

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031220\
 Data File : BF119406.D
 Acq On : 13 Mar 2020 3:47
 Operator : CG/JU
 Sample : L1874-13
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 13 04:27:28 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	115132	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	426362	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	194007	20.00	ng	0.00
64) Phenanthrene-d10	11.29	188	182434	20.00	ng	0.05
76) Chrysene-d12	13.95	240	188085	20.00	ng	0.06
87) Perylene-d12	15.36	264	255009	20.00	ng	0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.38	112	123657	17.95	ng	0.03
7) Phenol-d6	6.38	99	443559	52.94	ng	0.00
23) Nitrobenzene-d5	7.29	82	383130	47.45	ng	0.00
42) 2,4,6-Tribromophenol	10.60	330	7987	3.15	ng	0.04
45) 2-Fluorobiphenyl	9.09	172	765493	58.13	ng	0.00
79) Terphenyl-d14	12.90	244	395852	36.24	ng	0.08

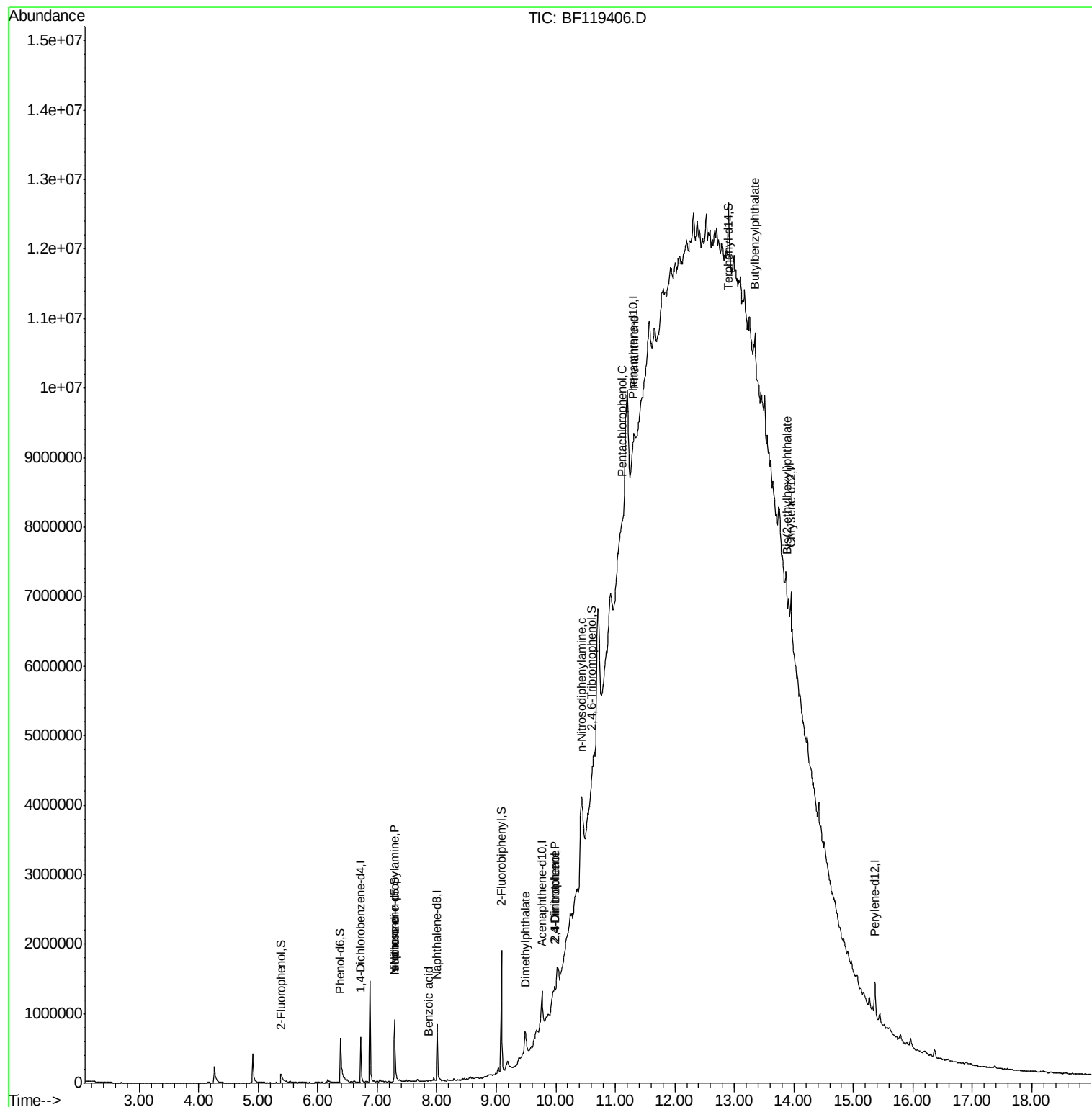
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.29	70	53231	10.903	ng	# 74
25) Isophorone	7.29	82	383130	27.320	ng	# 63
32) Benzoic acid	7.87	122	1033	6.892	ng	# 61
50) Dimethylphthalate	9.49	163	53554	3.610	ng	# 96
54) 2,4-Dinitrophenol	9.98	184	1168	8.136	ng	# 1
57) 2,4-Dinitrotoluene	9.99	165	9452	2.212	ng	# 34
66) n-Nitrosodiphenylamine	10.43	169	54924	9.195	ng	# 70
70) Pentachlorophenol	11.11	266	9206	8.312	ng	# 17
71) Phenanthrene	11.30	178	46024	4.626	ng	# 1
80) Butylbenzylphthalate	13.34	149	18924	2.977	ng	# 40
84) Bis(2-ethylhexyl)phthalate	13.89	149	23246	2.895	ng	# 63

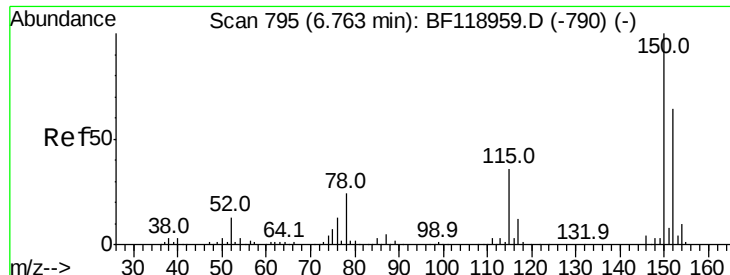
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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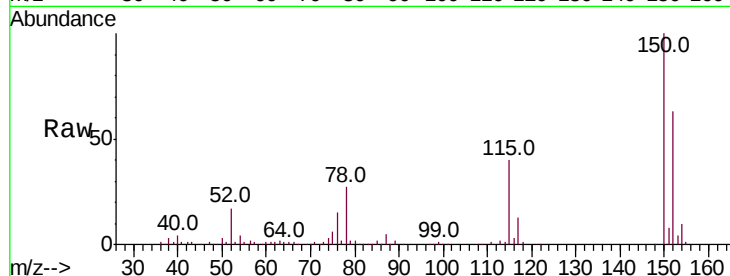


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. 0.00 min
Lab File: BF119406.D
Acq: 13 Mar 2020 3:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.8	123.0	184.6
115	63.5	49.5	74.3

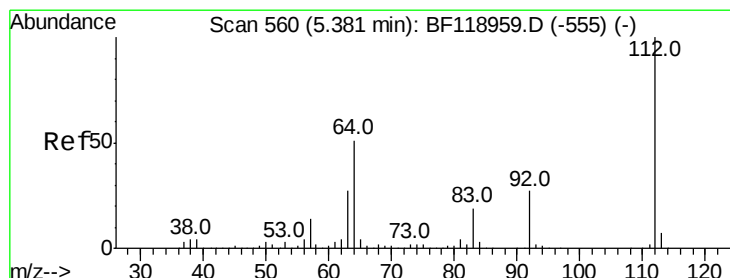
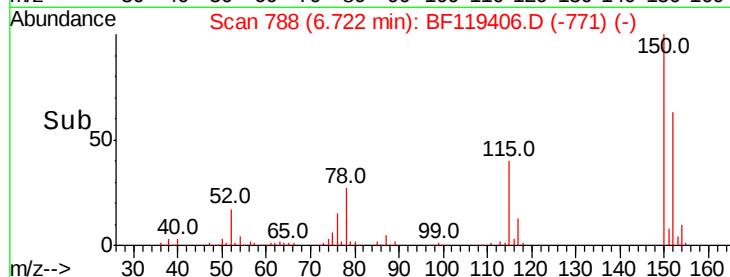
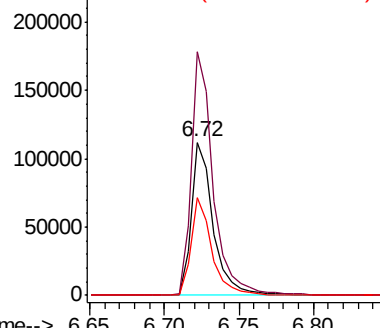


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

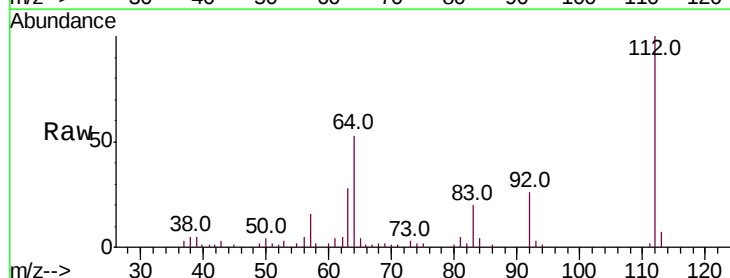
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 17.949 ng
RT: 5.38 min Scan# 560
Delta R.T. 0.03 min
Lab File: BF119406.D
Acq: 13 Mar 2020 3:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.4	45.0	67.4
63	28.0	24.2	36.4

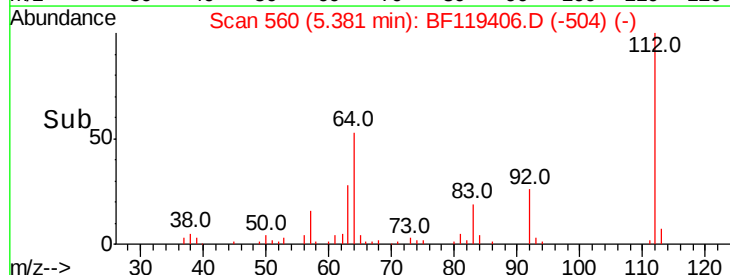
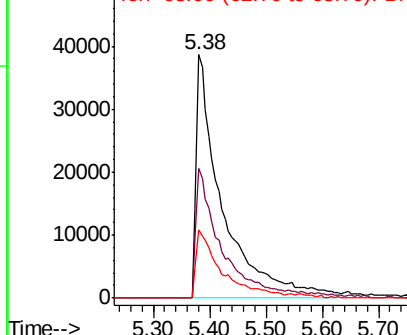


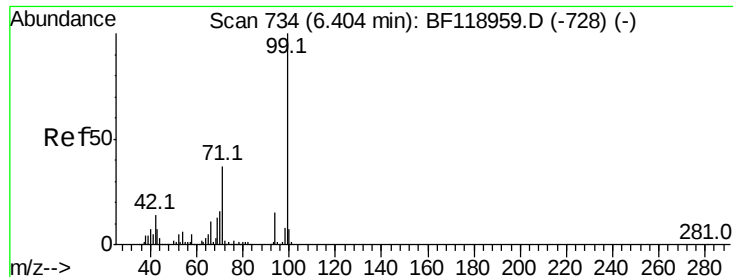
Abundance

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: 52.939 ng

RT: 6.38 min Scan# 730

Delta R.T. 0.00 min

Lab File: BF119406.D

Acq: 13 Mar 2020 3:47

Instrument :

BNA_F

ClientSampleId :

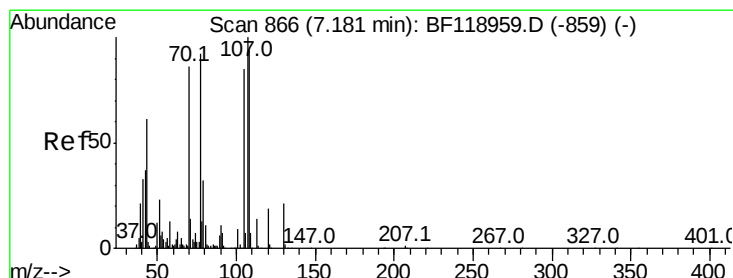
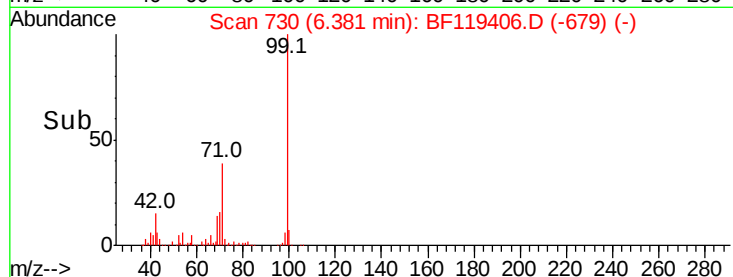
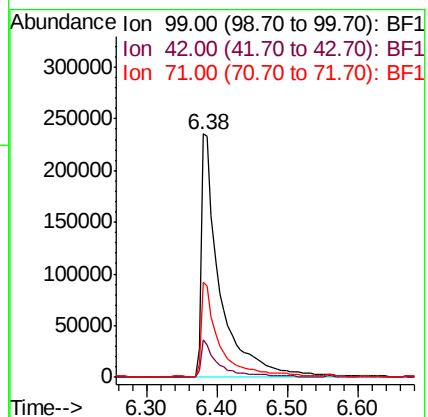
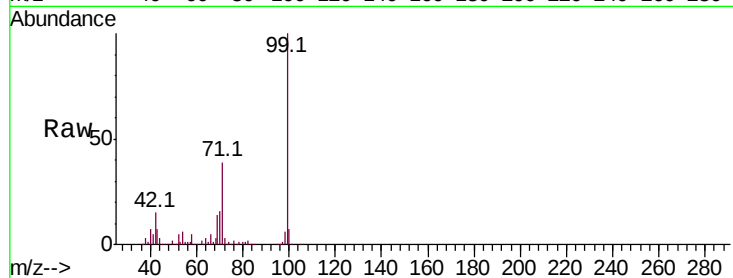
Tot Ion: 99 Resp: 443559

Ion Ratio Lower Upper

99 100

42 15.5 12.6 18.8

71 39.3 31.0 46.4



#19

n-Nitroso-di-n-propylamine

Concen: 10.903 ng

RT: 7.29 min Scan# 885

Delta R.T. 0.15 min

Lab File: BF119406.D

Acq: 13 Mar 2020 3:47

Tgt Ion: 70 Resp: 53231

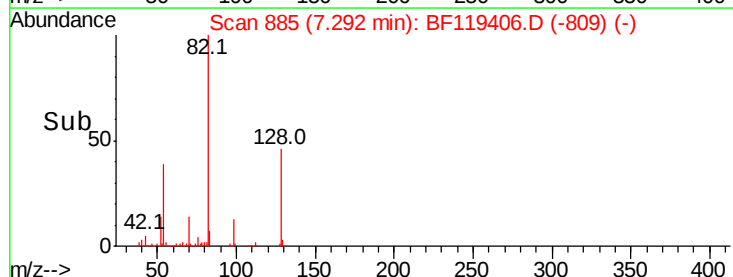
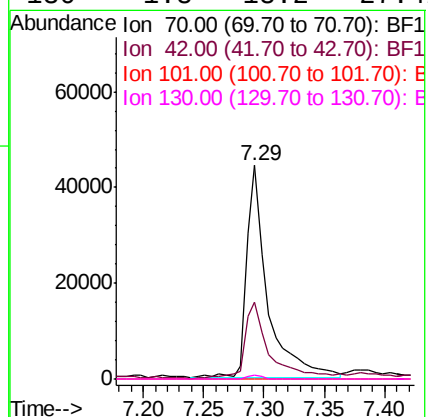
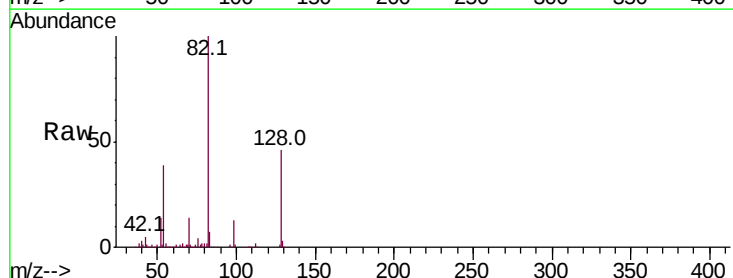
Ion Ratio Lower Upper

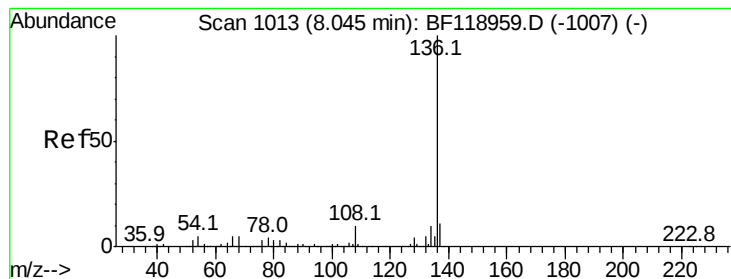
70 100

42 36.1 38.0 57.0#

101 0.0 8.2 12.4#

130 1.8 18.2 27.4#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1006

Delta R.T. -0.01 min

Lab File: BF119406.D

Acq: 13 Mar 2020 3:47

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 426362

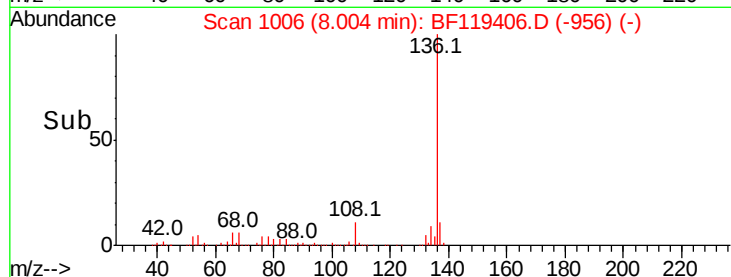
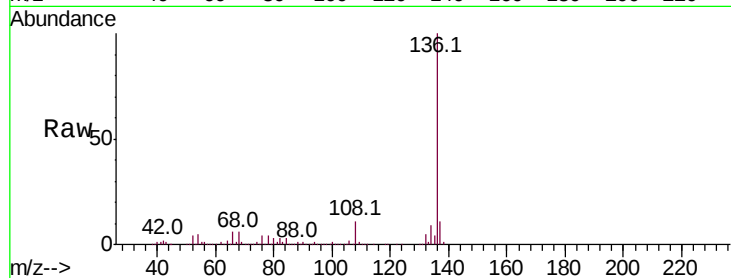
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 5.2 3.8 5.6

68 5.6 3.9 5.9

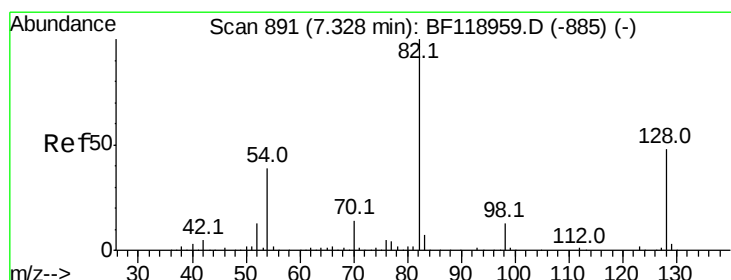
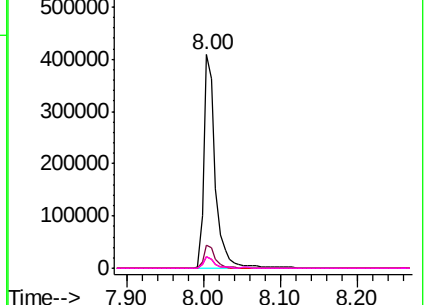


Abundance Ion 136.00 (135.70 to 136.70): E

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: 47.446 ng

RT: 7.29 min Scan# 885

Delta R.T. 0.00 min

Lab File: BF119406.D

Acq: 13 Mar 2020 3:47

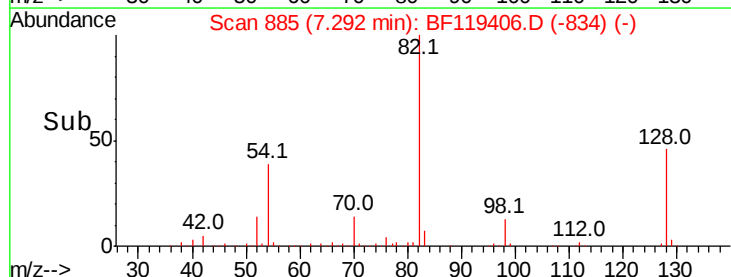
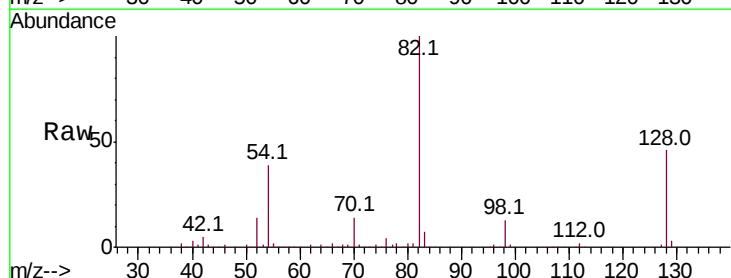
Tgt Ion: 82 Resp: 383130

Ion Ratio Lower Upper

82 100

128 45.5 37.9 56.9

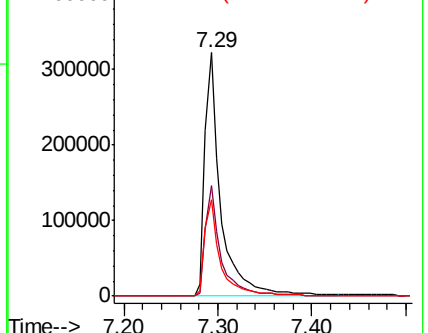
54 39.4 33.4 50.2

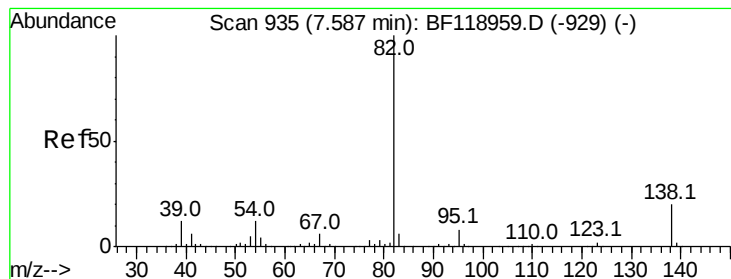


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 27.320 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.26 min

Lab File: BF119406.D

Acq: 13 Mar 2020 3:47

Instrument :

BNA_F

ClientSampleId :

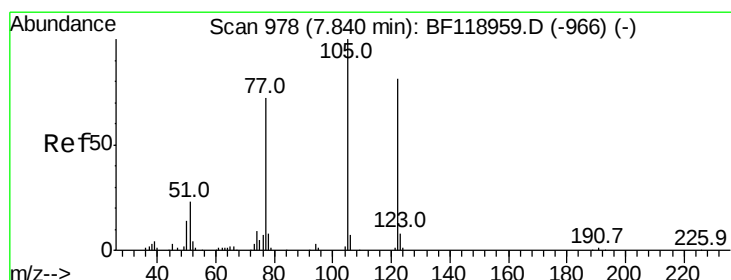
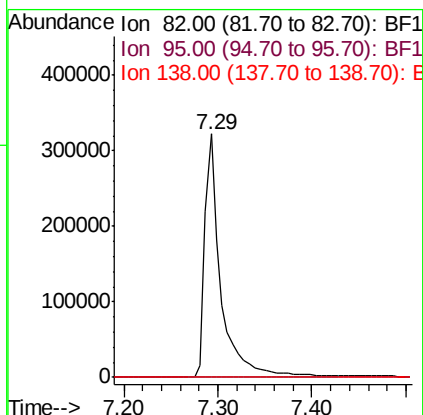
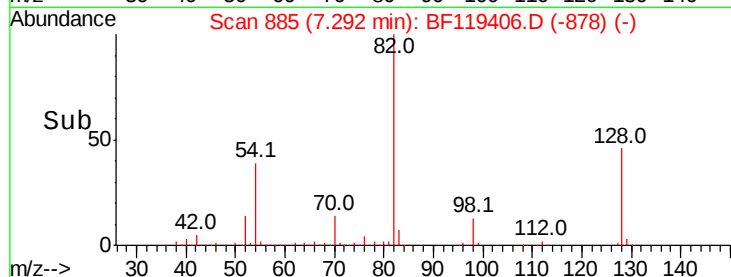
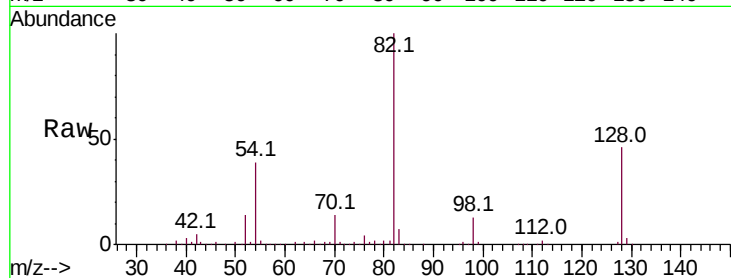
Tot Ion: 82 Resp: 383130

Ion Ratio Lower Upper

82 100

95 0.2 6.4 9.6#

138 0.0 15.7 23.5#



#32

Benzoic acid

Concen: 6.892 ng

RT: 7.87 min Scan# 984

Delta R.T. 0.04 min

Lab File: BF119406.D

Acq: 13 Mar 2020 3:47

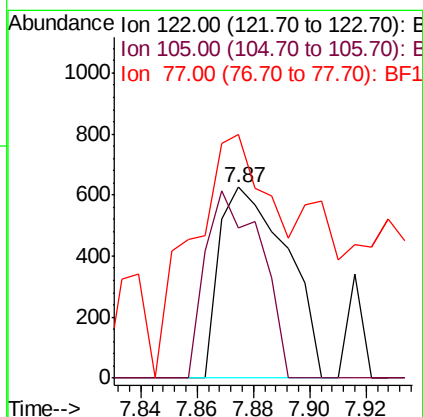
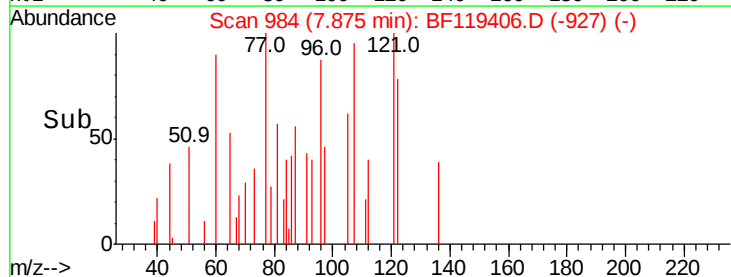
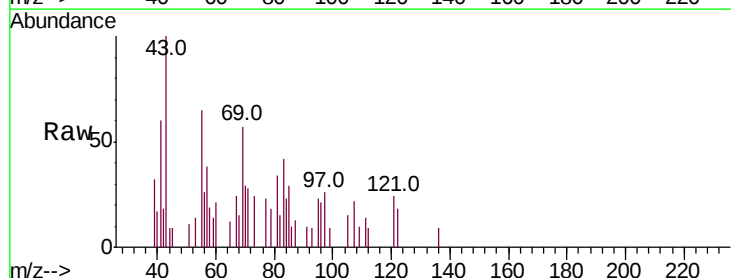
Tgt Ion: 122 Resp: 1033

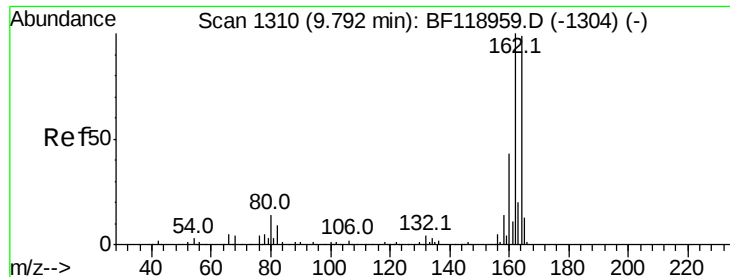
Ion Ratio Lower Upper

122 100

105 78.9 106.3 146.3#

77 127.5 73.1 113.1#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.77 min Scan# 1306

Delta R.T. 0.01 min

Lab File: BF119406.D

Acq: 13 Mar 2020 3:47

Instrument :

BNA_F

ClientSampleId :

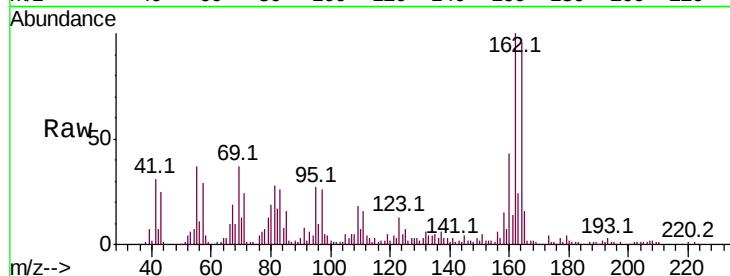
Tot Ion:164 Resp: 194007

Ion Ratio Lower Upper

164 100

162 104.3 81.8 122.8

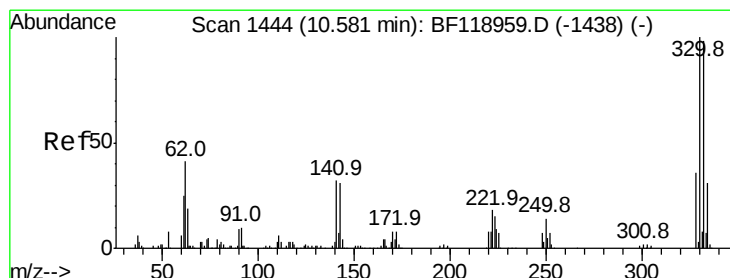
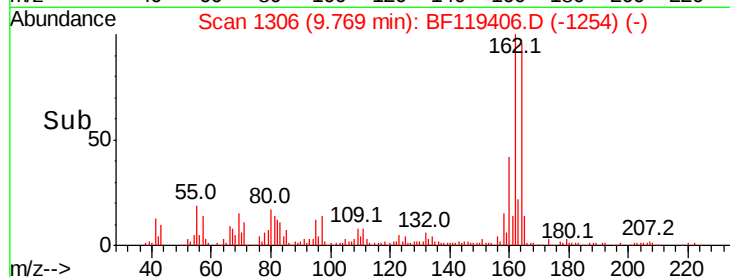
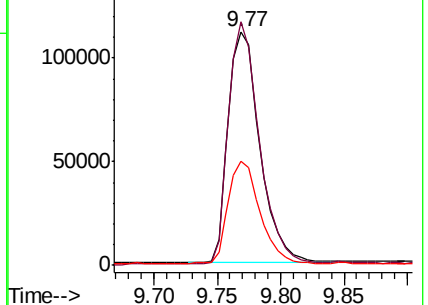
160 44.8 36.0 54.0



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: 3.147 ng

RT: 10.60 min Scan# 1447

Delta R.T. 0.04 min

Lab File: BF119406.D

Acq: 13 Mar 2020 3:47

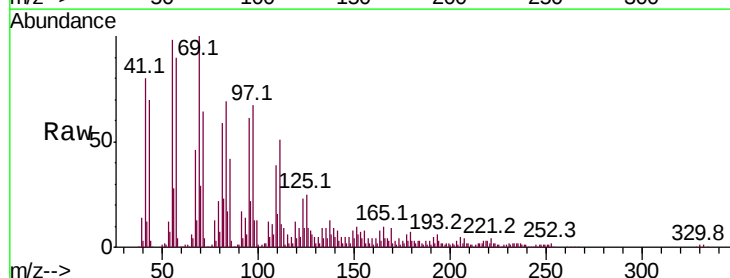
Tgt Ion:330 Resp: 7987

Ion Ratio Lower Upper

330 100

332 100.5 76.0 114.0

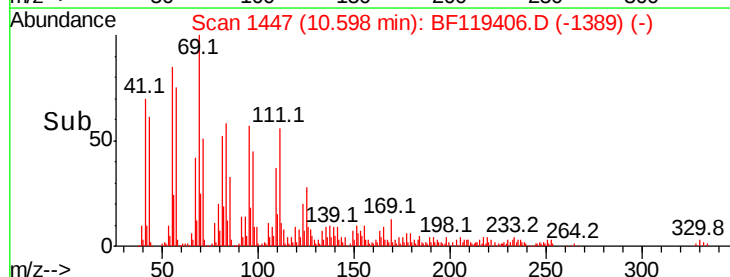
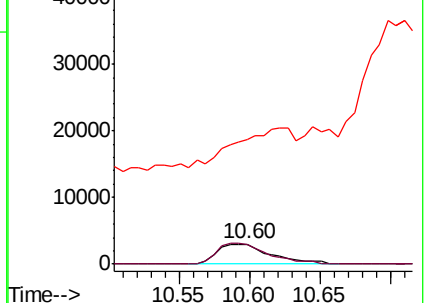
141 0.0 22.9 34.3#

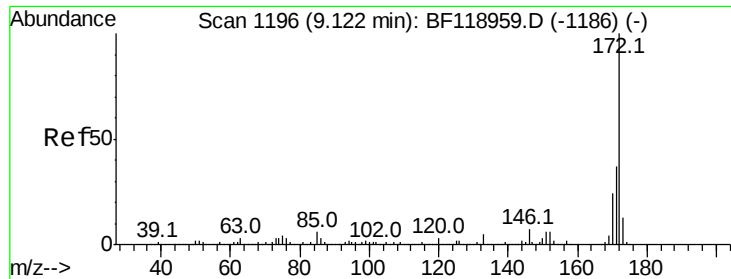


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

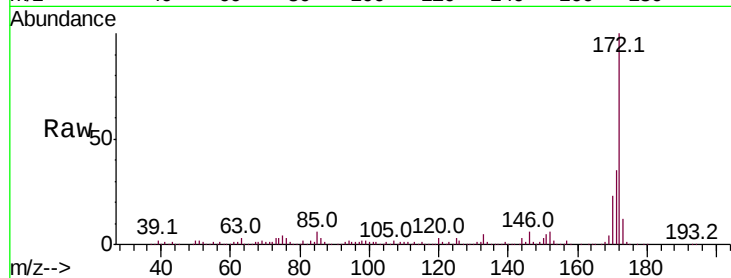




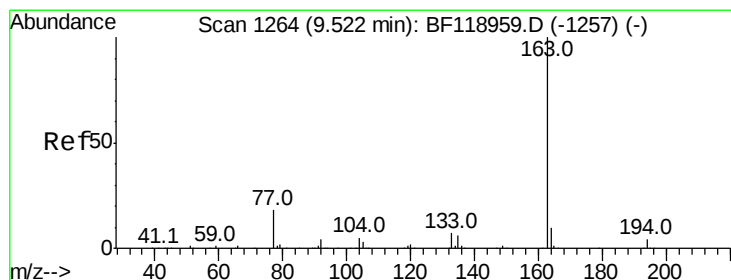
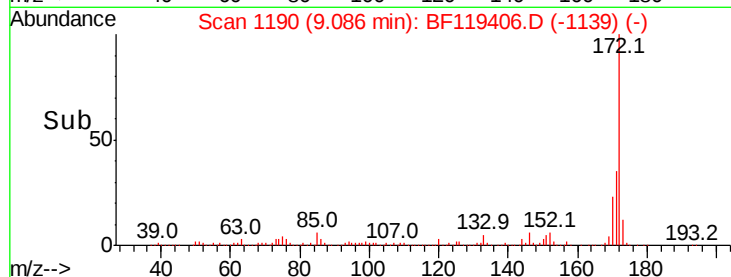
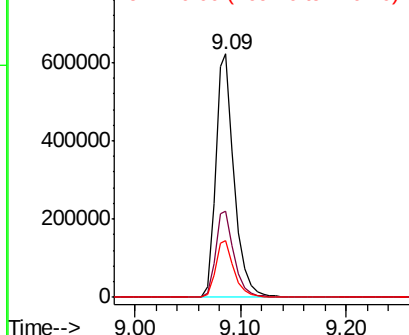
#45
2-Fluorobiphenyl
Concen: 58.127 ng
RT: 9.09 min Scan# 1190
Delta R.T. 0.00 min
Lab File: BF119406.D
Acq: 13 Mar 2020 3:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 765493
Ion Ratio Lower Upper
172 100
171 35.3 30.6 45.8
170 23.2 20.2 30.2

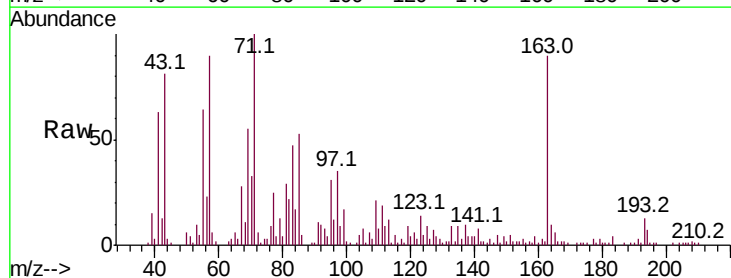


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

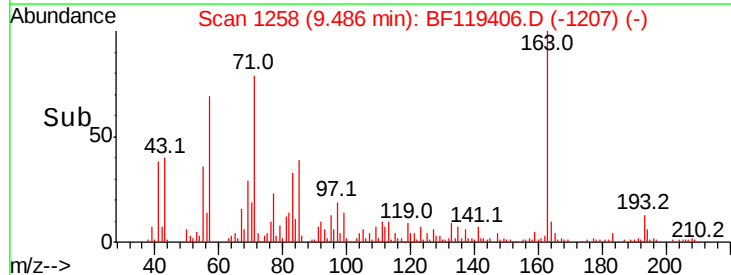
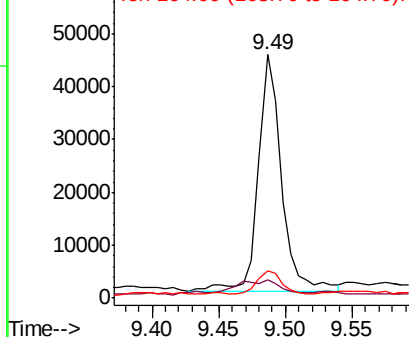


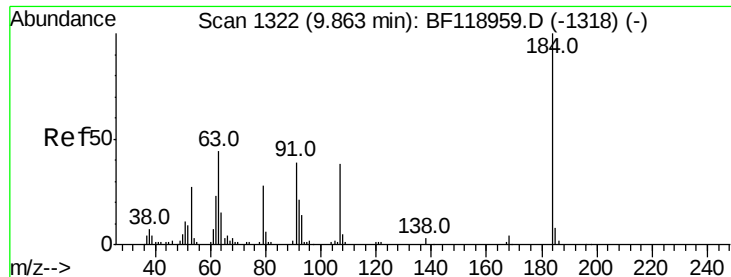
#50
Dimethylphthalate
Concen: 3.610 ng
RT: 9.49 min Scan# 1258
Delta R.T. 0.00 min
Lab File: BF119406.D
Acq: 13 Mar 2020 3:47

Tgt Ion:163 Resp: 53554
Ion Ratio Lower Upper
163 100
194 7.3 3.5 5.3#
164 11.2 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

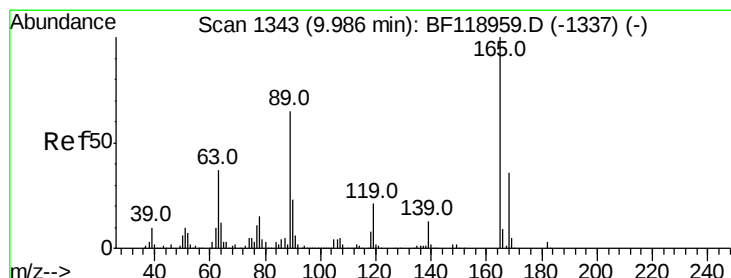
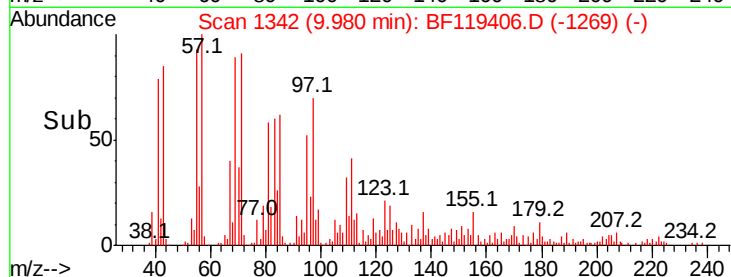
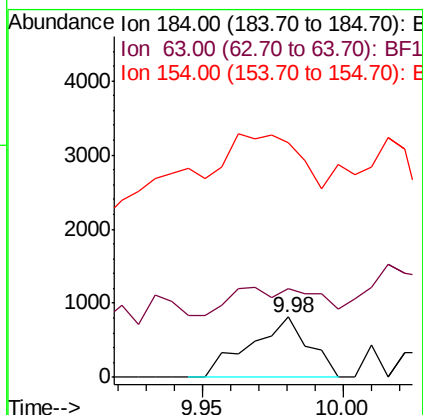
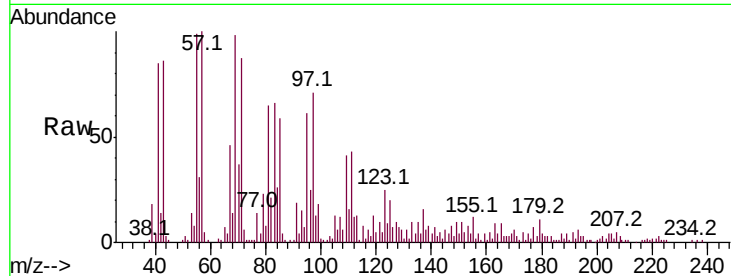




#54
2,4-Dinitrophenol
Concen: 8.136 ng
RT: 9.98 min Scan# 1342
Delta R.T. 0.13 min
Lab File: BF119406.D
Acq: 13 Mar 2020 3:47

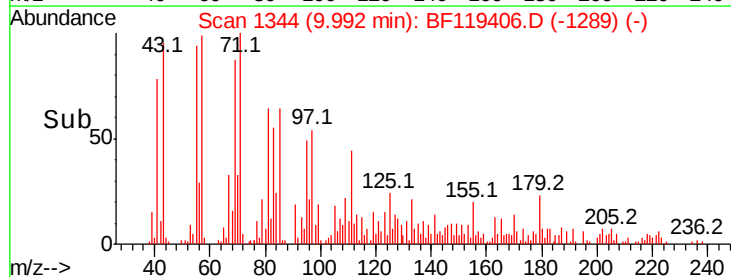
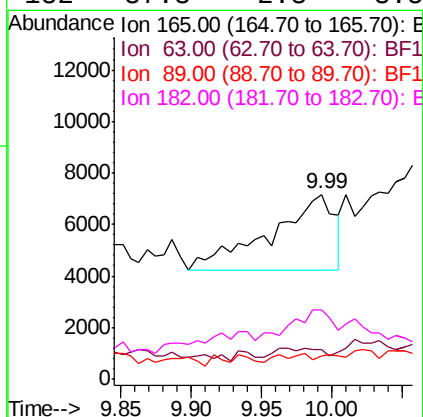
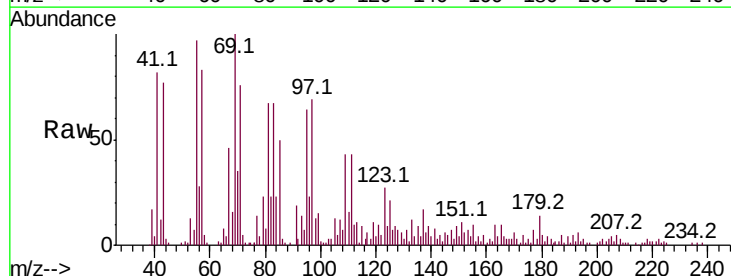
Instrument :
BNA_F
ClientSampleId :

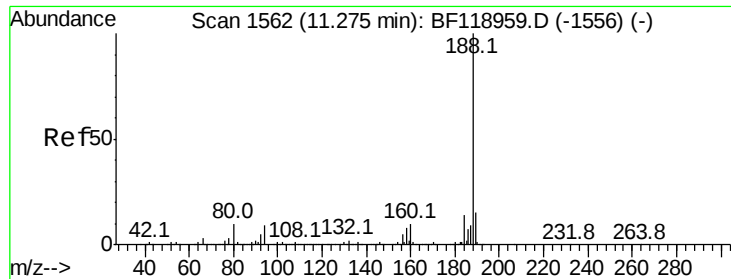
Tot Ion:184 Resp: 1168
Ion Ratio Lower Upper
184 100
63 147.5 38.7 58.1#
154 388.6 49.7 74.5#



#57
2,4-Dinitrotoluene
Concen: 2.212 ng
RT: 9.99 min Scan# 1344
Delta R.T. 0.02 min
Lab File: BF119406.D
Acq: 13 Mar 2020 3:47

Tgt Ion:165 Resp: 9452
Ion Ratio Lower Upper
165 100
63 15.8 42.3 63.5#
89 12.3 60.2 90.4#
182 37.3 2.3 3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.29 min Scan# 1565

Delta R.T. 0.05 min

Lab File: BF119406.D

Acq: 13 Mar 2020 3:47

Instrument :

BNA_F

ClientSampleId :

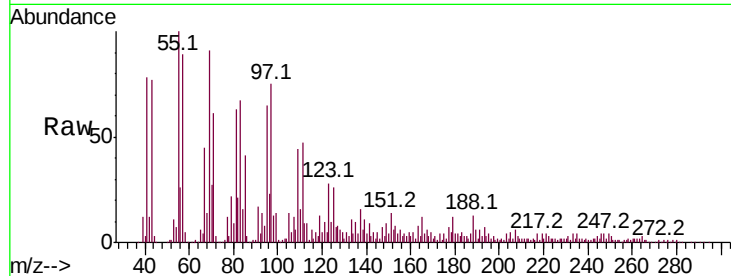
Tot Ion:188 Resp: 182434

Ion Ratio Lower Upper

188 100

94 61.8 7.1 10.7#

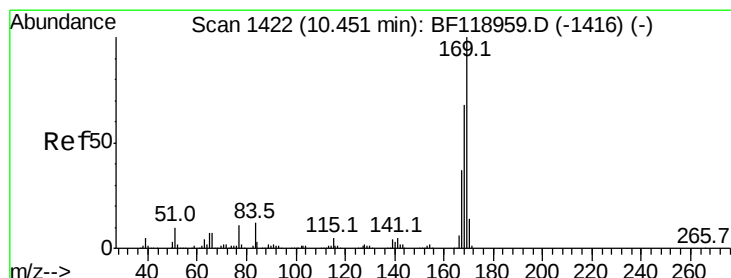
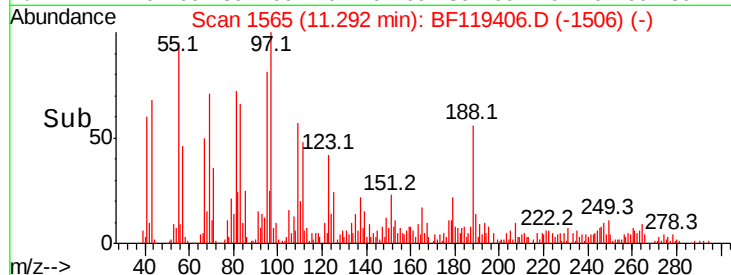
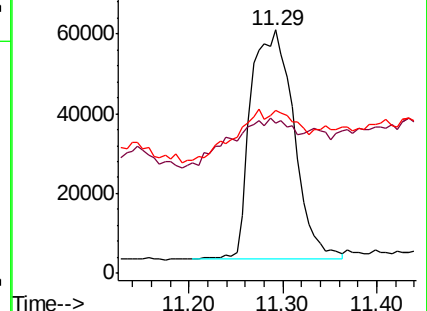
80 67.0 7.8 11.8#



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: 9.195 ng

RT: 10.43 min Scan# 1419

Delta R.T. 0.01 min

Lab File: BF119406.D

Acq: 13 Mar 2020 3:47

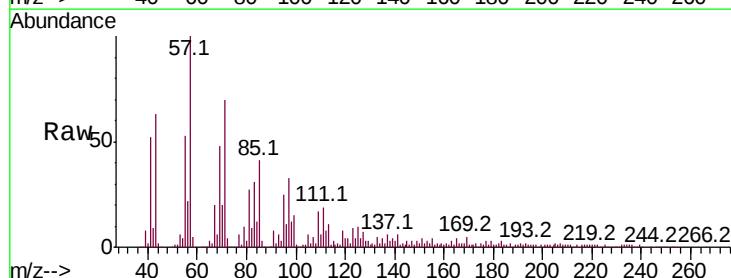
Tgt Ion:169 Resp: 54924

Ion Ratio Lower Upper

169 100

168 35.3 54.1 81.1#

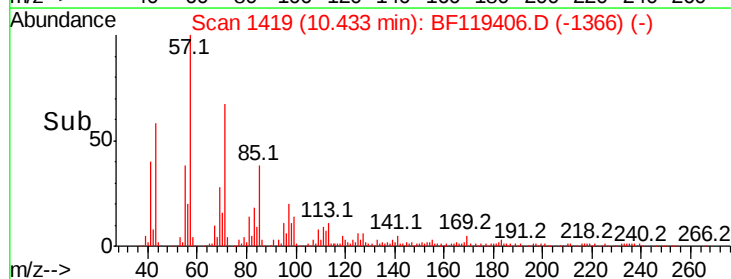
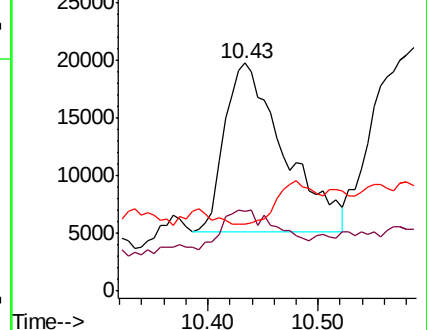
167 29.6 29.4 44.0

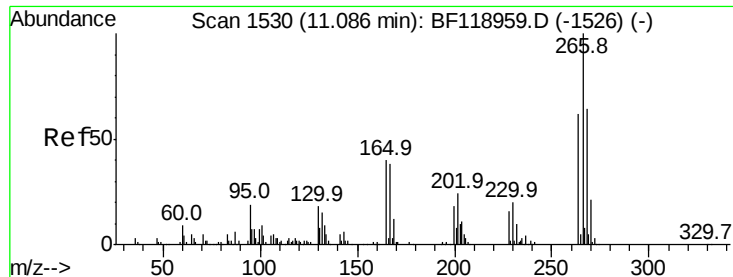


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

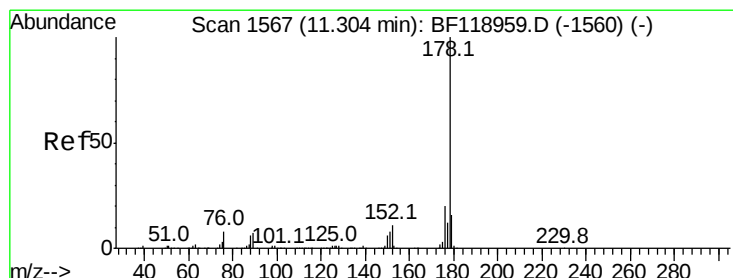
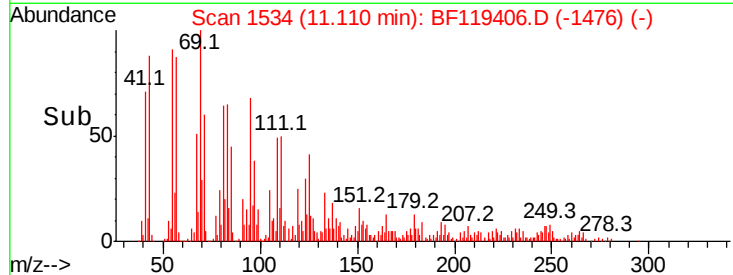
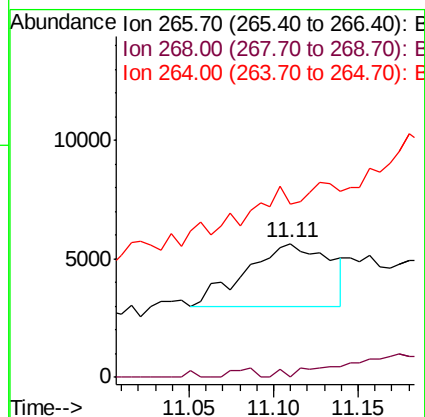
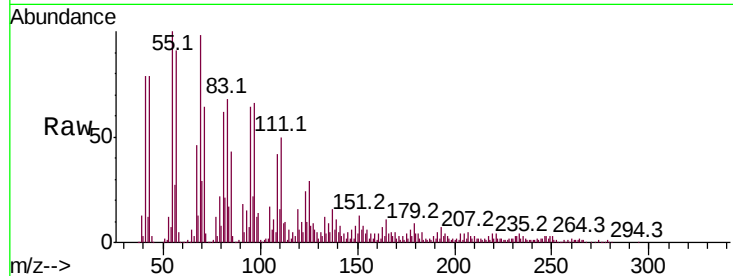




#70
 Pentachlorophenol
 Concen: 8.312 ng
 RT: 11.11 min Scan# 1534
 Delta R.T. 0.04 min
 Lab File: BF119406.D
 Acq: 13 Mar 2020 3:47

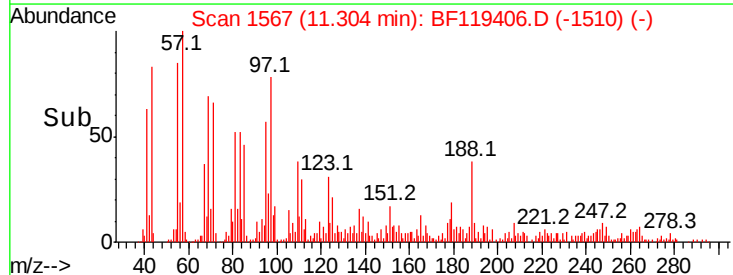
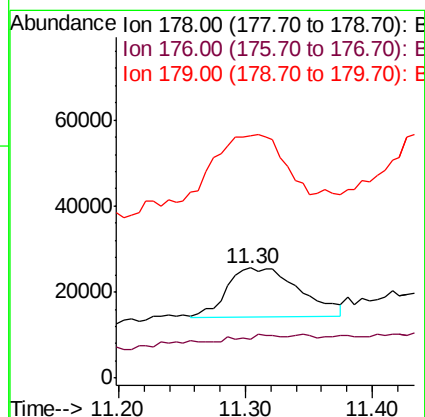
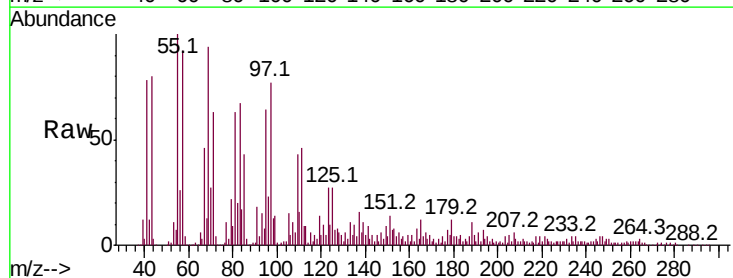
Instrument :
 BNA_F
 ClientSampleId :

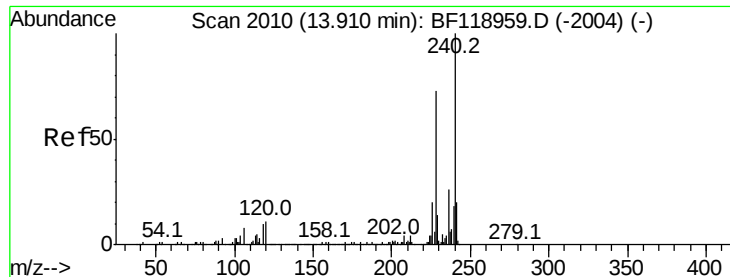
Tot Ion:266 Resp: 9206
 Ion Ratio Lower Upper
 266 100
 268 0.0 51.9 77.9#
 264 129.0 51.0 76.4#



#71
 Phenanthrene
 Concen: 4.626 ng
 RT: 11.30 min Scan# 1567
 Delta R.T. 0.04 min
 Lab File: BF119406.D
 Acq: 13 Mar 2020 3:47

Tgt Ion:178 Resp: 46024
 Ion Ratio Lower Upper
 178 100
 176 35.7 16.5 24.7#
 179 219.7 13.0 19.6#

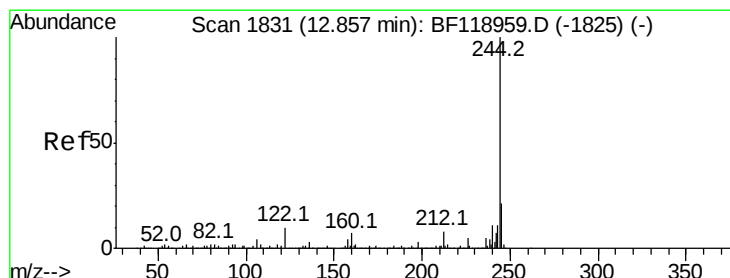
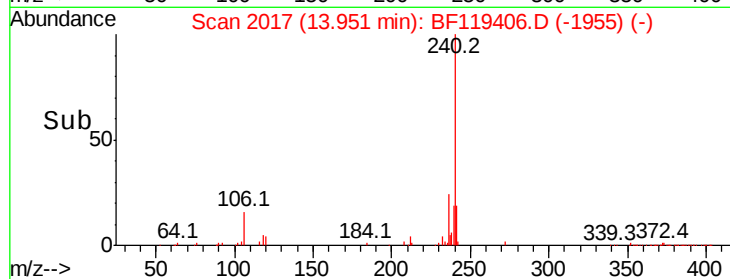
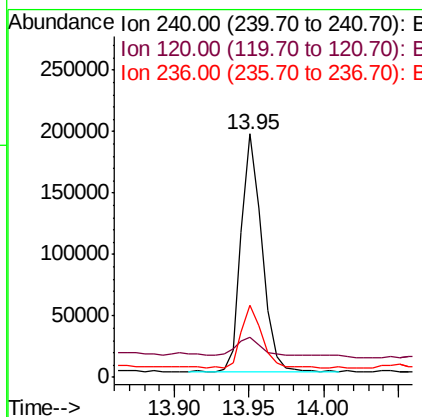
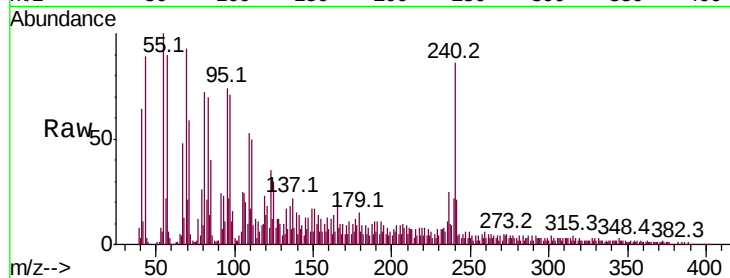




#76
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 13.95 min Scan# 2017
 Delta R.T. 0.06 min
 Lab File: BF119406.D
 Acq: 13 Mar 2020 3:47

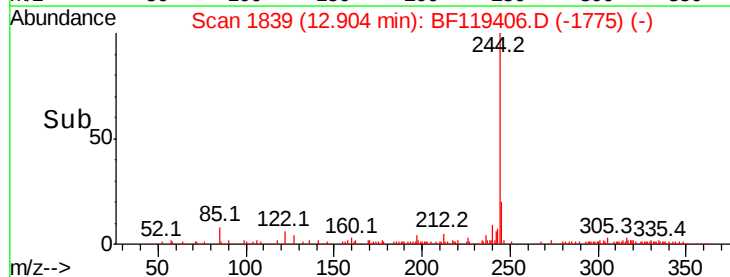
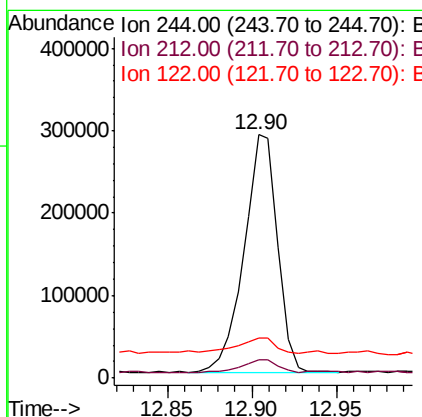
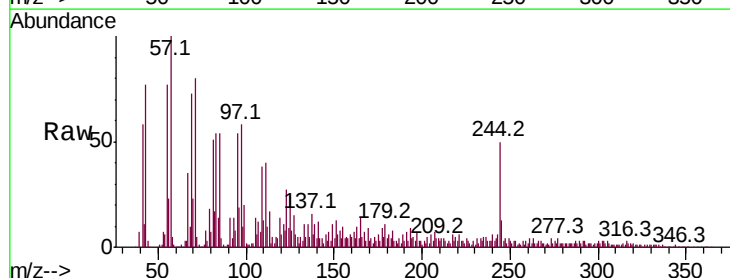
Instrument :
 BNA_F
 ClientSampleId :

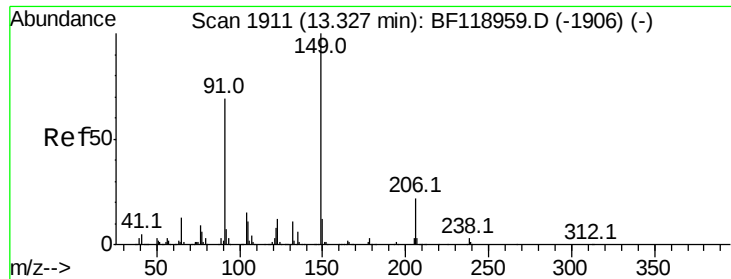
Tot Ion:240 Resp: 188085
 Ion Ratio Lower Upper
 240 100
 120 16.7 8.4 12.6#
 236 29.5 21.0 31.4



#79
 Terphenyl-d14
 Concen: 36.235 ng
 RT: 12.90 min Scan# 1839
 Delta R.T. 0.08 min
 Lab File: BF119406.D
 Acq: 13 Mar 2020 3:47

Tgt Ion:244 Resp: 395852
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.6 10.0
 122 16.4 8.2 12.2#

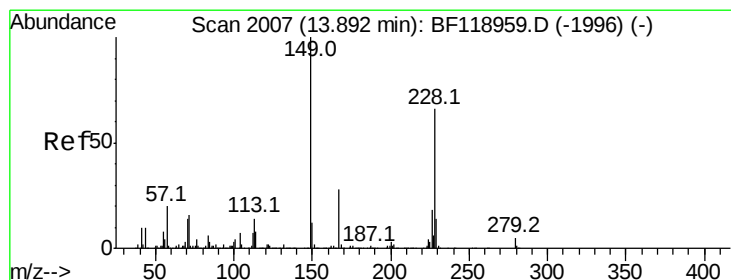
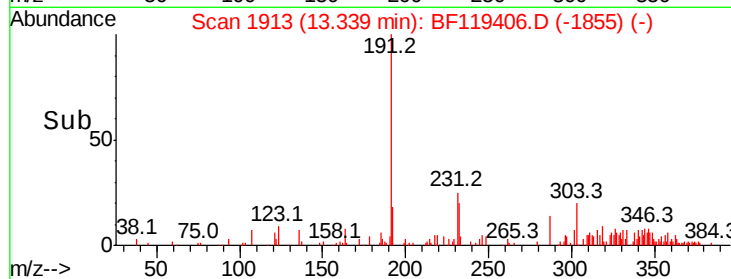
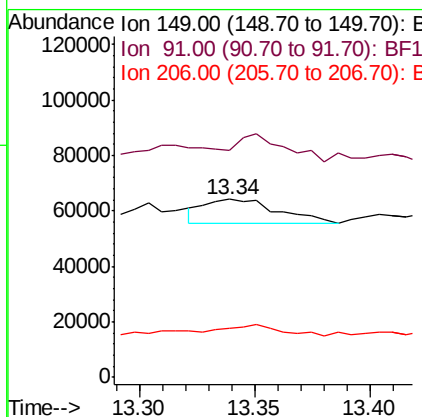
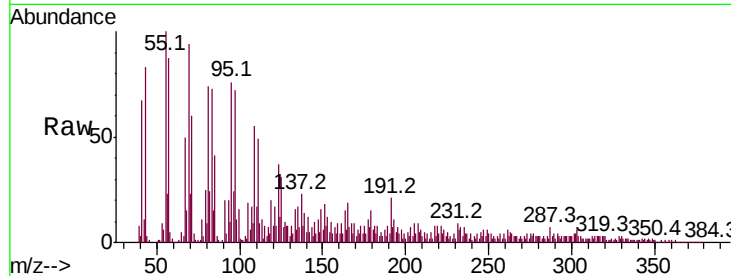




#80
 Butylbenzylphthalate
 Concen: 2.977 ng
 RT: 13.34 min Scan# 1913
 Delta R.T. 0.04 min
 Lab File: BF119406.D
 Acq: 13 Mar 2020 3:47

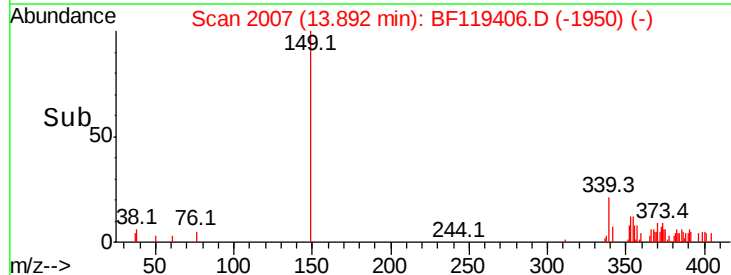
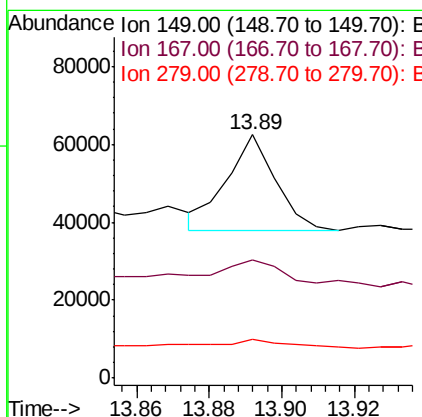
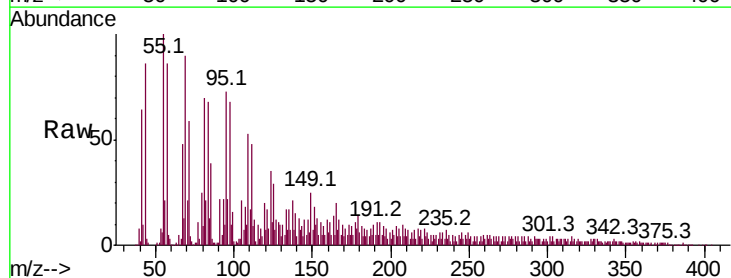
Instrument :
 BNA_F
 ClientSampled :

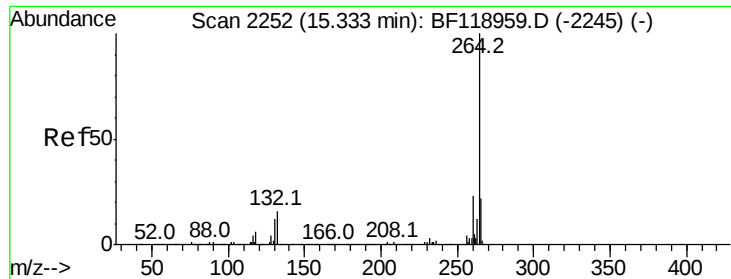
Tot Ion:149 Resp: 18924
 Ion Ratio Lower Upper
 149 100
 91 127.5 52.3 78.5#
 206 27.3 18.5 27.7



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.895 ng
 RT: 13.89 min Scan# 2007
 Delta R.T. 0.04 min
 Lab File: BF119406.D
 Acq: 13 Mar 2020 3:47

Tgt Ion:149 Resp: 23246
 Ion Ratio Lower Upper
 149 100
 167 48.8 22.8 34.2#
 279 15.9 4.6 6.8#





#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.36 min Scan# 2256
Delta R.T. 0.05 min
Lab File: BF119406.D
Acq: 13 Mar 2020 3:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.4	29.2
265	21.8	17.7	26.5

