

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042419\
 Data File : BF113951.D
 Acq On : 24 Apr 2019 10:46
 Operator : JU/SJ
 Sample : K2522-07RE
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 24 14:03:56 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 23 03:32:35 2019
 Response via : Initial Calibration

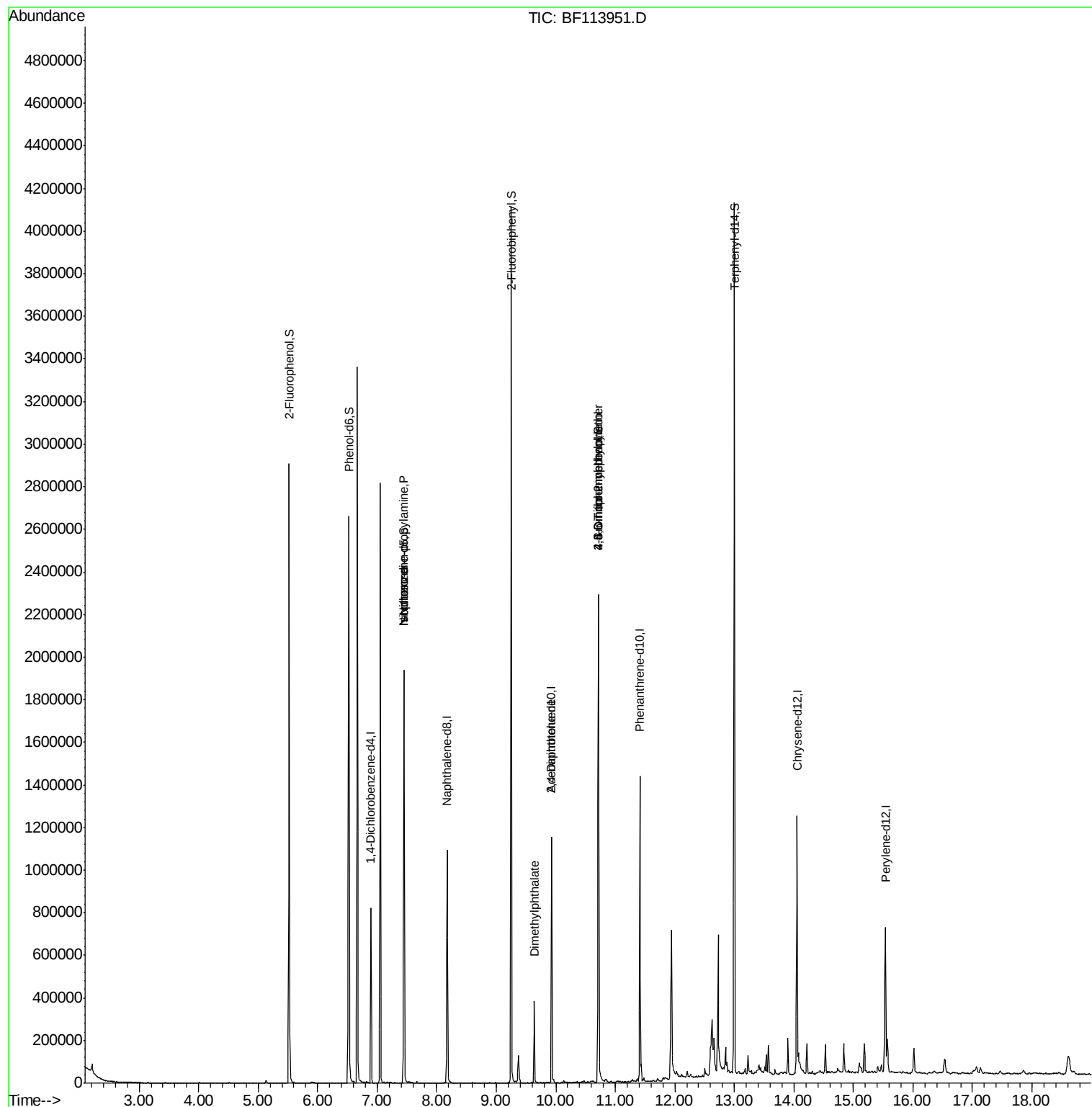
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	130670	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	487555	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	253748	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	511973	20.00	ng	0.00
76) Chrysene-d12	14.05	240	382163	20.00	ng	-0.02
87) Perylene-d12	15.54	264	343412	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	920547	120.49	ng	0.00
7) Phenol-d6	6.53	99	1173166	122.39	ng	0.00
23) Nitrobenzene-d5	7.45	82	722668	91.52	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	318875	103.16	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	1343812	82.83	ng	0.00
79) Terphenyl-d14	13.00	244	1531826	82.18	ng	0.00
Target Compounds						
9) Benzaldehyde	6.67	77	22077	Below Cal		Qvalue 85
19) n-Nitroso-di-n-propylamine	7.45	70	96155	15.491 ng	#	78
25) Isophorone	7.45	82	722656	44.726 ng	#	65
50) Dimethylphthalate	9.64	163	154234	8.404 ng		99
57) 2,4-Dinitrotoluene	9.93	165	32305	6.501 ng	#	29
65) 4,6-Dinitro-2-methylphenol	10.72	198	528	7.499 ng	#	1
67) 4-Bromophenyl-phenylether	10.72	248	19859	3.211 ng	#	1

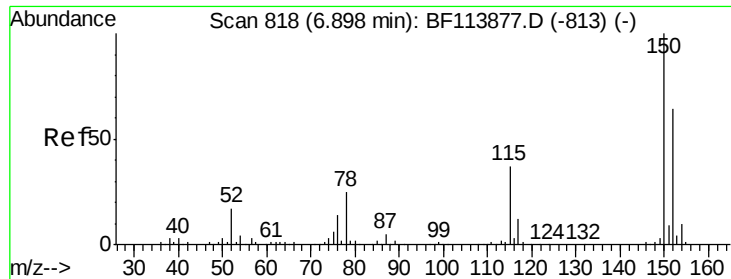
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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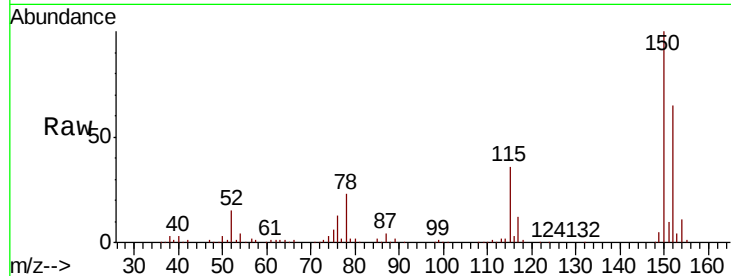


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. 0.00 min
Lab File: BF113951.D
Acq: 24 Apr 2019 10:46

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.1	125.9	188.9
115	55.1	45.9	68.9

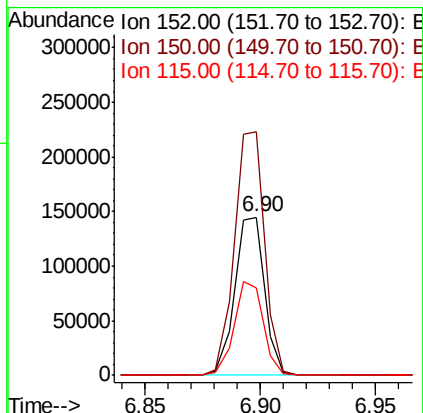
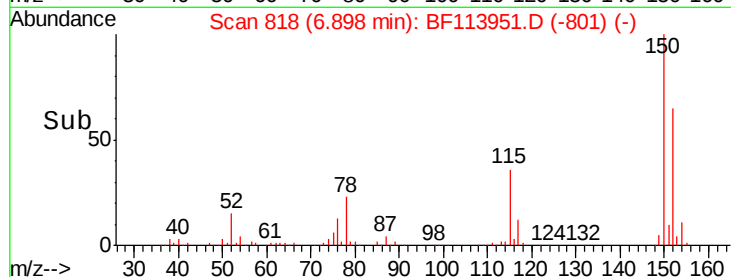


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

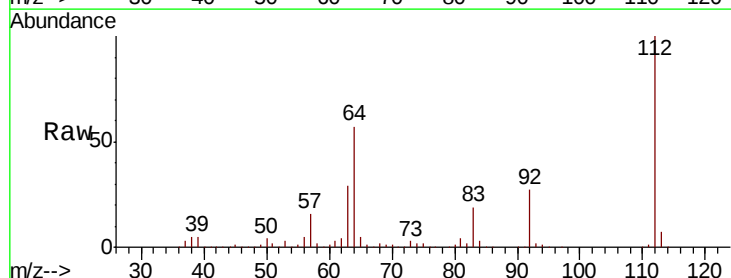
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 120.492 ng
RT: 5.52 min Scan# 584
Delta R.T. 0.01 min
Lab File: BF113951.D
Acq: 24 Apr 2019 10:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.0	46.6	69.8
63	28.6	23.1	34.7

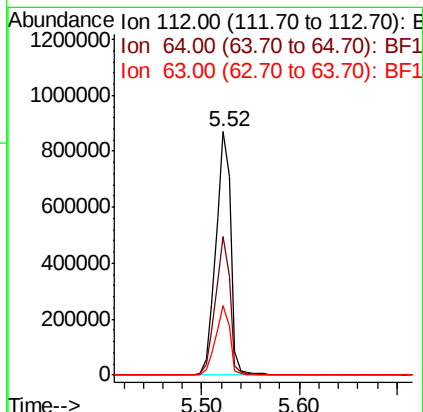
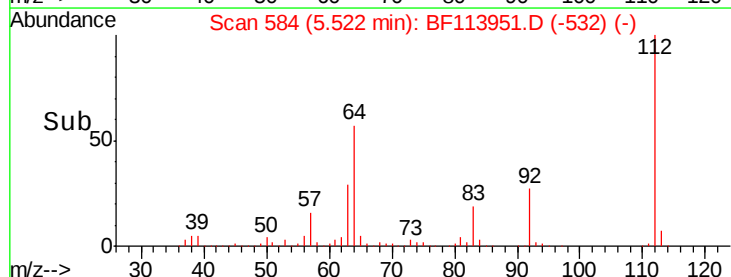


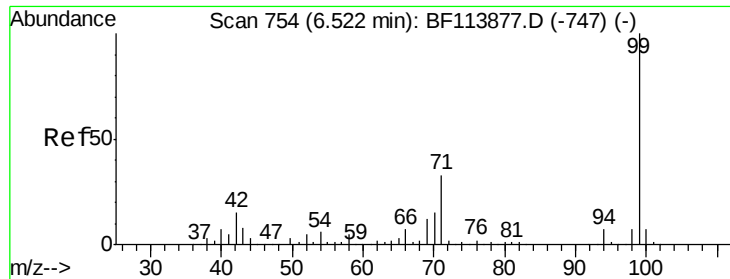
Abundance

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: 122.393 ng

RT: 6.53 min Scan# 755

Delta R.T. 0.01 min

Lab File: BF113951.D

Acq: 24 Apr 2019 10:46

Instrument :

BNA_F

ClientSampled :

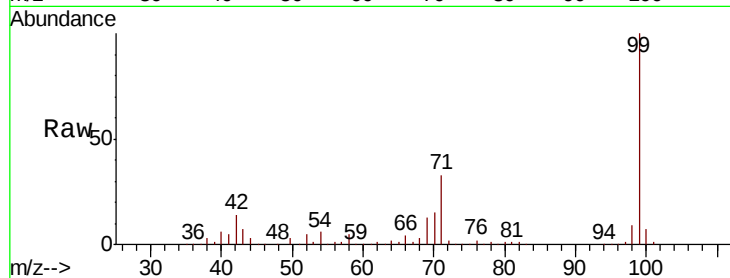
Tot Ion: 99 Resp: 1173166

Ion Ratio Lower Upper

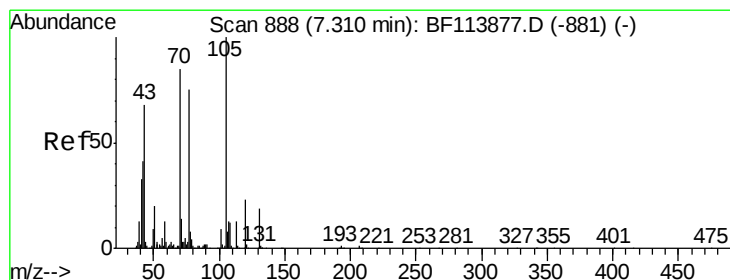
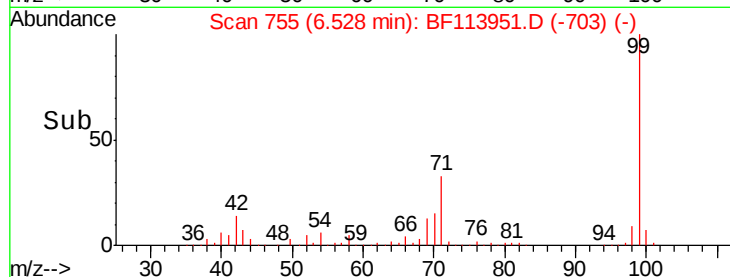
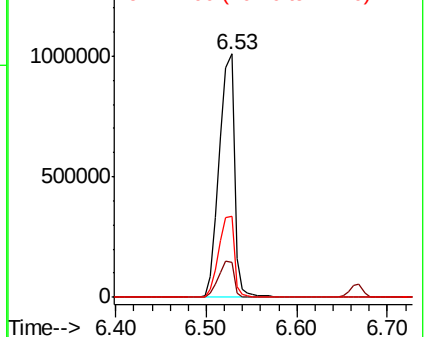
99 100

42 14.4 12.5 18.7

71 33.5 26.9 40.3



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: 15.491 ng

RT: 7.45 min Scan# 912

Delta R.T. 0.14 min

Lab File: BF113951.D

Acq: 24 Apr 2019 10:46

Tgt Ion: 70 Resp: 96155

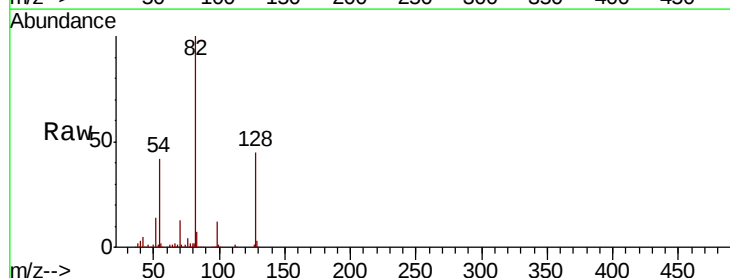
Ion Ratio Lower Upper

70 100

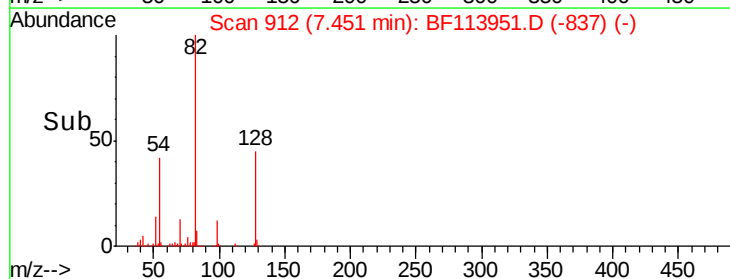
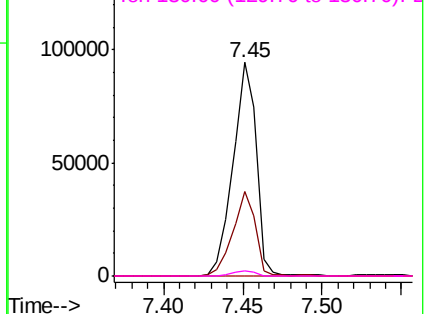
42 39.5 37.3 55.9

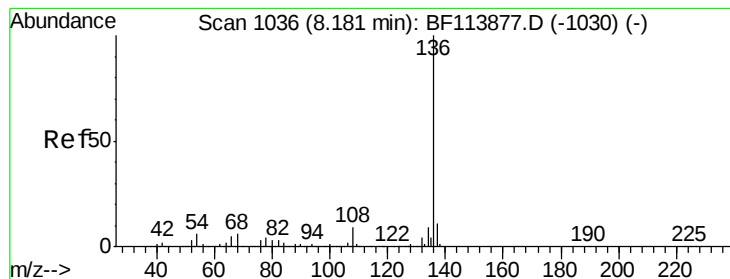
101 0.0 7.8 11.8#

130 2.5 18.2 27.2#



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: 8.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF113951.D

Acq: 24 Apr 2019 10:46

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 487555

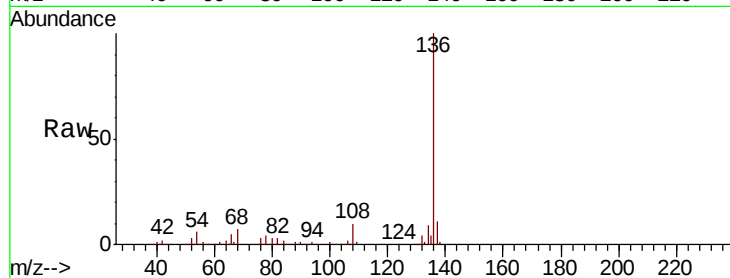
Ion Ratio Lower Upper

136 100

137 10.7 8.6 12.8

54 6.4 5.0 7.6

68 6.5 4.9 7.3

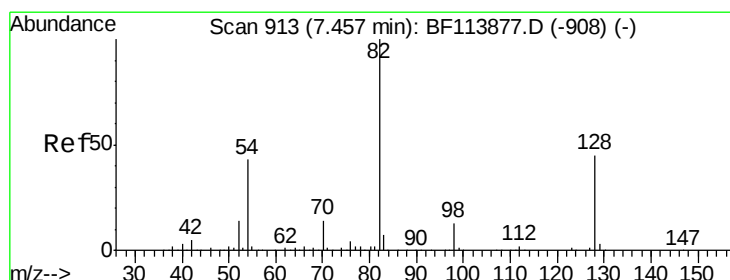
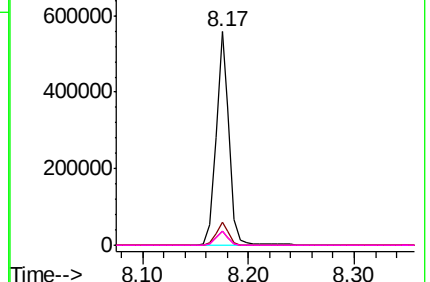
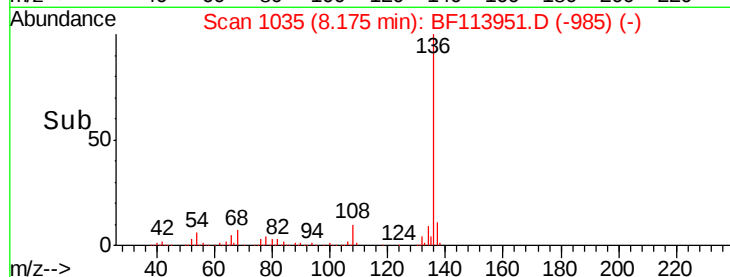


Abundance Ion 136.00 (135.70 to 136.70): E

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: 91.519 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF113951.D

Acq: 24 Apr 2019 10:46

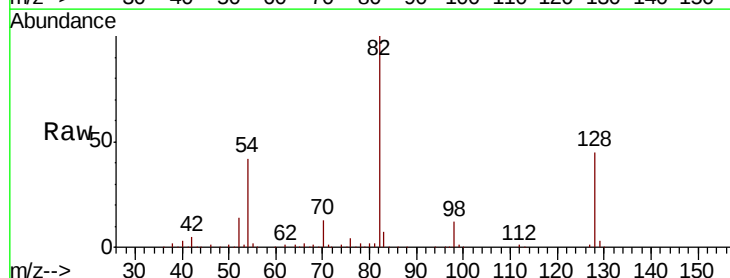
Tgt Ion: 82 Resp: 722668

Ion Ratio Lower Upper

82 100

128 45.2 36.8 55.2

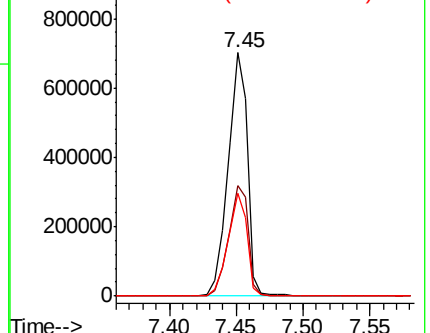
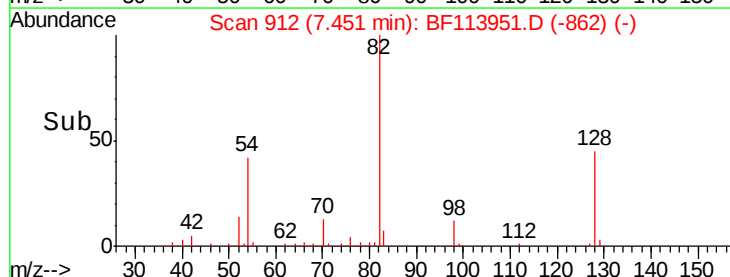
54 42.4 33.8 50.6



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: 44.726 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.26 min

Lab File: BF113951.D

Acq: 24 Apr 2019 10:46

Instrument :

BNA_F

ClientSampled :

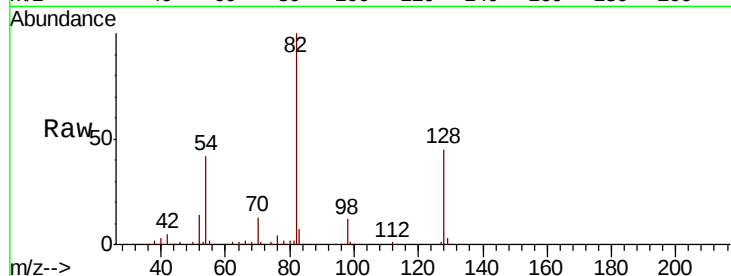
Tot Ion: 82 Resp: 722656

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

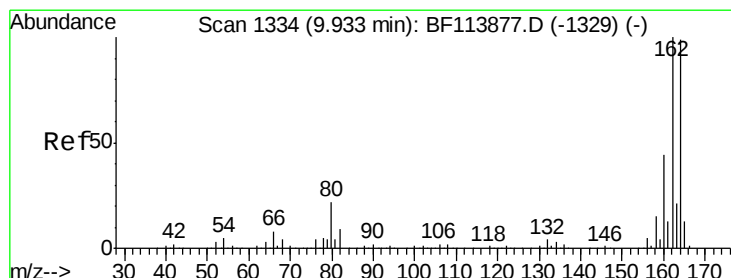
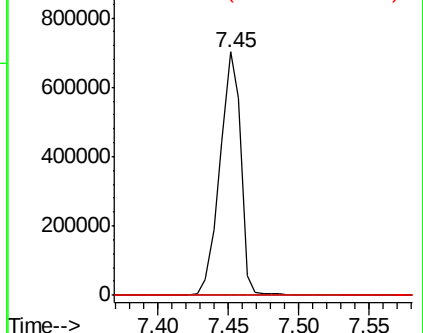
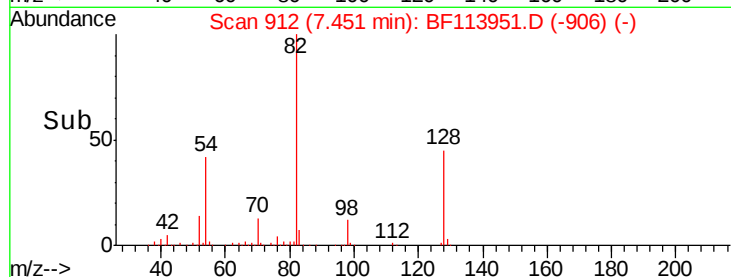
138 0.0 14.6 22.0#



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: 9.93 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BF113951.D

Acq: 24 Apr 2019 10:46

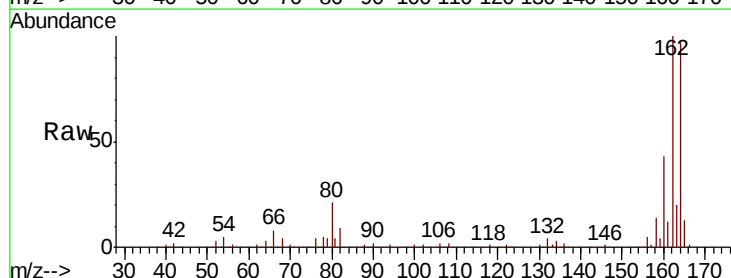
Tgt Ion:164 Resp: 253748

Ion Ratio Lower Upper

164 100

162 103.0 81.1 121.7

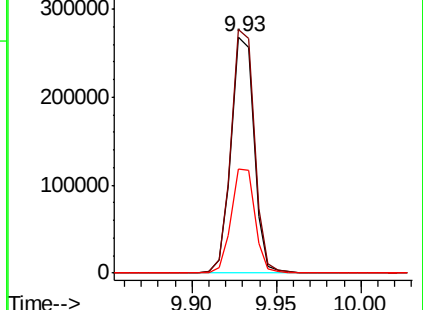
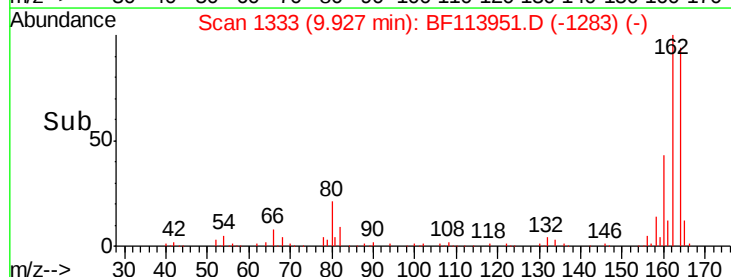
160 44.0 35.8 53.6

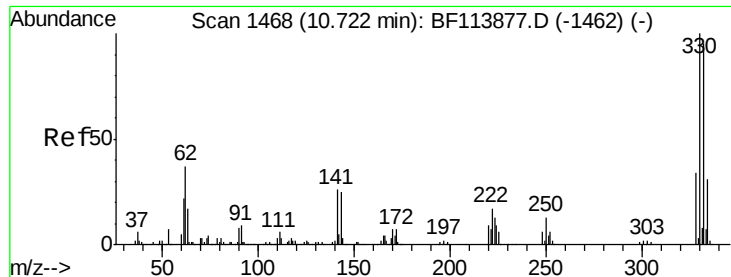


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

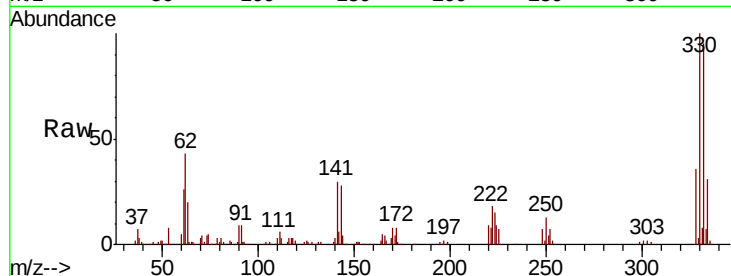




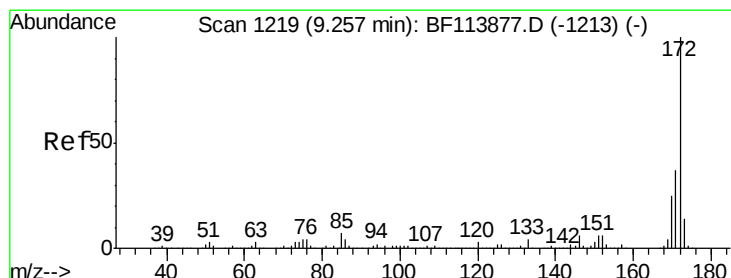
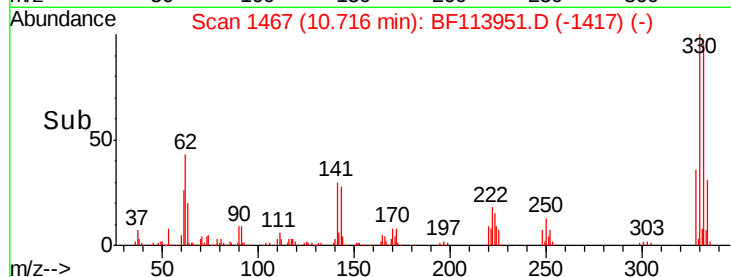
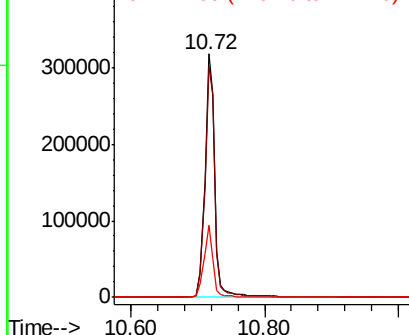
#42
 2,4,6-Tribromophenol
 Concen: 103.157 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.01 min
 Lab File: BF113951.D
 Acq: 24 Apr 2019 10:46

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.5	116.3
141	27.1	22.2	33.2

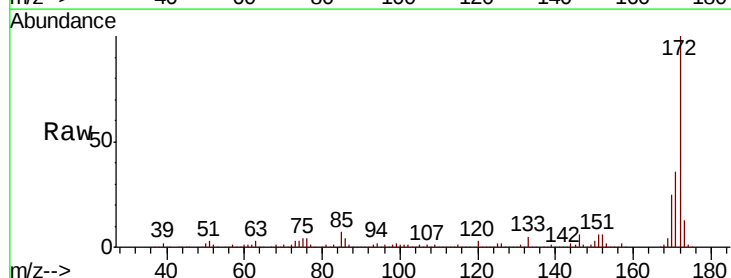


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

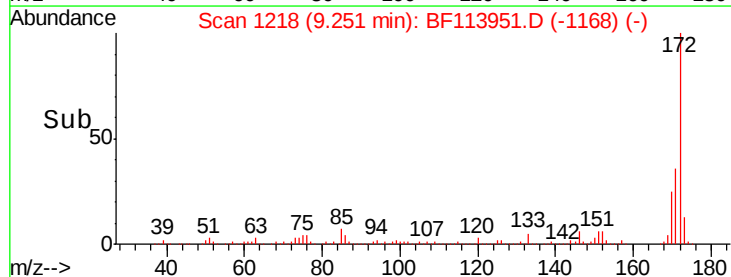
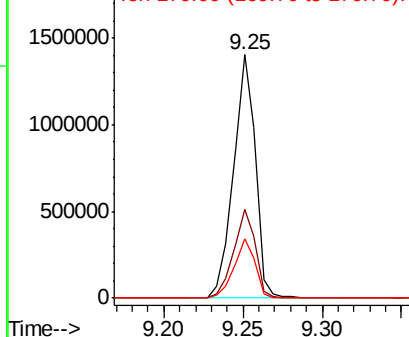


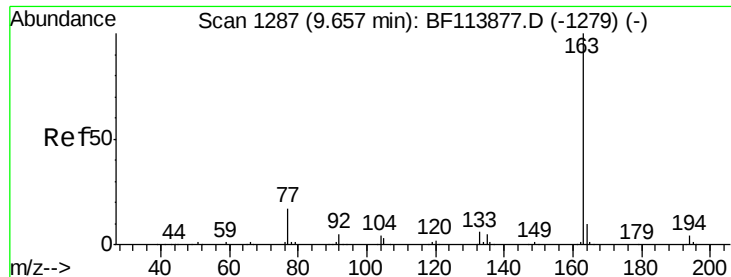
#45
 2-Fluorobiphenyl
 Concen: 82.828 ng
 RT: 9.25 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: BF113951.D
 Acq: 24 Apr 2019 10:46

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.4	44.0
170	24.6	19.9	29.9



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: 8.404 ng

RT: 9.64 min Scan# 1284

Delta R.T. -0.02 min

Lab File: BF113951.D

Acq: 24 Apr 2019 10:46

Instrument :

BNA_F

ClientSampleId :

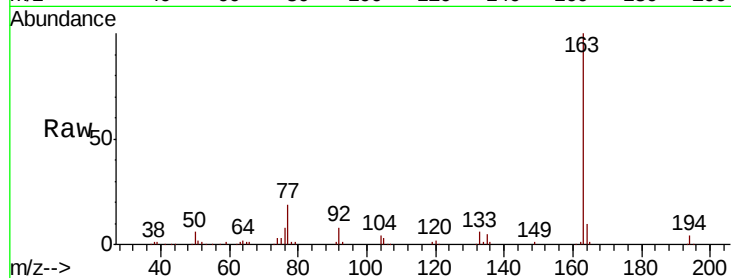
Tot Ion:163 Resp: 154234

Ion Ratio Lower Upper

163 100

194 4.1 3.4 5.2

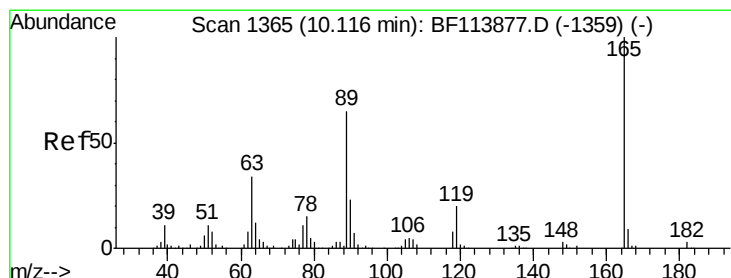
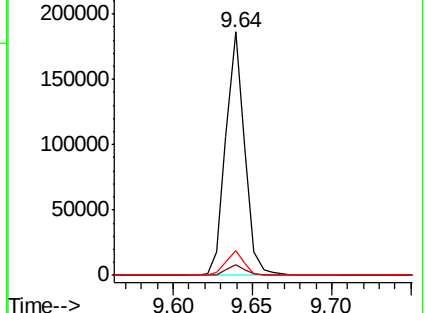
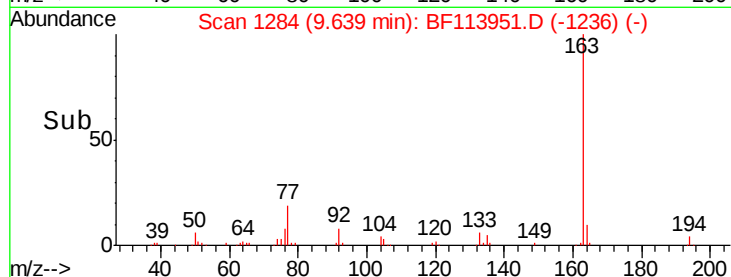
164 10.3 8.5 12.7



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



#57

2,4-Dinitrotoluene

Concen: 6.501 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.19 min

Lab File: BF113951.D

Acq: 24 Apr 2019 10:46

Tgt Ion:165 Resp: 32305

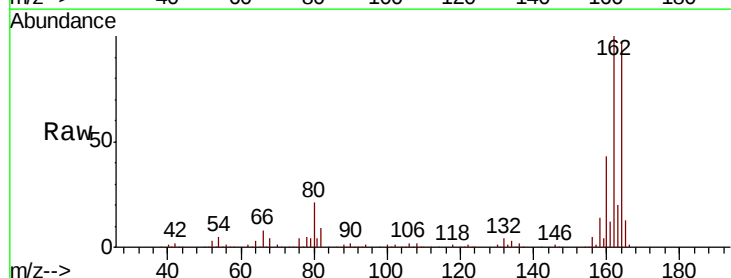
Ion Ratio Lower Upper

165 100

63 1.5 27.4 41.0#

89 1.5 51.8 77.6#

182 0.0 2.2 3.2#

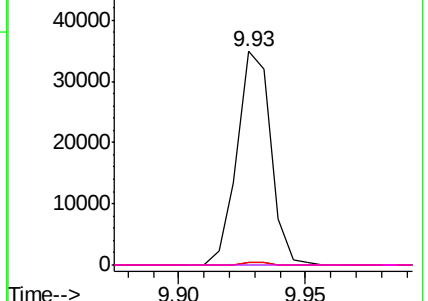
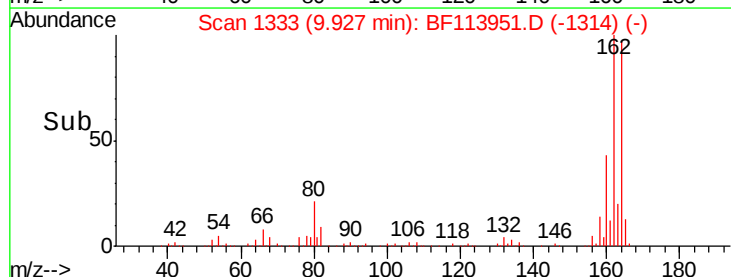


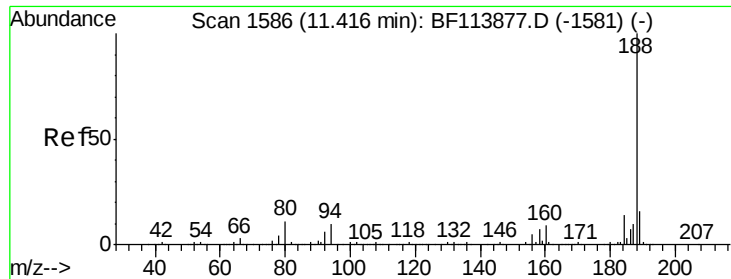
Abundance Ion 165.00 (164.70 to 165.70): E

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

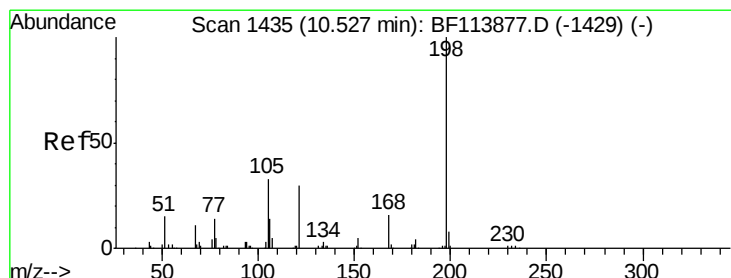
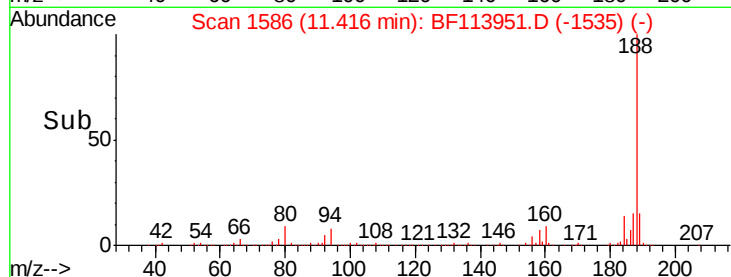
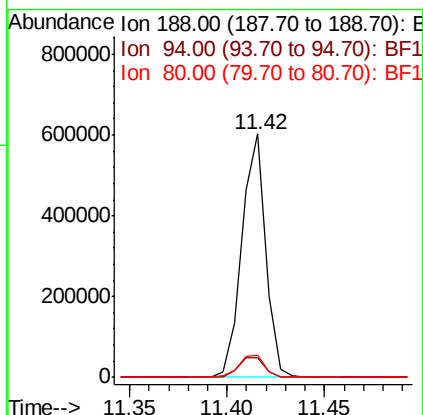
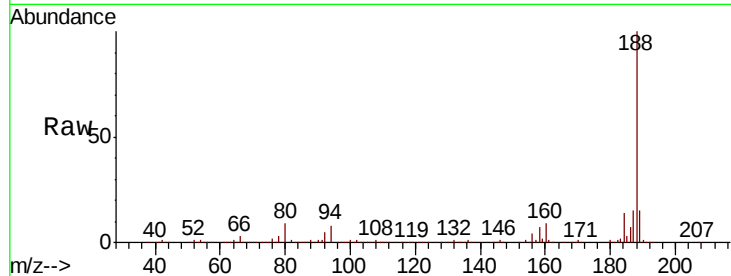




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: BF113951.D
 Acq: 24 Apr 2019 10:46

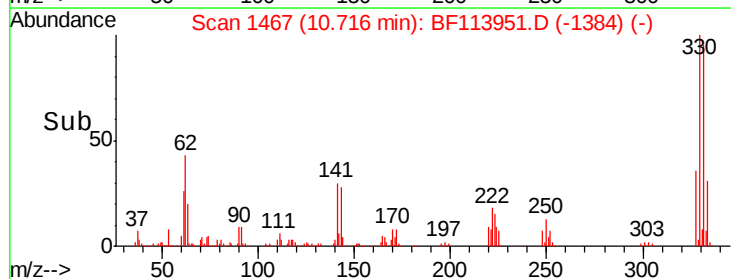
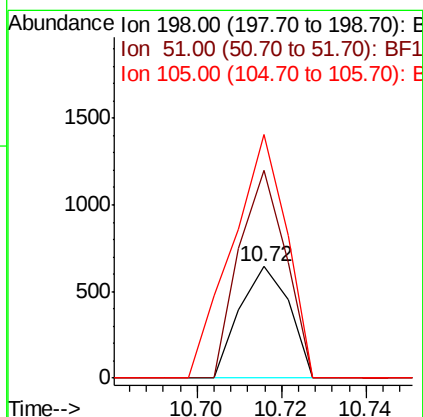
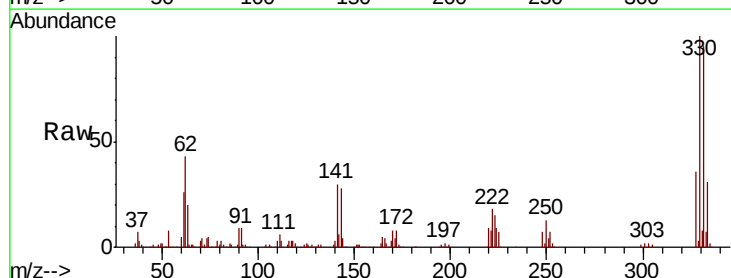
Instrument :
 BNA_F
 ClientSampleId :

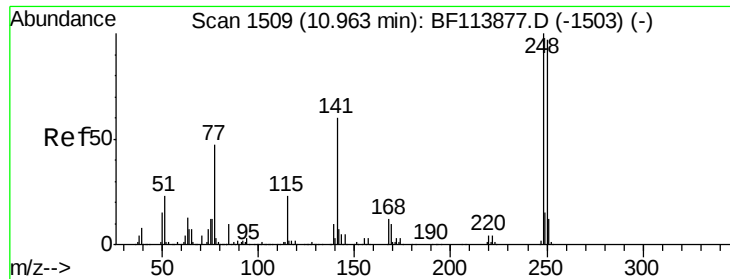
Tot Ion	Ratio	Lower	Upper
188	100		
94	8.2	8.2	12.4
80	9.3	9.0	13.6



#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.499 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. 0.19 min
 Lab File: BF113951.D
 Acq: 24 Apr 2019 10:46

Tgt Ion	Ratio	Lower	Upper
198	100		
51	186.4	11.1	51.1#
105	219.0	20.7	60.7#

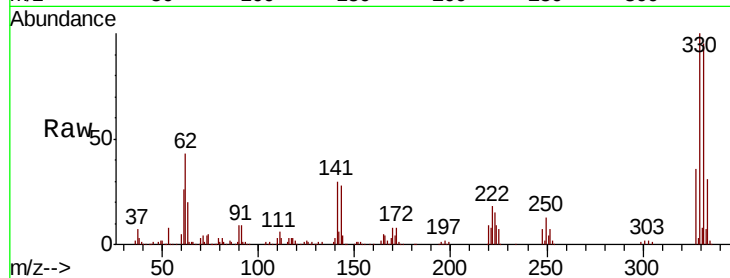




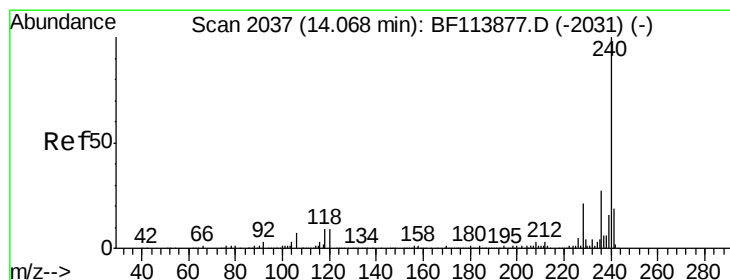
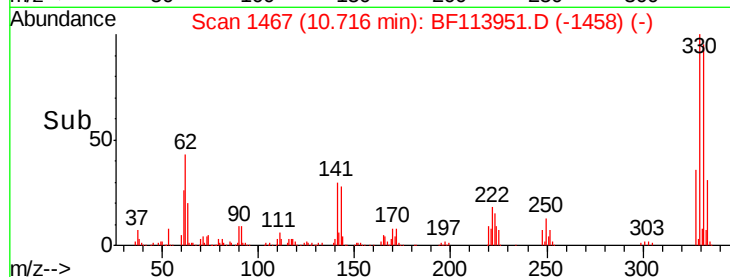
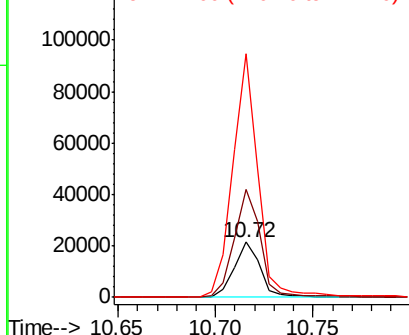
#67
4-Bromophenyl-phenylether
Concen: 3.211 ng
RT: 10.72 min Scan# 1467
Delta R.T. -0.25 min
Lab File: BF113951.D
Acq: 24 Apr 2019 10:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 19859
Ion Ratio Lower Upper
248 100
250 196.0 75.8 113.6#
141 440.9 50.2 75.4#

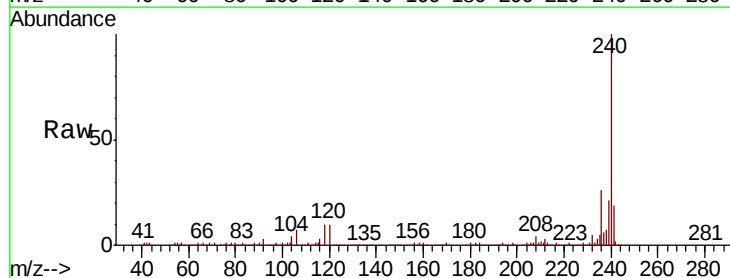


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

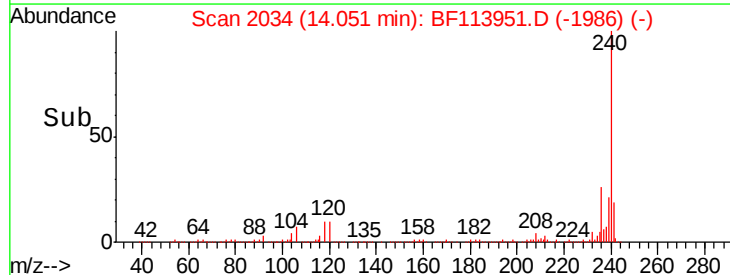
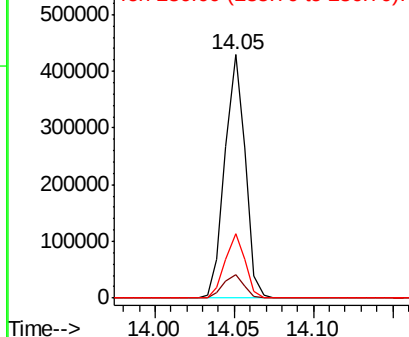


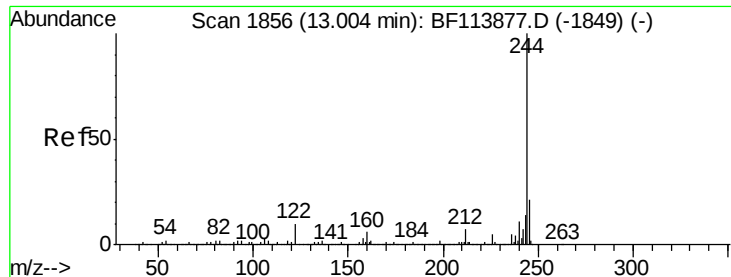
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.02 min
Lab File: BF113951.D
Acq: 24 Apr 2019 10:46

Tgt Ion:240 Resp: 382163
Ion Ratio Lower Upper
240 100
120 9.8 9.3 13.9
236 26.4 21.2 31.8



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: 82.176 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.01 min

Lab File: BF113951.D

Acq: 24 Apr 2019 10:46

Instrument :

BNA_F

ClientSampleId :

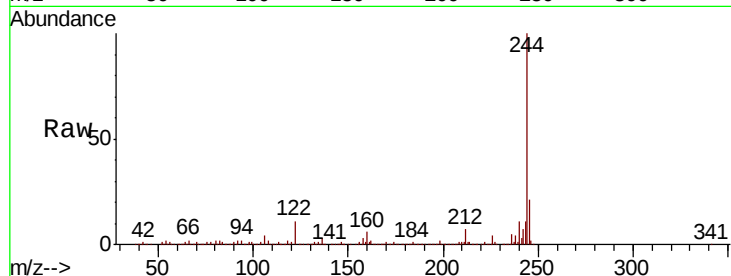
Tot Ion:244 Resp: 1531826

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.2

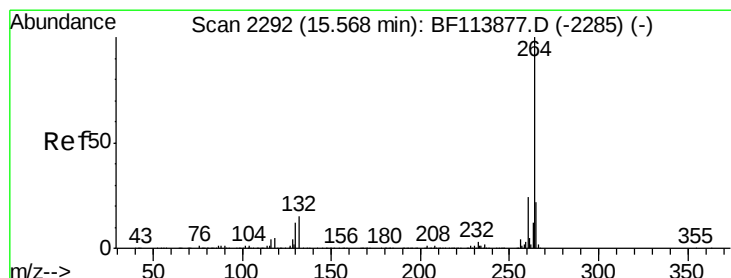
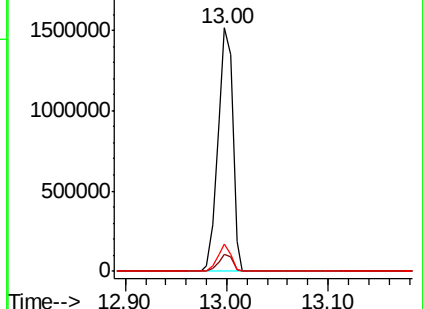
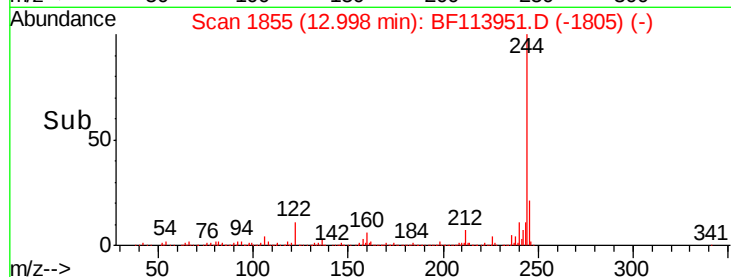
122 11.1 7.6 11.4



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: 15.54 min Scan# 2287

Delta R.T. -0.03 min

Lab File: BF113951.D

Acq: 24 Apr 2019 10:46

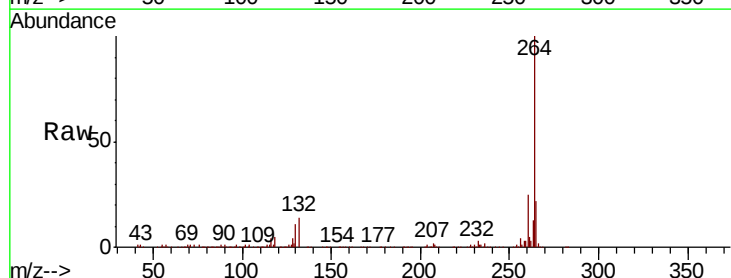
Tgt Ion:264 Resp: 343412

Ion Ratio Lower Upper

264 100

260 24.8 18.9 28.3

265 21.9 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

