

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022420\
 Data File : BF119046.D
 Acq On : 25 Feb 2020 3:21
 Operator : CG/JU
 Sample : L1635-14
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 25 06:45:04 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 20 17:40:17 2020
 Response via : Initial Calibration

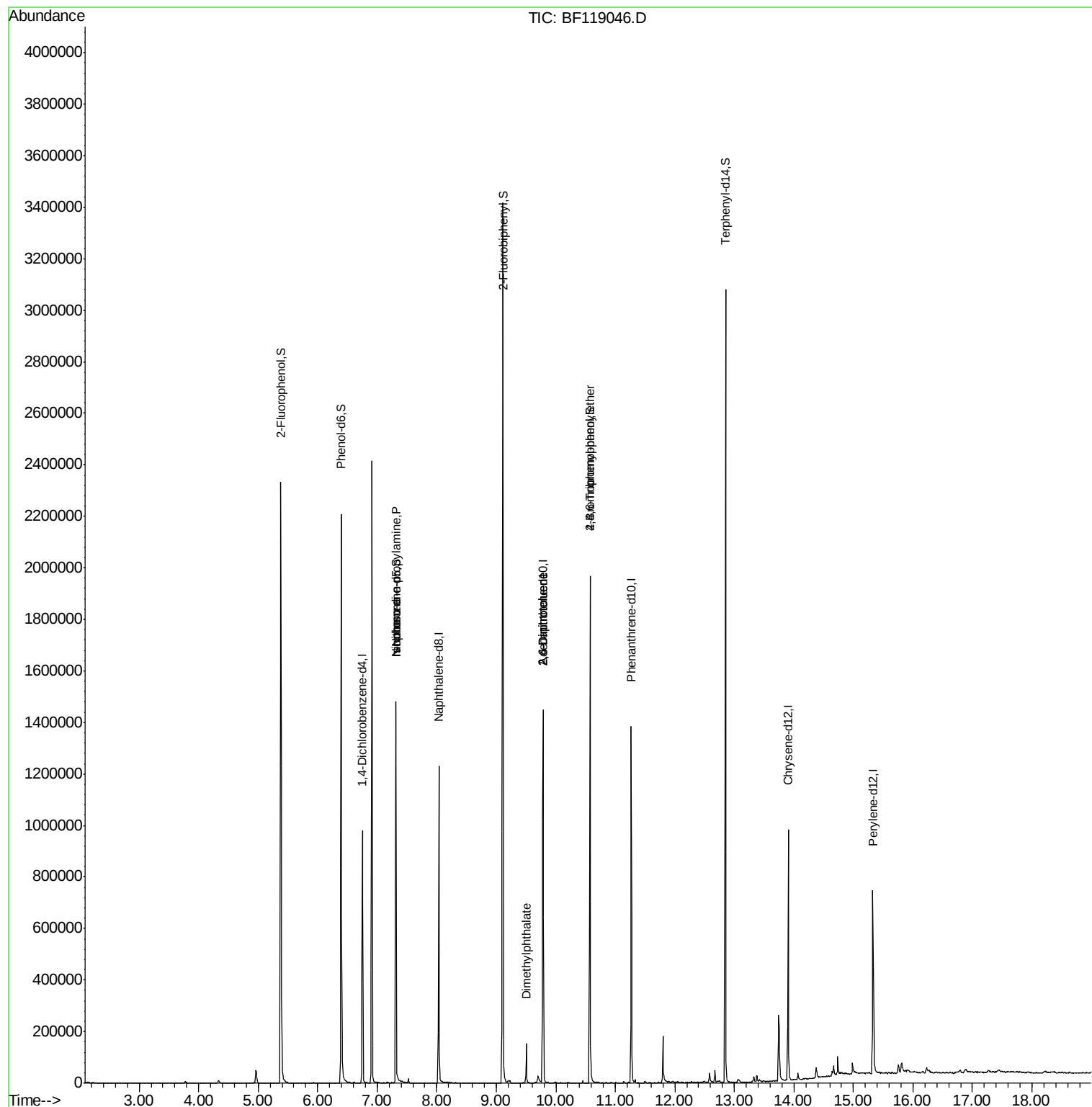
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	145543	20.00	ng	-0.01
21) Naphthalene-d8	8.03	136	563928	20.00	ng	-0.01
39) Acenaphthene-d10	9.79	164	296726	20.00	ng	0.00
64) Phenanthrene-d10	11.27	188	504867	20.00	ng	0.00
76) Chrysene-d12	13.90	240	318901	20.00	ng	0.00
87) Perylene-d12	15.33	264	354144	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	682120	78.32	ng	0.00
7) Phenol-d6	6.40	99	823345	77.73	ng	0.00
23) Nitrobenzene-d5	7.32	82	540489	50.61	ng	-0.01
42) 2,4,6-Tribromophenol	10.57	330	270356	69.65	ng	0.00
45) 2-Fluorobiphenyl	9.11	172	1097910	54.51	ng	-0.01
79) Terphenyl-d14	12.85	244	1112722	60.07	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.32	70	73505	11.910	ng	# 75
25) Isophorone	7.32	82	540481	29.138	ng	# 63
50) Dimethylphthalate	9.50	163	68535	3.020	ng	# 99
51) 2,6-Dinitrotoluene	9.79	165	38591	7.655	ng	# 30
57) 2,4-Dinitrotoluene	9.79	165	38591	5.906	ng	# 28
67) 4-Bromophenyl-phenylether	10.57	248	17502	2.652	ng	# 1

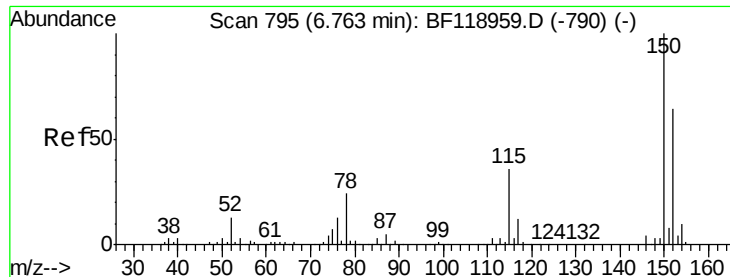
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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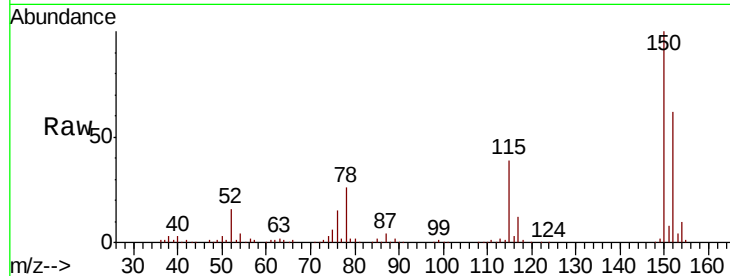


#1

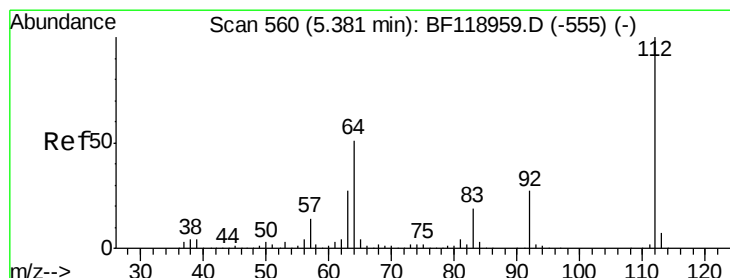
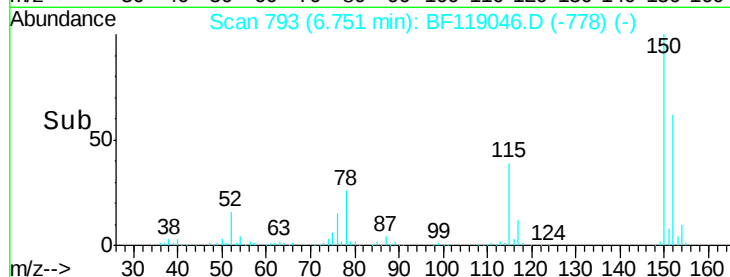
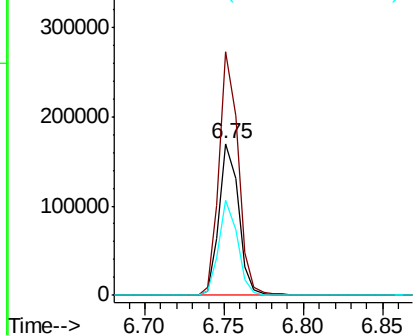
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF119046.D
Acq: 25 Feb 2020 3:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.5	124.3	186.5
115	62.7	44.6	67.0



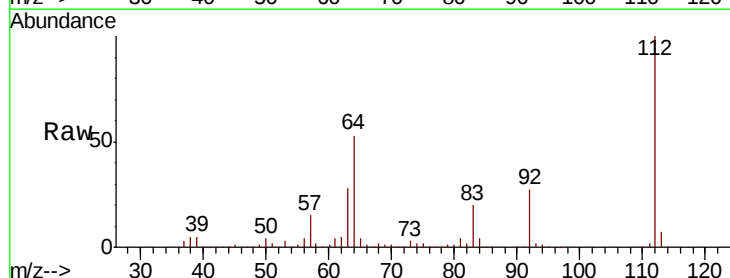
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



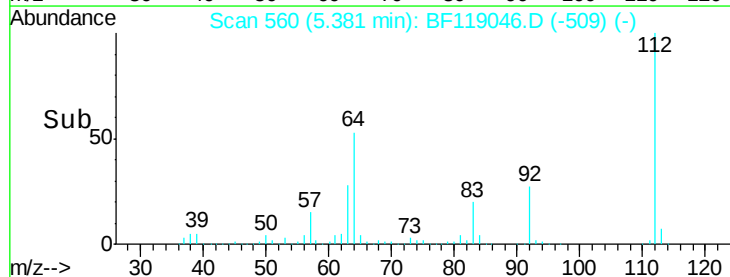
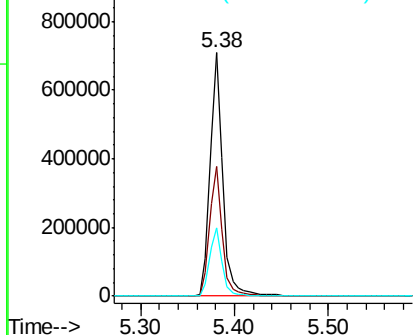
#5

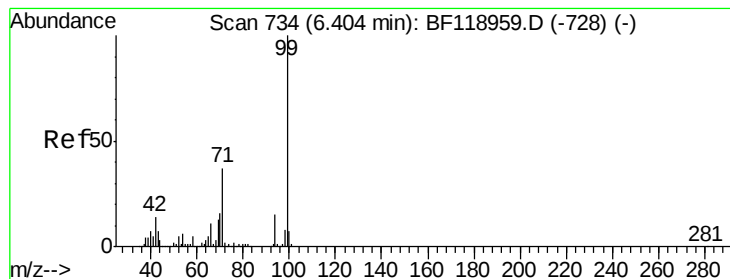
2-Fluorophenol
Concen: 78.323 ng
RT: 5.38 min Scan# 560
Delta R.T. -0.00 min
Lab File: BF119046.D
Acq: 25 Feb 2020 3:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.2	40.4	60.6
63	28.3	21.3	31.9



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: 77.734 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF119046.D

Acq: 25 Feb 2020 3:21

Instrument :

BNA_F

ClientSampleId :

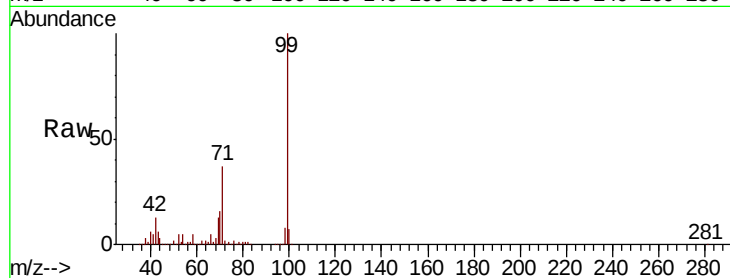
Tot Ion: 99 Resp: 823345

Ion Ratio Lower Upper

99 100

42 13.4 11.4 17.0

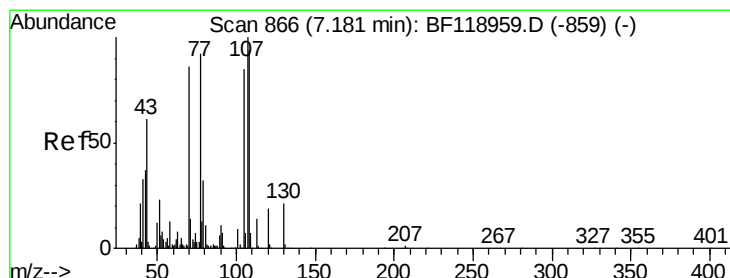
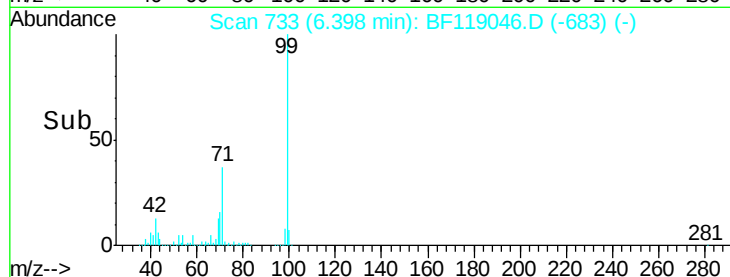
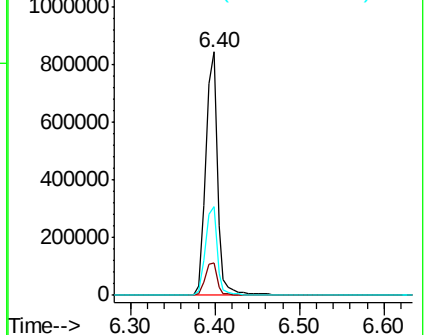
71 36.6 29.8 44.6



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 11.910 ng

RT: 7.32 min Scan# 889

Delta R.T. 0.14 min

Lab File: BF119046.D

Acq: 25 Feb 2020 3:21

Tgt Ion: 70 Resp: 73505

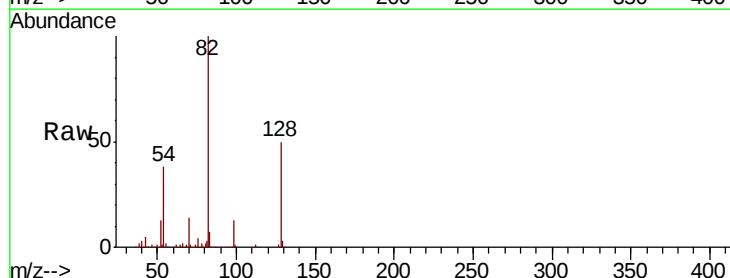
Ion Ratio Lower Upper

70 100

42 35.1 34.6 51.8

101 0.0 8.1 12.1#

130 2.1 19.4 29.2#

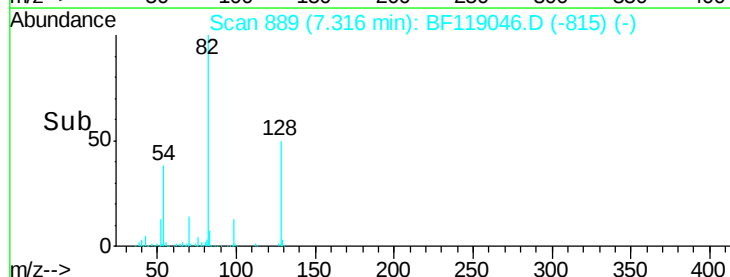
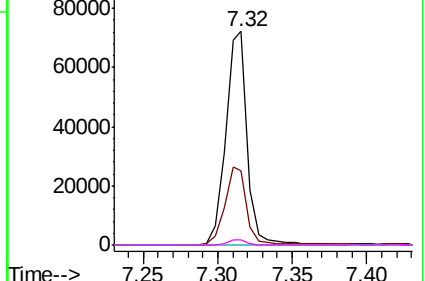


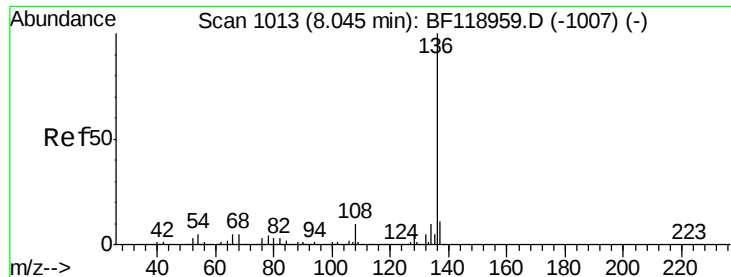
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

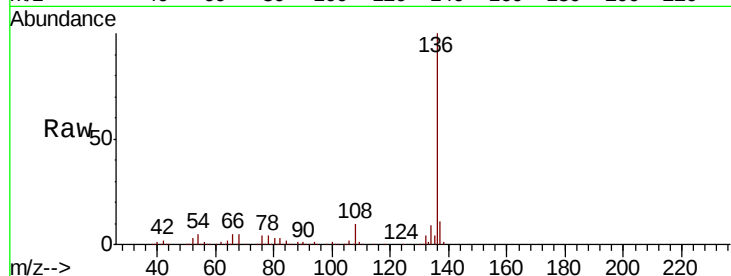




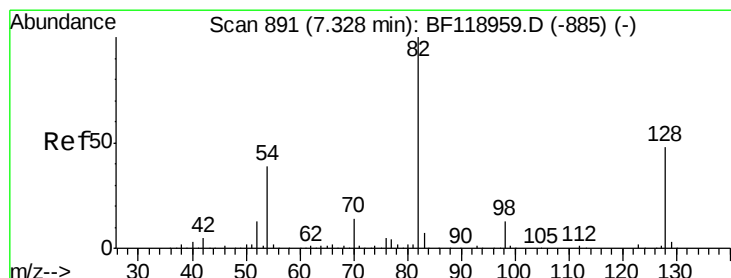
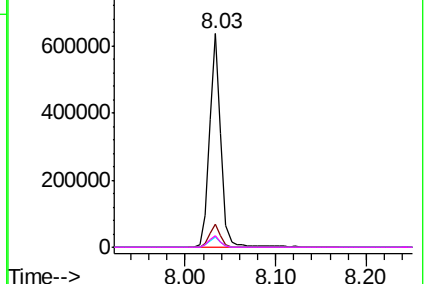
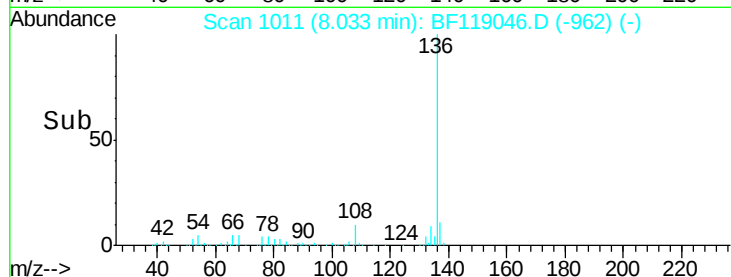
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.03 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BF119046.D
Acq: 25 Feb 2020 3:21

Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp:	563928
Ion Ratio	Lower	Upper
136	100	
137	10.8	8.9 13.3
54	4.7	3.8 5.6
68	5.5	4.2 6.2

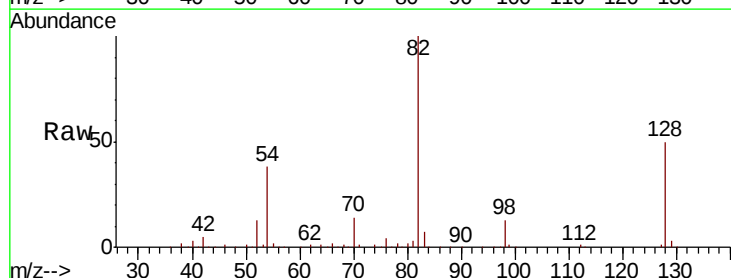


Abundance Ion 136.00 (135.70 to 136.70): E
1000000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

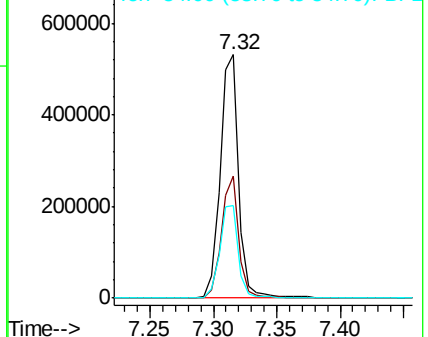
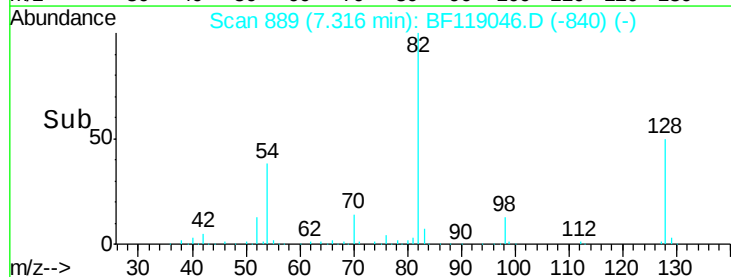


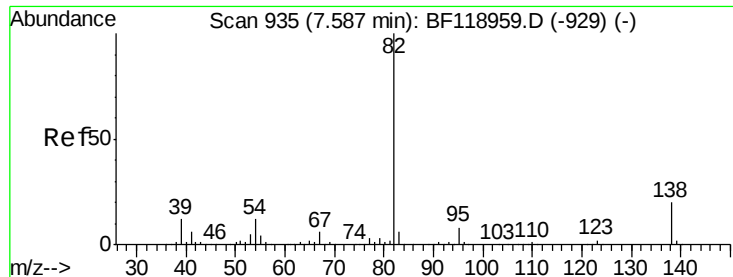
#23
Nitrobenzene-d5
Concen: 50.605 ng
RT: 7.32 min Scan# 889
Delta R.T. -0.01 min
Lab File: BF119046.D
Acq: 25 Feb 2020 3:21

Tgt Ion: 82	Resp:	540489
Ion Ratio	Lower	Upper
82	100	
128	50.1	38.2 57.2
54	38.1	31.3 46.9



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 29.138 ng

RT: 7.32 min Scan# 889

Delta R.T. -0.27 min

Lab File: BF119046.D

Acq: 25 Feb 2020 3:21

Instrument :

BNA_F

ClientSampleId :

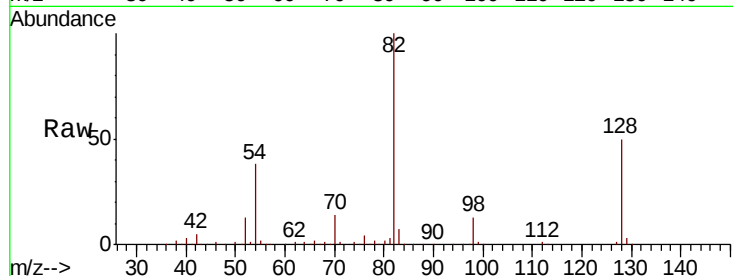
Tot Ion: 82 Resp: 540481

Ion Ratio Lower Upper

82 100

95 0.0 6.1 9.1#

138 0.0 15.8 23.6#

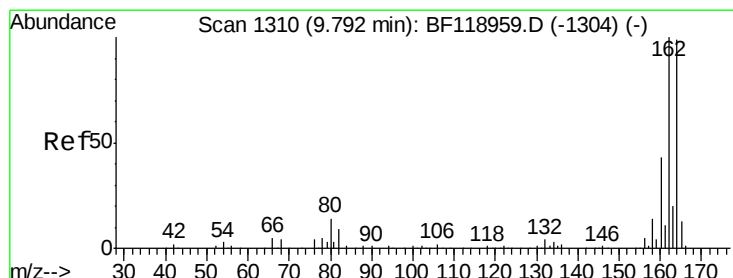
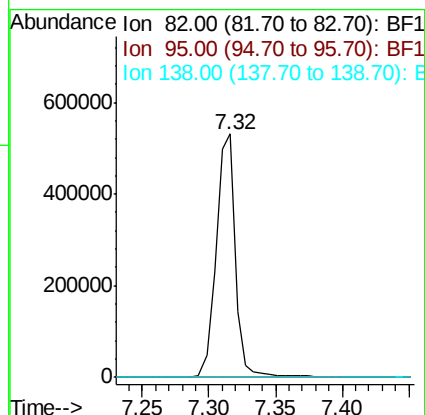
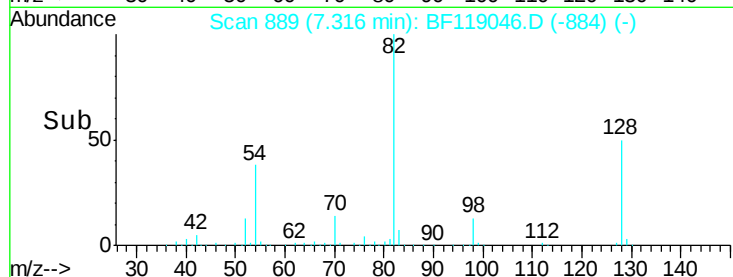


Abundance Ion 82.00 (81.70 to 82.70): BF118959.D (-929) (-)

Ion 95.00 (94.70 to 95.70): BF118959.D (-929) (-)

Ion 138.00 (137.70 to 138.70): BF118959.D (-929) (-)

Time-->



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.79 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BF119046.D

Acq: 25 Feb 2020 3:21

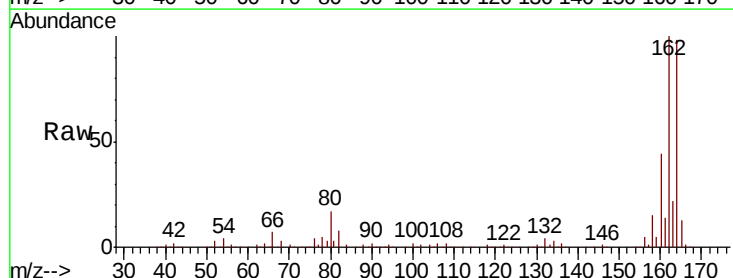
Tgt Ion: 164 Resp: 296726

Ion Ratio Lower Upper

164 100

162 102.5 81.2 121.8

160 44.7 35.2 52.8

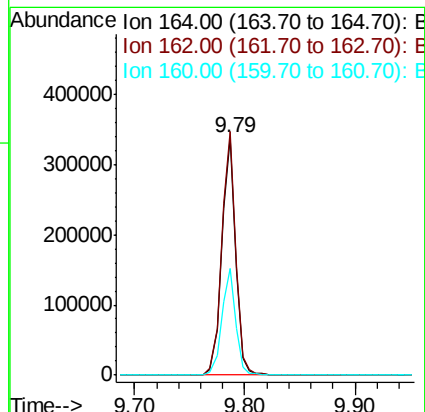
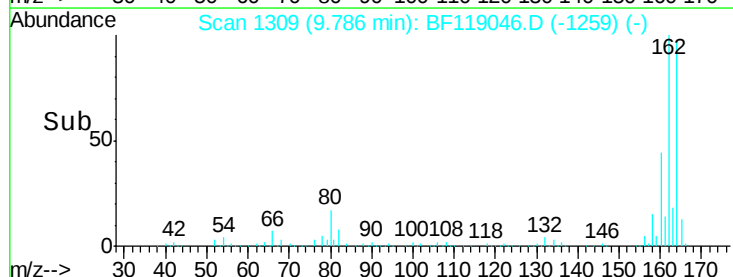


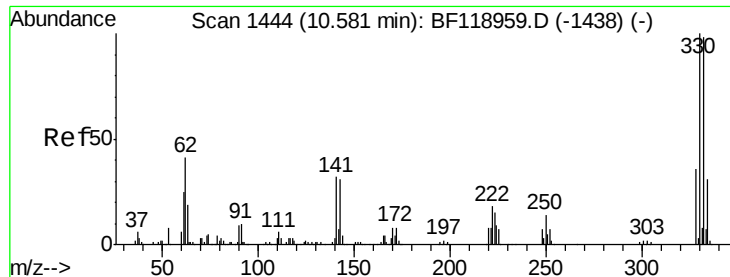
Abundance Ion 164.00 (163.70 to 164.70): BF118959.D (-1304) (-)

Ion 162.00 (161.70 to 162.70): BF118959.D (-1304) (-)

Ion 160.00 (159.70 to 160.70): BF118959.D (-1304) (-)

Time-->

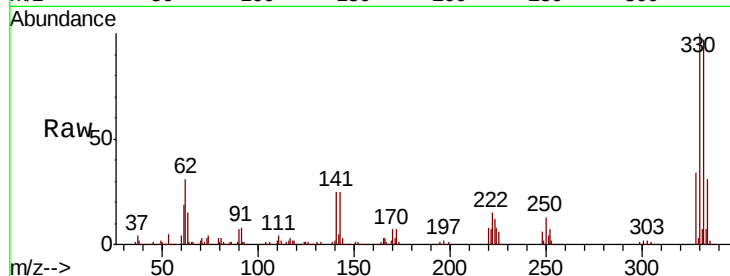




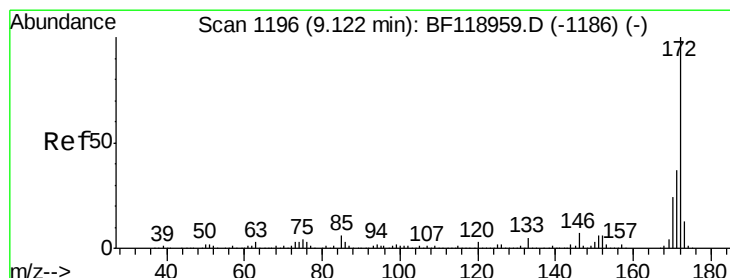
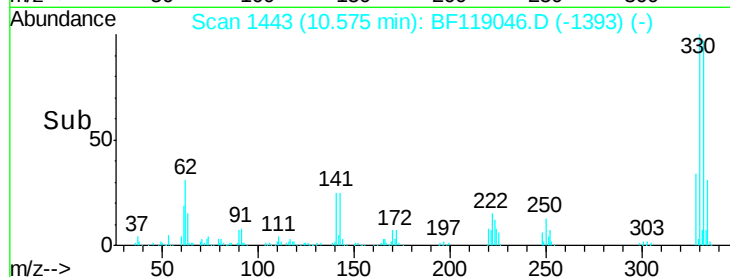
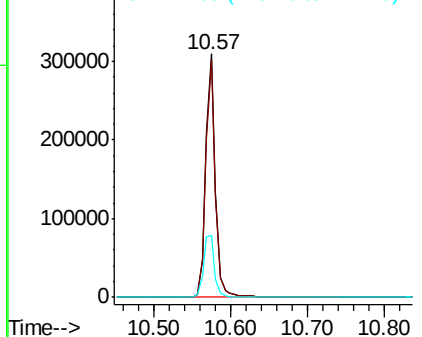
#42
 2,4,6-Tribromophenol
 Concen: 69.649 ng
 RT: 10.57 min Scan# 1443
 Delta R.T. -0.01 min
 Lab File: BF119046.D
 Acq: 25 Feb 2020 3:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.1	115.7
141	29.0	23.0	34.6

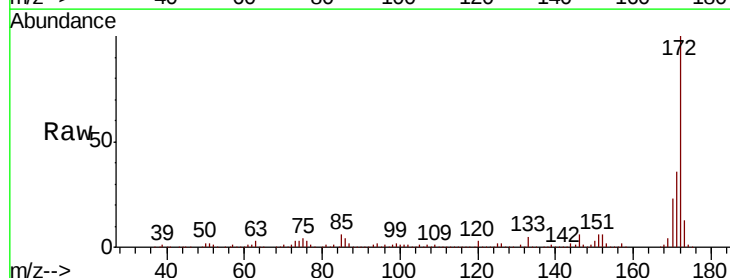


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

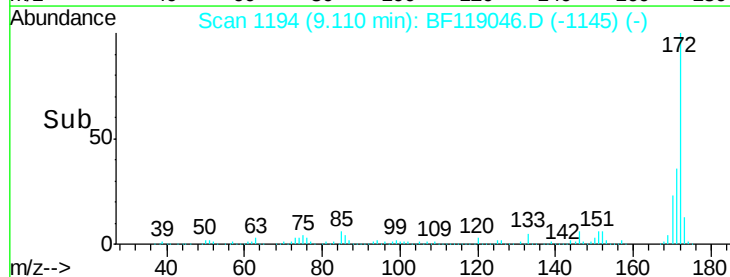
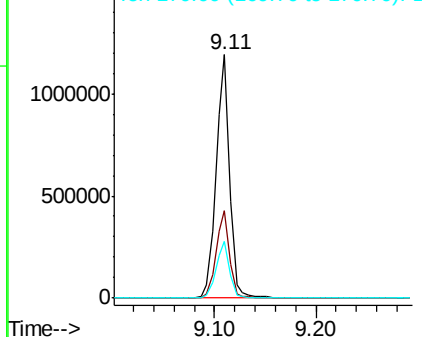


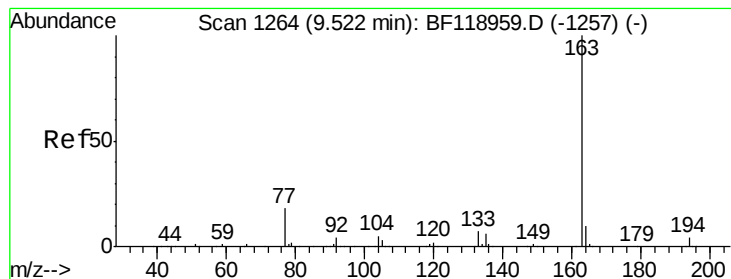
#45
 2-Fluorobiphenyl
 Concen: 54.509 ng
 RT: 9.11 min Scan# 1194
 Delta R.T. -0.01 min
 Lab File: BF119046.D
 Acq: 25 Feb 2020 3:21

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.4	44.2
170	23.5	19.6	29.4



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: 3.020 ng

RT: 9.50 min Scan# 1261

Delta R.T. -0.02 min

Lab File: BF119046.D

Acq: 25 Feb 2020 3:21

Instrument :

BNA_F

ClientSampleId :

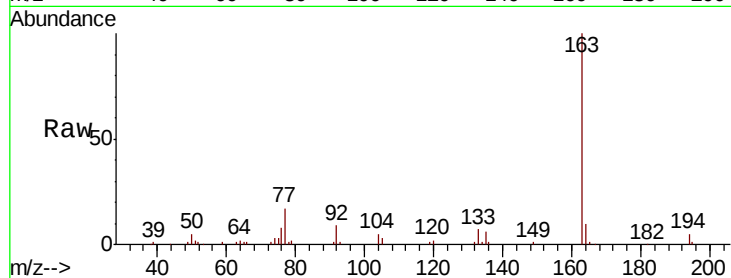
Tot Ion:163 Resp: 68535

Ion Ratio Lower Upper

163 100

194 4.6 3.4 5.2

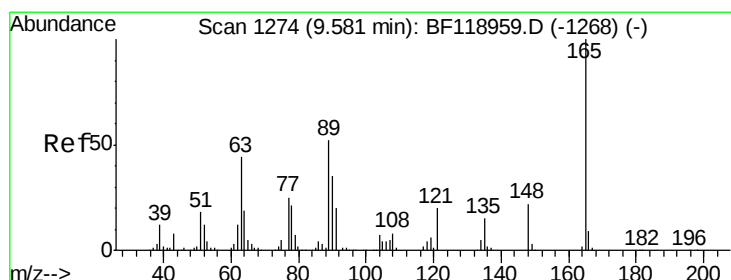
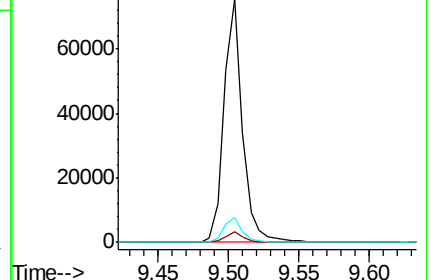
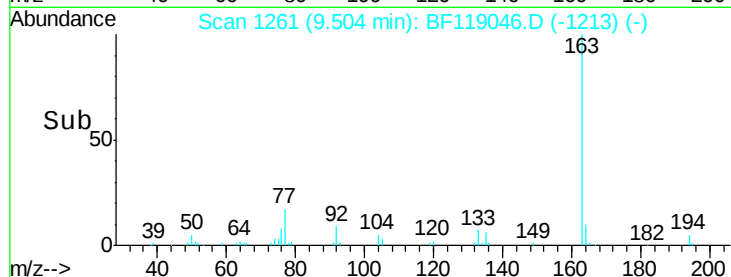
164 9.9 8.2 12.2



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: 7.655 ng

RT: 9.79 min Scan# 1309

Delta R.T. 0.21 min

Lab File: BF119046.D

Acq: 25 Feb 2020 3:21

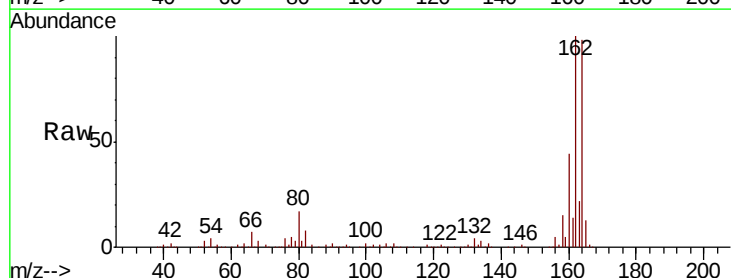
Tgt Ion:165 Resp: 38591

Ion Ratio Lower Upper

165 100

63 1.2 37.9 56.9#

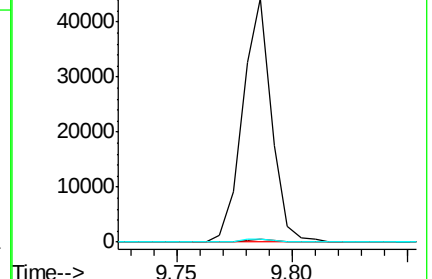
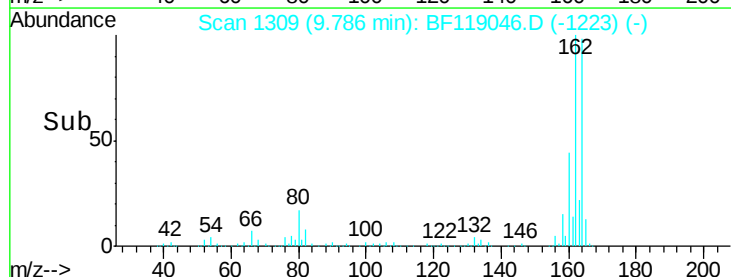
89 1.3 41.4 62.0#

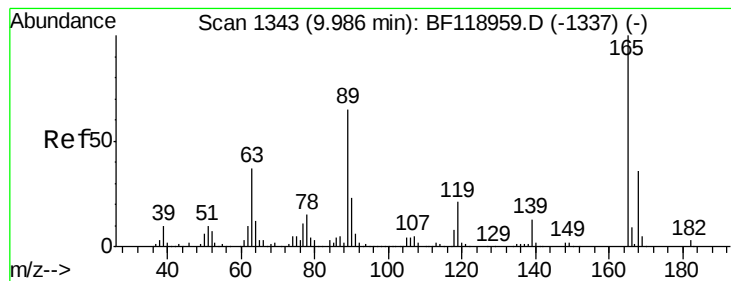


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#57

2,4-Dinitrotoluene

Concen: 5.906 ng

RT: 9.79 min Scan# 1309

Delta R.T. -0.20 min

Lab File: BF119046.D

Acq: 25 Feb 2020 3:21

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 38591

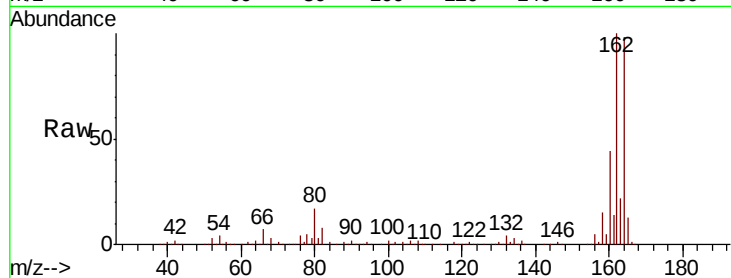
Ion Ratio Lower Upper

165 100

63 1.2 29.8 44.8#

89 1.3 51.9 77.9#

182 0.0 2.3 3.5#

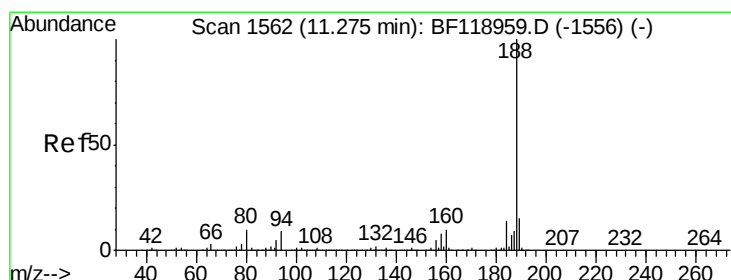
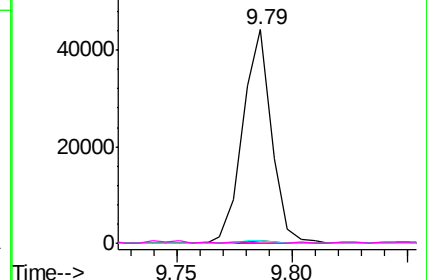
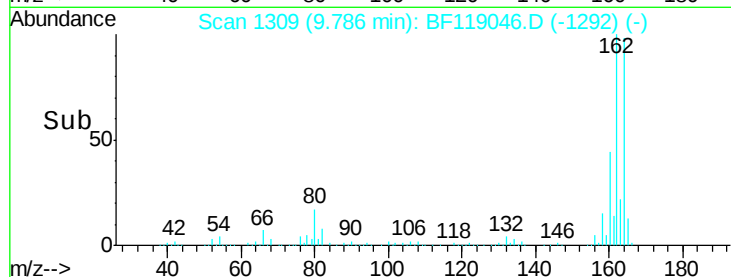


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.27 min Scan# 1561

Delta R.T. -0.01 min

Lab File: BF119046.D

Acq: 25 Feb 2020 3:21

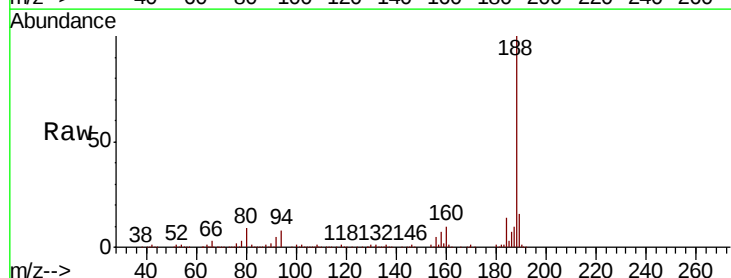
Tgt Ion:188 Resp: 504867

Ion Ratio Lower Upper

188 100

94 8.1 7.0 10.6

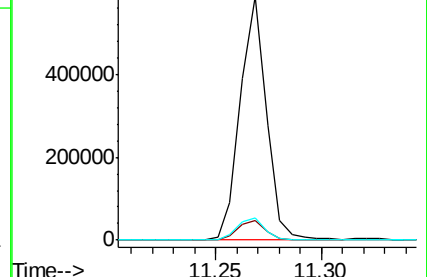
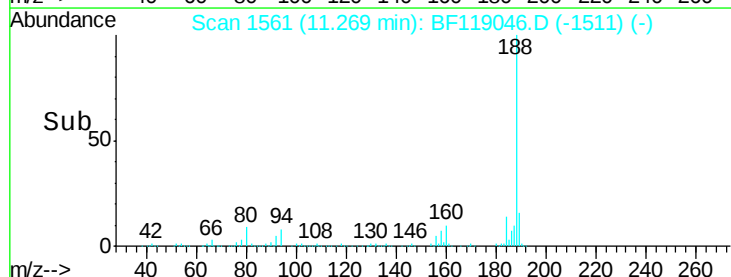
80 9.0 7.9 11.9

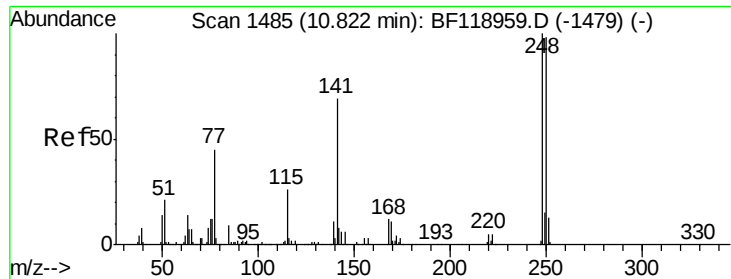


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

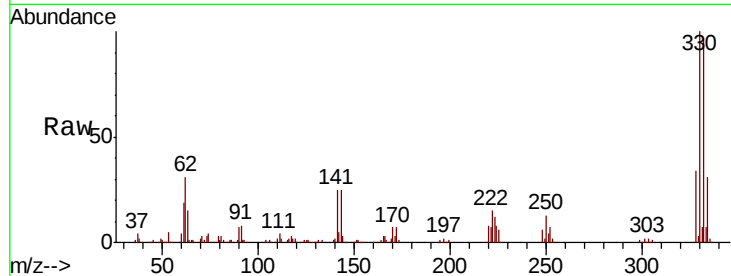




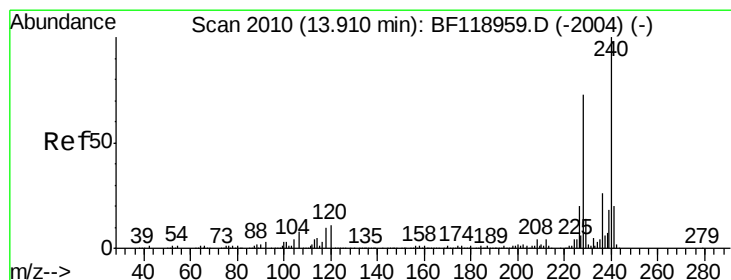
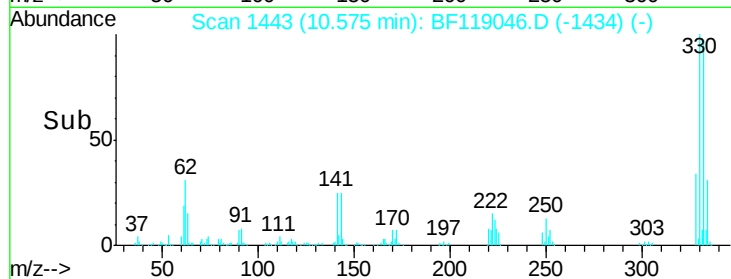
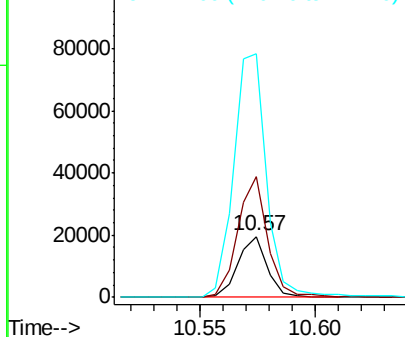
#67
4-Bromophenyl-phenylether
Concen: 2.652 ng
RT: 10.57 min Scan# 1443
Delta R.T. -0.25 min
Lab File: BF119046.D
Acq: 25 Feb 2020 3:21

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 17502
Ion Ratio Lower Upper
248 100
250 198.0 78.8 118.2#
141 397.8 55.3 82.9#

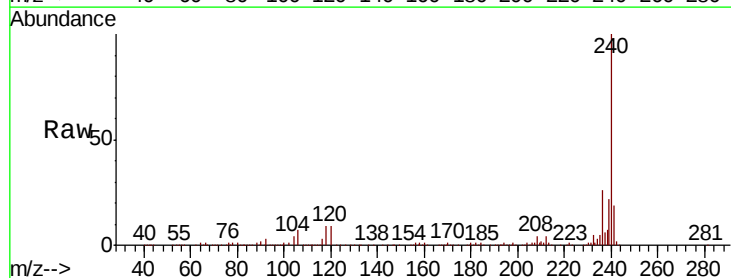


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

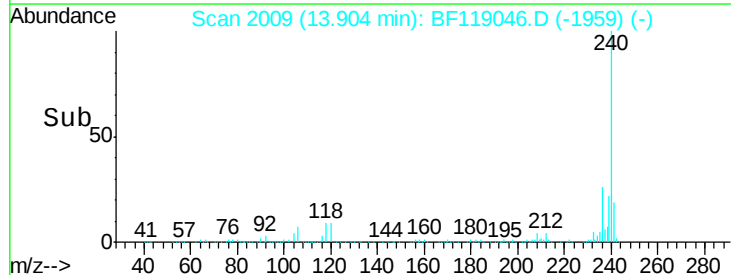
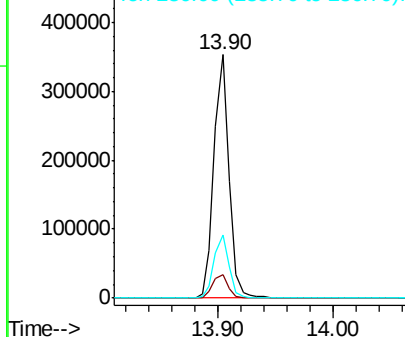


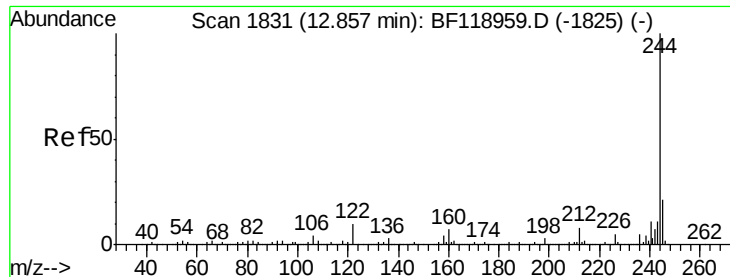
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.90 min Scan# 2009
Delta R.T. -0.01 min
Lab File: BF119046.D
Acq: 25 Feb 2020 3:21

Tgt Ion:240 Resp: 318901
Ion Ratio Lower Upper
240 100
120 9.4 8.9 13.3
236 25.8 20.6 30.8



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: 60.073 ng

RT: 12.85 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BF119046.D

Acq: 25 Feb 2020 3:21

Instrument :

BNA_F

ClientSampleId :

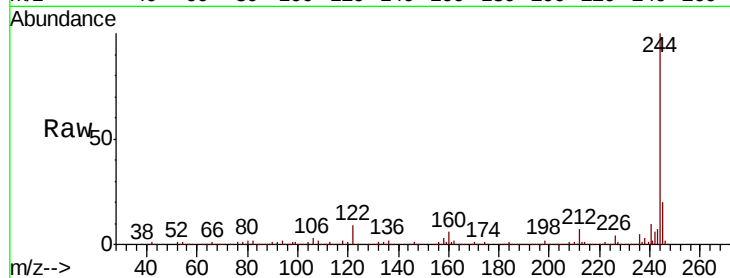
Tot Ion:244 Resp: 1112722

Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.3	9.5
122	8.7	8.4	12.6

244 100

212 6.9 6.3 9.5

122 8.7 8.4 12.6



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

12.85

1500000

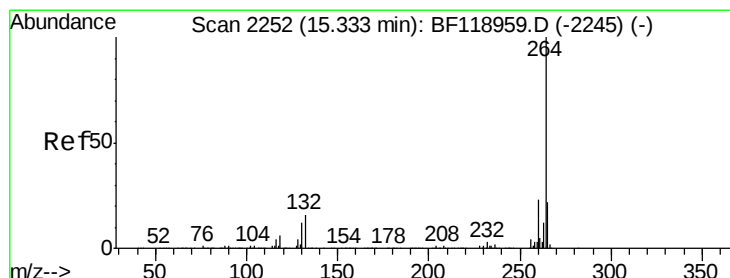
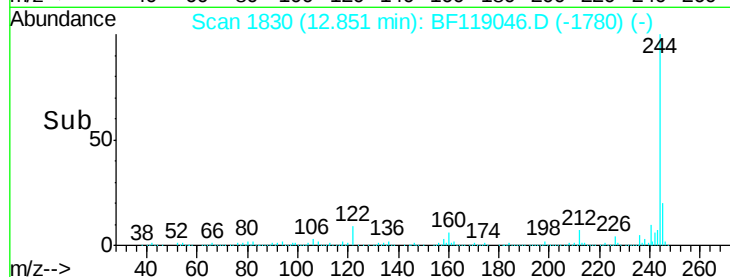
1000000

500000

0

Time-->

12.80 12.90



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.33 min Scan# 2251

Delta R.T. -0.01 min

Lab File: BF119046.D

Acq: 25 Feb 2020 3:21

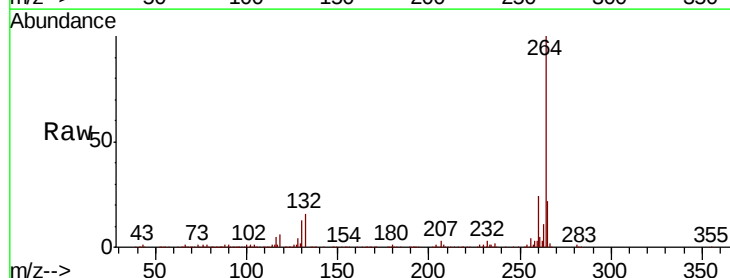
Tgt Ion:264 Resp: 354144

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.6	28.0
265	21.6	17.3	25.9

264 100

260 23.5 18.6 28.0

265 21.6 17.3 25.9



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

15.33

300000

200000

100000

0

Time-->

15.30 15.40 15.50

