

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042320\
 Data File : BF120166.D
 Acq On : 23 Apr 2020 16:30
 Operator : MA/SJ
 Sample : L2330-21
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WB-TWP-4

Quant Time: Apr 23 17:03:49 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 23 13:31:01 2020
 Response via : Initial Calibration

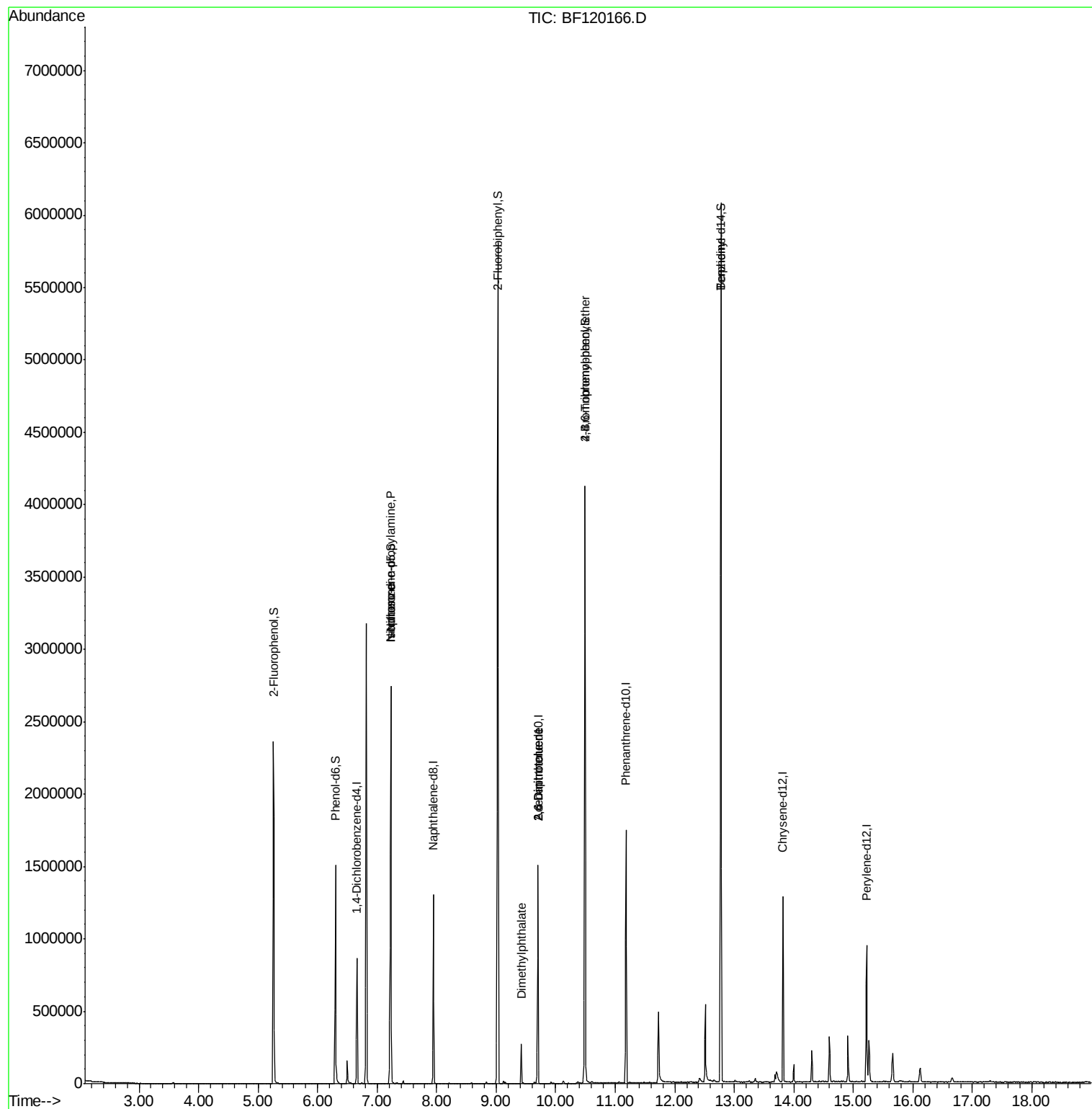
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	137137	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	534067	20.00	ng	0.00
39) Acenaphthene-d10	9.70	164	283251	20.00	ng	0.00
64) Phenanthrene-d10	11.18	188	599929	20.00	ng	0.00
76) Chrysene-d12	13.82	240	462121	20.00	ng	0.00
87) Perylene-d12	15.22	264	392522	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	604181	76.14	ng	0.00
7) Phenol-d6	6.30	99	511638	50.04	ng	-0.01
23) Nitrobenzene-d5	7.23	82	1000440	96.91	ng	0.00
42) 2,4,6-Tribromophenol	10.49	330	499300	143.98	ng	0.00
45) 2-Fluorobiphenyl	9.03	172	1913144	95.90	ng	0.00
79) Terphenyl-d14	12.78	244	2435084	88.67	ng	0.00
Target Compounds						
9) Benzaldehyde	6.30	77	598	Below Cal	Qvalue	# 1
19) n-Nitroso-di-n-propylamine	7.23	70	131077	19.935 ng	#	76
25) Isophorone	7.23	82	986523	49.573 ng	#	65
50) Dimethylphthalate	9.42	163	109228	4.986 ng	#	99
51) 2,6-Dinitrotoluene	9.70	165	35985	7.500 ng	#	26
57) 2,4-Dinitrotoluene	9.70	165	35985	5.693 ng	#	20
67) 4-Bromophenyl-phenylether	10.49	248	30904	4.142 ng	#	1
77) Benzidine	12.78	184	31481	2.015 ng	#	94

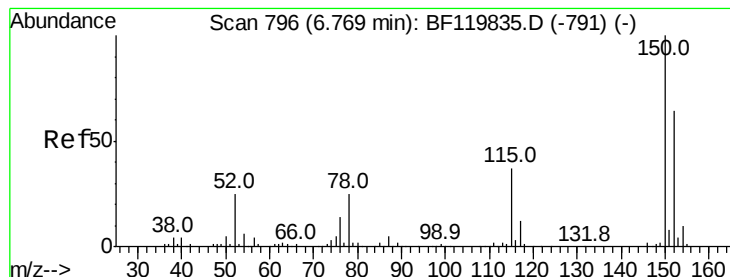
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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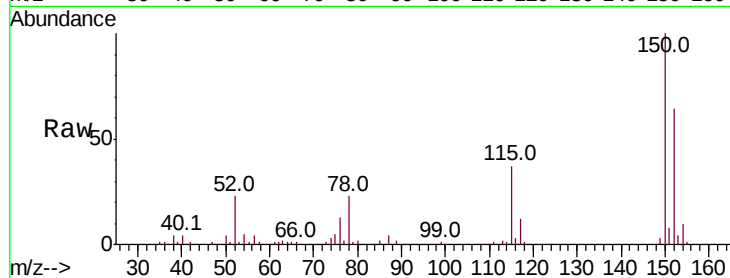


#1

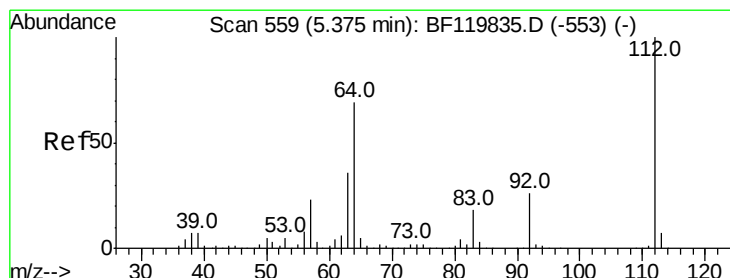
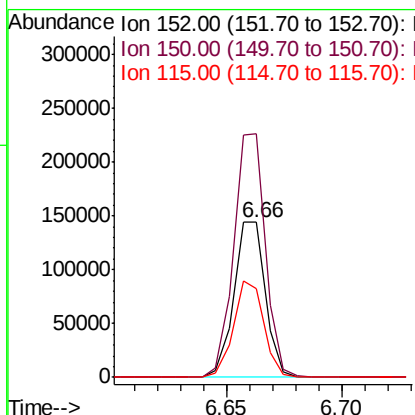
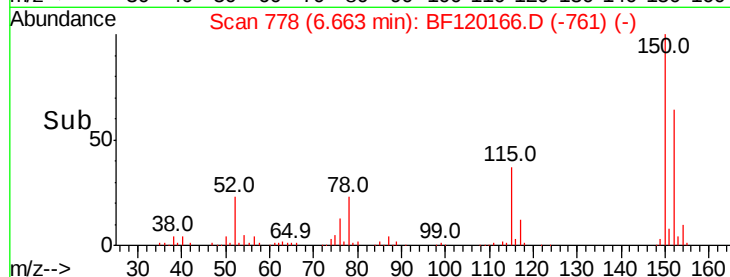
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.66 min Scan# 778
 Delta R.T. -0.00 min
 Lab File: BF120166.D
 Acq: 23 Apr 2020 16:30

Instrument :
 BNA_F
 ClientSampleId :
 WB-TWP-4

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.1	124.5	186.7
115	57.5	49.6	74.4



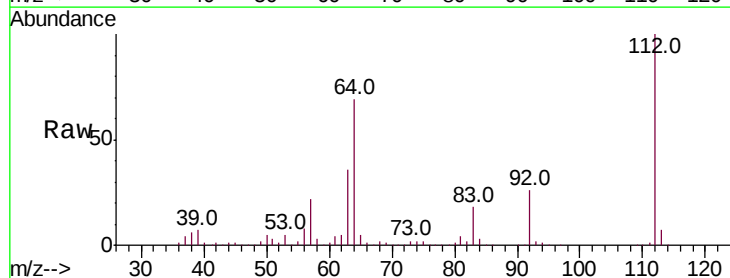
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



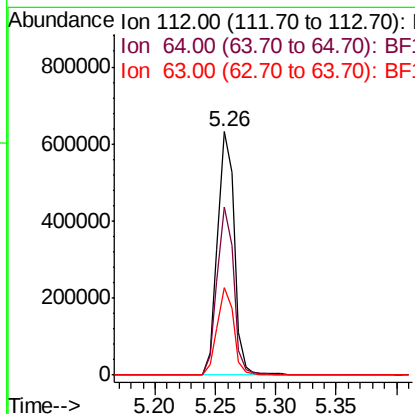
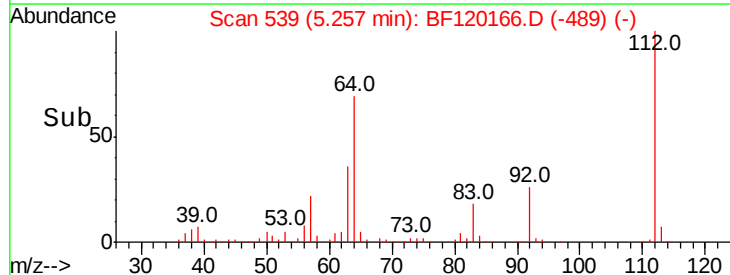
#5

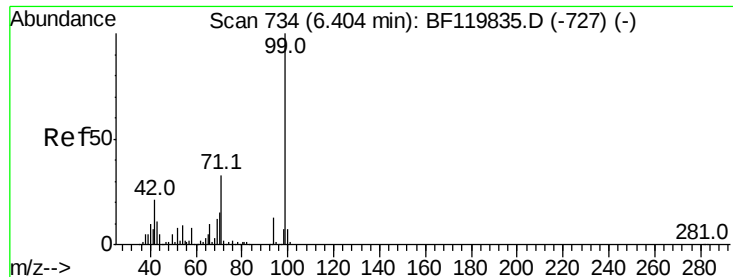
2-Fluorophenol
 Concen: 76.138 ng
 RT: 5.26 min Scan# 539
 Delta R.T. -0.01 min
 Lab File: BF120166.D
 Acq: 23 Apr 2020 16:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.8	56.7	85.1
63	36.0	29.5	44.3



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: 50.038 ng

RT: 6.30 min Scan# 716

Delta R.T. -0.01 min

Lab File: BF120166.D

Acq: 23 Apr 2020 16:30

Instrument :

BNA_F

ClientSampleId :

WB-TWP-4

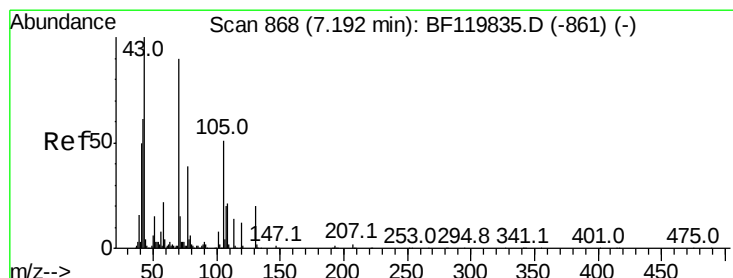
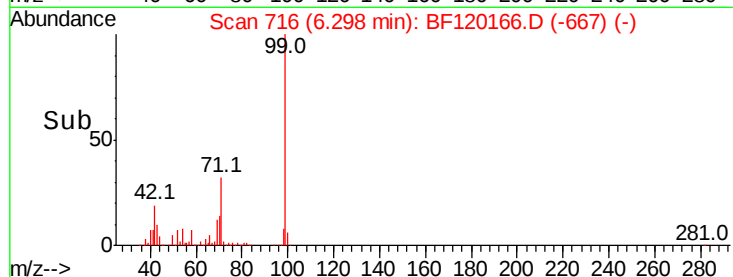
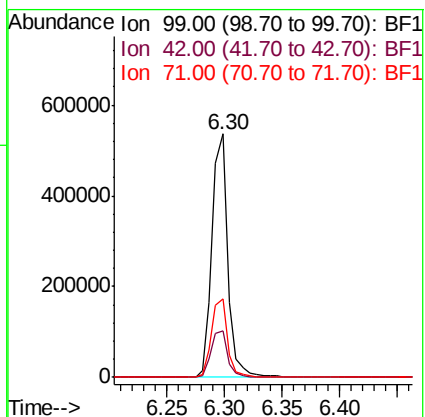
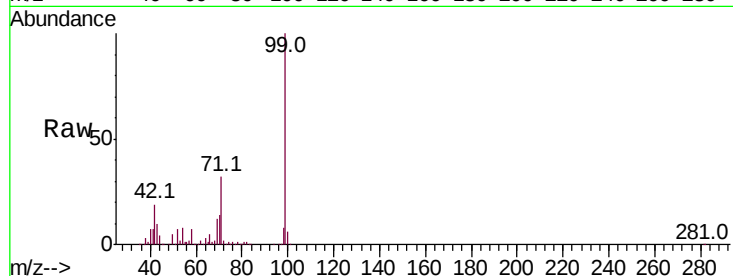
Tot Ion: 99 Resp: 511638

Ion Ratio Lower Upper

99 100

42 18.9 16.6 24.8

71 32.2 26.4 39.6



#19

n-Nitroso-di-n-propylamine

Concen: 19.935 ng

RT: 7.23 min Scan# 875

Delta R.T. 0.14 min

Lab File: BF120166.D

Acq: 23 Apr 2020 16:30

Tgt Ion: 70 Resp: 131077

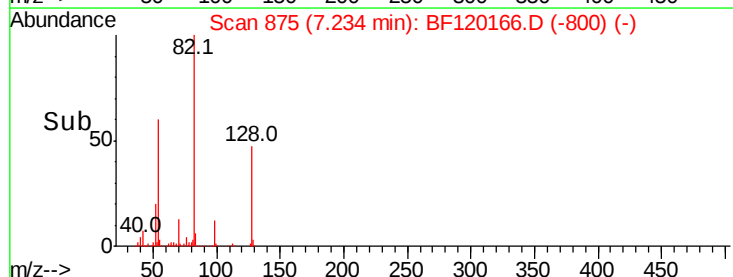
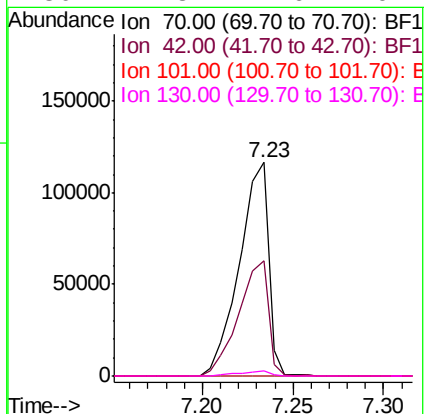
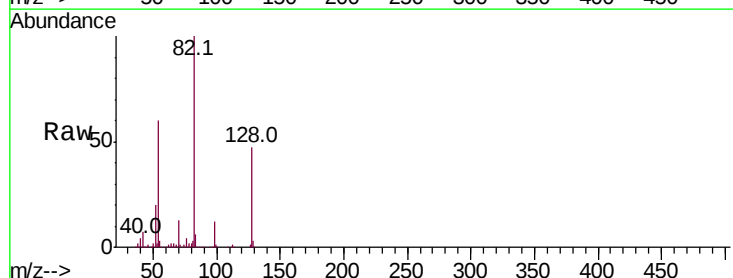
Ion Ratio Lower Upper

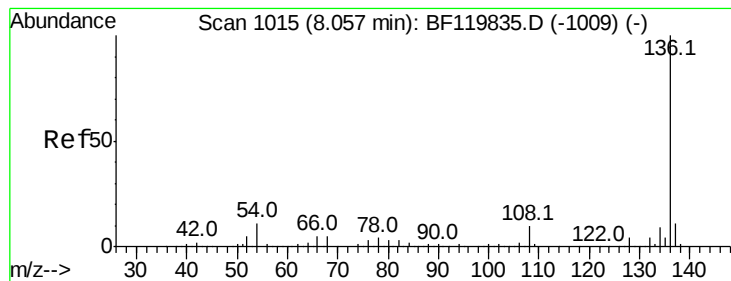
70 100

42 53.7 54.5 81.7#

101 0.0 7.6 11.4#

130 2.3 17.6 26.4#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.95 min Scan# 996

Delta R.T. -0.01 min

Lab File: BF120166.D

Acq: 23 Apr 2020 16:30

Instrument :

BNA_F

ClientSampleId :

WB-TWP-4

Tot Ion:136 Resp: 534067

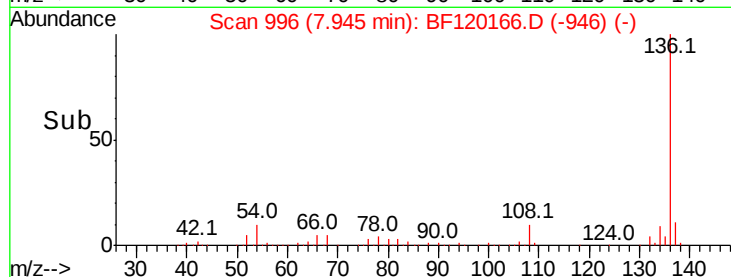
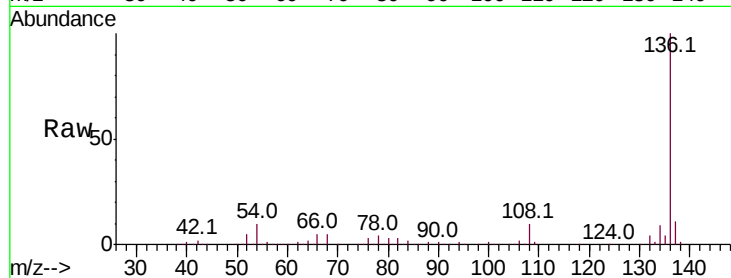
Ion Ratio Lower Upper

136 100

137 10.5 8.7 13.1

54 9.8 9.1 13.7

68 5.4 4.6 6.8

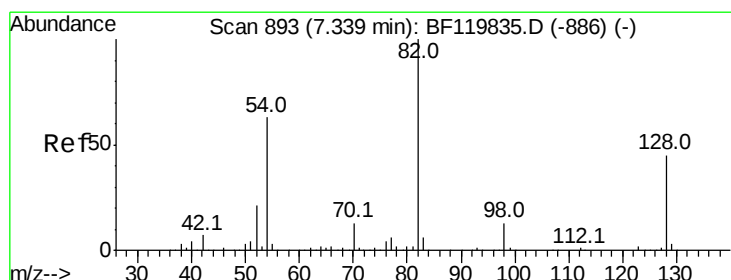
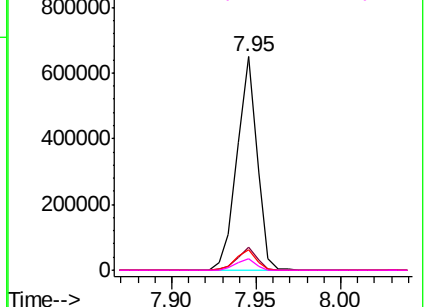


Abundance Ion 136.00 (135.70 to 136.70): E

1000000 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: 96.910 ng

RT: 7.23 min Scan# 875

Delta R.T. -0.01 min

Lab File: BF120166.D

Acq: 23 Apr 2020 16:30

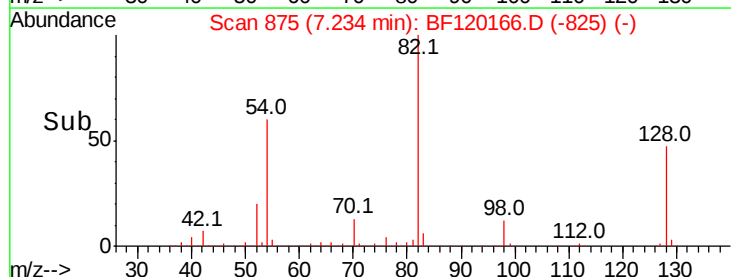
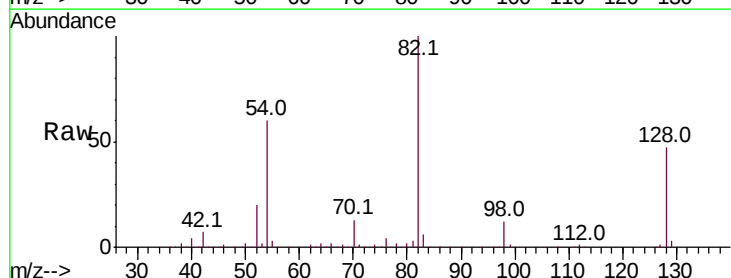
Tgt Ion: 82 Resp: 1000440

Ion Ratio Lower Upper

82 100

128 47.0 36.3 54.5

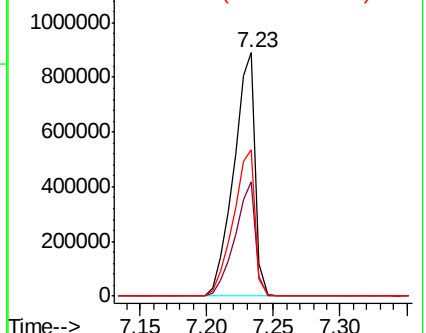
54 60.1 50.6 75.8



Abundance Ion 82.00 (81.70 to 82.70): BF1

1200000 Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 49.573 ng

RT: 7.23 min Scan# 875

Delta R.T. -0.26 min

Lab File: BF120166.D

Acq: 23 Apr 2020 16:30

Instrument :

BNA_F

ClientSampleId :

WB-TWP-4

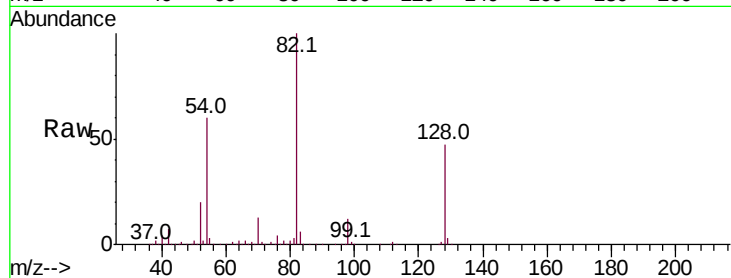
Tot Ion: 82 Resp: 986523

Ion Ratio Lower Upper

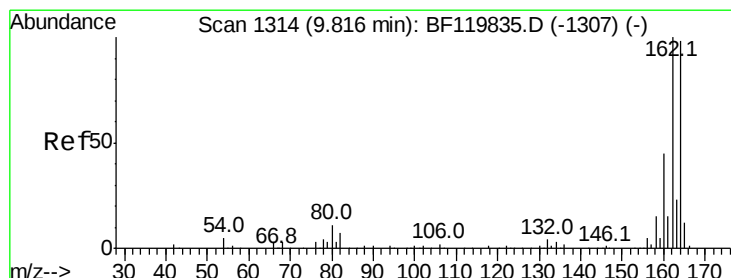
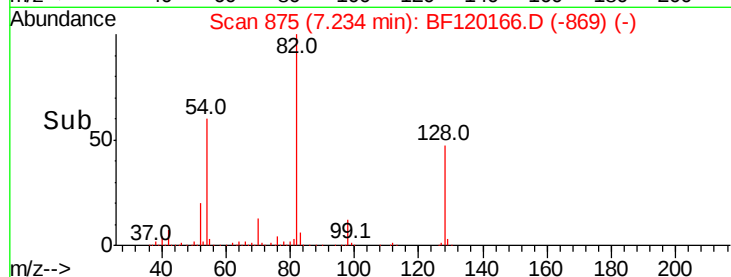
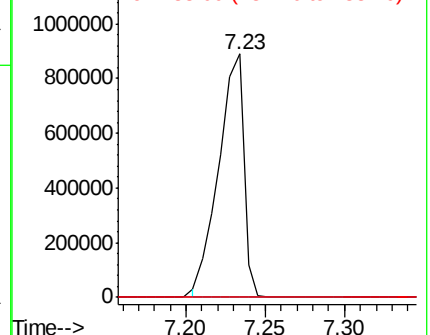
82 100

95 0.0 5.8 8.6#

138 0.0 14.6 21.8#



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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.70 min Scan# 1294

Delta R.T. -0.01 min

Lab File: BF120166.D

Acq: 23 Apr 2020 16:30

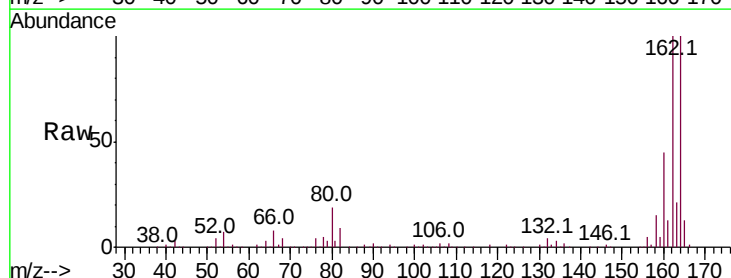
Tgt Ion:164 Resp: 283251

Ion Ratio Lower Upper

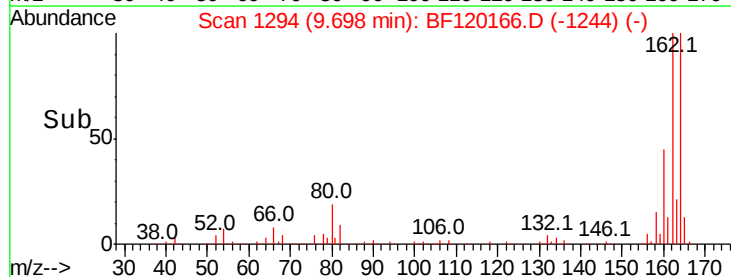
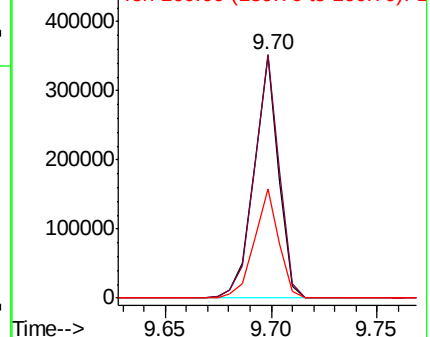
164 100

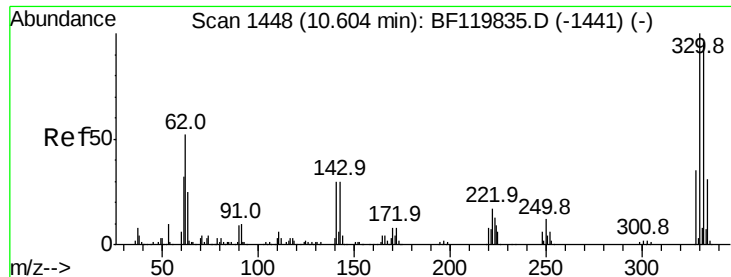
162 100.4 80.6 121.0

160 44.8 35.7 53.5



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

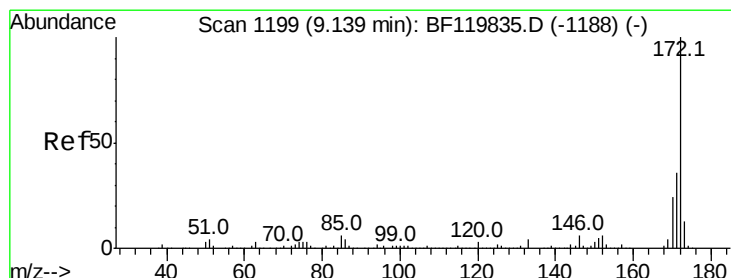
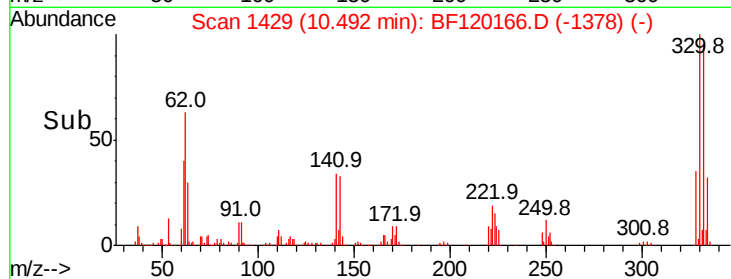
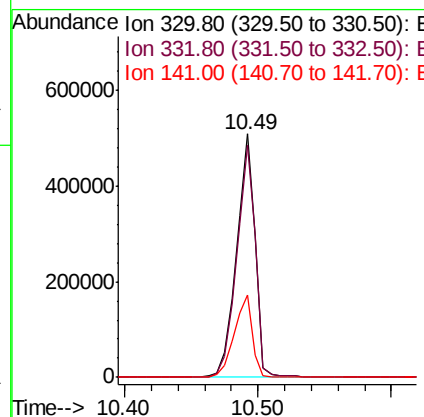
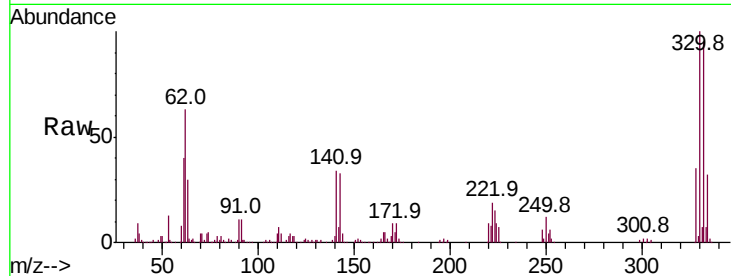




#42
 2,4,6-Tribromophenol
 Concen: 143.975 ng
 RT: 10.49 min Scan# 1429
 Delta R.T. -0.00 min
 Lab File: BF120166.D
 Acq: 23 Apr 2020 16:30

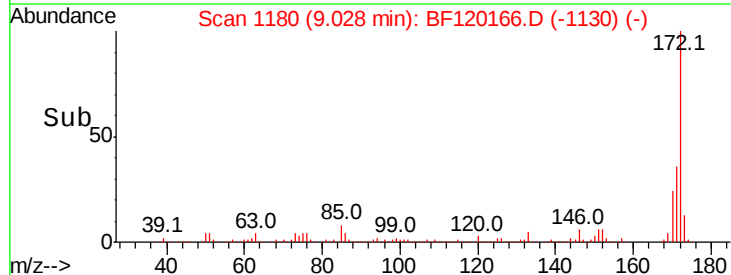
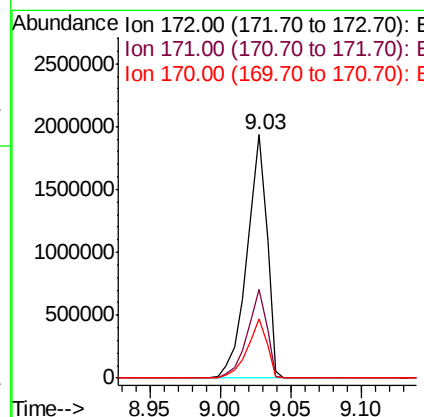
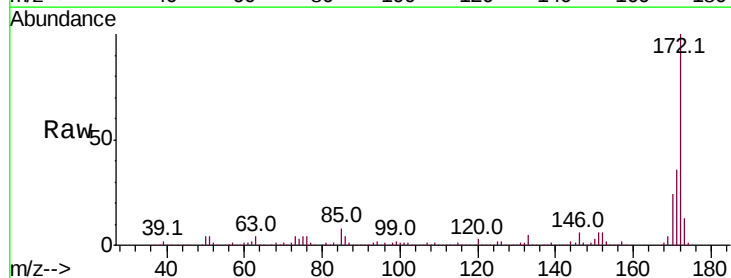
Instrument :
 BNA_F
 ClientSampleId :
 WB-TWP-4

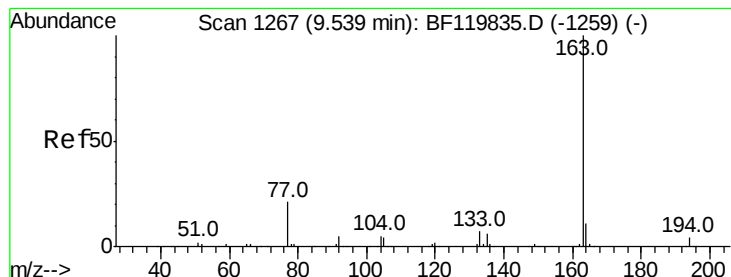
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	75.7	113.5
141	33.7	25.4	38.0



#45
 2-Fluorobiphenyl
 Concen: 95.895 ng
 RT: 9.03 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: BF120166.D
 Acq: 23 Apr 2020 16:30

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.6	44.4
170	24.2	20.2	30.2





#50

Dimethylphthalate

Concen: 4.986 ng

RT: 9.42 min Scan# 1247

Delta R.T. -0.02 min

Lab File: BF120166.D

Acq: 23 Apr 2020 16:30

Instrument :

BNA_F

ClientSampleId :

WB-TWP-4

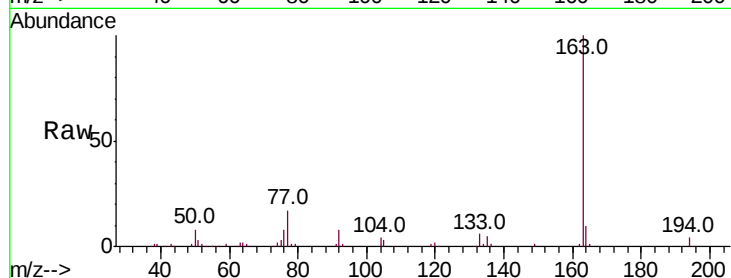
Tot Ion:163 Resp: 109228

Ion Ratio Lower Upper

163 100

194 3.8 3.1 4.7

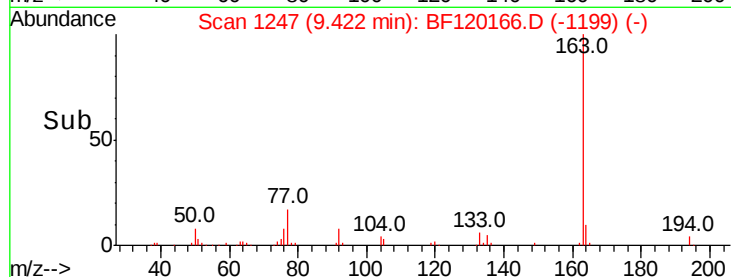
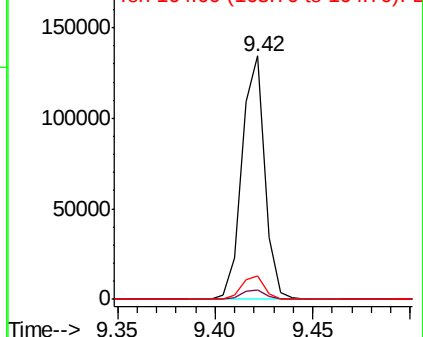
164 9.7 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51

2,6-Dinitrotoluene

Concen: 7.500 ng

RT: 9.70 min Scan# 1294

Delta R.T. 0.20 min

Lab File: BF120166.D

Acq: 23 Apr 2020 16:30

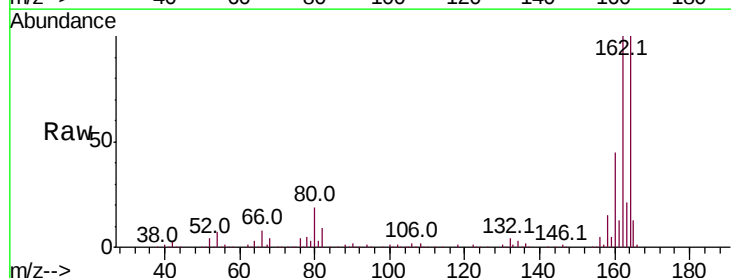
Tgt Ion:165 Resp: 35985

Ion Ratio Lower Upper

165 100

63 1.2 45.0 67.4#

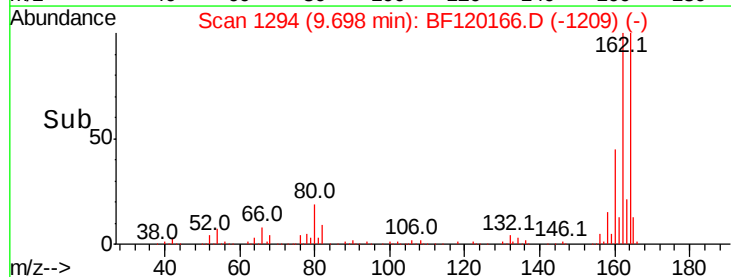
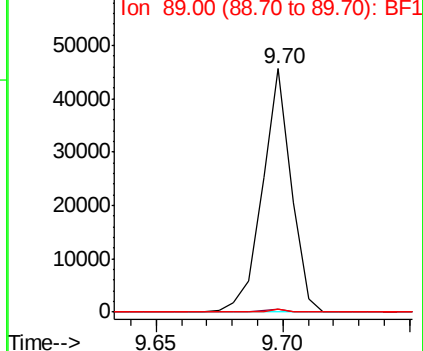
89 1.1 41.5 62.3#

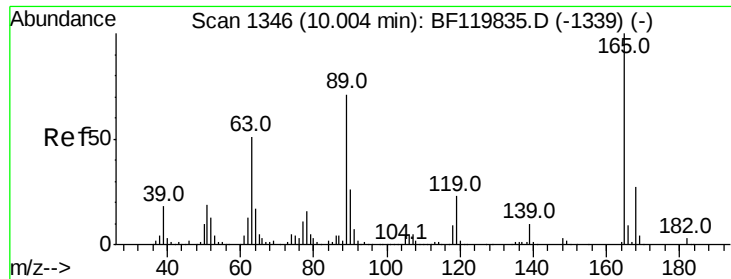


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

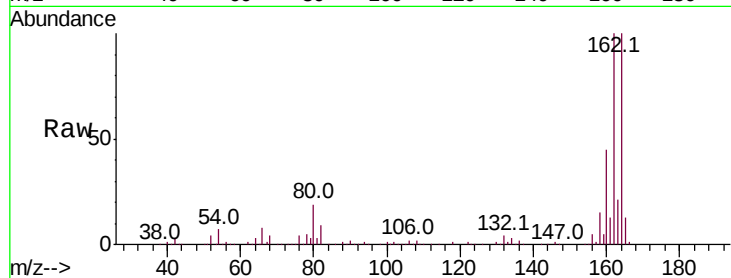




#57
 2,4-Dinitrotoluene
 Concen: 5.693 ng
 RT: 9.70 min Scan# 1294
 Delta R.T. -0.21 min
 Lab File: BF120166.D
 Acq: 23 Apr 2020 16:30

Instrument :
 BNA_F
 ClientSampleId :
 WB-TWP-4

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	42.6	64.0#
89	1.1	61.0	91.4#
182	0.0	2.2	3.2#

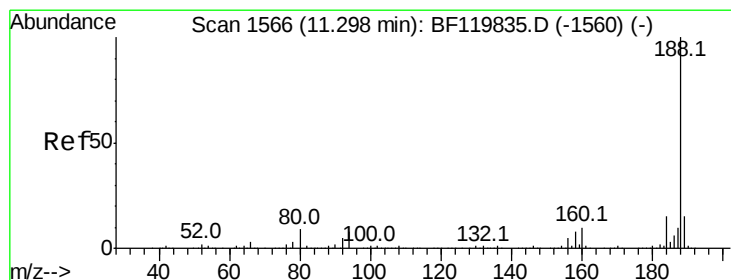
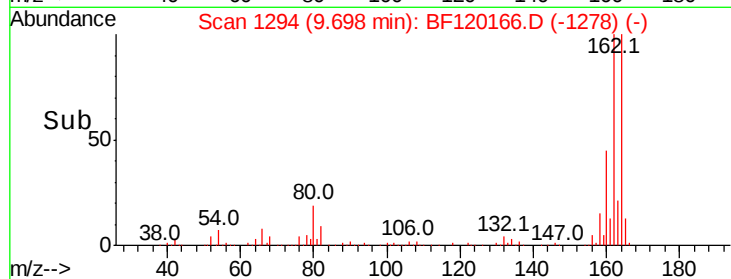
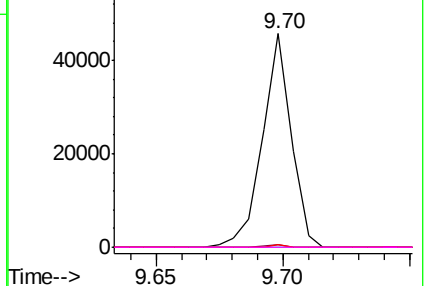


Abundance Ion 165.00 (164.70 to 165.70): E

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



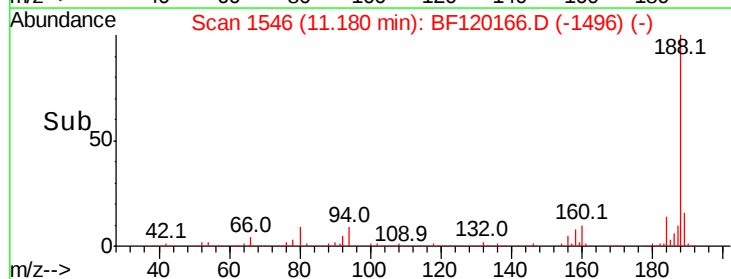
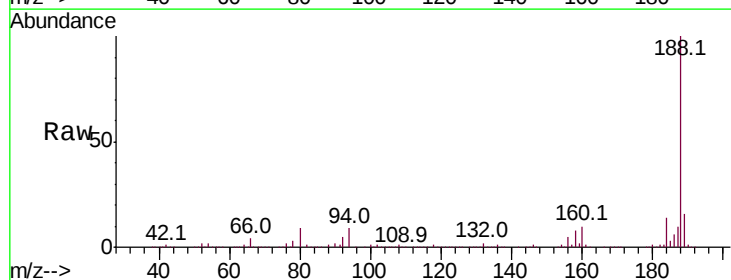
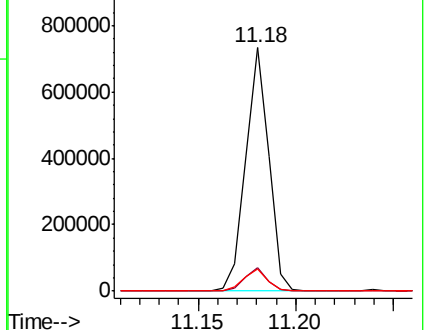
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.18 min Scan# 1546
 Delta R.T. -0.01 min
 Lab File: BF120166.D
 Acq: 23 Apr 2020 16:30

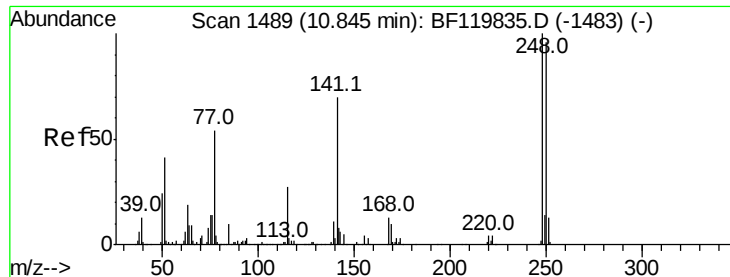
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.5	7.5	11.3
80	9.4	9.0	13.4

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

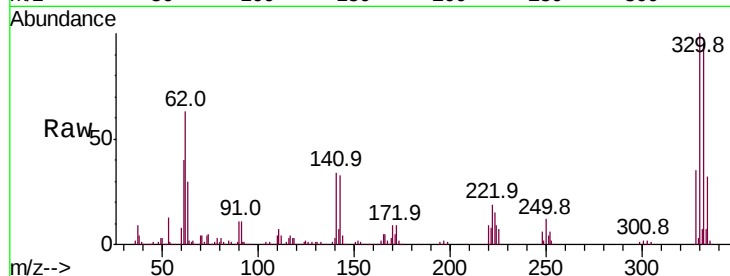




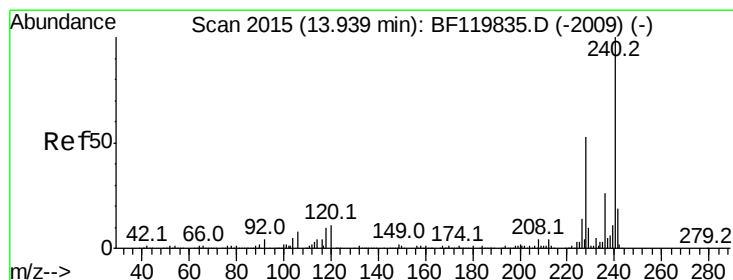
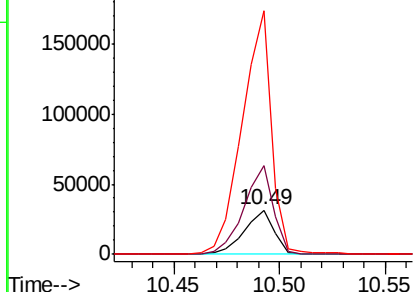
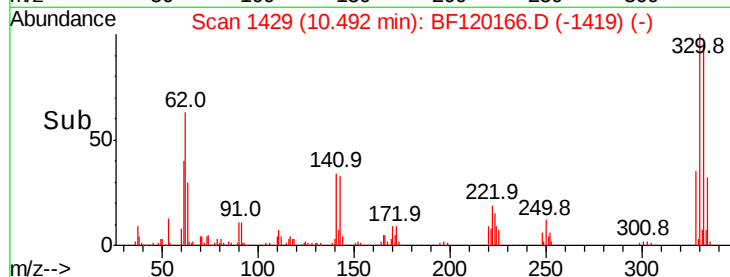
#67
 4-Bromophenyl-phenylether
 Concen: 4.142 ng
 RT: 10.49 min Scan# 1429
 Delta R.T. -0.24 min
 Lab File: BF120166.D
 Acq: 23 Apr 2020 16:30

Instrument :
 BNA_F
 ClientSampleId :
 WB-TWP-4

Tot Ion:248 Resp: 30904
 Ion Ratio Lower Upper
 248 100
 250 201.5 77.3 115.9#
 141 553.2 58.6 87.8#

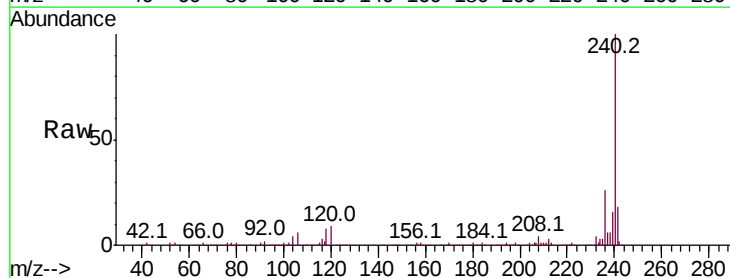


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

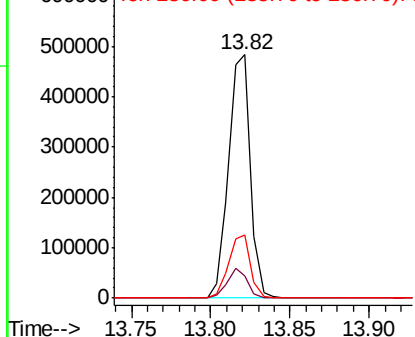
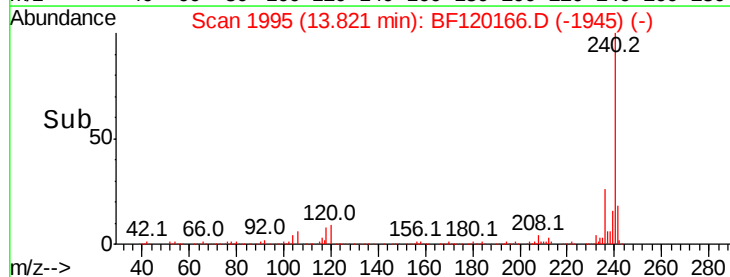


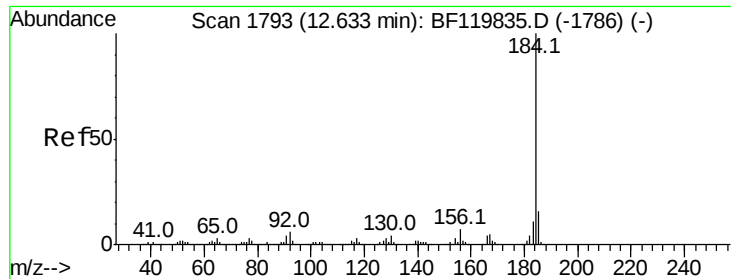
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.82 min Scan# 1995
 Delta R.T. -0.01 min
 Lab File: BF120166.D
 Acq: 23 Apr 2020 16:30

Tgt Ion:240 Resp: 462121
 Ion Ratio Lower Upper
 240 100
 120 8.9 10.6 15.8#
 236 25.8 20.2 30.2



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: 2.015 ng

RT: 12.78 min Scan# 1818

Delta R.T. 0.26 min

Lab File: BF120166.D

Acq: 23 Apr 2020 16:30

Instrument :

BNA_F

ClientSampleId :

WB-TWP-4

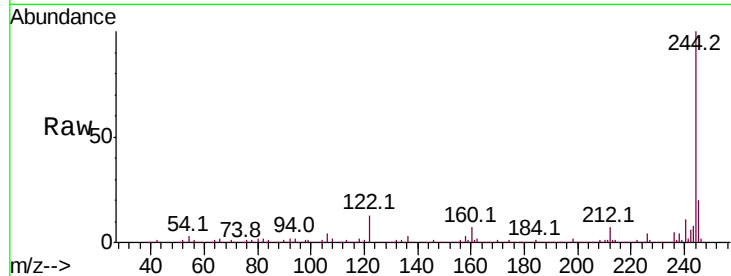
Tot Ion:184 Resp: 31481

Ion Ratio Lower Upper

184 100

185 16.6 12.3 18.5

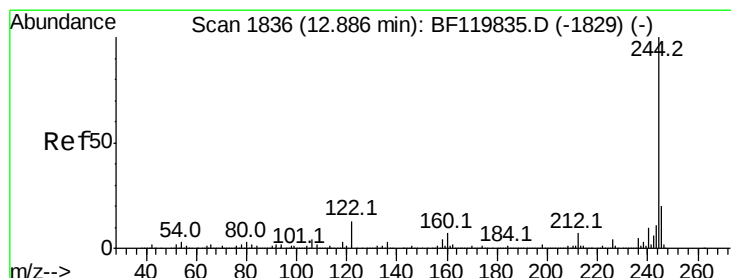
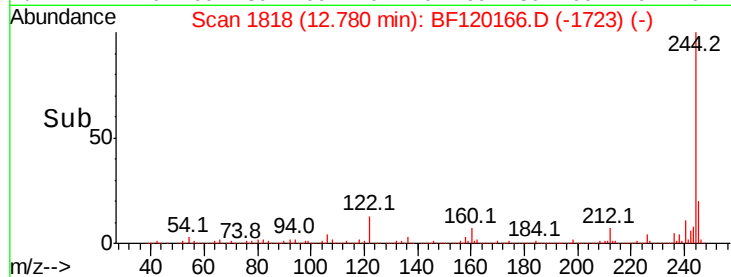
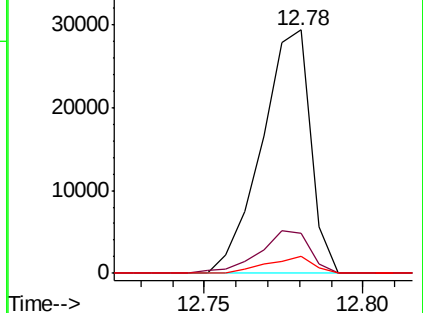
183 6.9 9.0 13.6#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 88.665 ng

RT: 12.78 min Scan# 1818

Delta R.T. 0.01 min

Lab File: BF120166.D

Acq: 23 Apr 2020 16:30

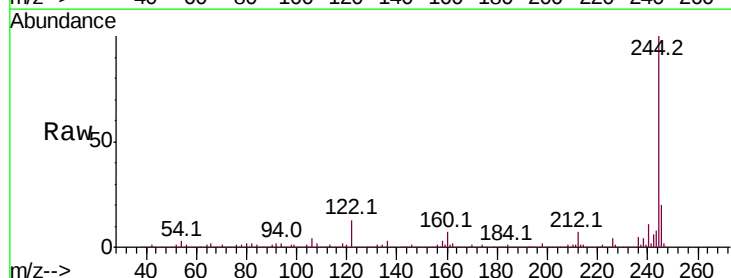
Tgt Ion:244 Resp: 2435084

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

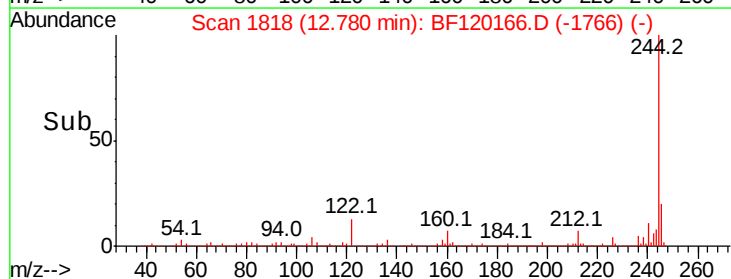
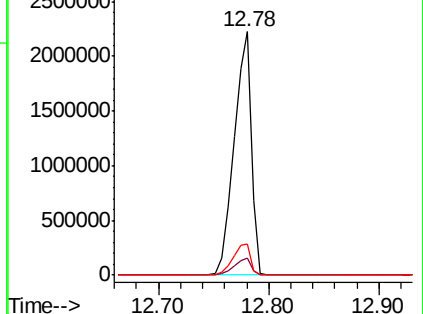
122 12.8 10.3 15.5

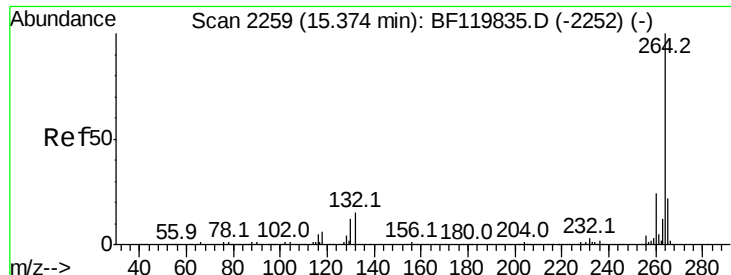


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.22 min Scan# 2233
 Delta R.T. -0.01 min
 Lab File: BF120166.D
 Acq: 23 Apr 2020 16:30

Instrument :
 BNA_F
 ClientSampleId :
 WB-TWP-4

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.7	28.1
265	21.3	17.7	26.5

