

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031120\
 Data File : BF119361.D
 Acq On : 11 Mar 2020 22:41
 Operator : CG/JU
 Sample : L1826-02DL 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 12 05:11:45 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

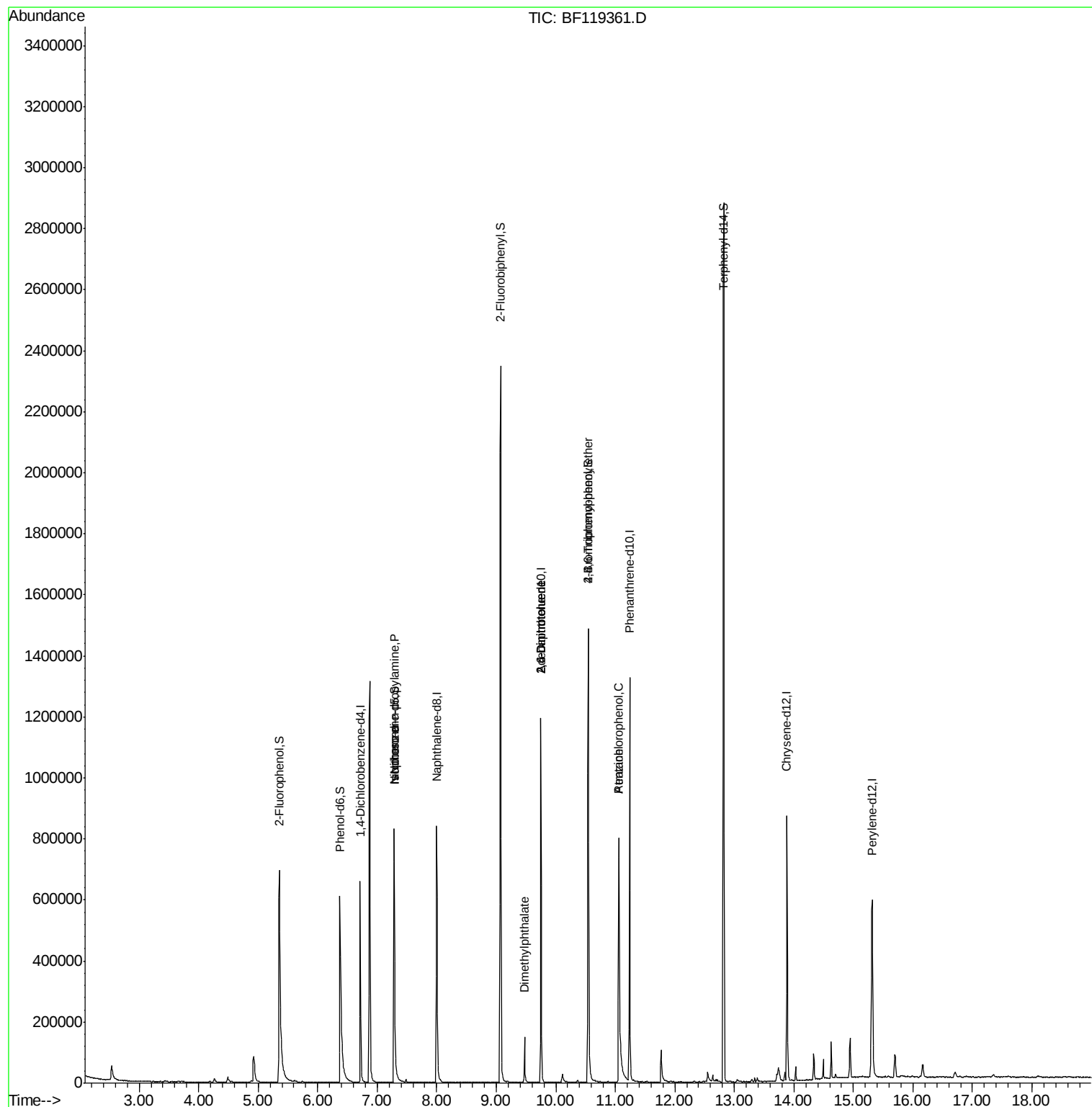
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	109009	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	427212	20.00	ng	-0.01
39) Acenaphthene-d10	9.75	164	240309	20.00	ng	-0.01
64) Phenanthrene-d10	11.24	188	467612	20.00	ng	0.00
76) Chrysene-d12	13.88	240	332407	20.00	ng	0.00
87) Perylene-d12	15.32	264	309161	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	390229	59.82	ng	0.00
7) Phenol-d6	6.38	99	428805	54.05	ng	0.00
23) Nitrobenzene-d5	7.29	82	362055	44.75	ng	0.00
42) 2,4,6-Tribromophenol	10.55	330	212697	67.66	ng	-0.01
45) 2-Fluorobiphenyl	9.07	172	758391	46.49	ng	-0.01
79) Terphenyl-d14	12.82	244	1062456	55.03	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.29	70	49365	10.679	ng	# 74
25) Isophorone	7.29	82	362055	25.766	ng	# 63
50) Dimethylphthalate	9.47	163	70960	3.862	ng	# 98
51) 2,6-Dinitrotoluene	9.75	165	30370	7.439	ng	# 33
57) 2,4-Dinitrotoluene	9.75	165	30370	5.739	ng	# 21
67) 4-Bromophenyl-phenylether	10.55	248	14447	2.364	ng	# 1
69) Atrazine	11.06	200	28321	5.294	ng	# 36
70) Pentachlorophenol	11.06	266	156664	55.187	ng	# 99

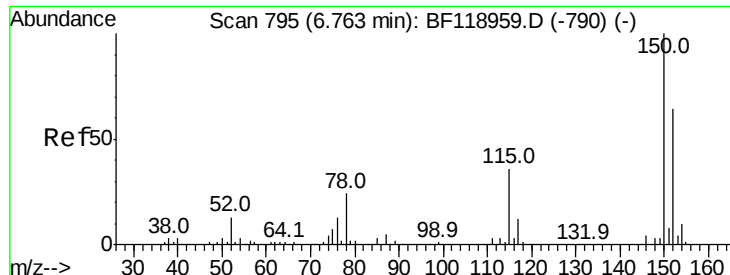
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 15 Sample Multiplier: 1

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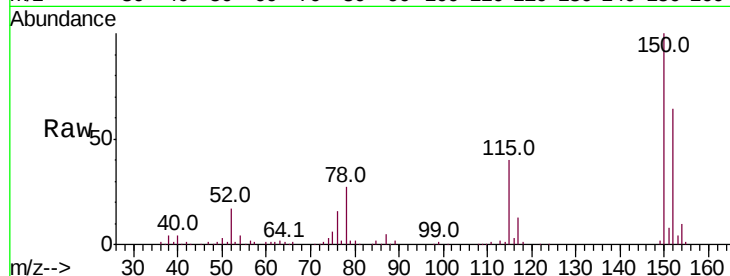


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF119361.D
Acq: 11 Mar 2020 22:41

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.0	123.0	184.6
115	62.6	49.5	74.3

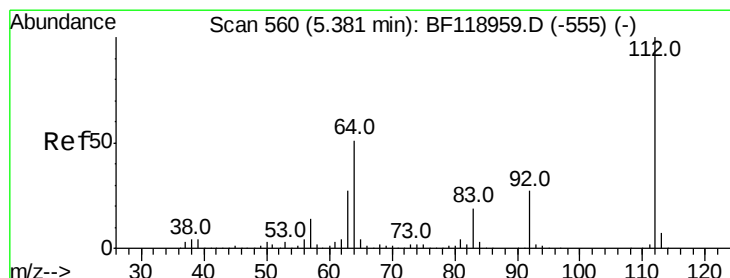
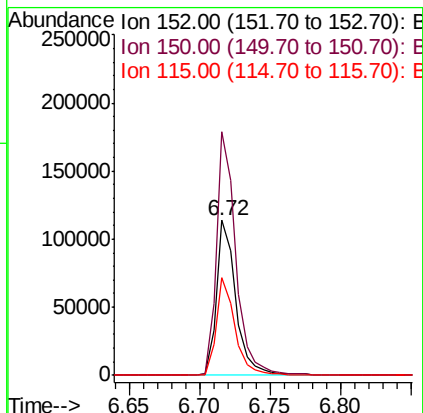
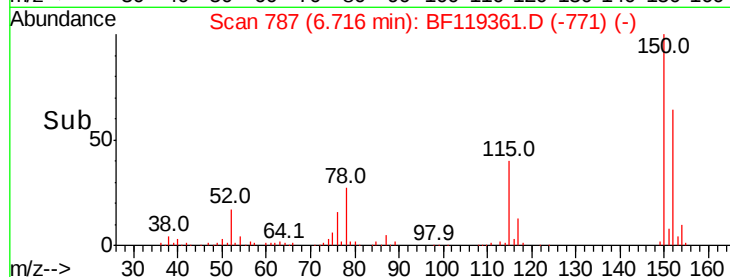


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

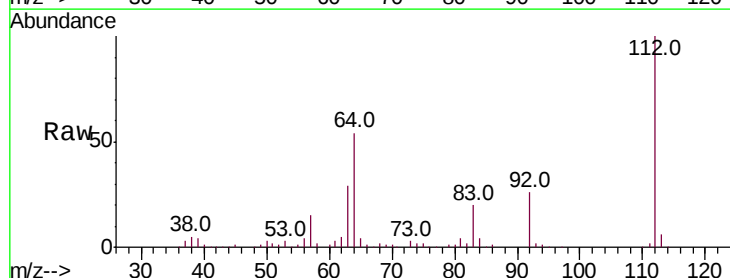
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 59.825 ng
RT: 5.36 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF119361.D
Acq: 11 Mar 2020 22:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.6	45.0	67.4
63	28.6	24.2	36.4

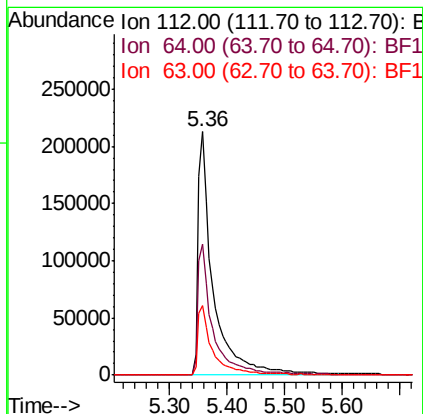
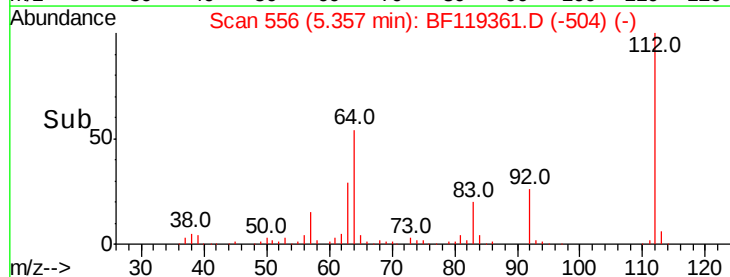


Abundance

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: 54.053 ng

RT: 6.38 min Scan# 730

Delta R.T. 0.00 min

Lab File: BF119361.D

Acq: 11 Mar 2020 22:41

Instrument :

BNA_F

ClientSampleId :

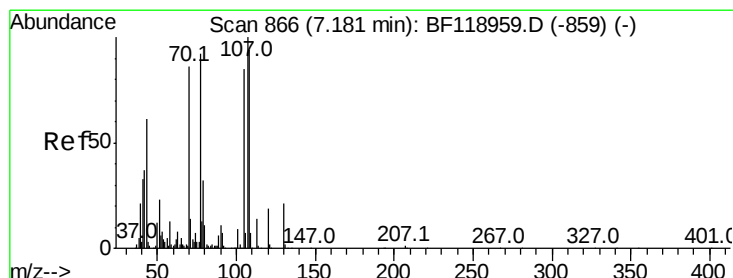
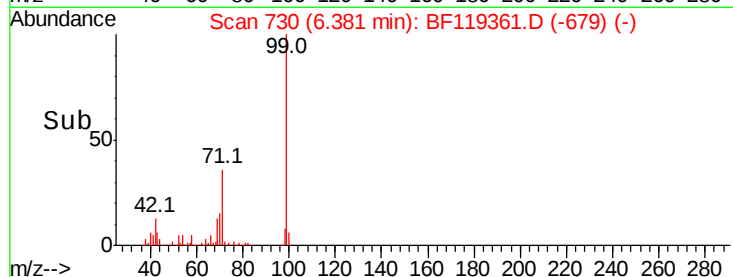
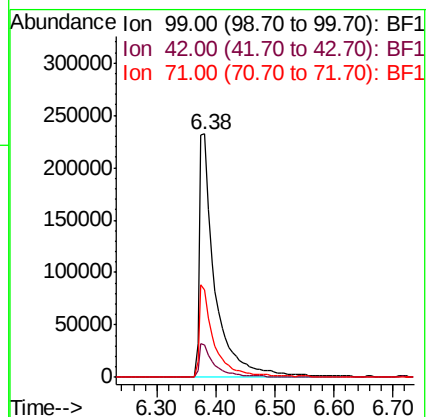
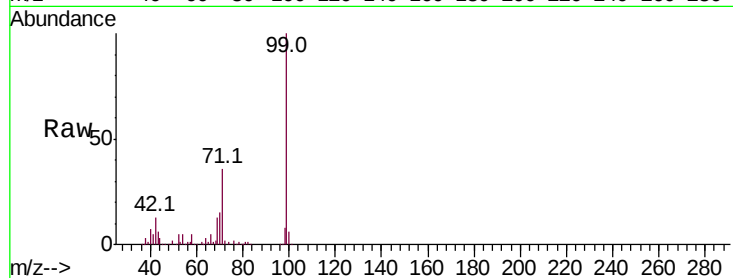
Tot Ion: 99 Resp: 428805

Ion Ratio Lower Upper

99 100

42 13.5 12.6 18.8

71 35.9 31.0 46.4



#19

n-Nitroso-di-n-propylamine

Concen: 10.679 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.14 min

Lab File: BF119361.D

Acq: 11 Mar 2020 22:41

Tgt Ion: 70 Resp: 49365

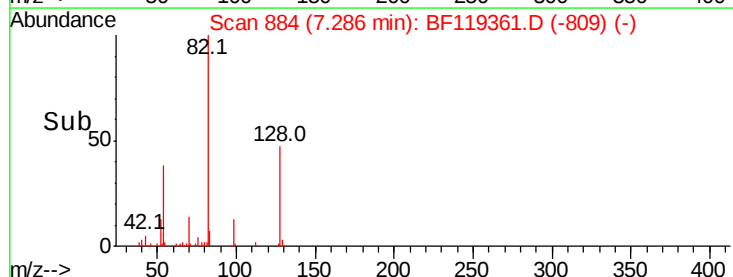
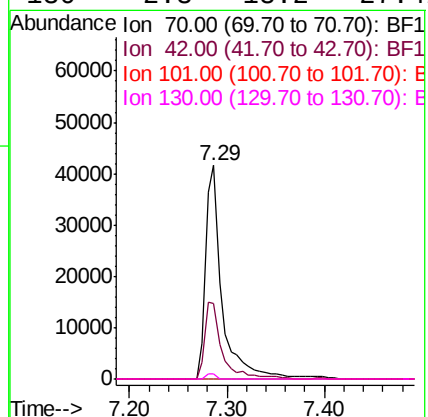
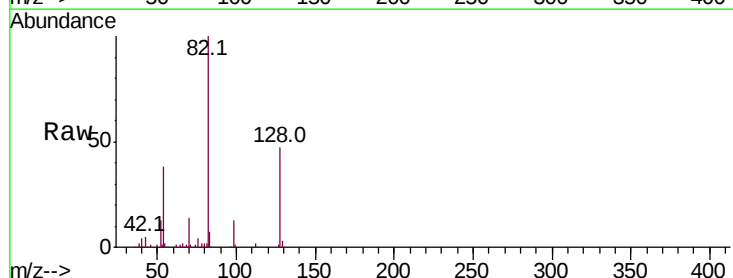
Ion Ratio Lower Upper

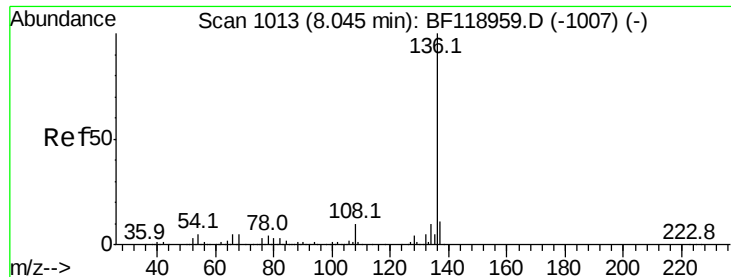
70 100

42 35.7 38.0 57.0#

101 0.0 8.2 12.4#

130 2.3 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: BF119361.D

Acq: 11 Mar 2020 22:41

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 427212

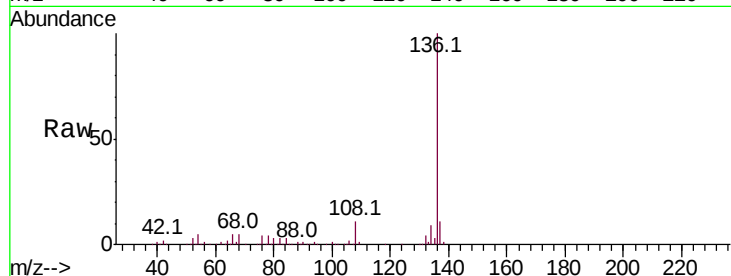
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 5.1 3.8 5.6

68 5.2 3.9 5.9

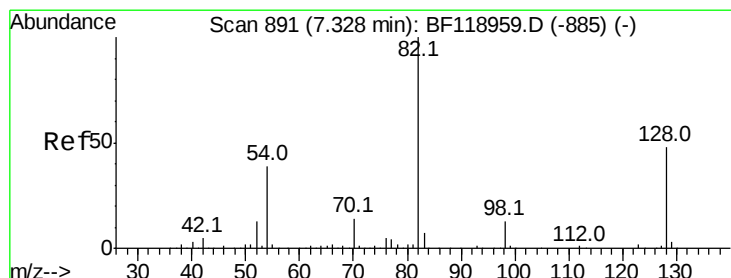
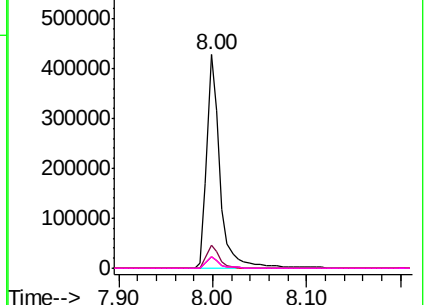
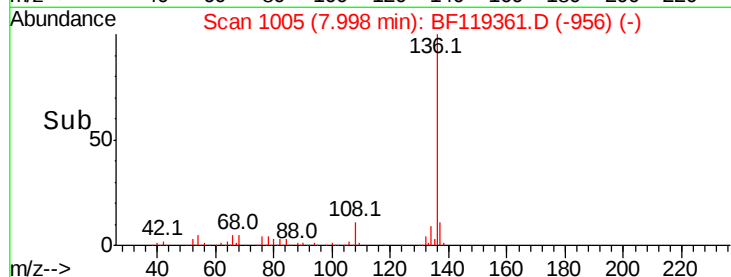


Abundance Ion 136.00 (135.70 to 136.70): E

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: 44.747 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.01 min

Lab File: BF119361.D

Acq: 11 Mar 2020 22:41

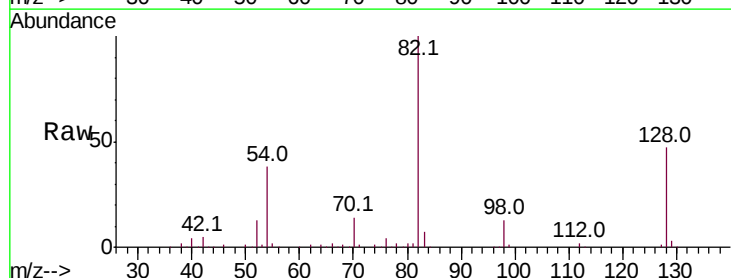
Tgt Ion: 82 Resp: 362055

Ion Ratio Lower Upper

82 100

128 46.7 37.9 56.9

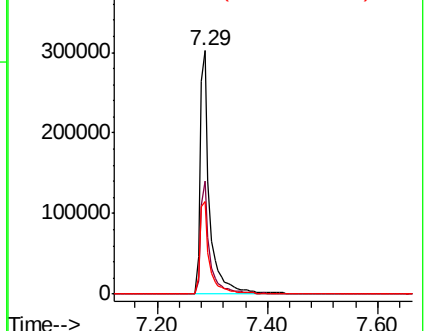
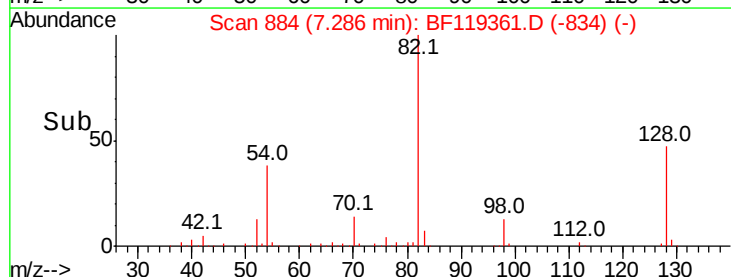
54 38.0 33.4 50.2

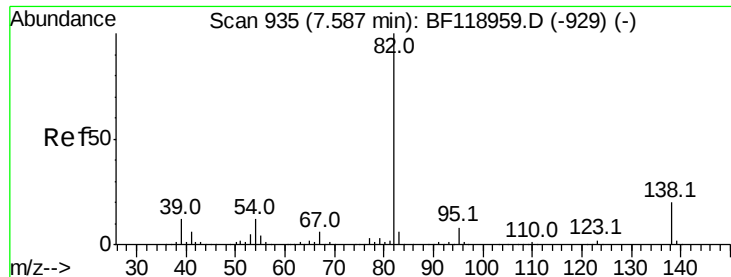


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 25.766 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.26 min

Lab File: BF119361.D

Acq: 11 Mar 2020 22:41

Instrument :

BNA_F

ClientSampleId :

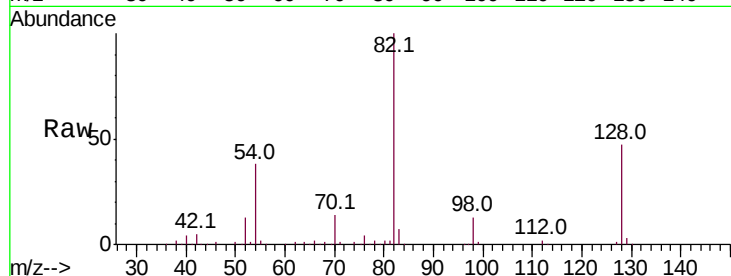
Tot Ion: 82 Resp: 362055

Ion Ratio Lower Upper

82 100

95 0.0 6.4 9.6#

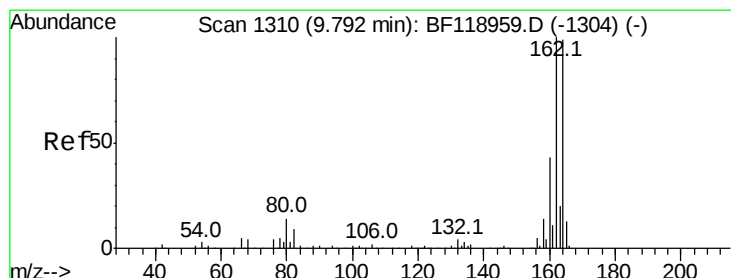
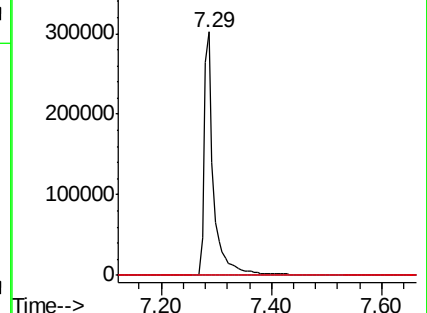
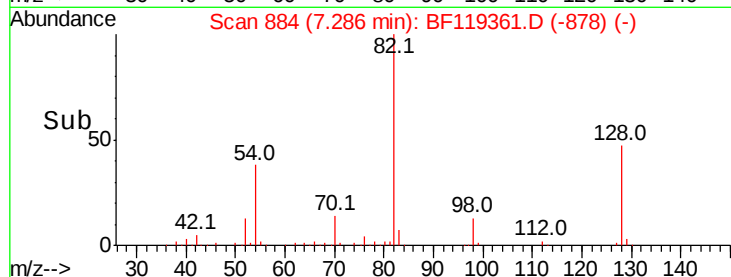
138 0.0 15.7 23.5#



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF119361.D

Acq: 11 Mar 2020 22:41

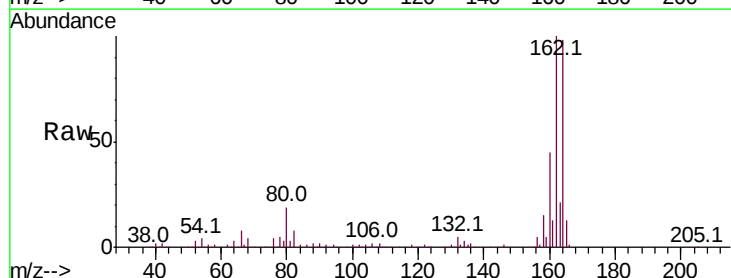
Tgt Ion:164 Resp: 240309

Ion Ratio Lower Upper

164 100

162 101.7 81.8 122.8

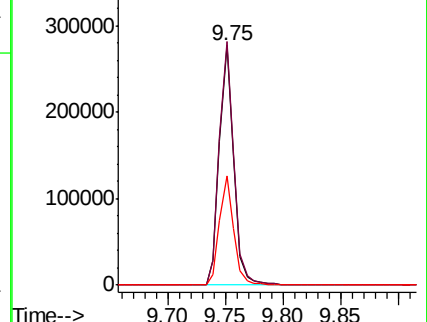
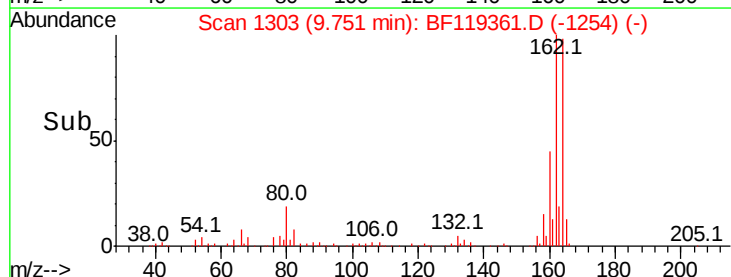
160 45.8 36.0 54.0

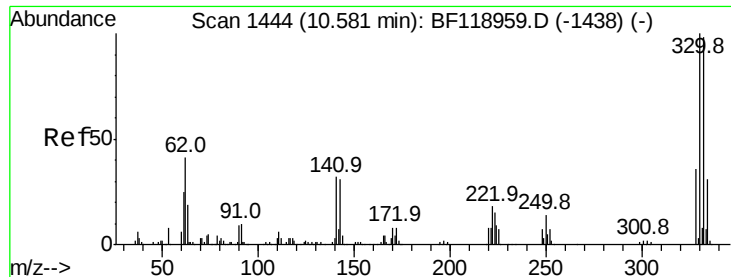


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

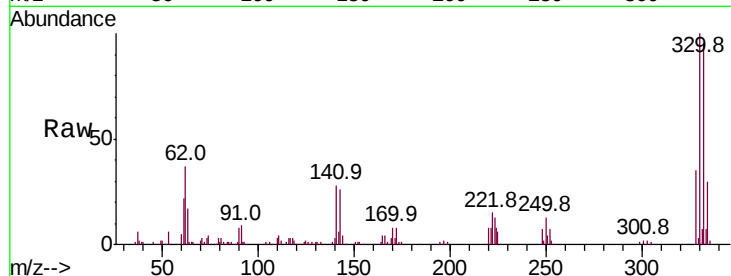




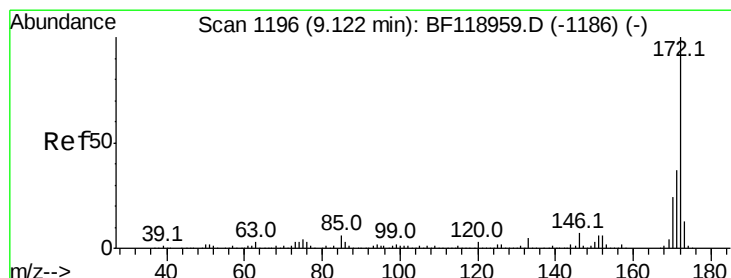
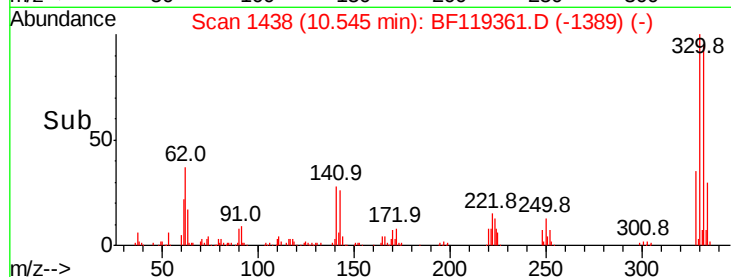
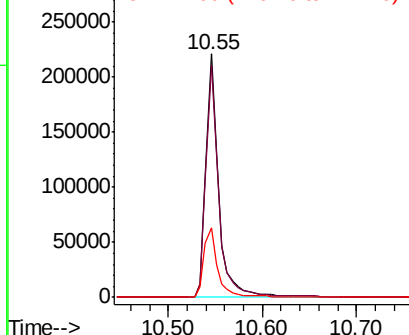
#42
 2,4,6-Tribromophenol
 Concen: 67.659 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF119361.D
 Acq: 11 Mar 2020 22:41

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.7	76.0	114.0
141	31.2	22.9	34.3

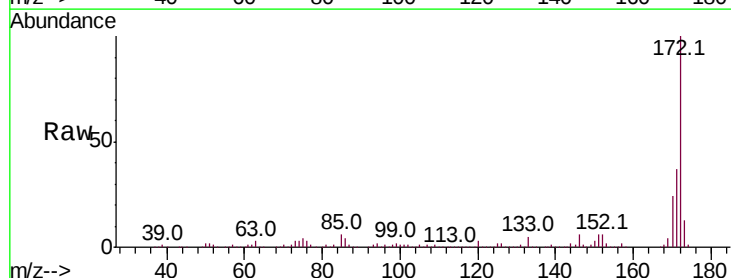


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

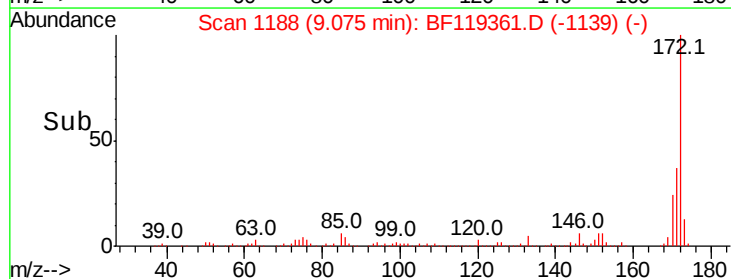
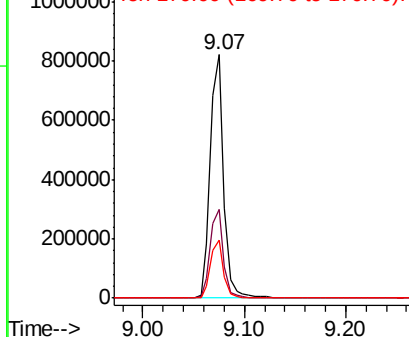


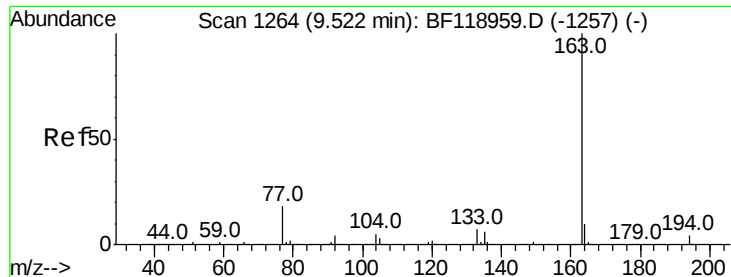
#45
 2-Fluorobiphenyl
 Concen: 46.492 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF119361.D
 Acq: 11 Mar 2020 22:41

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	30.6	45.8
170	23.8	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

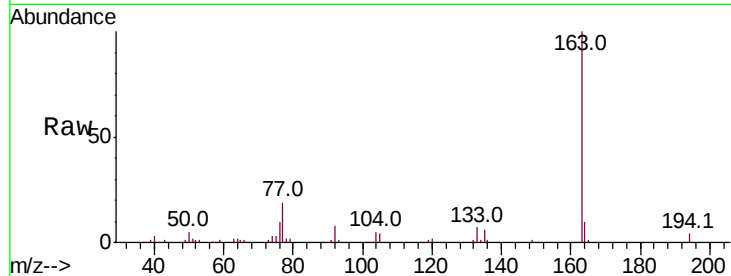




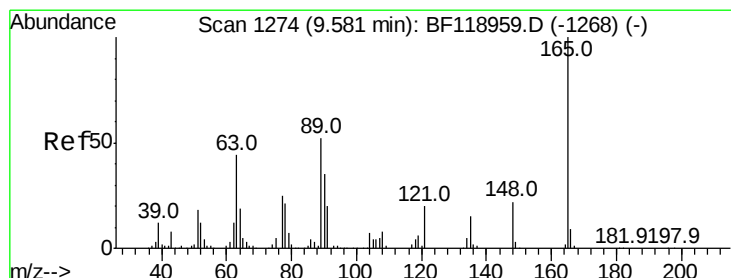
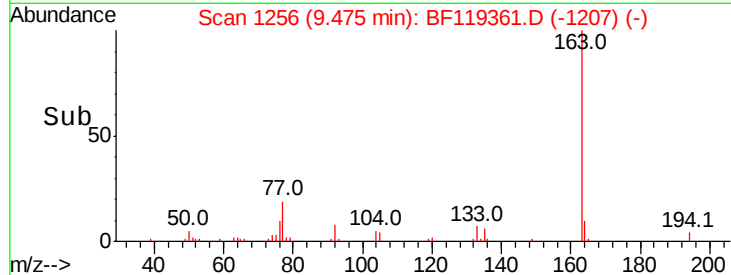
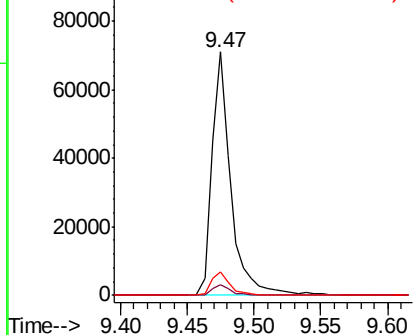
#50
Dimethylphthalate
Concen: 3.862 ng
RT: 9.47 min Scan# 1256
Delta R.T. -0.01 min
Lab File: BF119361.D
Acq: 11 Mar 2020 22:41

Instrument :
BNA_F
ClientSampled :

Tot Ion:163 Resp: 70960
Ion Ratio Lower Upper
163 100
194 4.4 3.5 5.3
164 9.6 8.4 12.6

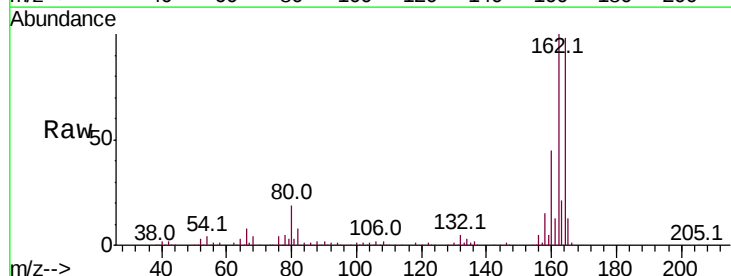


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

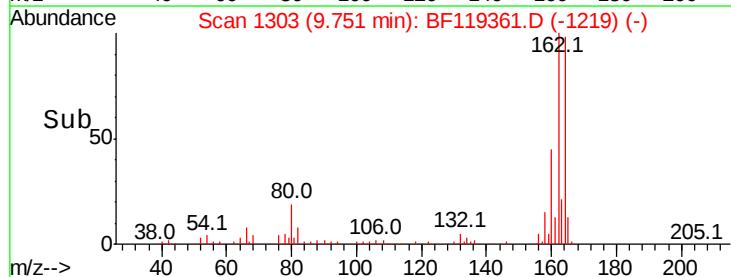
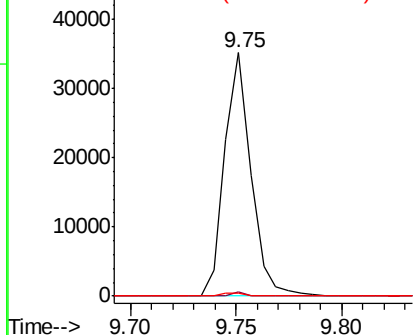


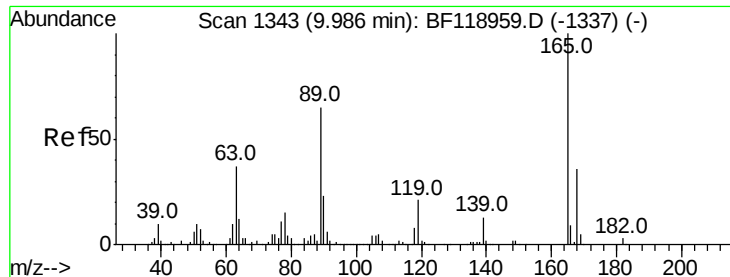
#51
2,6-Dinitrotoluene
Concen: 7.439 ng
RT: 9.75 min Scan# 1303
Delta R.T. 0.19 min
Lab File: BF119361.D
Acq: 11 Mar 2020 22:41

Tgt Ion:165 Resp: 30370
Ion Ratio Lower Upper
165 100
63 1.5 34.3 51.5#
89 1.2 38.3 57.5#



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

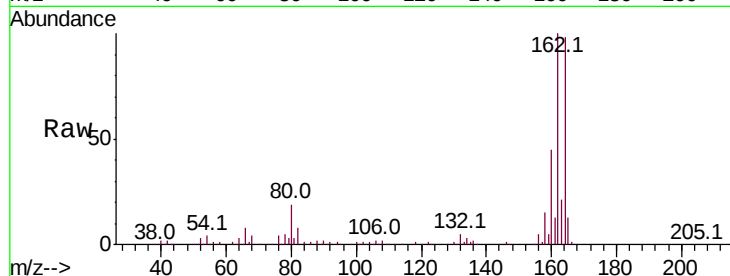




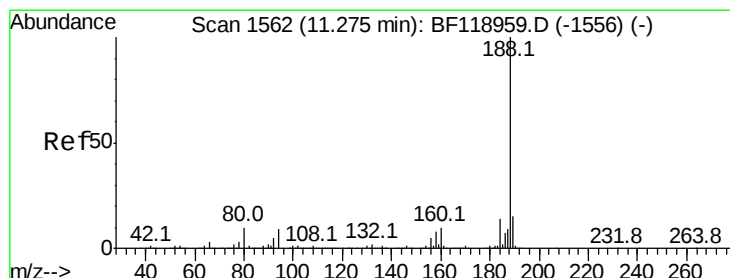
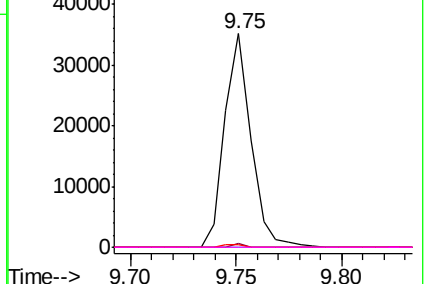
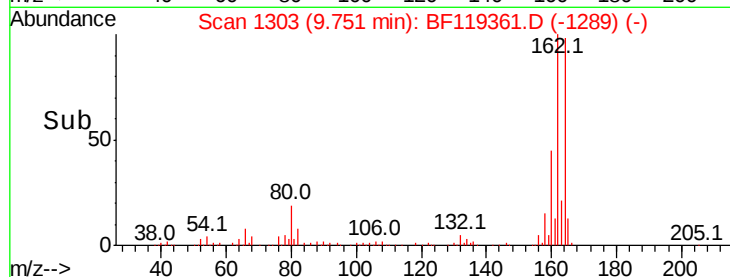
#57
 2,4-Dinitrotoluene
 Concen: 5.739 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. -0.22 min
 Lab File: BF119361.D
 Acq: 11 Mar 2020 22:41

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	42.3	63.5#
89	1.2	60.2	90.4#
182	0.0	2.3	3.5#

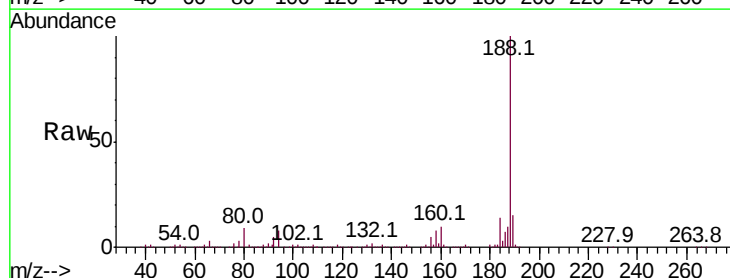


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

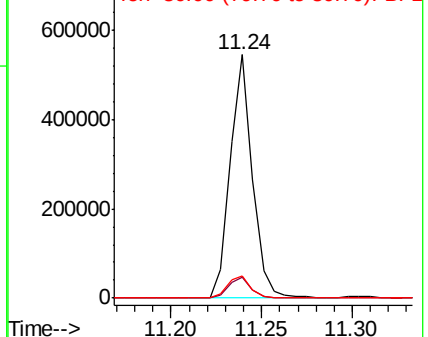
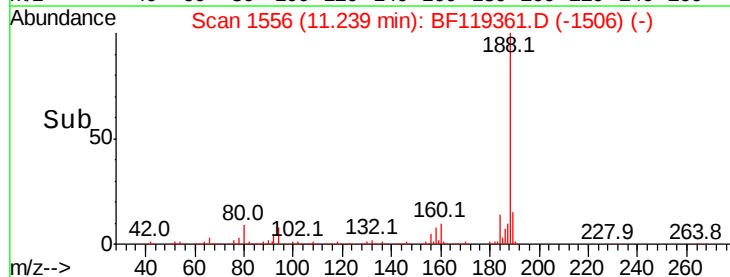


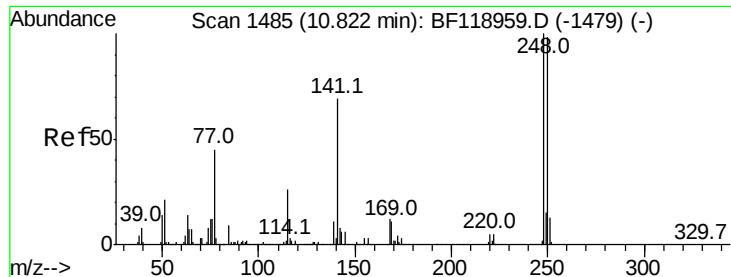
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1556
 Delta R.T. -0.01 min
 Lab File: BF119361.D
 Acq: 11 Mar 2020 22:41

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.5	7.1	10.7
80	9.1	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





#67

4-Bromophenyl-phenylether

Concen: 2.364 ng

RT: 10.55 min Scan# 1438

Delta R.T. -0.24 min

Lab File: BF119361.D

Acq: 11 Mar 2020 22:41

Instrument :

BNA_F

ClientSampled :

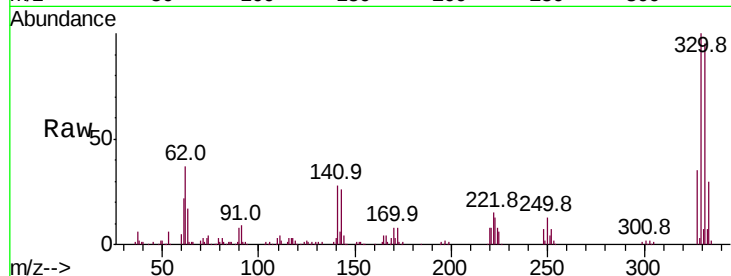
Tot Ion:248 Resp: 14447

Ion Ratio Lower Upper

248 100

250 192.8 76.7 115.1#

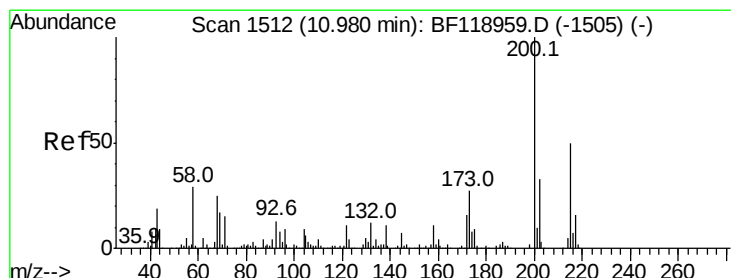
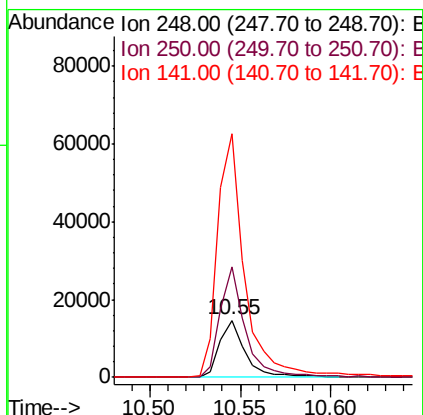
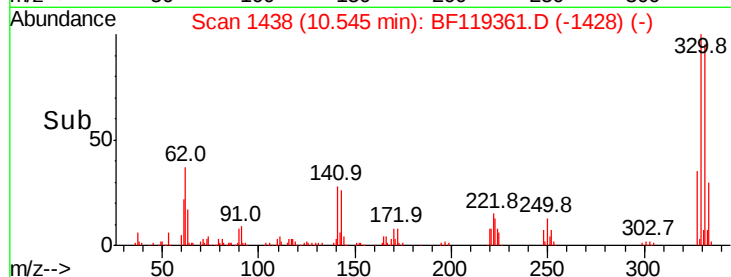
141 426.1 60.7 91.1#



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



#69

Atrazine

Concen: 5.294 ng

RT: 11.06 min Scan# 1525

Delta R.T. 0.11 min

Lab File: BF119361.D

Acq: 11 Mar 2020 22:41

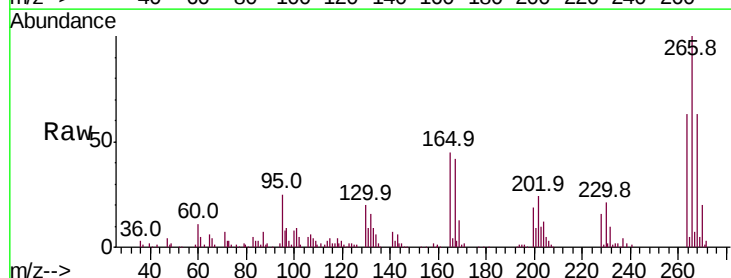
Tgt Ion:200 Resp: 28321

Ion Ratio Lower Upper

200 100

173 0.0 6.4 46.4#

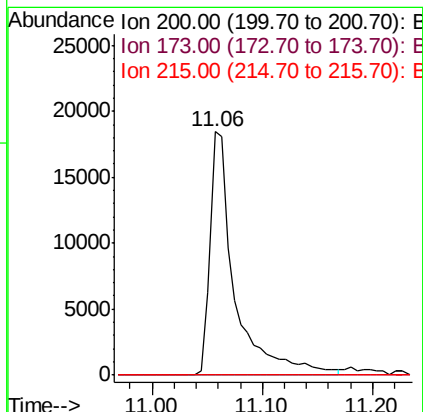
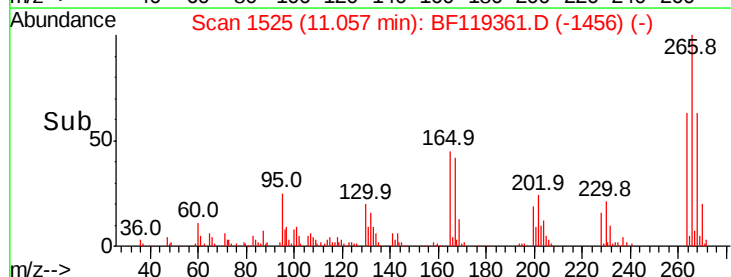
215 0.0 27.4 67.4#

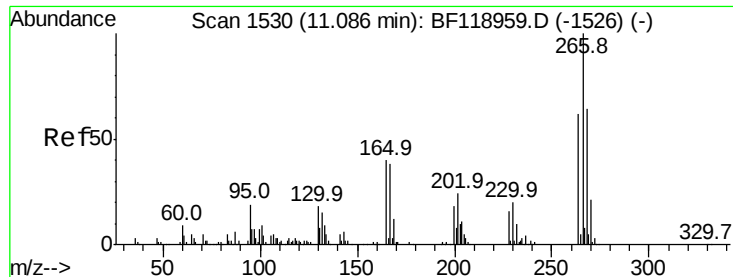


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

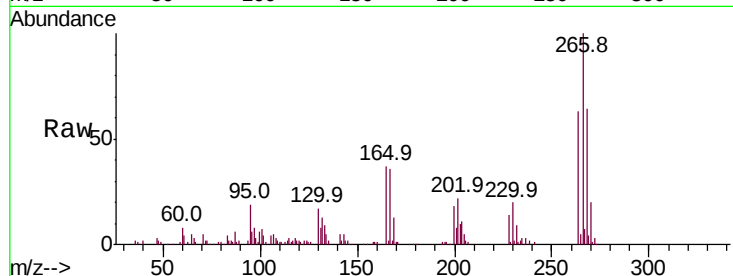




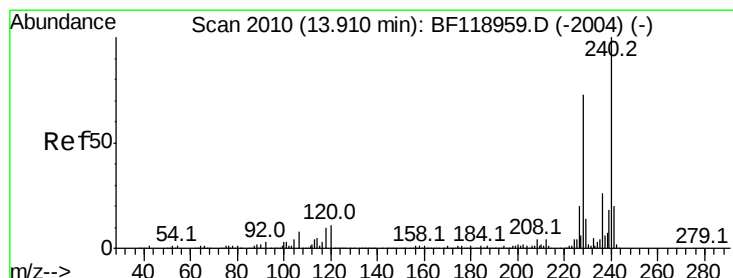
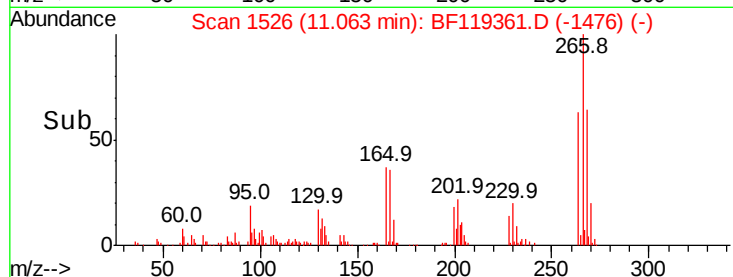
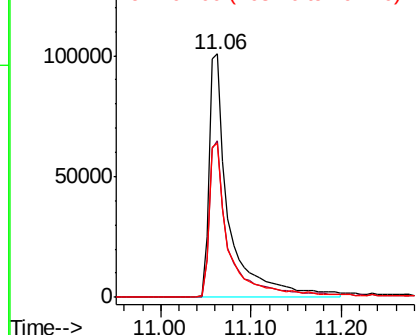
#70
 Pentachlorophenol
 Concen: 55.187 ng
 RT: 11.06 min Scan# 1526
 Delta R.T. -0.01 min
 Lab File: BF119361.D
 Acq: 11 Mar 2020 22:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
266	100		
268	64.1	51.9	77.9
264	63.1	51.0	76.4

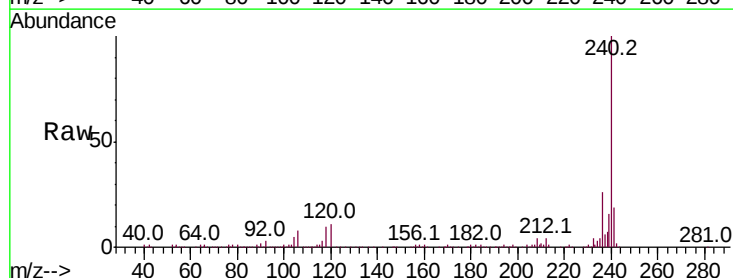


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

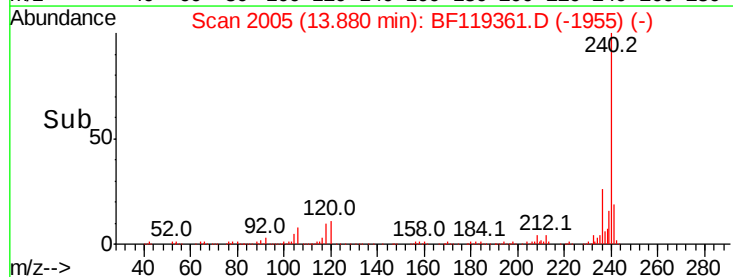
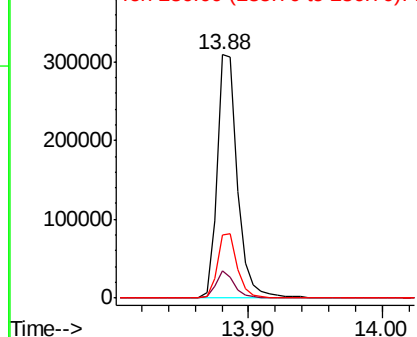


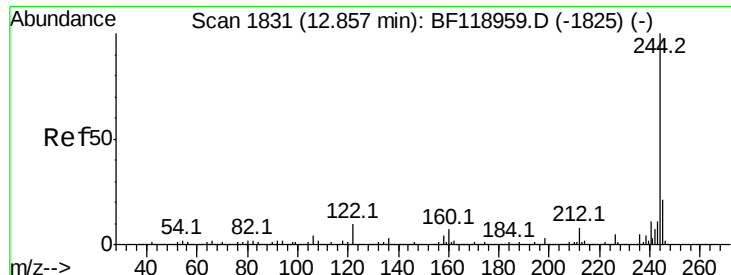
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.88 min Scan# 2005
 Delta R.T. -0.01 min
 Lab File: BF119361.D
 Acq: 11 Mar 2020 22:41

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.1	8.4	12.6
236	26.1	21.0	31.4



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





#79

Terphenyl-d14

Concen: 55.029 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF119361.D

Acq: 11 Mar 2020 22:41

Instrument :

BNA_F

ClientSampleId :

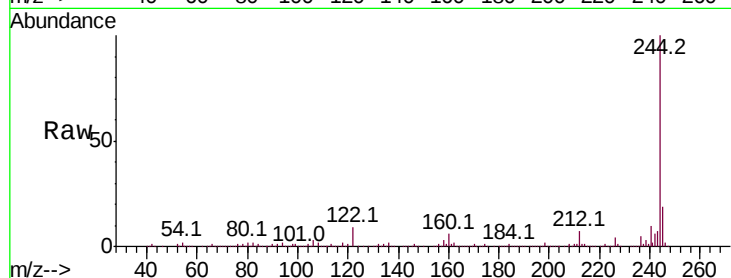
Tot Ion:244 Resp: 1062456

Ion Ratio Lower Upper

244 100

212 7.0 6.6 10.0

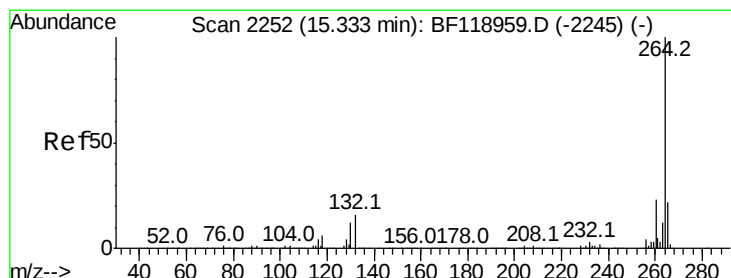
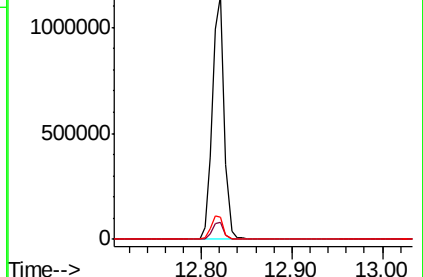
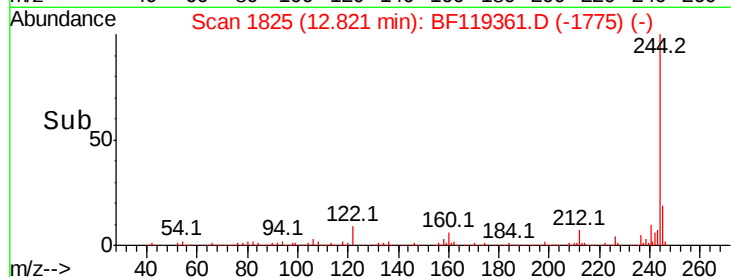
122 8.9 8.2 12.2



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.32 min Scan# 2249

Delta R.T. 0.01 min

Lab File: BF119361.D

Acq: 11 Mar 2020 22:41

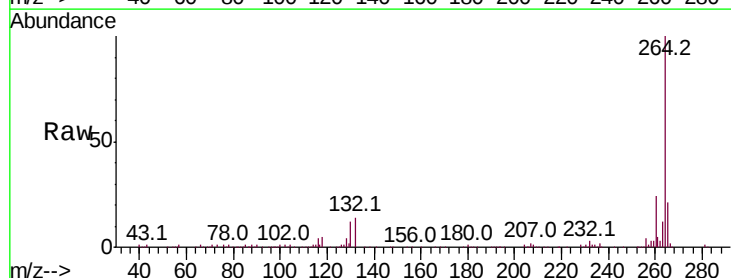
Tgt Ion:264 Resp: 309161

Ion Ratio Lower Upper

264 100

260 23.8 19.4 29.2

265 21.1 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

