

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091919\
 Data File : BF117179.D
 Acq On : 19 Sep 2019 17:22
 Operator : HP/JU
 Sample : K4959-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 20 01:34:41 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 13 16:23:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	29268	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	111446	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	54939	20.00	ng	0.03
64) Phenanthrene-d10	11.42	188	72304	20.00	ng	0.09
76) Chrysene-d12	14.06	240	59682	20.00	ng	0.09
87) Perylene-d12	15.47	264	59842	20.00	ng	0.05

System Monitoring Compounds

5) 2-Fluorophenol	5.44	112	136662	72.90	ng	0.00
7) Phenol-d6	6.46	99	201034	82.98	ng	0.00
23) Nitrobenzene-d5	7.38	82	130226	61.40	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	31635	68.90	ng	0.05
45) 2-Fluorobiphenyl	9.19	172	238238	67.80	ng	0.01
79) Terphenyl-d14	13.03	244	159030	49.81	ng	0.12

Target Compounds

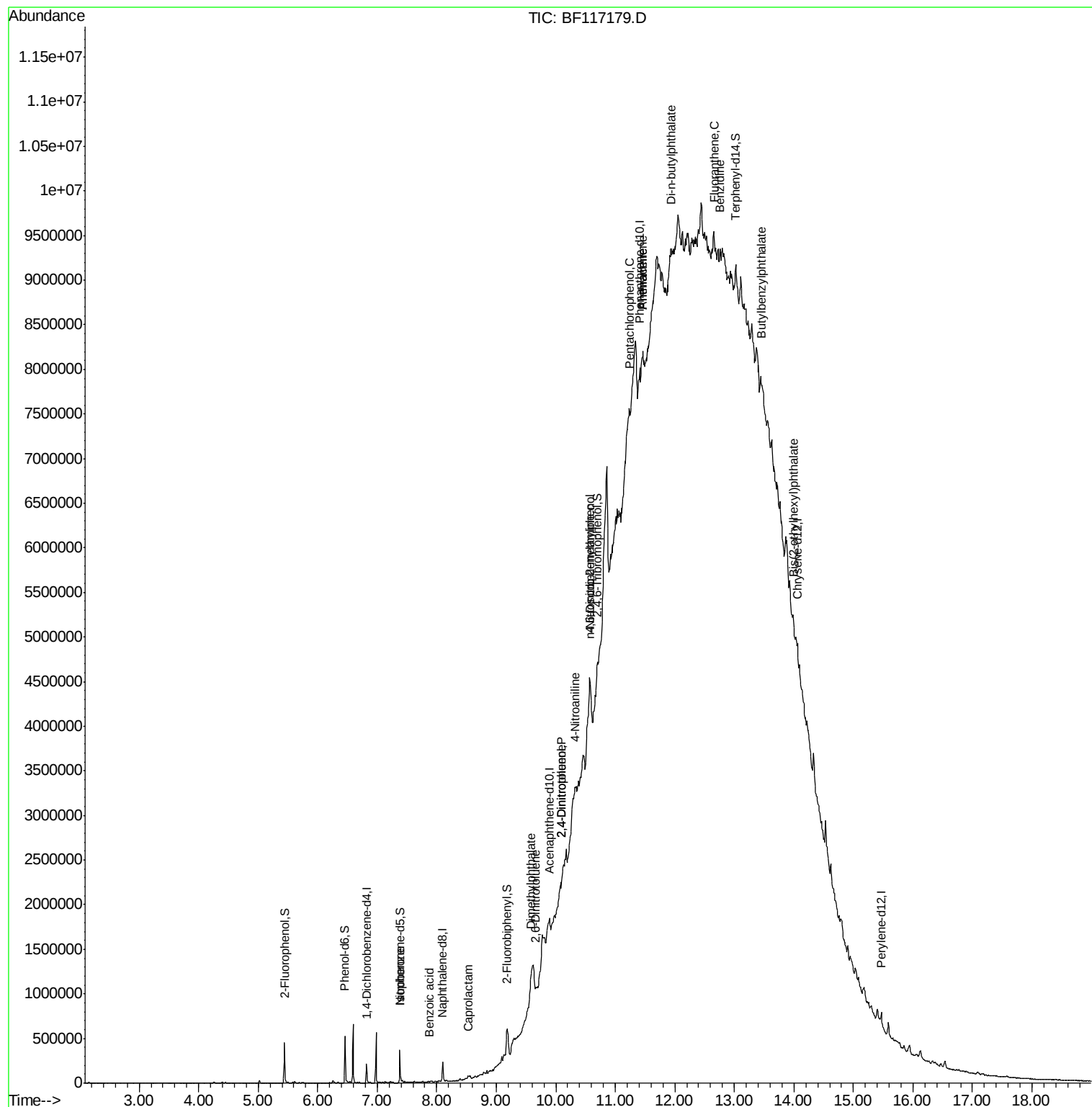
						Qvalue
9) Benzaldehyde	6.38	77	229	Below Cal	#	51
25) Isophorone	7.38	82	130223	34.675 ng	#	66
32) Benzoic acid	7.87	122	144	6.709 ng	#	84
35) Caprolactam	8.52	113	1018	2.012 ng	#	1
50) Dimethylphthalate	9.58	163	16272	4.183 ng	#	41
51) 2,6-Dinitrotoluene	9.66	165	4880	6.160 ng	#	45
54) 2,4-Dinitrophenol	10.08	184	2300	15.119 ng	#	1
57) 2,4-Dinitrotoluene	10.09	165	4584	4.457 ng	#	43
62) 4-Nitroaniline	10.33	138	23585	22.688 ng	#	90
65) 4,6-Dinitro-2-methylphenol	10.57	198	4946	19.756 ng	#	1
66) n-Nitrosodiphenylamine	10.58	169	75283	30.148 ng	#	63
69) Atrazine	11.09	200	489	Below Cal	#	1
70) Pentachlorophenol	11.25	266	4310	11.385 ng	#	46
71) Phenanthrene	11.45	178	78712	19.166 ng	#	1
72) Anthracene	11.45	178	79542	18.971 ng	#	1
74) Di-n-butylphthalate	11.95	149	13605	2.873 ng	#	22
75) Fluoranthene	12.67	202	12547	2.973 ng	#	1
77) Benzidine	12.74	184	4319	2.247 ng	#	1
80) Butylbenzylphthalate	13.46	149	7334	3.099 ng	#	24
84) Bis(2-ethylhexyl)phthalate	14.00	149	17825	5.842 ng	#	52

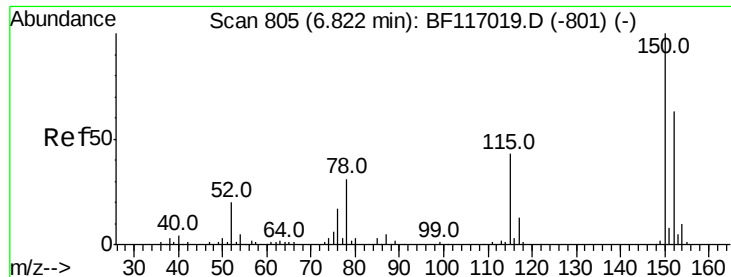
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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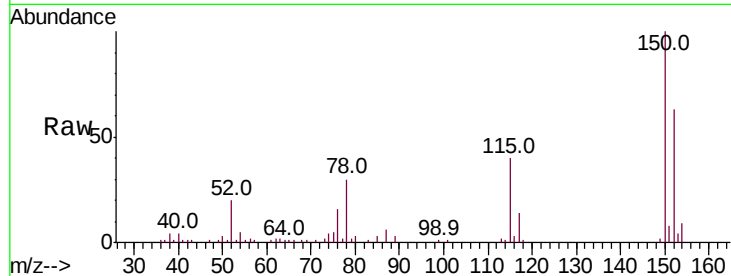


#1

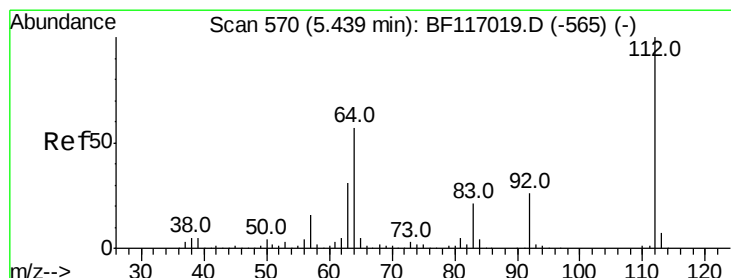
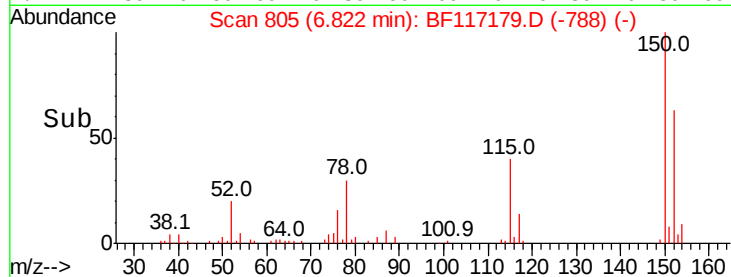
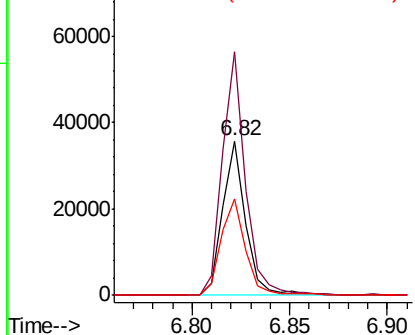
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF117179.D
Acq: 19 Sep 2019 17:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 29268
Ion Ratio Lower Upper
152 100
150 158.0 127.5 191.3
115 62.8 55.0 82.4



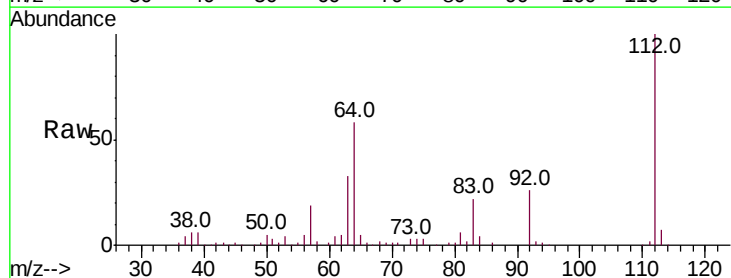
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



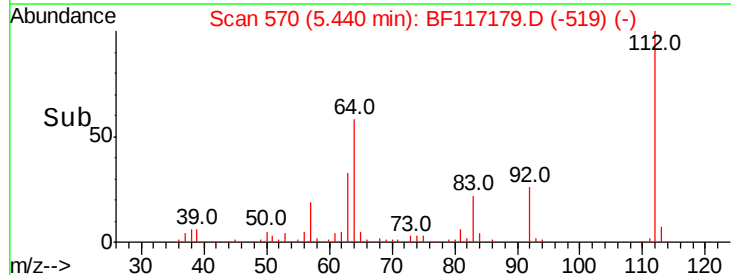
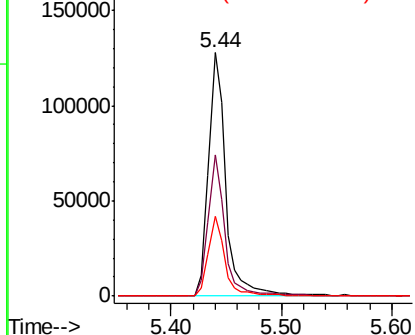
#5

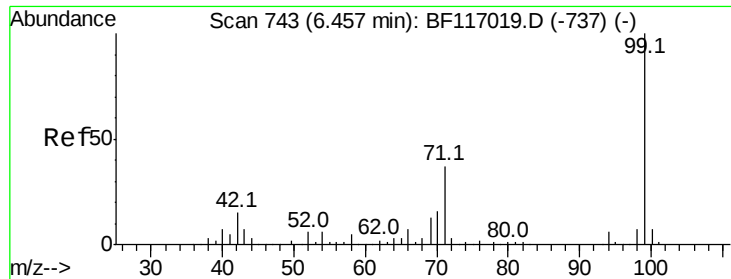
2-Fluorophenol
Concen: 72.900 ng
RT: 5.44 min Scan# 570
Delta R.T. 0.00 min
Lab File: BF117179.D
Acq: 19 Sep 2019 17:22

Tgt Ion:112 Resp: 136662
Ion Ratio Lower Upper
112 100
64 57.9 45.7 68.5
63 32.8 24.9 37.3



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





#7

Phenol-d6

Concen: 82.978 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.00 min

Lab File: BF117179.D

Acq: 19 Sep 2019 17:22

Instrument :

BNA_F

ClientSampleId :

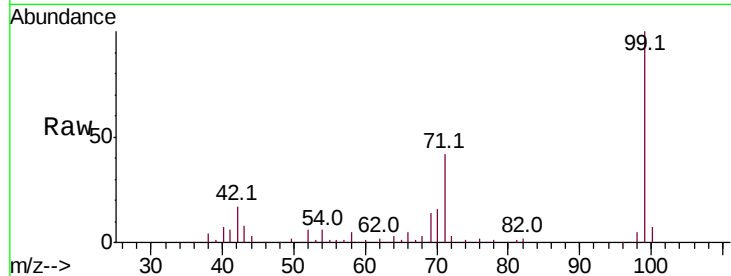
Tot Ion: 99 Resp: 201034

Ion Ratio Lower Upper

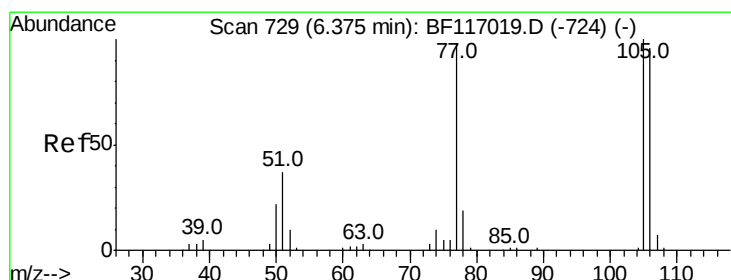
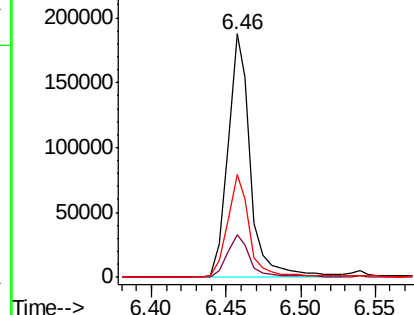
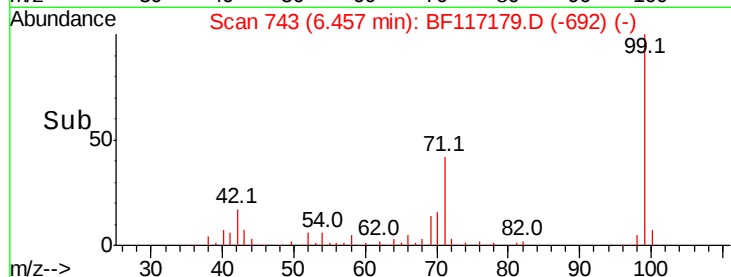
99 100

42 17.5 12.2 18.2

71 42.1 29.8 44.8



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: 6.38 min Scan# 730

Delta R.T. 0.01 min

Lab File: BF117179.D

Acq: 19 Sep 2019 17:22

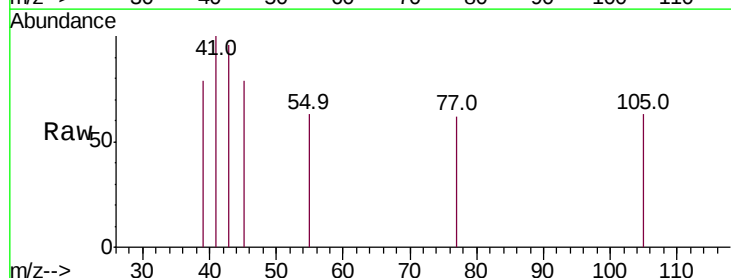
Tgt Ion: 77 Resp: 229

Ion Ratio Lower Upper

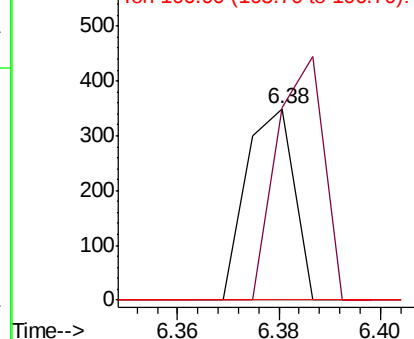
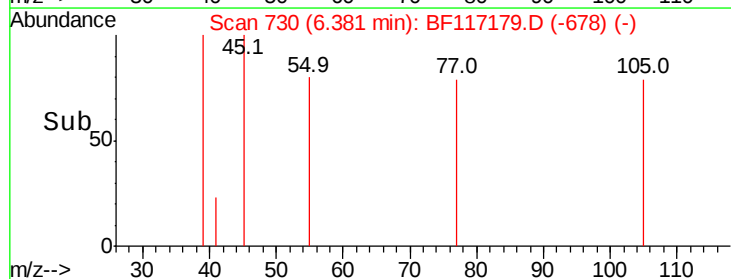
77 100

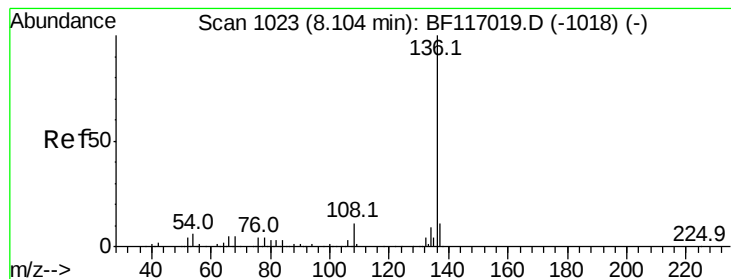
105 100.6 81.8 121.8

106 0.0 77.3 117.3#



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1022

Delta R.T. -0.01 min

Lab File: BF117179.D

Acq: 19 Sep 2019 17:22

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 111446

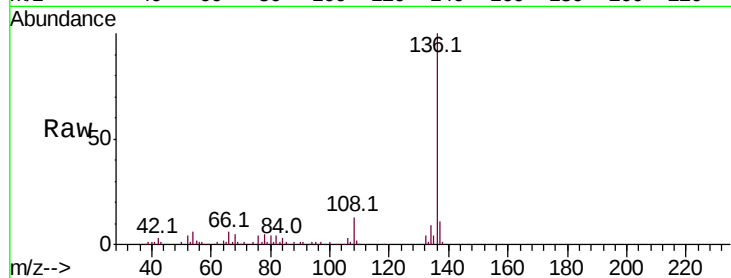
Ion Ratio Lower Upper

136 100

137 11.5 9.0 13.4

54 6.0 4.5 6.7

68 5.4 4.0 6.0

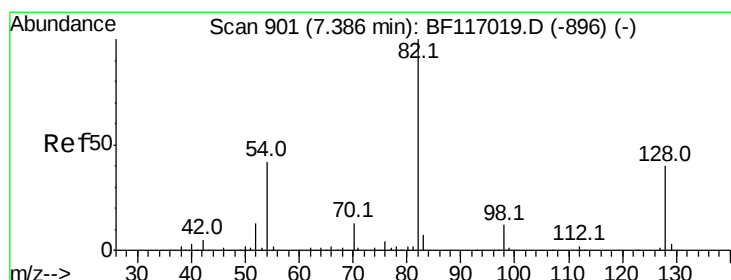
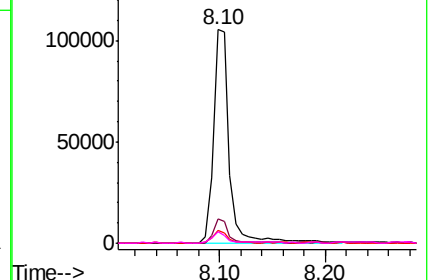
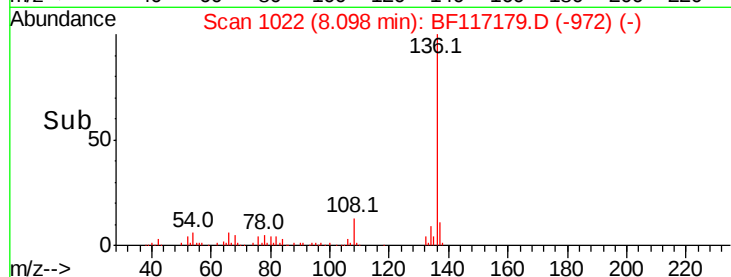


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 61.396 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.01 min

Lab File: BF117179.D

Acq: 19 Sep 2019 17:22

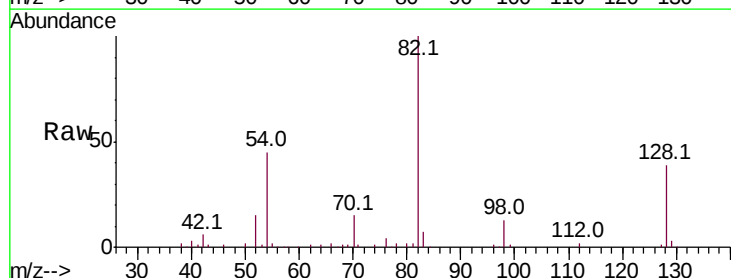
Tgt Ion: 82 Resp: 130226

Ion Ratio Lower Upper

82 100

128 38.9 32.3 48.5

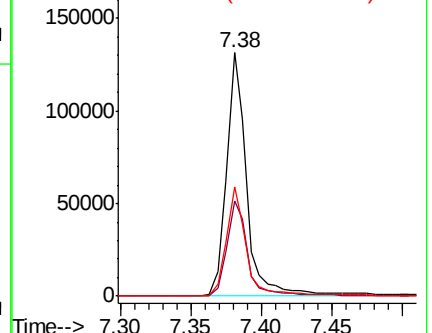
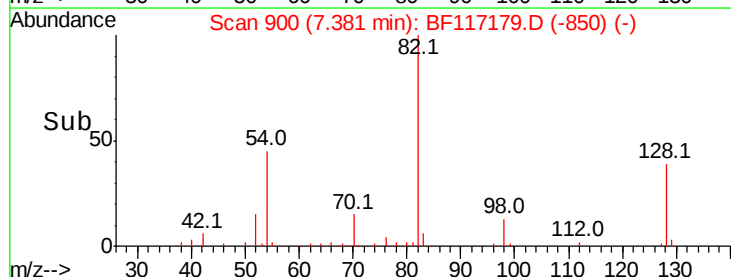
54 44.7 33.3 49.9

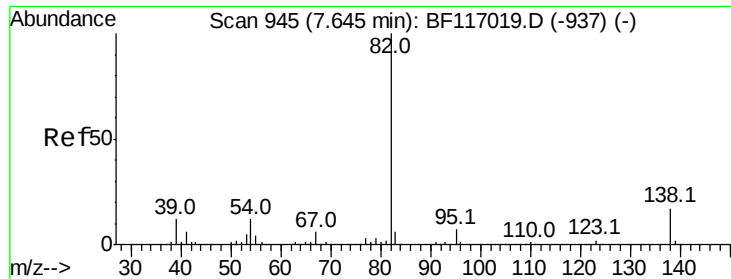


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 34.675 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.26 min

Lab File: BF117179.D

Acq: 19 Sep 2019 17:22

Instrument :

BNA_F

ClientSampleId :

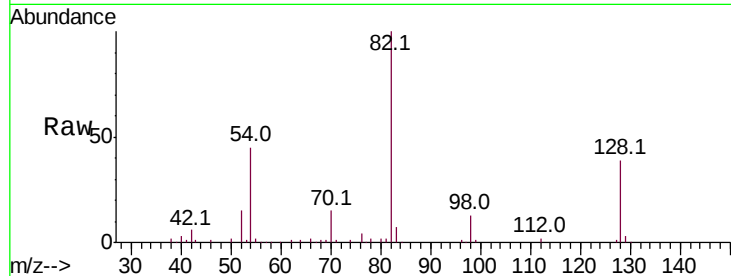
Tot Ion: 82 Resp: 130223

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

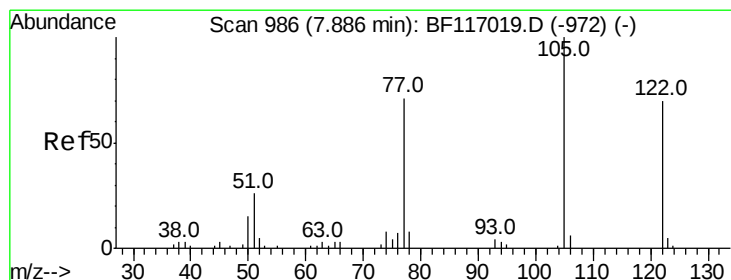
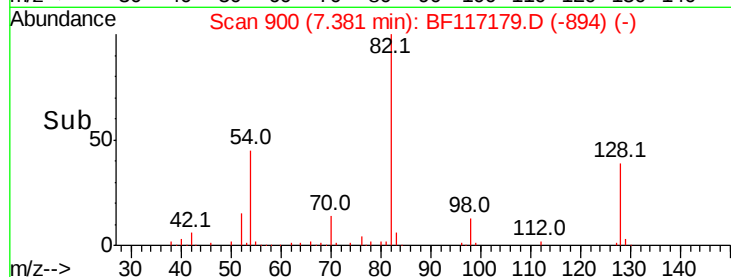
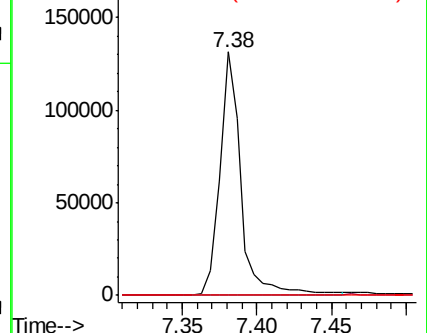
138 0.0 13.5 20.3#



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



#32

Benzoic acid

Concen: 6.709 ng

RT: 7.87 min Scan# 984

Delta R.T. -0.01 min

Lab File: BF117179.D

Acq: 19 Sep 2019 17:22

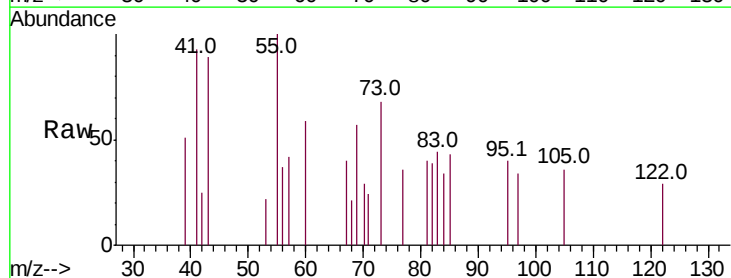
Tgt Ion: 122 Resp: 144

Ion Ratio Lower Upper

122 100

105 123.1 114.8 154.8

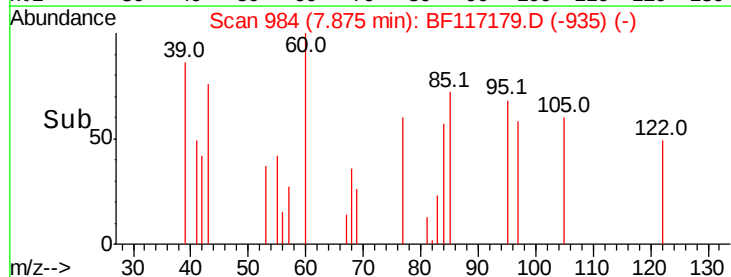
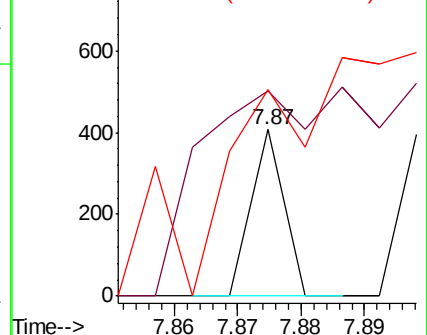
77 123.8 78.7 118.7#

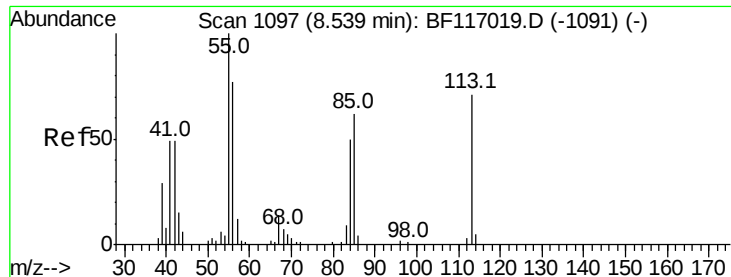


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





#35

Caprolactam

Concen: 2.012 ng

RT: 8.52 min Scan# 1094

Delta R.T. -0.02 min

Lab File: BF117179.D

Acq: 19 Sep 2019 17:22

Instrument :

BNA_F

ClientSampleId :

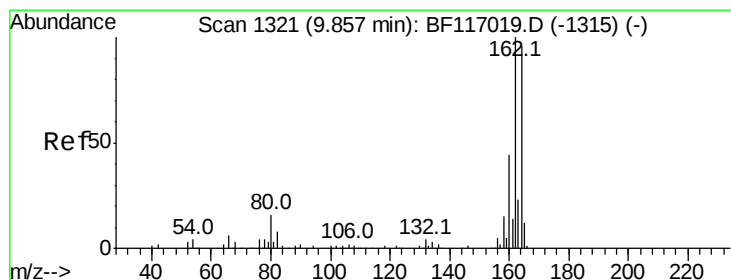
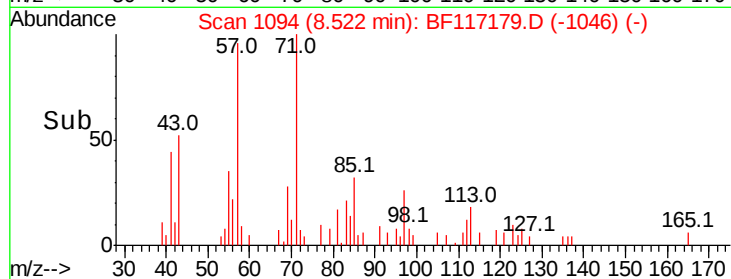
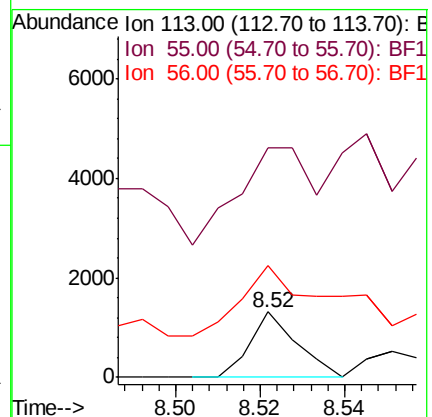
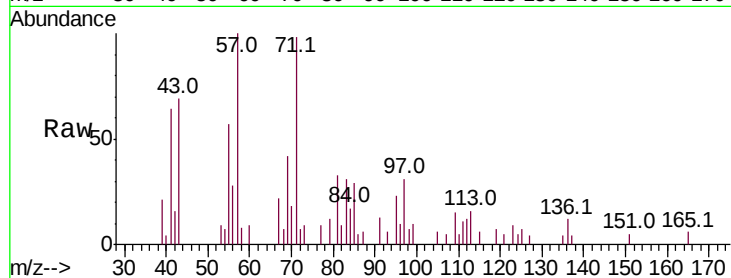
Tot Ion:113 Resp: 1018

Ion Ratio Lower Upper

113 100

55 350.3 120.6 160.6#

56 170.1 88.8 128.8#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.89 min Scan# 1326

Delta R.T. 0.03 min

Lab File: BF117179.D

Acq: 19 Sep 2019 17:22

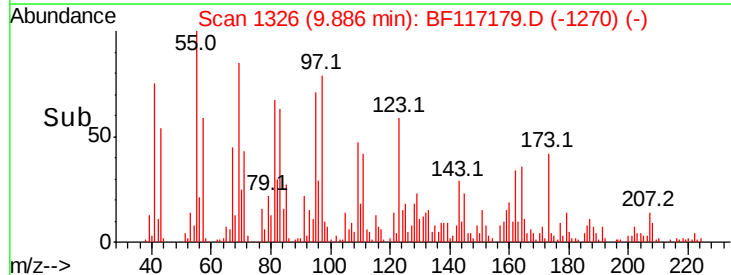
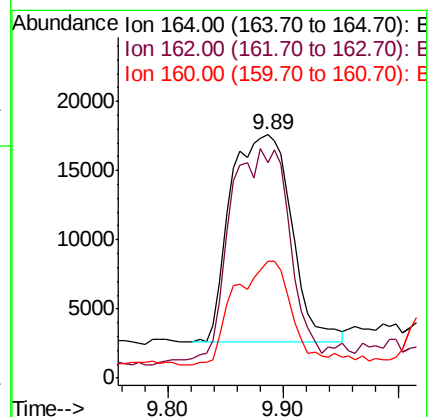
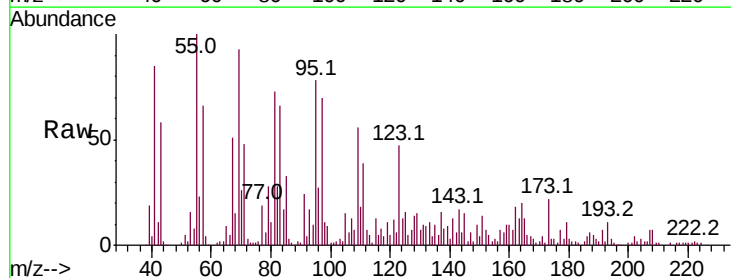
Tgt Ion:164 Resp: 54939

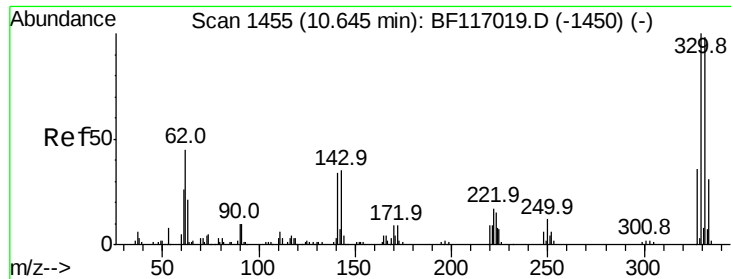
Ion Ratio Lower Upper

164 100

162 88.3 83.4 125.2

160 48.3 36.4 54.6

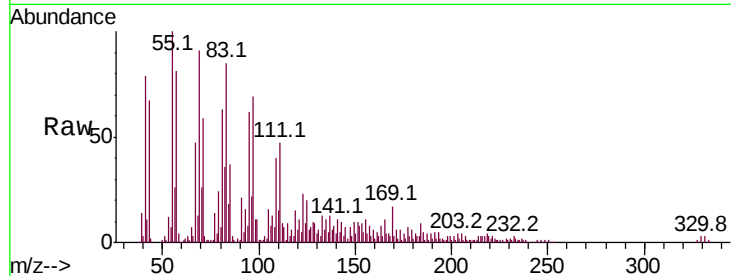




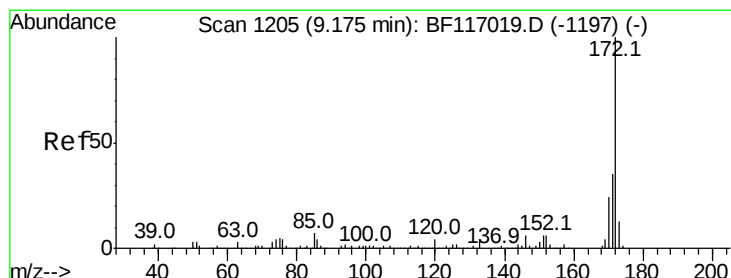
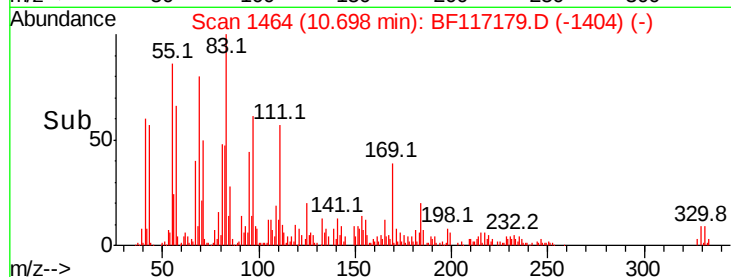
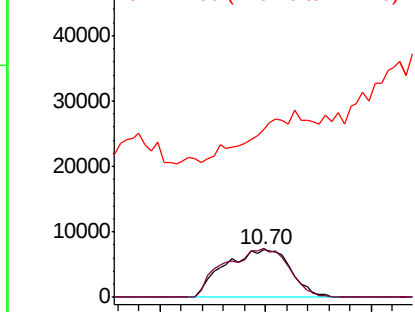
#42
 2,4,6-Tribromophenol
 Concen: 68.897 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. 0.05 min
 Lab File: BF117179.D
 Acq: 19 Sep 2019 17:22

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 31635
 Ion Ratio Lower Upper
 330 100
 332 100.5 78.0 117.0
 141 0.0 35.8 53.6#

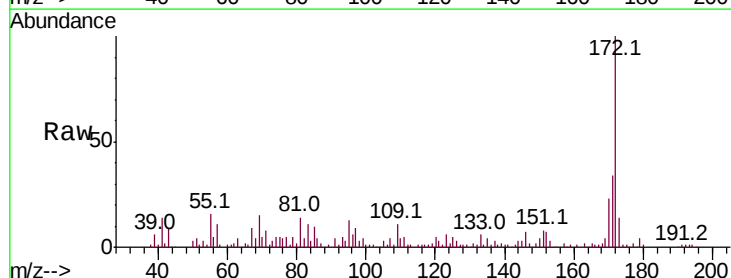


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

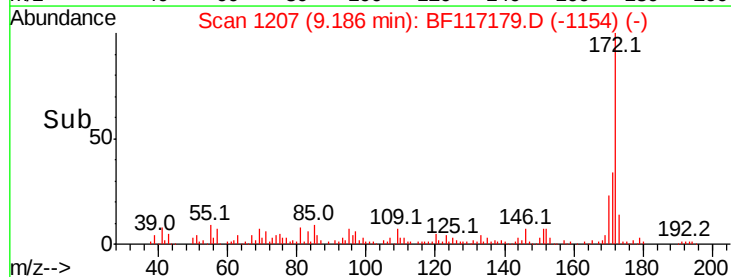
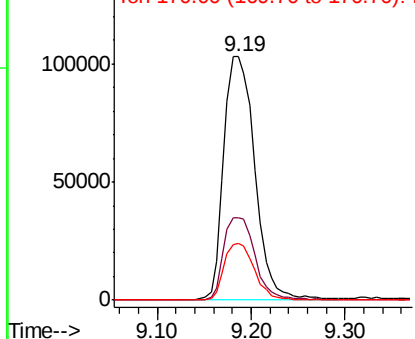


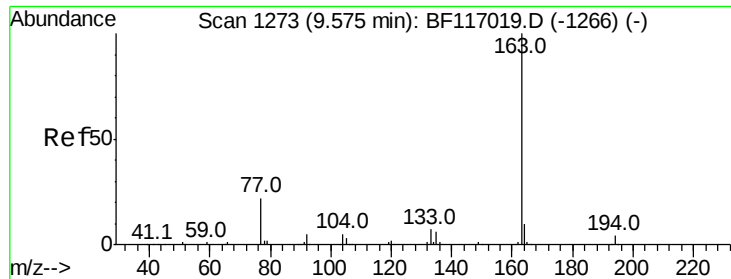
#45
 2-Fluorobiphenyl
 Concen: 67.803 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. 0.01 min
 Lab File: BF117179.D
 Acq: 19 Sep 2019 17:22

Tgt Ion:172 Resp: 238238
 Ion Ratio Lower Upper
 172 100
 171 33.6 28.2 42.2
 170 23.1 18.9 28.3



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

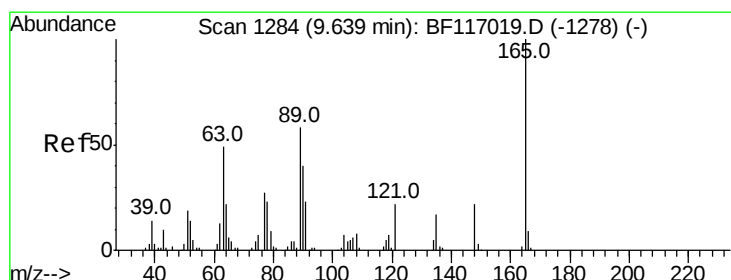
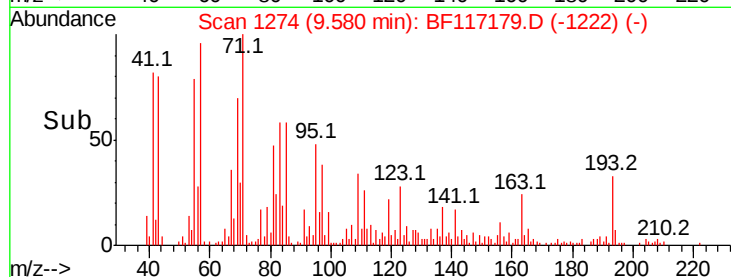
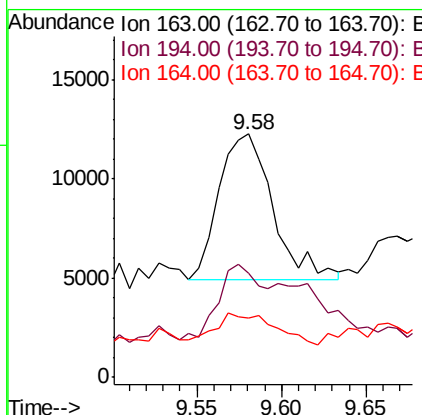
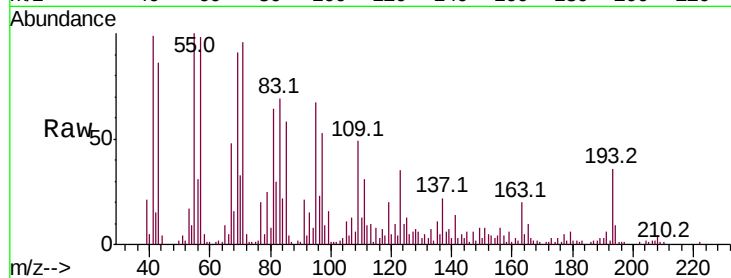




#50
Dimethylphthalate
Concen: 4.183 ng
RT: 9.58 min Scan# 1274
Delta R.T. 0.01 min
Lab File: BF117179.D
Acq: 19 Sep 2019 17:22

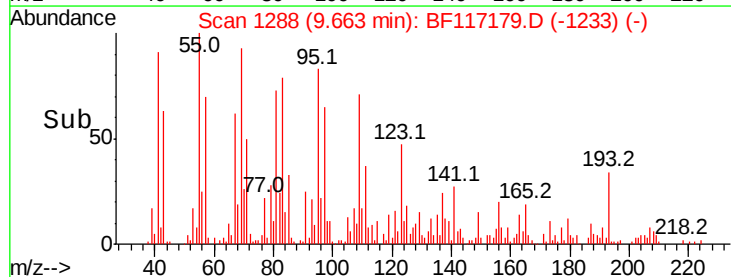
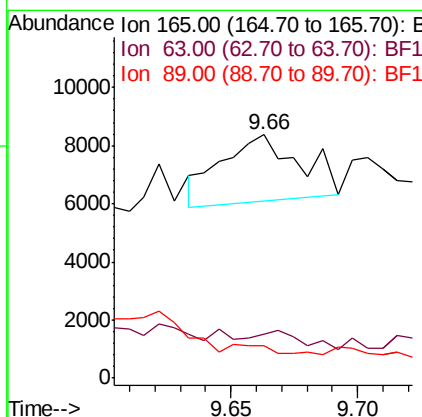
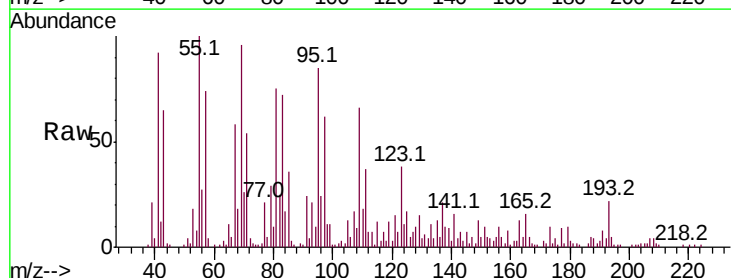
Instrument :
BNA_F
ClientSampleId :

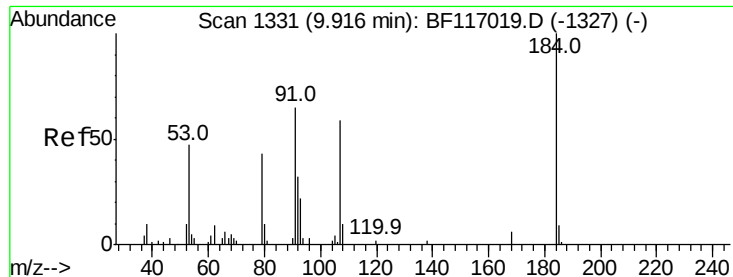
Tot Ion:163 Resp: 16272
Ion Ratio Lower Upper
163 100
194 42.6 2.9 4.3#
164 24.4 8.2 12.4#



#51
2,6-Dinitrotoluene
Concen: 6.160 ng
RT: 9.66 min Scan# 1288
Delta R.T. 0.02 min
Lab File: BF117179.D
Acq: 19 Sep 2019 17:22

Tgt Ion:165 Resp: 4880
Ion Ratio Lower Upper
165 100
63 18.1 41.8 62.8#
89 13.1 46.5 69.7#

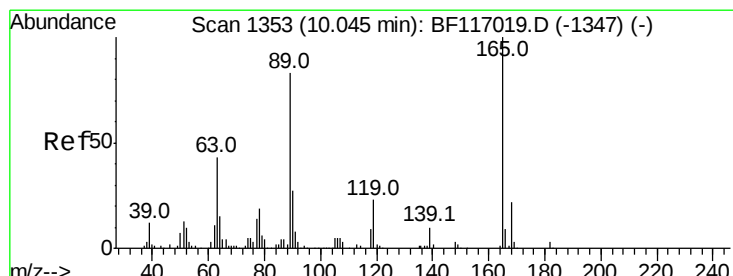
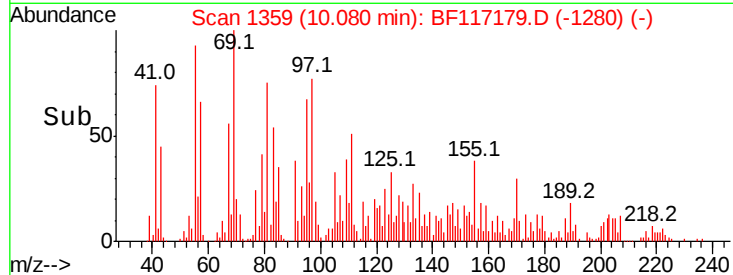
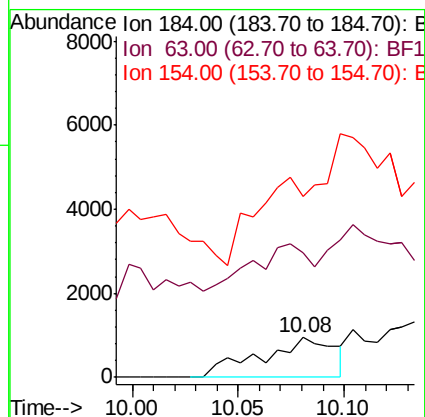
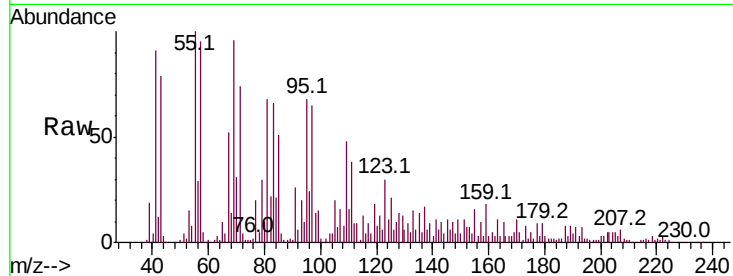




#54
 2,4-Dinitrophenol
 Concen: 15.119 ng
 RT: 10.08 min Scan# 1359
 Delta R.T. 0.17 min
 Lab File: BF117179.D
 Acq: 19 Sep 2019 17:22

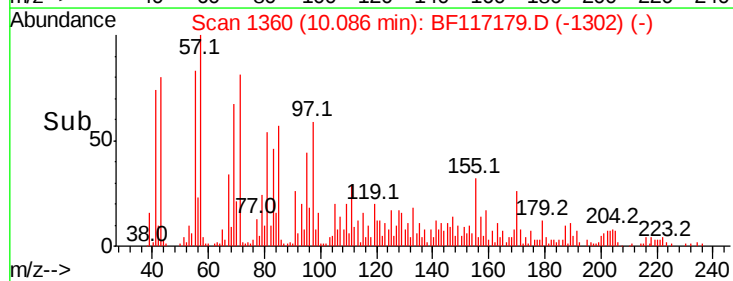
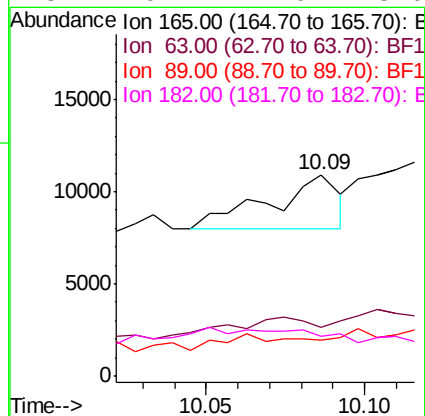
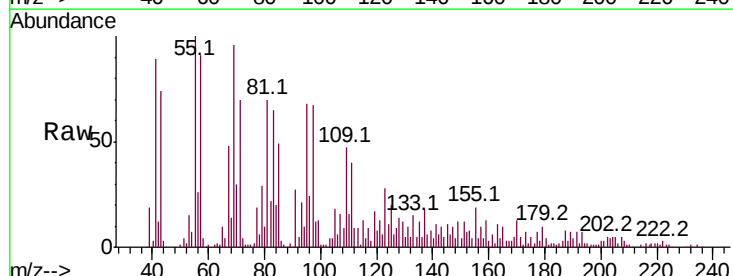
Instrument :
 BNA_F
 ClientSampleId :

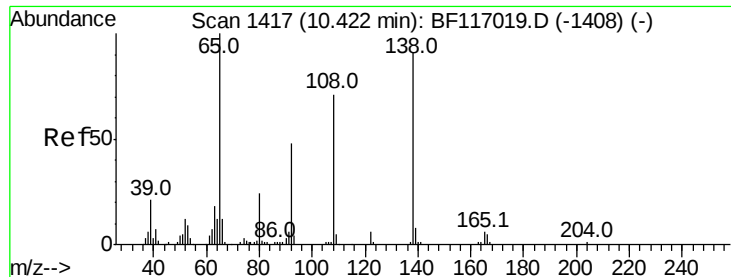
Tot Ion:184 Resp: 2300
 Ion Ratio Lower Upper
 184 100
 63 316.0 63.8 95.6#
 154 456.1 60.4 90.6#



#57
 2,4-Dinitrotoluene
 Concen: 4.457 ng
 RT: 10.09 min Scan# 1360
 Delta R.T. 0.04 min
 Lab File: BF117179.D
 Acq: 19 Sep 2019 17:22

Tgt Ion:165 Resp: 4584
 Ion Ratio Lower Upper
 165 100
 63 24.2 35.0 52.4#
 89 18.1 66.1 99.1#
 182 19.4 2.0 3.0#





#62

4-Nitroaniline

Concen: 22.688 ng

RT: 10.33 min Scan# 1402

Delta R.T. -0.09 min

Lab File: BF117179.D

Acq: 19 Sep 2019 17:22

Instrument :

BNA_F

ClientSampleId :

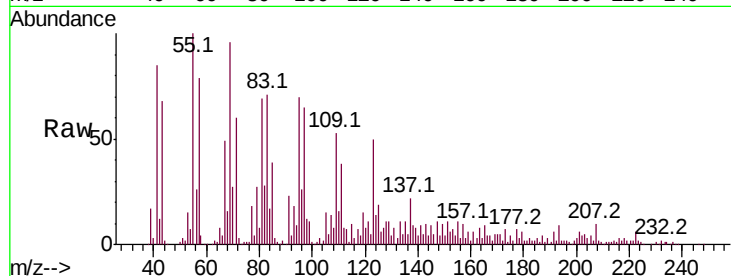
Tot Ion:138 Resp: 23585

Ion Ratio Lower Upper

138 100

92 46.1 32.9 72.9

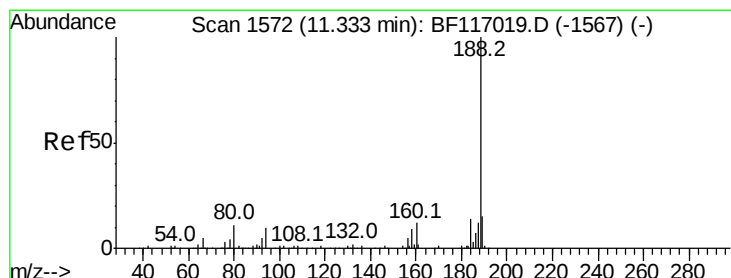
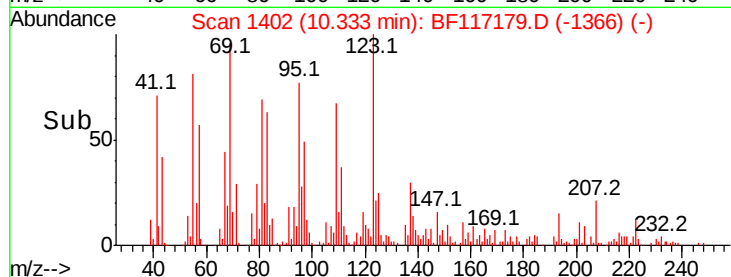
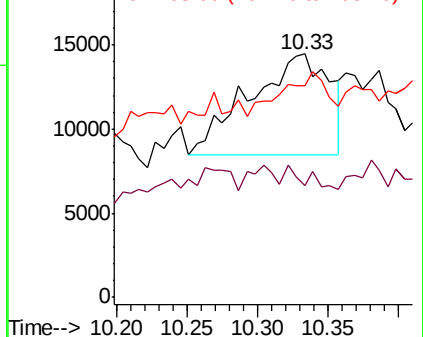
108 86.7 58.3 98.3



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF1

Ion 108.00 (107.70 to 108.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.42 min Scan# 1587

Delta R.T. 0.09 min

Lab File: BF117179.D

Acq: 19 Sep 2019 17:22

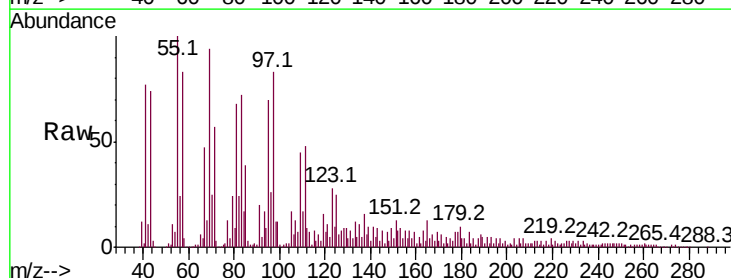
Tgt Ion:188 Resp: 72304

Ion Ratio Lower Upper

188 100

94 156.8 8.2 12.2#

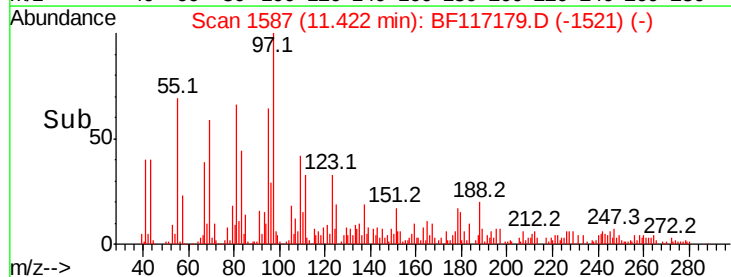
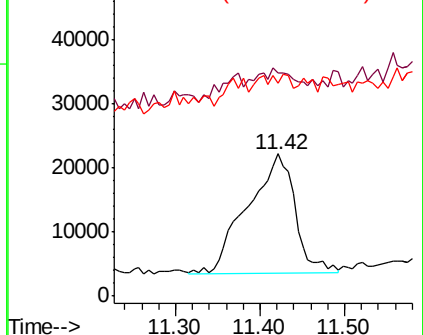
80 149.9 9.0 13.6#

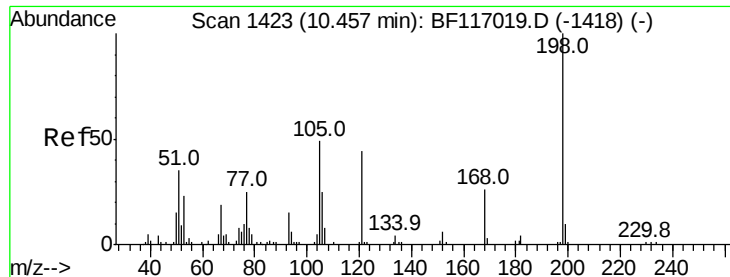


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#65

4,6-Dinitro-2-methylphenol

Concen: 19.756 ng

RT: 10.57 min Scan# 1443

Delta R.T. 0.12 min

Lab File: BF117179.D

Acq: 19 Sep 2019 17:22

Instrument :

BNA_F

ClientSampleId :

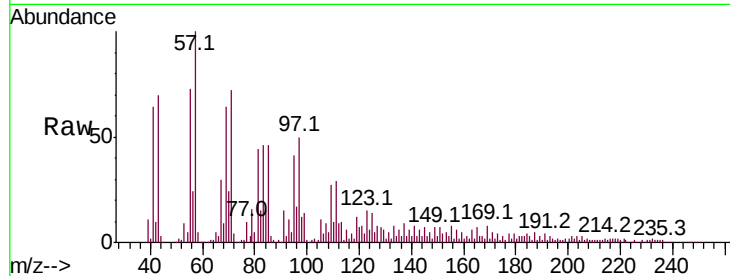
Tot Ion:198 Resp: 4946

Ion Ratio Lower Upper

198 100

51 164.7 18.7 58.7#

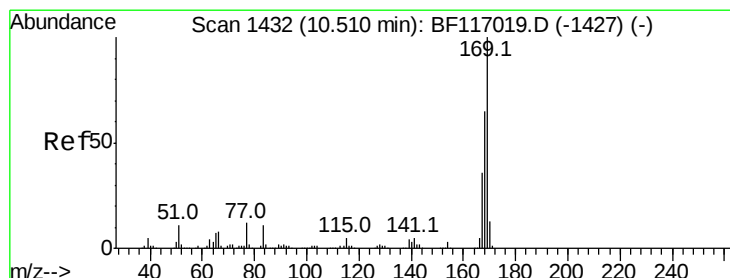
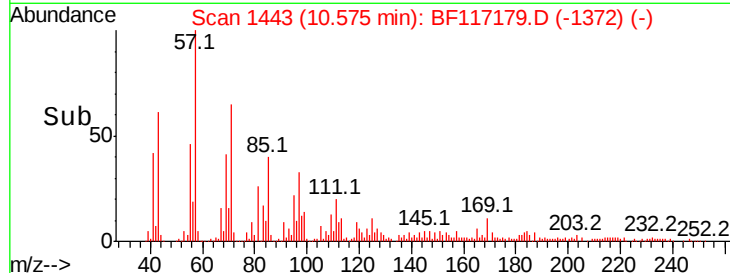
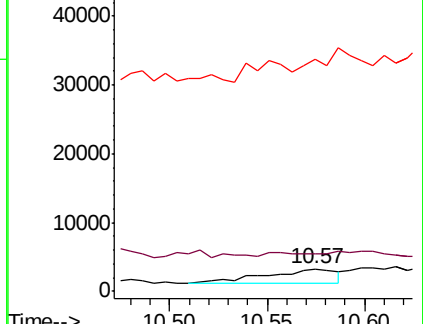
105 1027.2 30.2 70.2#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 30.148 ng

RT: 10.58 min Scan# 1444

Delta R.T. 0.07 min

Lab File: BF117179.D

Acq: 19 Sep 2019 17:22

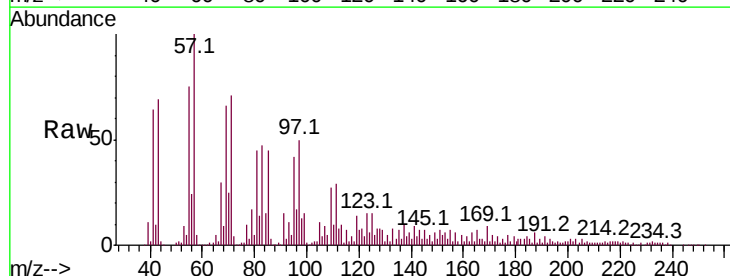
Tgt Ion:169 Resp: 75283

Ion Ratio Lower Upper

169 100

168 20.7 52.2 78.2#

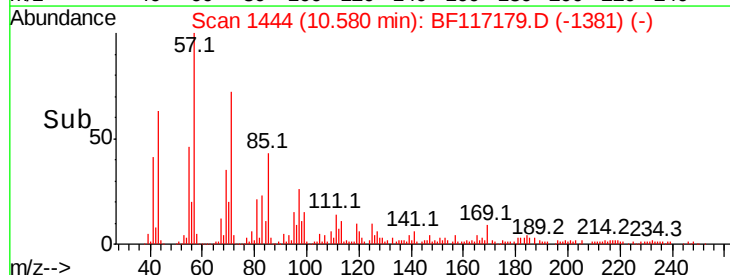
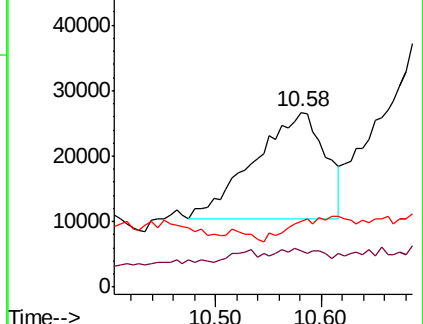
167 37.9 28.8 43.2

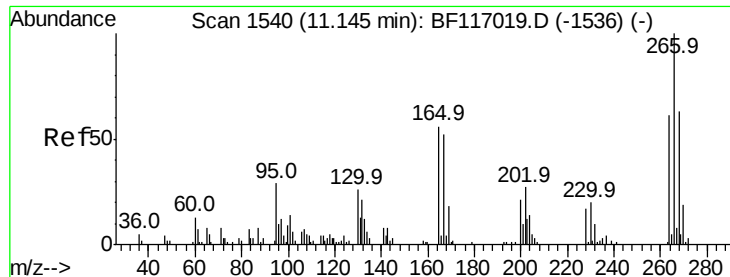


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#70

Pentachlorophenol

Concen: 11.385 ng

RT: 11.25 min Scan# 1557

Delta R.T. 0.10 min

Lab File: BF117179.D

Acq: 19 Sep 2019 17:22

Instrument :

BNA_F

ClientSampled :

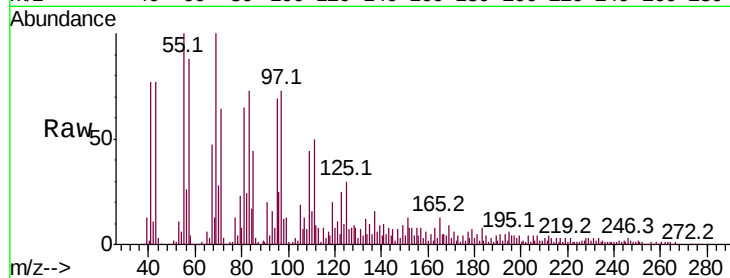
Tot Ion:266 Resp: 4310

Ion Ratio Lower Upper

266 100

268 0.0 50.5 75.7#

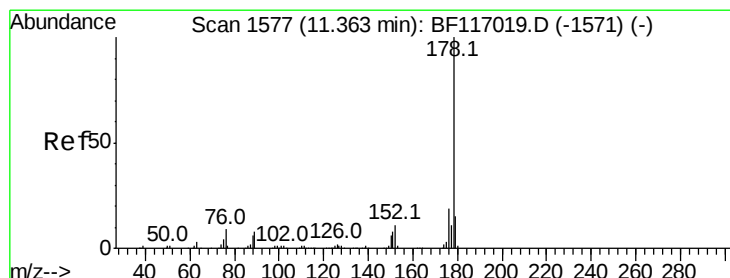
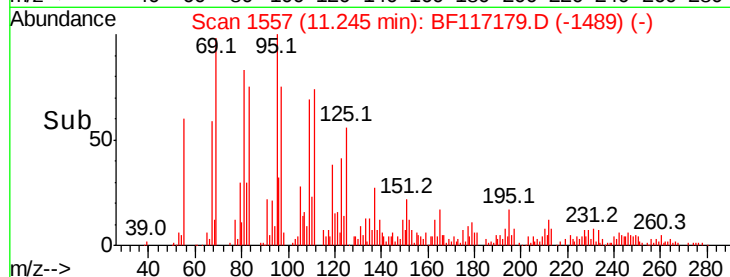
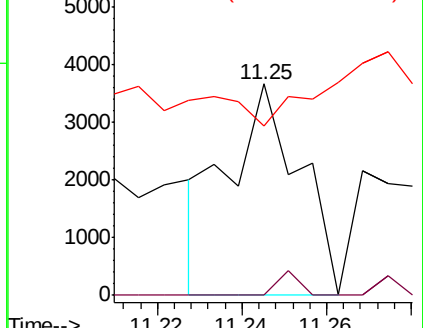
264 80.4 48.8 73.2#



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#71

Phenanthrene

Concen: 19.166 ng

RT: 11.45 min Scan# 1591

Delta R.T. 0.08 min

Lab File: BF117179.D

Acq: 19 Sep 2019 17:22

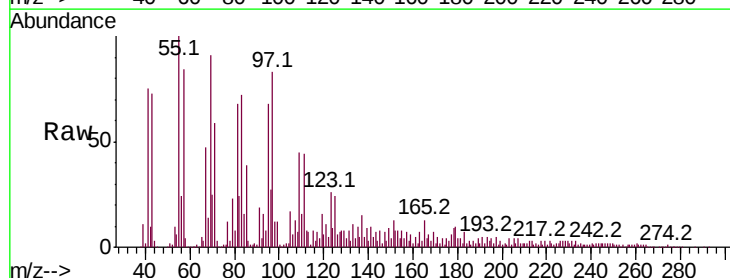
Tgt Ion:178 Resp: 78712

Ion Ratio Lower Upper

178 100

176 31.6 15.4 23.2#

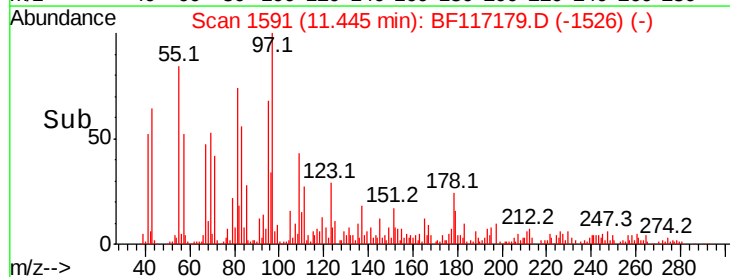
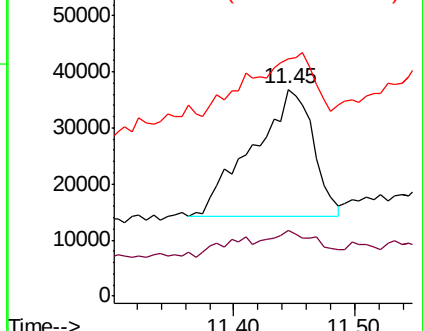
179 114.6 12.4 18.6#

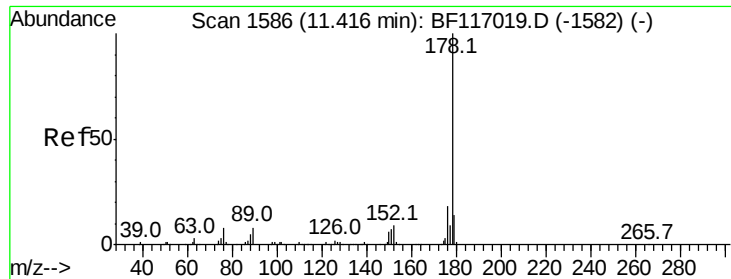


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 18.971 ng

RT: 11.45 min Scan# 1591

Delta R.T. 0.03 min

Lab File: BF117179.D

Acq: 19 Sep 2019 17:22

Instrument :

BNA_F

ClientSampled :

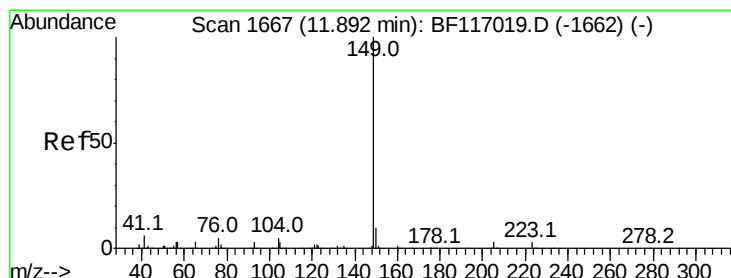
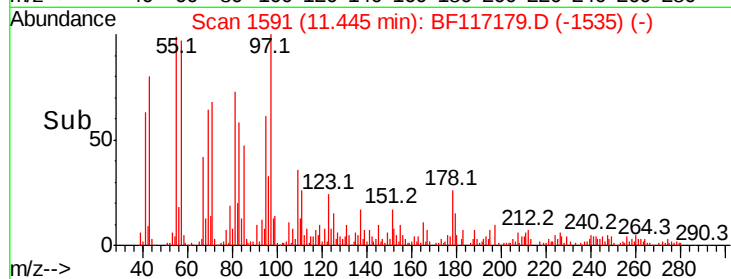
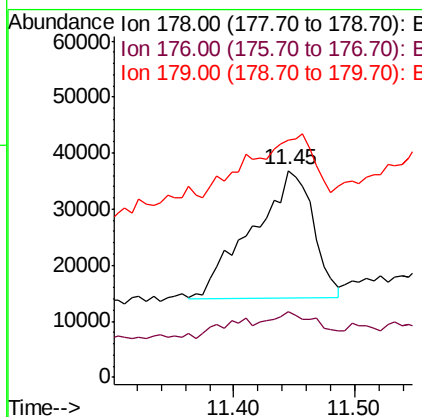
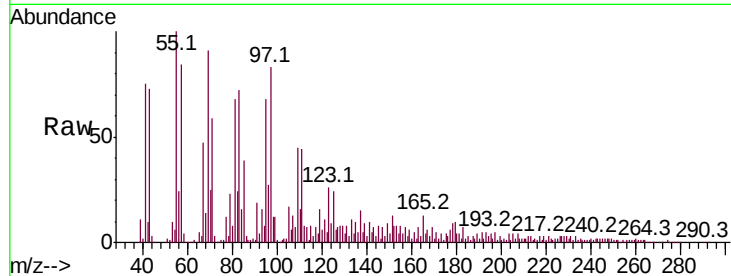
Tot Ion:178 Resp: 79542

Ion Ratio Lower Upper

178 100

176 31.6 14.6 21.8#

179 114.6 11.6 17.4#



#74

Di-n-butylphthalate

Concen: 2.873 ng

RT: 11.95 min Scan# 1676

Delta R.T. 0.05 min

Lab File: BF117179.D

Acq: 19 Sep 2019 17:22

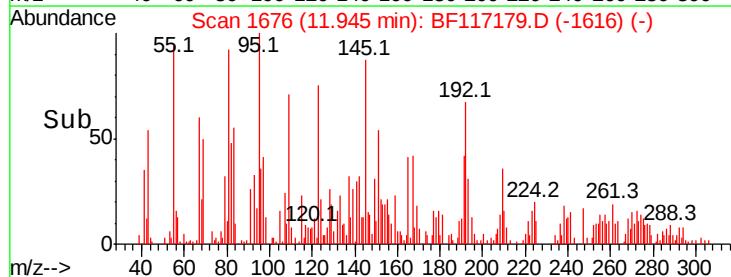
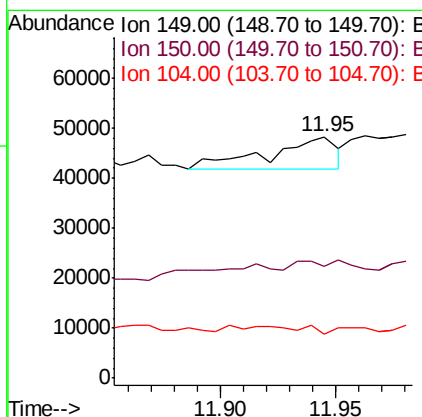
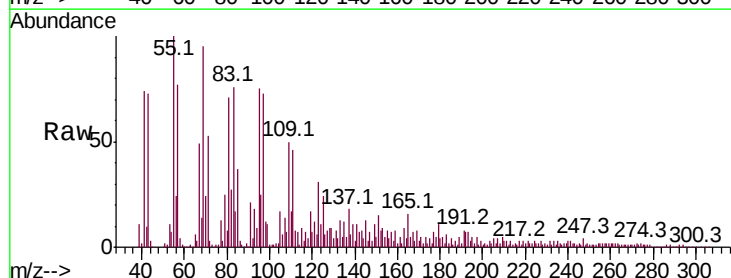
Tgt Ion:149 Resp: 13605

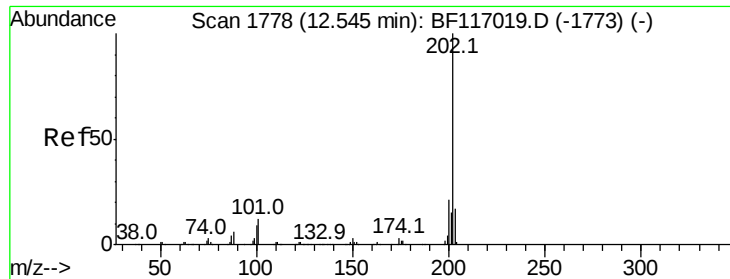
Ion Ratio Lower Upper

149 100

150 46.3 7.7 11.5#

104 18.3 4.2 6.4#





#75

Fluoranthene

Concen: 2.973 ng

RT: 12.67 min Scan# 1800

Delta R.T. 0.13 min

Lab File: BF117179.D

Acq: 19 Sep 2019 17:22

Instrument :

BNA_F

ClientSampleId :

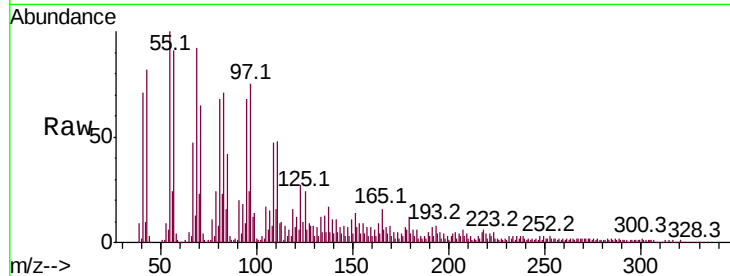
Tot Ion:202 Resp: 12547

Ion Ratio Lower Upper

202 100

101 31.9 0.0 32.3

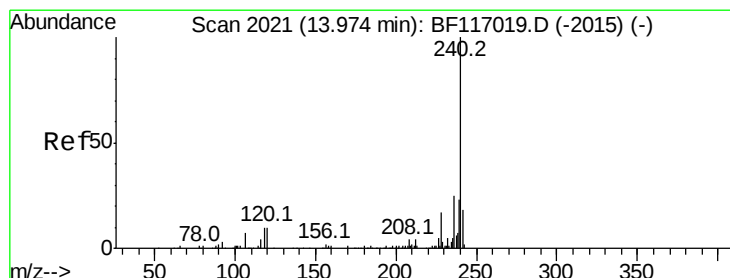
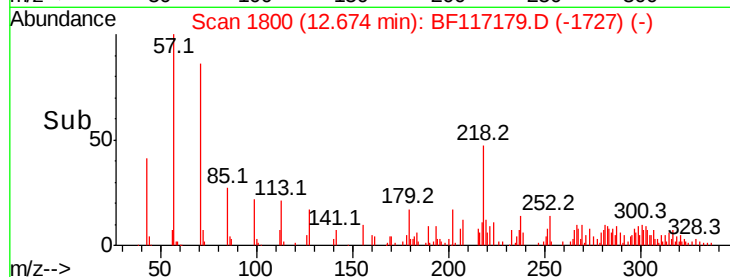
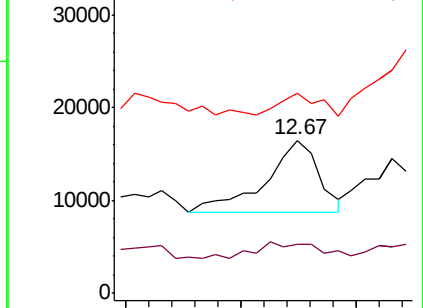
203 131.0 0.0 37.1#



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: 14.06 min Scan# 2036

Delta R.T. 0.09 min

Lab File: BF117179.D

Acq: 19 Sep 2019 17:22

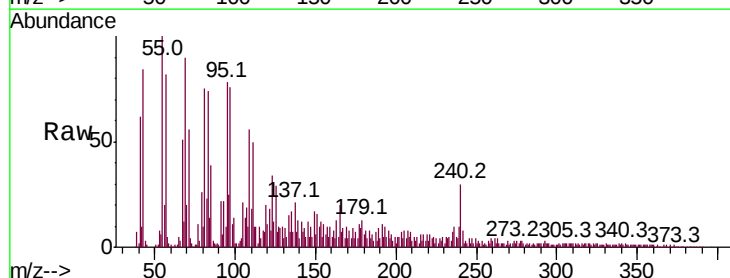
Tgt Ion:240 Resp: 59682

Ion Ratio Lower Upper

240 100

120 38.4 8.3 12.5#

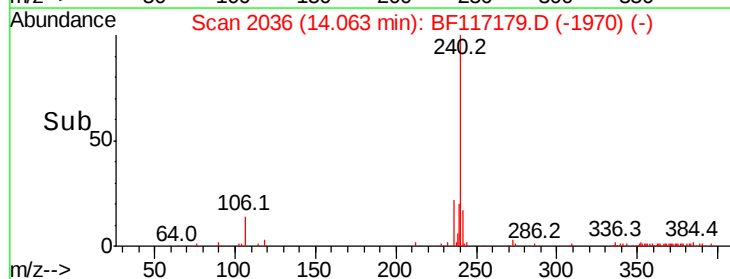
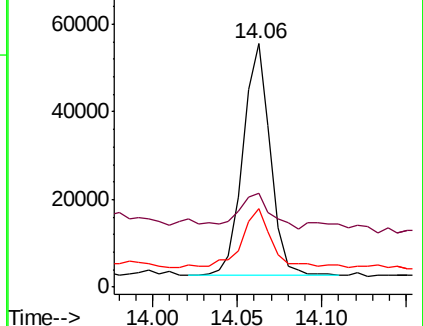
236 32.1 20.3 30.5#

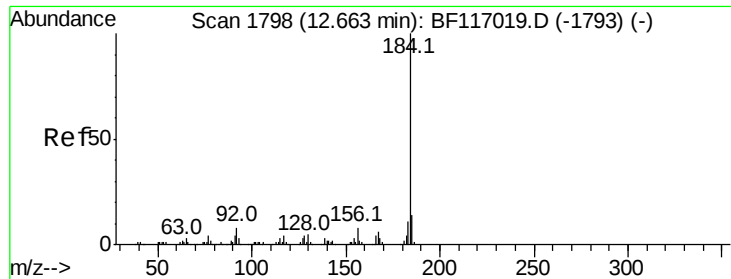


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.247 ng

RT: 12.74 min Scan# 1812

Delta R.T. 0.08 min

Lab File: BF117179.D

Acq: 19 Sep 2019 17:22

Instrument :

BNA_F

ClientSampleId :

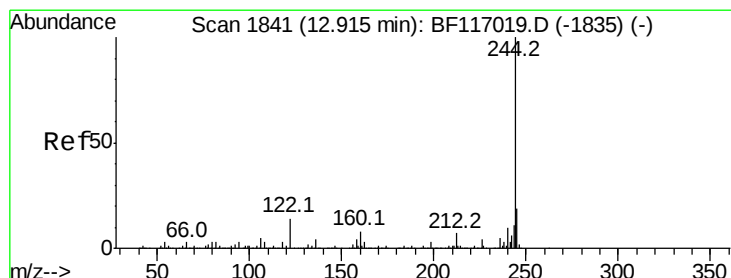
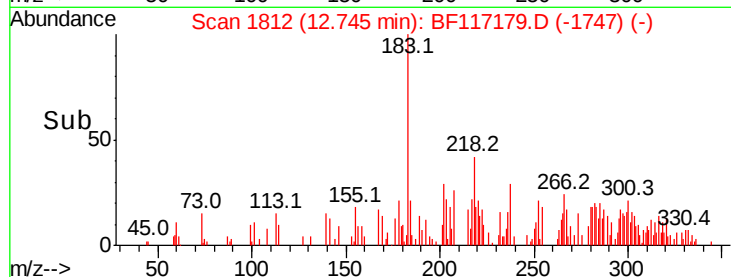
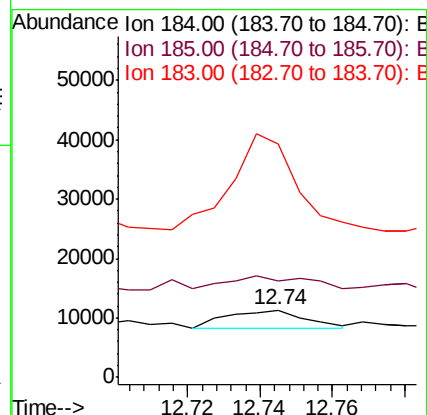
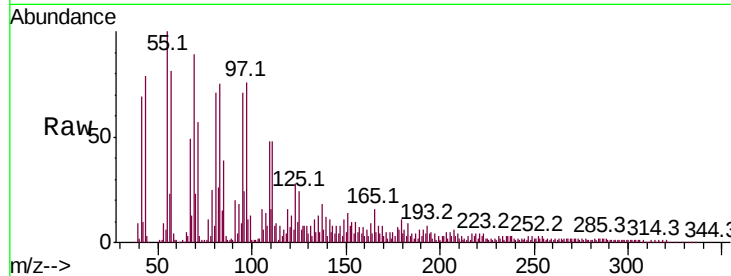
Tot Ion:184 Resp: 4319

Ion Ratio Lower Upper

184 100

185 143.8 11.6 17.4#

183 345.8 9.0 13.4#



#79

Terphenyl-d14

Concen: 49.808 ng

RT: 13.03 min Scan# 1861

Delta R.T. 0.12 min

Lab File: BF117179.D

Acq: 19 Sep 2019 17:22

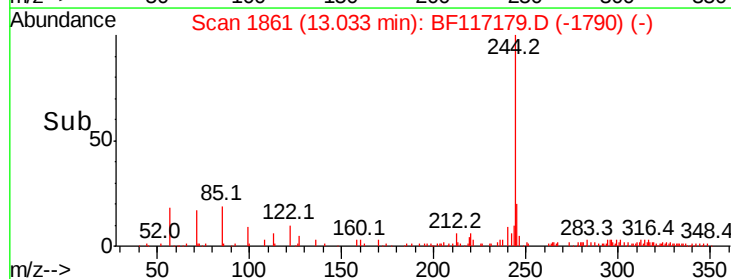
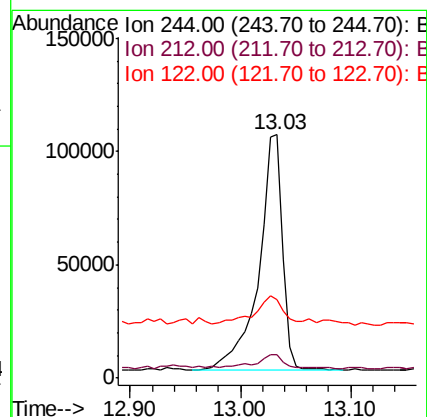
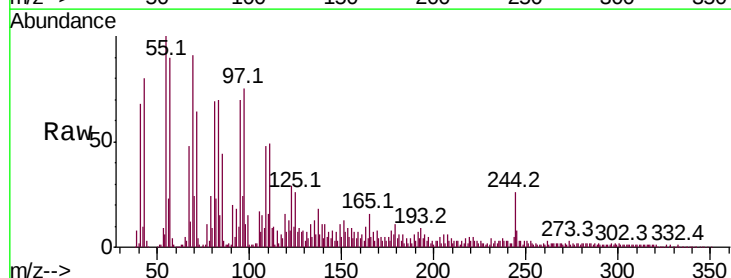
Tgt Ion:244 Resp: 159030

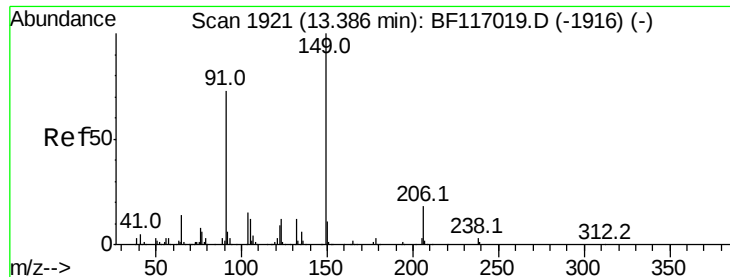
Ion Ratio Lower Upper

244 100

212 9.5 5.8 8.8#

122 32.1 11.3 16.9#

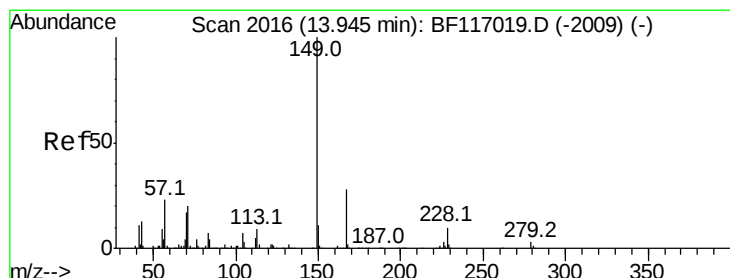
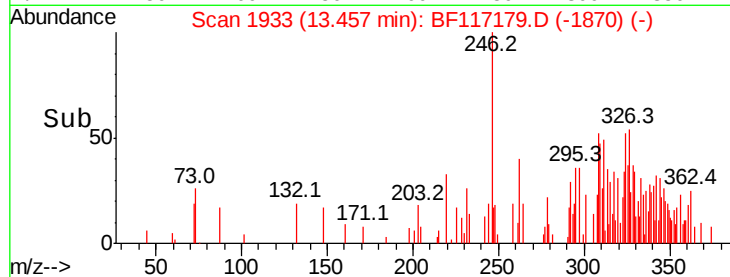
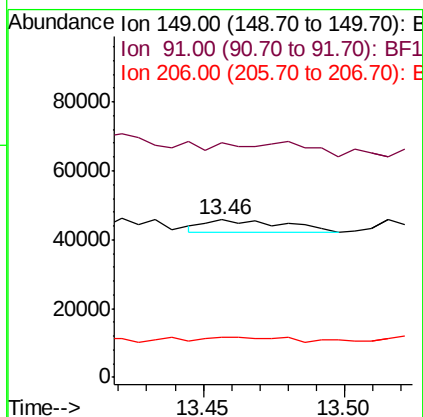
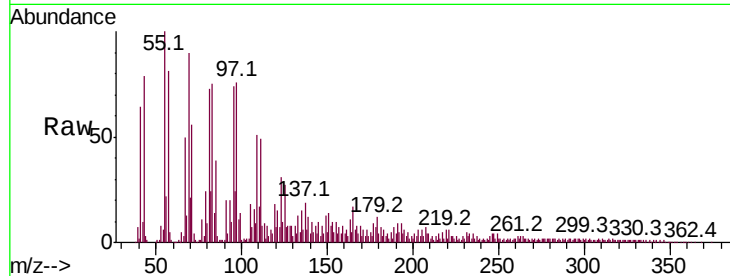




#80
 Butylbenzylphthalate
 Concen: 3.099 ng
 RT: 13.46 min Scan# 1933
 Delta R.T. 0.07 min
 Lab File: BF117179.D
 Acq: 19 Sep 2019 17:22

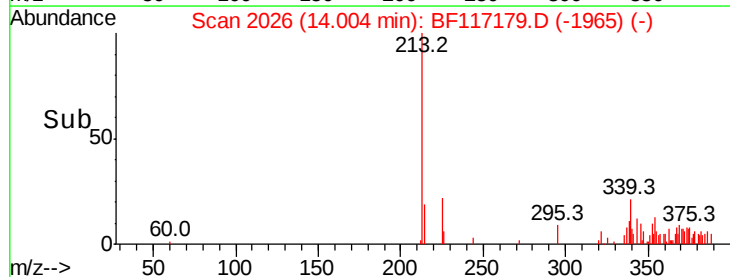
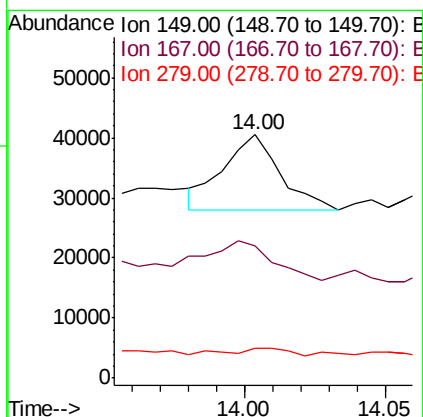
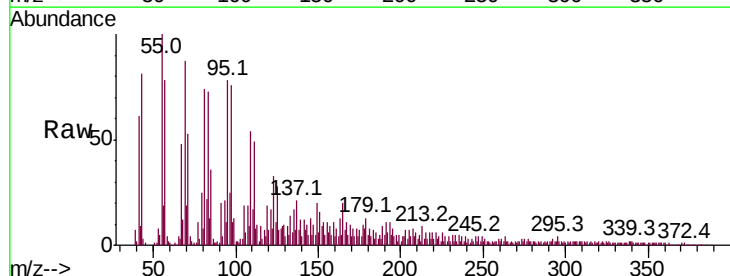
Instrument :
 BNA_F
 ClientSampled :

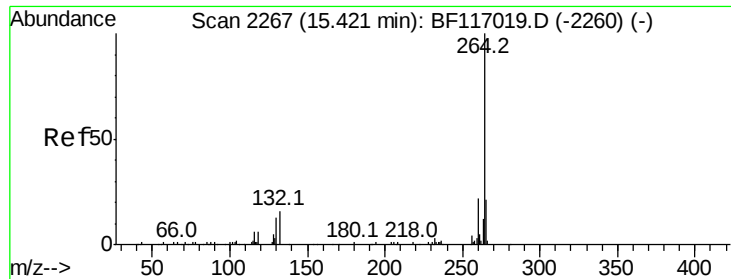
Tot Ion:149 Resp: 7334
 Ion Ratio Lower Upper
 149 100
 91 149.2 58.8 88.2#
 206 25.2 14.1 21.1#



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 5.842 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. 0.06 min
 Lab File: BF117179.D
 Acq: 19 Sep 2019 17:22

Tgt Ion:149 Resp: 17825
 Ion Ratio Lower Upper
 149 100
 167 54.4 22.2 33.2#
 279 12.1 2.8 4.2#

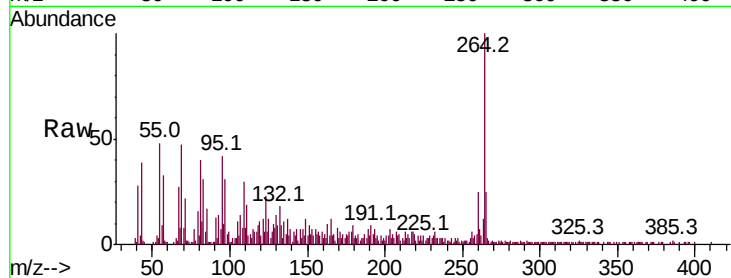




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. 0.05 min
Lab File: BF117179.D
Acq: 19 Sep 2019 17:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.2	17.6	26.4
265	25.2	16.6	24.8



Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

