

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\
 Data File : BF117520.D
 Acq On : 24 Oct 2019 19:46
 Operator : JU
 Sample : K5148-09 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-102319

Quant Time: Oct 25 01:06:23 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	48712	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	198769	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	97304	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	140522	20.00	ng	0.00
76) Chrysene-d12	13.89	240	91746	20.00	ng	0.00
87) Perylene-d12	15.33	264	93341	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.36	112	153533	46.89	ng	0.00
7) Phenol-d6	6.39	99	211856	48.17	ng	0.00
23) Nitrobenzene-d5	7.30	82	125409	31.15	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	33976	40.35	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	214957	31.13	ng	0.00
79) Terphenyl-d14	12.83	244	141754	25.20	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.15	88	133	0.097	ng	# 29
6) Aniline	6.50	93	223	0.043	ng	# 1
9) Benzaldehyde	6.51	77	3930	Below	Cal	85
10) Phenol	6.40	94	4241	0.945	ng	# 63
11) bis(2-Chloroethyl)ether	6.50	93	223	0.067	ng	# 1
15) Benzyl Alcohol	6.89	79	1937	0.616	ng	# 56
19) n-Nitroso-di-n-propylamine	7.30	70	16011	5.961	ng	# 74
24) Nitrobenzene	7.30	77	115	0.030	ng	# 41
25) Isophorone	7.30	82	125408	18.005	ng	# 65
31) Naphthalene	8.03	128	1447	0.147	ng	# 69
37) 2-Methylnaphthalene	8.83	142	1026	0.155	ng	# 89
38) 1-Methylnaphthalene	8.83	142	1026	0.164	ng	# 93
46) 1,1'-Biphenyl	9.19	154	529	0.066	ng	# 69
47) 2-Chloronaphthalene	9.48	162	119	0.020	ng	# 1
48) 2-Nitroaniline	9.48	65	111	0.056	ng	# 1
49) Acenaphthylene	9.63	152	5484	0.615	ng	# 99
50) Dimethylphthalate	9.49	163	24961	3.598	ng	# 100
51) 2,6-Dinitrotoluene	9.76	165	12060	8.331	ng	# 22
52) Acenaphthene	9.80	154	2744	0.501	ng	# 90
55) Dibenzofuran	9.98	168	2043	0.258	ng	# 75
56) 4-Nitrophenol	9.97	139	801	5.070	ng	# 6
57) 2,4-Dinitrotoluene	9.76	165	12060	6.266	ng	# 12
58) Fluorene	10.32	166	5545	0.846	ng	# 99
63) Azobenzene	10.56	77	124	0.017	ng	# 1
66) n-Nitrosodiphenylamine	10.42	169	110	0.021	ng	# 26
67) 4-Bromophenyl-phenylether	10.56	248	2047	1.352	ng	# 1
71) Phenanthrene	11.27	178	43377	5.316	ng	# 97
72) Anthracene	11.33	178	11142	1.331	ng	# 97
73) Carbazole	11.50	167	2927	0.383	ng	# 99
74) Di-n-butylphthalate	11.81	149	126	0.012	ng	# 78
75) Fluoranthene	12.46	202	64834	7.937	ng	# 99
77) Benzidine	12.83	184	2023	Below	Cal	# 81
78) Pvrene	12.69	202	60621	7.693	ng	# 99
80) Butylbenzylphthalate	13.28	149	111	0.028	ng	# 20

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\
 Data File : BF117520.D
 Acq On : 24 Oct 2019 19:46
 Operator : JU
 Sample : K5148-09 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-102319

Quant Time: Oct 25 01:06:23 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

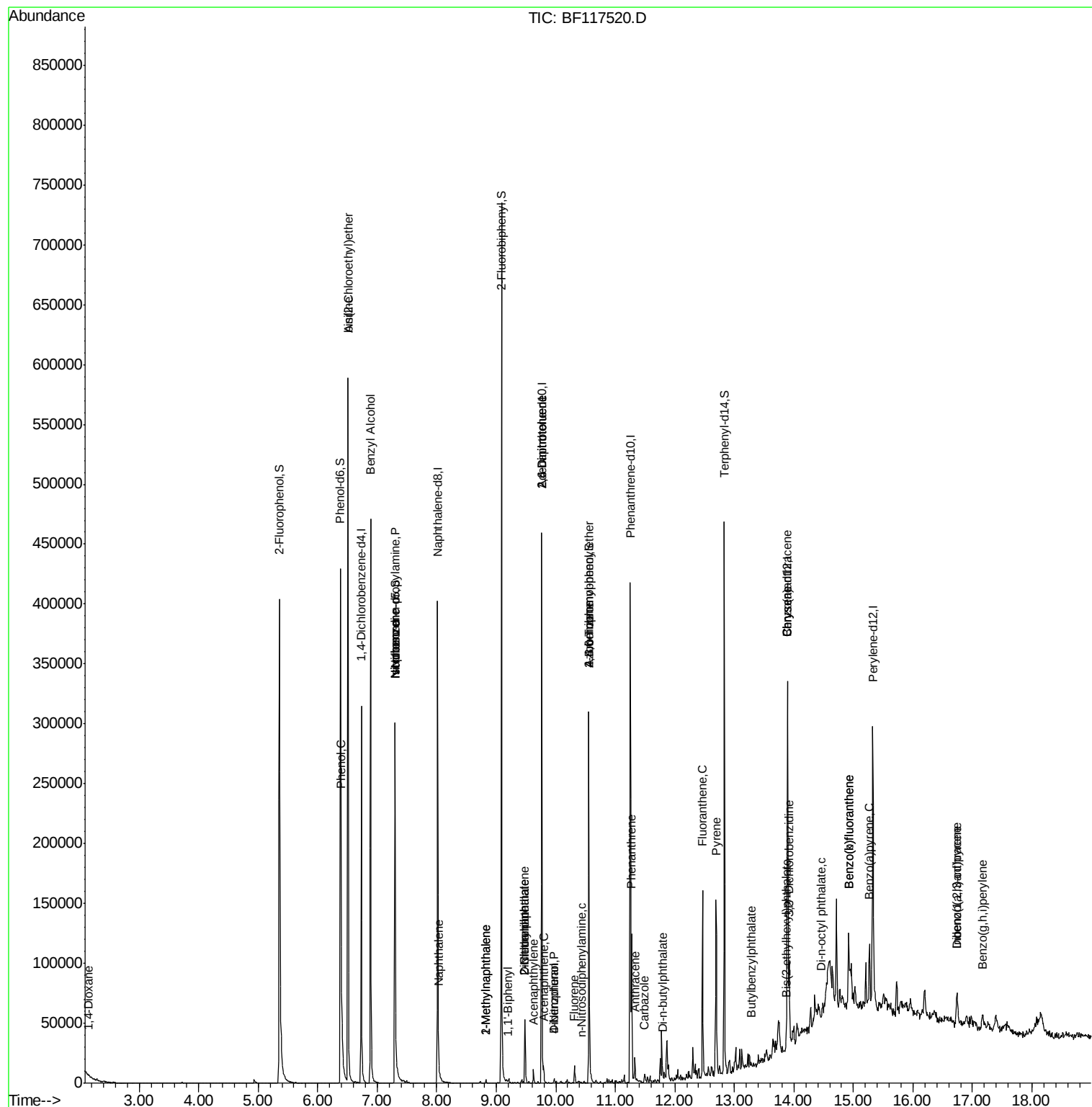
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
81) Benzo(a)anthracene	13.89	228	25871	4.180	nq	92
82) 3,3'-Dichlorobenzidine	13.92	252	112	0.058	nq #	15
83) Chrysene	13.89	228	25871	4.265	nq	96
84) Bis(2-ethylhexyl)phthalate	13.86	149	1877	0.342	nq #	95
85) Di-n-octyl phthalate	14.46	149	749	0.089	nq #	1
86) Indeno(1,2,3-cd)pyrene	16.74	276	9838	2.173	nq #	93
88) Benzo(b)fluoranthene	14.92	252	38575	6.998	nq #	90
89) Benzo(k)fluoranthene	14.92	252	38575	6.828	nq #	90
90) Benzo(a)pyrene	15.27	252	21956	4.381	nq #	92
91) Dibenzo(a,h)anthracene	16.74	278	3119	0.720	nq #	45
92) Benzo(a,h,i)perylene	17.17	276	8640	2.107	nq #	88

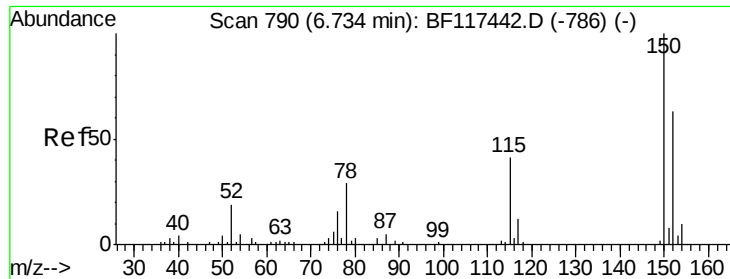
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\
Data File : BF117520.D
Acq On : 24 Oct 2019 19:46
Operator : JU
Sample : K5148-09 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-102319

Quant Time: Oct 25 01:06:23 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



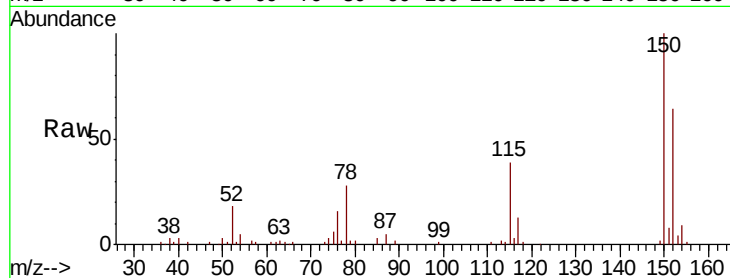


#1

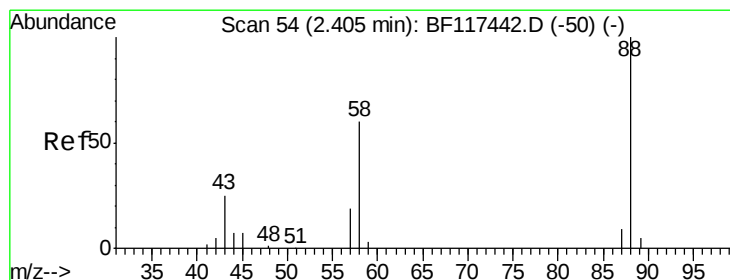
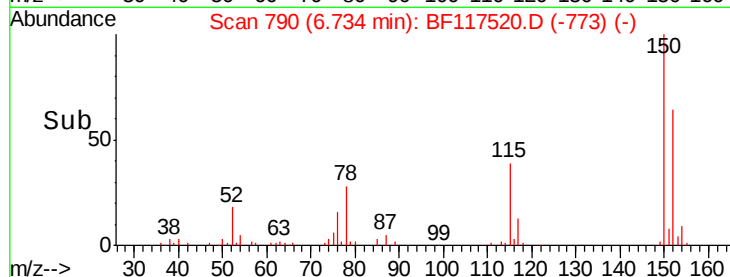
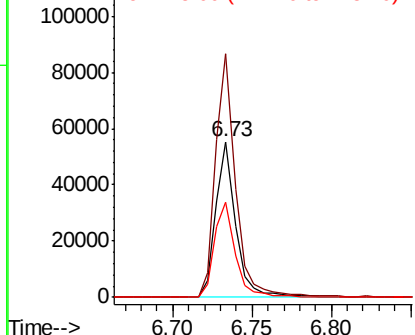
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.00 min
Lab File: BF117520.D
Acq: 24 Oct 2019 19:46

Instrument :
BNA_F
ClientSampleId :
OR-02-102319

Tot Ion:152 Resp: 48712
Ion Ratio Lower Upper
152 100
150 156.8 126.8 190.2
115 61.1 51.6 77.4



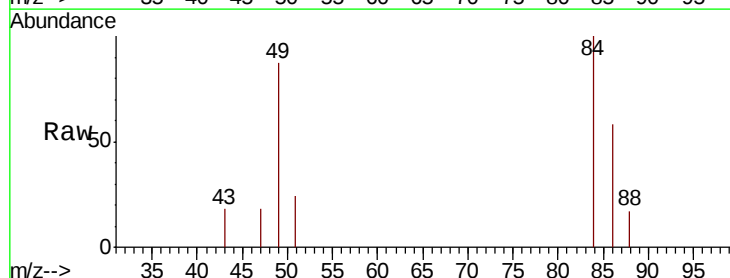
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



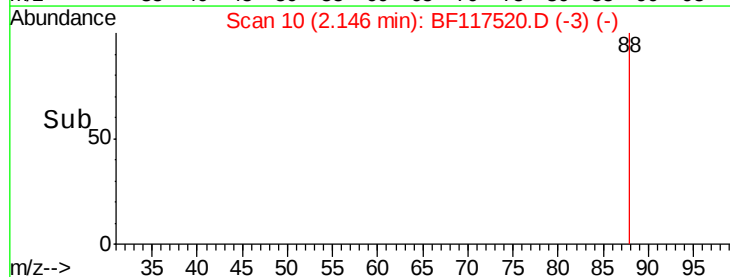
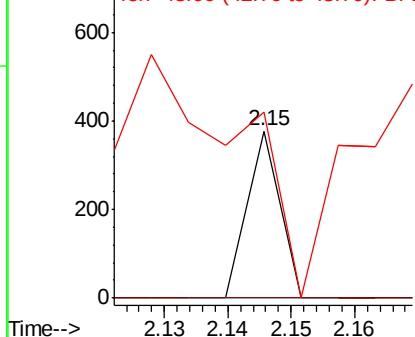
#2

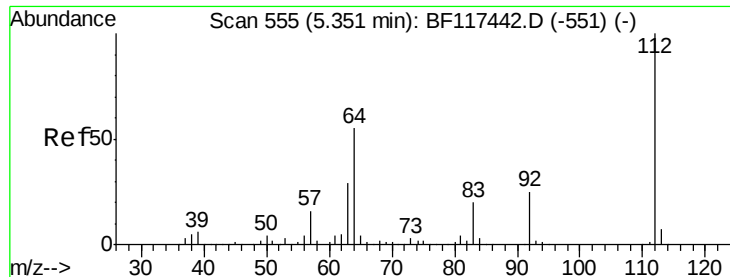
1,4-Dioxane
Concen: 0.097 ng
RT: 2.15 min Scan# 10
Delta R.T. -0.26 min
Lab File: BF117520.D
Acq: 24 Oct 2019 19:46

Tgt Ion: 88 Resp: 133
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: 46.890 ng

RT: 5.36 min Scan# 556

Delta R.T. 0.01 min

Lab File: BF117520.D

Acq: 24 Oct 2019 19:46

Instrument :

BNA_F

ClientSampleId :

OR-02-102319

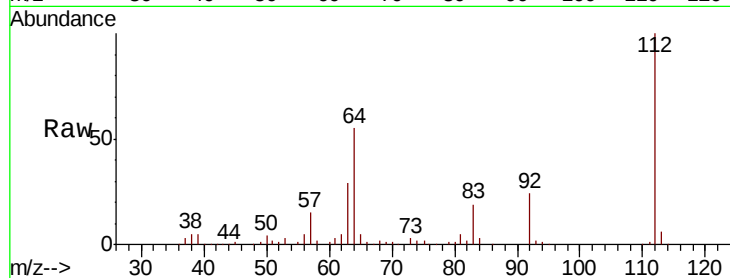
Tot Ion:112 Resp: 153533

Ion Ratio Lower Upper

112 100

64 54.9 44.1 66.1

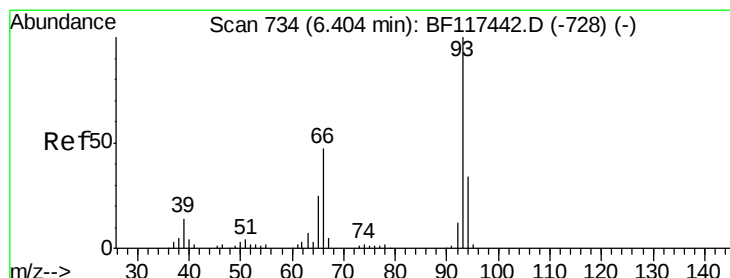
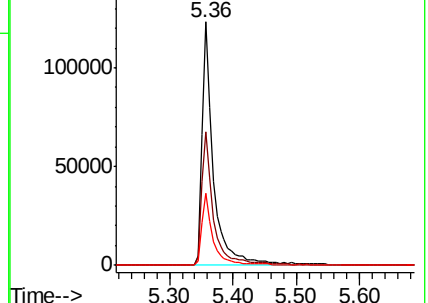
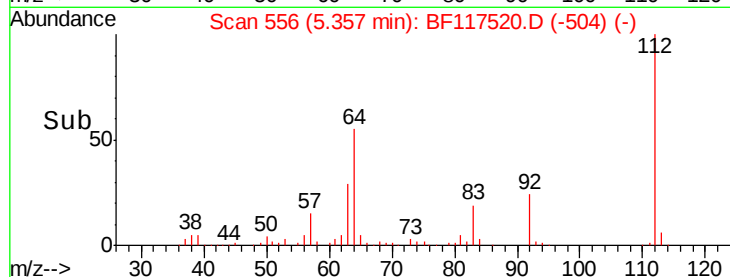
63 29.4 23.4 35.2



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: 0.043 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.10 min

Lab File: BF117520.D

Acq: 24 Oct 2019 19:46

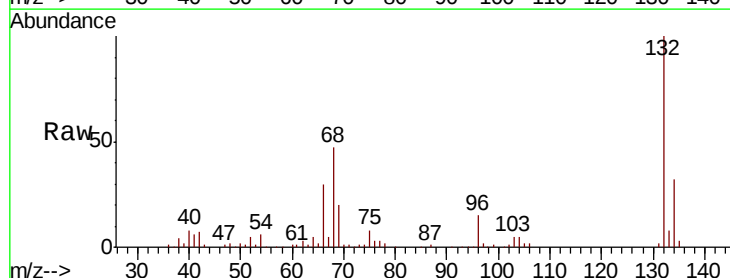
Tgt Ion: 93 Resp: 223

Ion Ratio Lower Upper

93 100

66 12890.3 38.7 58.1#

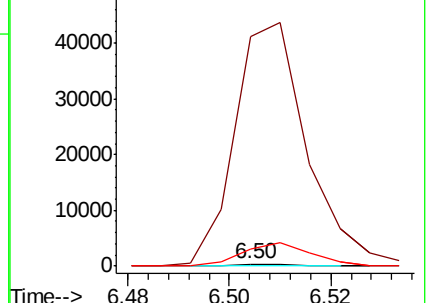
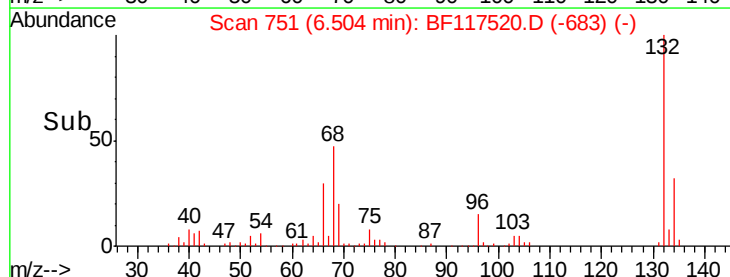
65 971.2 20.1 30.1#

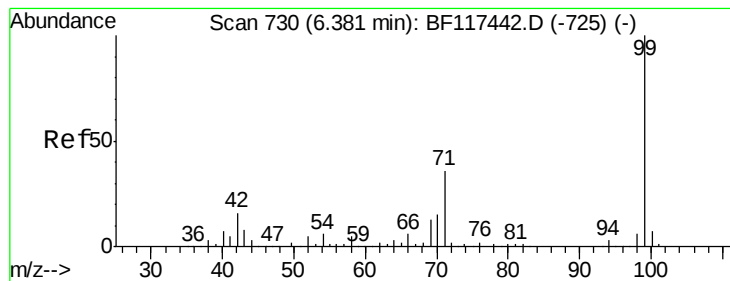


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 48.174 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF117520.D

Acq: 24 Oct 2019 19:46

Instrument :

BNA_F

ClientSampleId :

OR-02-102319

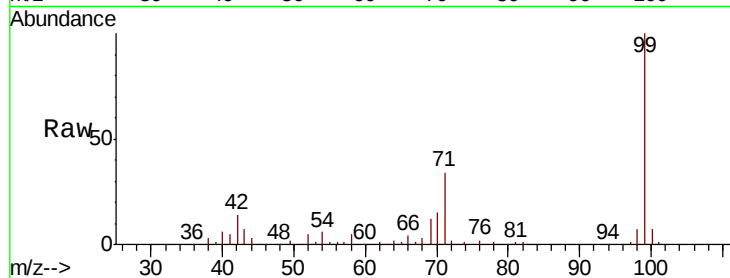
Tot Ion: 99 Resp: 211856

Ion Ratio Lower Upper

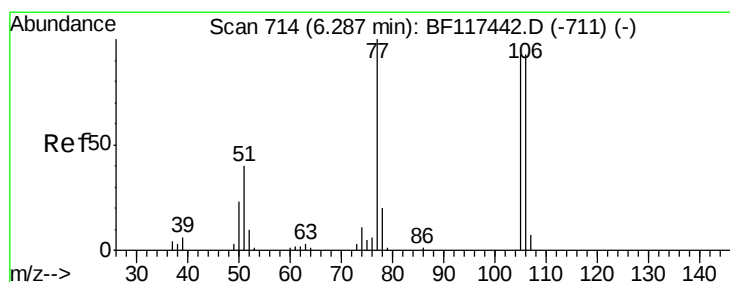
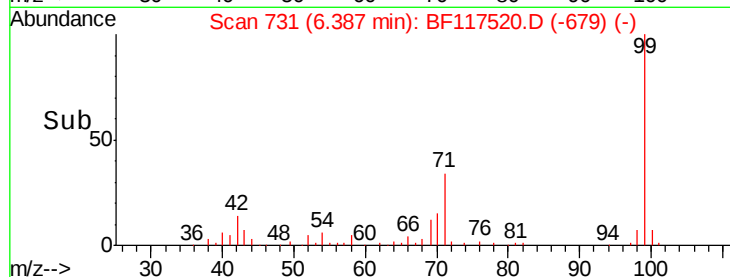
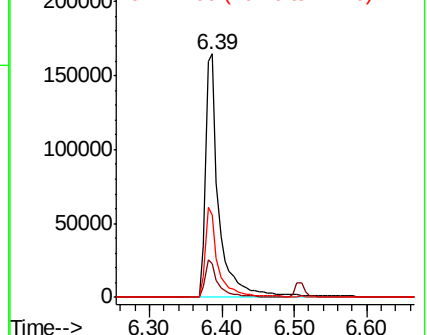
99 100

42 14.0 12.8 19.2

71 33.9 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: BF117520.D

Acq: 24 Oct 2019 19:46

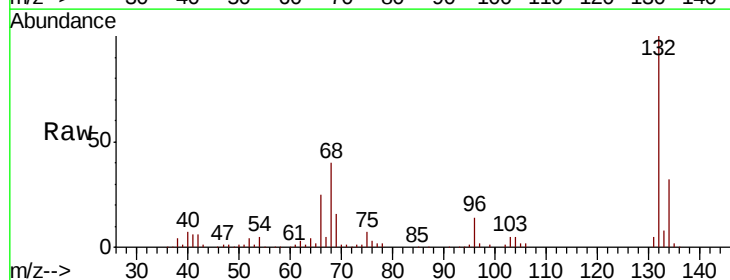
Tgt Ion: 77 Resp: 3930

Ion Ratio Lower Upper

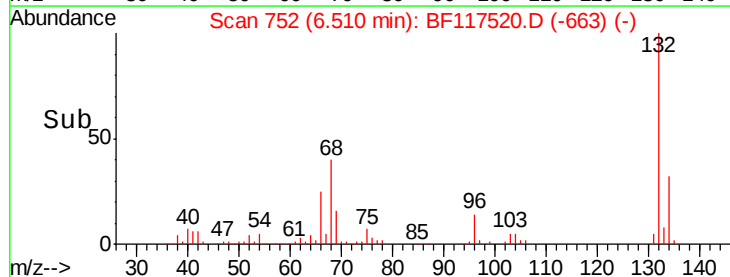
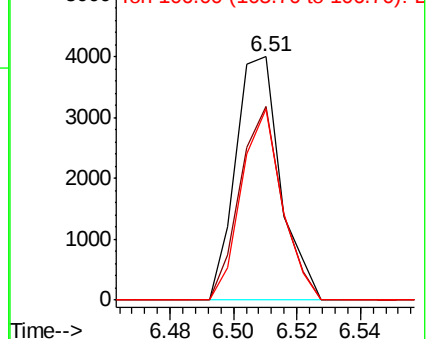
77 100

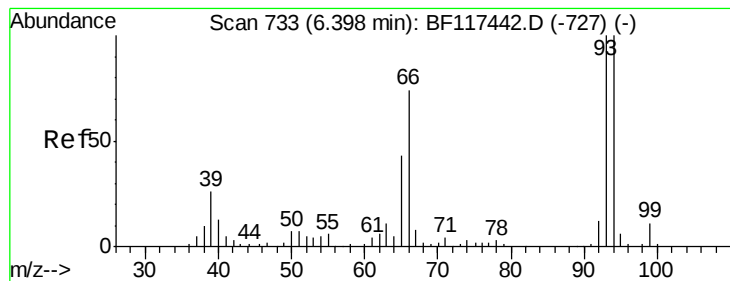
105 79.4 73.4 113.4

106 78.4 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: 0.945 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.00 min

Lab File: BF117520.D

Acq: 24 Oct 2019 19:46

Instrument :

BNA_F

ClientSampleId :

OR-02-102319

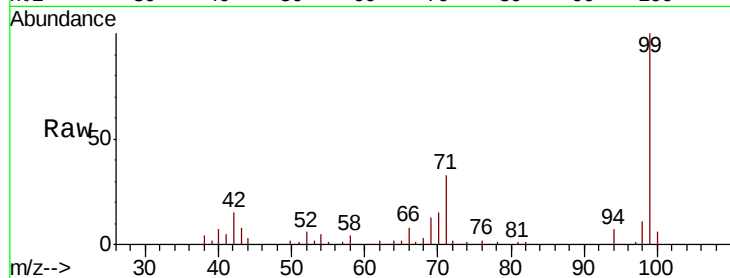
Tot Ion: 94 Resp: 4241

Ion Ratio Lower Upper

94 100

65 36.1 23.4 63.4

66 118.5 54.7 94.7#

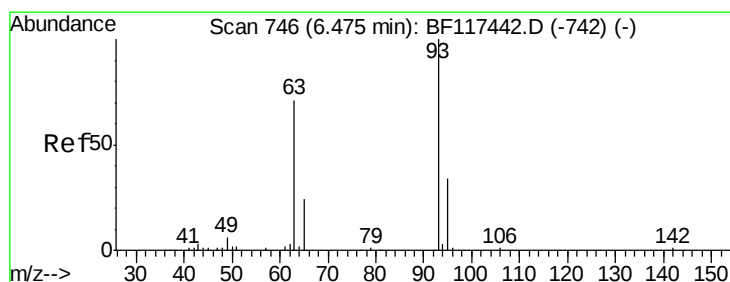
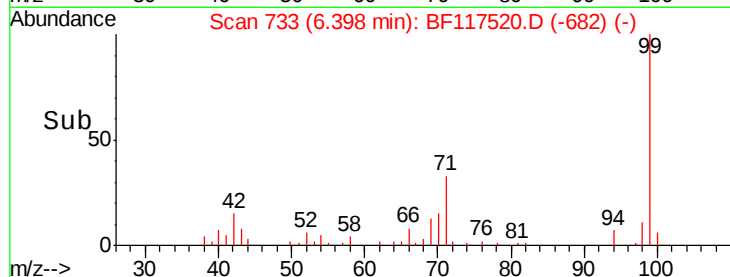
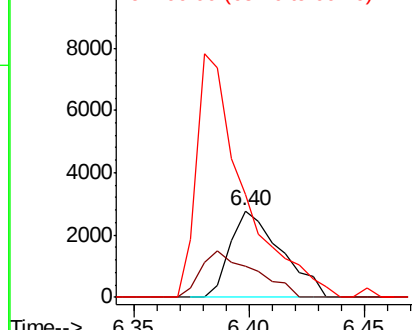


Abundance

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: 0.067 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.03 min

Lab File: BF117520.D

Acq: 24 Oct 2019 19:46

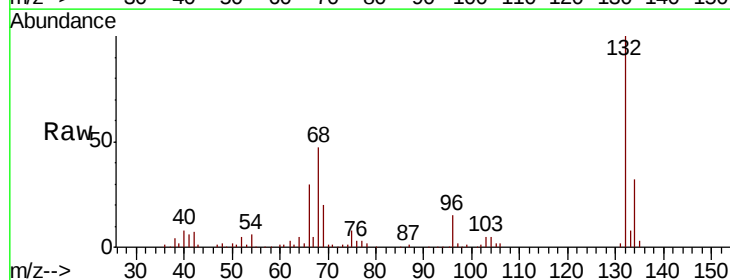
Tgt Ion: 93 Resp: 223

Ion Ratio Lower Upper

93 100

63 470.5 50.2 90.2#

95 181.5 13.9 53.9#

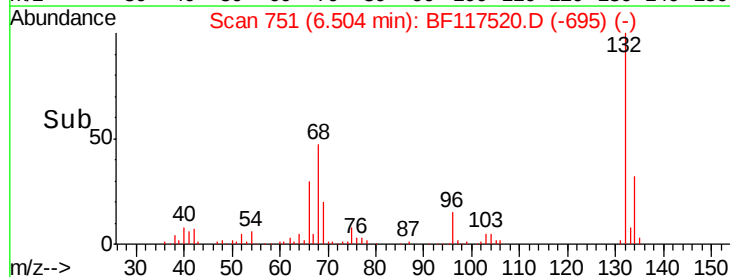
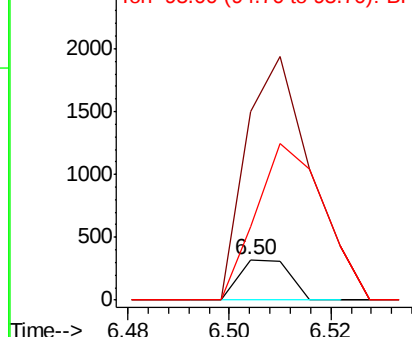


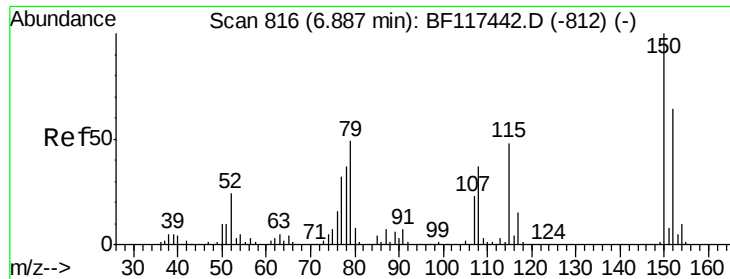
Abundance

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

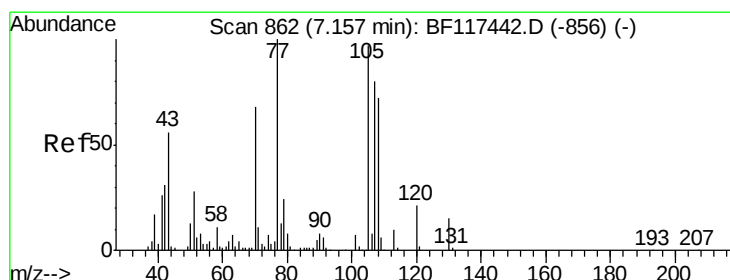
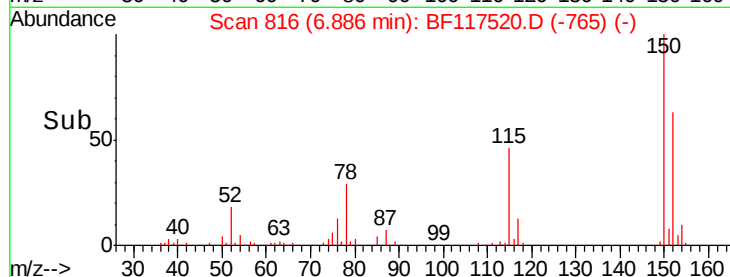
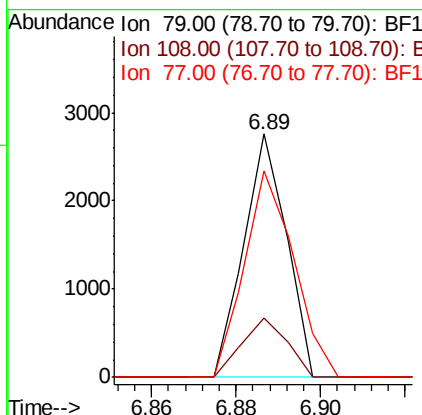
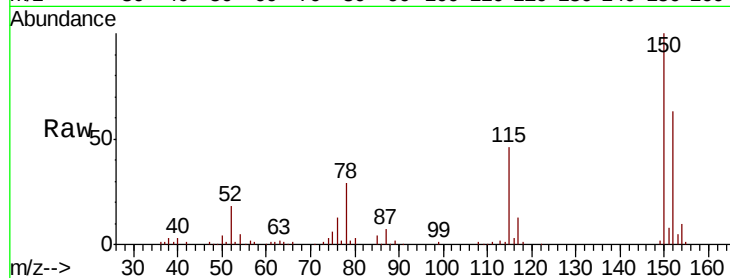




#15
Benzyl Alcohol
Concen: 0.616 ng
RT: 6.89 min Scan# 816
Delta R.T. -0.00 min
Lab File: BF117520.D
Acq: 24 Oct 2019 19:46

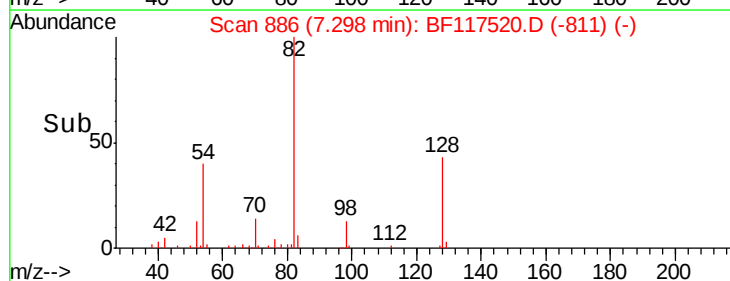
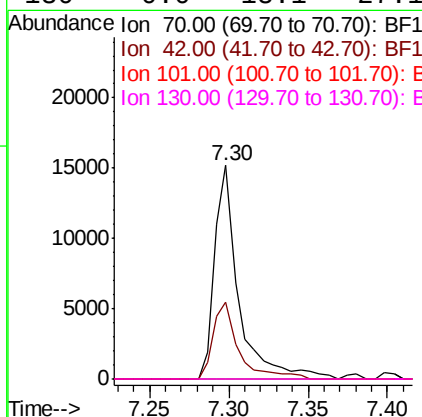
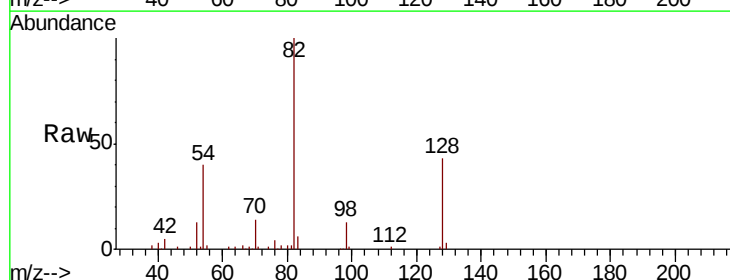
Instrument :
BNA_F
ClientSampleId :
OR-02-102319

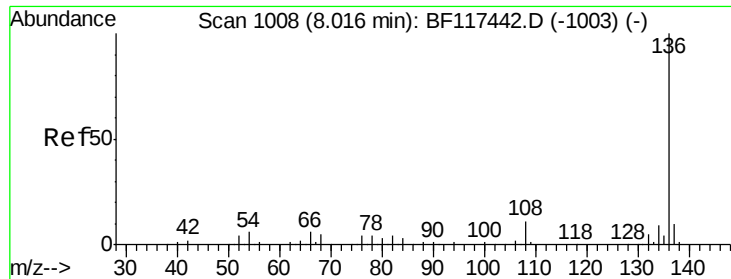
Tot Ion: 79 Resp: 1937
Ion Ratio Lower Upper
79 100
108 24.3 59.8 89.8#
77 84.8 51.4 77.0#



#19
n-Nitroso-di-n-propylamine
Concen: 5.961 ng
RT: 7.30 min Scan# 886
Delta R.T. 0.14 min
Lab File: BF117520.D
Acq: 24 Oct 2019 19:46

Tgt Ion: 70 Resp: 16011
Ion Ratio Lower Upper
70 100
42 35.8 36.7 55.1#
101 0.0 8.3 12.5#
130 0.0 18.1 27.1#

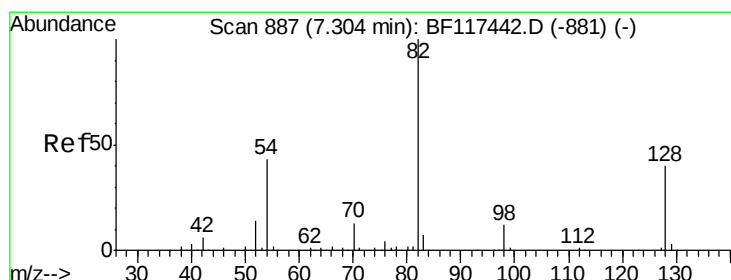
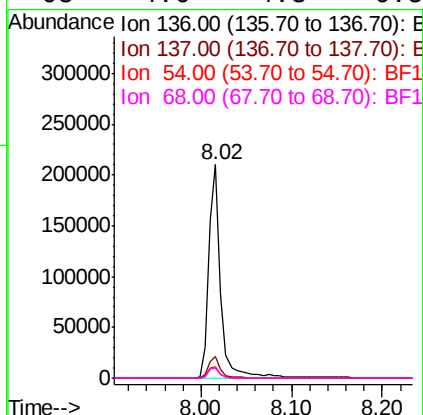
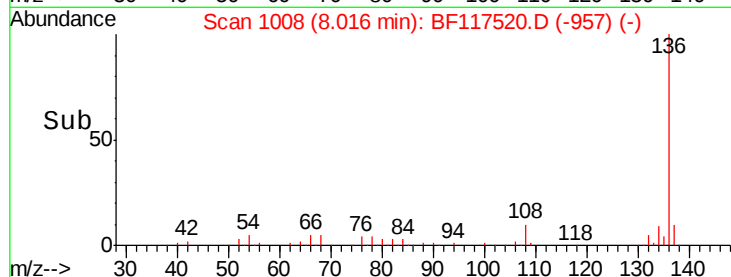
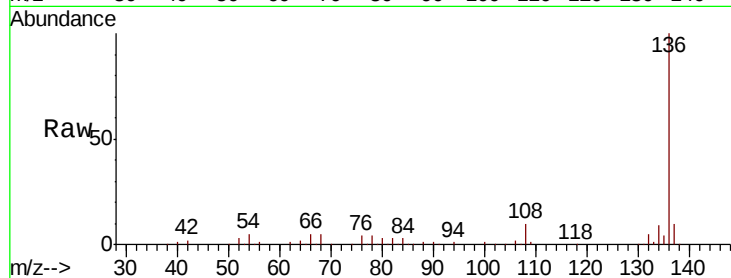




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1008
Delta R.T. -0.00 min
Lab File: BF117520.D
Acq: 24 Oct 2019 19:46

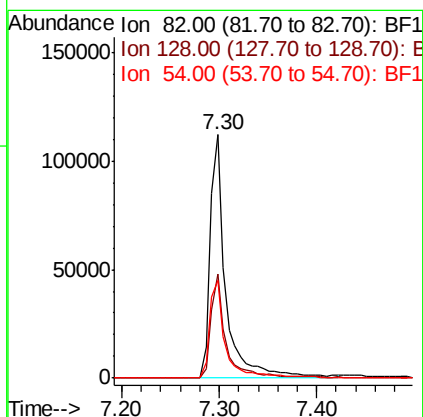
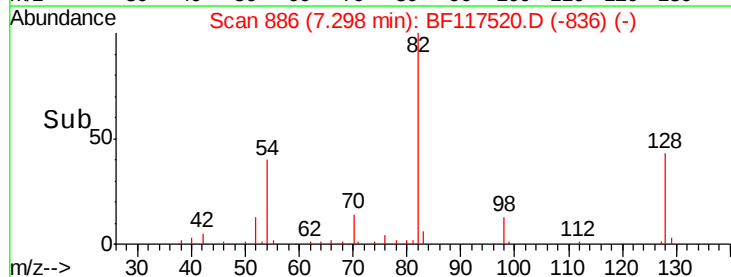
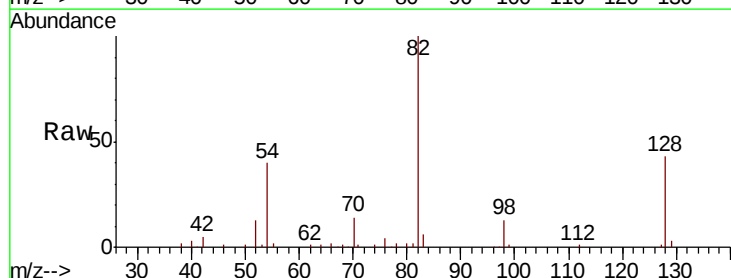
Instrument :
BNA_F
ClientSampleId :
OR-02-102319

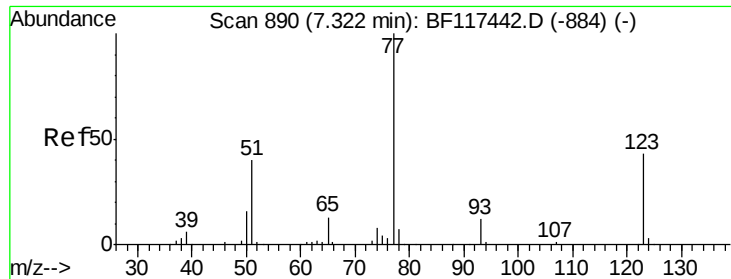
Tot Ion:136	Resp:	198769
Ion	Ratio	Lower Upper
136	100	
137	10.5	8.2 12.4
54	5.5	4.5 6.7
68	4.6	4.3 6.5



#23
Nitrobenzene-d5
Concen: 31.148 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF117520.D
Acq: 24 Oct 2019 19:46

Tgt Ion: 82	Resp:	125409
Ion	Ratio	Lower Upper
82	100	
128	42.5	32.2 48.2
54	39.9	34.2 51.2





#24

Nitrobenzene

Concen: 0.030 ng

RT: 7.30 min Scan# 886

Delta R.T. -0.02 min

Lab File: BF117520.D

Acq: 24 Oct 2019 19:46

Instrument :

BNA_F

ClientSampleId :

OR-02-102319

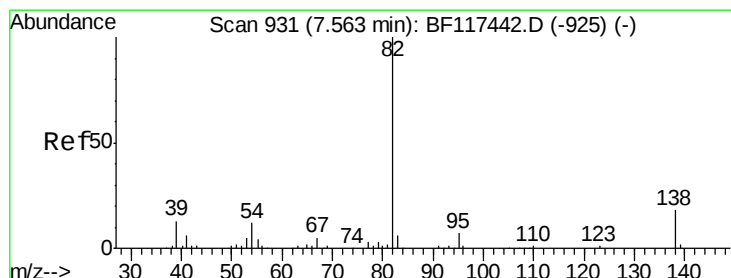
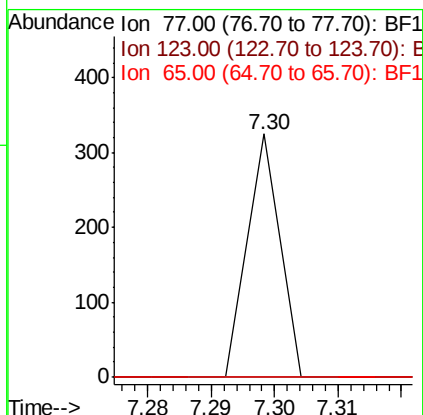
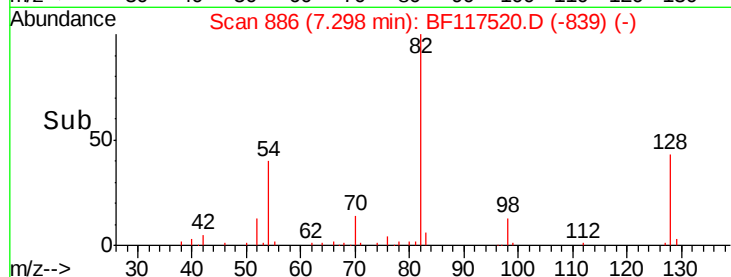
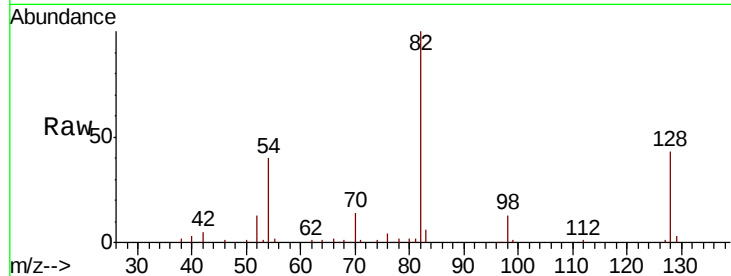
Tot Ion: 77 Resp: 115

Ion Ratio Lower Upper

77 100

123 0.0 34.2 51.2#

65 0.0 10.3 15.5#



#25

Isophorone

Concen: 18.005 ng

RT: 7.30 min Scan# 886

Delta R.T. -0.26 min

Lab File: BF117520.D

Acq: 24 Oct 2019 19:46

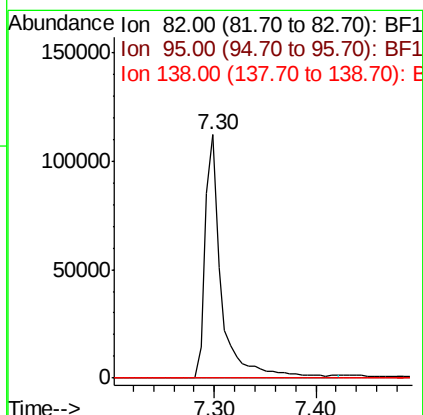
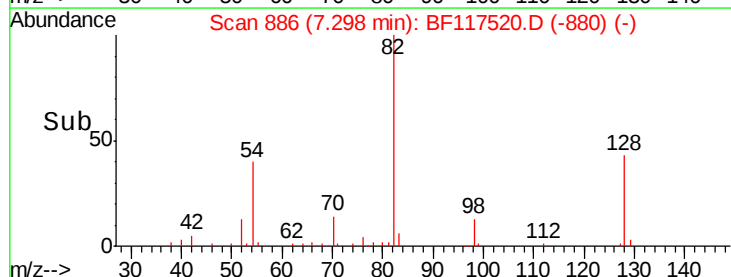
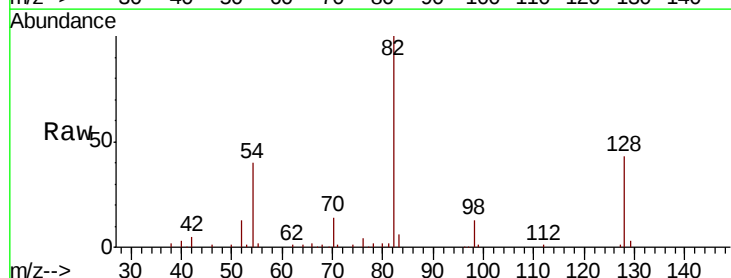
Tgt Ion: 82 Resp: 125408

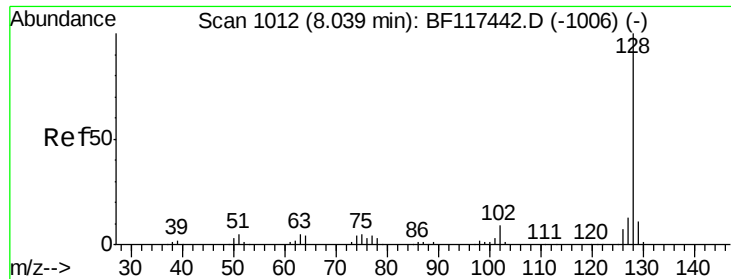
Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

138 0.0 14.2 21.2#





#31

Naphthalene

Concen: 0.147 ng

RT: 8.03 min Scan# 1011

Delta R.T. -0.01 min

Lab File: BF117520.D

Acq: 24 Oct 2019 19:46

Instrument :

BNA_F

ClientSampleId :

OR-02-102319

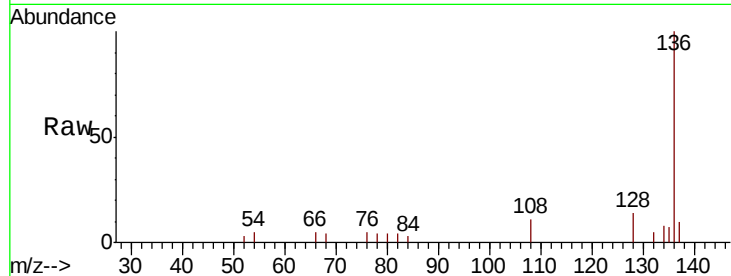
Tot Ion:128 Resp: 1447

Ion Ratio Lower Upper

128 100

129 0.0 9.0 13.4#

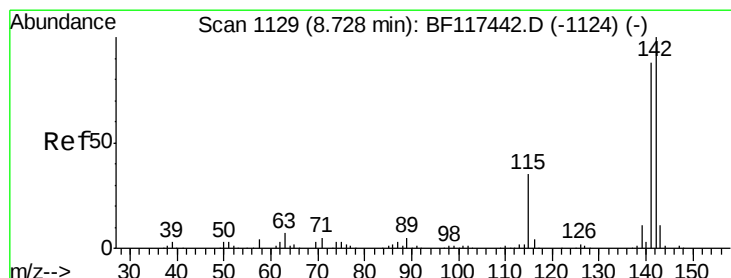
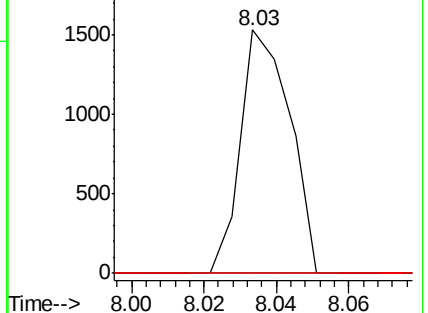
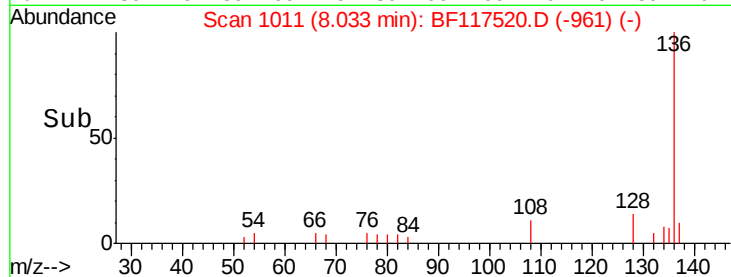
127 0.0 10.2 15.2#



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



#37

2-Methylnaphthalene

Concen: 0.155 ng

RT: 8.83 min Scan# 1146

Delta R.T. 0.10 min

Lab File: BF117520.D

Acq: 24 Oct 2019 19:46

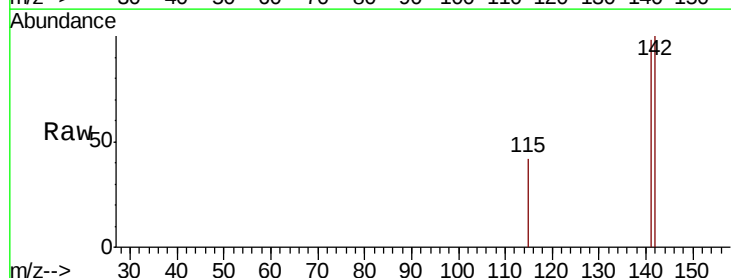
Tgt Ion:142 Resp: 1026

Ion Ratio Lower Upper

142 100

141 98.2 70.3 105.5

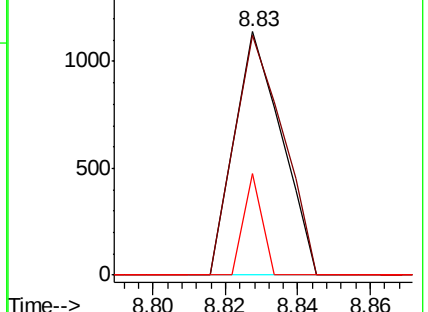
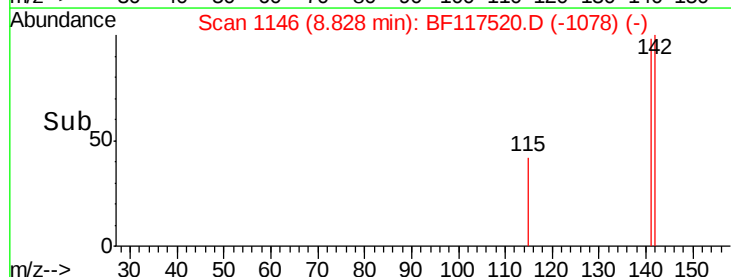
115 41.8 28.2 42.2

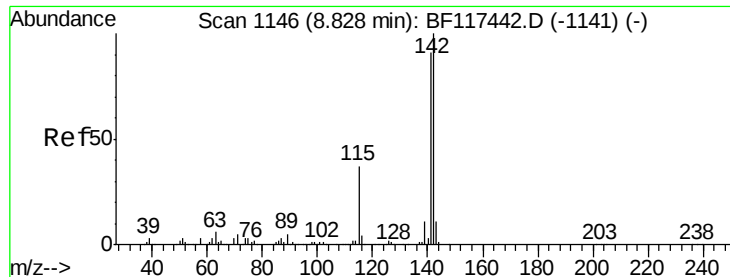


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

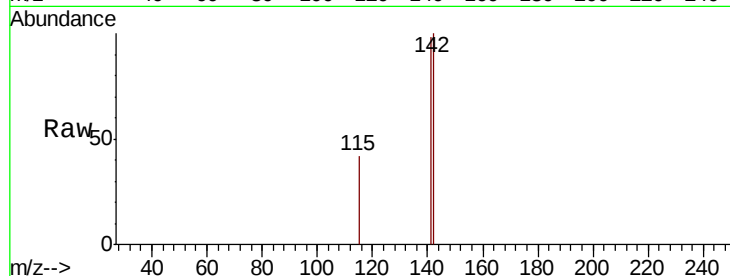




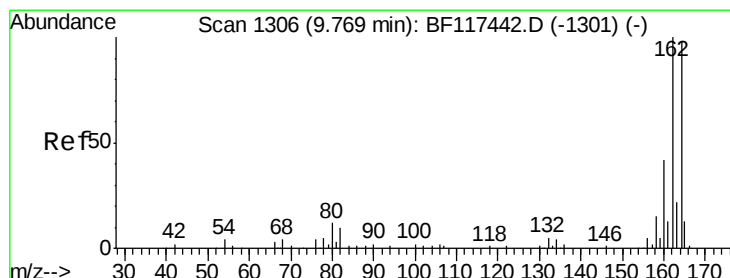
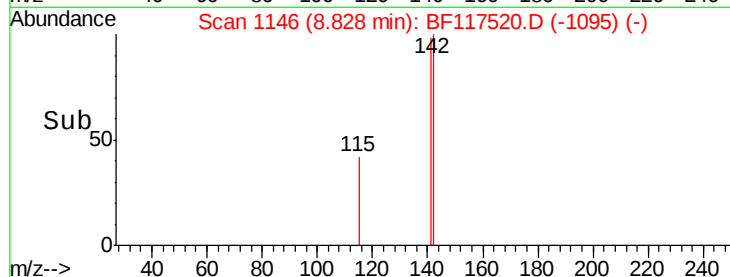
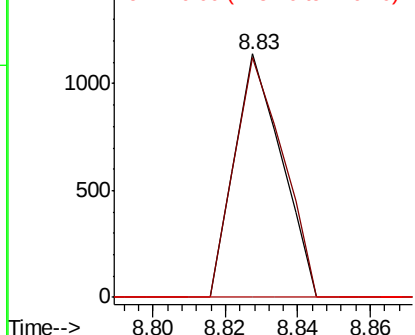
#38
1-Methylnaphthalene
Concen: 0.164 ng
RT: 8.83 min Scan# 1146
Delta R.T. -0.00 min
Lab File: BF117520.D
Acq: 24 Oct 2019 19:46

Instrument :
BNA_F
ClientSampleId :
OR-02-102319

Tot Ion:142 Resp: 1026
Ion Ratio Lower Upper
142 100
141 98.2 73.3 109.9
116 0.0 3.1 4.7#

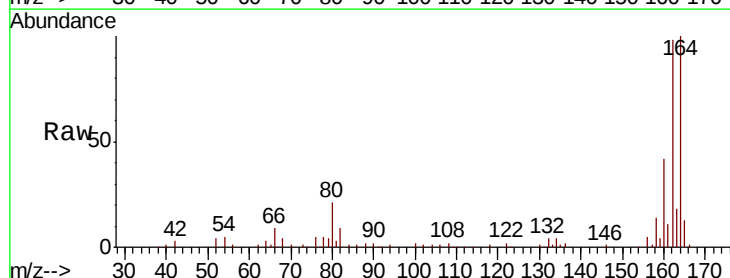


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E

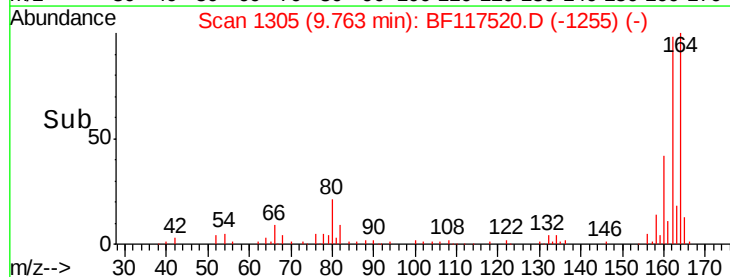
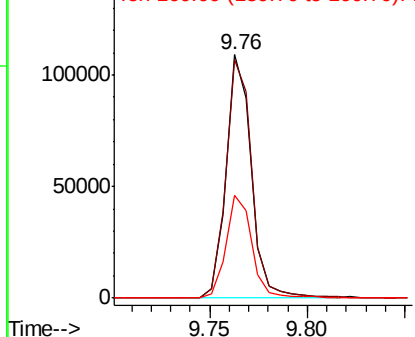


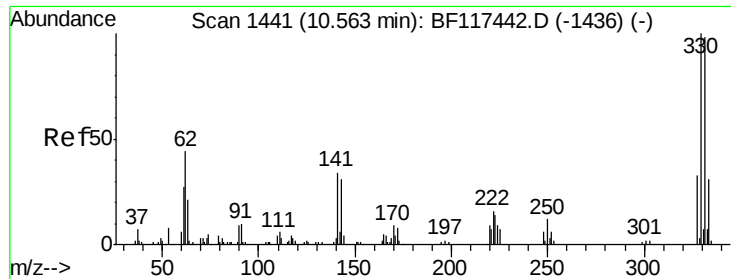
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF117520.D
Acq: 24 Oct 2019 19:46

Tgt Ion:164 Resp: 97304
Ion Ratio Lower Upper
164 100
162 97.8 81.8 122.6
160 42.5 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: 40.355 ng

RT: 10.56 min Scan# 1440

Delta R.T. -0.01 min

Lab File: BF117520.D

Acq: 24 Oct 2019 19:46

Instrument :

BNA_F

ClientSampleId :

OR-02-102319

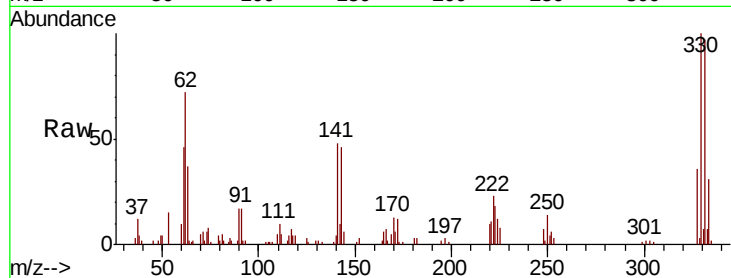
Tot Ion:330 Resp: 33976

Ion Ratio Lower Upper

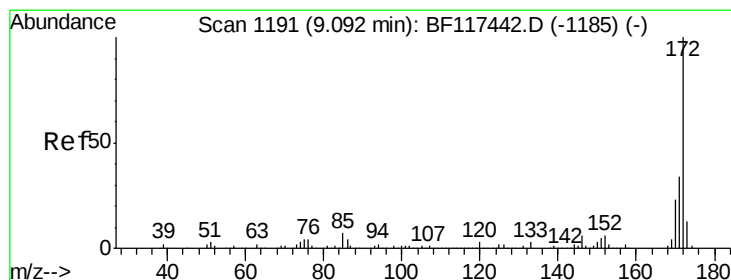
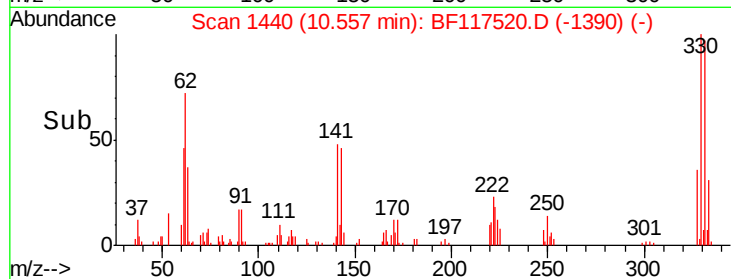
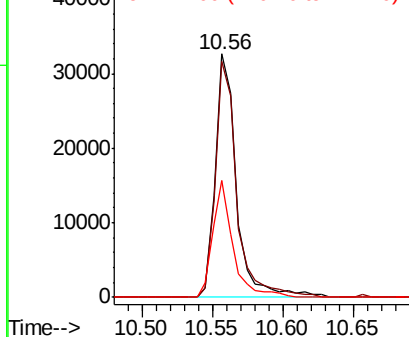
330 100

332 97.7 78.5 117.7

141 45.7 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: 31.126 ng

RT: 9.09 min Scan# 1190

Delta R.T. -0.01 min

Lab File: BF117520.D

Acq: 24 Oct 2019 19:46

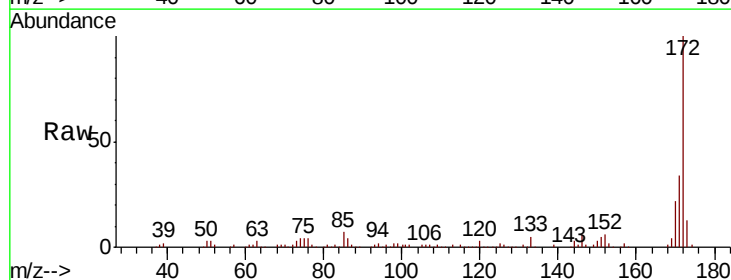
Tgt Ion:172 Resp: 214957

Ion Ratio Lower Upper

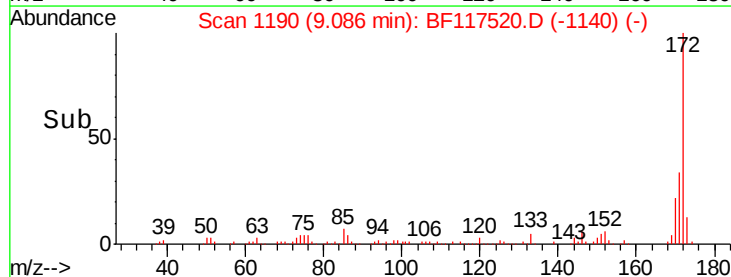
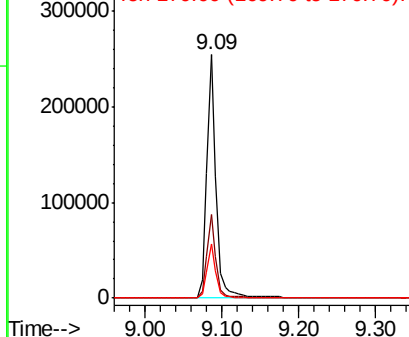
172 100

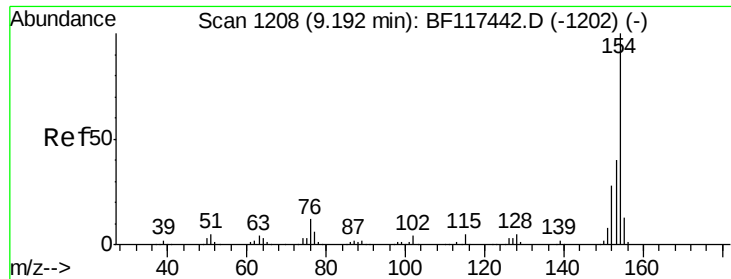
171 34.3 27.5 41.3

170 22.4 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

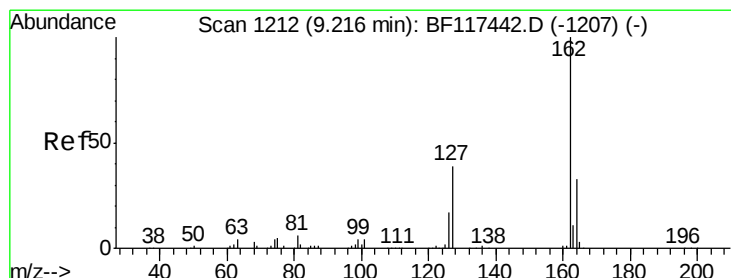
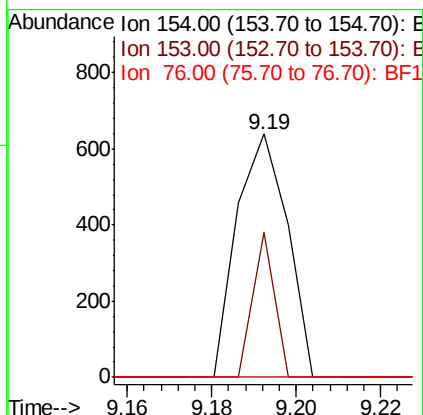
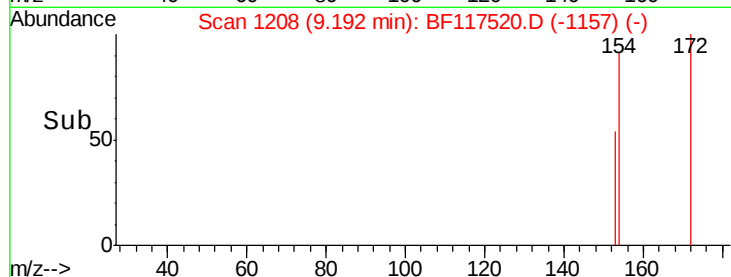
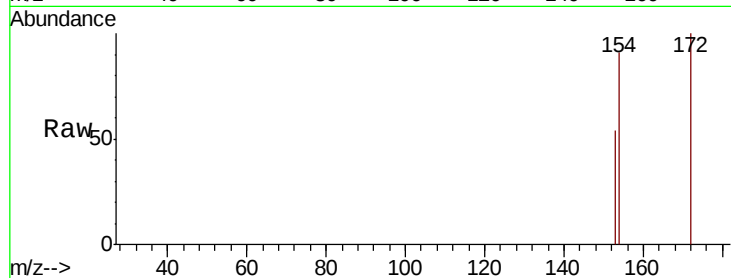




#46
 1,1'-Biphenyl
 Concen: 0.066 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. -0.00 min
 Lab File: BF117520.D
 Acq: 24 Oct 2019 19:46

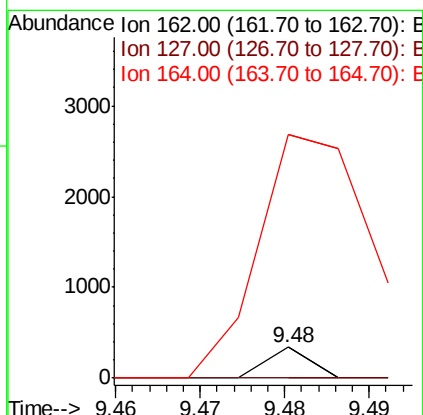
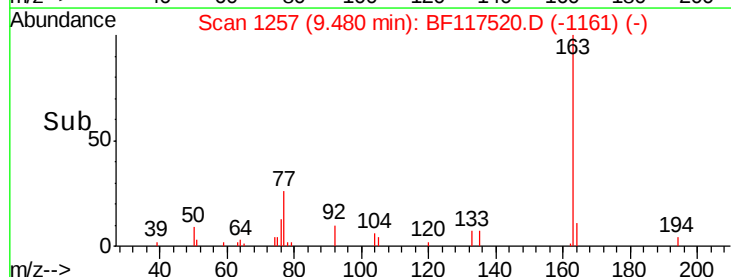
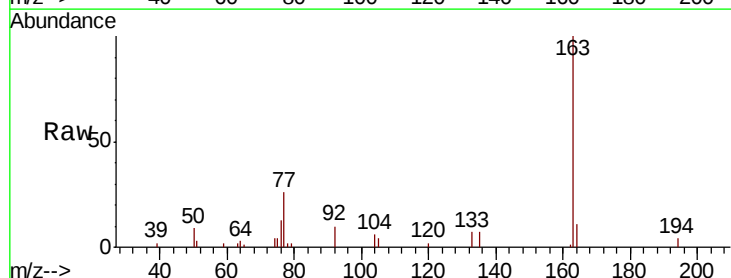
Instrument :
 BNA_F
 ClientSampleId :
 OR-02-102319

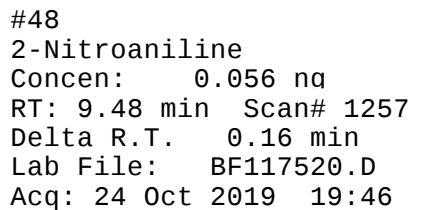
Tot Ion:154 Resp: 529
 Ion Ratio Lower Upper
 154 100
 153 59.6 20.2 60.2
 76 0.0 0.0 32.1



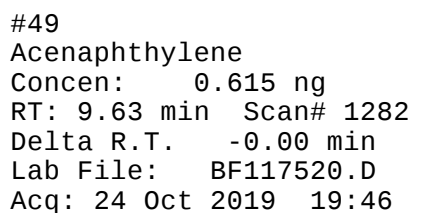
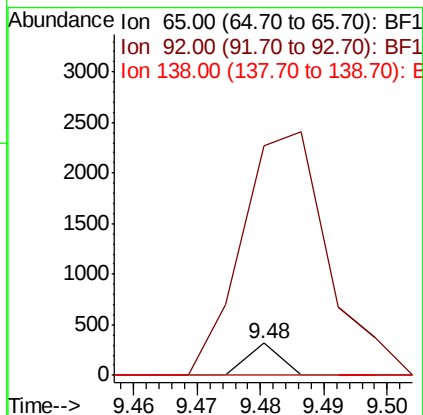
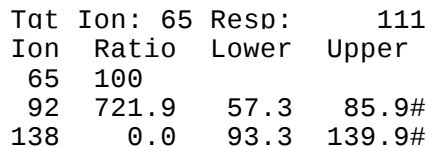
#47
 2-Chloronaphthalene
 Concen: 0.020 ng
 RT: 9.48 min Scan# 1257
 Delta R.T. 0.26 min
 Lab File: BF117520.D
 Acq: 24 Oct 2019 19:46

Tgt Ion:162 Resp: 119
 Ion Ratio Lower Upper
 162 100
 127 0.0 34.2 51.4#
 164 793.8 26.4 39.6#

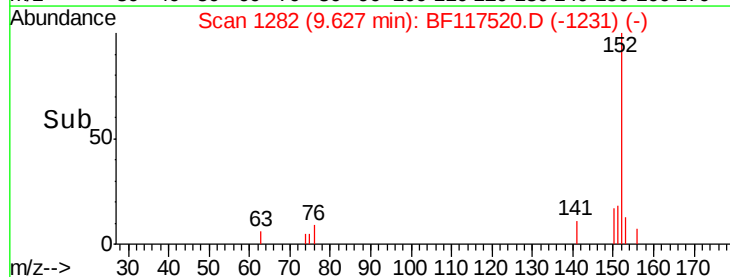
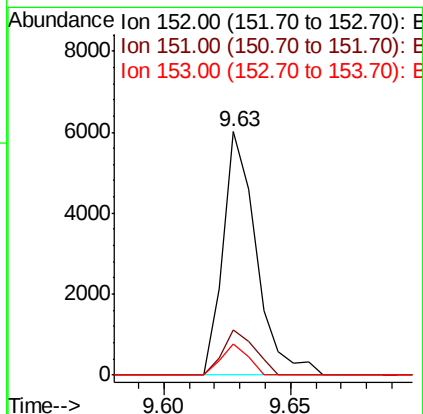


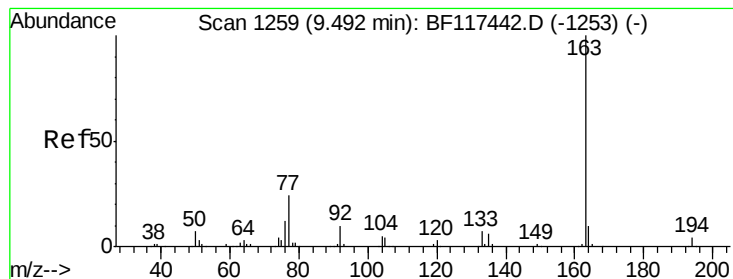


Instrument :
BNA_F
ClientSampleId :
OR-02-102319



Tgt	Ion:152	Resp:	5484
Ion	Ratio	Lower	Upper
152	100		
151	18.5	15.4	23.0
153	12.7	10.3	15.5





#50

Dimethylphthalate

Concen: 3.598 ng

RT: 9.49 min Scan# 1258

Delta R.T. -0.01 min

Lab File: BF117520.D

Acq: 24 Oct 2019 19:46

Instrument :

BNA_F

ClientSampleId :

OR-02-102319

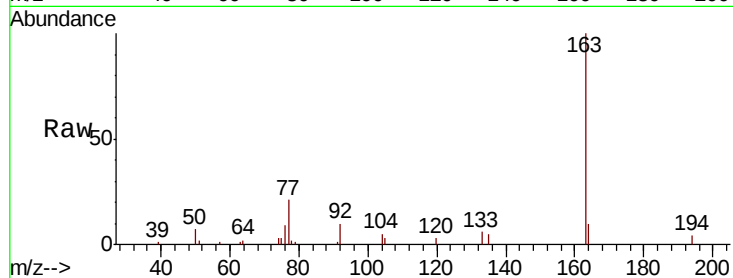
Tot Ion:163 Resp: 24961

Ion Ratio Lower Upper

163 100

194 3.6 2.9 4.3

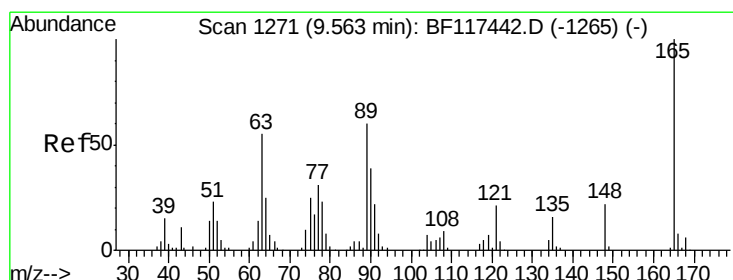
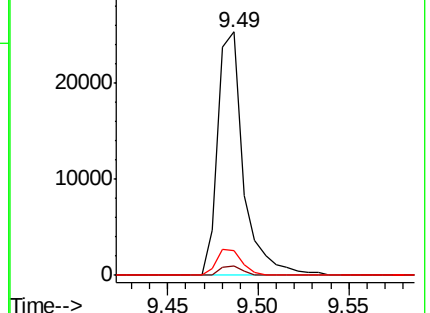
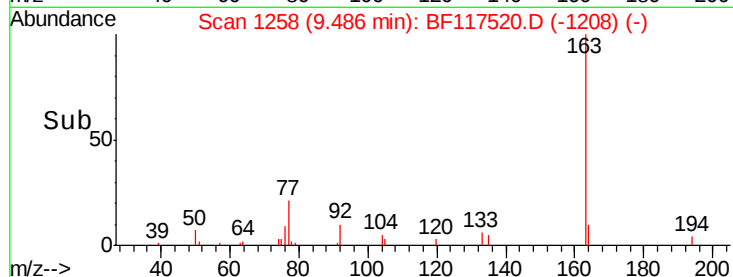
164 10.0 8.2 12.2



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: 8.331 ng

RT: 9.76 min Scan# 1305

Delta R.T. 0.20 min

Lab File: BF117520.D

Acq: 24 Oct 2019 19:46

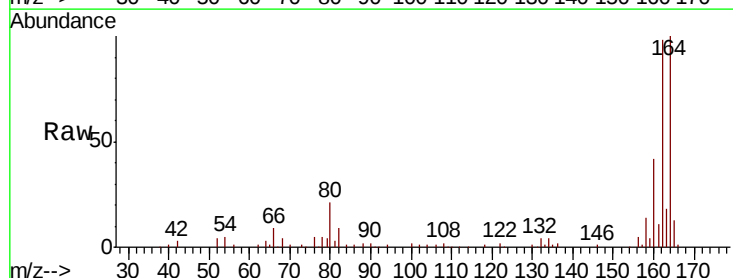
Tgt Ion:165 Resp: 12060

Ion Ratio Lower Upper

165 100

63 0.0 43.8 65.8#

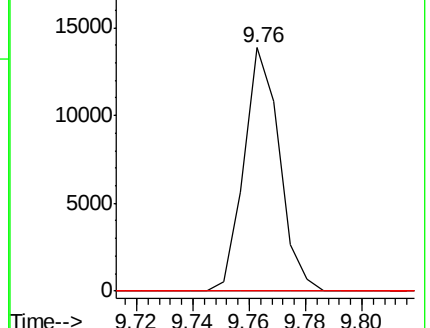
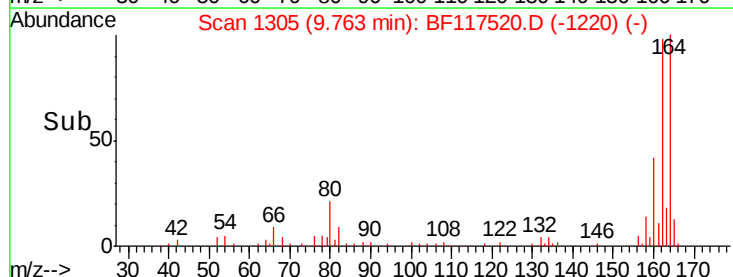
89 0.0 47.6 71.4#

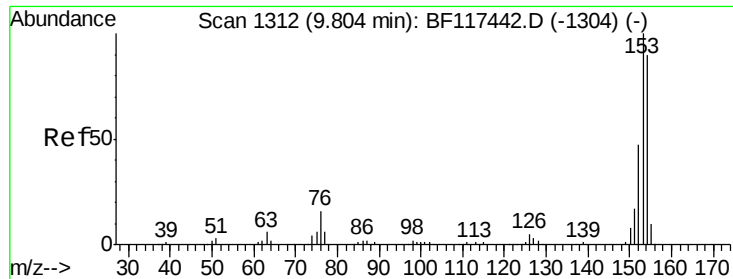


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#52

Acenaphthene

Concen: 0.501 ng

RT: 9.80 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BF117520.D

Acq: 24 Oct 2019 19:46

Instrument :

BNA_F

ClientSampleId :

OR-02-102319

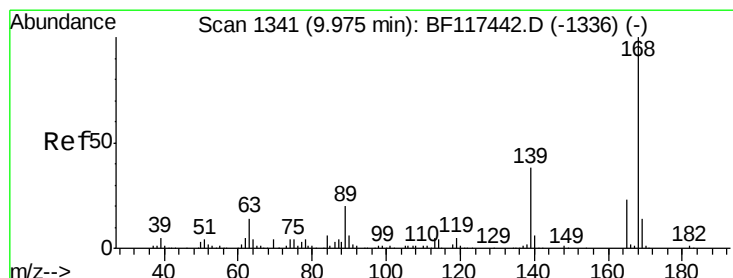
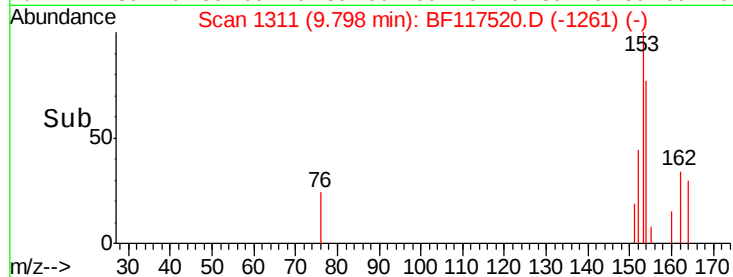
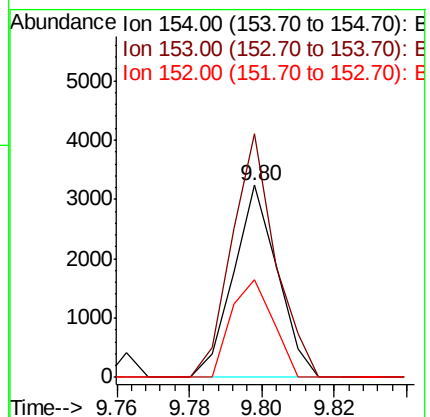
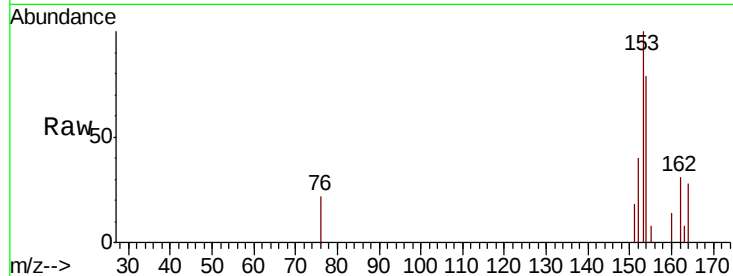
Tot Ion:154 Resp: 2744

Ion Ratio Lower Upper

154 100

153 126.6 89.2 133.8

152 50.7 41.8 62.6



#55

Dibenzofuran

Concen: 0.258 ng

RT: 9.98 min Scan# 1342

Delta R.T. 0.01 min

Lab File: BF117520.D

Acq: 24 Oct 2019 19:46

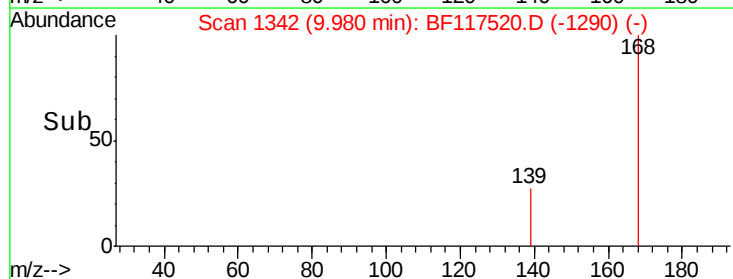
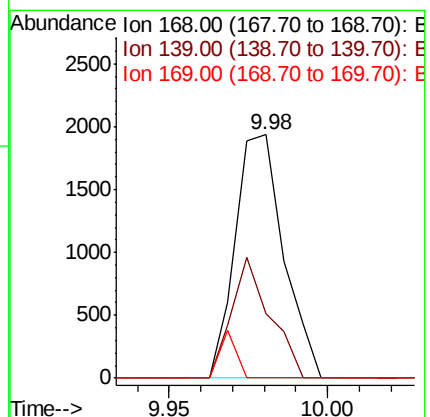
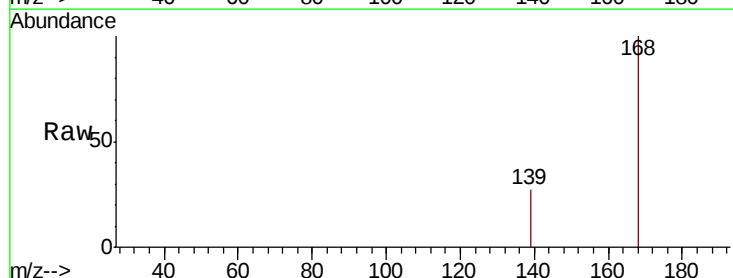
Tgt Ion:168 Resp: 2043

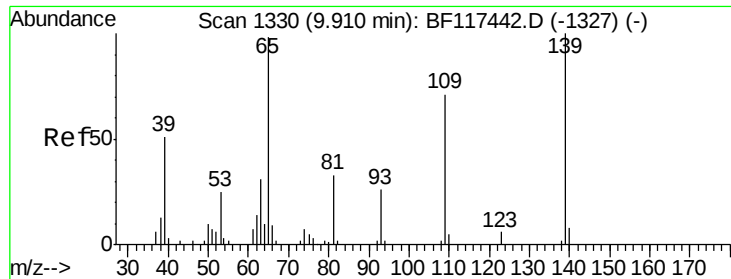
Ion Ratio Lower Upper

168 100

139 26.7 31.8 47.6#

169 0.0 11.2 16.8#

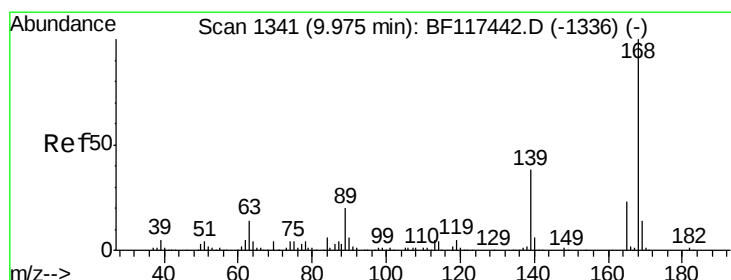
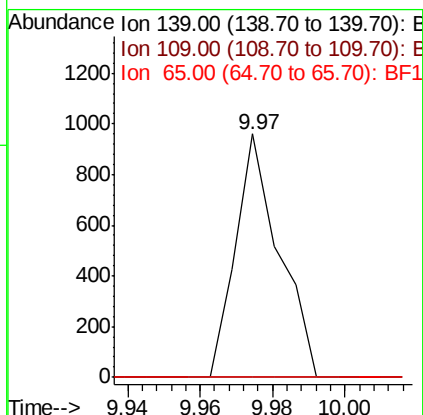
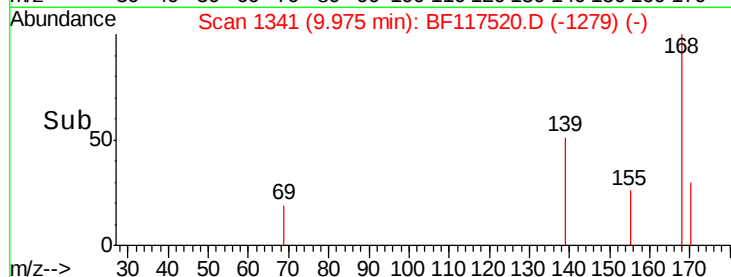
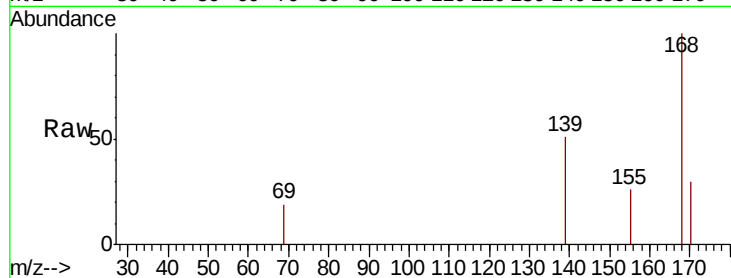




#56
4-Nitrophenol
Concen: 5.070 ng
RT: 9.97 min Scan# 1341
Delta R.T. 0.07 min
Lab File: BF117520.D
Acq: 24 Oct 2019 19:46

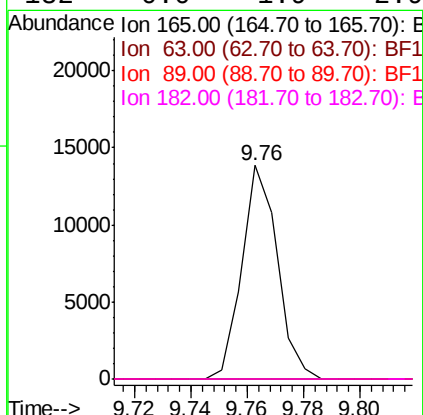
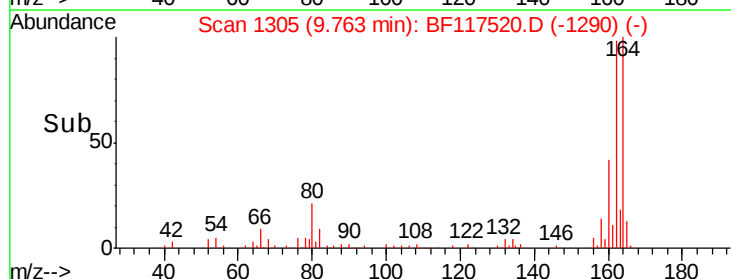
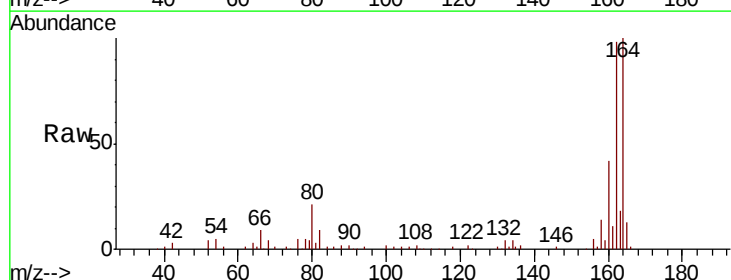
Instrument :
BNA_F
ClientSampleId :
OR-02-102319

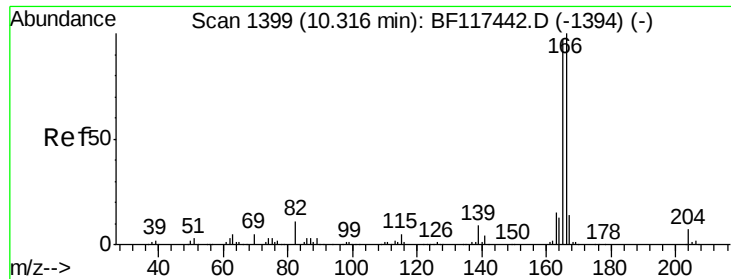
Tot Ion:139 Resp: 801
Ion Ratio Lower Upper
139 100
109 0.0 51.4 91.4#
65 0.0 79.4 119.4#



#57
2,4-Dinitrotoluene
Concen: 6.266 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.21 min
Lab File: BF117520.D
Acq: 24 Oct 2019 19:46

Tgt Ion:165 Resp: 12060
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#





#58

Fluorene

Concen: 0.846 ng

RT: 10.32 min Scan# 1399

Delta R.T. -0.00 min

Lab File: BF117520.D

Acq: 24 Oct 2019 19:46

Instrument :

BNA_F

ClientSampleId :

OR-02-102319

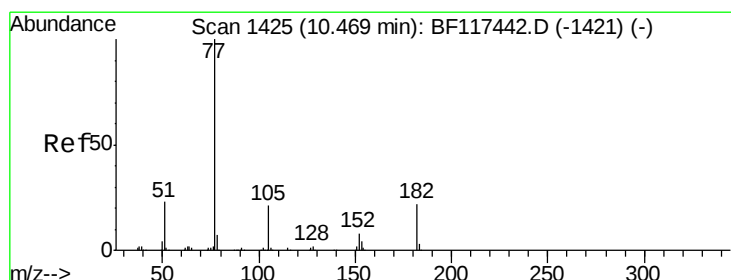
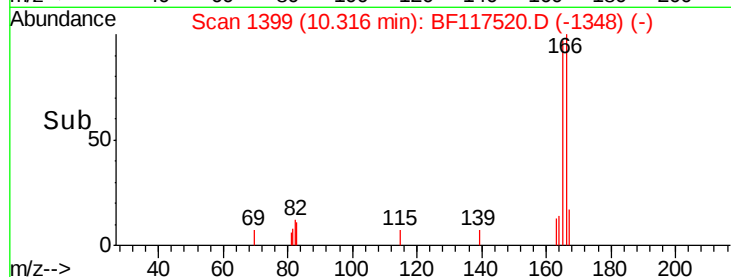
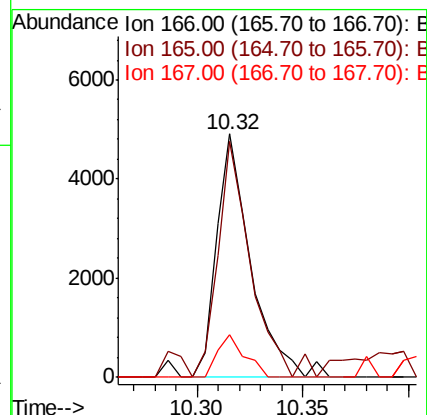
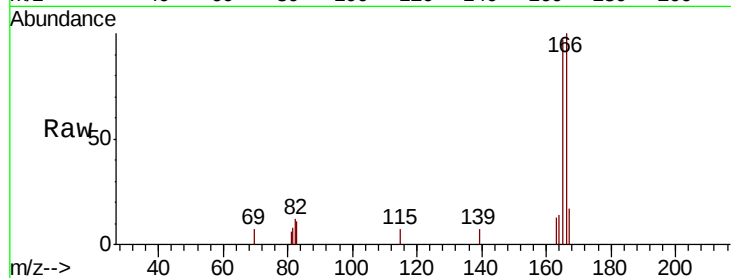
Tot Ion:166 Resp: 5545

Ion Ratio Lower Upper

166 100

165 96.9 77.6 116.4

167 17.4 11.0 16.4#



#63

Azobenzene

Concen: 0.017 ng

RT: 10.56 min Scan# 1441

Delta R.T. 0.09 min

Lab File: BF117520.D

Acq: 24 Oct 2019 19:46

Tgt Ion: 77 Resp: 124

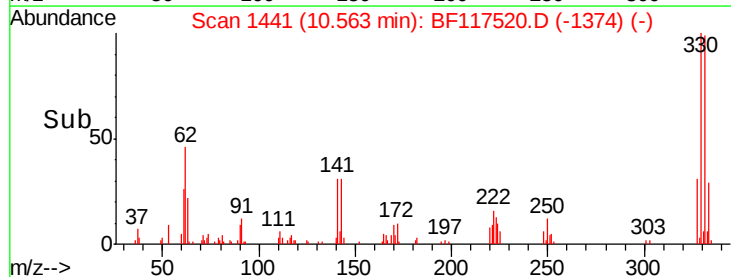
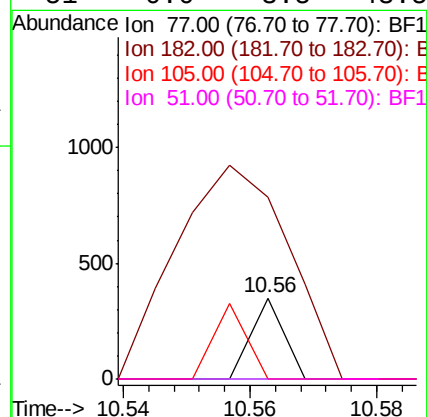
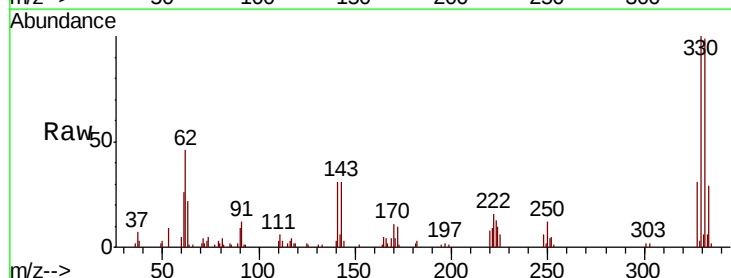
Ion Ratio Lower Upper

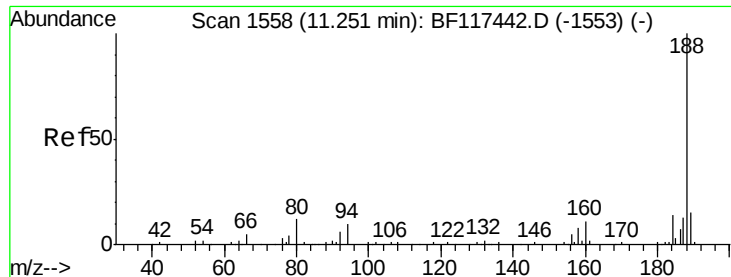
77 100

182 224.5 2.3 42.3#

105 0.0 1.3 41.3#

51 0.0 3.5 43.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.25 min Scan# 1558

Delta R.T. -0.00 min

Lab File: BF117520.D

Acq: 24 Oct 2019 19:46

Instrument :

BNA_F

ClientSampleId :

OR-02-102319

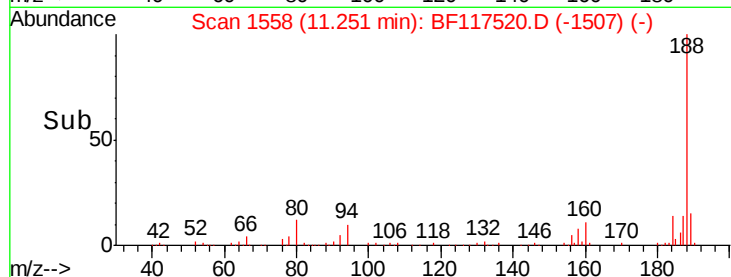
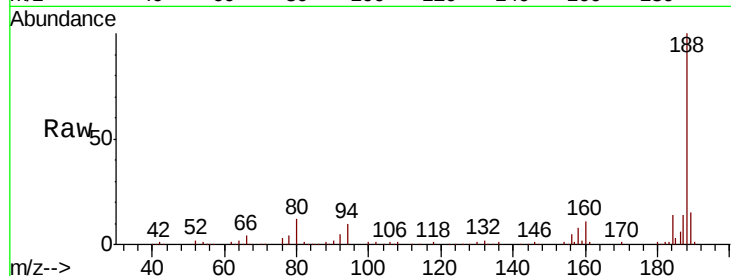
Tot Ion:188 Resp: 140522

Ion Ratio Lower Upper

188 100

94 9.9 8.0 12.0

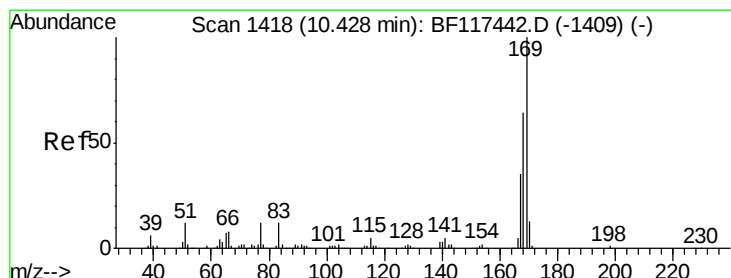
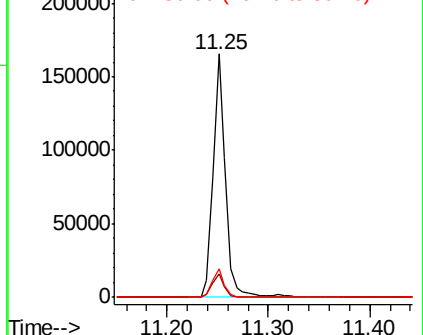
80 11.6 9.5 14.3



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: 0.021 ng

RT: 10.42 min Scan# 1417

Delta R.T. -0.01 min

Lab File: BF117520.D

Acq: 24 Oct 2019 19:46

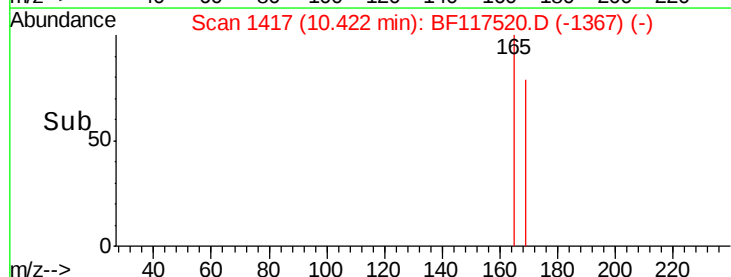
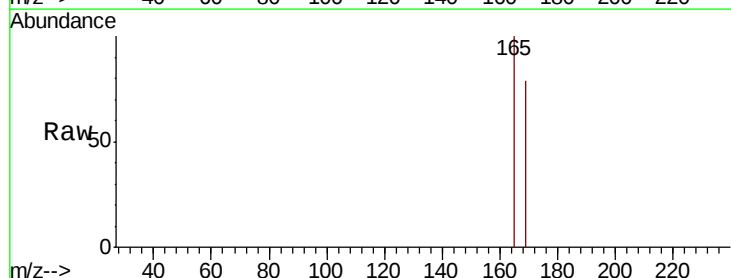
Tgt Ion:169 Resp: 110

Ion Ratio Lower Upper

169 100

168 0.0 51.3 76.9#

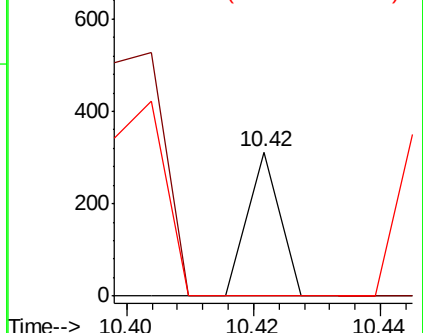
167 0.0 28.2 42.4#

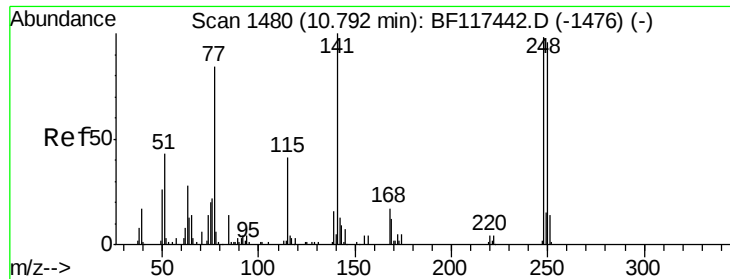


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

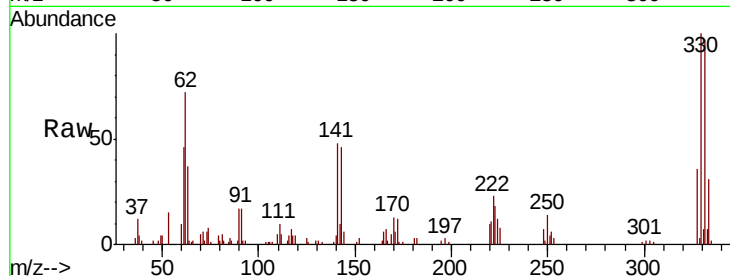




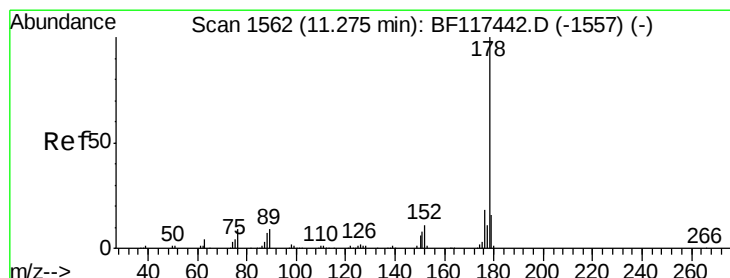
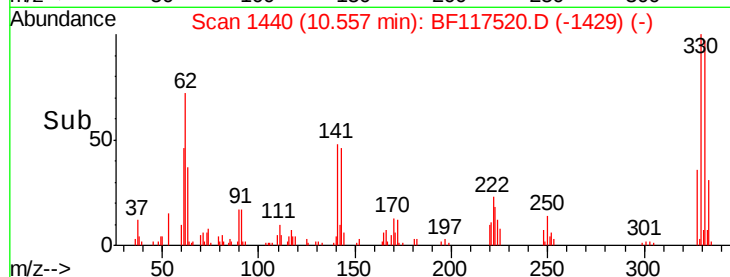
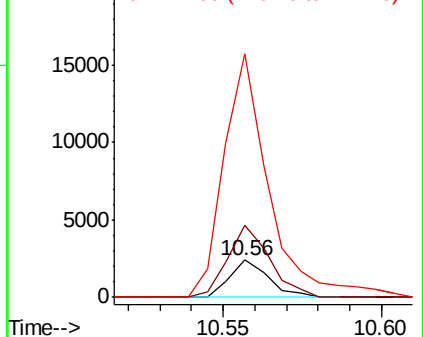
#67
 4-Bromophenyl-phenylether
 Concen: 1.352 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.24 min
 Lab File: BF117520.D
 Acq: 24 Oct 2019 19:46

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-102319

Tot Ion:248 Resp: 2047
 Ion Ratio Lower Upper
 248 100
 250 194.0 78.0 117.0#
 141 651.2 81.7 122.5#

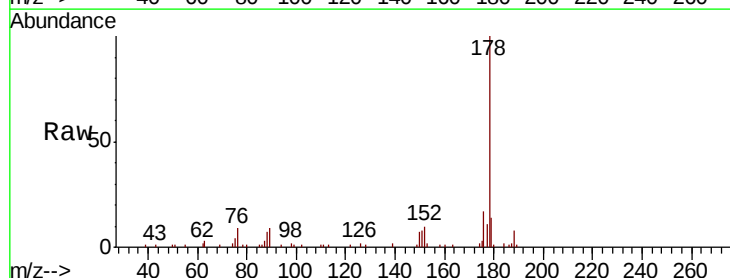


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

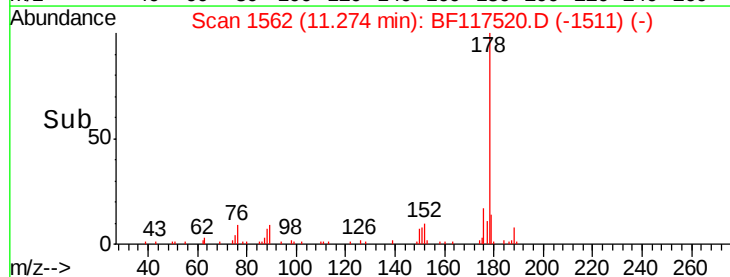
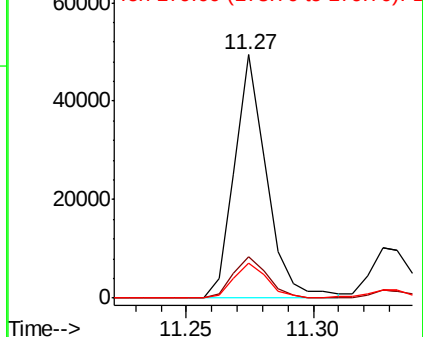


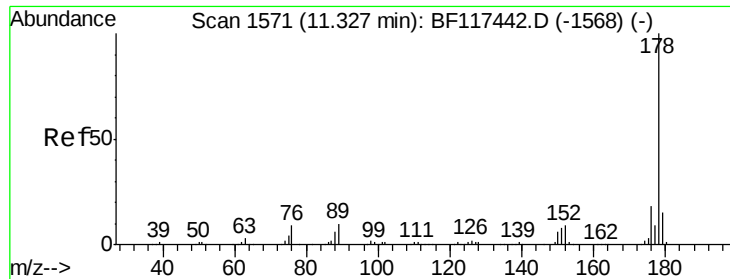
#71
 Phenanthrene
 Concen: 5.316 ng
 RT: 11.27 min Scan# 1562
 Delta R.T. -0.00 min
 Lab File: BF117520.D
 Acq: 24 Oct 2019 19:46

Tgt Ion:178 Resp: 43377
 Ion Ratio Lower Upper
 178 100
 176 16.9 14.6 22.0
 179 14.5 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

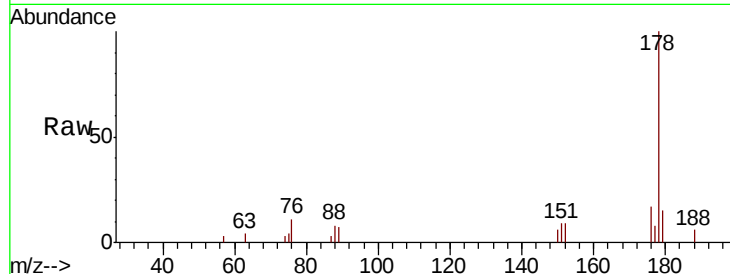




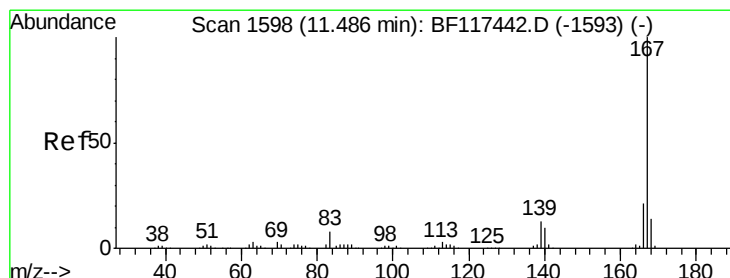
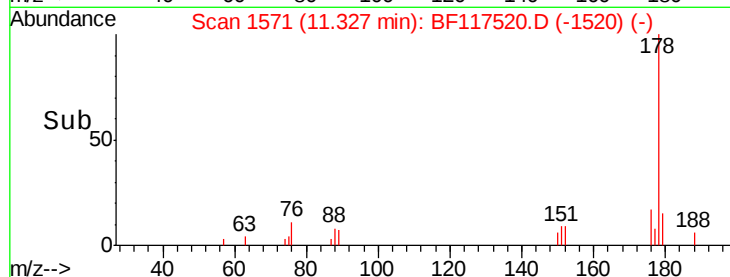
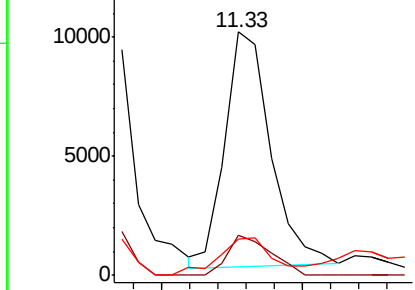
#72
 Anthracene
 Concen: 1.331 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: BF117520.D
 Acq: 24 Oct 2019 19:46

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-102319

Tot Ion:178 Resp: 11142
 Ion Ratio Lower Upper
 178 100
 176 16.6 14.7 22.1
 179 14.9 12.2 18.2

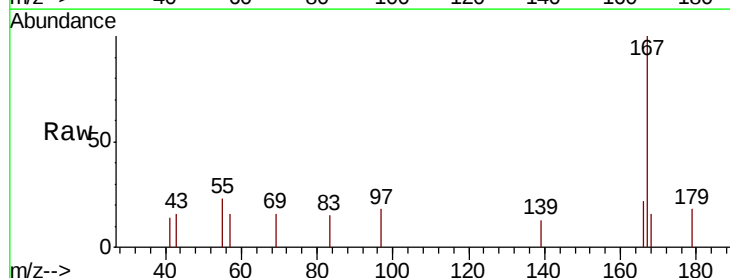


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

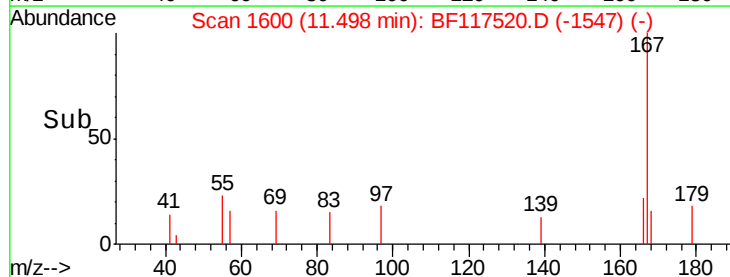
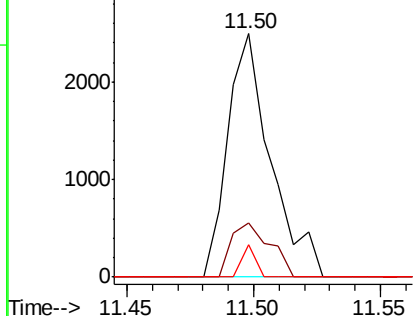


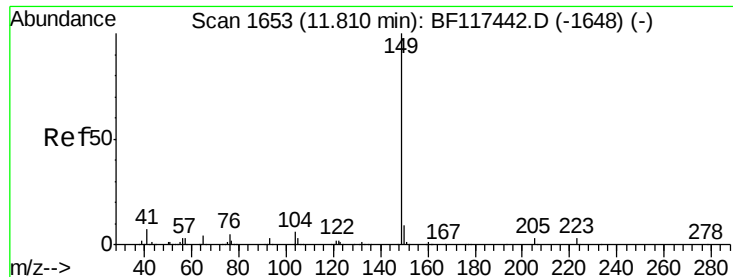
#73
 Carbazole
 Concen: 0.383 ng
 RT: 11.50 min Scan# 1600
 Delta R.T. 0.01 min
 Lab File: BF117520.D
 Acq: 24 Oct 2019 19:46

Tgt Ion:167 Resp: 2927
 Ion Ratio Lower Upper
 167 100
 166 22.0 17.0 25.6
 139 13.2 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: 0.012 ng

RT: 11.81 min Scan# 1653

Delta R.T. -0.00 min

Lab File: BF117520.D

Acq: 24 Oct 2019 19:46

Instrument :

BNA_F

ClientSampleId :

OR-02-102319

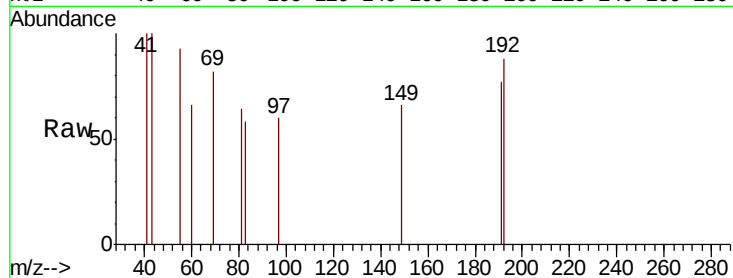
Tot Ion:149 Resp: 126

Ion Ratio Lower Upper

149 100

150 0.0 7.5 11.3#

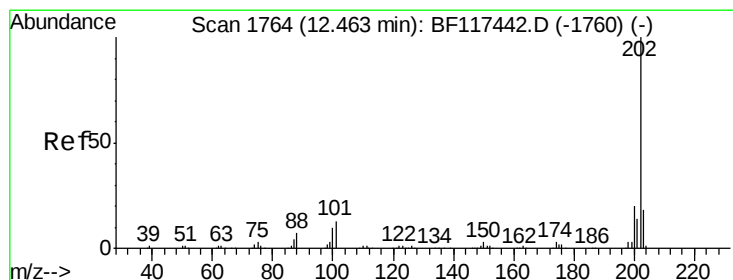
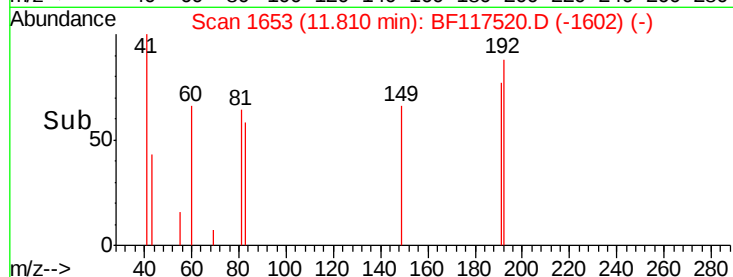
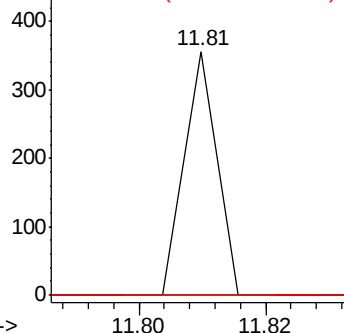
104 0.0 4.6 6.8#



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: 7.937 ng

RT: 12.46 min Scan# 1764

Delta R.T. -0.00 min

Lab File: BF117520.D

Acq: 24 Oct 2019 19:46

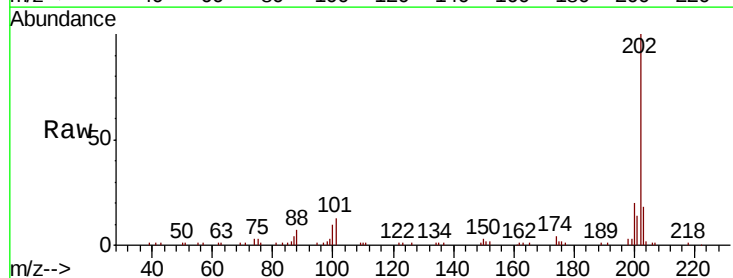
Tgt Ion:202 Resp: 64834

Ion Ratio Lower Upper

202 100

101 13.2 0.0 32.7

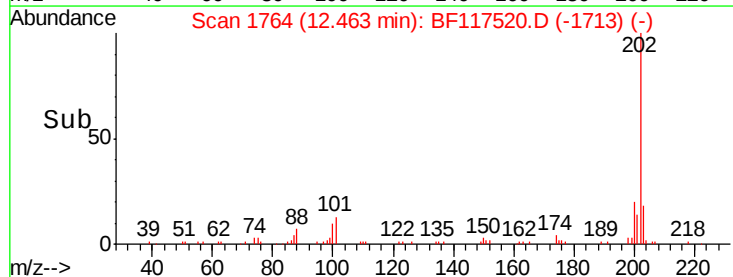
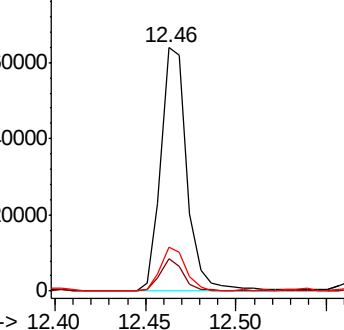
203 18.1 0.0 37.6

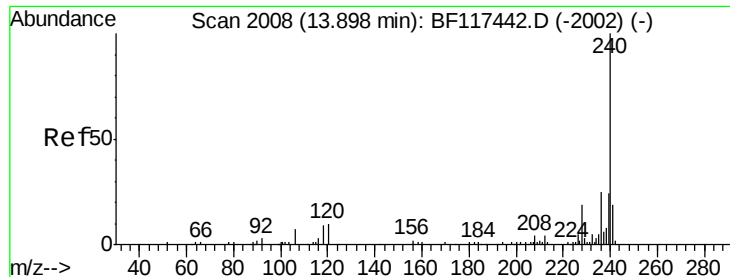


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.89 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF117520.D

Acq: 24 Oct 2019 19:46

Instrument :

BNA_F

ClientSampleId :

OR-02-102319

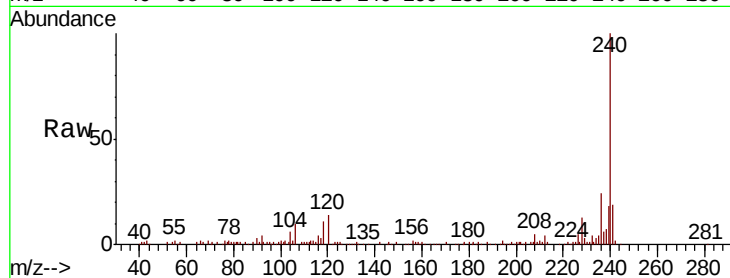
Tot Ion:240 Resp: 91746

Ion Ratio Lower Upper

240 100

120 13.8 8.4 12.6#

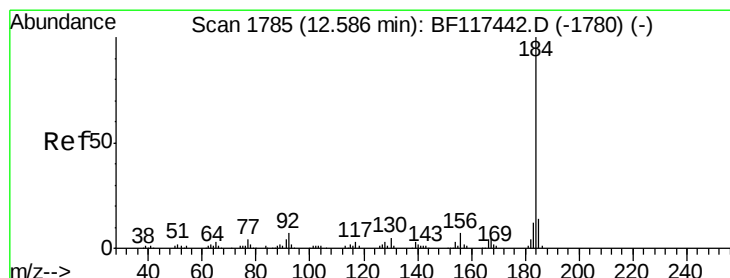
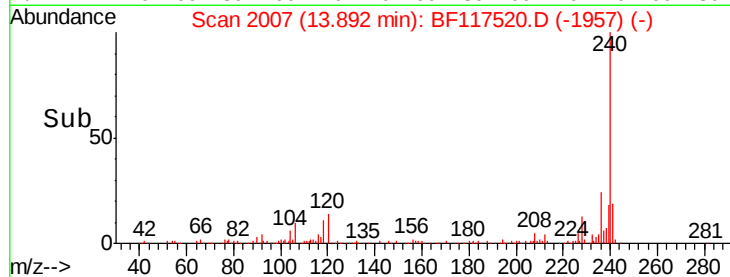
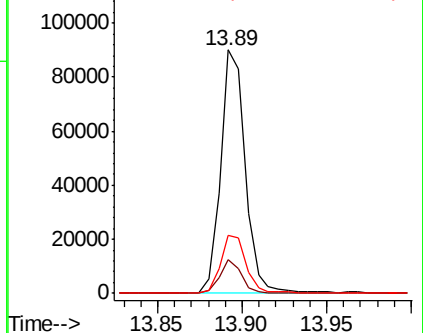
236 24.0 20.0 30.0



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# 1826

Delta R.T. 0.24 min

Lab File: BF117520.D

Acq: 24 Oct 2019 19:46

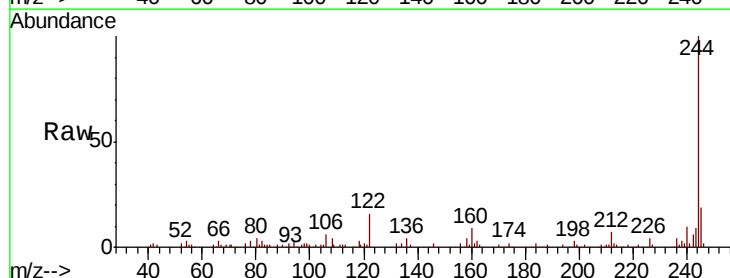
Tgt Ion:184 Resp: 2023

Ion Ratio Lower Upper

184 100

185 17.6 11.4 17.0#

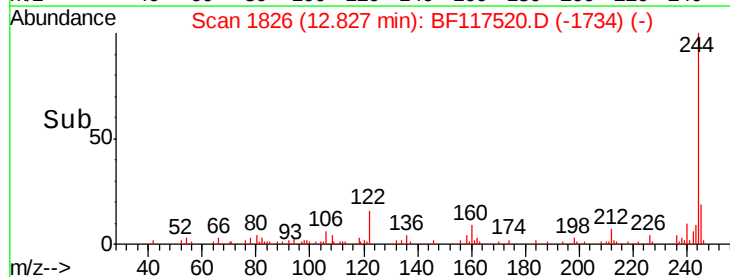
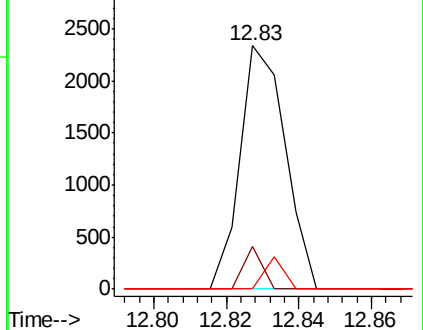
183 0.0 9.6 14.4#

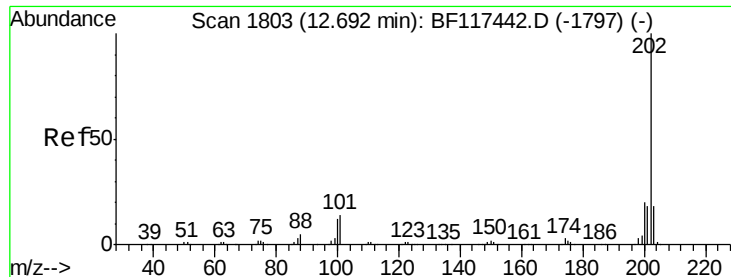


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Pvrene

Concen: 7.693 ng

RT: 12.69 min Scan# 1803

Delta R.T. -0.00 min

Lab File: BF117520.D

Acq: 24 Oct 2019 19:46

Instrument :

BNA_F

ClientSampleId :

OR-02-102319

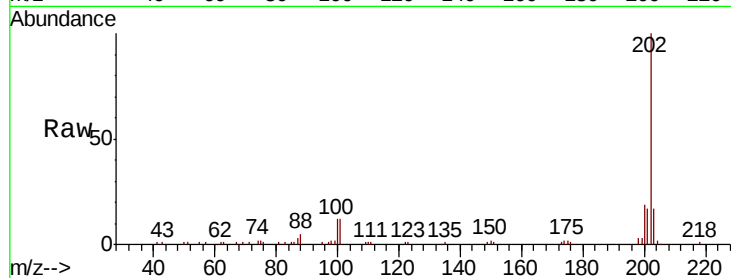
Tot Ion:202 Resp: 60621

Ion Ratio Lower Upper

202 100

200 19.0 16.2 24.2

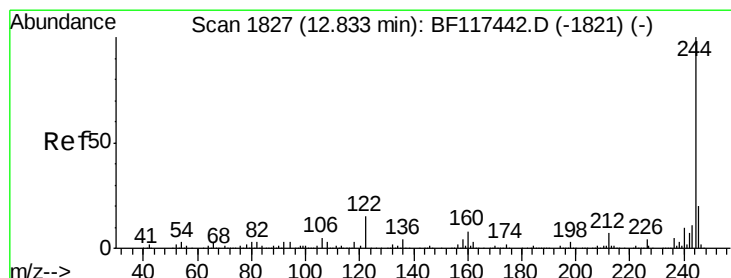
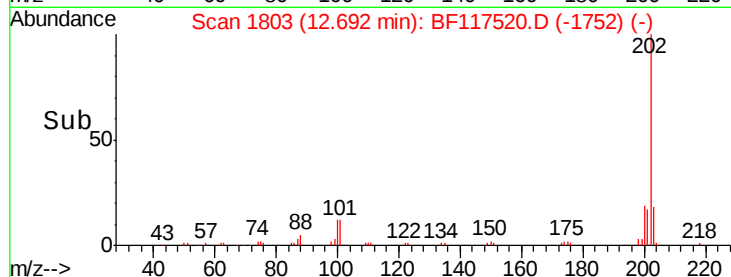
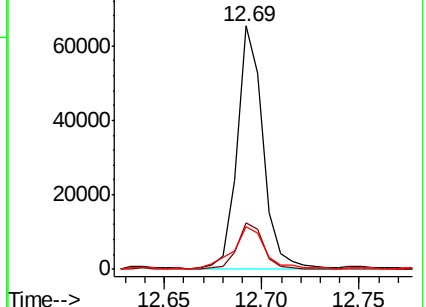
203 17.4 14.0 21.0



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: 25.202 ng

RT: 12.83 min Scan# 1827

Delta R.T. -0.00 min

Lab File: BF117520.D

Acq: 24 Oct 2019 19:46

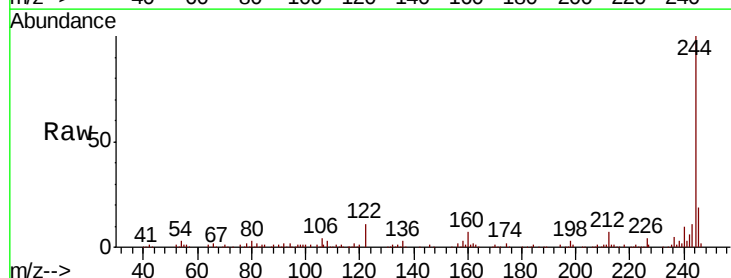
Tgt Ion:244 Resp: 141754

Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.6

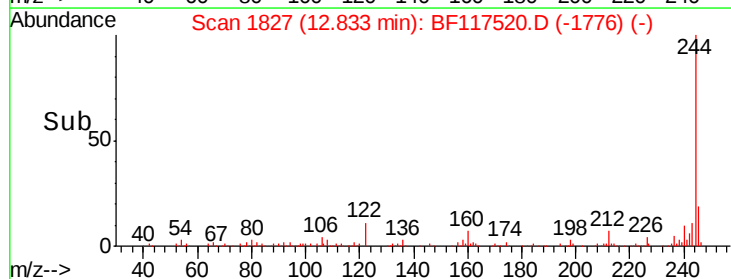
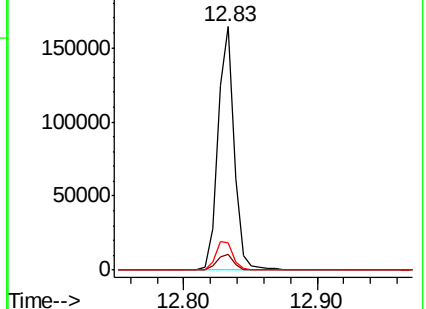
122 11.1 11.8 17.8#

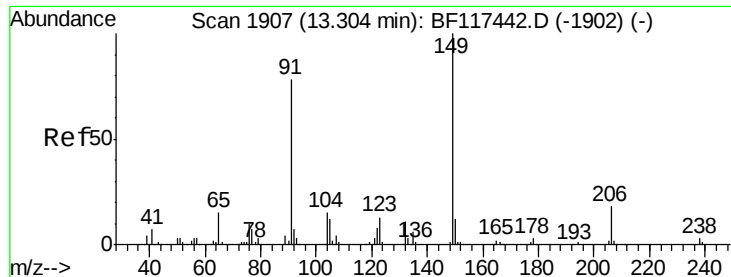


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

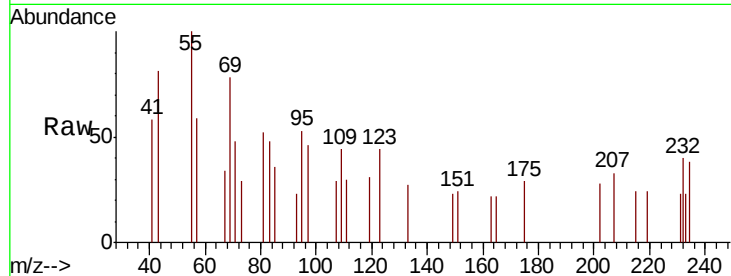




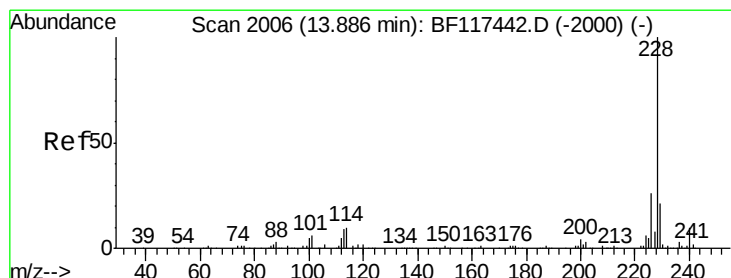
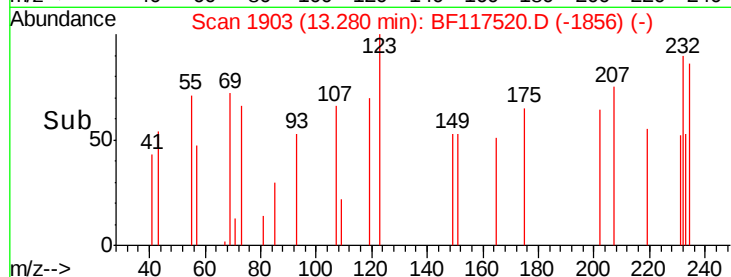
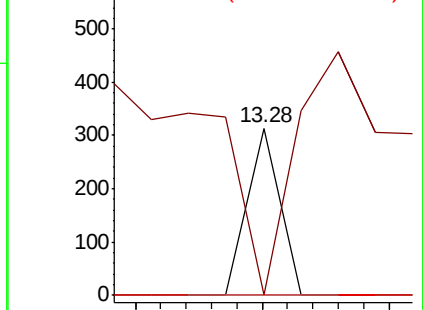
#80
Butylbenzylphthalate
Concen: 0.028 ng
RT: 13.28 min Scan# 1903
Delta R.T. -0.02 min
Lab File: BF117520.D
Acq: 24 Oct 2019 19:46

Instrument :
BNA_F
ClientSampleId :
OR-02-102319

Tot Ion:149 Resp: 111
Ion Ratio Lower Upper
149 100
91 0.0 62.1 93.1#
206 0.0 14.3 21.5#

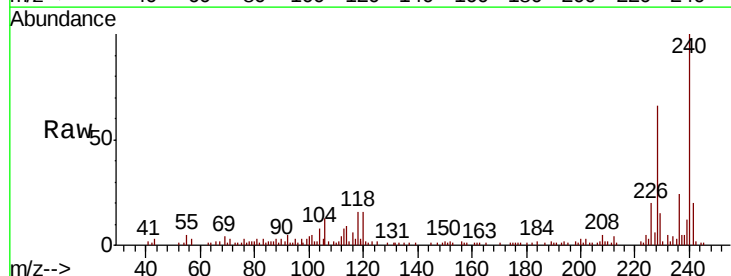


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BF1
Ion 206.00 (205.70 to 206.70): E

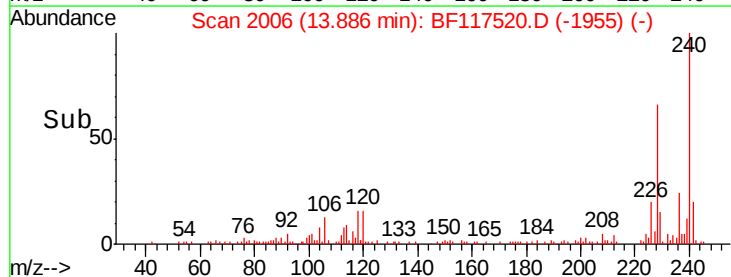
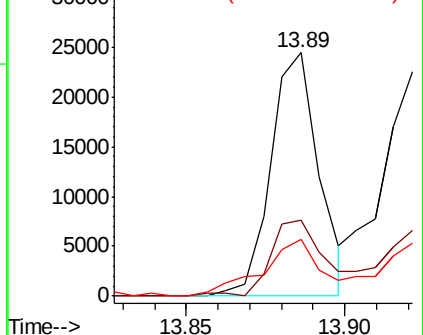


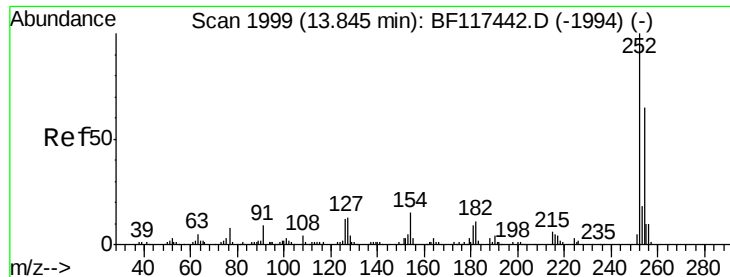
#81
Benzo(a)anthracene
Concen: 4.180 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.00 min
Lab File: BF117520.D
Acq: 24 Oct 2019 19:46

Tgt Ion:228 Resp: 25871
Ion Ratio Lower Upper
228 100
226 30.9 21.0 31.4
229 23.5 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





#82

3,3'-Dichlorobenzidine

Concen: 0.058 ng

RT: 13.92 min Scan# 2012

Delta R.T. 0.08 min

Lab File: BF117520.D

Acq: 24 Oct 2019 19:46

Instrument :

BNA_F

ClientSampleId :

OR-02-102319

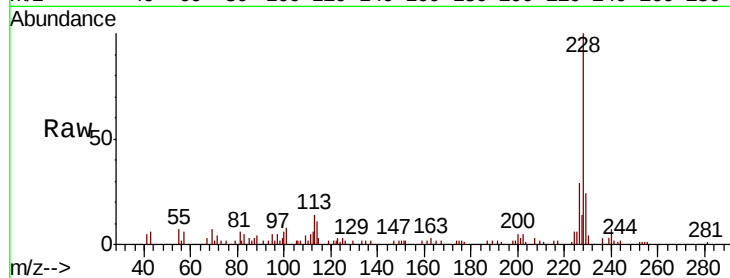
Tot Ion:252 Resp: 112

Ion Ratio Lower Upper

252 100

254 107.0 52.2 78.4#

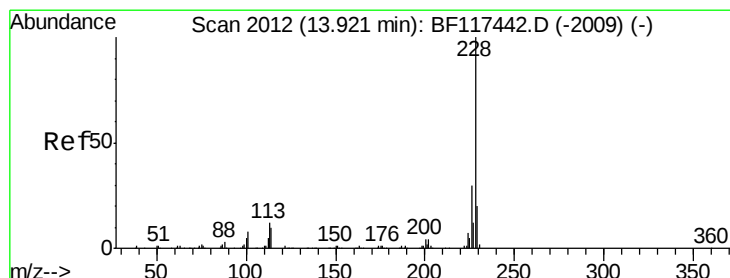
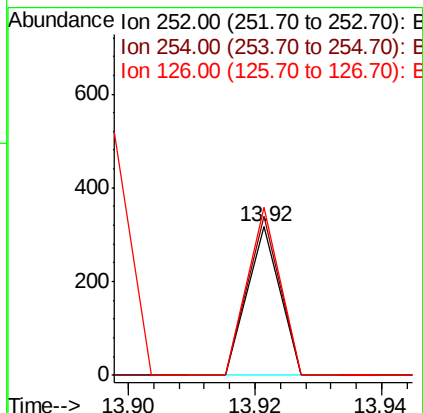
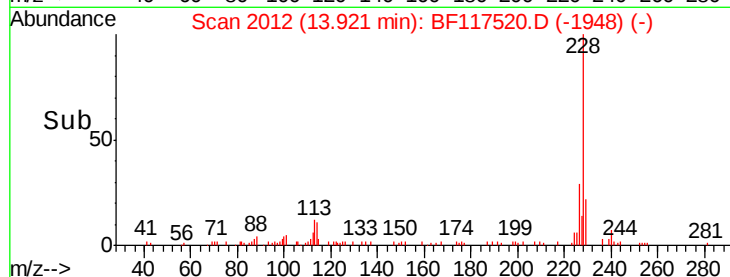
126 113.6 9.2 13.8#



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: 4.265 ng

RT: 13.89 min Scan# 2006

Delta R.T. -0.04 min

Lab File: BF117520.D

Acq: 24 Oct 2019 19:46

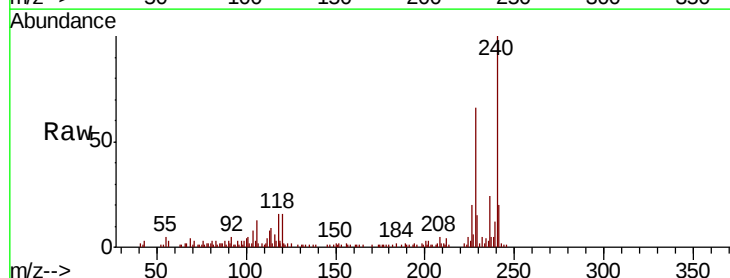
Tgt Ion:228 Resp: 25871

Ion Ratio Lower Upper

228 100

226 30.9 23.9 35.9

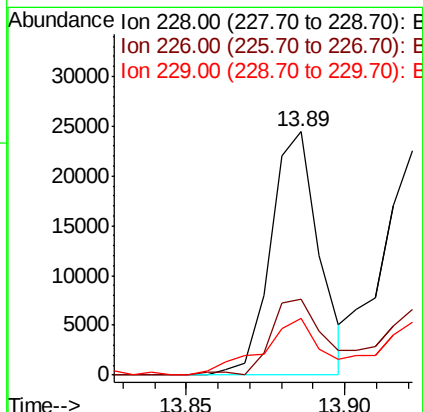
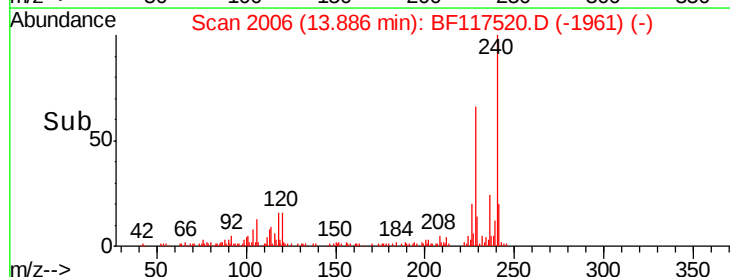
229 23.5 15.8 23.6

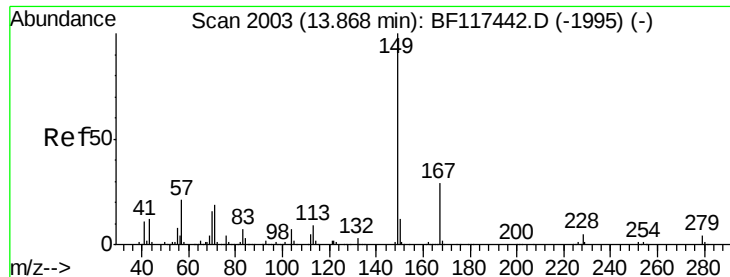


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 0.342 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF117520.D

Acq: 24 Oct 2019 19:46

Instrument :

BNA_F

ClientSampleId :

OR-02-102319

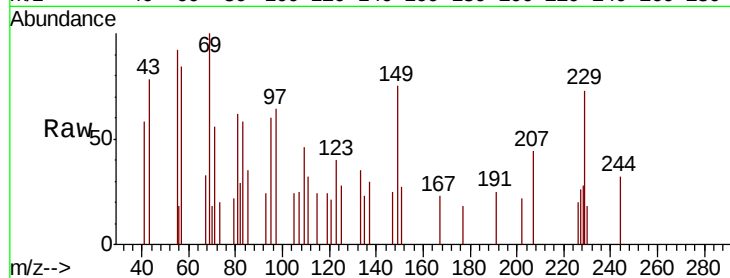
Tot Ion:149 Resp: 1877

Ion Ratio Lower Upper

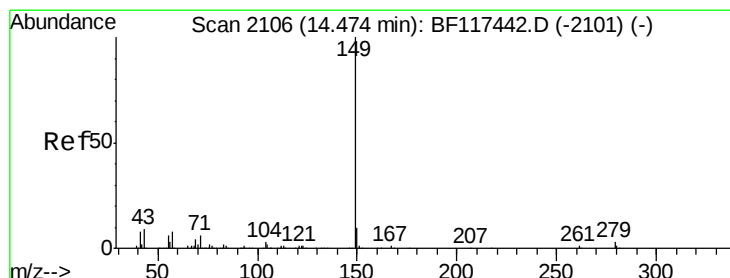
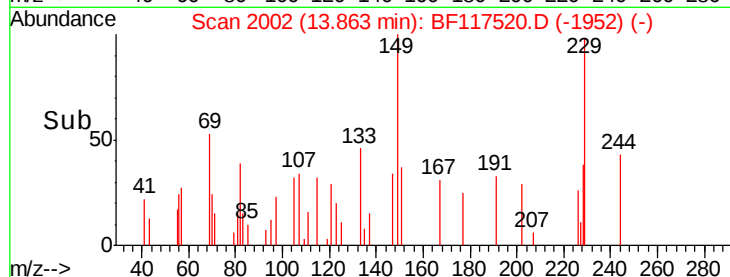
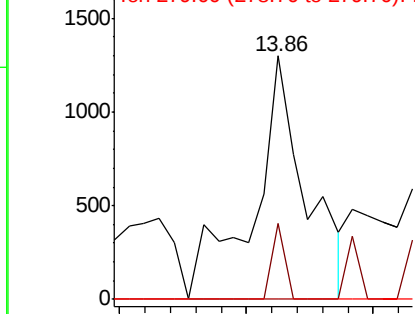
149 100

167 31.1 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: 0.089 ng

RT: 14.46 min Scan# 2103

Delta R.T. -0.02 min

Lab File: BF117520.D

Acq: 24 Oct 2019 19:46

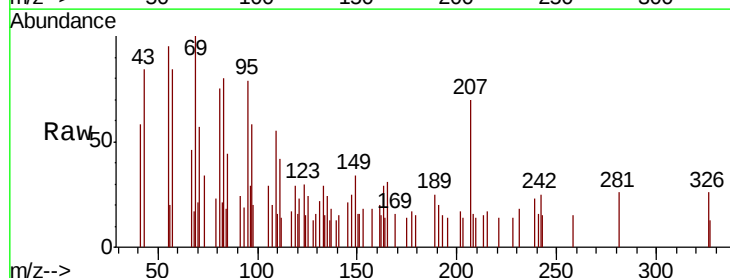
Tgt Ion:149 Resp: 749

Ion Ratio Lower Upper

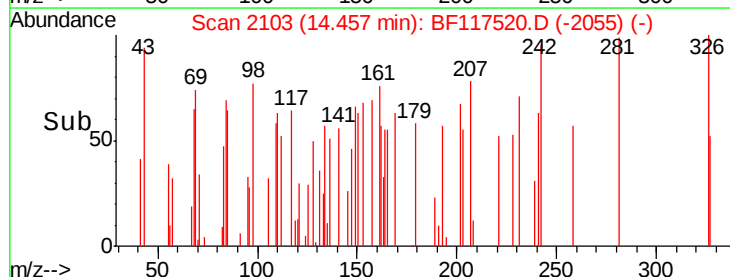
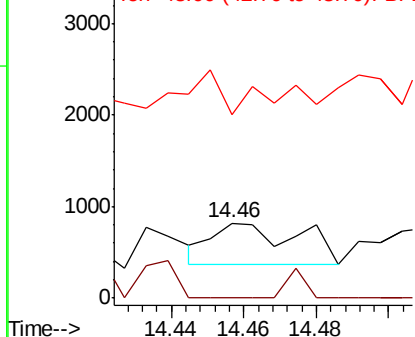
149 100

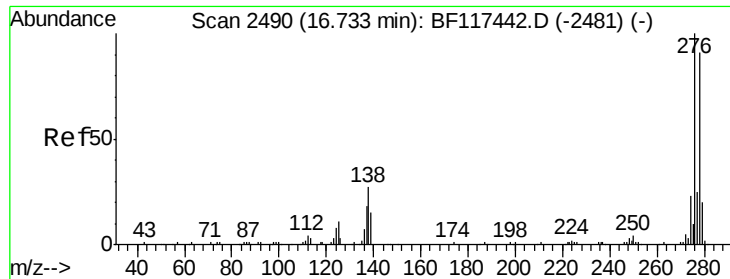
167 0.0 1.2 1.8#

43 82.8 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

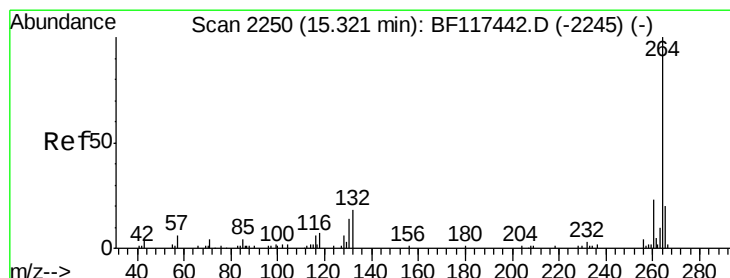
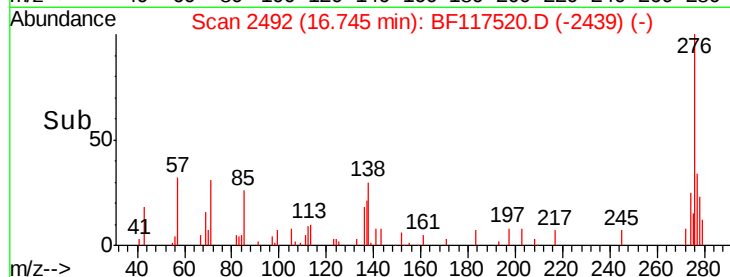
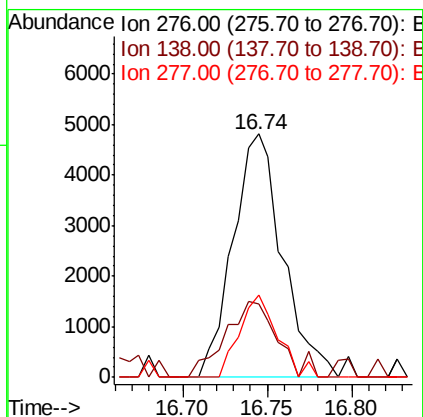
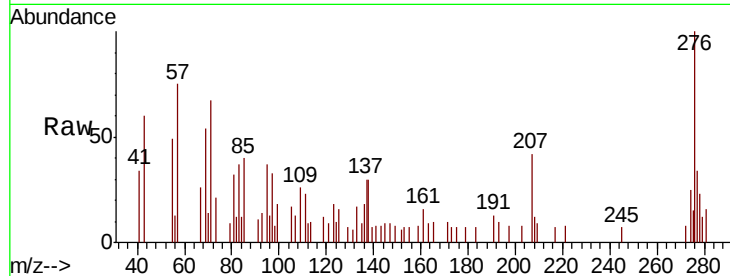




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.173 ng
 RT: 16.74 min Scan# 2492
 Delta R.T. 0.01 min
 Lab File: BF117520.D
 Acq: 24 Oct 2019 19:46

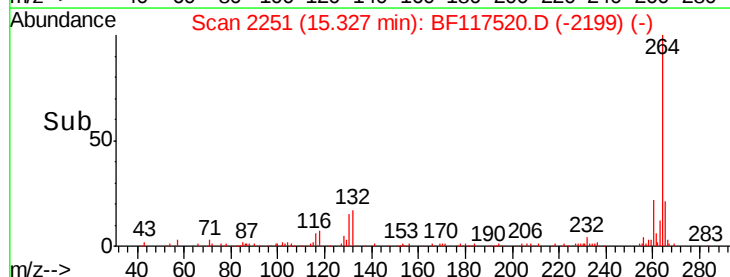
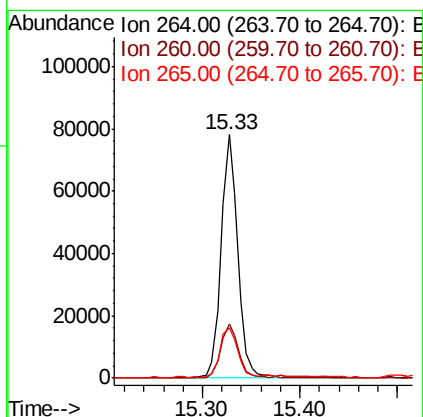
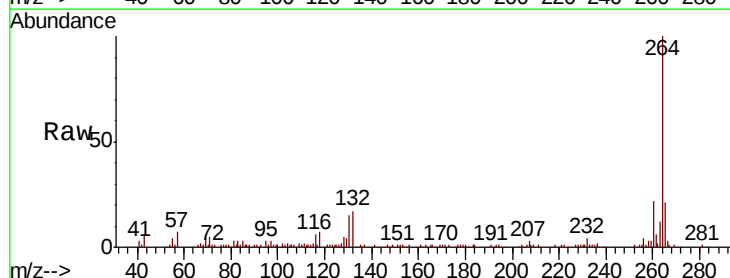
Instrument :
 BNA_F
 ClientSampleId :
 OR-02-102319

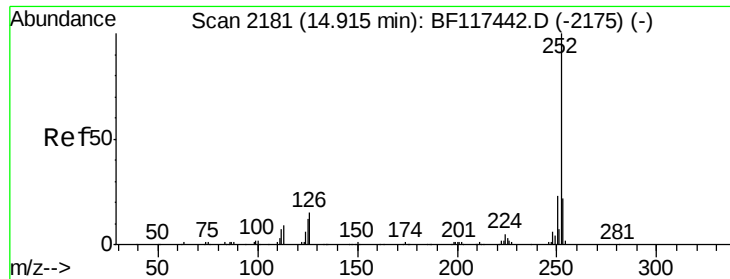
Tot Ion:276 Resp: 9838
 Ion Ratio Lower Upper
 276 100
 138 33.0 21.8 32.8#
 277 25.9 20.0 30.0



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.33 min Scan# 2251
 Delta R.T. 0.01 min
 Lab File: BF117520.D
 Acq: 24 Oct 2019 19:46

Tgt Ion:264 Resp: 93341
 Ion Ratio Lower Upper
 264 100
 260 22.1 18.4 27.6
 265 20.5 16.1 24.1

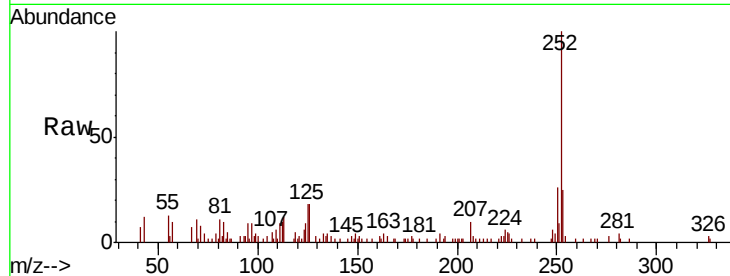




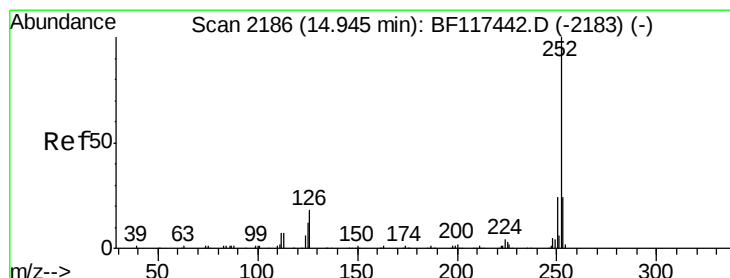
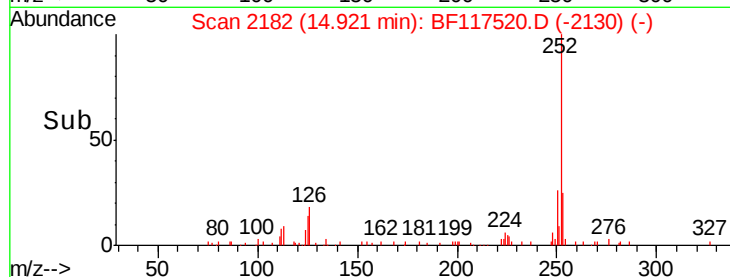
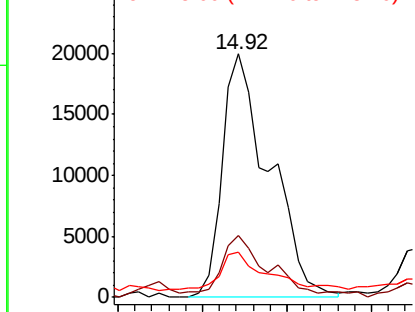
#88
Benzo(b)fluoranthene
Concen: 6.998 ng
RT: 14.92 min Scan# 2182
Delta R.T. 0.01 min
Lab File: BF117520.D
Acq: 24 Oct 2019 19:46

Instrument :
BNA_F
ClientSampleId :
OR-02-102319

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.8	26.6
125	18.4	9.9	14.9

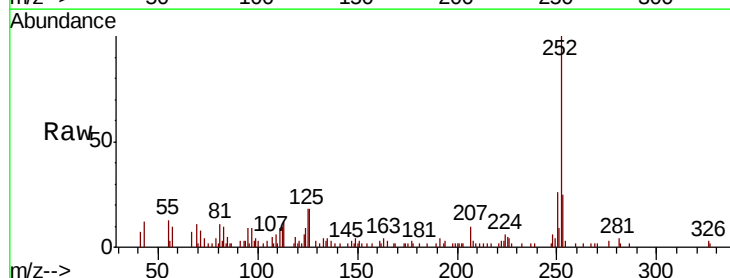


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

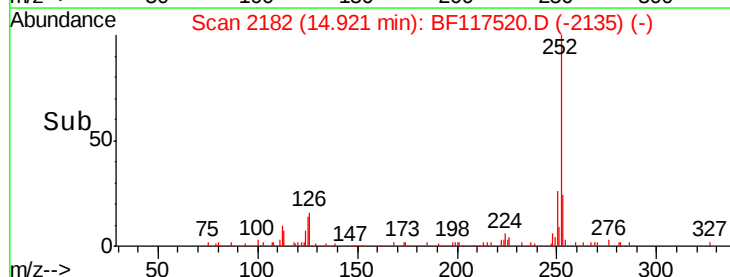
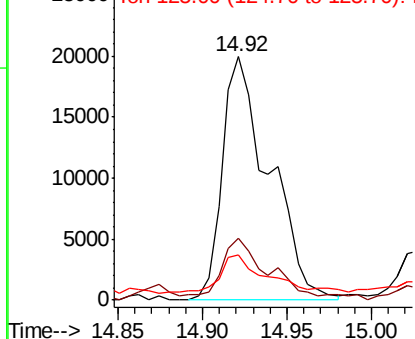


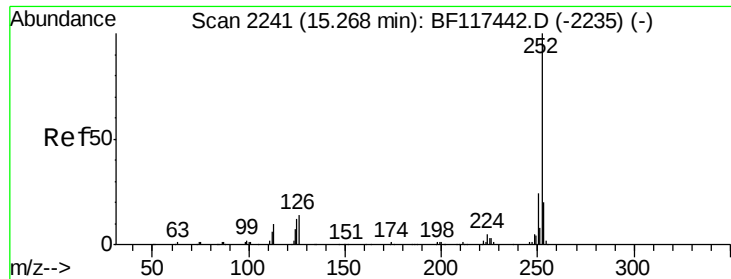
#89
Benzo(k)fluoranthene
Concen: 6.828 ng
RT: 14.92 min Scan# 2182
Delta R.T. -0.02 min
Lab File: BF117520.D
Acq: 24 Oct 2019 19:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.2	18.0	27.0
125	18.4	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

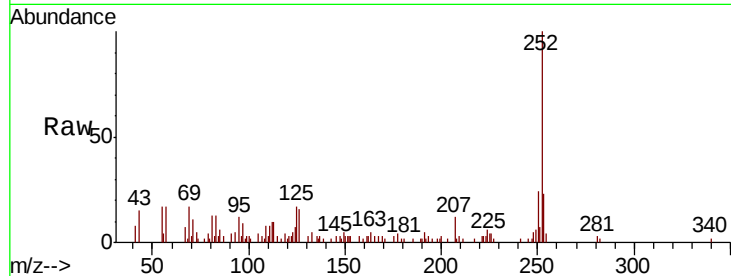




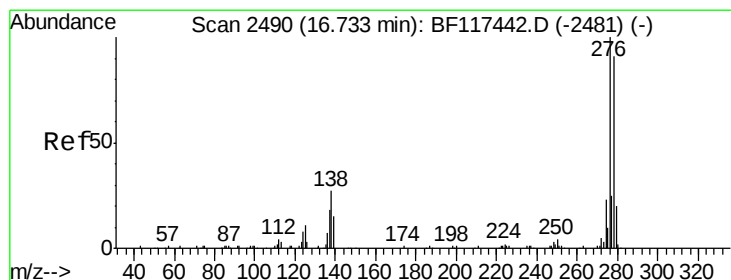
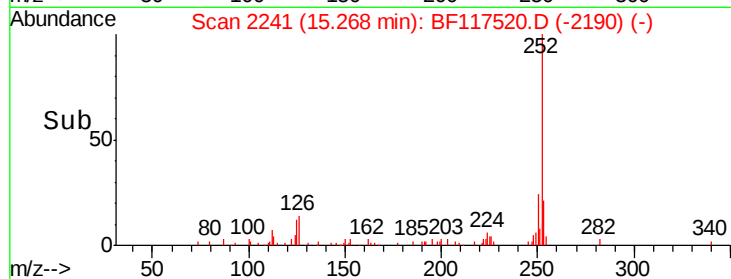
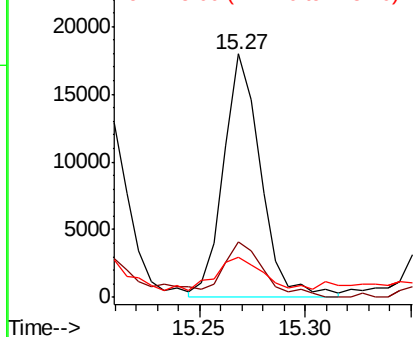
#90
Benzo(a)pyrene
Concen: 4.381 ng
RT: 15.27 min Scan# 2241
Delta R.T. -0.00 min
Lab File: BF117520.D
Acq: 24 Oct 2019 19:46

Instrument :
BNA_F
ClientSampleId :
OR-02-102319

Tot Ion:252 Resp: 21956
Ion Ratio Lower Upper
252 100
253 22.6 16.3 24.5
125 16.7 9.2 13.8#

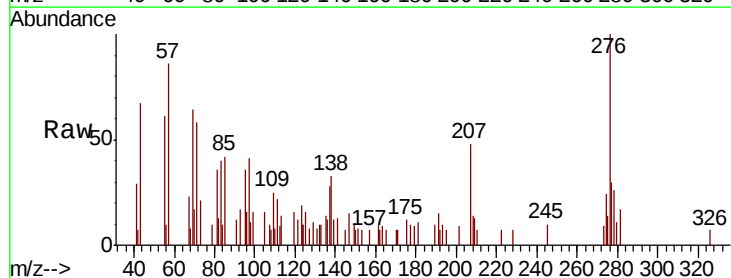


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

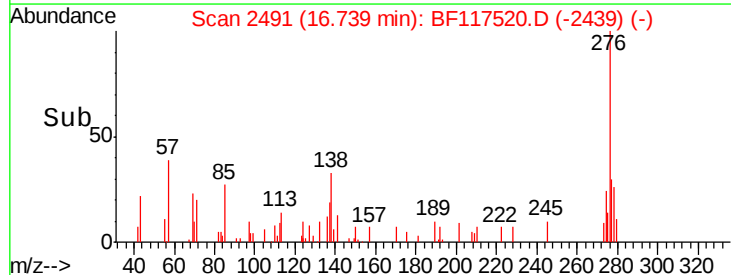
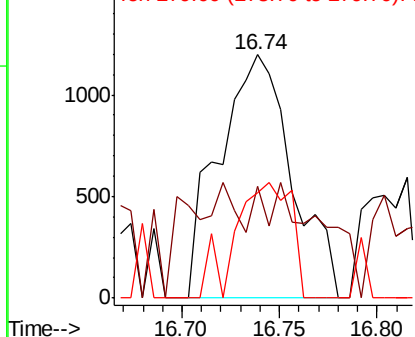


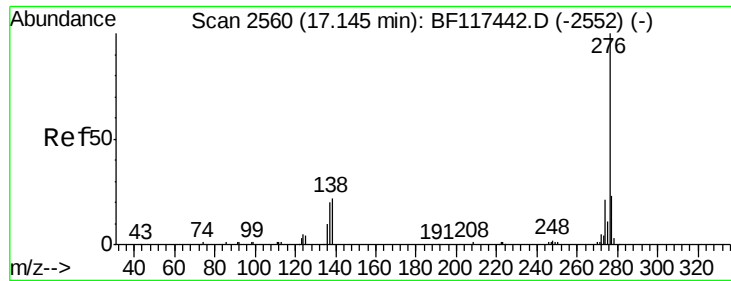
#91
Dibenzo(a,h)anthracene
Concen: 0.720 ng
RT: 16.74 min Scan# 2491
Delta R.T. 0.01 min
Lab File: BF117520.D
Acq: 24 Oct 2019 19:46

Tgt Ion:278 Resp: 3119
Ion Ratio Lower Upper
278 100
139 46.2 13.4 20.0#
279 43.3 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

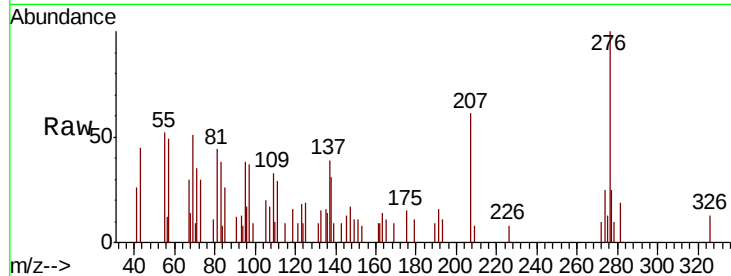




#92
 Benzo(a,h,i)perylene
 Concen: 2.107 ng
 RT: 17.17 min Scan# 2564
 Delta R.T. 0.02 min
 Lab File: BF117520.D
 Acq: 24 Oct 2019 19:46

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-102319

Tot Ion: 276 Resp: 8640
 Ion Ratio Lower Upper
 276 100
 277 25.2 18.4 27.6
 138 31.3 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

