

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031120\
 Data File : BF119369.D
 Acq On : 12 Mar 2020 2:36
 Operator : CG/JU
 Sample : L1874-13
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 12 05:13:11 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 06 23:38:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	93154	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	347729	20.00	ng	-0.01
39) Acenaphthene-d10	9.77	164	158829	20.00	ng	0.01
64) Phenanthrene-d10	11.29	188	168930	20.00	ng	0.04
76) Chrysene-d12	13.94	240	174790	20.00	ng	0.06
87) Perylene-d12	15.34	264	226809	20.00	ng	0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.37	112	89814	16.11	ng	0.02
7) Phenol-d6	6.38	99	359988	53.10	ng	0.00
23) Nitrobenzene-d5	7.29	82	299606	45.49	ng	0.00
42) 2,4,6-Tribromophenol	10.60	330	7702	3.71	ng	0.04
45) 2-Fluorobiphenyl	9.09	172	633311	58.74	ng	0.00
79) Terphenyl-d14	12.92	244	389167	38.33	ng	0.09

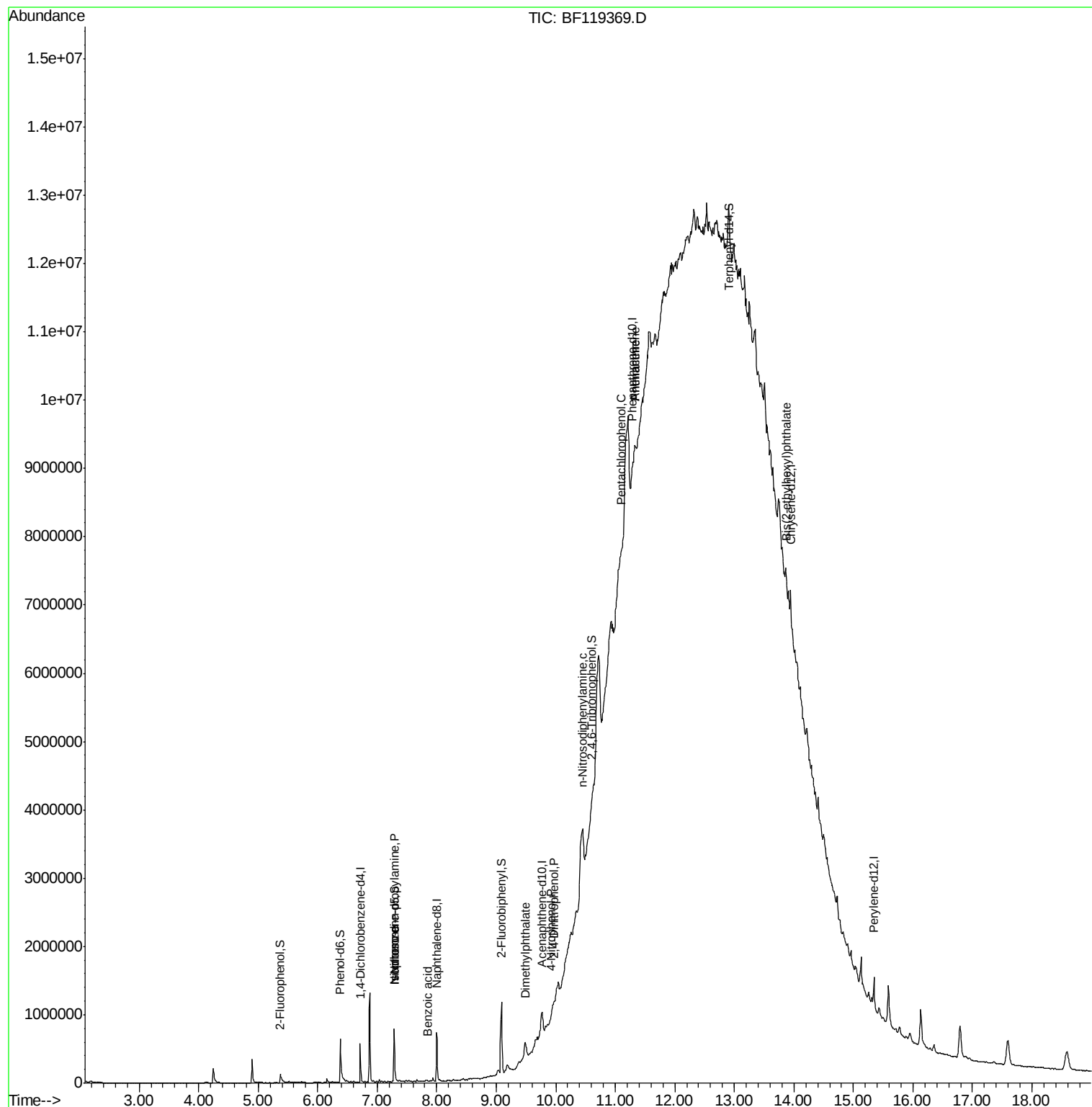
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.29	70	39299	9.949	ng	# 76
25) Isophorone	7.29	82	299606	26.195	ng	# 63
32) Benzoic acid	7.85	122	983	6.928	ng	# 72
50) Dimethylphthalate	9.49	163	44253	3.644	ng	# 96
54) 2,4-Dinitrophenol	9.96	184	542	7.850	ng	# 1
56) 4-Nitrophenol	9.92	139	3716	2.068	ng	# 1
66) n-Nitrosodiphenylamine	10.44	169	65676	11.873	ng	# 75
70) Pentachlorophenol	11.10	266	4102	4.000	ng	# 20
71) Phenanthrene	11.33	178	44248	4.803	ng	# 1
72) Anthracene	11.33	178	44248	4.807	ng	# 1
84) Bis(2-ethylhexyl)phthalate	13.89	149	26732	3.582	ng	# 56

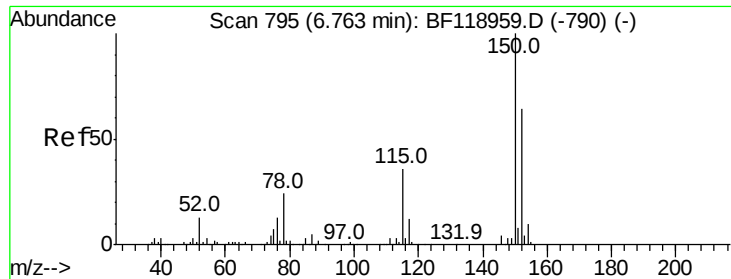
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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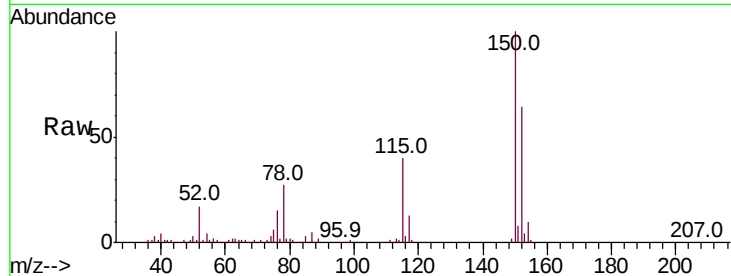


#1

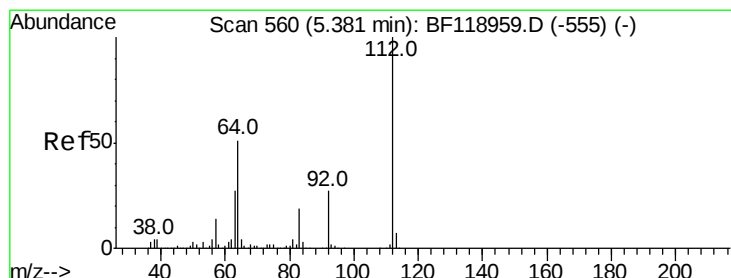
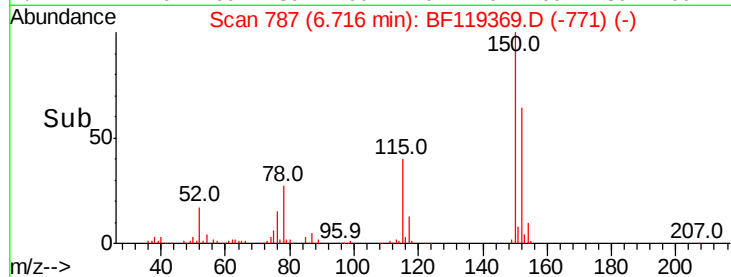
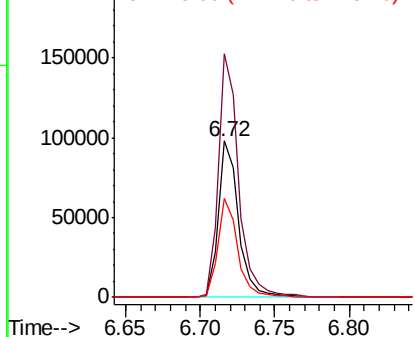
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF119369.D
Acq: 12 Mar 2020 2:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 93154
Ion Ratio Lower Upper
152 100
150 156.1 123.0 184.6
115 63.1 49.5 74.3



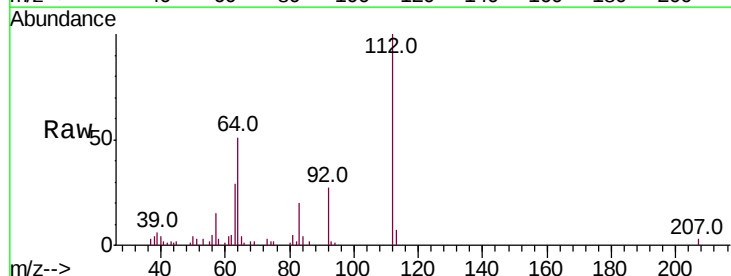
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



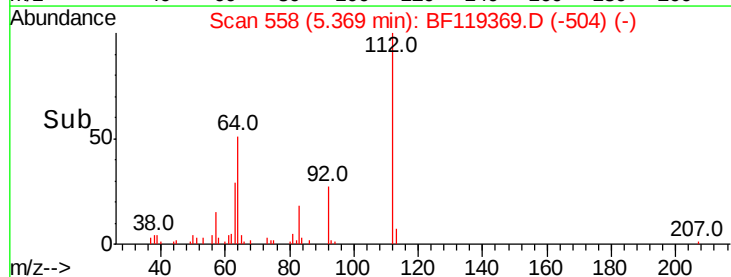
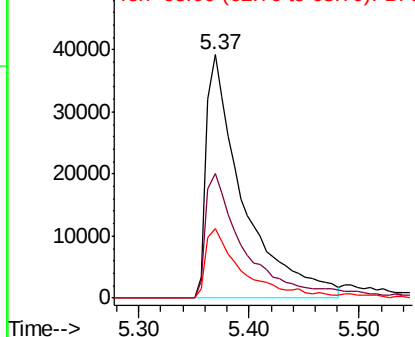
#5

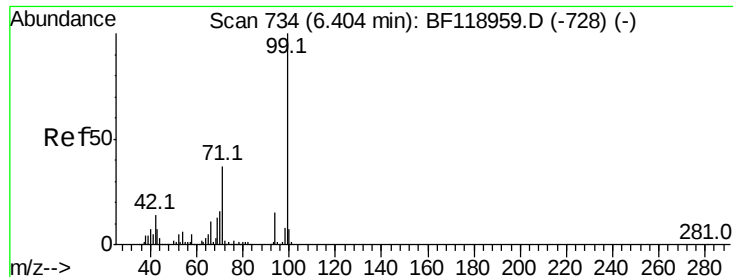
2-Fluorophenol
Concen: 16.113 ng
RT: 5.37 min Scan# 558
Delta R.T. 0.02 min
Lab File: BF119369.D
Acq: 12 Mar 2020 2:36

Tgt Ion:112 Resp: 89814
Ion Ratio Lower Upper
112 100
64 51.1 45.0 67.4
63 28.6 24.2 36.4



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: 53.102 ng

RT: 6.38 min Scan# 730

Delta R.T. 0.00 min

Lab File: BF119369.D

Acq: 12 Mar 2020 2:36

Instrument :

BNA_F

ClientSampleId :

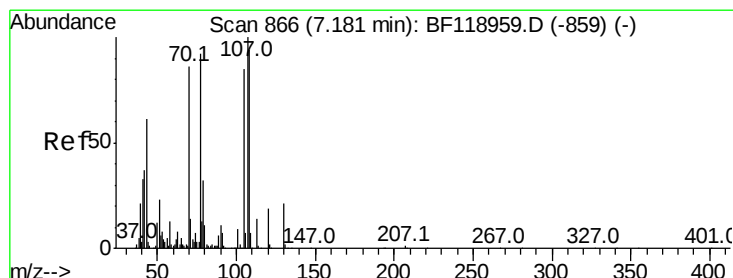
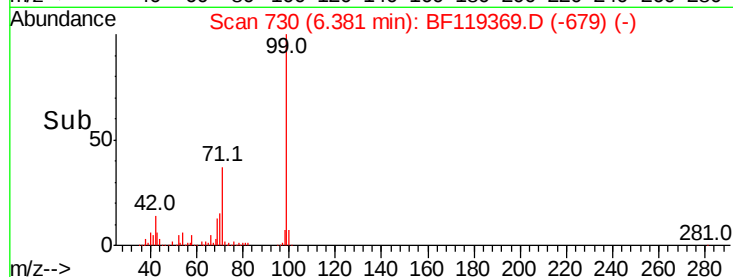
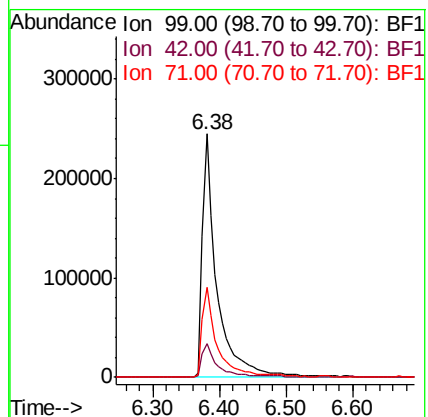
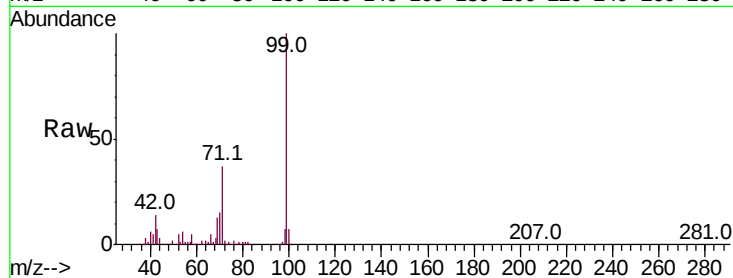
Tot Ion: 99 Resp: 359988

Ion Ratio Lower Upper

99 100

42 14.0 12.6 18.8

71 37.2 31.0 46.4



#19

n-Nitroso-di-n-propylamine

Concen: 9.949 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.14 min

Lab File: BF119369.D

Acq: 12 Mar 2020 2:36

Tgt Ion: 70 Resp: 39299

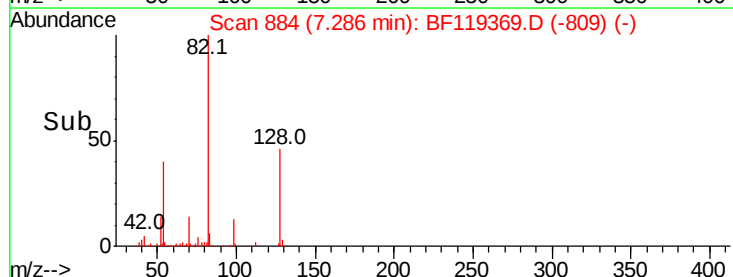
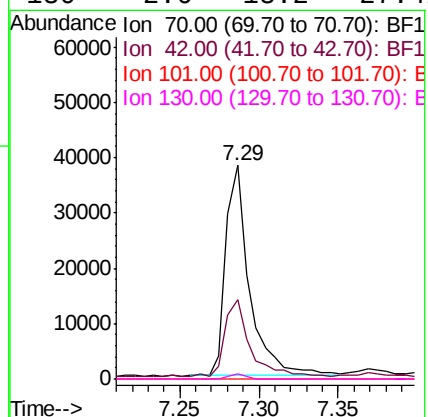
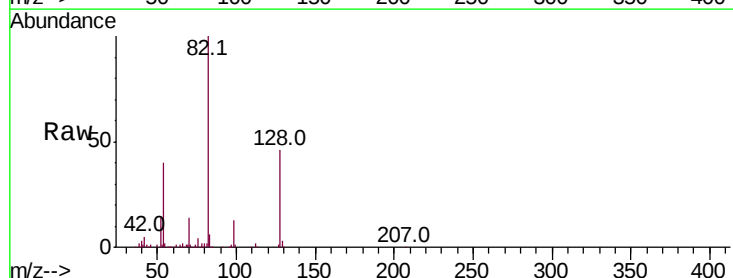
Ion Ratio Lower Upper

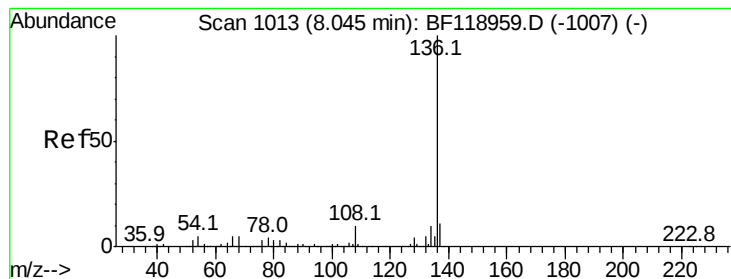
70 100

42 37.1 38.0 57.0#

101 0.0 8.2 12.4#

130 2.6 18.2 27.4#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1005

Delta R.T. -0.01 min

Lab File: BF119369.D

Acq: 12 Mar 2020 2:36

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 347729

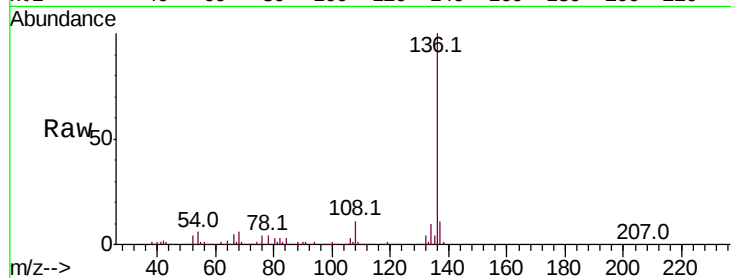
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 5.6 3.8 5.6

68 5.6 3.9 5.9

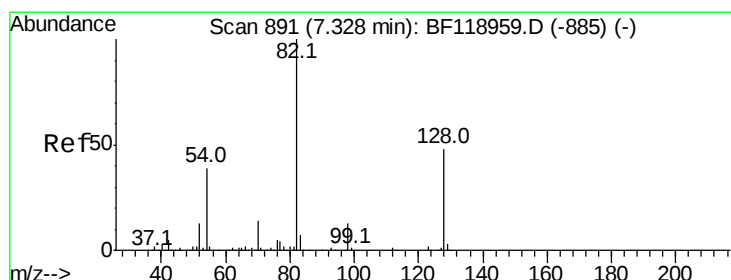
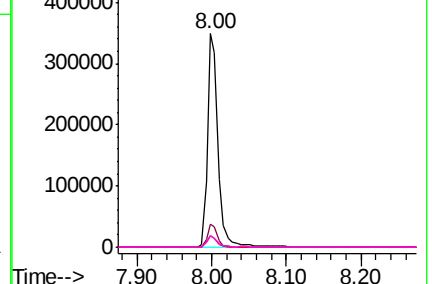
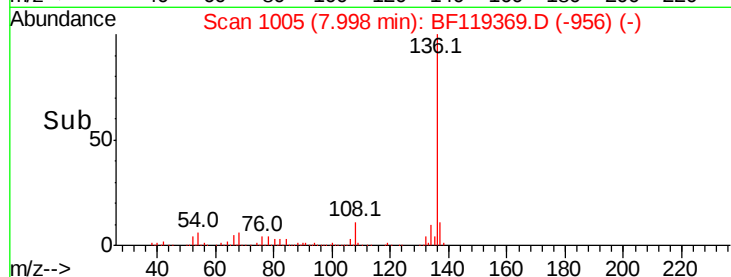


Abundance Ion 136.00 (135.70 to 136.70): E

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: 45.493 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.01 min

Lab File: BF119369.D

Acq: 12 Mar 2020 2:36

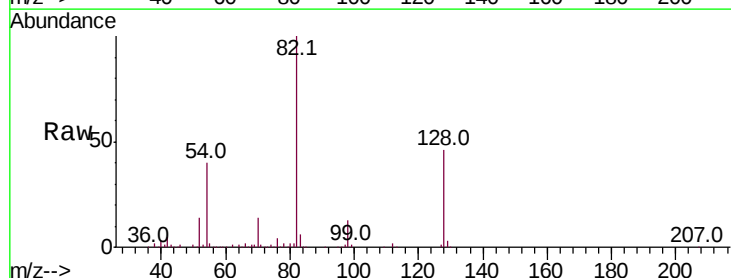
Tgt Ion: 82 Resp: 299606

Ion Ratio Lower Upper

82 100

128 46.1 37.9 56.9

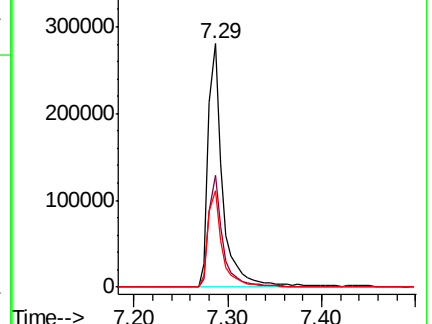
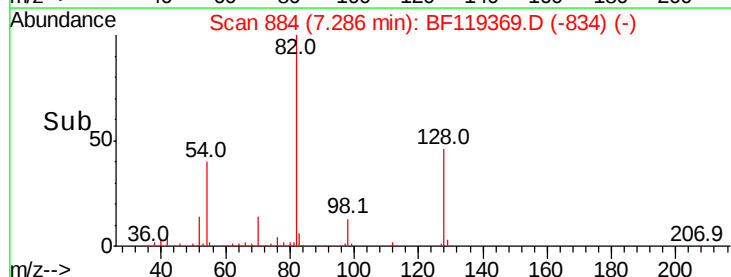
54 39.5 33.4 50.2

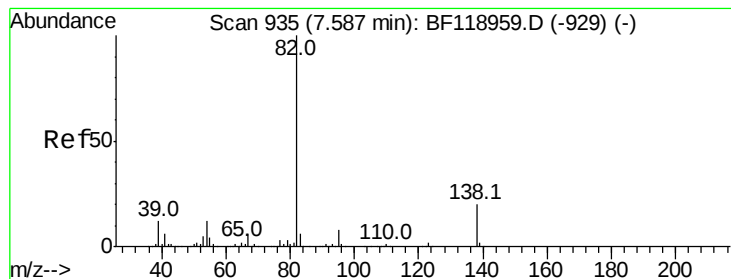


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 26.195 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.26 min

Lab File: BF119369.D

Acq: 12 Mar 2020 2:36

Instrument :

BNA_F

ClientSampleId :

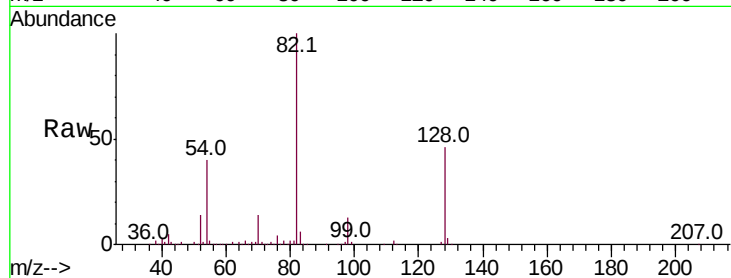
Tot Ion: 82 Resp: 299606

Ion Ratio Lower Upper

82 100

95 0.2 6.4 9.6#

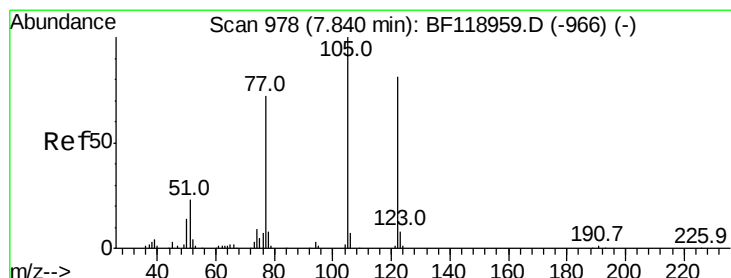
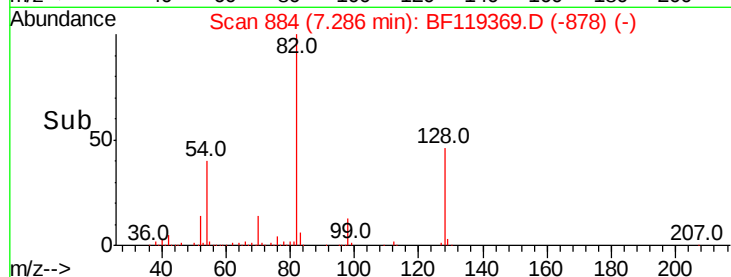
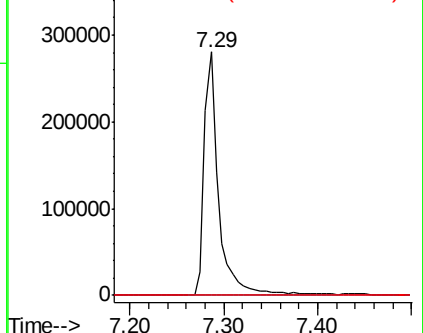
138 0.0 15.7 23.5#



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: 6.928 ng

RT: 7.85 min Scan# 980

Delta R.T. 0.01 min

Lab File: BF119369.D

Acq: 12 Mar 2020 2:36

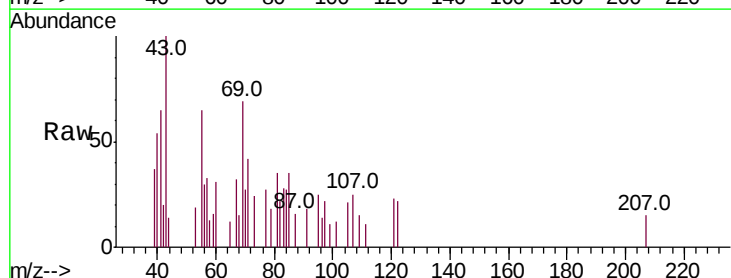
Tgt Ion: 122 Resp: 983

Ion Ratio Lower Upper

122 100

105 98.3 106.3 146.3#

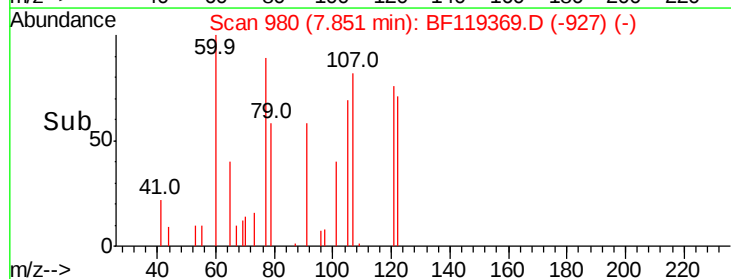
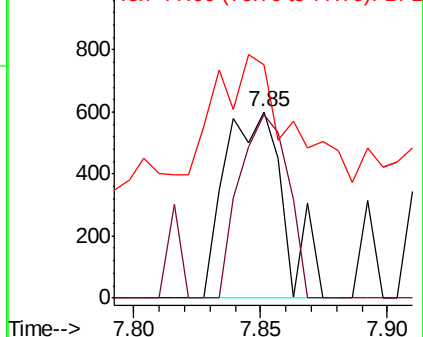
77 125.7 73.1 113.1#

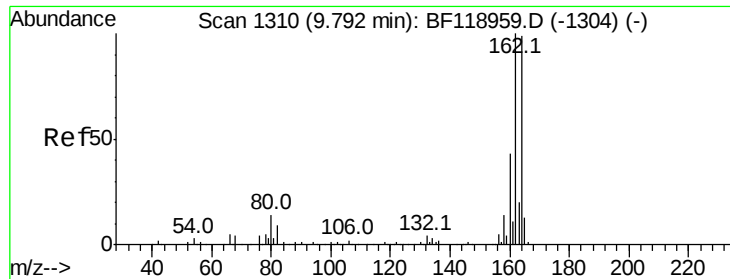


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.77 min Scan# 1307

Delta R.T. 0.01 min

Lab File: BF119369.D

Acq: 12 Mar 2020 2:36

Instrument :

BNA_F

ClientSampleId :

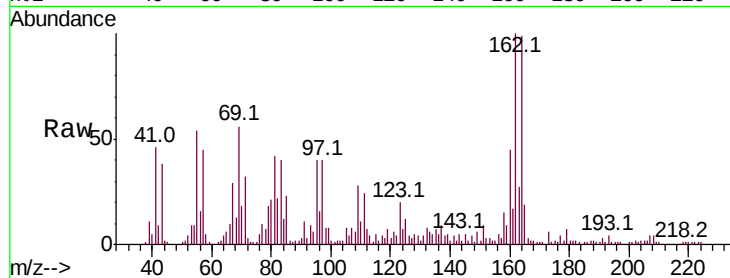
Tot Ion:164 Resp: 158829

Ion Ratio Lower Upper

164 100

162 100.9 81.8 122.8

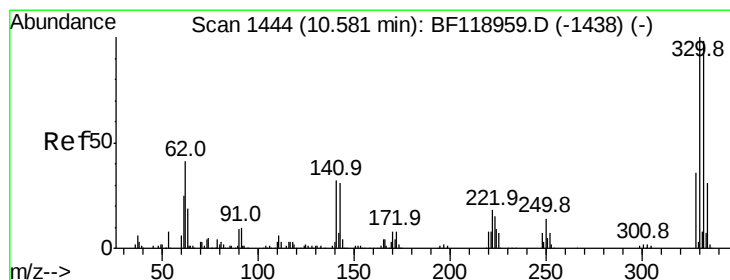
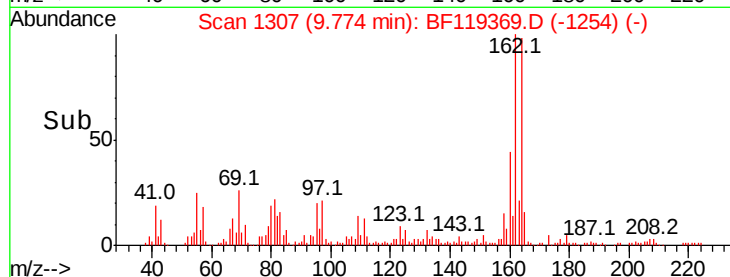
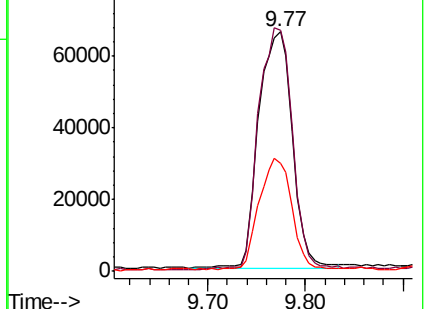
160 45.1 36.0 54.0



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: 3.707 ng

RT: 10.60 min Scan# 1447

Delta R.T. 0.04 min

Lab File: BF119369.D

Acq: 12 Mar 2020 2:36

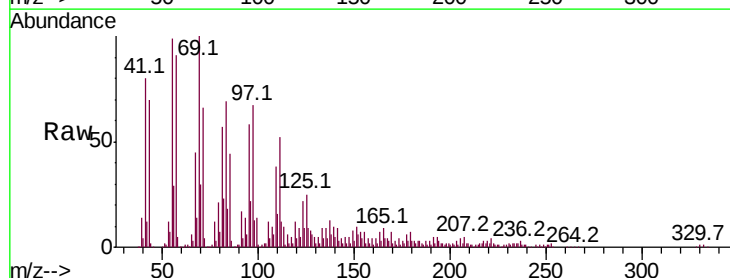
Tgt Ion:330 Resp: 7702

Ion Ratio Lower Upper

330 100

332 101.4 76.0 114.0

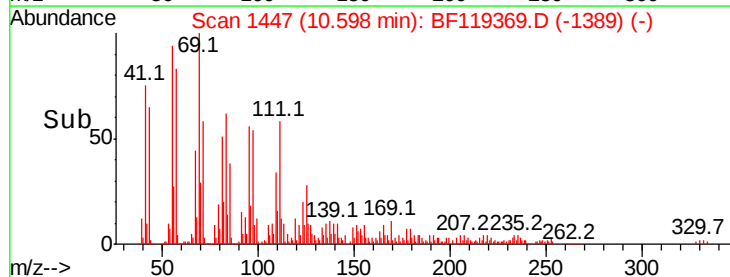
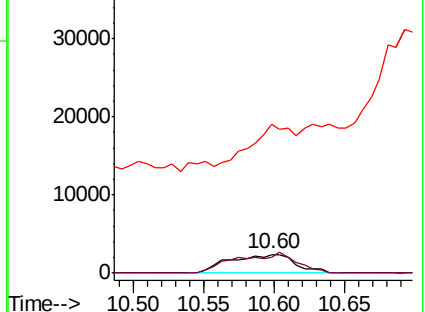
141 118.9 22.9 34.3#

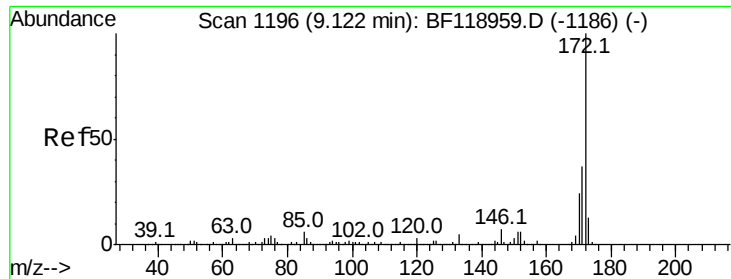


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

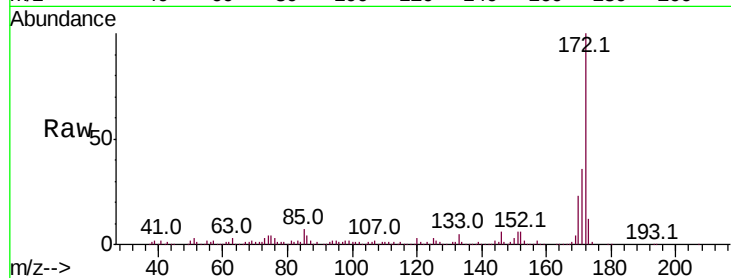




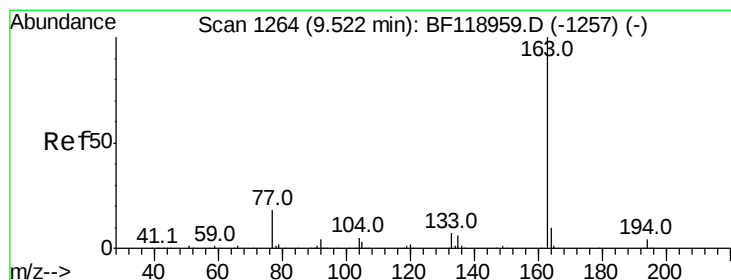
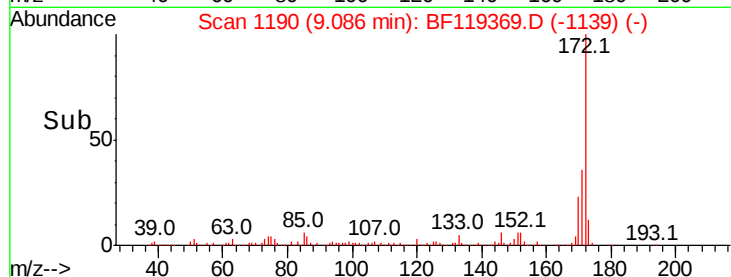
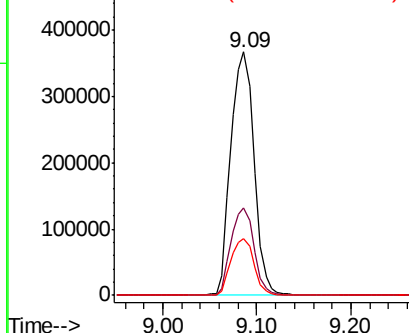
#45
 2-Fluorobiphenyl
 Concen: 58.741 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. 0.00 min
 Lab File: BF119369.D
 Acq: 12 Mar 2020 2:36

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.8	30.6	45.8
170	23.2	20.2	30.2

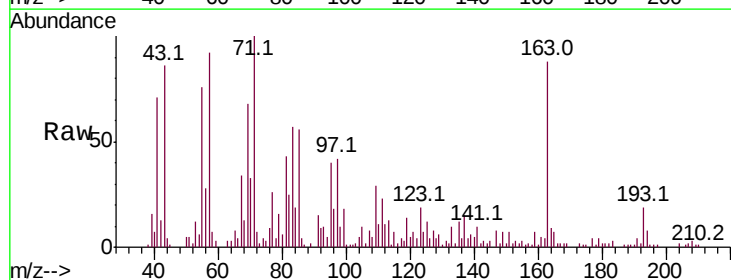


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

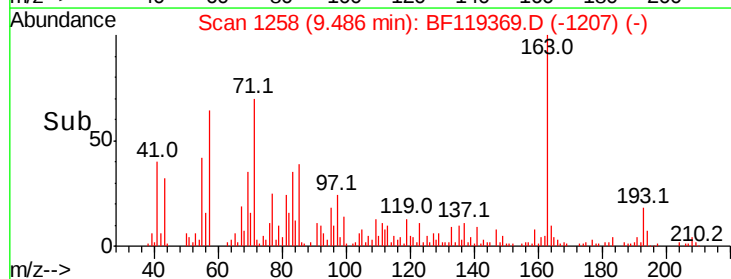
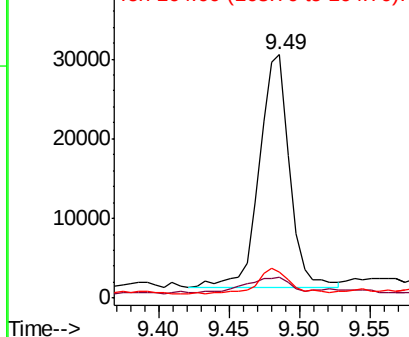


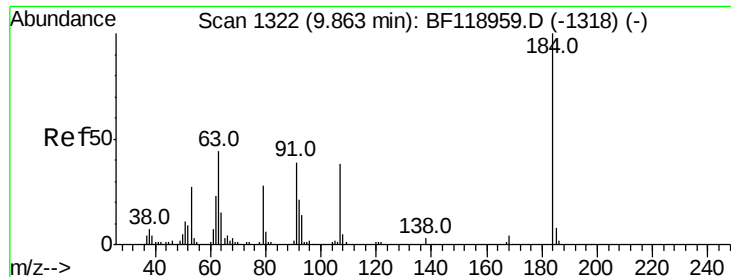
#50
 Dimethylphthalate
 Concen: 3.644 ng
 RT: 9.49 min Scan# 1258
 Delta R.T. 0.00 min
 Lab File: BF119369.D
 Acq: 12 Mar 2020 2:36

Tgt Ion	Ratio	Lower	Upper
163	100		
194	8.8	3.5	5.3#
164	10.4	8.4	12.6



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

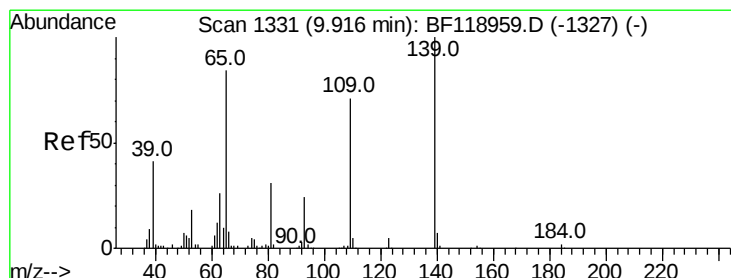
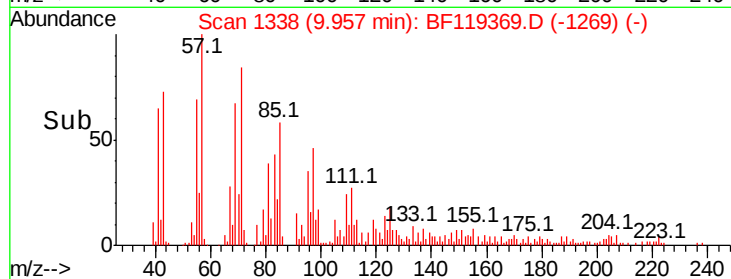
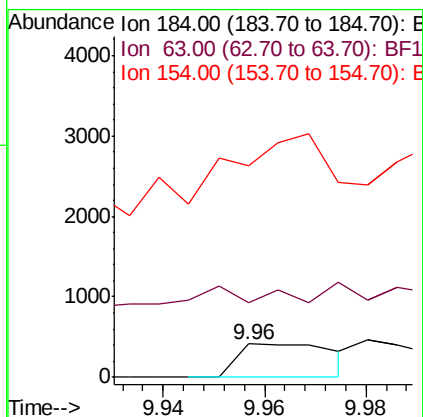
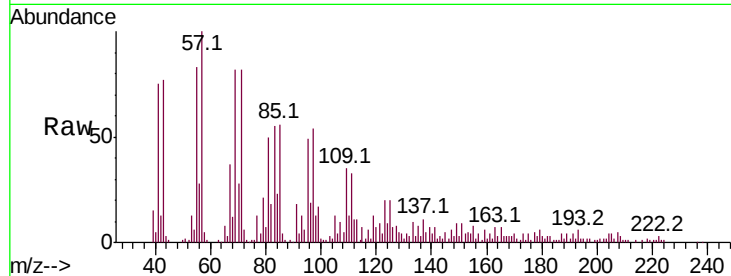




#54
 2,4-Dinitrophenol
 Concen: 7.850 ng
 RT: 9.96 min Scan# 1338
 Delta R.T. 0.11 min
 Lab File: BF119369.D
 Acq: 12 Mar 2020 2:36

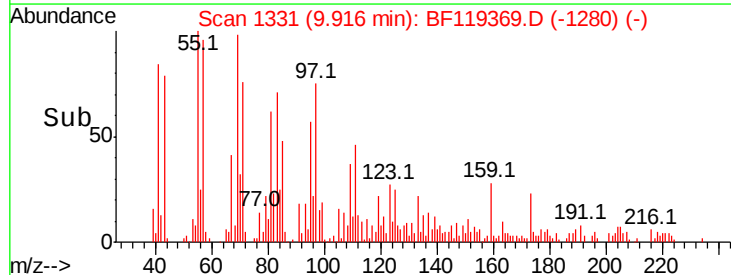
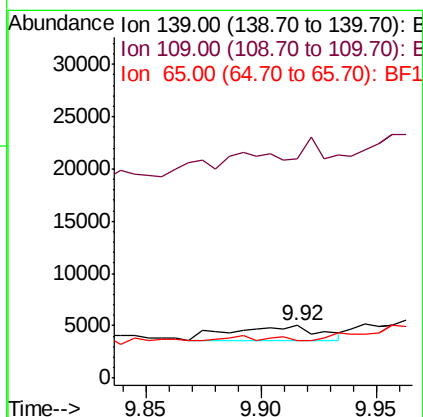
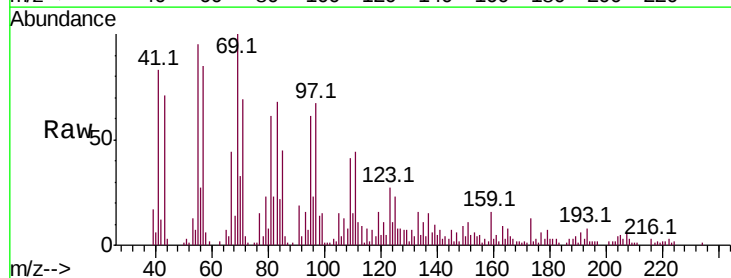
Instrument :
 BNA_F
 ClientSampleId :

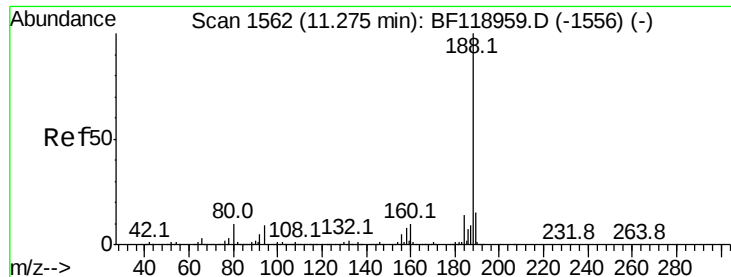
Tot Ion:184 Resp: 542
 Ion Ratio Lower Upper
 184 100
 63 224.1 38.7 58.1#
 154 640.6 49.7 74.5#



#56
 4-Nitrophenol
 Concen: 2.068 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. 0.00 min
 Lab File: BF119369.D
 Acq: 12 Mar 2020 2:36

Tgt Ion:139 Resp: 3716
 Ion Ratio Lower Upper
 139 100
 109 416.4 56.7 96.7#
 65 72.2 65.0 105.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.29 min Scan# 1564

Delta R.T. 0.04 min

Lab File: BF119369.D

Acq: 12 Mar 2020 2:36

Instrument :

BNA_F

ClientSampleId :

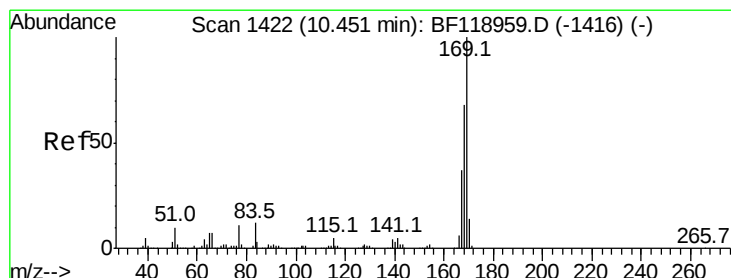
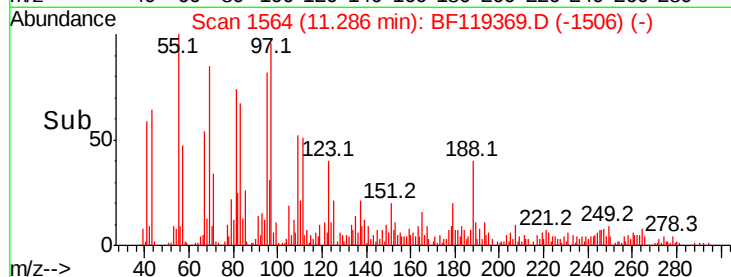
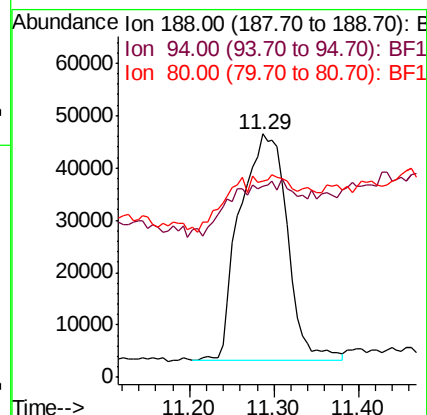
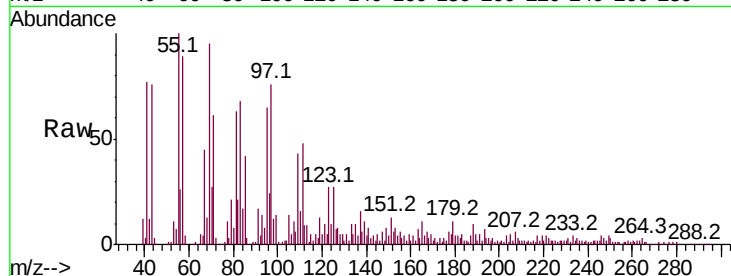
Tot Ion:188 Resp: 168930

Ion Ratio Lower Upper

188 100

94 78.8 7.1 10.7#

80 80.4 7.8 11.8#



#66

n-Nitrosodiphenylamine

Concen: 11.873 ng

RT: 10.44 min Scan# 1420

Delta R.T. 0.02 min

Lab File: BF119369.D

Acq: 12 Mar 2020 2:36

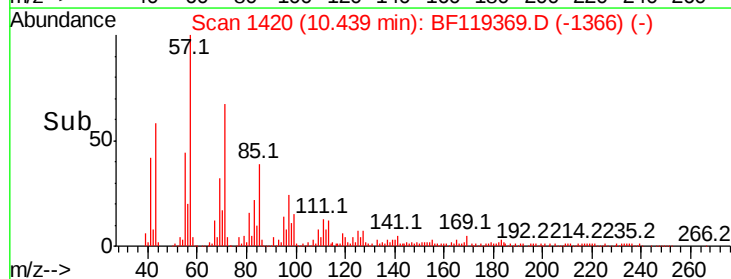
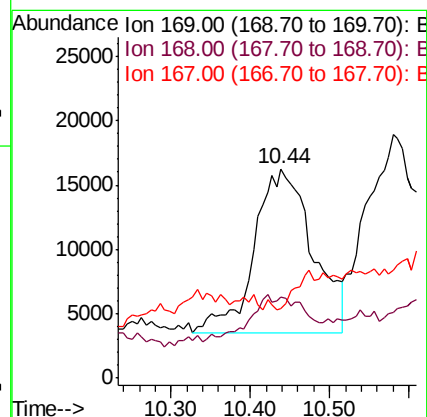
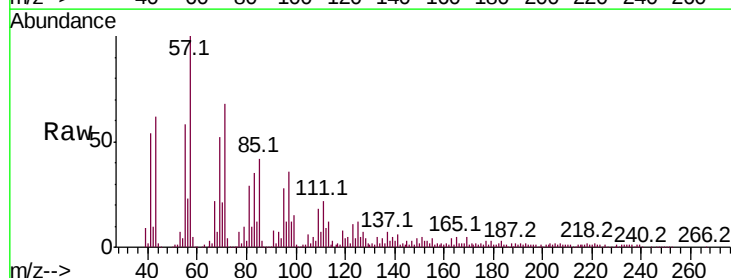
Tgt Ion:169 Resp: 65676

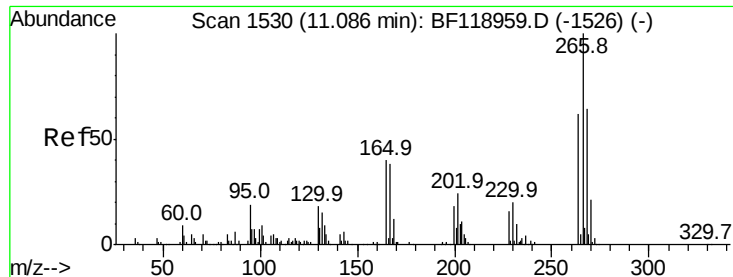
Ion Ratio Lower Upper

169 100

168 38.9 54.1 81.1#

167 33.3 29.4 44.0





#70

Pentachlorophenol

Concen: 4.000 ng

RT: 11.10 min Scan# 1532

Delta R.T. 0.03 min

Lab File: BF119369.D

Acq: 12 Mar 2020 2:36

Instrument :

BNA_F

ClientSampleId :

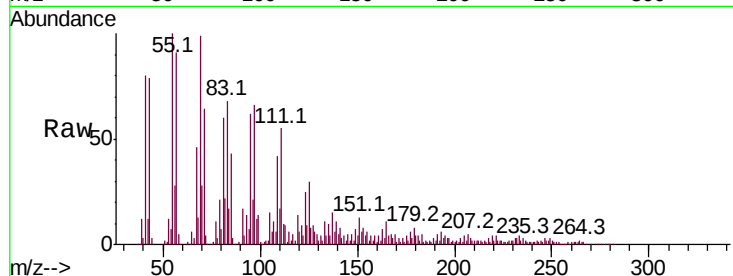
Tot Ion:266 Resp: 4102

Ion Ratio Lower Upper

266 100

268 0.0 51.9 77.9#

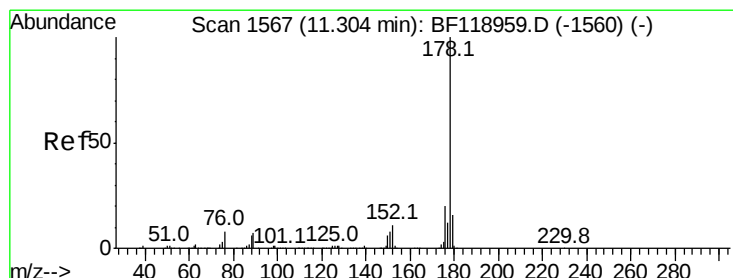
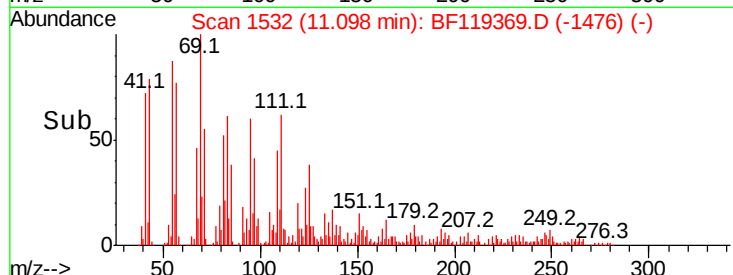
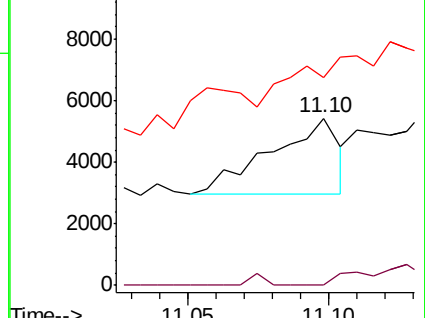
264 124.0 51.0 76.4#



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: 4.803 ng

RT: 11.33 min Scan# 1571

Delta R.T. 0.06 min

Lab File: BF119369.D

Acq: 12 Mar 2020 2:36

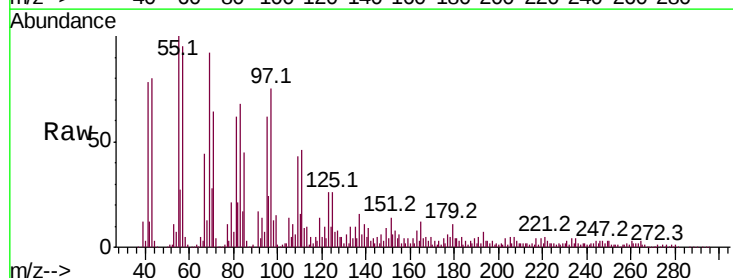
Tgt Ion:178 Resp: 44248

Ion Ratio Lower Upper

178 100

176 39.6 16.5 24.7#

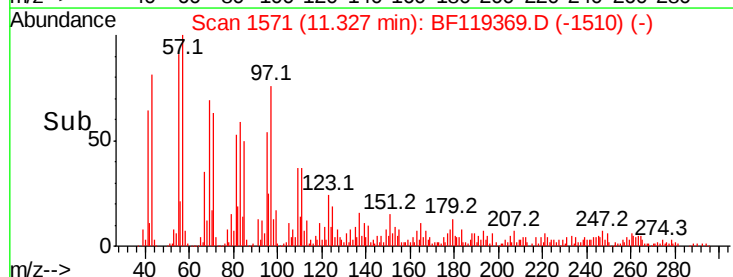
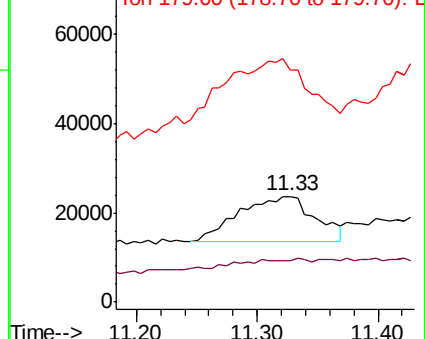
179 219.5 13.0 19.6#

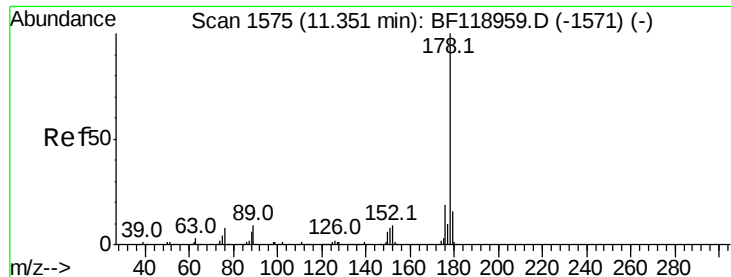


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

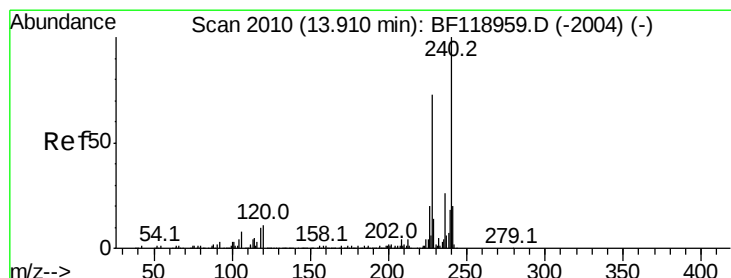
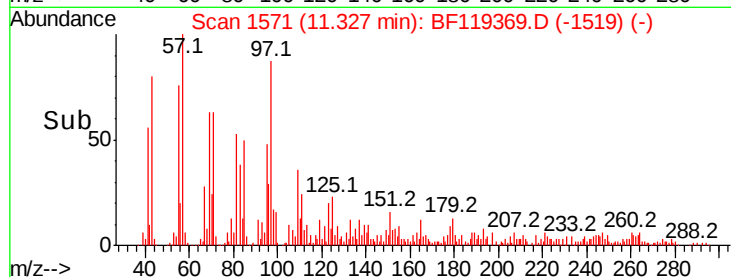
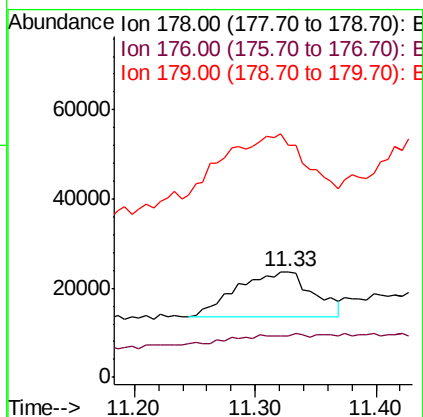
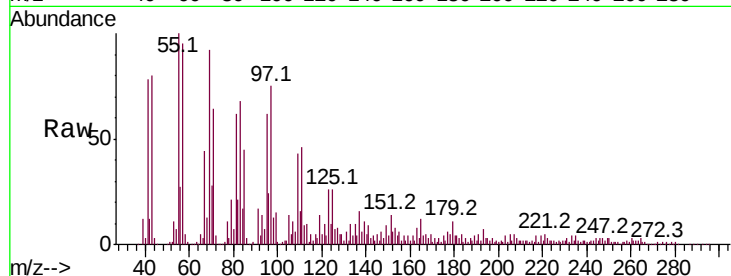




#72
 Anthracene
 Concen: 4.807 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. 0.01 min
 Lab File: BF119369.D
 Acq: 12 Mar 2020 2:36

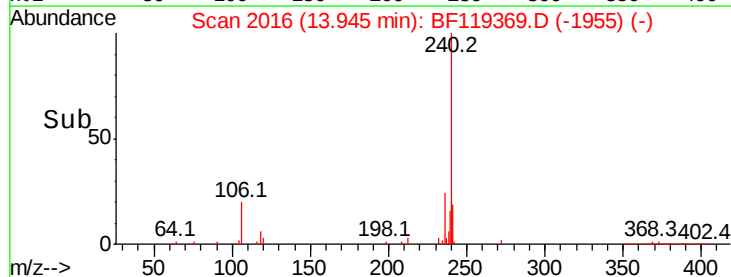
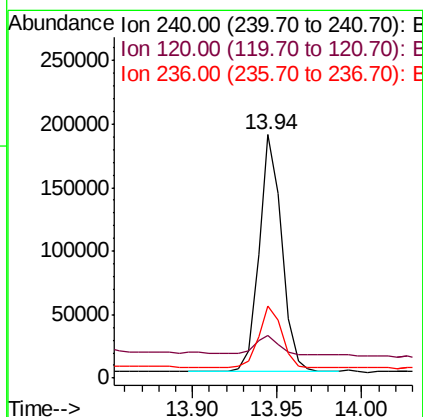
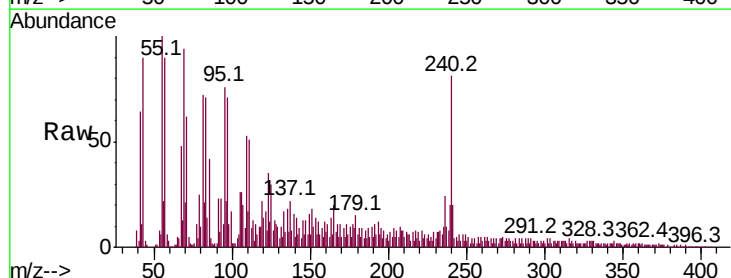
Instrument :
 BNA_F
 ClientSampleId :

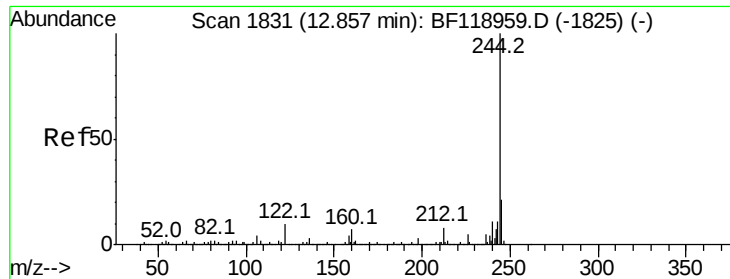
Tot Ion:178 Resp: 44248
 Ion Ratio Lower Upper
 178 100
 176 39.6 16.0 24.0#
 179 219.5 13.1 19.7#



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.94 min Scan# 2016
 Delta R.T. 0.06 min
 Lab File: BF119369.D
 Acq: 12 Mar 2020 2:36

Tgt Ion:240 Resp: 174790
 Ion Ratio Lower Upper
 240 100
 120 17.4 8.4 12.6#
 236 29.4 21.0 31.4

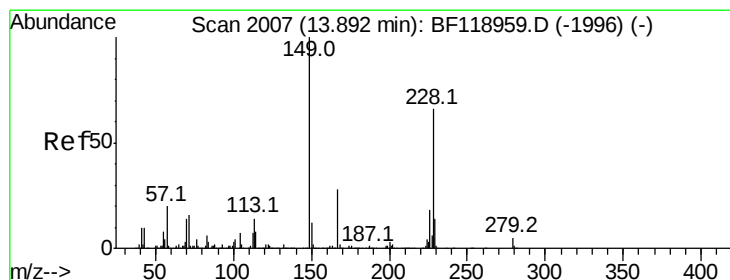
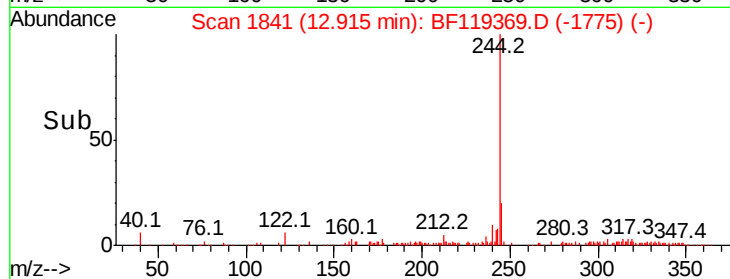
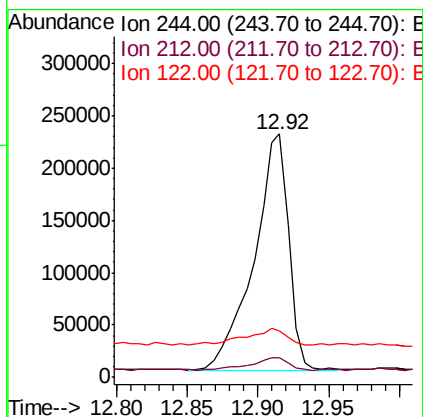
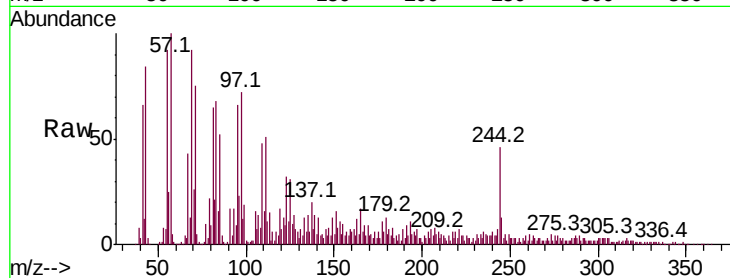




#79
 Terphenyl-d14
 Concen: 38.333 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. 0.09 min
 Lab File: BF119369.D
 Acq: 12 Mar 2020 2:36

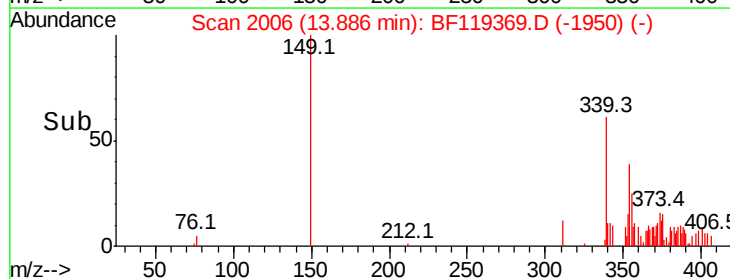
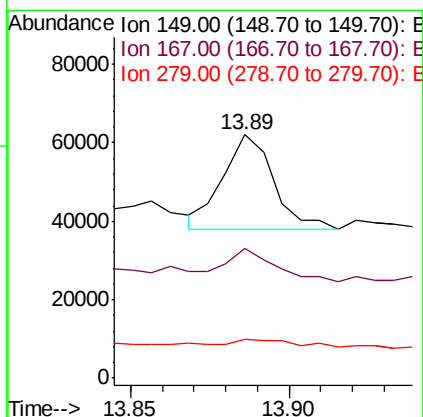
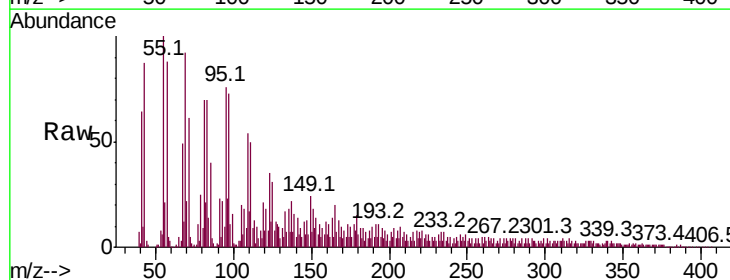
Instrument :
 BNA_F
 ClientSampleId :

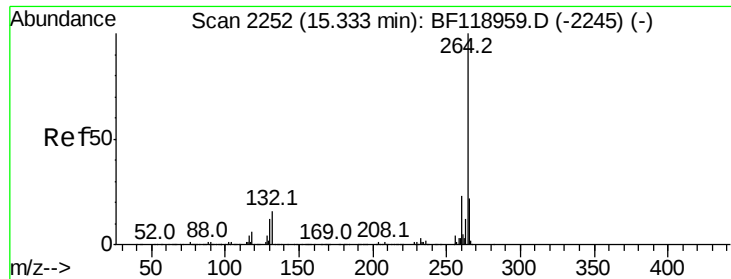
Tot Ion:244 Resp: 389167
 Ion Ratio Lower Upper
 244 100
 212 8.3 6.6 10.0
 122 19.3 8.2 12.2#



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 3.582 ng
 RT: 13.89 min Scan# 2006
 Delta R.T. 0.03 min
 Lab File: BF119369.D
 Acq: 12 Mar 2020 2:36

Tgt Ion:149 Resp: 26732
 Ion Ratio Lower Upper
 149 100
 167 53.1 22.8 34.2#
 279 15.9 4.6 6.8#

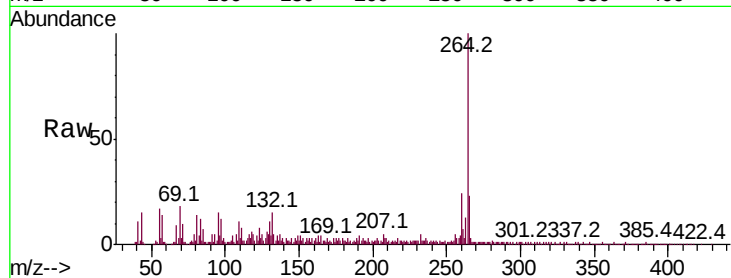




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.34 min Scan# 2254
 Delta R.T. 0.04 min
 Lab File: BF119369.D
 Acq: 12 Mar 2020 2:36

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.4	29.2
265	22.5	17.7	26.5



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

