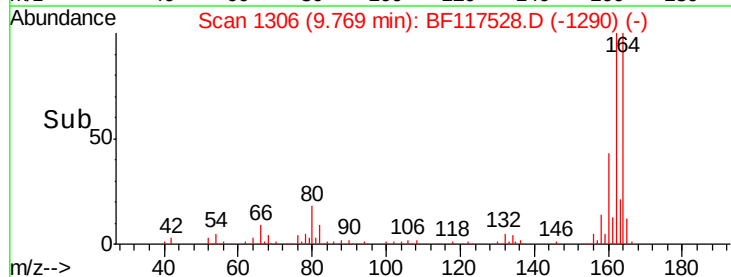
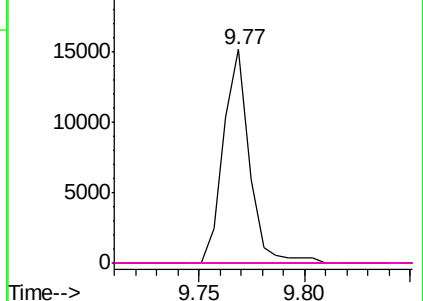


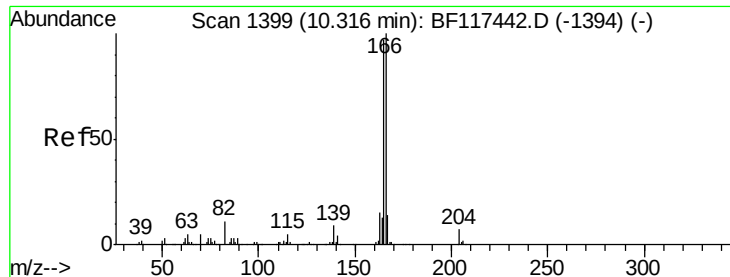
Abundance Ion 165.00 (164.70 to 165.70): E

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





#58

Fluorene

Concen: 0.161 ng

RT: 10.56 min Scan# 1441

Delta R.T. 0.25 min

Lab File: BF117528.D

Acq: 24 Oct 2019 23:19

Instrument :

BNA_F

ClientSampleId :

166-42-(0-1)

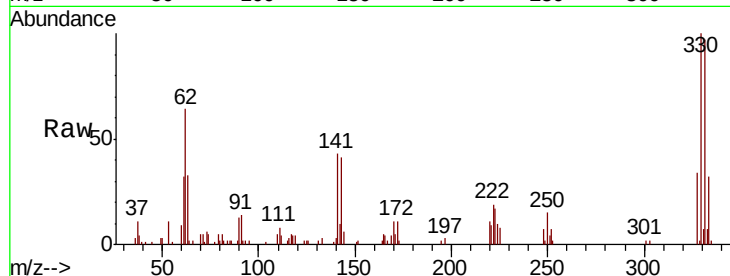
Tot Ion:166 Resp: 1129

Ion Ratio Lower Upper

166 100

165 226.3 77.6 116.4#

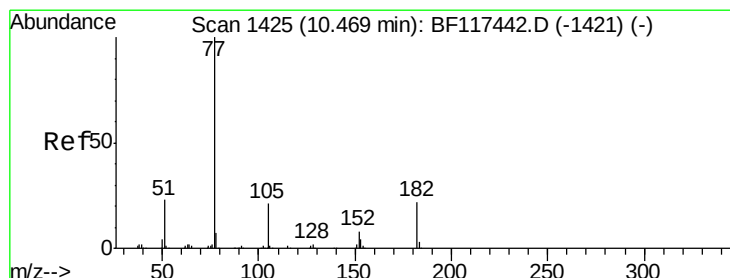
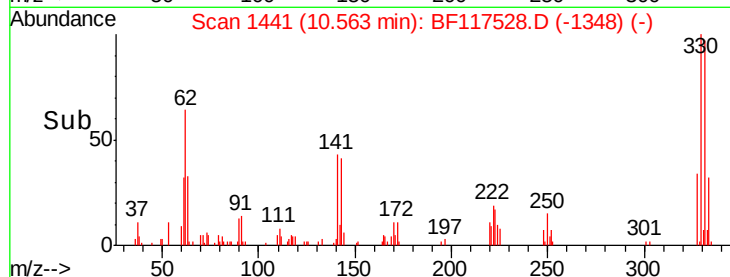
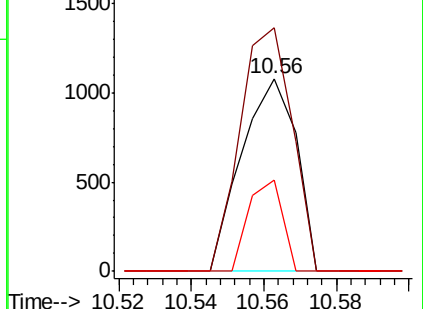
167 47.4 11.0 16.4#



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: 0.016 ng

RT: 10.56 min Scan# 1441

Delta R.T. 0.09 min

Lab File: BF117528.D

Acq: 24 Oct 2019 23:19

Tgt Ion: 77 Resp: 119

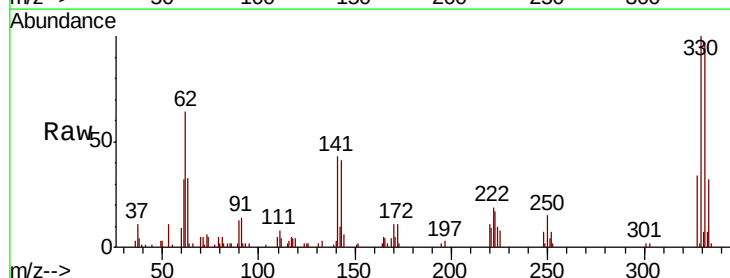
Ion Ratio Lower Upper

77 100

182 0.0 2.3 42.3#

105 0.0 1.3 41.3#

51 0.0 3.5 43.5#

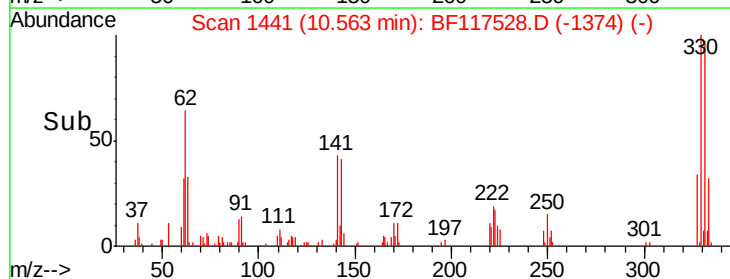
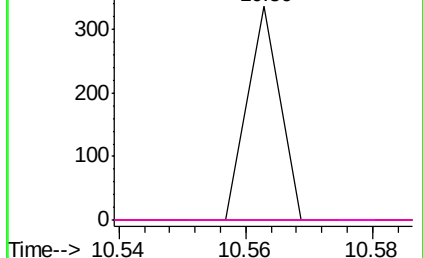


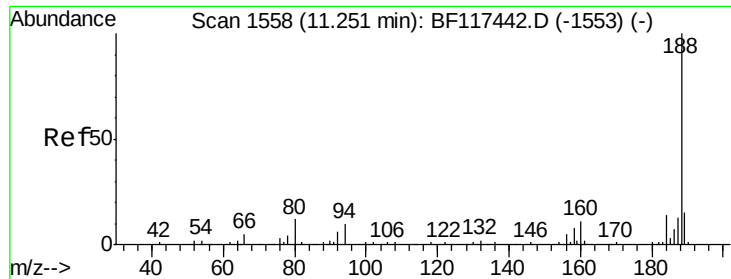
Abundance Ion 77.00 (76.70 to 77.70): BF1

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: 11.26 min Scan# 1559

Delta R.T. 0.01 min

Lab File: BF117528.D

Acq: 24 Oct 2019 23:19

Instrument :

BNA_F

ClientSampleId :

166-42-(0-1)

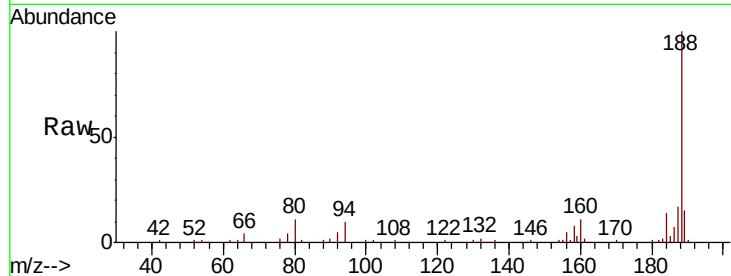
Tot Ion:188 Resp: 144304

Ion Ratio Lower Upper

188 100

94 10.0 8.0 12.0

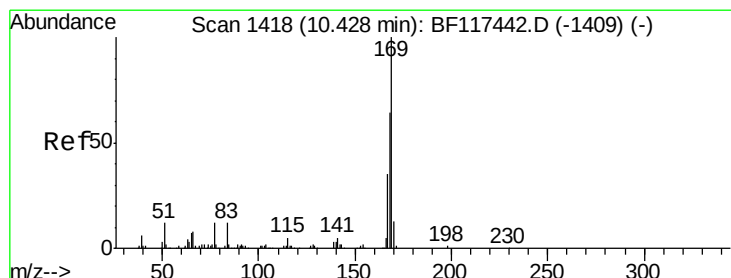
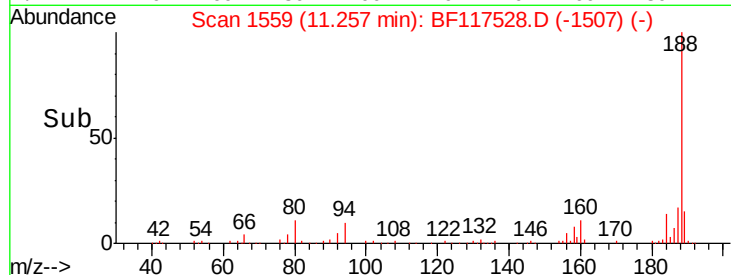
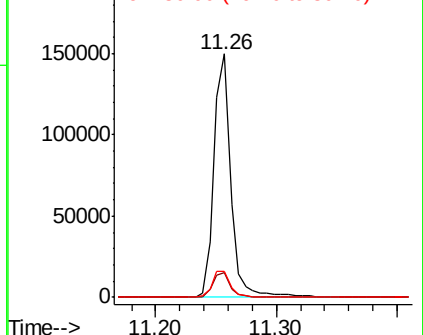
80 10.8 9.5 14.3



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: 0.162 ng

RT: 10.56 min Scan# 1441

Delta R.T. 0.14 min

Lab File: BF117528.D

Acq: 24 Oct 2019 23:19

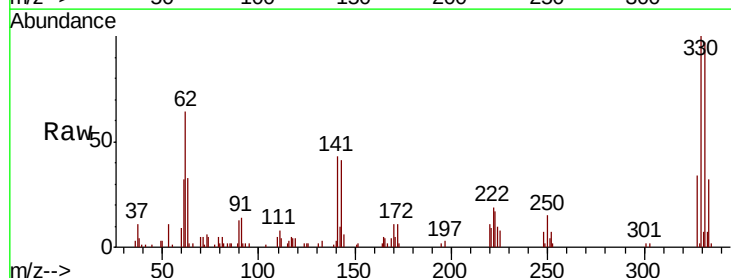
Tgt Ion:169 Resp: 855

Ion Ratio Lower Upper

169 100

168 0.0 51.3 76.9#

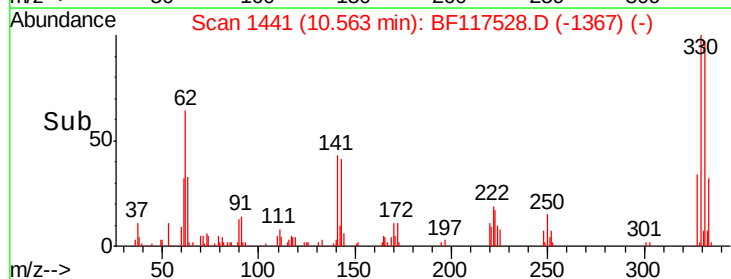
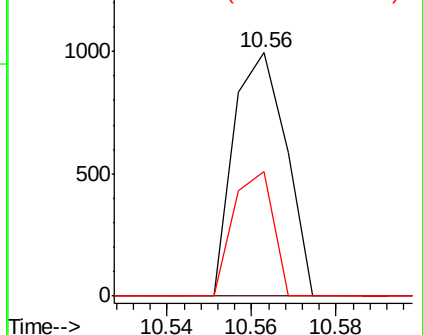
167 51.4 28.2 42.4#

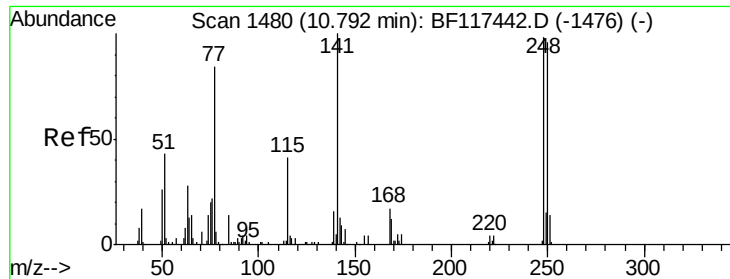


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

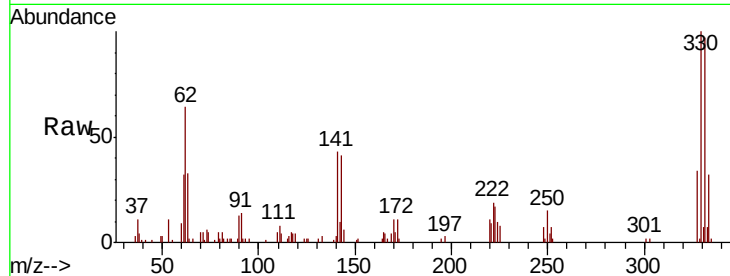




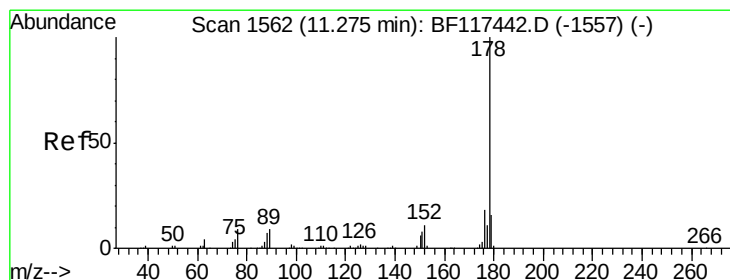
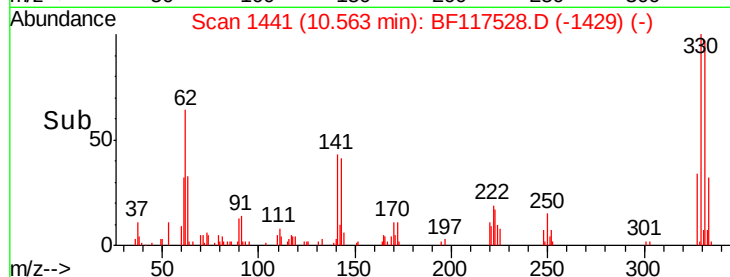
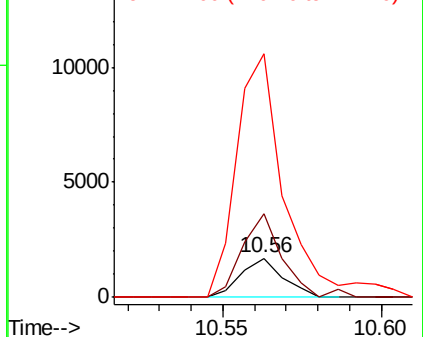
#67
 4-Bromophenyl-phenylether
 Concen: 1.016 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. -0.23 min
 Lab File: BF117528.D
 Acq: 24 Oct 2019 23:19

Instrument :
 BNA_F
 ClientSampleId :
 166-42-(0-1)

Tot Ion:248 Resp: 1579
 Ion Ratio Lower Upper
 248 100
 250 213.9 78.0 117.0#
 141 622.9 81.7 122.5#

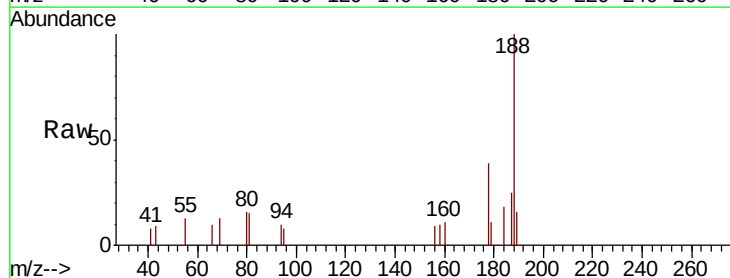


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

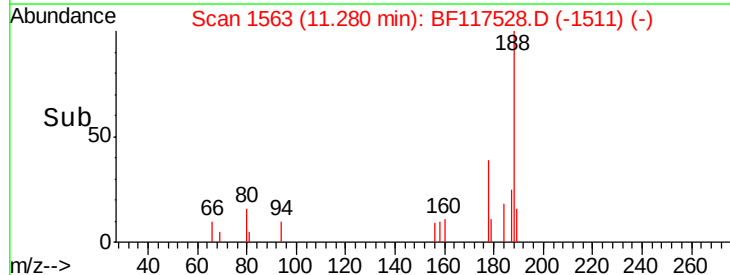
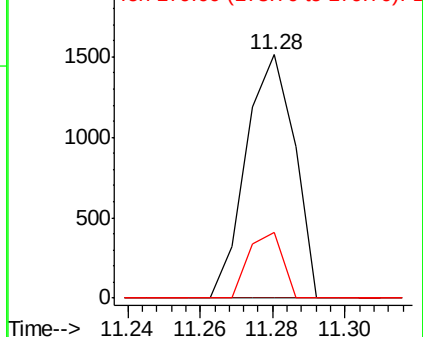


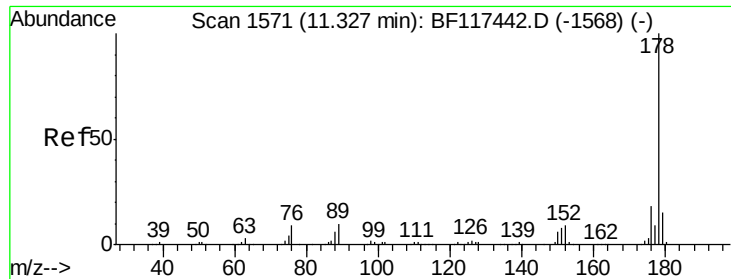
#71
 Phenanthrene
 Concen: 0.167 ng
 RT: 11.28 min Scan# 1563
 Delta R.T. 0.01 min
 Lab File: BF117528.D
 Acq: 24 Oct 2019 23:19

Tgt Ion:178 Resp: 1402
 Ion Ratio Lower Upper
 178 100
 176 0.0 14.6 22.0#
 179 27.0 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: 0.029 ng

RT: 11.34 min Scan# 1573

Delta R.T. 0.01 min

Lab File: BF117528.D

Acq: 24 Oct 2019 23:19

Instrument :

BNA_F

ClientSampleId :

166-42-(0-1)

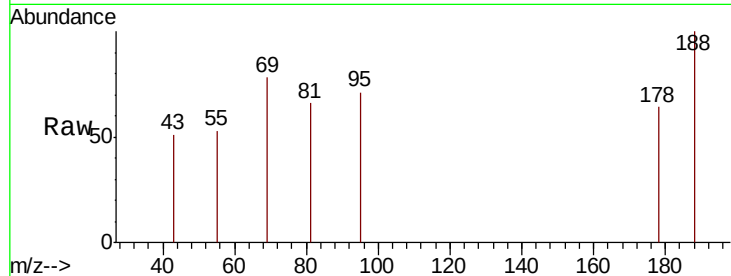
Tot Ion:178 Resp: 248

Ion Ratio Lower Upper

178 100

176 0.0 14.7 22.1#

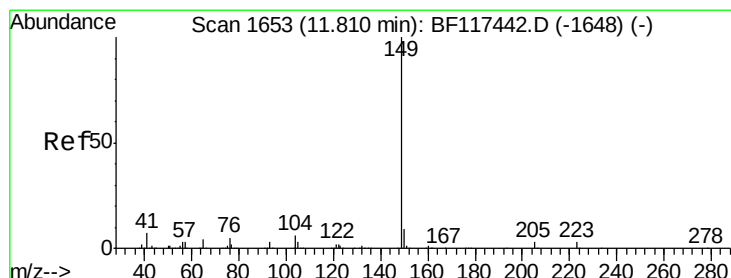
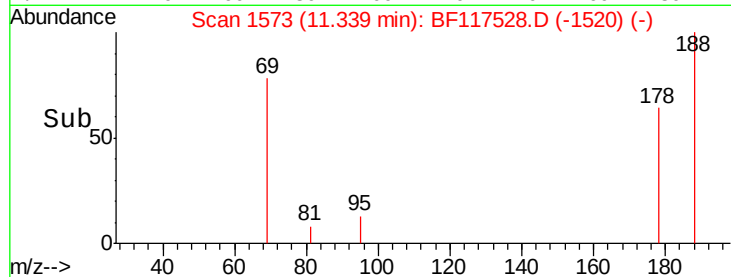
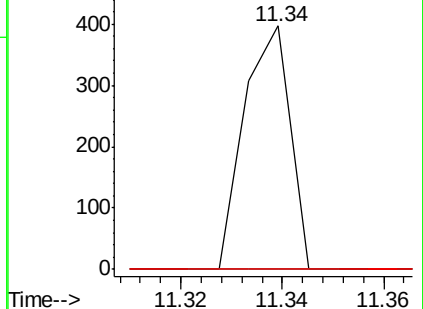
179 0.0 12.2 18.2#



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



#74

Di-n-butylphthalate

Concen: 0.034 ng

RT: 11.81 min Scan# 1653

Delta R.T. -0.00 min

Lab File: BF117528.D

Acq: 24 Oct 2019 23:19

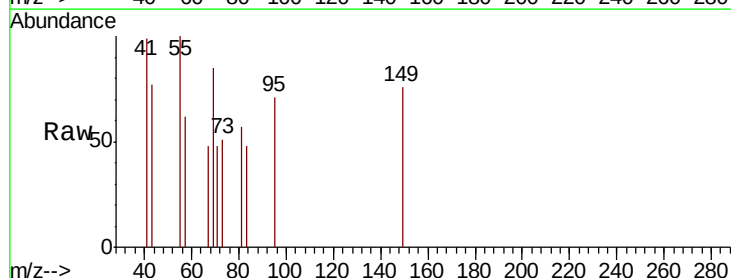
Tgt Ion:149 Resp: 352

Ion Ratio Lower Upper

149 100

150 0.0 7.5 11.3#

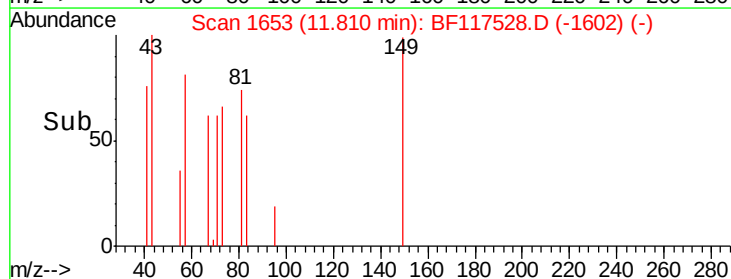
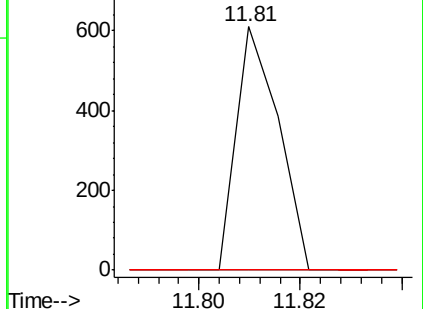
104 0.0 4.6 6.8#

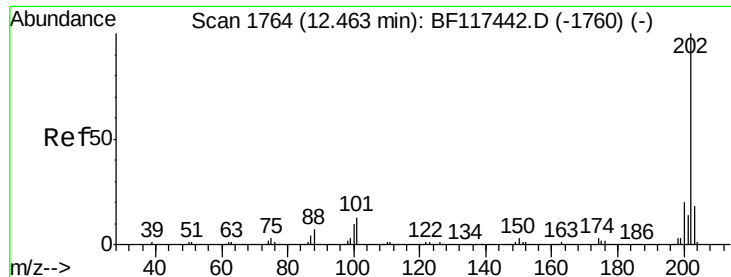


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 0.452 ng

RT: 12.47 min Scan# 1766

Delta R.T. 0.01 min

Lab File: BF117528.D

Acq: 24 Oct 2019 23:19

Instrument :

BNA_F

ClientSampleId :

166-42-(0-1)

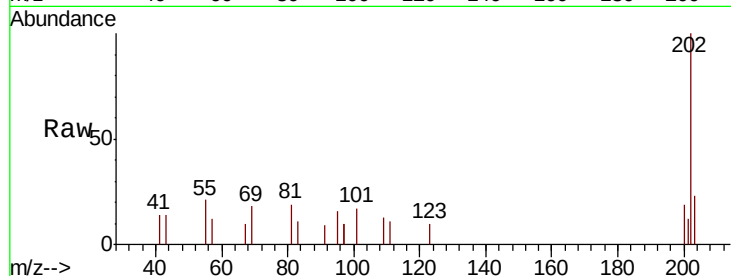
Tot Ion:202 Resp: 3789

Ion Ratio Lower Upper

202 100

101 17.2 0.0 32.7

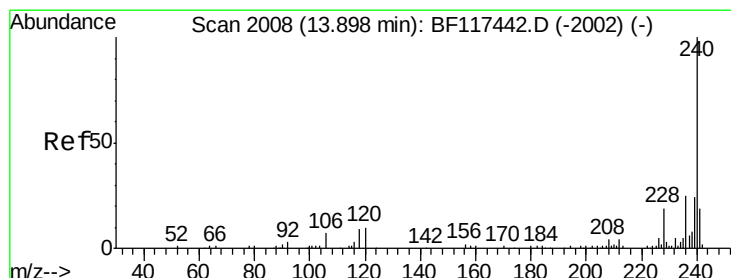
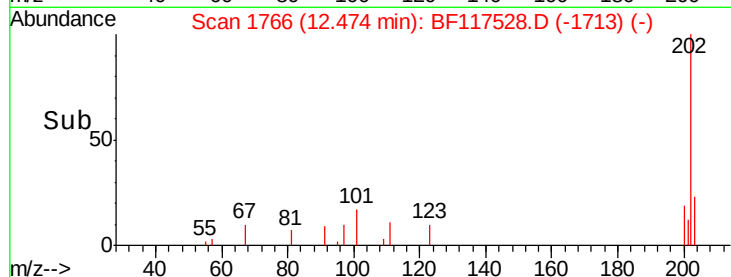
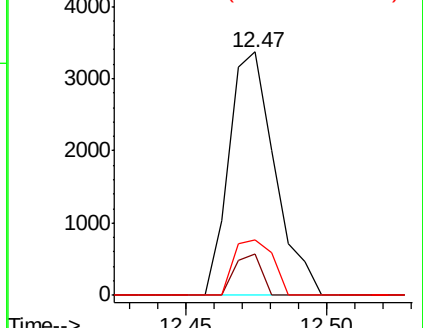
203 22.8 0.0 37.6



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: BF117528.D

Acq: 24 Oct 2019 23:19

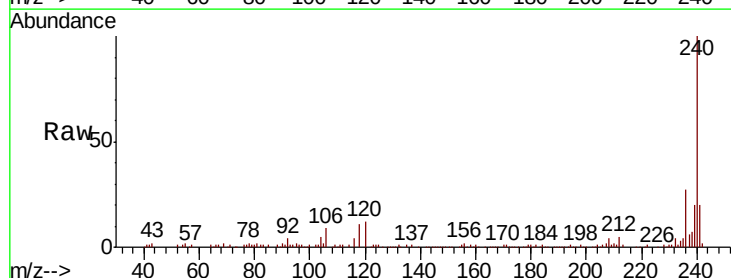
Tgt Ion:240 Resp: 103539

Ion Ratio Lower Upper

240 100

120 11.6 8.4 12.6

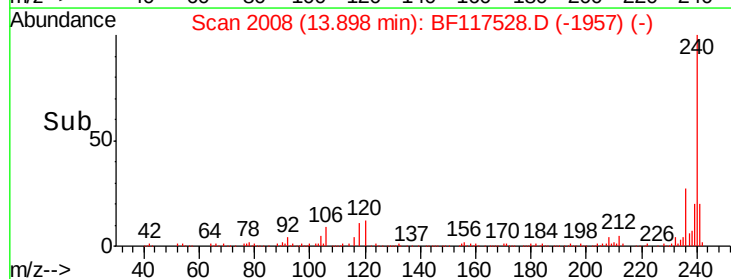
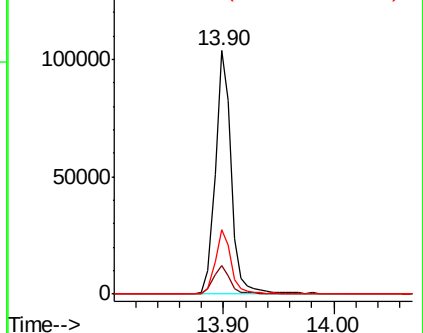
236 26.5 20.0 30.0

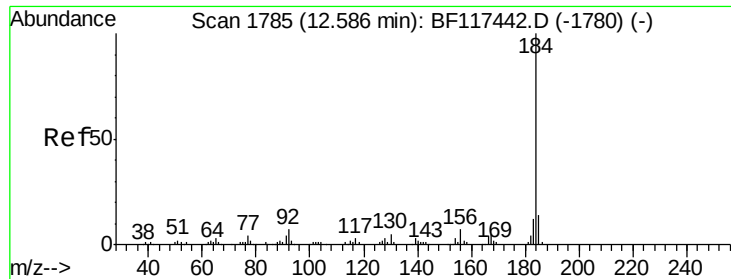


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: Below Cal

RT: 12.83 min Scan# 1827

Delta R.T. 0.25 min

Lab File: BF117528.D

Acq: 24 Oct 2019 23:19

Instrument :

BNA_F

ClientSampleId :

166-42-(0-1)

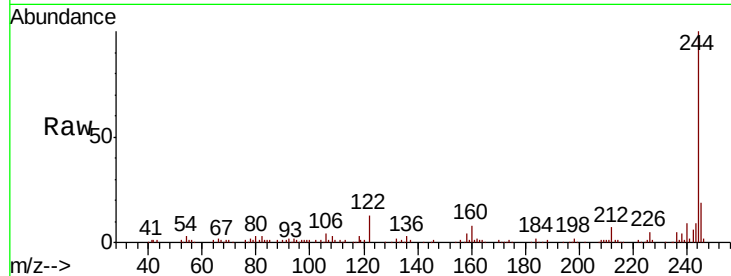
Tot Ion:184 Resp: 1476

Ion Ratio Lower Upper

184 100

185 18.1 11.4 17.0#

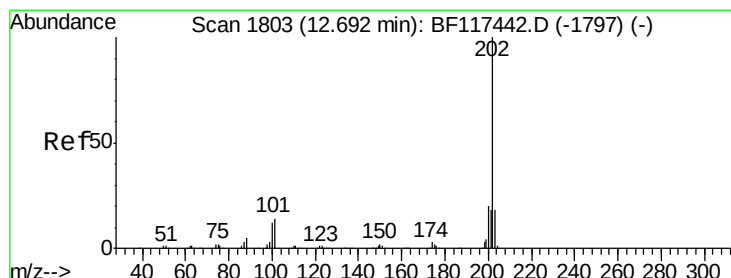
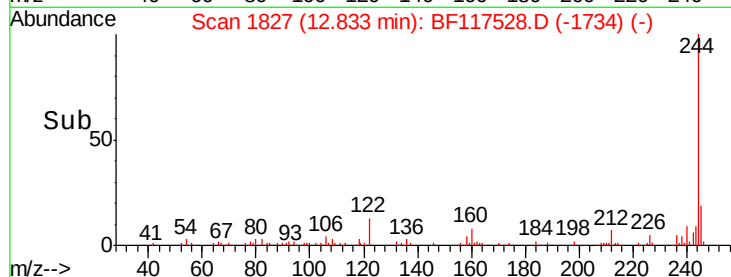
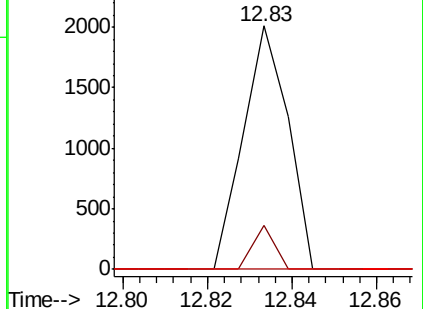
183 0.0 9.6 14.4#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 0.376 ng

RT: 12.70 min Scan# 1805

Delta R.T. 0.01 min

Lab File: BF117528.D

Acq: 24 Oct 2019 23:19

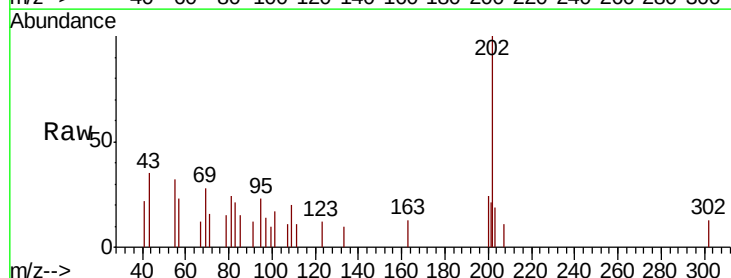
Tgt Ion:202 Resp: 3342

Ion Ratio Lower Upper

202 100

200 24.0 16.2 24.2

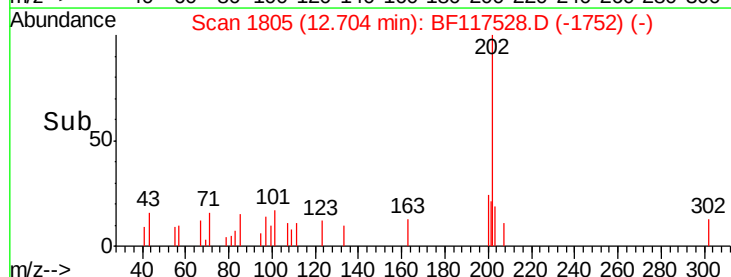
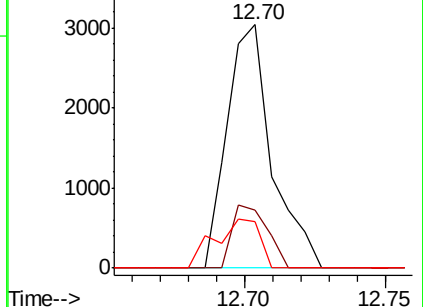
203 19.3 14.0 21.0

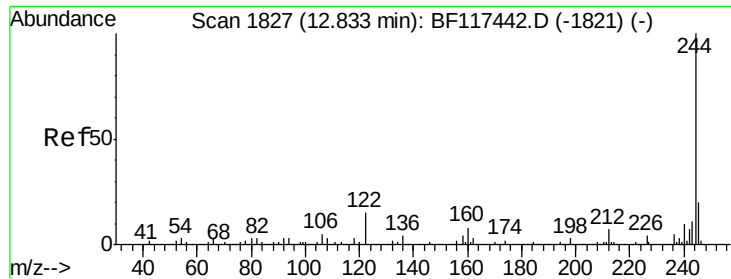


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

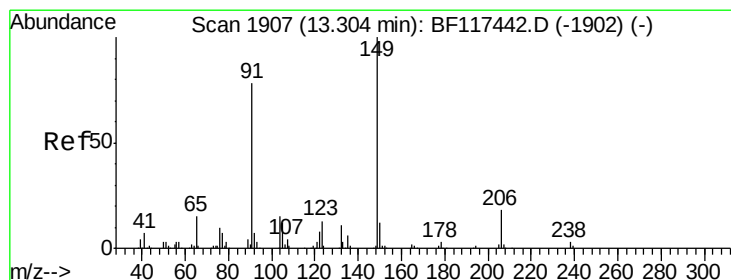
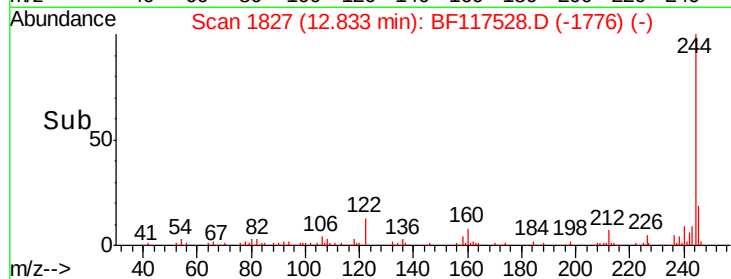
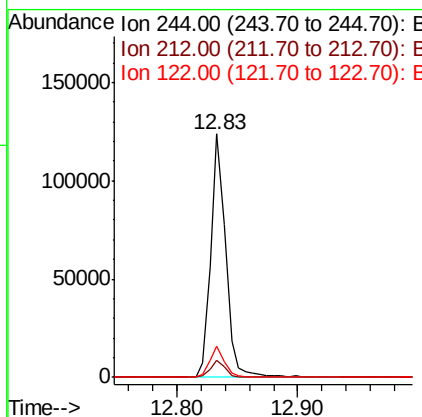
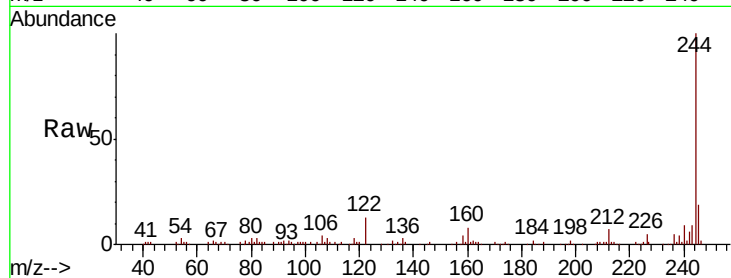




#79
 Terphenyl-d14
 Concen: 16.681 ng
 RT: 12.83 min Scan# 1827
 Delta R.T. -0.00 min
 Lab File: BF117528.D
 Acq: 24 Oct 2019 23:19

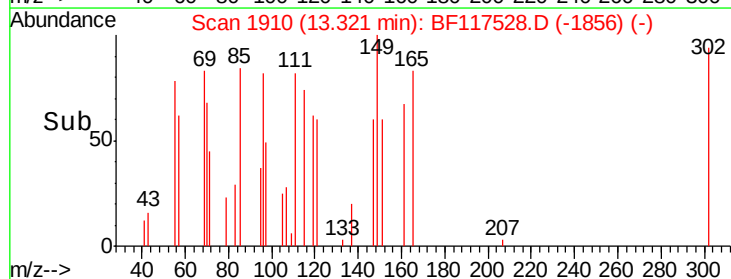
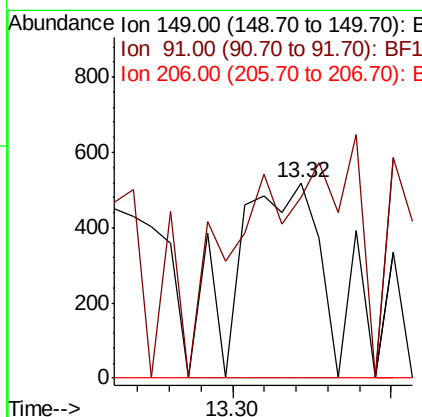
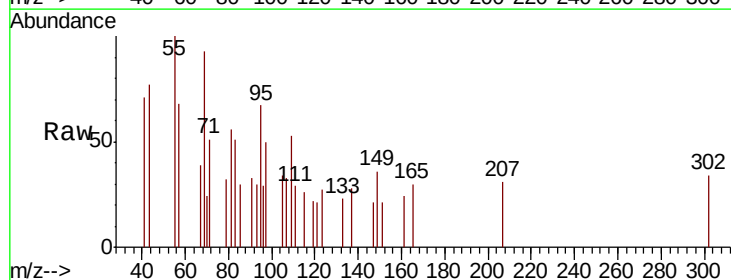
Instrument :
 BNA_F
 ClientSampleId :
 166-42-(0-1)

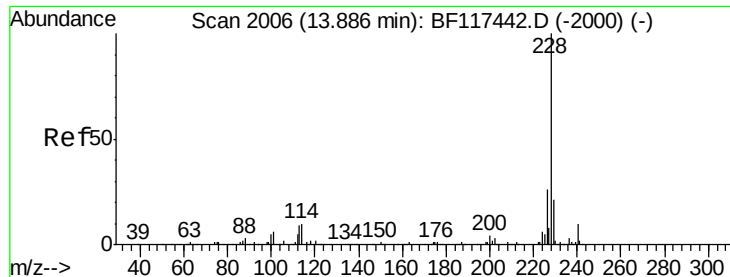
Tot Ion:244 Resp: 105888
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.8 8.6
 122 12.9 11.8 17.8



#80
 Butylbenzylphthalate
 Concen: 0.212 ng
 RT: 13.32 min Scan# 1910
 Delta R.T. 0.02 min
 Lab File: BF117528.D
 Acq: 24 Oct 2019 23:19

Tgt Ion:149 Resp: 940
 Ion Ratio Lower Upper
 149 100
 91 92.7 62.1 93.1
 206 0.0 14.3 21.5#





#81

Benzo(a)anthracene

Concen: 0.322 ng

RT: 13.89 min Scan# 2006

Delta R.T. -0.00 min

Lab File: BF117528.D

Acq: 24 Oct 2019 23:19

Instrument :

BNA_F

ClientSampleId :

166-42-(0-1)

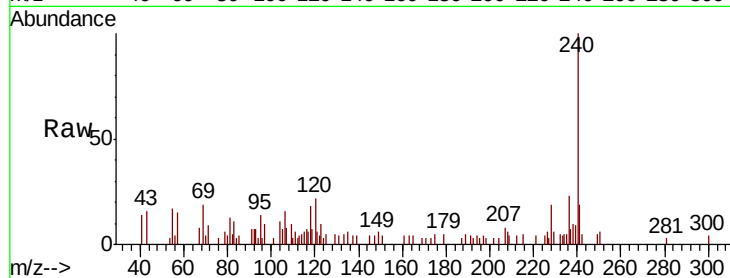
Tot Ion:228 Resp: 2252

Ion Ratio Lower Upper

228 100

226 31.5 21.0 31.4#

229 33.3 16.4 24.6#

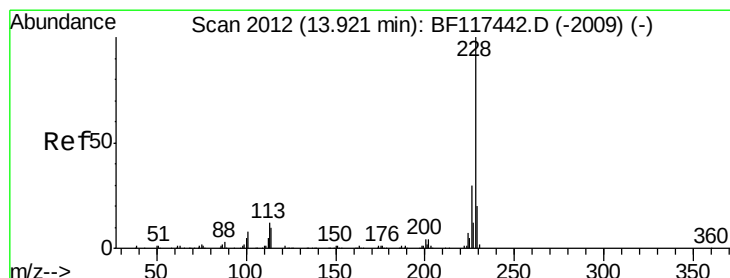
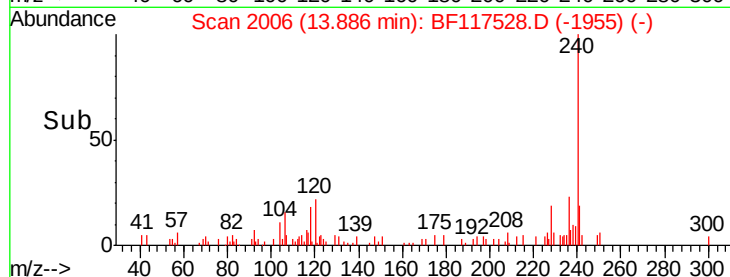
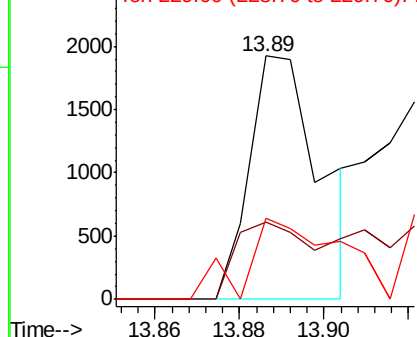


Abundance

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



#83

Chrysene

Concen: 0.370 ng

RT: 13.93 min Scan# 2013

Delta R.T. 0.01 min

Lab File: BF117528.D

Acq: 24 Oct 2019 23:19

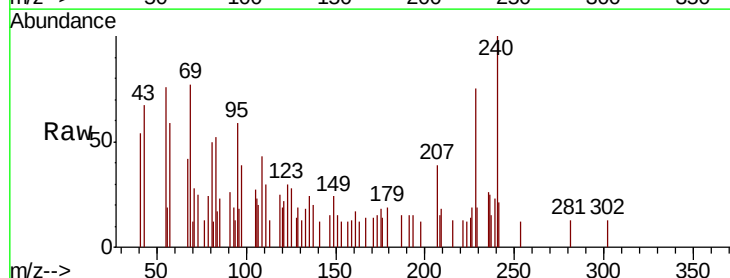
Tgt Ion:228 Resp: 2535

Ion Ratio Lower Upper

228 100

226 25.4 23.9 35.9

229 24.8 15.8 23.6#

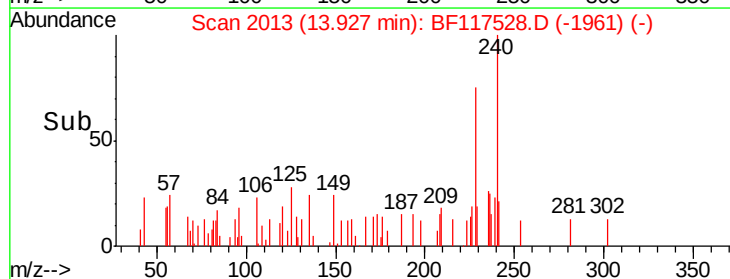
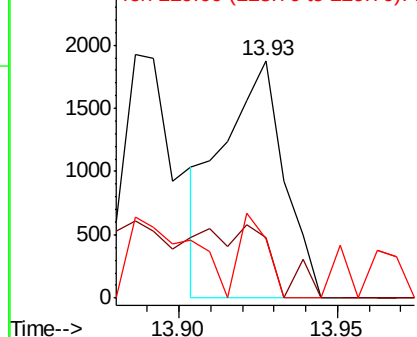


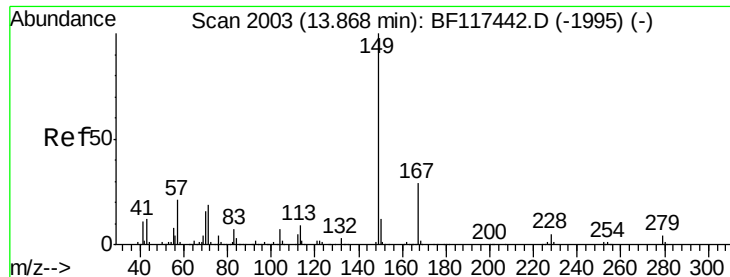
Abundance

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: 0.169 ng

RT: 13.87 min Scan# 2004

Delta R.T. 0.01 min

Lab File: BF117528.D

Acq: 24 Oct 2019 23:19

Instrument :

BNA_F

ClientSampleId :

166-42-(0-1)

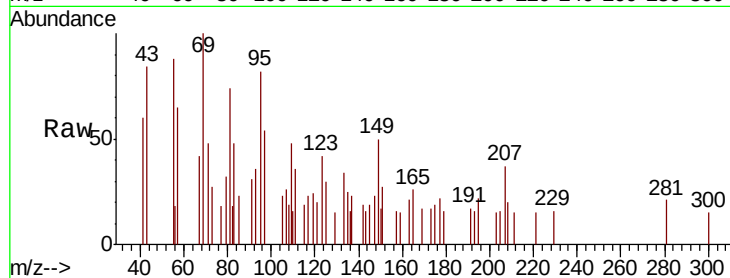
Tot Ion:149 Resp: 1045

Ion Ratio Lower Upper

149 100

167 0.0 23.3 34.9#

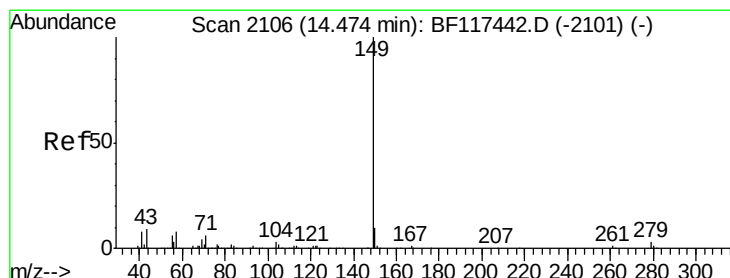
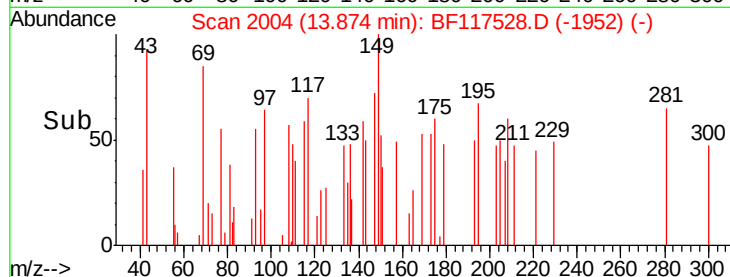
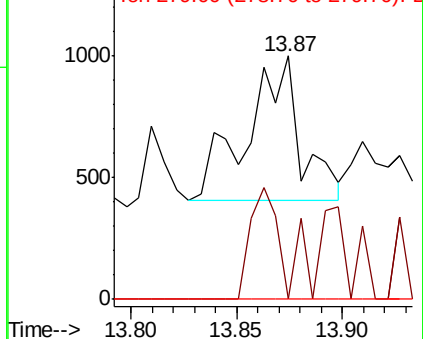
279 0.0 3.2 4.8#



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: 0.018 ng

RT: 14.46 min Scan# 2104

Delta R.T. -0.01 min

Lab File: BF117528.D

Acq: 24 Oct 2019 23:19

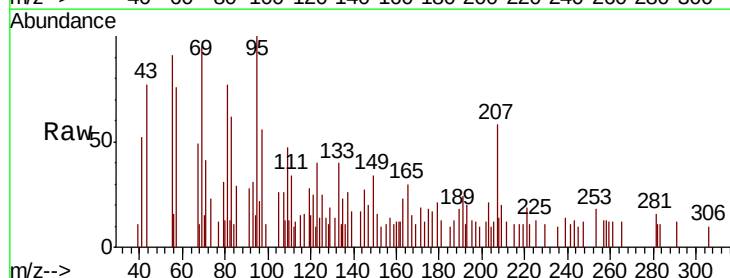
Tgt Ion:149 Resp: 167

Ion Ratio Lower Upper

149 100

167 473.7 1.2 1.8#

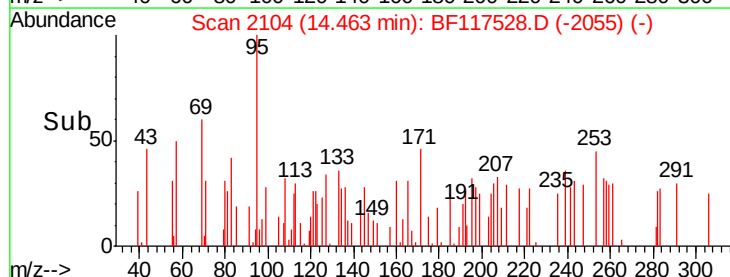
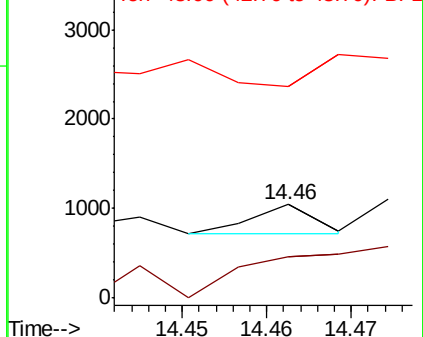
43 224.0 6.8 10.2#

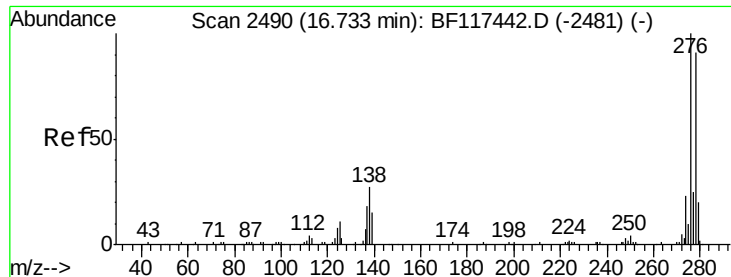


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1

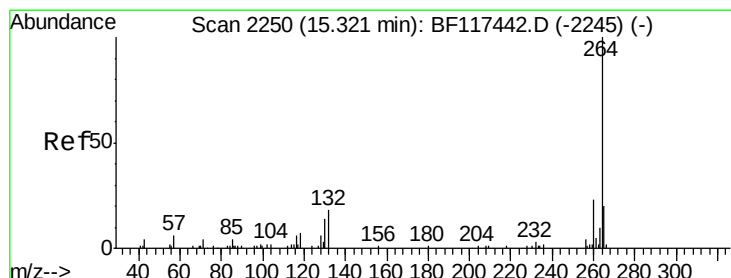
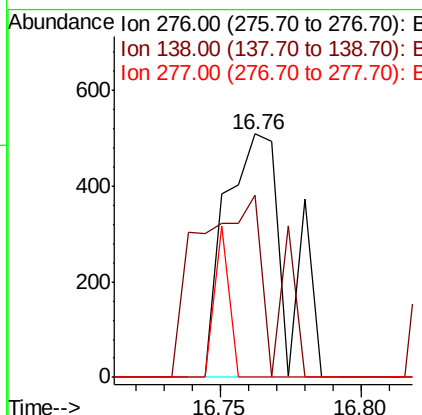
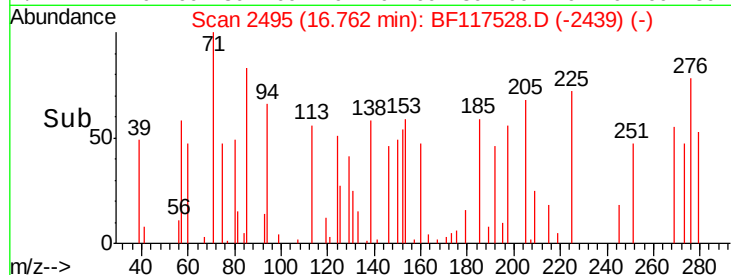
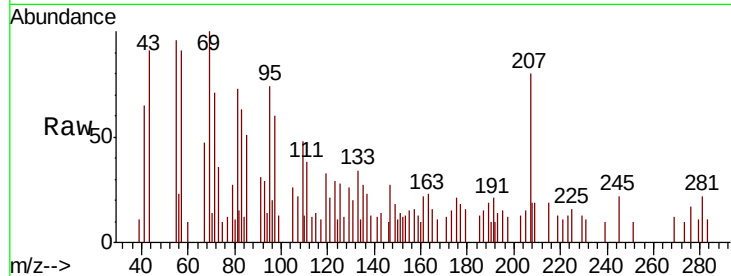




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 0.149 ng
 RT: 16.76 min Scan# 2495
 Delta R.T. 0.03 min
 Lab File: BF117528.D
 Acq: 24 Oct 2019 23:19

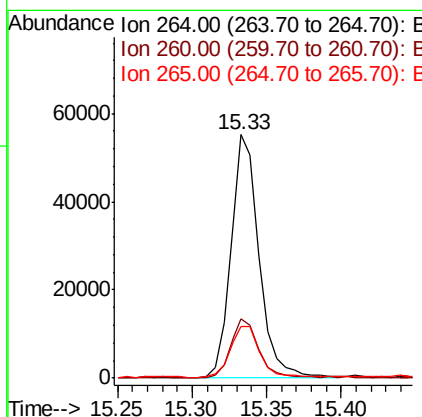
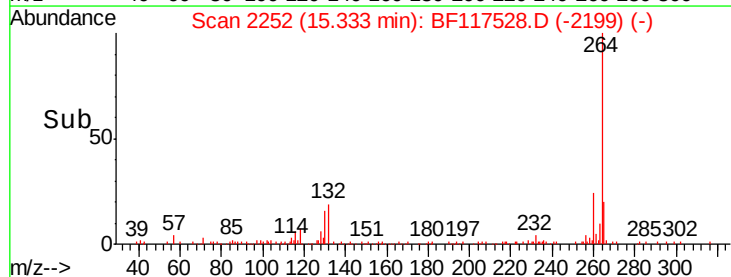
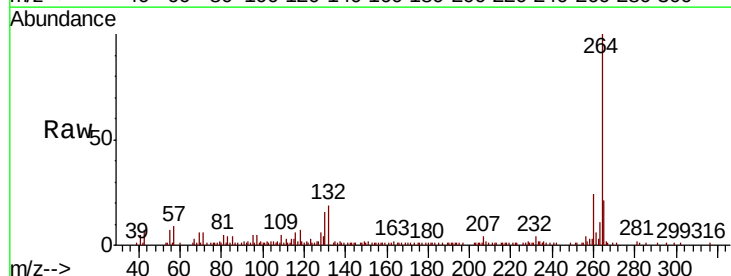
Instrument :
 BNA_F
 ClientSampleId :
 166-42-(0-1)

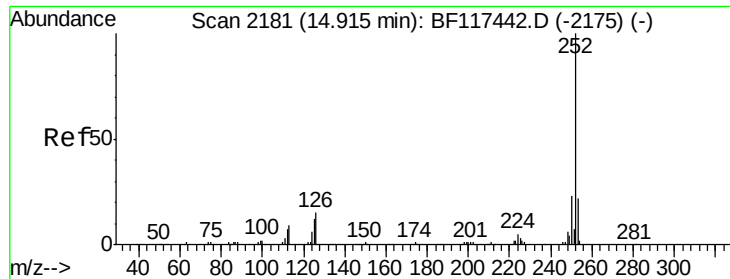
Tot Ion	Ratio	Lower	Upper
276	100		
138	89.9	21.8	32.8#
277	14.7	20.0	30.0#



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.33 min Scan# 2252
 Delta R.T. 0.01 min
 Lab File: BF117528.D
 Acq: 24 Oct 2019 23:19

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	18.4	27.6
265	21.0	16.1	24.1





#88

Benzo(b)fluoranthene

Concen: 0.790 ng

RT: 14.93 min Scan# 2184

Delta R.T. 0.02 min

Lab File: BF117528.D

Acq: 24 Oct 2019 23:19

Instrument :

BNA_F

ClientSampleId :

166-42-(0-1)

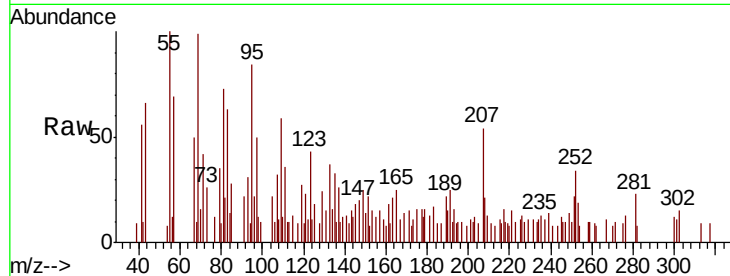
Tot Ion:252 Resp: 3400

Ion Ratio Lower Upper

252 100

253 57.6 17.8 26.6#

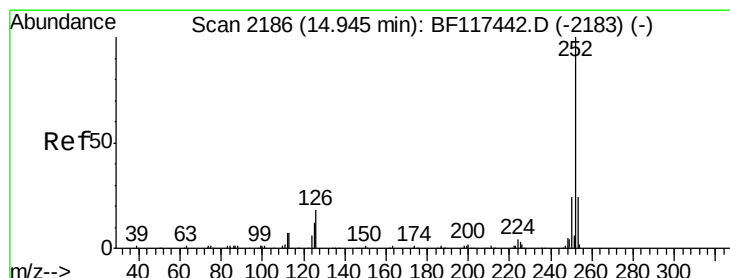
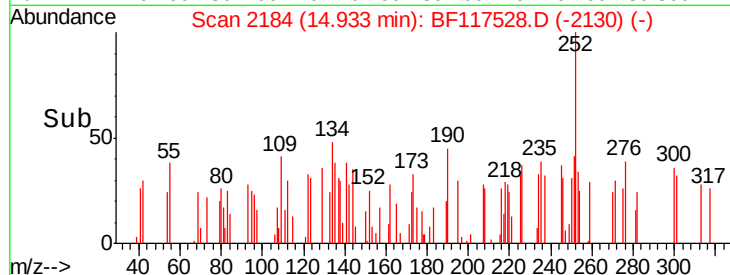
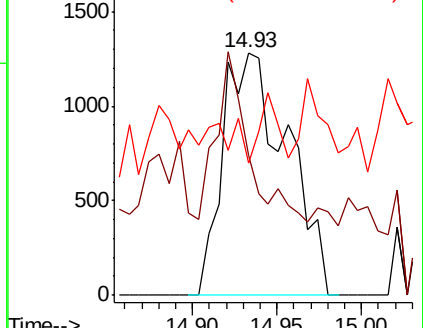
125 54.5 9.9 14.9#



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: 0.771 ng

RT: 14.93 min Scan# 2184

Delta R.T. -0.01 min

Lab File: BF117528.D

Acq: 24 Oct 2019 23:19

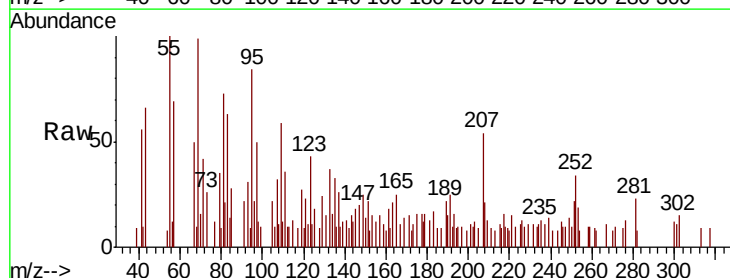
Tgt Ion:252 Resp: 3400

Ion Ratio Lower Upper

252 100

253 57.6 18.0 27.0#

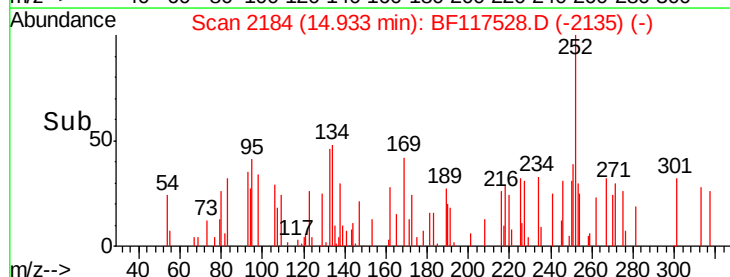
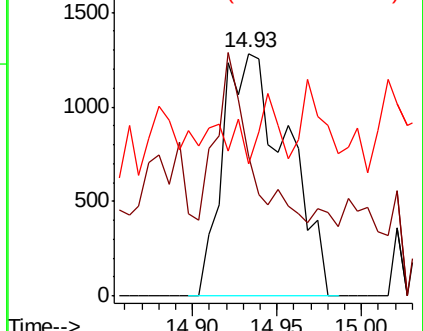
125 54.5 8.9 13.3#

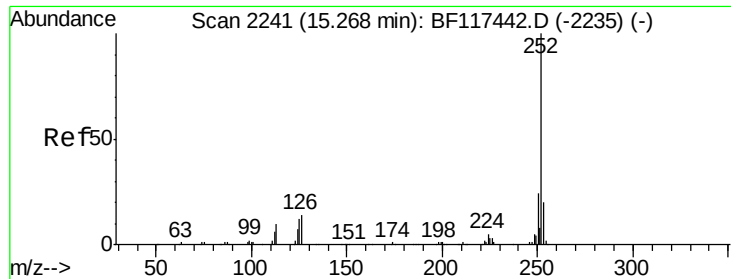


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

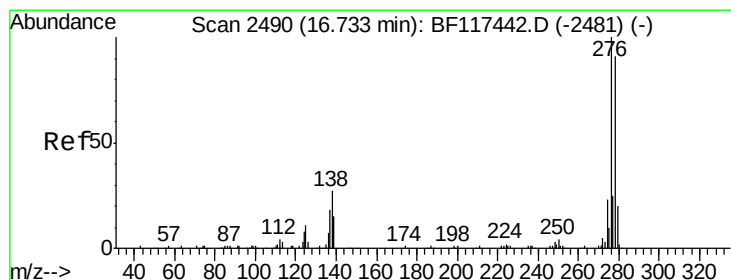
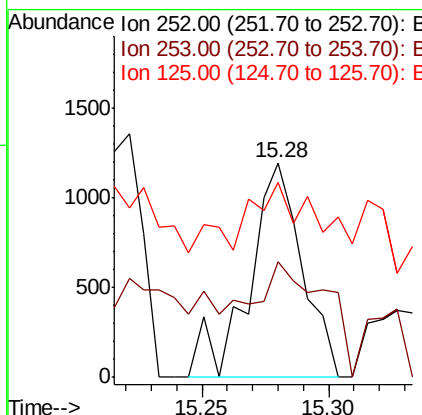
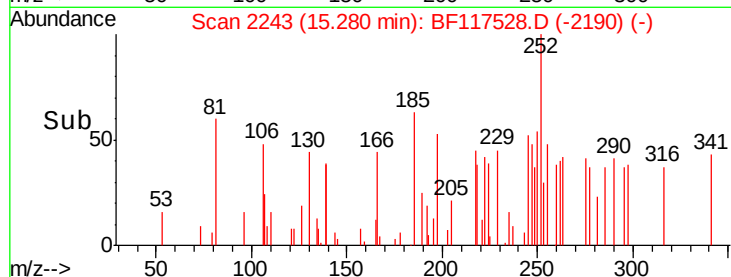
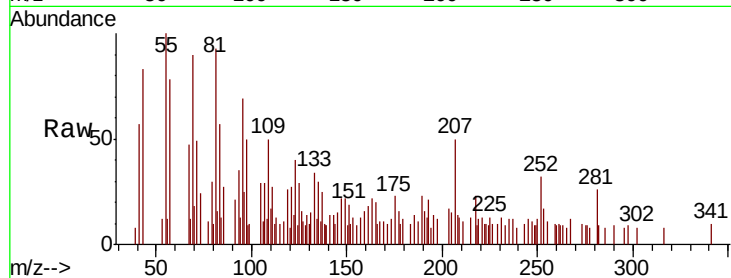




#90
Benzo(a)pyrene
Concen: 0.445 ng
RT: 15.28 min Scan# 2243
Delta R.T. 0.01 min
Lab File: BF117528.D
Acq: 24 Oct 2019 23:19

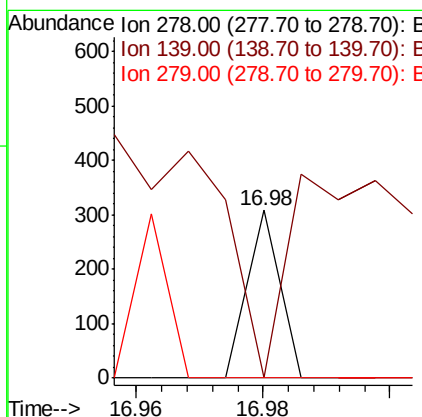
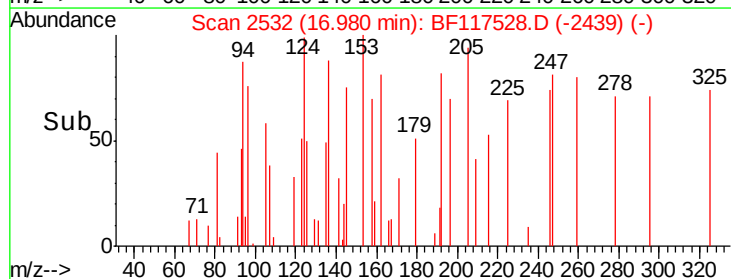
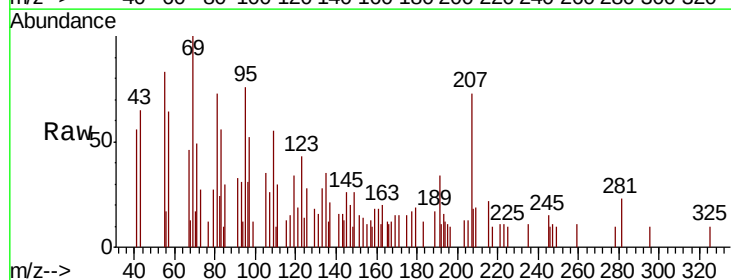
Instrument :
BNA_F
ClientSampleId :
166-42-(0-1)

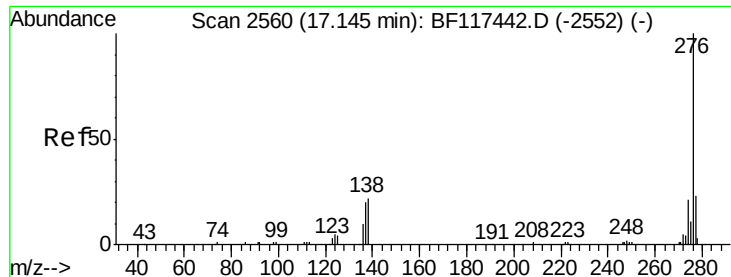
Tot Ion:252 Resp: 1741
Ion Ratio Lower Upper
252 100
253 53.9 16.3 24.5#
125 91.0 9.2 13.8#



#91
Dibenzo(a,h)anthracene
Concen: 0.032 ng
RT: 16.98 min Scan# 2532
Delta R.T. 0.25 min
Lab File: BF117528.D
Acq: 24 Oct 2019 23:19

Tgt Ion:278 Resp: 109
Ion Ratio Lower Upper
278 100
139 0.0 13.4 20.0#
279 0.0 17.8 26.6#





#92

Benzo(a,h,i)perylene

Concen: 0.352 ng

RT: 17.19 min Scan# 2568

Delta R.T. 0.05 min

Lab File: BF117528.D

Acq: 24 Oct 2019 23:19

Instrument :

BNA_F

ClientSampleId :

166-42-(0-1)

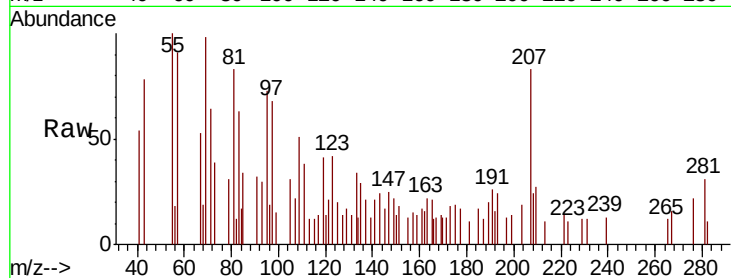
Tot Ion: 276 Resp: 1126

Ion Ratio Lower Upper

276 100

277 0.0 18.4 27.6#

138 0.0 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

