

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\
 Data File : BF117514.D
 Acq On : 24 Oct 2019 17:06
 Operator : JU
 Sample : K5500-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 802-00-(0-2)

Quant Time: Oct 25 01:04:38 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	45584	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	187607	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	98110	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	153018	20.00	ng	0.00
76) Chrysene-d12	13.89	240	88305	20.00	ng	0.00
87) Perylene-d12	15.33	264	99604	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.36	112	285438	93.16	ng	0.00
7) Phenol-d6	6.39	99	390164	94.81	ng	0.00
23) Nitrobenzene-d5	7.30	82	236628	62.27	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	74406	87.65	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	365121	52.44	ng	0.00
79) Terphenyl-d14	12.83	244	288340	53.26	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Aniline	6.51	93	341	0.071	ng	# 1
9) Benzaldehyde	6.39	77	452	Below Cal		# 3
10) Phenol	6.39	94	10307	2.454	ng	# 88
11) bis(2-Chloroethyl)ether	6.51	93	341	0.110	ng	# 1
15) Benzyl Alcohol	6.89	79	3581	1.218	ng	# 45
19) n-Nitroso-di-n-propylamine	7.30	70	30827	12.265	ng	# 79
24) Nitrobenzene	7.30	77	542	0.149	ng	# 41
25) Isophorone	7.30	82	236625	35.994	ng	# 65
31) Naphthalene	8.04	128	351	0.038	ng	# 69
46) 1,1'-Biphenyl	9.19	154	361	0.044	ng	# 43
47) 2-Chloronaphthalene	9.48	162	305	0.050	ng	# 1
48) 2-Nitroaniline	9.48	65	523	0.260	ng	# 1
49) Acenaphthylene	9.63	152	283	0.031	ng	# 62
50) Dimethylphthalate	9.48	163	50912	7.279	ng	# 98
51) 2,6-Dinitrotoluene	9.76	165	12653	8.669	ng	# 22
52) Acenaphthene	9.80	154	2450	0.444	ng	# 94
55) Dibenzofuran	9.98	168	1185	0.148	ng	# 81
56) 4-Nitrophenol	9.97	139	222	4.388	ng	# 6
57) 2,4-Dinitrotoluene	9.76	165	12653	6.521	ng	# 12
58) Fluorene	10.32	166	2335	0.353	ng	# 86
63) Azobenzene	10.56	77	386	0.053	ng	# 15
66) n-Nitrosodiphenylamine	10.56	169	2932	0.524	ng	# 51
67) 4-Bromophenyl-phenylether	10.56	248	4771	2.895	ng	# 1
71) Phenanthrene	11.27	178	22432	2.525	ng	# 97
72) Anthracene	11.27	178	22432	2.461	ng	# 97
73) Carbazole	11.50	167	1974	0.237	ng	# 59
74) Di-n-butylphthalate	11.81	149	261	0.023	ng	# 78
75) Fluoranthene	12.46	202	44390	4.991	ng	# 99
77) Benzdine	12.83	184	3644	Below Cal		# 94
78) Pyrene	12.69	202	37065	4.887	ng	# 96
80) Butylbenzylphthalate	13.30	149	824	0.218	ng	# 79
81) Benzo(a)anthracene	13.92	228	13364	2.244	ng	# 96
83) Chrysene	13.92	228	13364	2.289	ng	# 97
84) Bis(2-ethylhexyl)phthalate	13.86	149	2188	0.414	ng	# 87

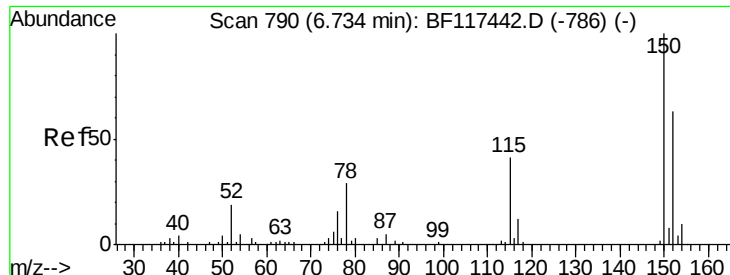
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\
 Data File : BF117514.D
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 Operator : JU
 Sample : K5500-03
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
85) Di-n-octyl phthalate	14.49	149	261	0.032	nq	# 62
86) Indeno(1,2,3-cd)pyrene	16.75	276	7559	1.734	nq	# 94
88) Benzo(b)fluoranthene	14.92	252	23103	3.928	nq	# 94
89) Benzo(k)fluoranthene	14.92	252	23103	3.832	nq	# 94
90) Benzo(a)pyrene	15.27	252	13282	2.484	nq	# 84
91) Dibenzo(a,h)anthracene	16.74	278	1990	0.430	nq	# 47
92) Benzo(q,h,i)perylene	17.17	276	6711	1.534	nq	# 92

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

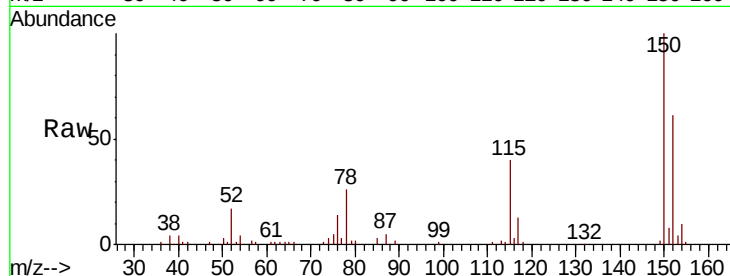


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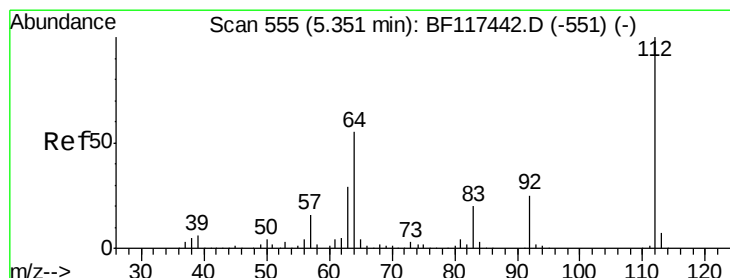
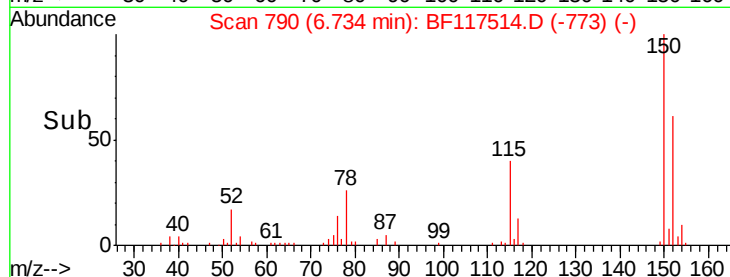
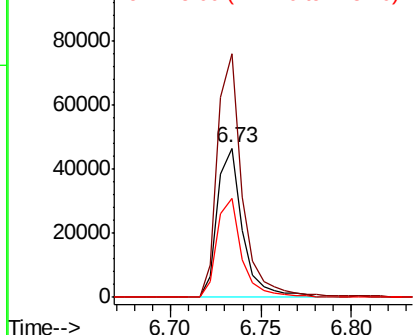
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. 0.00 min
Lab File: BF117514.D
Acq: 24 Oct 2019 17:06

Instrument :
BNA_F
ClientSampleId :
802-00-(0-2)

Tot Ion:152 Resp: 45584
Ion Ratio Lower Upper
152 100
150 162.9 126.8 190.2
115 65.9 51.6 77.4



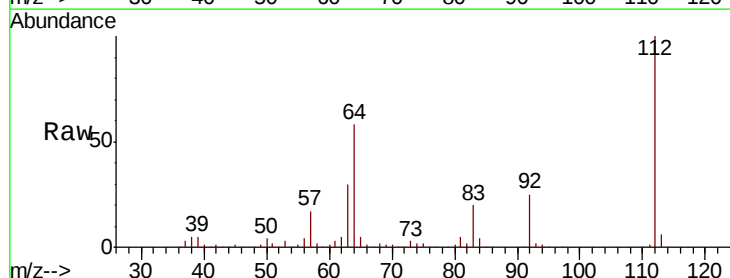
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



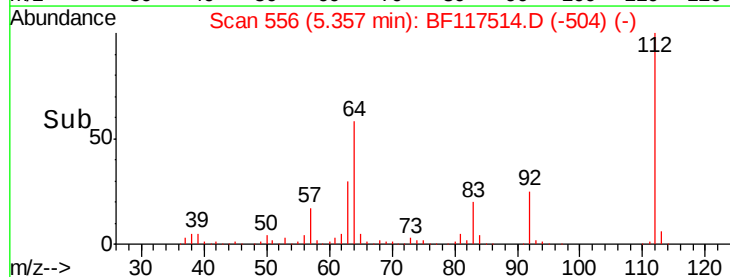
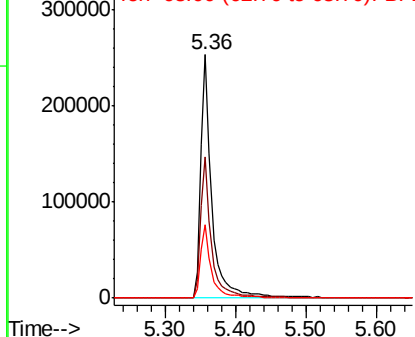
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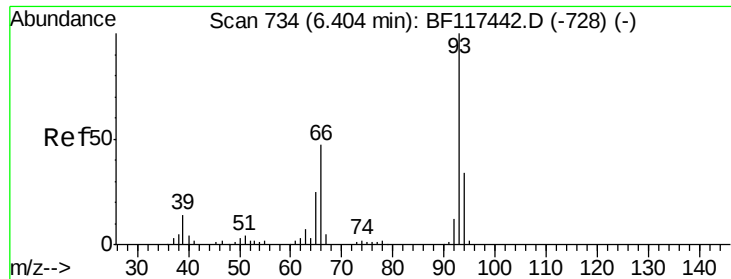
2-Fluorophenol
Concen: 93.157 ng
RT: 5.36 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF117514.D
Acq: 24 Oct 2019 17:06

Tgt Ion:112 Resp: 285438
Ion Ratio Lower Upper
112 100
64 57.8 44.1 66.1
63 30.2 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





#6

Aniline

Concen: 0.071 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.11 min

Lab File: BF117514.D

Acq: 24 Oct 2019 17:06

Instrument :

BNA_F

ClientSampleId :

802-00-(0-2)

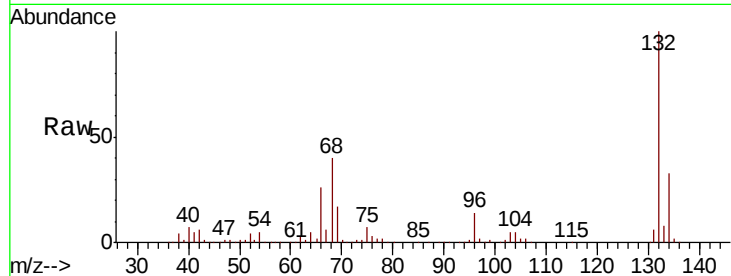
Tot Ion: 93 Resp: 341

Ion Ratio Lower Upper

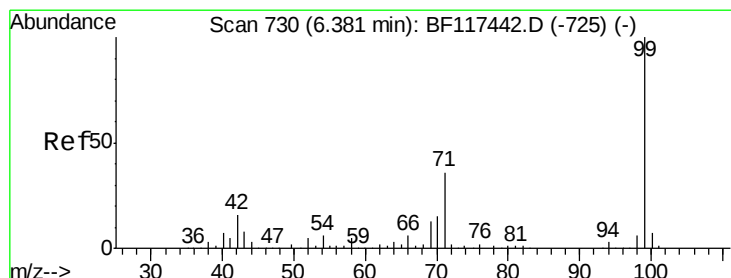
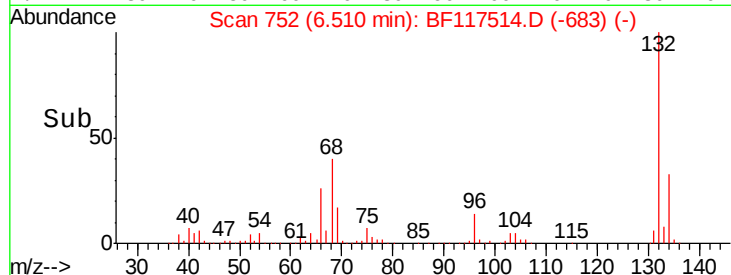
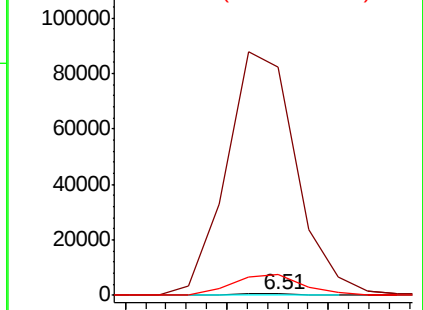
93 100

66 15204.4 38.7 58.1#

65 1418.1 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: 94.807 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF117514.D

Acq: 24 Oct 2019 17:06

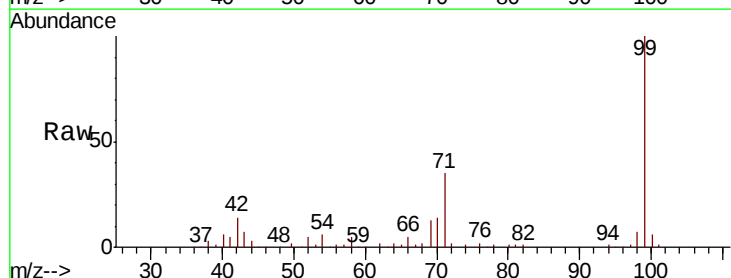
Tgt Ion: 99 Resp: 390164

Ion Ratio Lower Upper

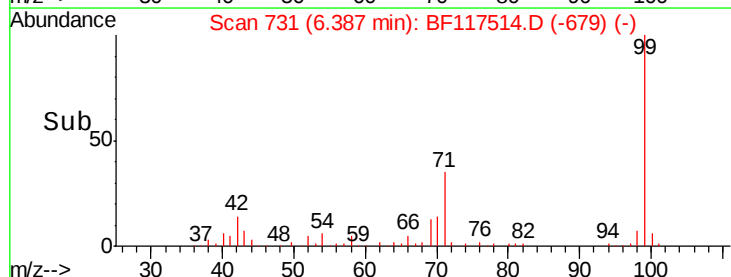
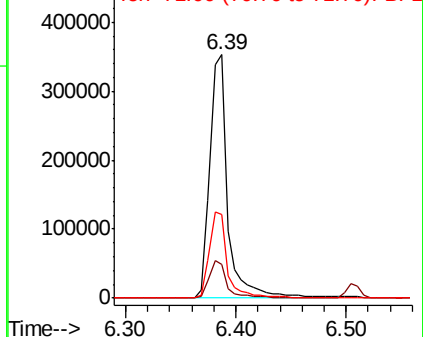
99 100

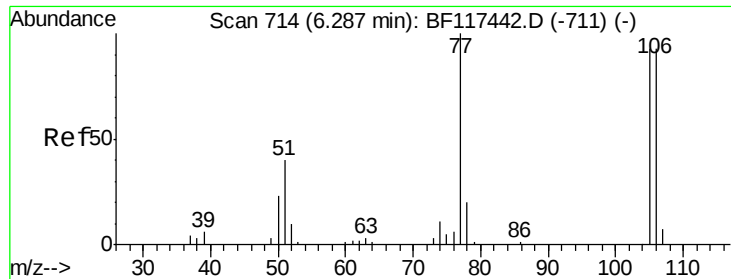
42 13.9 12.8 19.2

71 34.5 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: 6.39 min Scan# 731

Delta R.T. 0.10 min

Lab File: BF117514.D

Acq: 24 Oct 2019 17:06

Instrument :

BNA_F

ClientSampleId :

802-00-(0-2)

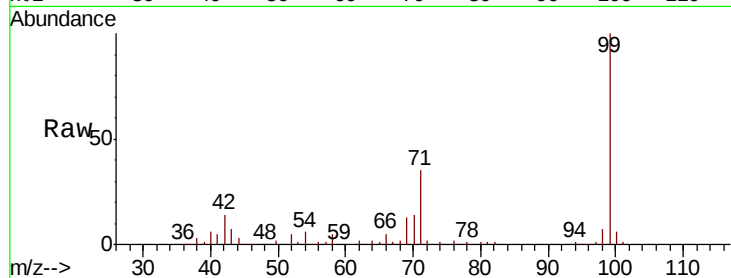
Tot Ion: 77 Resp: 452

Ion Ratio Lower Upper

77 100

105 0.0 73.4 113.4#

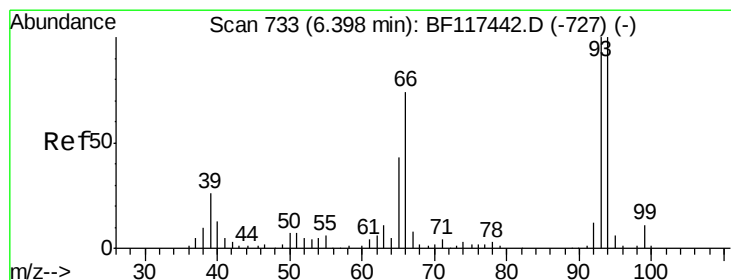
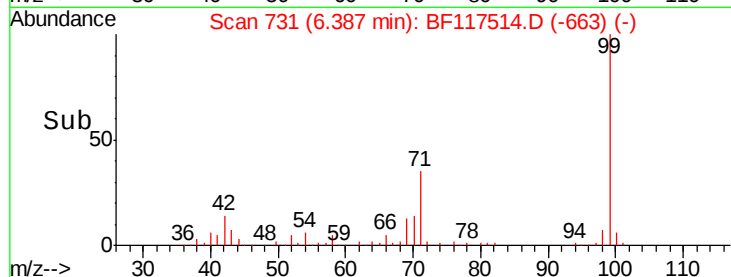
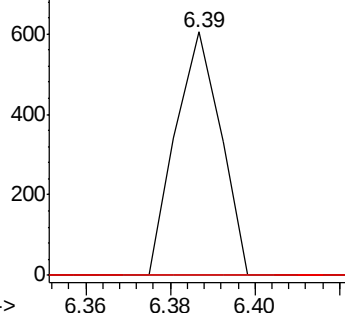
106 0.0 73.0 113.0#



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: 2.454 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.01 min

Lab File: BF117514.D

Acq: 24 Oct 2019 17:06

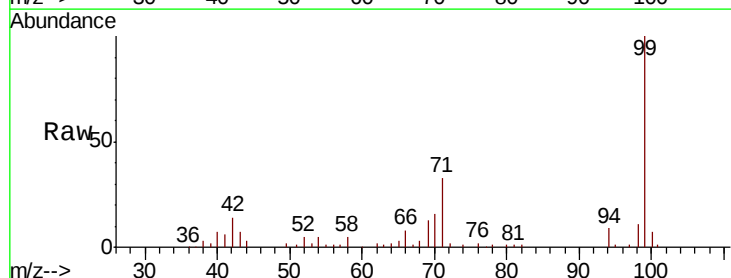
Tgt Ion: 94 Resp: 10307

Ion Ratio Lower Upper

94 100

65 39.6 23.4 63.4

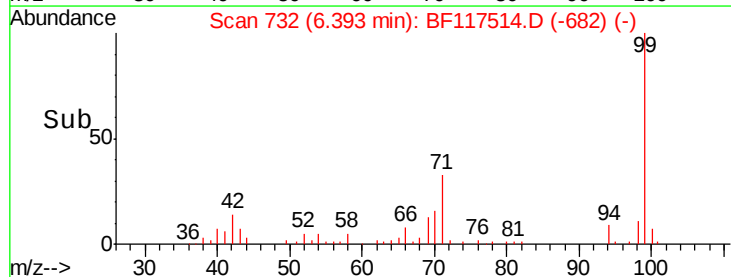
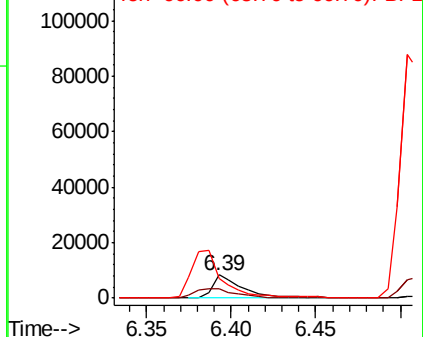
66 87.2 54.7 94.7

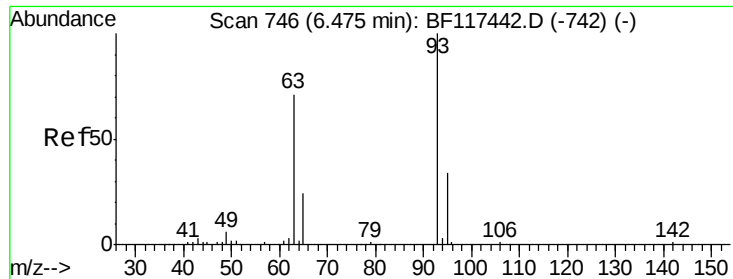


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

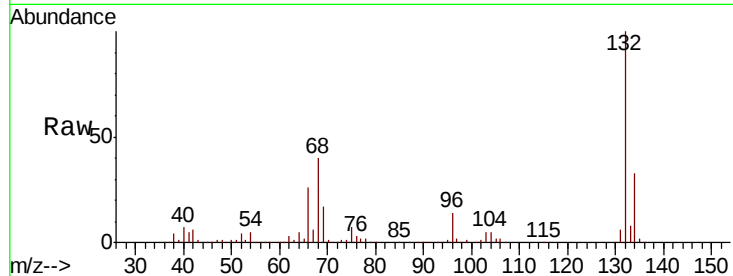




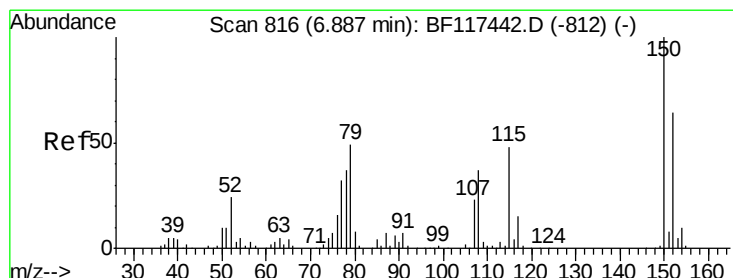
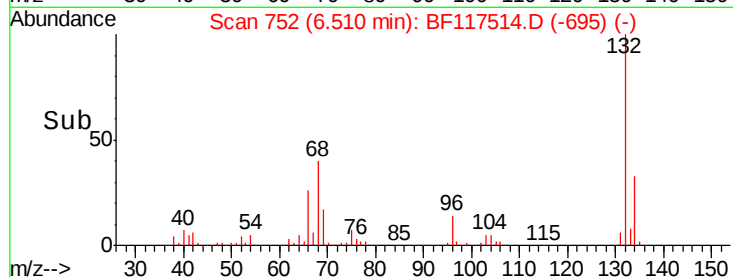
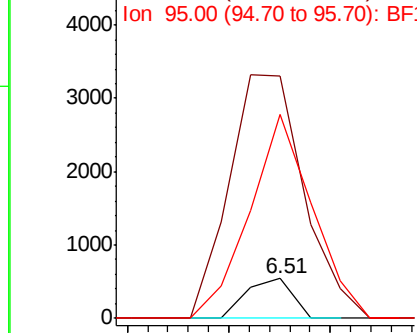
#11
bis(2-Chloroethyl)ether
Concen: 0.110 ng
RT: 6.51 min Scan# 752
Delta R.T. 0.04 min
Lab File: BF117514.D
Acq: 24 Oct 2019 17:06

Instrument :
BNA_F
ClientSampleId :
802-00-(0-2)

Tot Ion: 93 Resp: 341
Ion Ratio Lower Upper
93 100
63 611.9 50.2 90.2#
95 514.4 13.9 53.9#

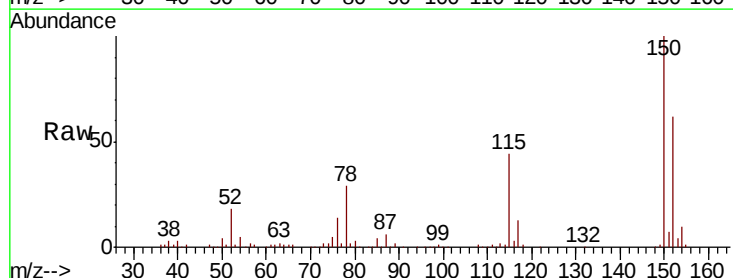


Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 63.00 (62.70 to 63.70): BF1
Ion 95.00 (94.70 to 95.70): BF1

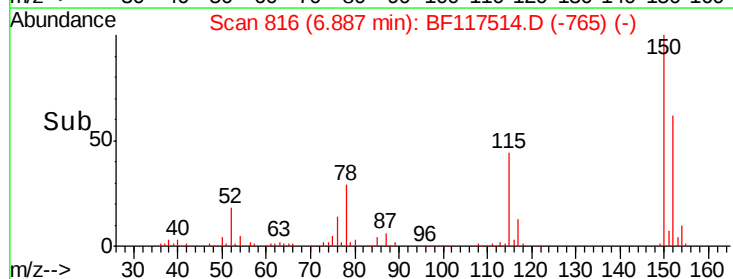
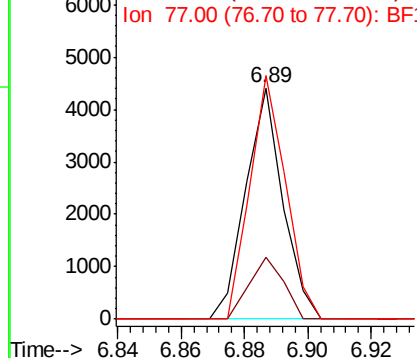


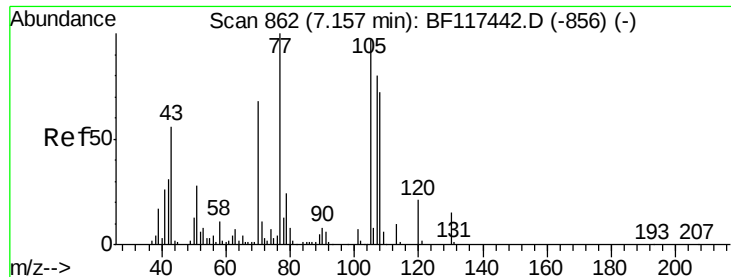
#15
Benzyl Alcohol
Concen: 1.218 ng
RT: 6.89 min Scan# 816
Delta R.T. 0.00 min
Lab File: BF117514.D
Acq: 24 Oct 2019 17:06

Tgt Ion: 79 Resp: 3581
Ion Ratio Lower Upper
79 100
108 26.7 59.8 89.8#
77 105.4 51.4 77.0#



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

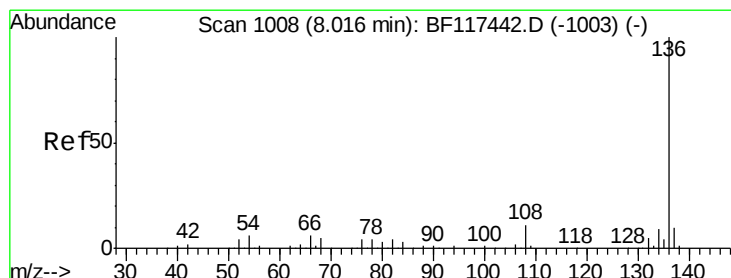
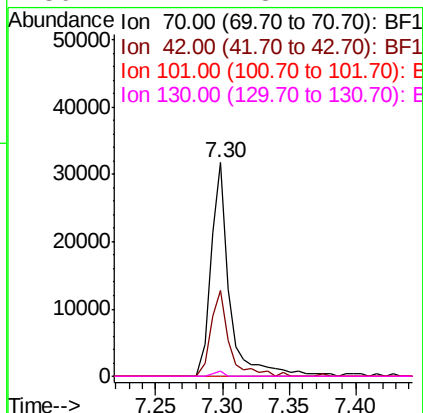
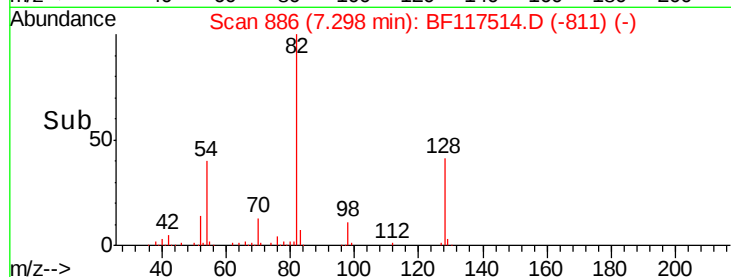
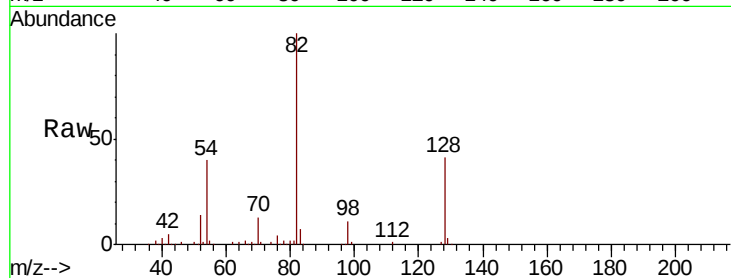




#19
n-Nitroso-di-n-propylamine
Concen: 12.265 ng
RT: 7.30 min Scan# 886
Delta R.T. 0.14 min
Lab File: BF117514.D
Acq: 24 Oct 2019 17:06

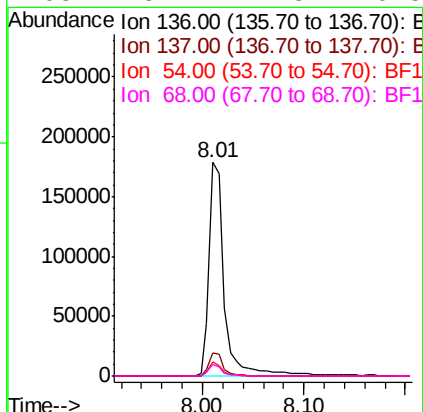
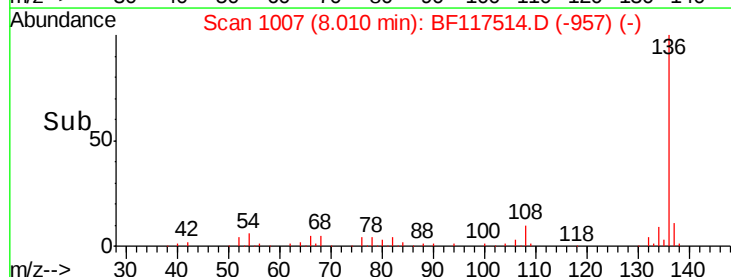
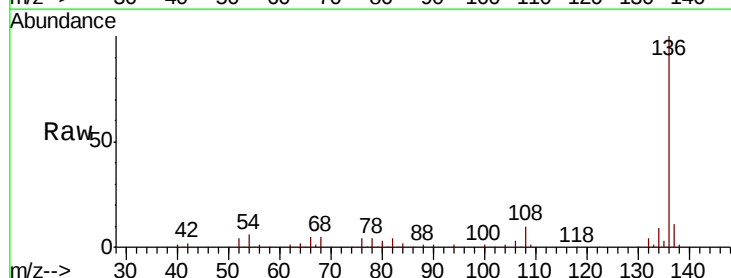
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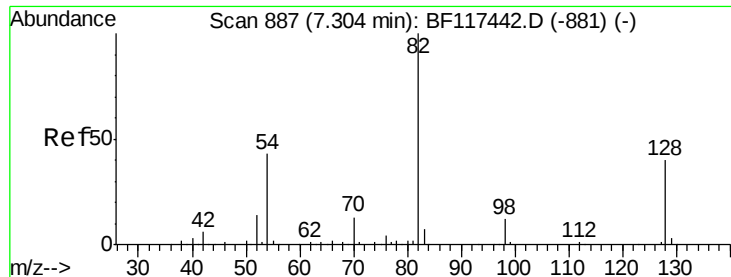
Tot Ion: 70 Resp: 30827
Ion Ratio Lower Upper
70 100
42 40.3 36.7 55.1
101 0.0 8.3 12.5#
130 2.2 18.1 27.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117514.D
Acq: 24 Oct 2019 17:06

Tgt Ion:136 Resp: 187607
Ion Ratio Lower Upper
136 100
137 11.0 8.2 12.4
54 6.3 4.5 6.7
68 5.4 4.3 6.5

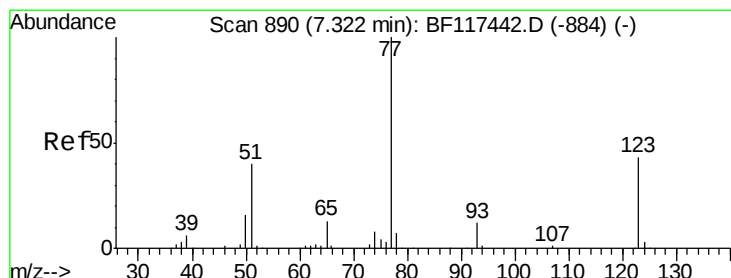
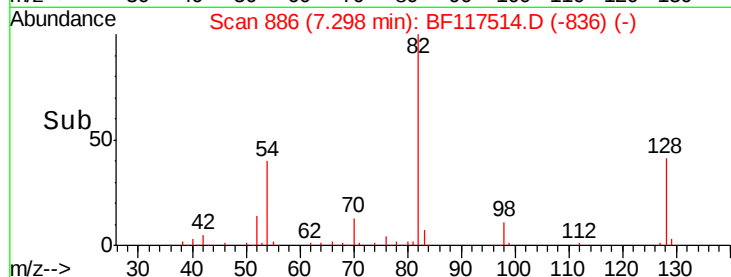
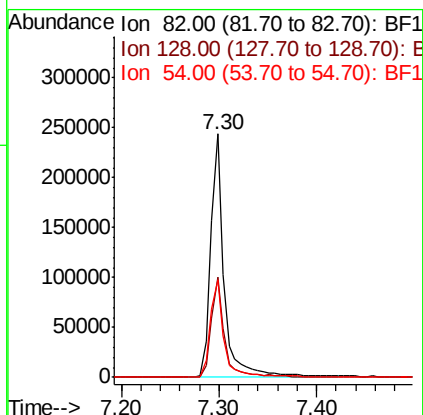
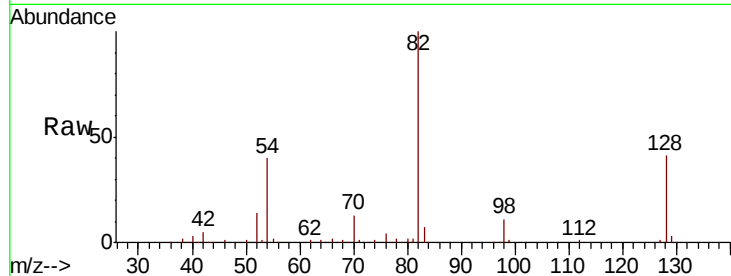




#23
Nitrobenzene-d5
Concen: 62.268 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF117514.D
Acq: 24 Oct 2019 17:06

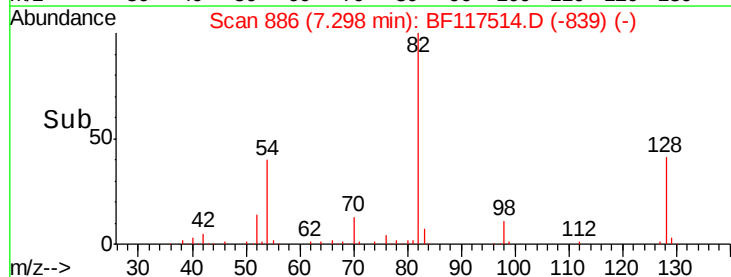
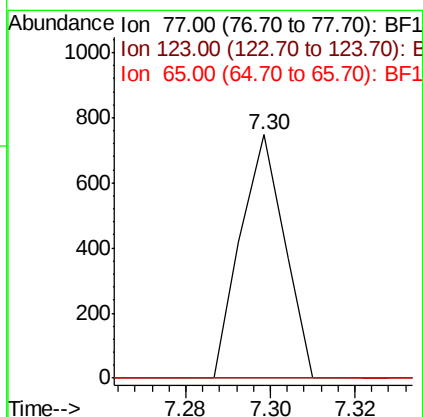
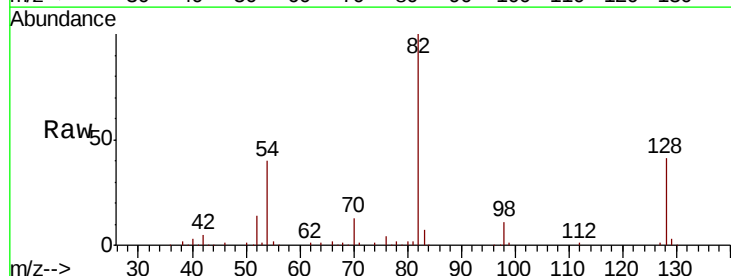
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BNA_F
ClientSampleId :
802-00-(0-2)

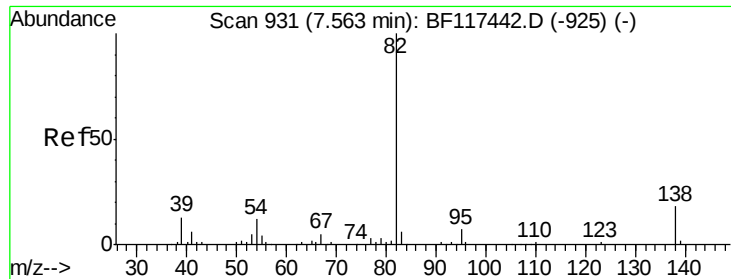
Tot Ion: 82 Resp: 236628
Ion Ratio Lower Upper
82 100
128 41.0 32.2 48.2
54 40.3 34.2 51.2



#24
Nitrobenzene
Concen: 0.149 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.02 min
Lab File: BF117514.D
Acq: 24 Oct 2019 17:06

Tgt Ion: 77 Resp: 542
Ion Ratio Lower Upper
77 100
123 0.0 34.2 51.2#
65 0.0 10.3 15.5#





#25

Isophorone

Concen: 35.994 ng

RT: 7.30 min Scan# 886

Delta R.T. -0.26 min

Lab File: BF117514.D

Acq: 24 Oct 2019 17:06

Instrument :

BNA_F

ClientSampleId :

802-00-(0-2)

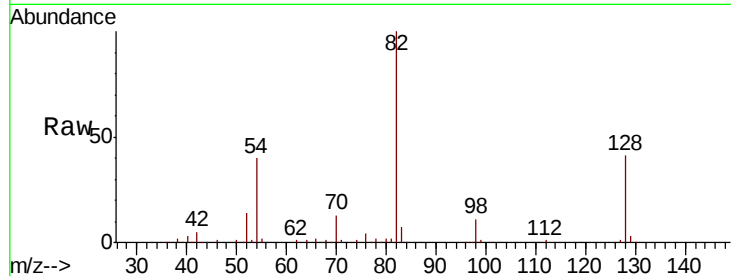
Tot Ion: 82 Resp: 236625

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

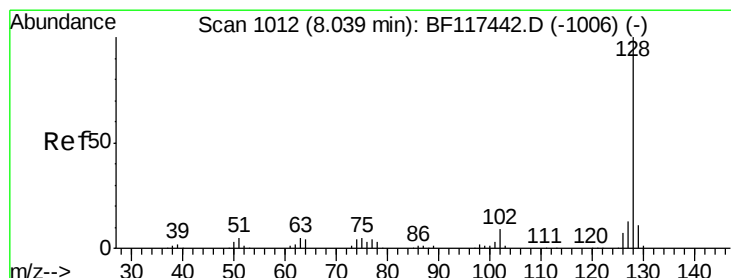
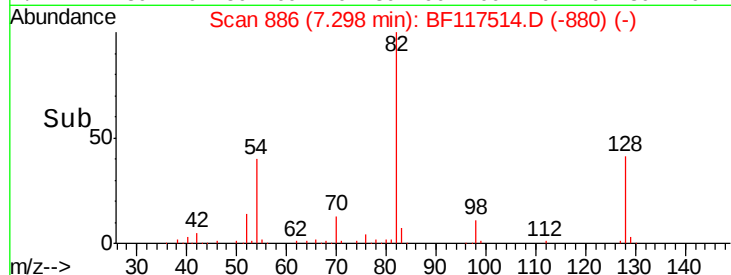
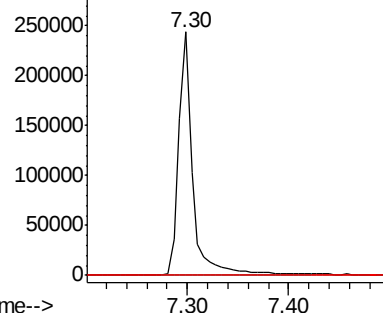
138 0.0 14.2 21.2#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#31

Naphthalene

Concen: 0.038 ng

RT: 8.04 min Scan# 1012

Delta R.T. 0.00 min

Lab File: BF117514.D

Acq: 24 Oct 2019 17:06

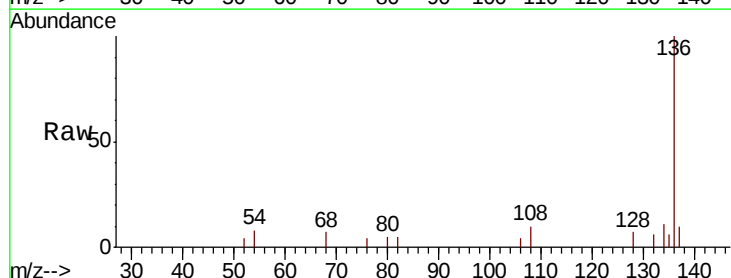
Tgt Ion: 128 Resp: 351

Ion Ratio Lower Upper

128 100

129 0.0 9.0 13.4#

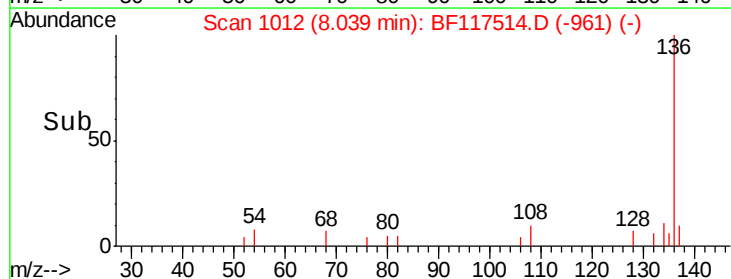
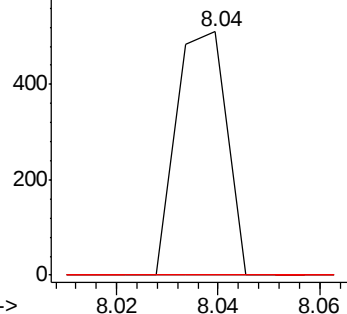
127 0.0 10.2 15.2#

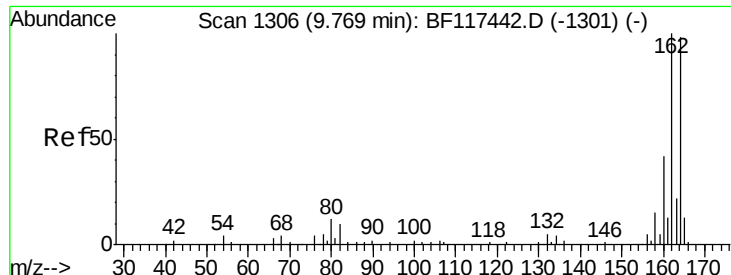


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.76 min Scan# 1305

Delta R.T. -0.01 min

Lab File: BF117514.D

Acq: 24 Oct 2019 17:06

Instrument :

BNA_F

ClientSampleId :

802-00-(0-2)

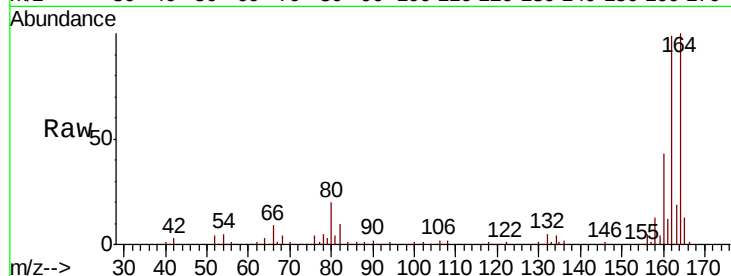
Tot Ion:164 Resp: 98110

Ion Ratio Lower Upper

164 100

162 99.0 81.8 122.6

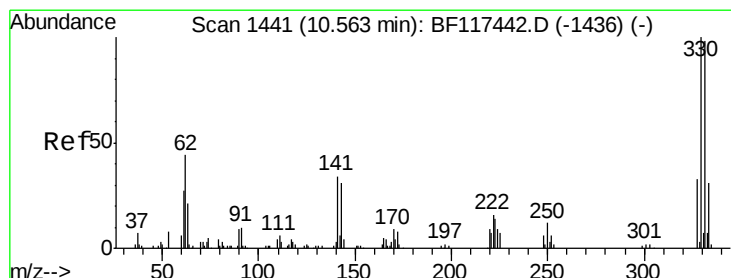
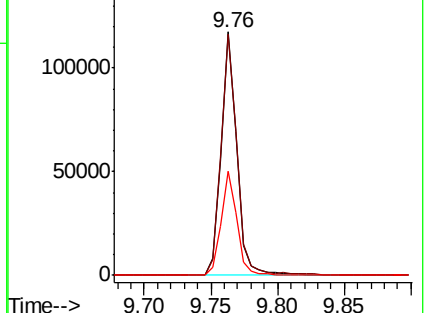
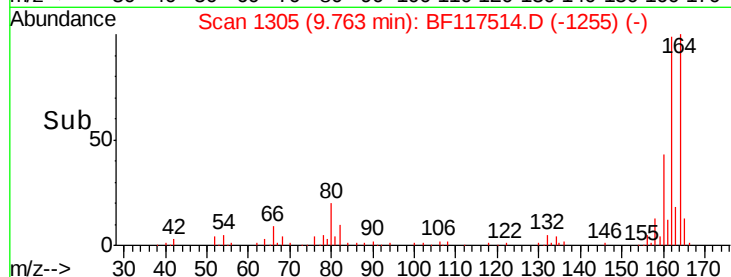
160 42.9 34.4 51.6



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 87.650 ng

RT: 10.56 min Scan# 1440

Delta R.T. -0.01 min

Lab File: BF117514.D

Acq: 24 Oct 2019 17:06

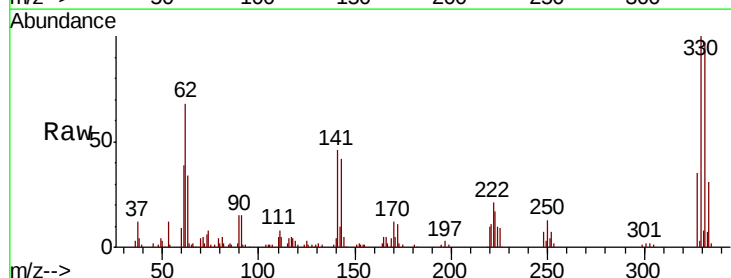
Tgt Ion:330 Resp: 74406

Ion Ratio Lower Upper

330 100

332 97.2 78.5 117.7

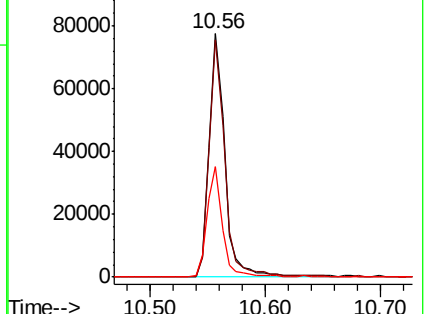
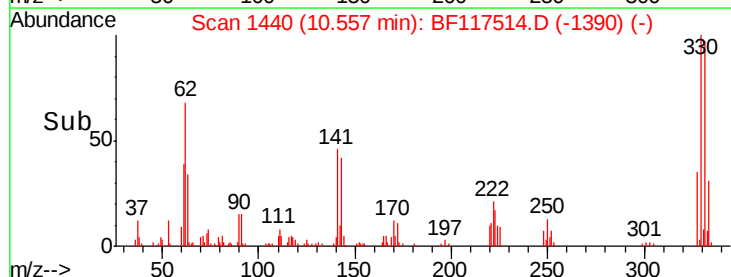
141 44.4 37.0 55.6

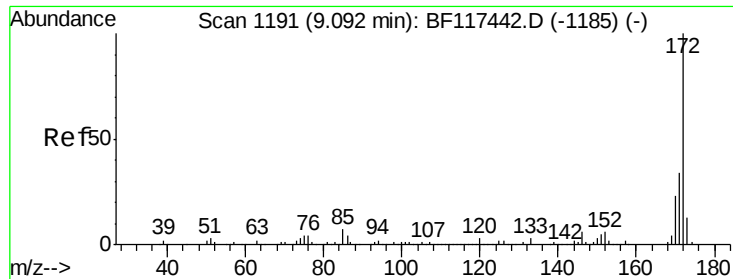


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

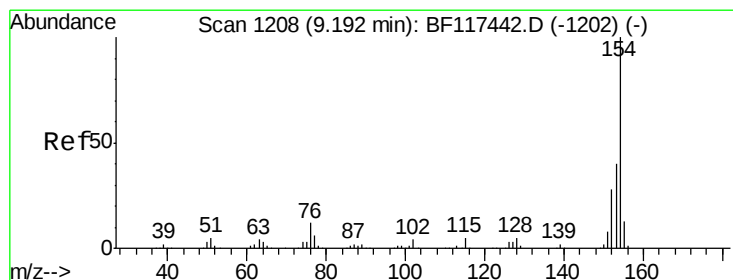
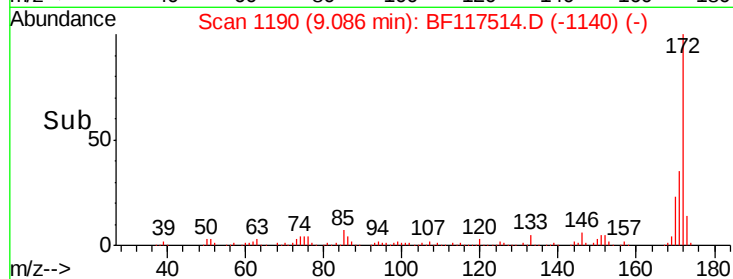
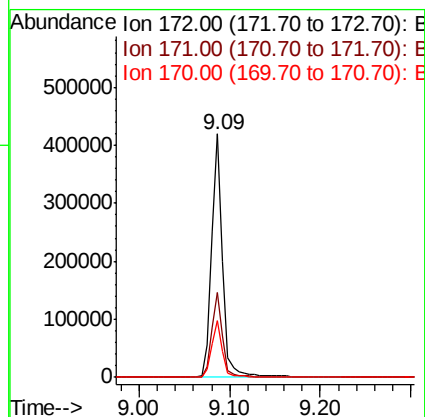
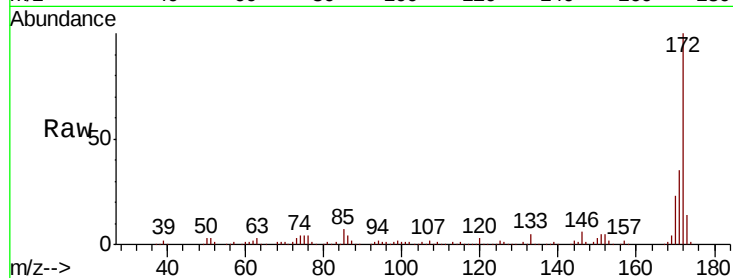




#45
 2-Fluorobiphenyl
 Concen: 52.436 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF117514.D
 Acq: 24 Oct 2019 17:06

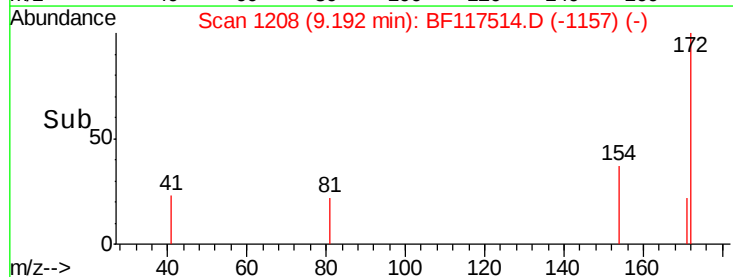
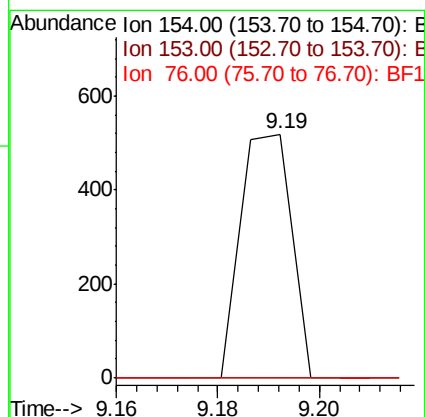
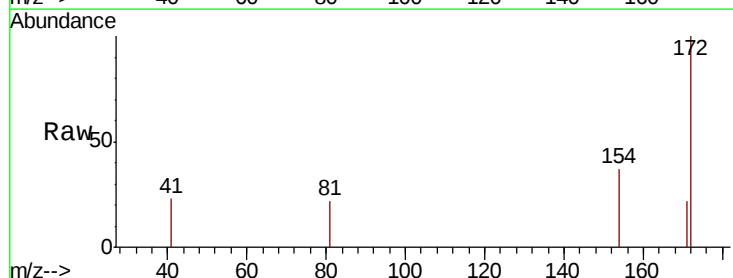
Instrument :
 BNA_F
 ClientSampleId :
 802-00-(0-2)

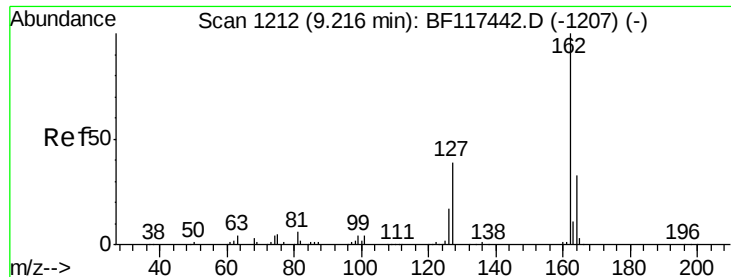
Tot Ion:172 Resp: 365121
 Ion Ratio Lower Upper
 172 100
 171 34.7 27.5 41.3
 170 23.4 18.6 27.8



#46
 1,1'-Biphenyl
 Concen: 0.044 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. 0.00 min
 Lab File: BF117514.D
 Acq: 24 Oct 2019 17:06

Tgt Ion:154 Resp: 361
 Ion Ratio Lower Upper
 154 100
 153 0.0 20.2 60.2#
 76 0.0 0.0 32.1

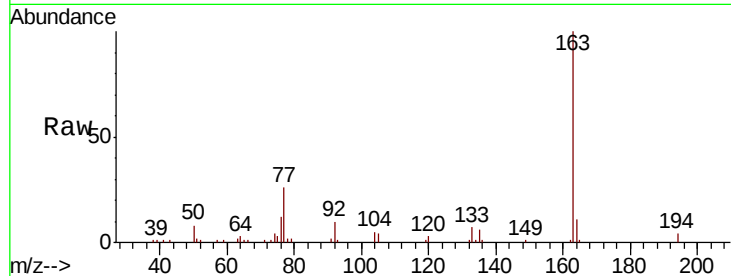




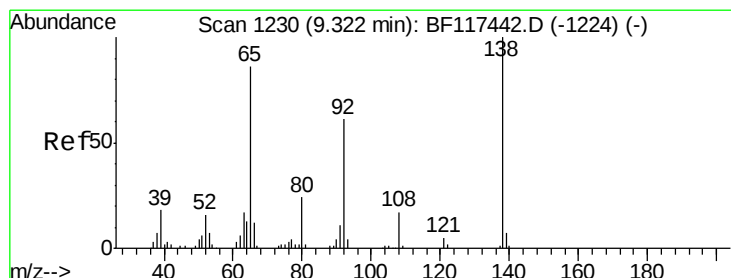
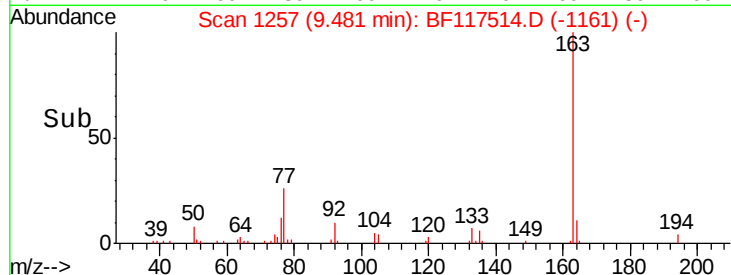
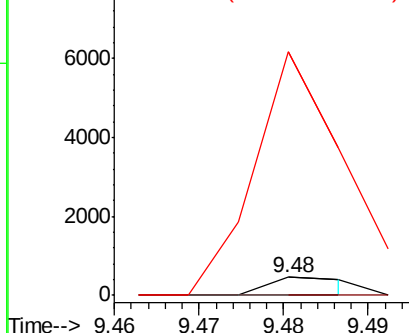
#47
2-Chloronaphthalene
Concen: 0.050 ng
RT: 9.48 min Scan# 1257
Delta R.T. 0.26 min
Lab File: BF117514.D
Acq: 24 Oct 2019 17:06

Instrument :
BNA_F
ClientSampleId :
802-00-(0-2)

Tot Ion: 162 Resp: 305
Ion Ratio Lower Upper
162 100
127 0.0 34.2 51.4#
164 1359.0 26.4 39.6#

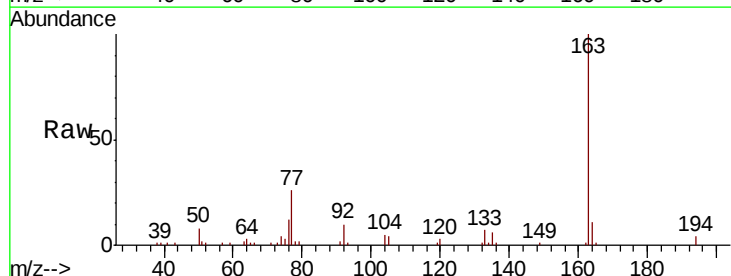


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

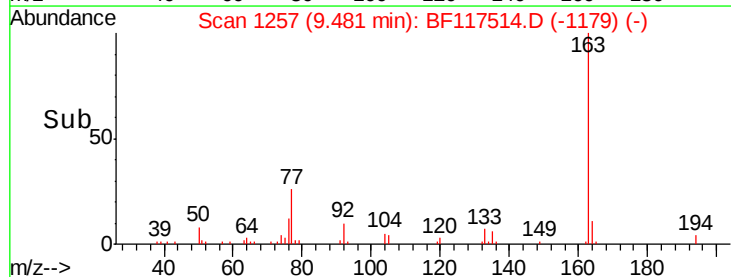
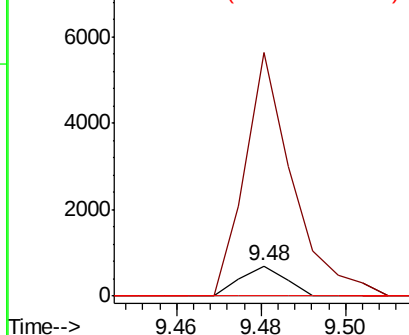


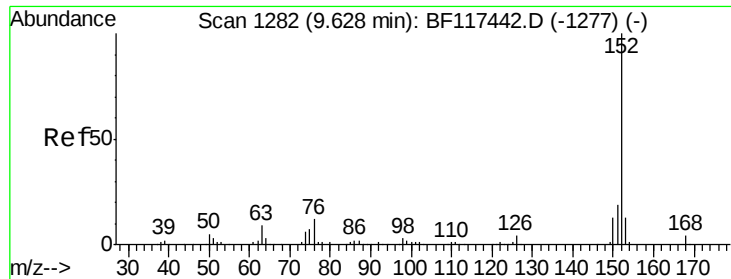
#48
2-Nitroaniline
Concen: 0.260 ng
RT: 9.48 min Scan# 1257
Delta R.T. 0.16 min
Lab File: BF117514.D
Acq: 24 Oct 2019 17:06

Tgt Ion: 65 Resp: 523
Ion Ratio Lower Upper
65 100
92 804.3 57.3 85.9#
138 0.0 93.3 139.9#



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





#49

Acenaphthylene

Concen: 0.031 ng

RT: 9.63 min Scan# 1282

Delta R.T. 0.00 min

Lab File: BF117514.D

Acq: 24 Oct 2019 17:06

Instrument :

BNA_F

ClientSampleId :

802-00-(0-2)

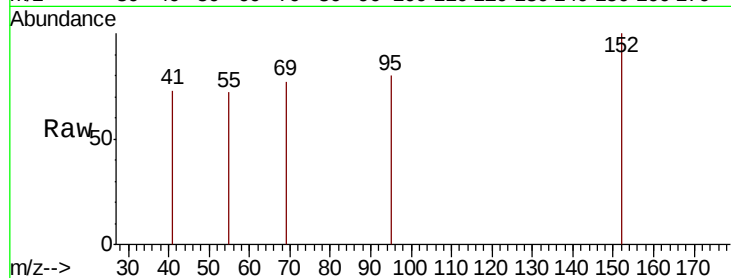
Tot Ion:152 Resp: 283

Ion Ratio Lower Upper

152 100

151 0.0 15.4 23.0#

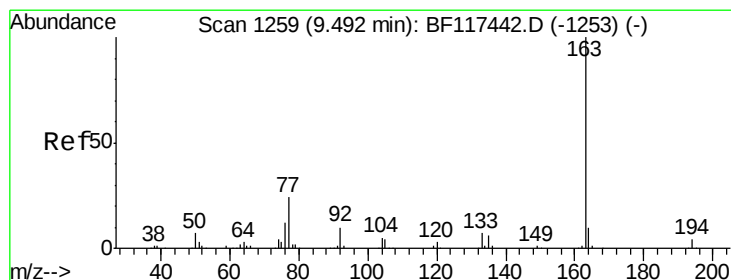
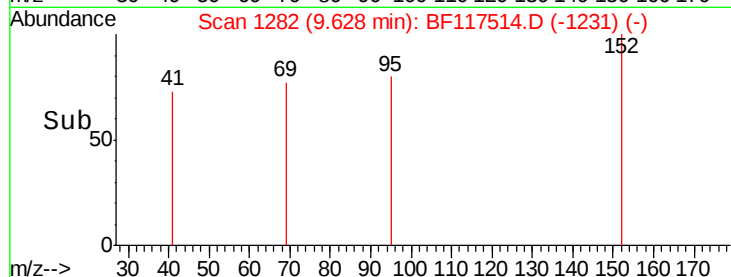
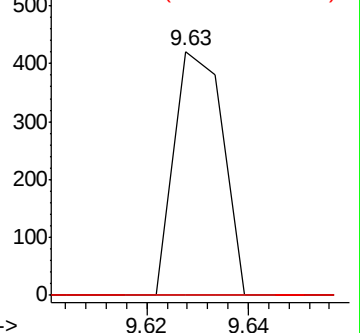
153 0.0 10.3 15.5#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 7.279 ng

RT: 9.48 min Scan# 1257

Delta R.T. -0.01 min

Lab File: BF117514.D

Acq: 24 Oct 2019 17:06

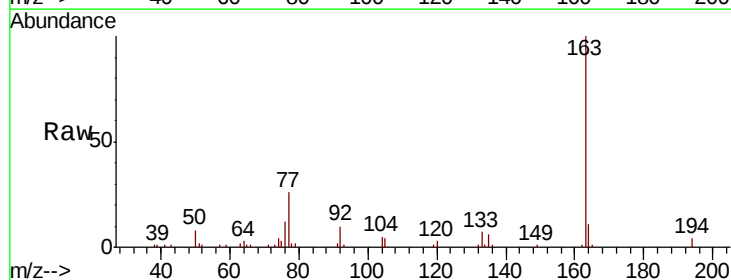
Tgt Ion:163 Resp: 50912

Ion Ratio Lower Upper

163 100

194 3.6 2.9 4.3

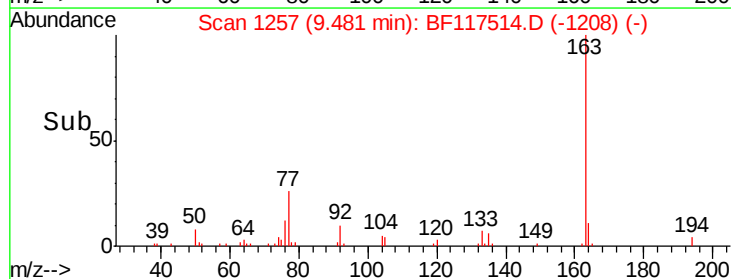
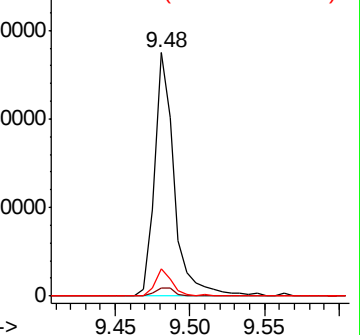
164 11.2 8.2 12.2

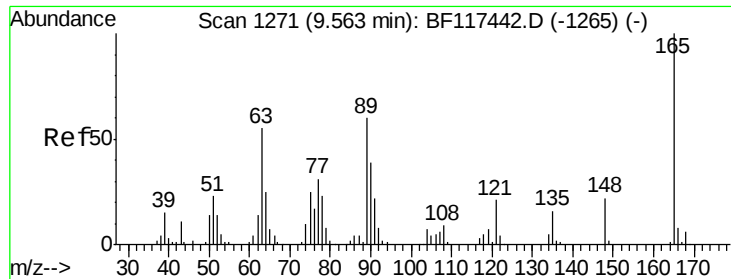


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 8.669 ng

RT: 9.76 min Scan# 1305

Delta R.T. 0.20 min

Lab File: BF117514.D

Acq: 24 Oct 2019 17:06

Instrument :

BNA_F

ClientSampleId :

802-00-(0-2)

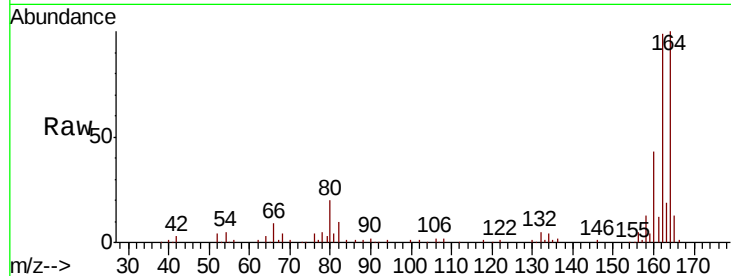
Tot Ion:165 Resp: 12653

Ion Ratio Lower Upper

165 100

63 0.0 43.8 65.8#

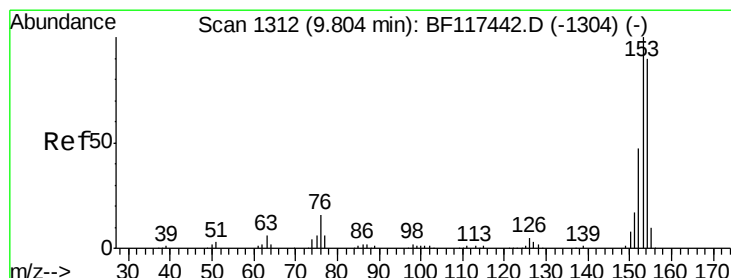
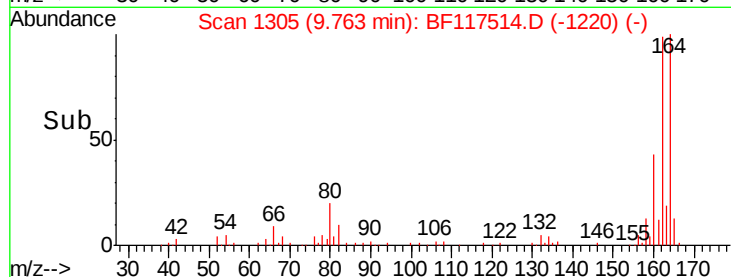
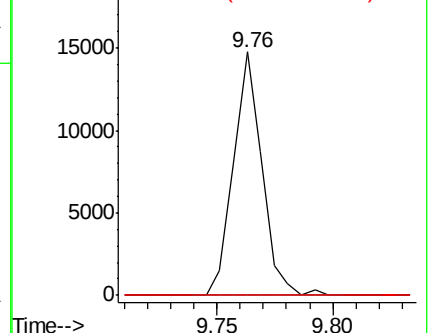
89 0.0 47.6 71.4#



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: 0.444 ng

RT: 9.80 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BF117514.D

Acq: 24 Oct 2019 17:06

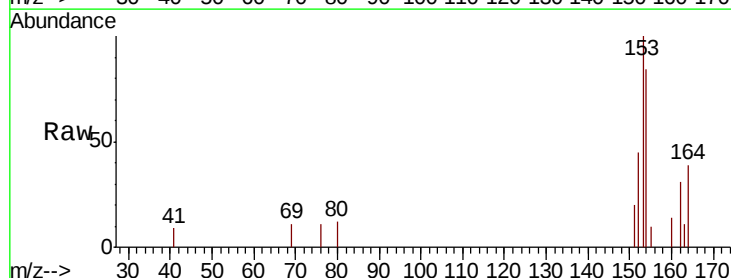
Tgt Ion:154 Resp: 2450

Ion Ratio Lower Upper

154 100

153 119.5 89.2 133.8

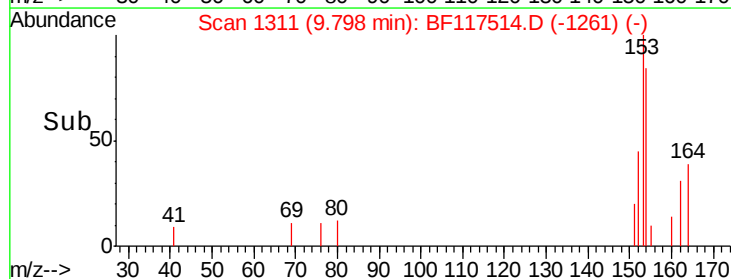
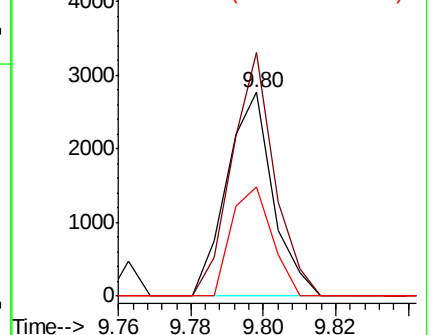
152 53.3 41.8 62.6

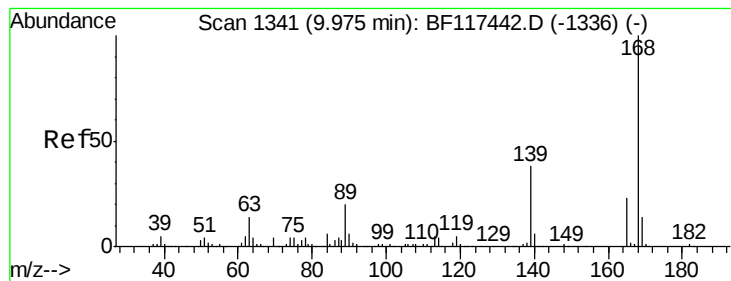


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#55

Dibenzofuran

Concen: 0.148 ng

RT: 9.98 min Scan# 1342

Delta R.T. 0.01 min

Lab File: BF117514.D

Acq: 24 Oct 2019 17:06

Instrument :

BNA_F

ClientSampleId :

802-00-(0-2)

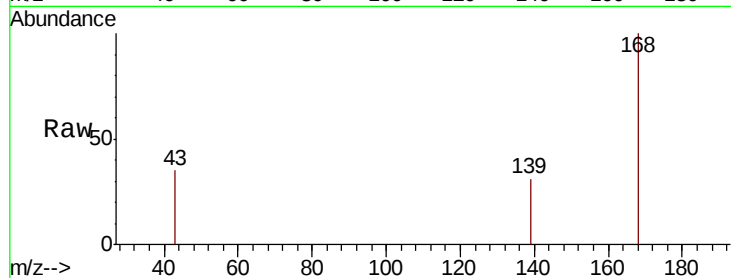
Tot Ion:168 Resp: 1185

Ion Ratio Lower Upper

168 100

139 31.0 31.8 47.6#

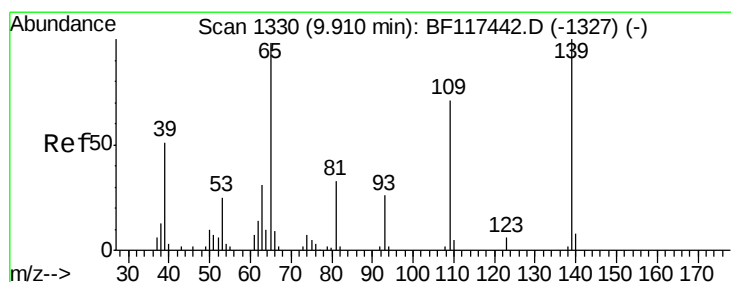
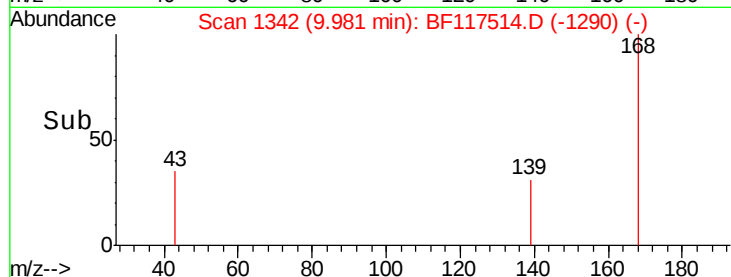
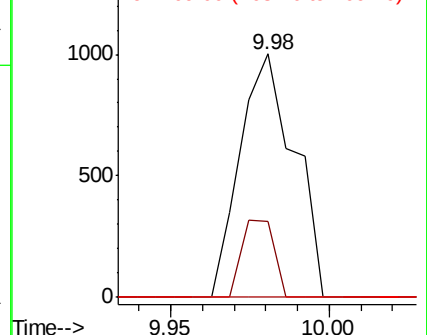
169 0.0 11.2 16.8#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 4.388 ng

RT: 9.97 min Scan# 1341

Delta R.T. 0.07 min

Lab File: BF117514.D

Acq: 24 Oct 2019 17:06

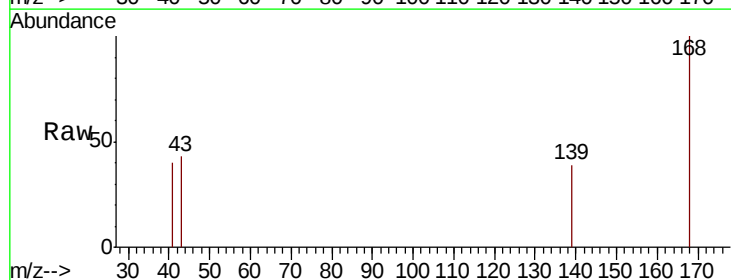
Tgt Ion:139 Resp: 222

Ion Ratio Lower Upper

139 100

109 0.0 51.4 91.4#

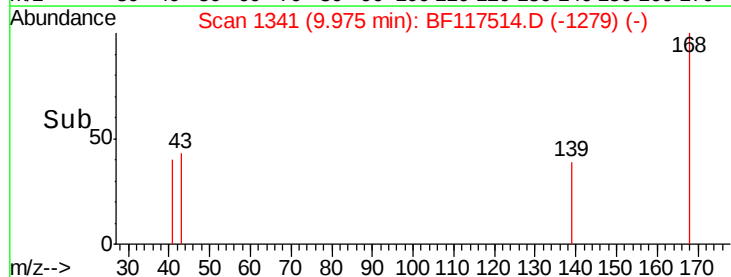
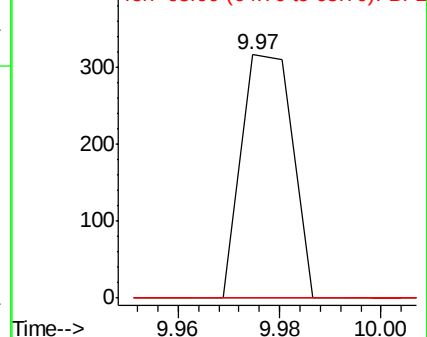
65 0.0 79.4 119.4#

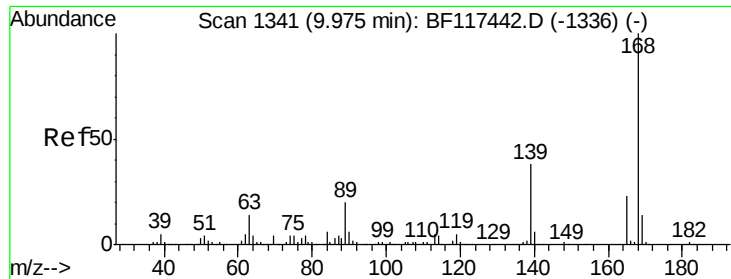


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

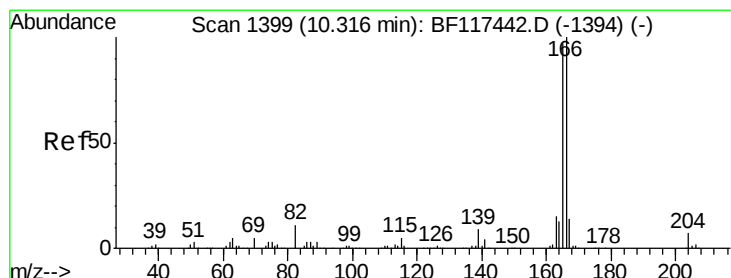
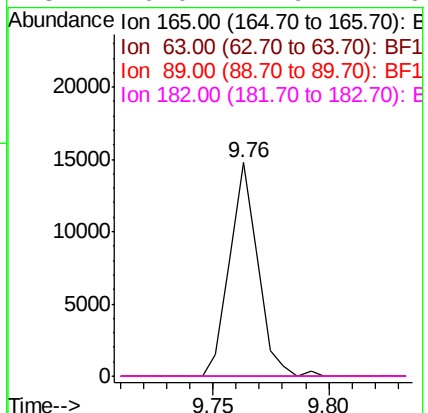
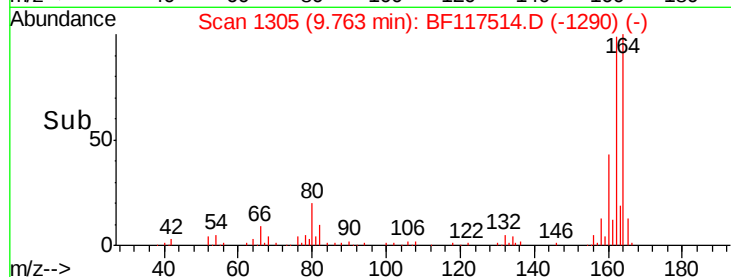
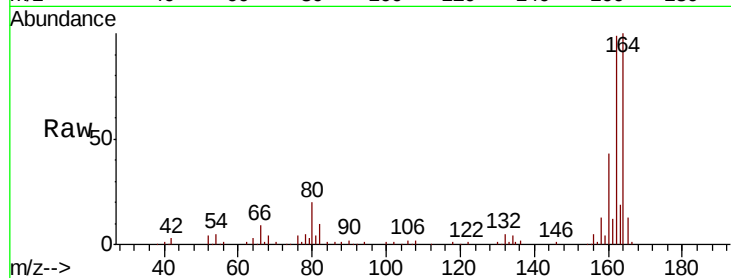




#57
2,4-Dinitrotoluene
Concen: 6.521 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.21 min
Lab File: BF117514.D
Acq: 24 Oct 2019 17:06

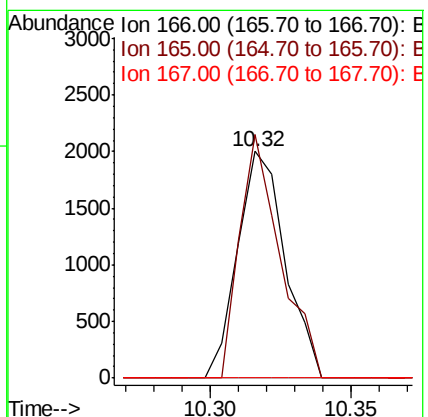
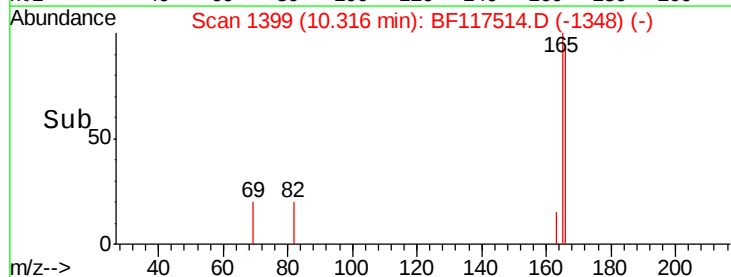
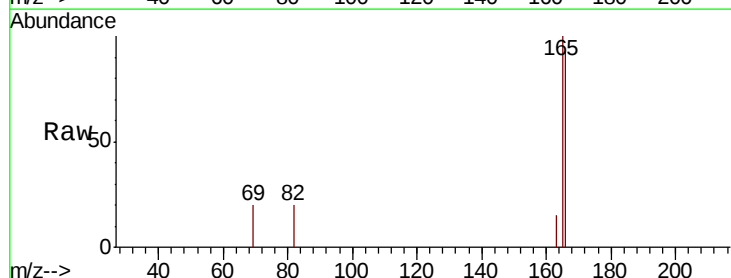
Instrument :
BNA_F
ClientSampleId :
802-00-(0-2)

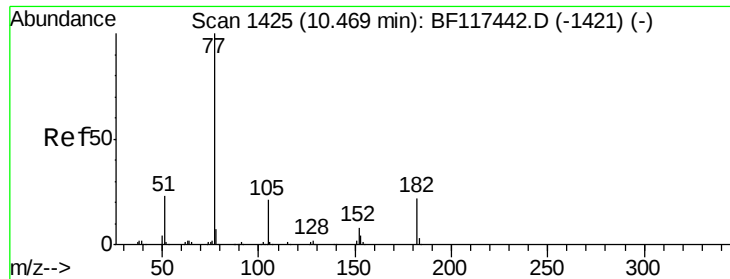
Tot Ion:165 Resp: 12653
Ion Ratio Lower Upper
165 100
63 0.0 51.4 77.0#
89 0.0 69.9 104.9#
182 0.0 1.9 2.9#



#58
Fluorene
Concen: 0.353 ng
RT: 10.32 min Scan# 1399
Delta R.T. 0.00 min
Lab File: BF117514.D
Acq: 24 Oct 2019 17:06

Tgt Ion:166 Resp: 2335
Ion Ratio Lower Upper
166 100
165 107.5 77.6 116.4
167 0.0 11.0 16.4#





#63

Azobenzene

Concen: 0.053 ng

RT: 10.56 min Scan# 1440

Delta R.T. 0.09 min

Lab File: BF117514.D

Acq: 24 Oct 2019 17:06

Instrument :

BNA_F

ClientSampleId :

802-00-(0-2)

Tot Ion: 77 Resp: 386

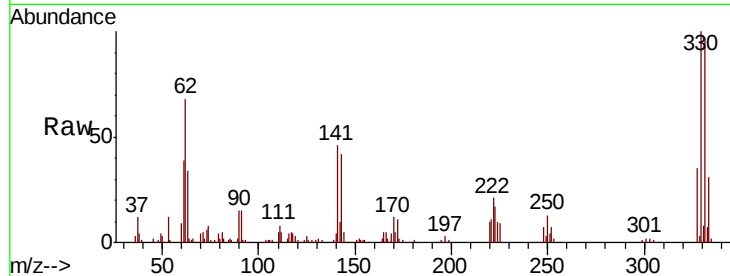
Ion Ratio Lower Upper

77 100

182 55.9 2.3 42.3#

105 77.0 1.3 41.3#

51 57.0 3.5 43.5#

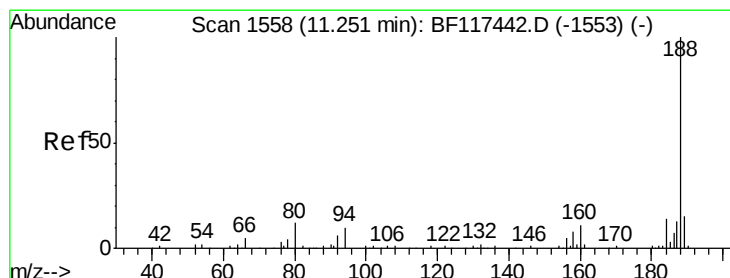
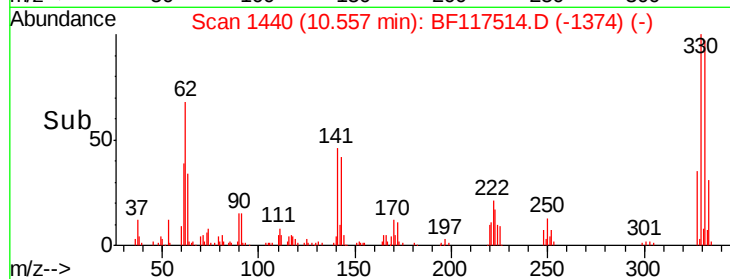
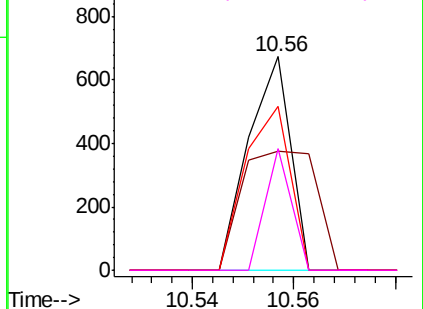


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.25 min Scan# 1558

Delta R.T. 0.00 min

Lab File: BF117514.D

Acq: 24 Oct 2019 17:06

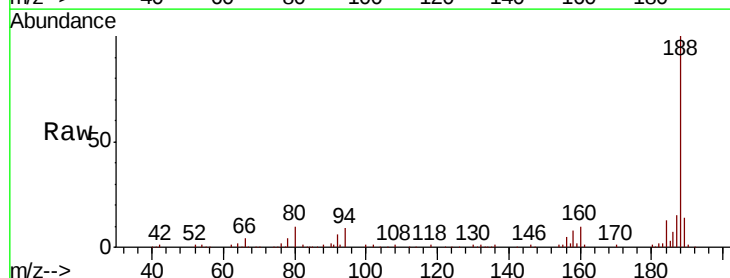
Tgt Ion: 188 Resp: 153018

Ion Ratio Lower Upper

188 100

94 8.7 8.0 12.0

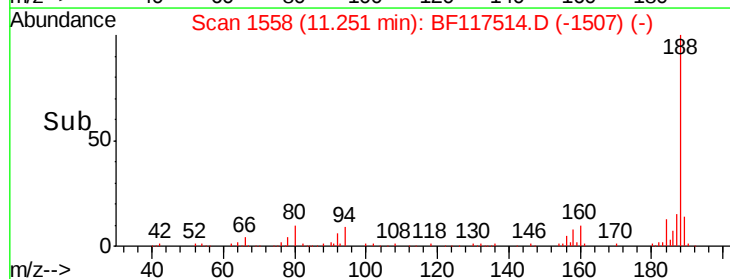
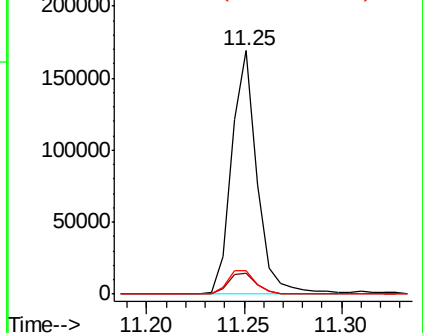
80 9.7 9.5 14.3

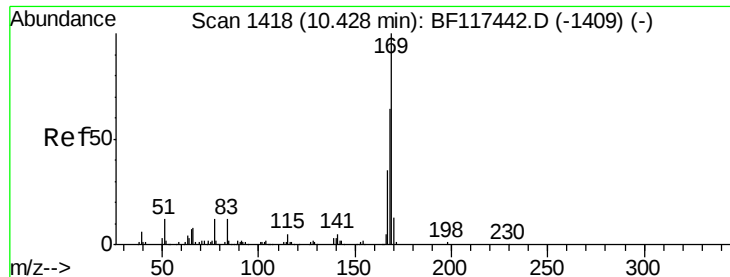


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

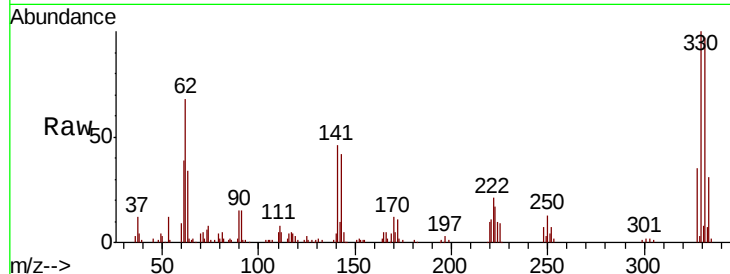




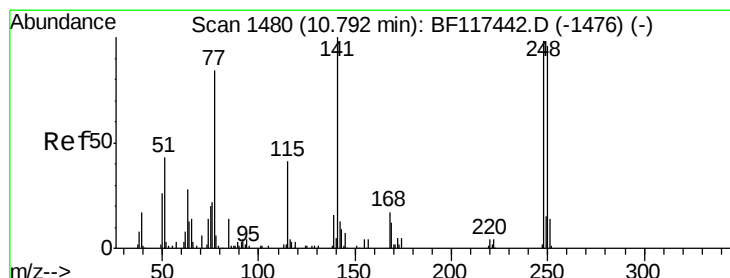
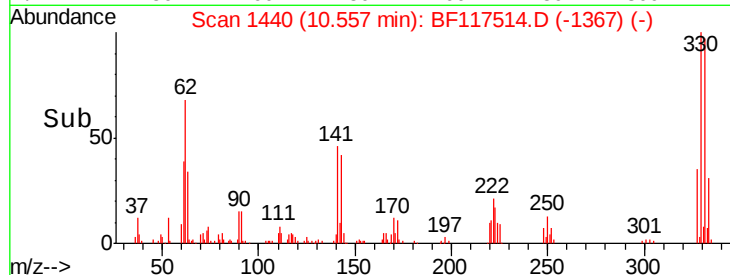
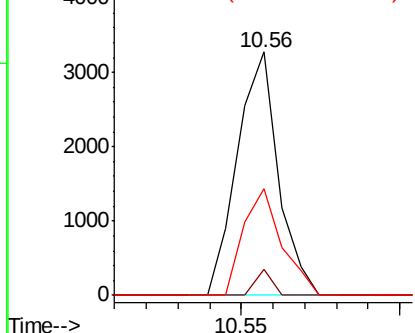
#66
 n-Nitrosodiphenylamine
 Concen: 0.524 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. 0.13 min
 Lab File: BF117514.D
 Acq: 24 Oct 2019 17:06

Instrument :
 BNA_F
 ClientSampleId :
 802-00-(0-2)

Tot Ion:169 Resp: 2932
 Ion Ratio Lower Upper
 169 100
 168 10.5 51.3 76.9#
 167 43.7 28.2 42.4#

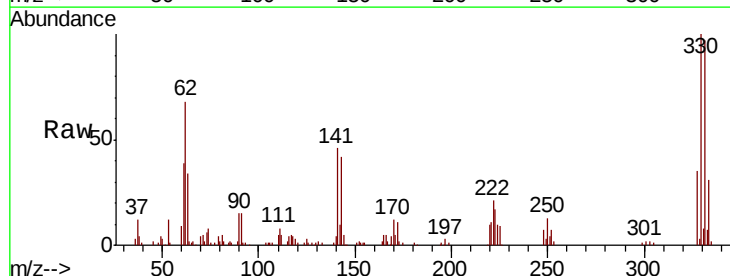


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

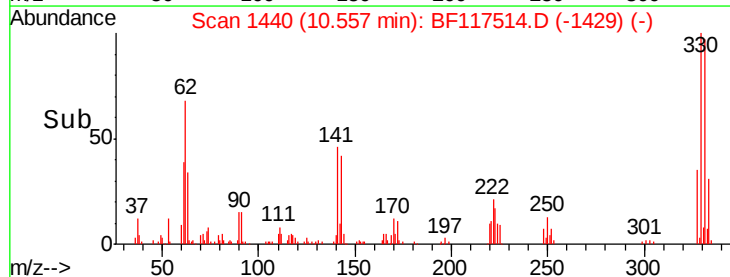
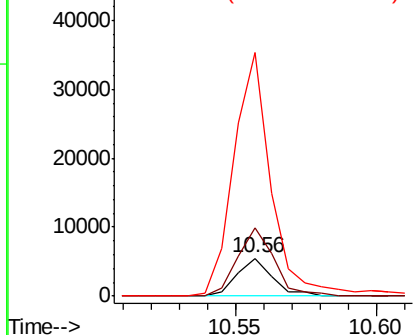


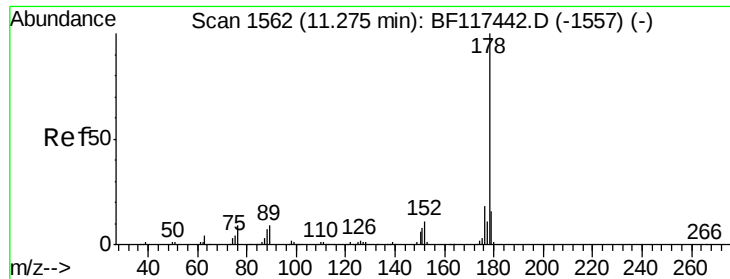
#67
 4-Bromophenyl-phenylether
 Concen: 2.895 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.24 min
 Lab File: BF117514.D
 Acq: 24 Oct 2019 17:06

Tgt Ion:248 Resp: 4771
 Ion Ratio Lower Upper
 248 100
 250 182.1 78.0 117.0#
 141 643.7 81.7 122.5#



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





#71

Phenanthrene

Concen: 2.525 ng

RT: 11.27 min Scan# 1562

Delta R.T. 0.00 min

Lab File: BF117514.D

Acq: 24 Oct 2019 17:06

Instrument :

BNA_F

ClientSampleId :

802-00-(0-2)

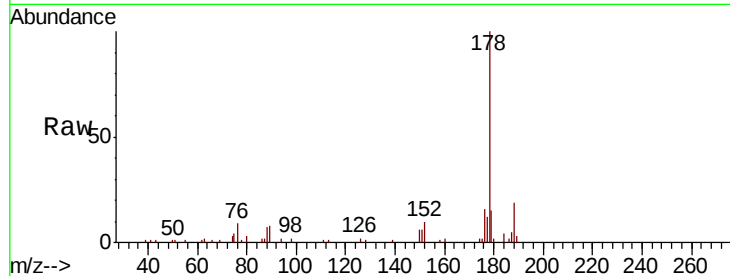
Tot Ion:178 Resp: 22432

Ion Ratio Lower Upper

178 100

176 16.2 14.6 22.0

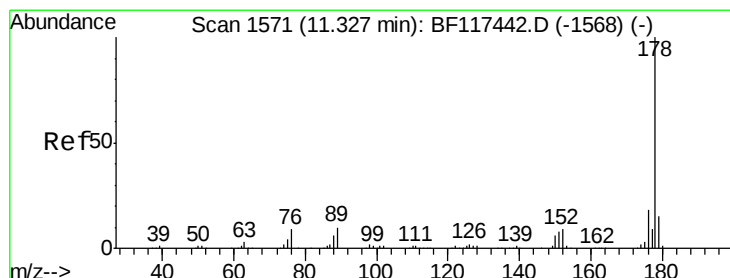
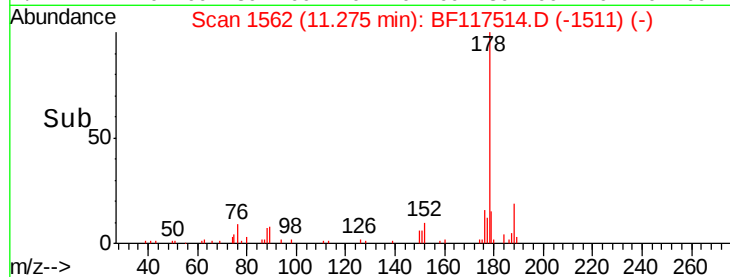
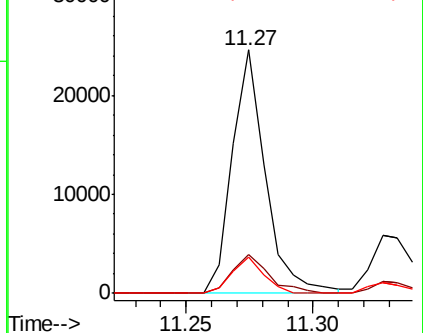
179 15.0 12.6 19.0



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: 2.461 ng

RT: 11.27 min Scan# 1562

Delta R.T. -0.05 min

Lab File: BF117514.D

Acq: 24 Oct 2019 17:06

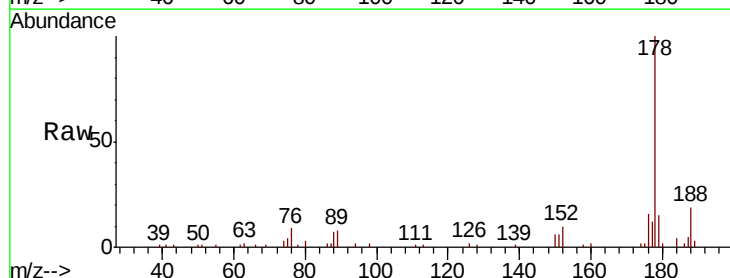
Tgt Ion:178 Resp: 22432

Ion Ratio Lower Upper

178 100

176 16.2 14.7 22.1

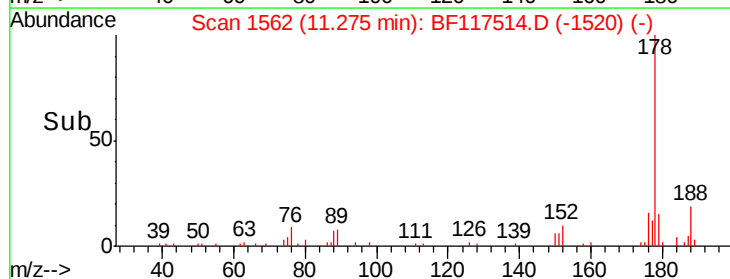
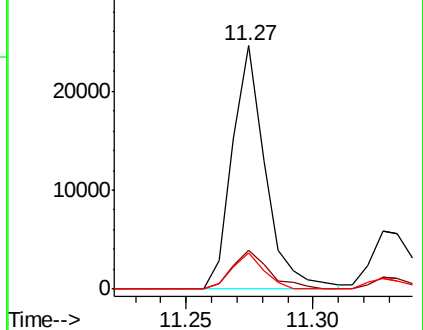
179 15.0 12.2 18.2

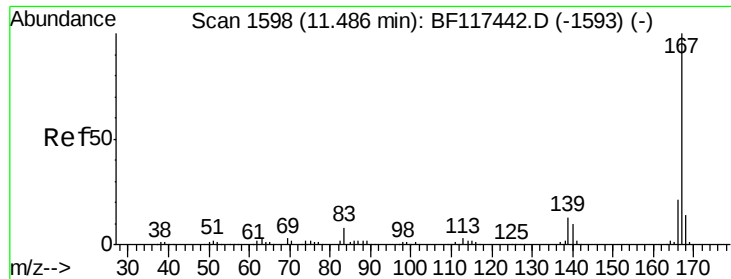


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

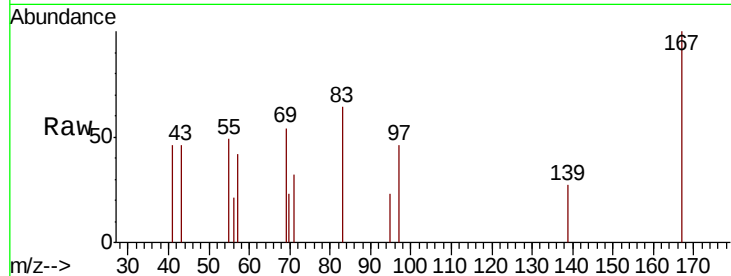




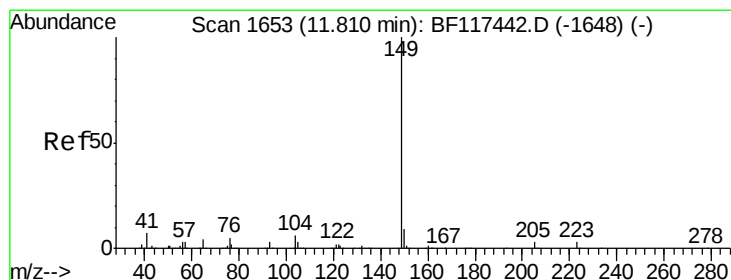
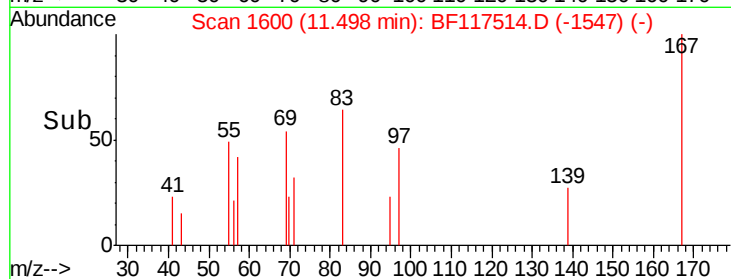
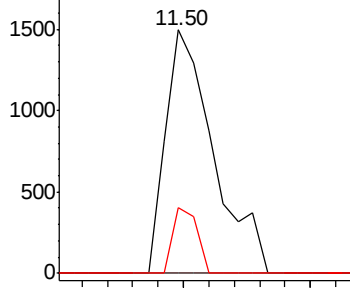
#73
 Carbazole
 Concen: 0.237 ng
 RT: 11.50 min Scan# 1600
 Delta R.T. 0.01 min
 Lab File: BF117514.D
 Acq: 24 Oct 2019 17:06

Instrument :
 BNA_F
 ClientSampleId :
 802-00-(0-2)

Tot Ion:167 Resp: 1974
 Ion Ratio Lower Upper
 167 100
 166 0.0 17.0 25.6#
 139 26.9 10.6 16.0#

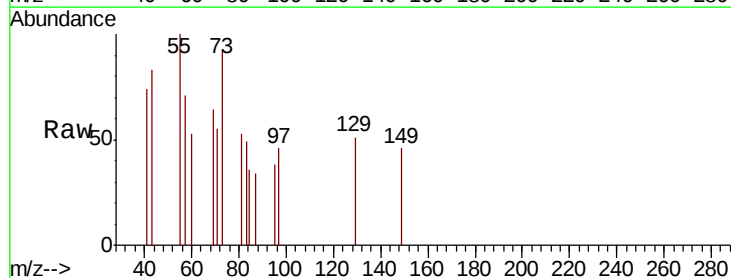


Abundance Ion 167.00 (166.70 to 167.70): E
 2000 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E

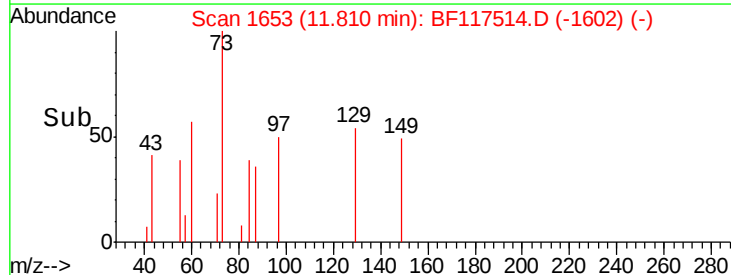
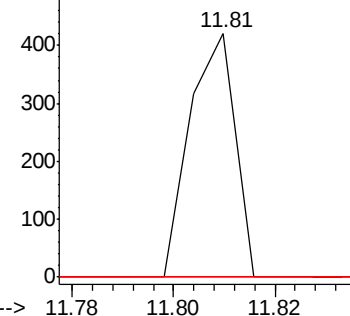


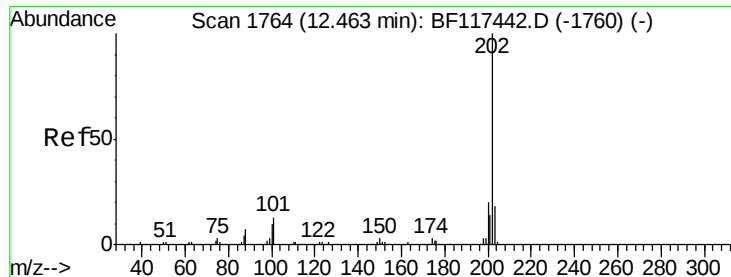
#74
 Di-n-butylphthalate
 Concen: 0.023 ng
 RT: 11.81 min Scan# 1653
 Delta R.T. 0.00 min
 Lab File: BF117514.D
 Acq: 24 Oct 2019 17:06

Tgt Ion:149 Resp: 261
 Ion Ratio Lower Upper
 149 100
 150 0.0 7.5 11.3#
 104 0.0 4.6 6.8#



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 4.991 ng

RT: 12.46 min Scan# 1764

Delta R.T. 0.00 min

Lab File: BF117514.D

Acq: 24 Oct 2019 17:06

Instrument :

BNA_F

ClientSampleId :

802-00-(0-2)

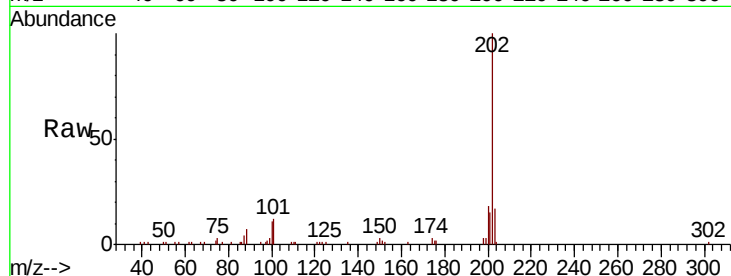
Tot Ion:202 Resp: 44390

Ion Ratio Lower Upper

202 100

101 12.3 0.0 32.7

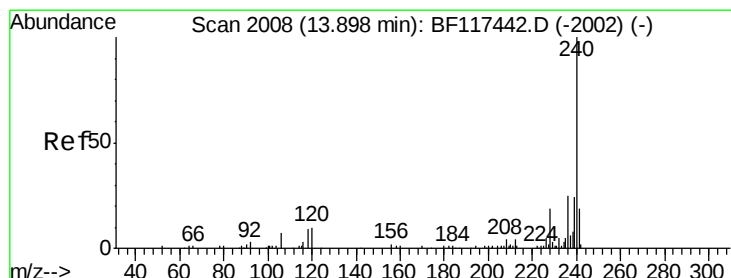
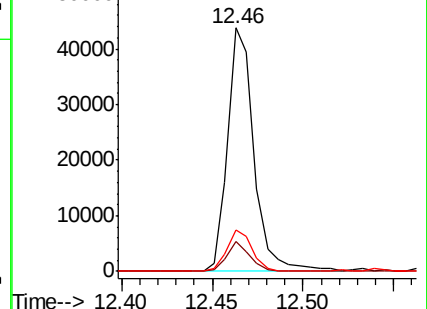
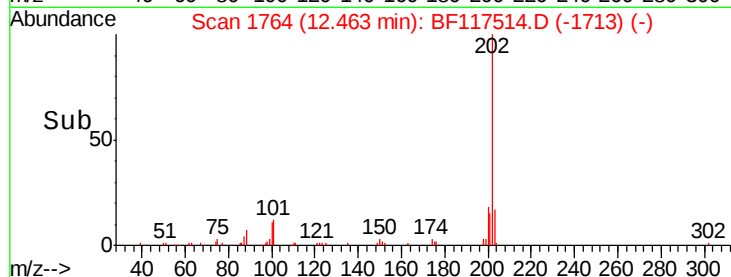
203 17.2 0.0 37.6



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: BF117514.D

Acq: 24 Oct 2019 17:06

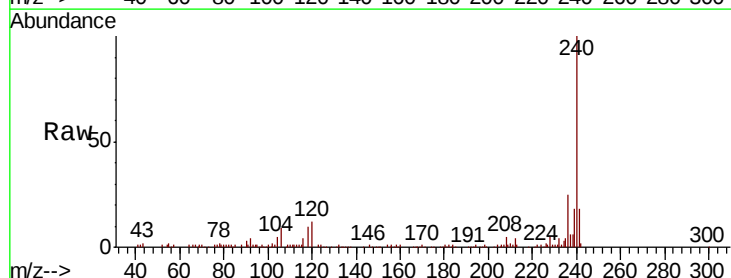
Tgt Ion:240 Resp: 88305

Ion Ratio Lower Upper

240 100

120 12.1 8.4 12.6

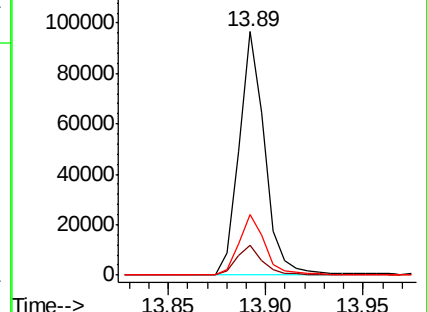
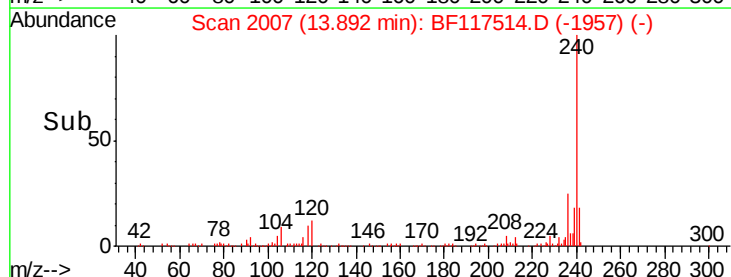
236 24.7 20.0 30.0

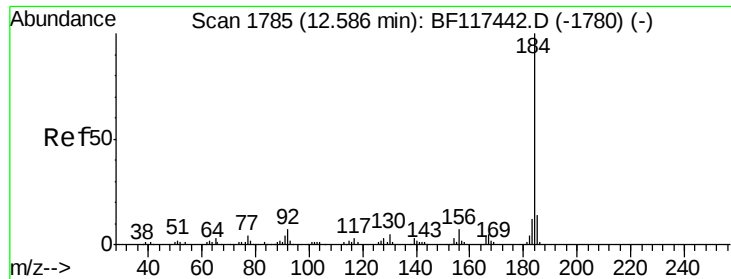


Abundance Ion 240.00 (239.70 to 240.70): E

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: BF117514.D

Acq: 24 Oct 2019 17:06

Instrument :

BNA_F

ClientSampleId :

802-00-(0-2)

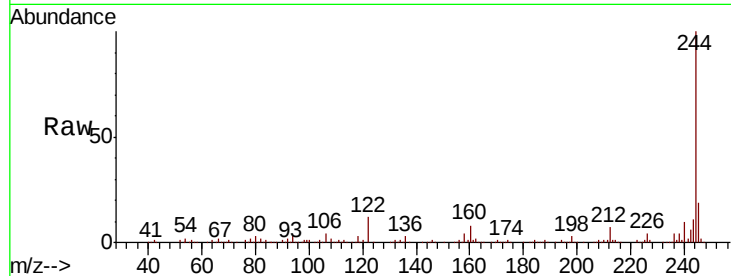
Tot Ion:184 Resp: 3644

Ion Ratio Lower Upper

184 100

185 18.1 11.4 17.0#

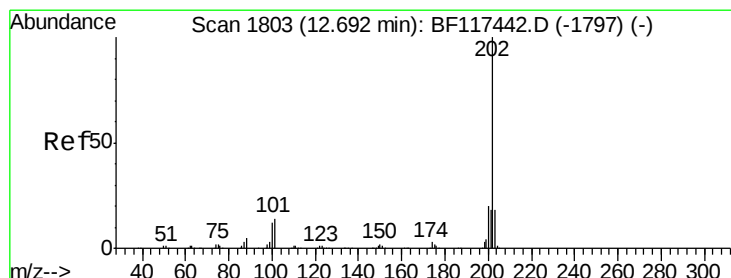
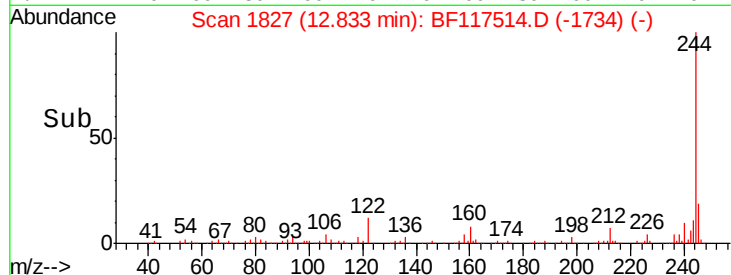
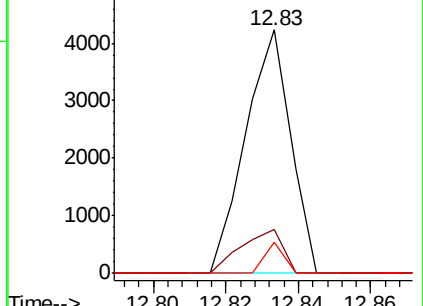
183 12.8 9.6 14.4



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: 4.887 ng

RT: 12.69 min Scan# 1803

Delta R.T. 0.00 min

Lab File: BF117514.D

Acq: 24 Oct 2019 17:06

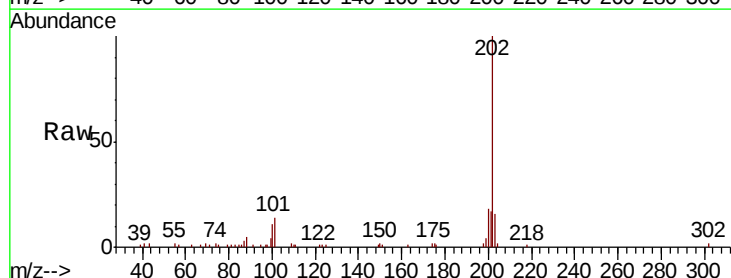
Tgt Ion:202 Resp: 37065

Ion Ratio Lower Upper

202 100

200 18.0 16.2 24.2

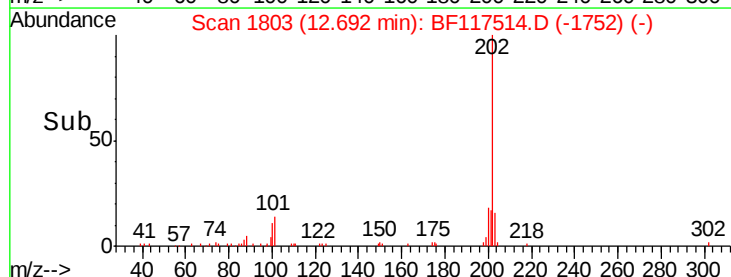
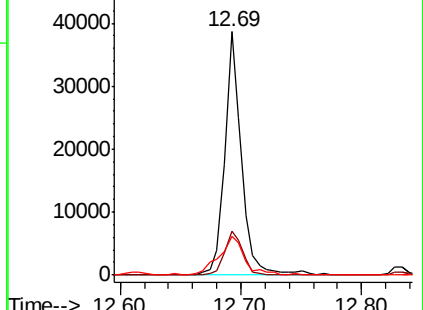
203 16.1 14.0 21.0

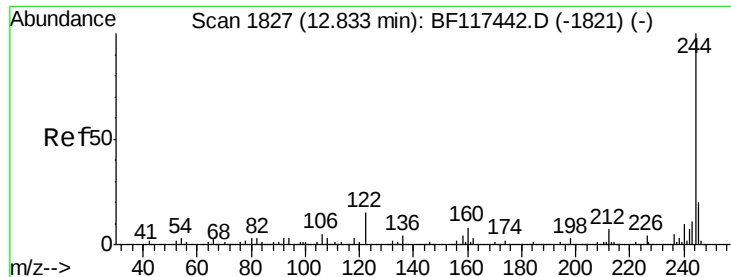


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

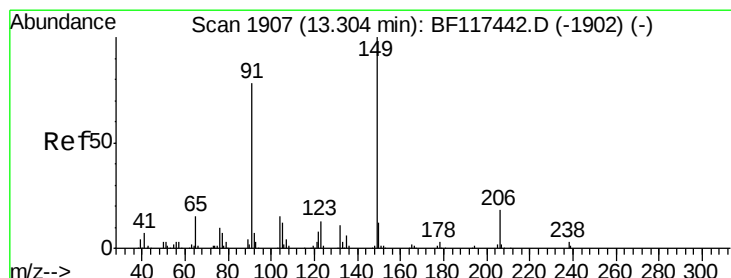
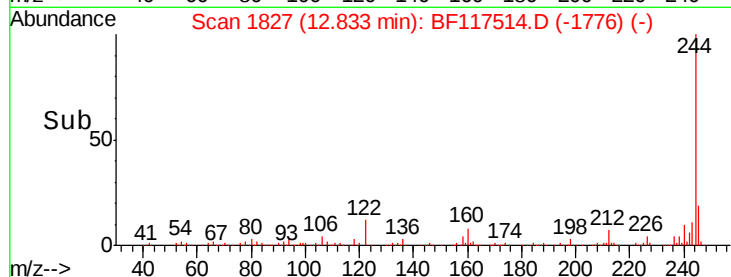
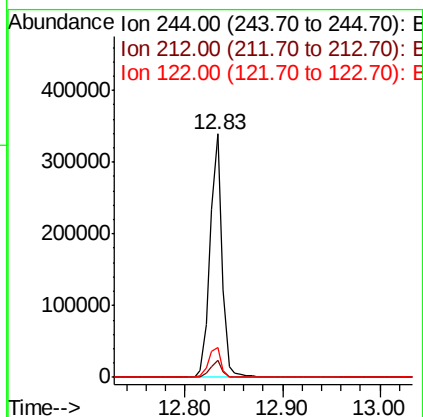
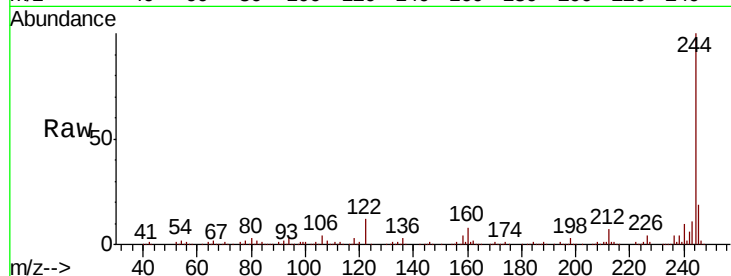




#79
 Terphenyl-d14
 Concen: 53.260 ng
 RT: 12.83 min Scan# 1827
 Delta R.T. 0.00 min
 Lab File: BF117514.D
 Acq: 24 Oct 2019 17:06

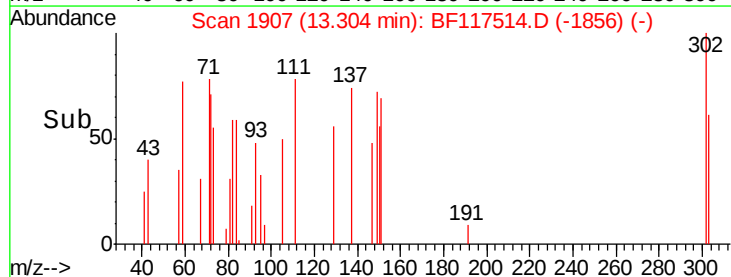
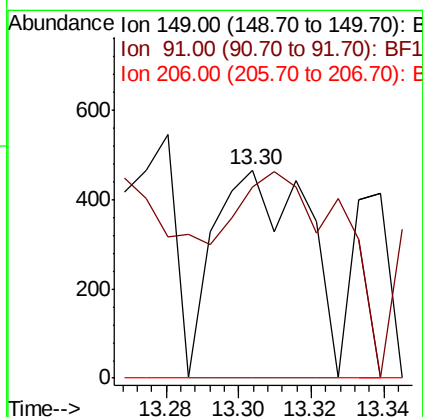
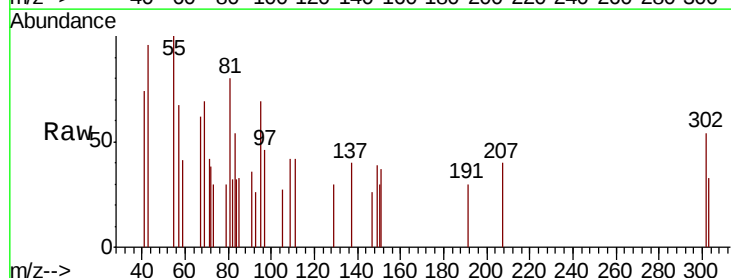
Instrument :
 BNA_F
 ClientSampleId :
 802-00-(0-2)

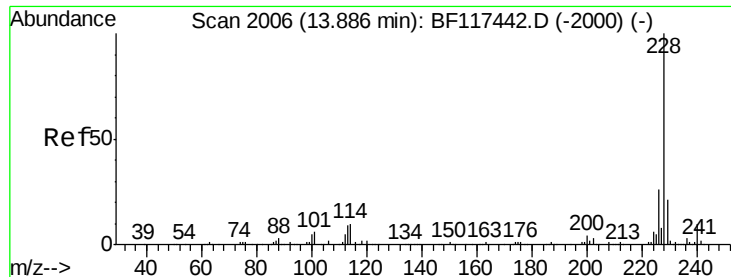
Tot Ion:244 Resp: 288340
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.8 8.6
 122 12.5 11.8 17.8



#80
 Butylbenzylphthalate
 Concen: 0.218 ng
 RT: 13.30 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: BF117514.D
 Acq: 24 Oct 2019 17:06

Tgt Ion:149 Resp: 824
 Ion Ratio Lower Upper
 149 100
 91 91.8 62.1 93.1
 206 0.0 14.3 21.5#

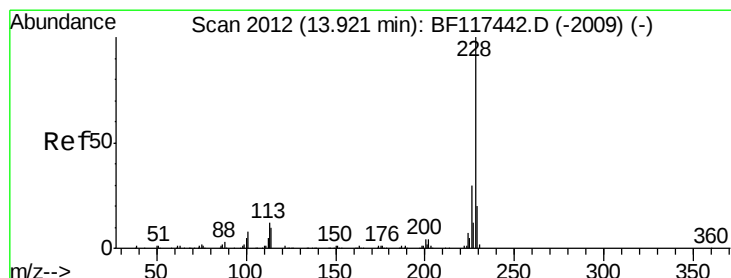
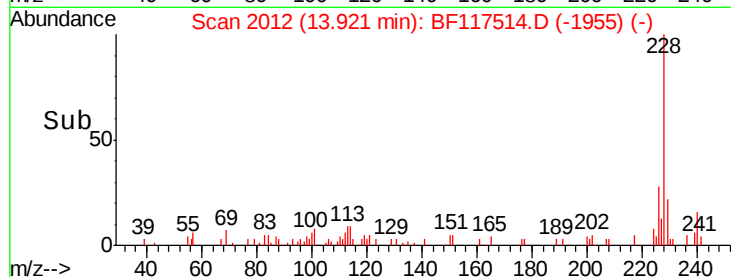
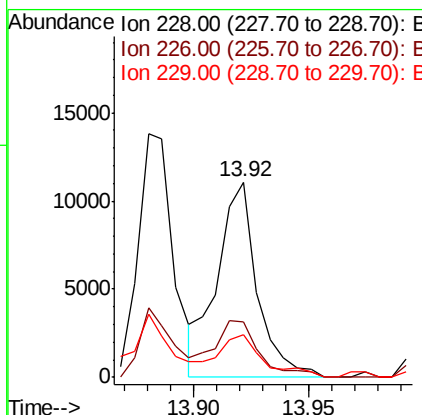
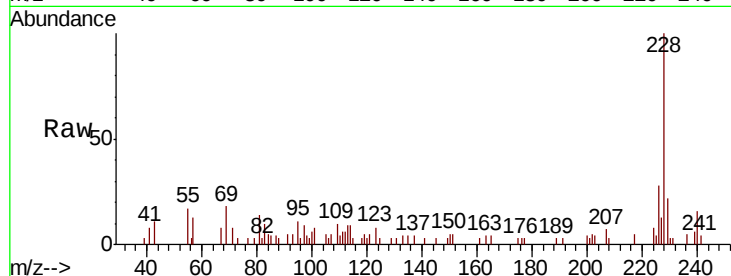




#81
Benzo(a)anthracene
Concen: 2.244 ng
RT: 13.92 min Scan# 2012
Delta R.T. 0.04 min
Lab File: BF117514.D
Acq: 24 Oct 2019 17:06

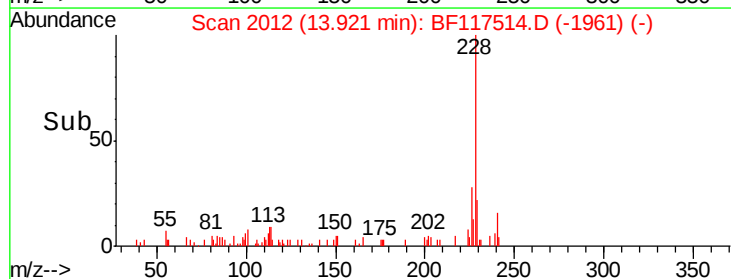
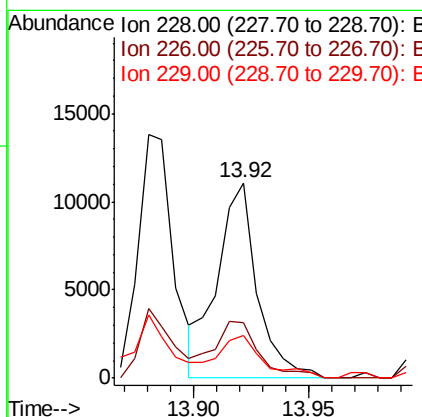
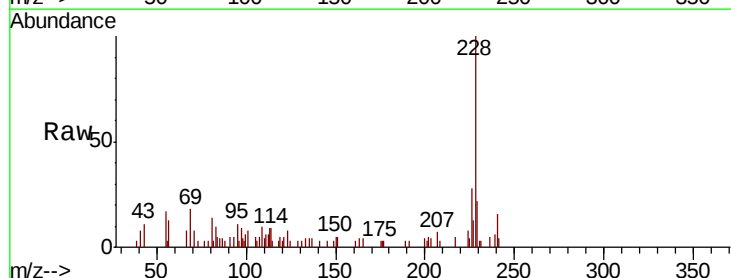
Instrument :
BNA_F
ClientSampleId :
802-00-(0-2)

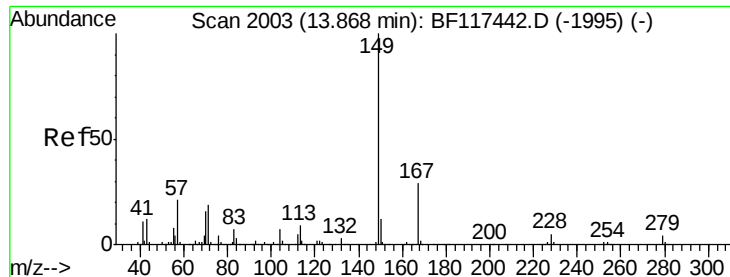
Tot Ion	Ratio	Lower	Upper
228	100		
226	28.4	21.0	31.4
229	21.7	16.4	24.6



#83
Chrysene
Concen: 2.289 ng
RT: 13.92 min Scan# 2012
Delta R.T. 0.00 min
Lab File: BF117514.D
Acq: 24 Oct 2019 17:06

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.4	23.9	35.9
229	21.7	15.8	23.6





#84

Bis(2-ethylhexyl)phthalate

Concen: 0.414 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF117514.D

Acq: 24 Oct 2019 17:06

Instrument :

BNA_F

ClientSampleId :

802-00-(0-2)

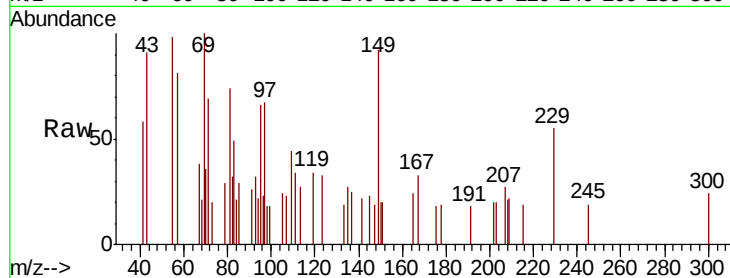
Tot Ion:149 Resp: 2188

Ion Ratio Lower Upper

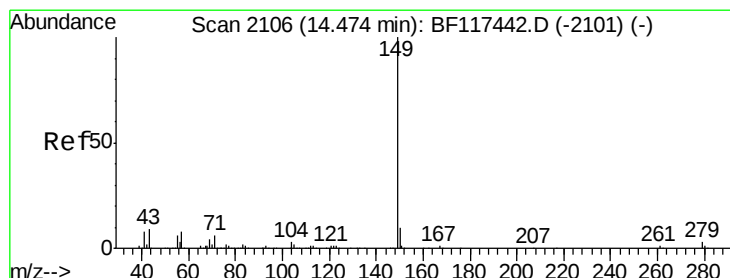
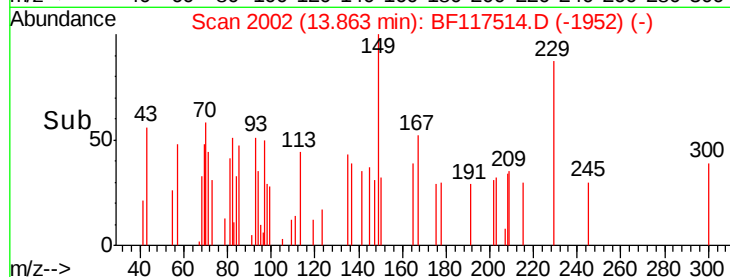
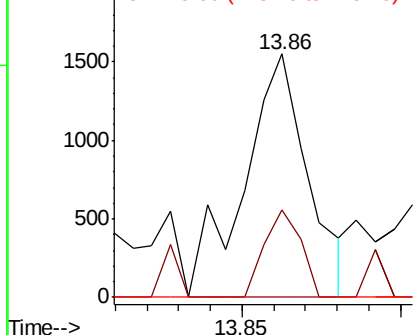
149 100

167 36.0 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: 0.032 ng

RT: 14.49 min Scan# 2108

Delta R.T. 0.01 min

Lab File: BF117514.D

Acq: 24 Oct 2019 17:06

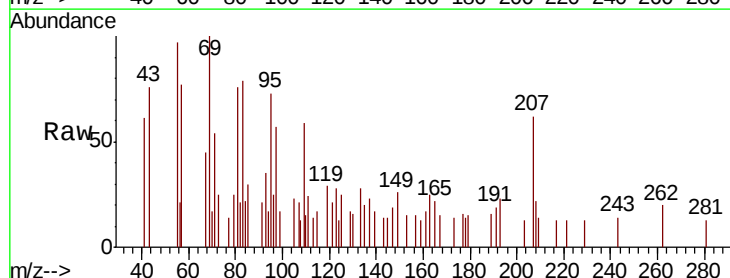
Tgt Ion:149 Resp: 261

Ion Ratio Lower Upper

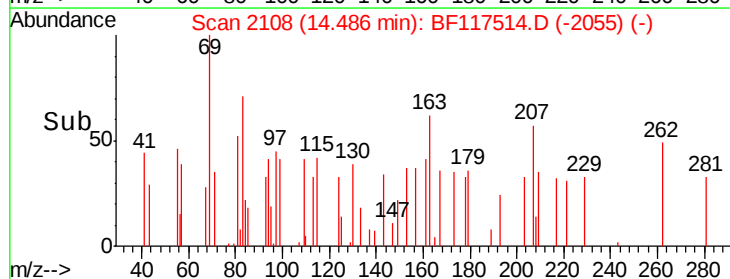
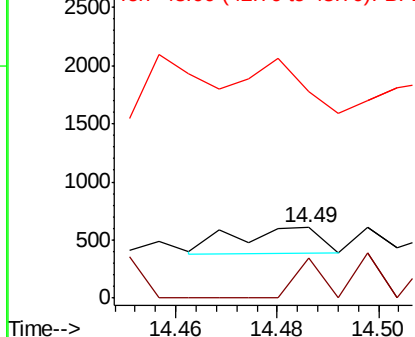
149 100

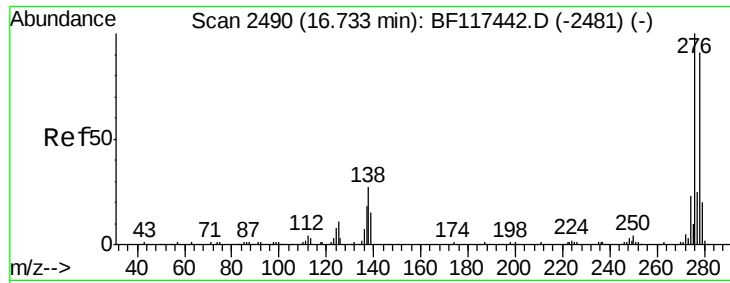
167 46.7 1.2 1.8#

43 0.0 6.8 10.2#



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1

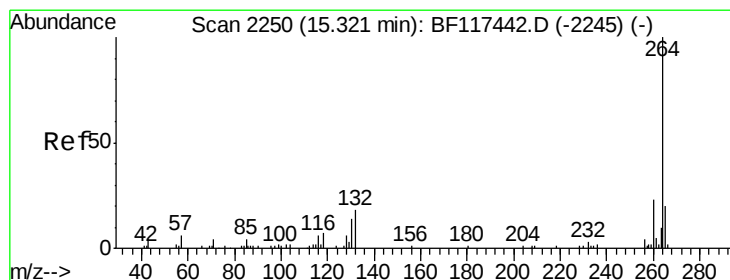
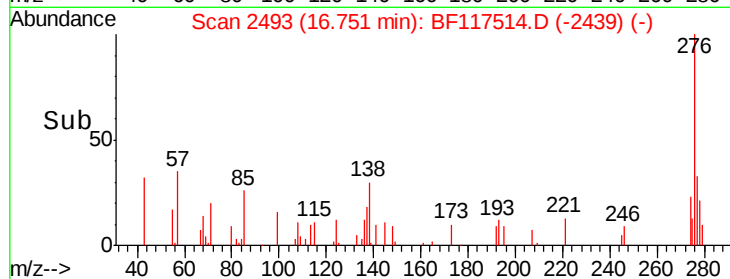
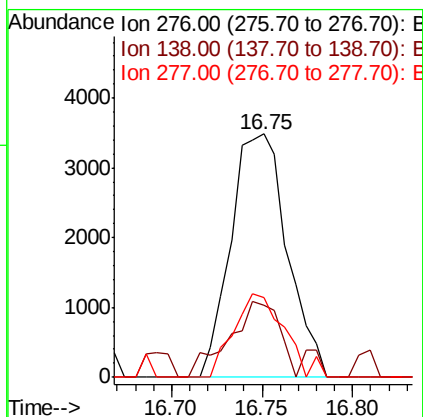
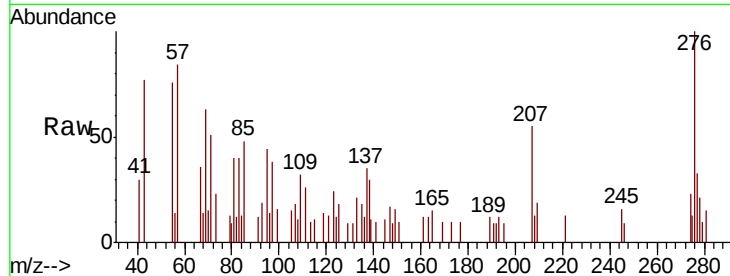




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 1.734 ng
 RT: 16.75 min Scan# 2493
 Delta R.T. 0.02 min
 Lab File: BF117514.D
 Acq: 24 Oct 2019 17:06

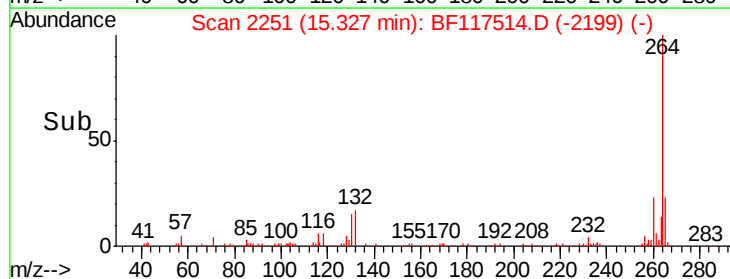
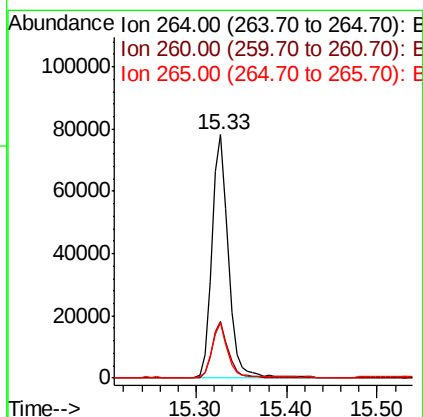
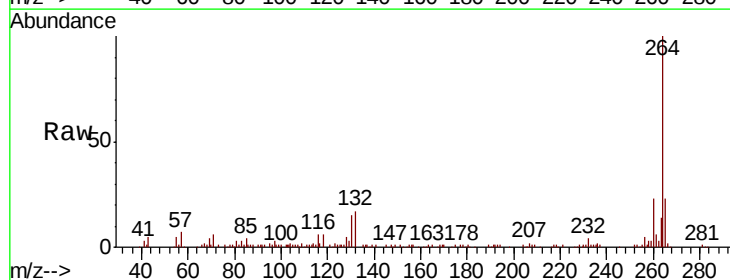
Instrument :
 BNA_F
 ClientSampleId :
 802-00-(0-2)

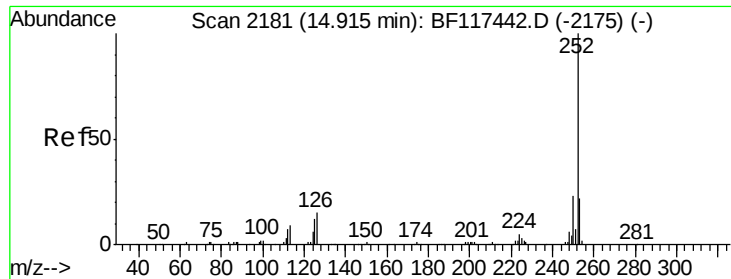
Tot Ion:276 Resp: 7559
 Ion Ratio Lower Upper
 276 100
 138 27.7 21.8 32.8
 277 30.7 20.0 30.0#



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.33 min Scan# 2251
 Delta R.T. 0.01 min
 Lab File: BF117514.D
 Acq: 24 Oct 2019 17:06

Tgt Ion:264 Resp: 99604
 Ion Ratio Lower Upper
 264 100
 260 23.2 18.4 27.6
 265 23.0 16.1 24.1

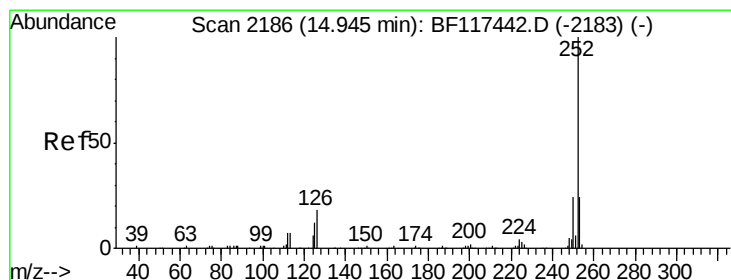
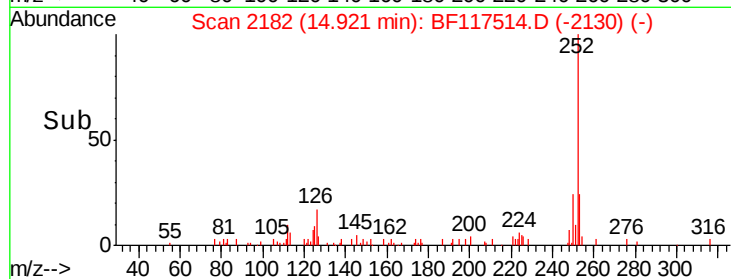
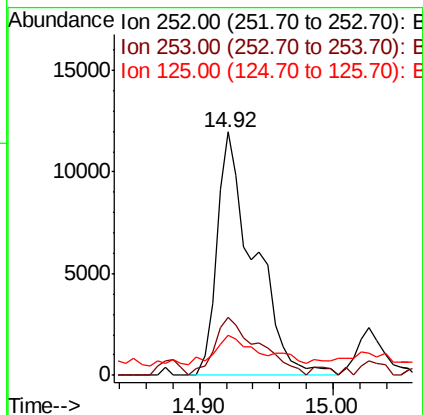
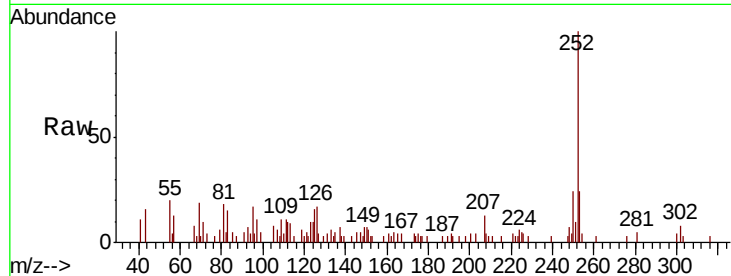




#88
Benzo(b)fluoranthene
Concen: 3.928 ng
RT: 14.92 min Scan# 2182
Delta R.T. 0.01 min
Lab File: BF117514.D
Acq: 24 Oct 2019 17:06

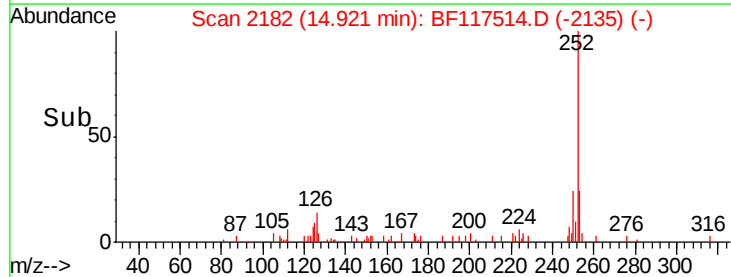
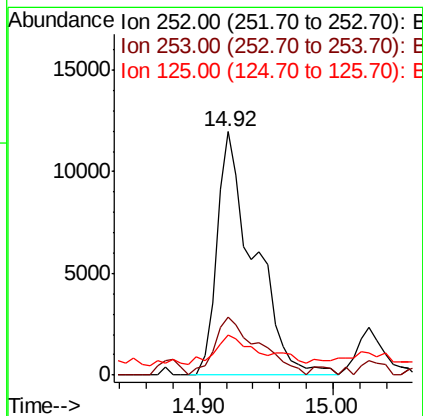
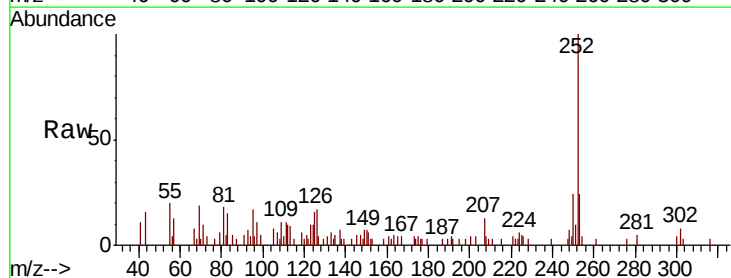
Instrument :
BNA_F
ClientSampleId :
802-00-(0-2)

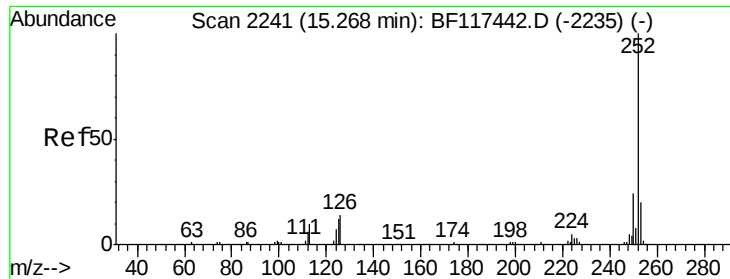
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.8	26.6
125	16.2	9.9	14.9#



#89
Benzo(k)fluoranthene
Concen: 3.832 ng
RT: 14.92 min Scan# 2182
Delta R.T. -0.02 min
Lab File: BF117514.D
Acq: 24 Oct 2019 17:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.0	27.0
125	16.2	8.9	13.3#





#90

Benzo(a)pyrene

Concen: 2.484 ng

RT: 15.27 min Scan# 2241

Delta R.T. 0.00 min

Lab File: BF117514.D

Acq: 24 Oct 2019 17:06

Instrument :

BNA_F

ClientSampleId :

802-00-(0-2)

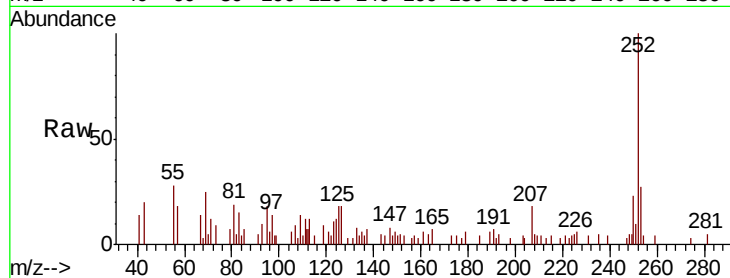
Tot Ion:252 Resp: 13282

Ion Ratio Lower Upper

252 100

253 27.4 16.3 24.5#

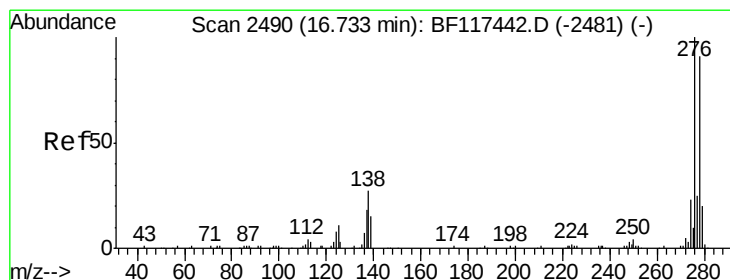
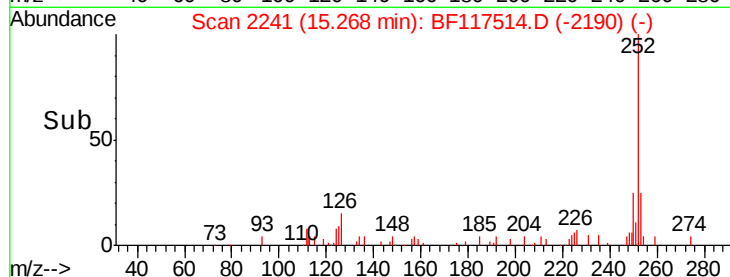
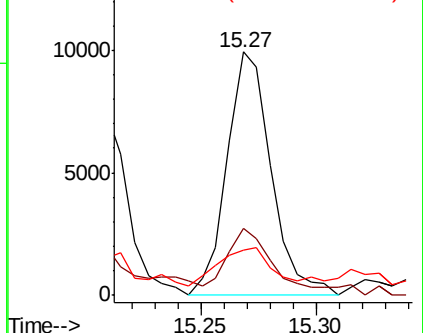
125 18.4 9.2 13.8#



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: 0.430 ng

RT: 16.74 min Scan# 2492

Delta R.T. 0.01 min

Lab File: BF117514.D

Acq: 24 Oct 2019 17:06

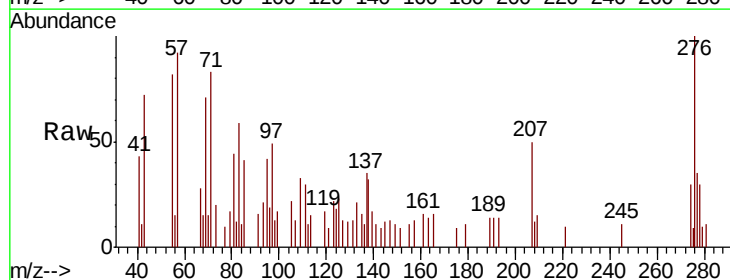
Tgt Ion:278 Resp: 1990

Ion Ratio Lower Upper

278 100

139 57.0 13.4 20.0#

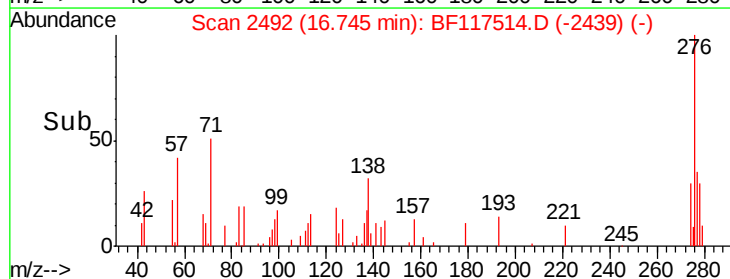
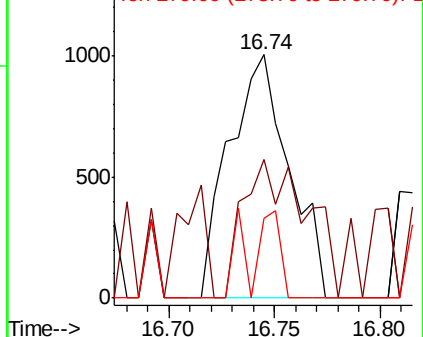
279 32.6 17.8 26.6#

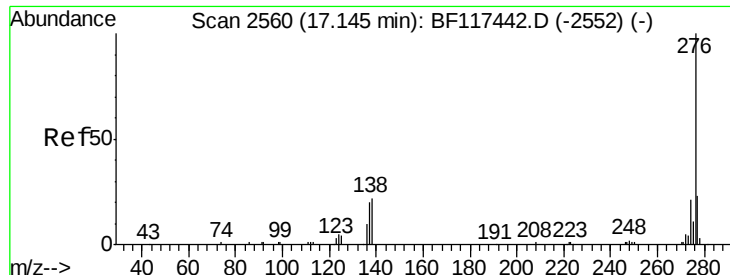


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92

Benzo(a,h,i)perylene

Concen: 1.534 ng

RT: 17.17 min Scan# 2565

Delta R.T. 0.03 min

Lab File: BF117514.D

Acq: 24 Oct 2019 17:06

Instrument :

BNA_F

ClientSampleId :

802-00-(0-2)

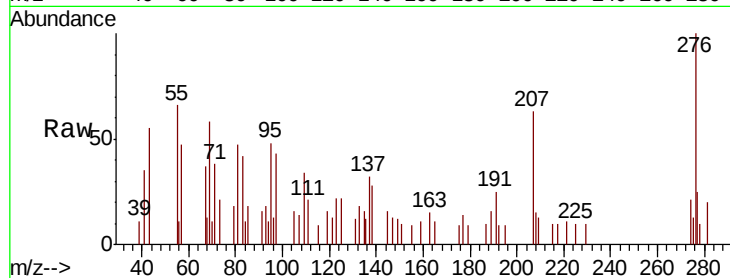
Tot Ion:276 Resp: 6711

Ion Ratio Lower Upper

276 100

277 25.2 18.4 27.6

138 27.9 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

