

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF043019\
 Data File : BF114052.D
 Acq On : 30 Apr 2019 19:42
 Operator : JU/SJ
 Sample : K2616-03
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 30 23:04:36 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	6.89	152	123916	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	380068	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	175519	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	335440	20.00	ng	0.00
76) Chrysene-d12	14.05	240	229323	20.00	ng	-0.02
87) Perylene-d12	15.53	264	210782	20.00	ng	-0.04

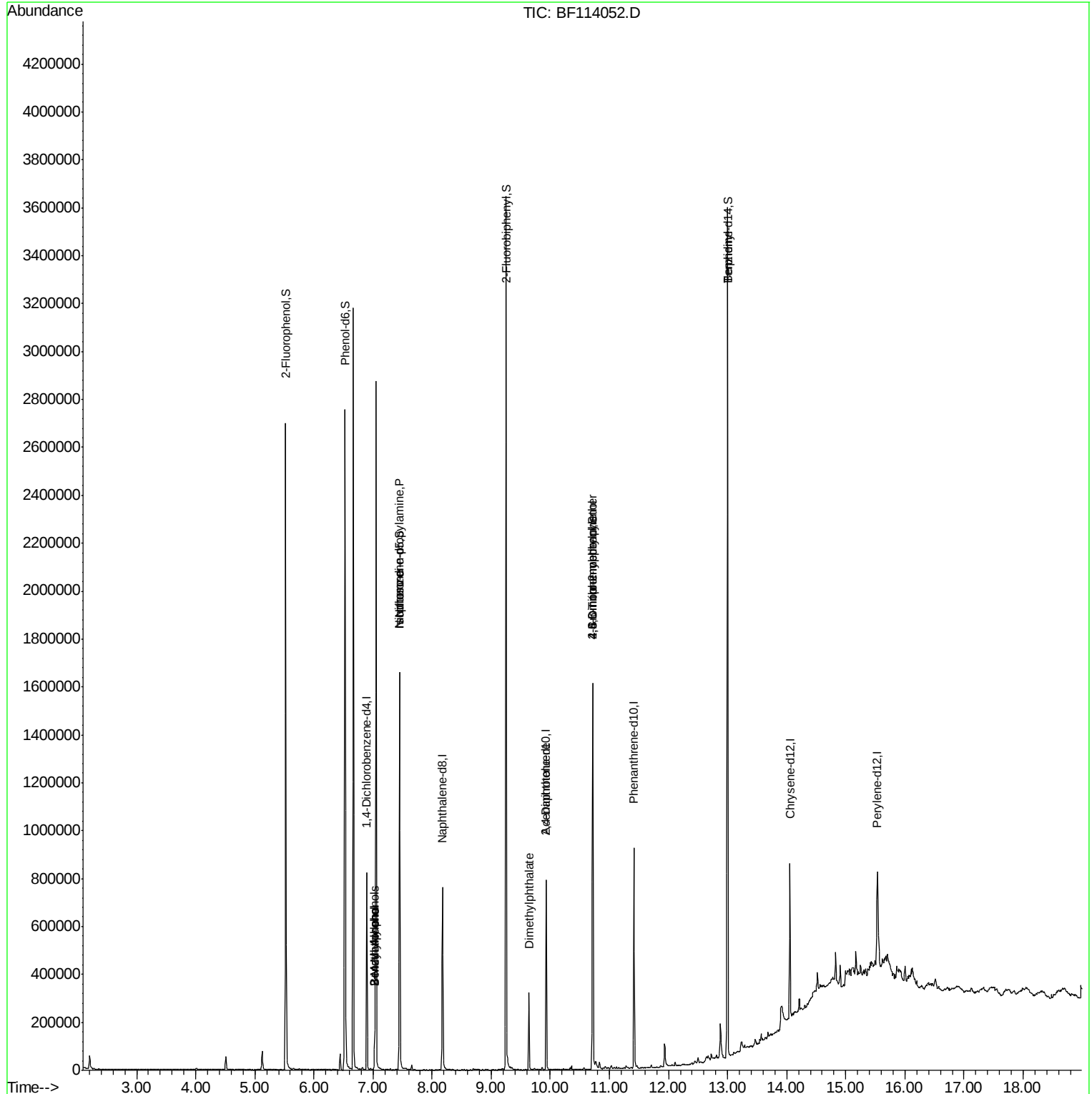
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.53	112	872348	120.41	ng	0.01
7) Phenol-d6	6.53	99	1065234	117.19	ng	0.00
23) Nitrobenzene-d5	7.45	82	578225	93.94	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	230763	107.92	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	1141204	101.69	ng	0.00
79) Terphenyl-d14	13.00	244	1332712	119.14	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.44	77	13750	Below Cal		97
15) Benzyl Alcohol	7.03	79	30457	4.975	ng	98
17) 2-Methylphenol	7.03	107	21319	2.940	ng	# 13
19) n-Nitroso-di-n-propylamine	7.45	70	76196	12.944	ng	# 77
20) 3+4-Methylphenols	7.03	107	21319	2.602	ng	# 9
25) Isophorone	7.45	82	578217	45.908	ng	# 65
50) Dimethylphthalate	9.64	163	139714	11.006	ng	98
57) 2,4-Dinitrotoluene	9.93	165	22030	6.409	ng	# 27
65) 4,6-Dinitro-2-methylphenol	10.72	198	284	7.465	ng	# 1
67) 4-Bromophenyl-phenylether	10.72	248	14002	3.455	ng	# 1
77) Benzydine	13.00	184	14665	2.146	ng	97

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

```
Data Path : Z:\SV0ASRV\HPCHEM1\BNA F\DATA\BF043019\  
Data File : BF114052.D  
Acq On    : 30 Apr 2019   19:42  
Operator  : JU/SJ  
Sample    : K2616-03  
Misc      :  
ALS Vial  : 17      Sample Multiplier: 1
```

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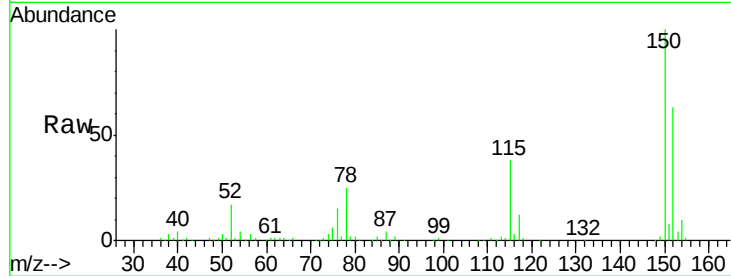


#1

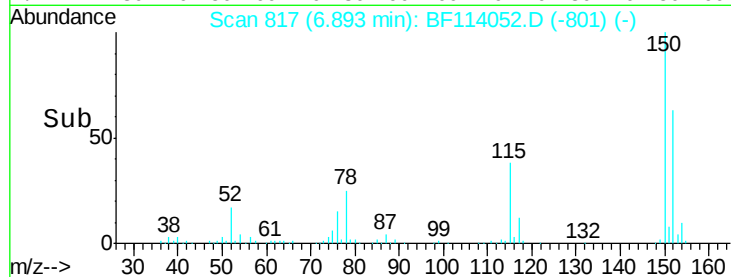
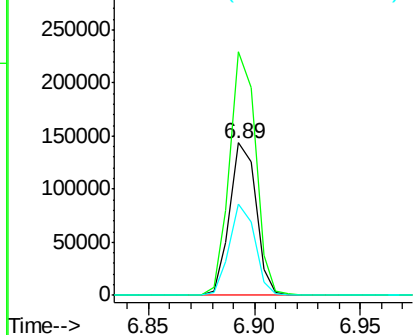
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.01 min
Lab File: BF114052.D
Acq: 30 Apr 2019 19:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.0	125.9	188.9
115	60.3	45.9	68.9



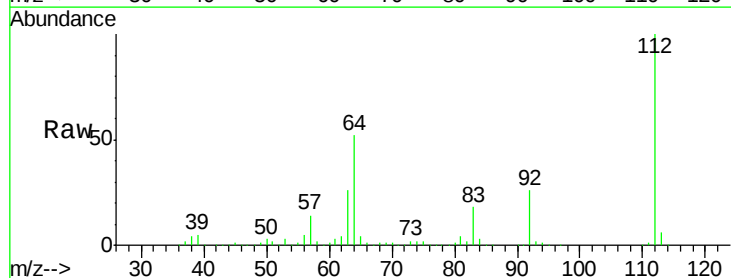
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



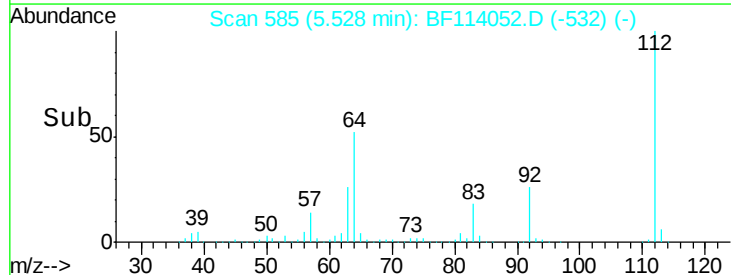
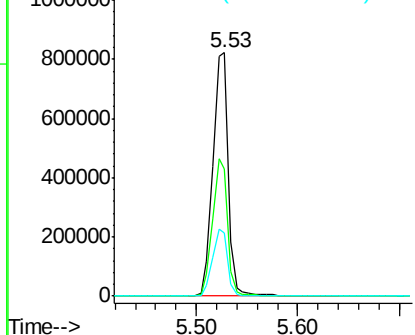
#5

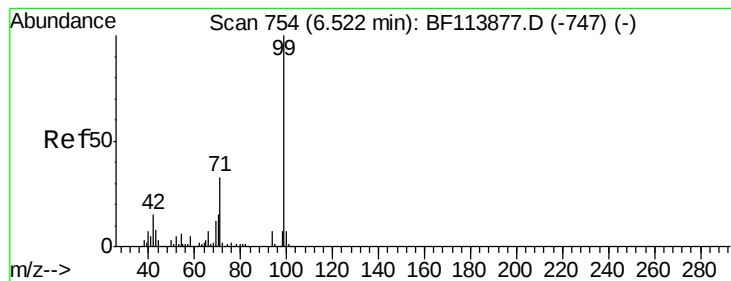
2-Fluorophenol
Concen: 120.406 ng
RT: 5.53 min Scan# 585
Delta R.T. 0.01 min
Lab File: BF114052.D
Acq: 30 Apr 2019 19:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.4	46.6	69.8
63	26.1	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: 117.190 ng

RT: 6.53 min Scan# 755

Delta R.T. 0.01 min

Lab File: BF114052.D

Acq: 30 Apr 2019 19:42

Instrument :

BNA_F

ClientSampleId :

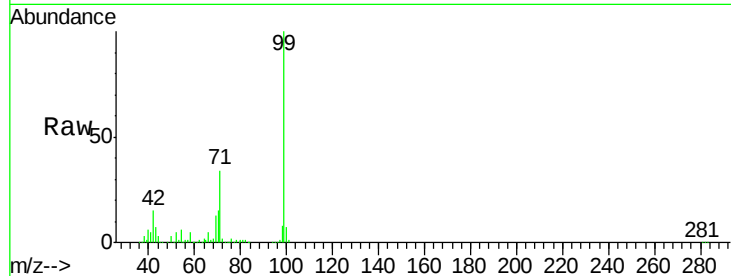
Tot Ion: 99 Resp: 1065234

Ion Ratio Lower Upper

99 100

42 15.3 12.5 18.7

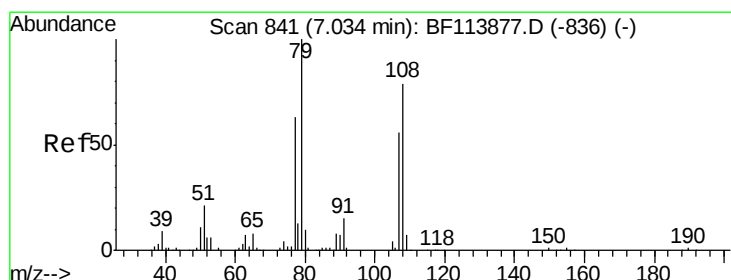
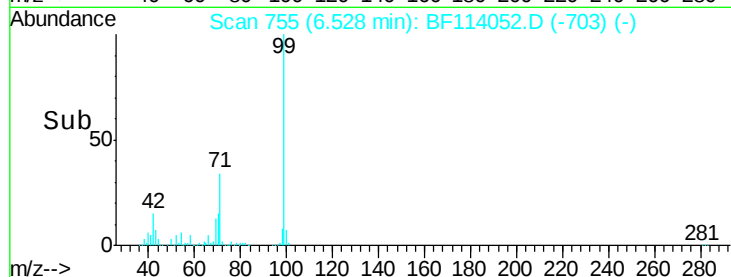
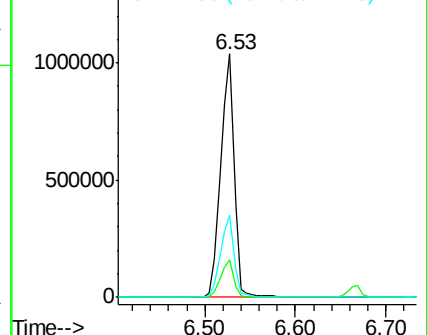
71 34.0 26.9 40.3



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



#15

Benzyl Alcohol

Concen: 4.975 ng

RT: 7.03 min Scan# 840

Delta R.T. -0.01 min

Lab File: BF114052.D

Acq: 30 Apr 2019 19:42

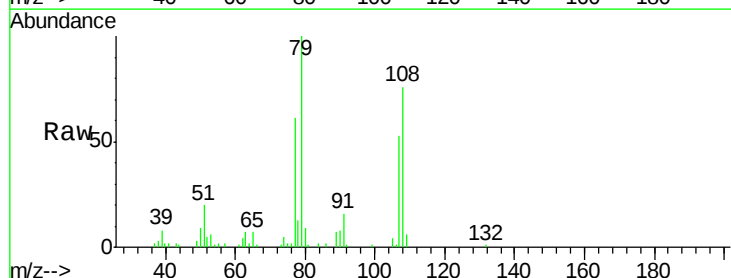
Tgt Ion: 79 Resp: 30457

Ion Ratio Lower Upper

79 100

108 76.3 61.4 92.0

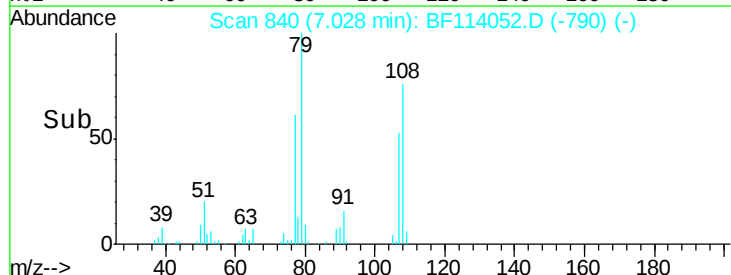
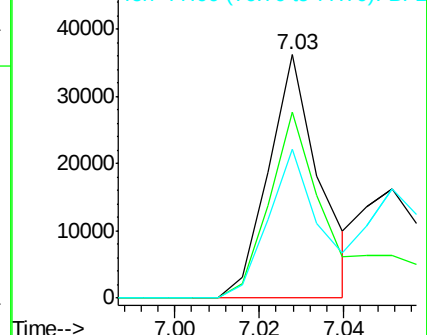
77 61.2 51.6 77.4

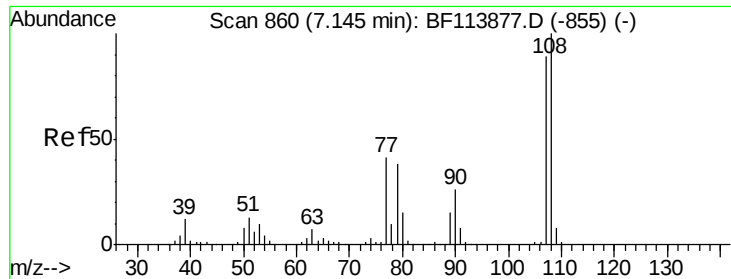


Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

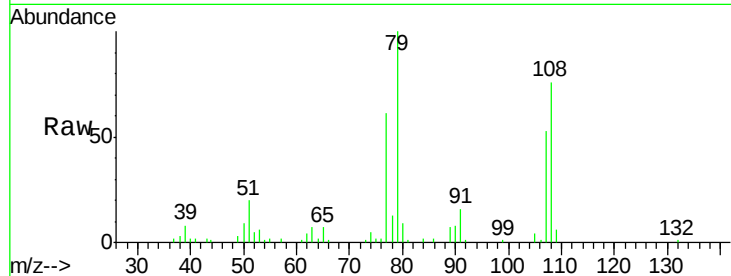




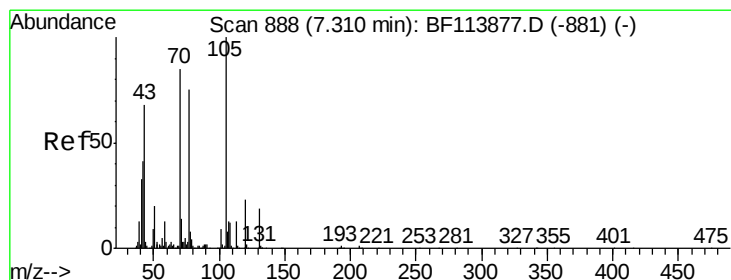
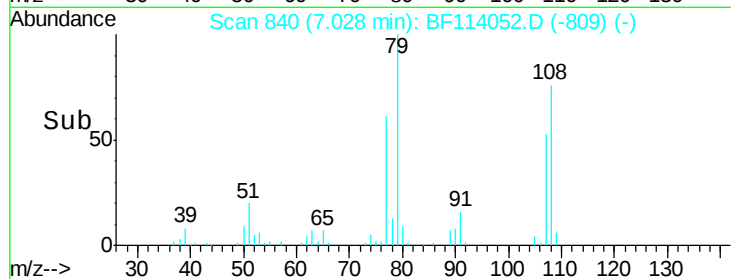
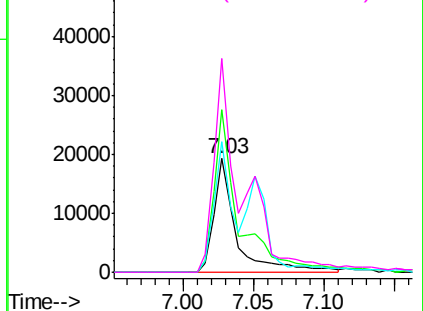
#17
2-Methylphenol
Concen: 2.940 ng
RT: 7.03 min Scan# 840
Delta R.T. -0.12 min
Lab File: BF114052.D
Acq: 30 Apr 2019 19:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion:107 Resp: 21319
Ion Ratio Lower Upper
107 100
108 143.6 91.5 137.3#
77 115.2 36.2 54.4#
79 188.1 35.4 53.0#

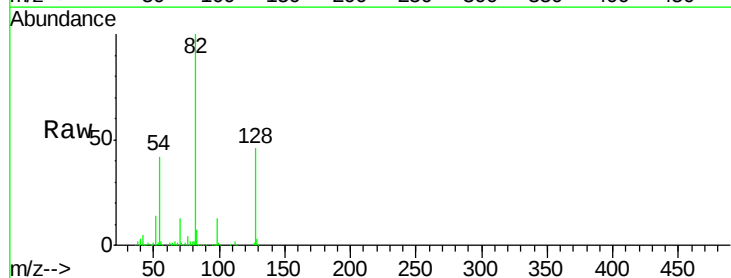


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

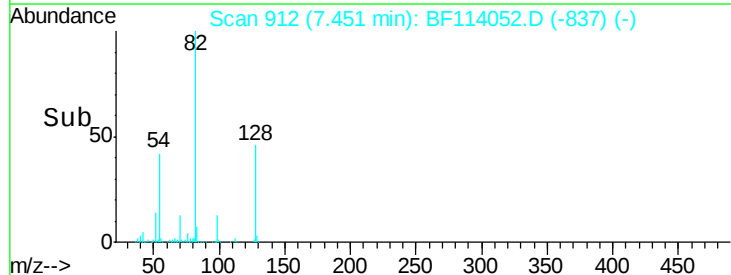
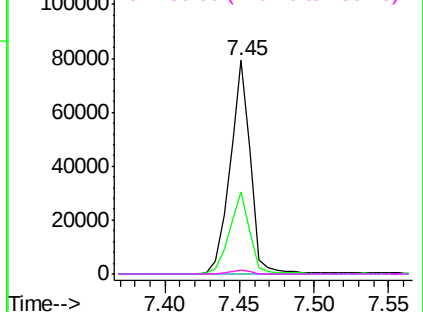


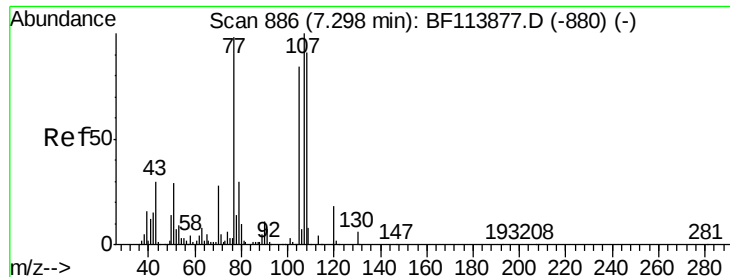
#19
n-Nitroso-di-n-propylamine
Concen: 12.944 ng
RT: 7.45 min Scan# 912
Delta R.T. 0.14 min
Lab File: BF114052.D
Acq: 30 Apr 2019 19:42

Tgt Ion: 70 Resp: 76196
Ion Ratio Lower Upper
70 100
42 38.2 37.3 55.9
101 0.0 7.8 11.8#
130 2.1 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): E
Ion 130.00 (129.70 to 130.70): E

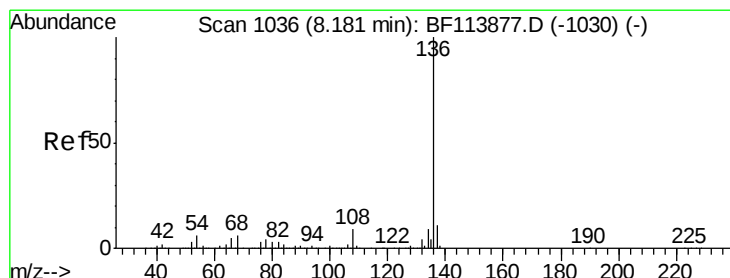
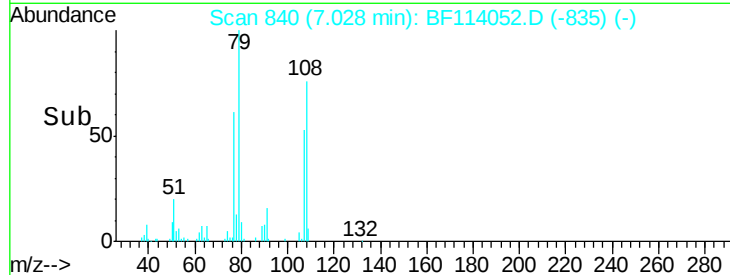
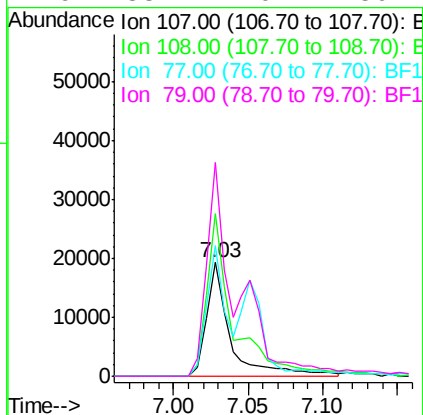
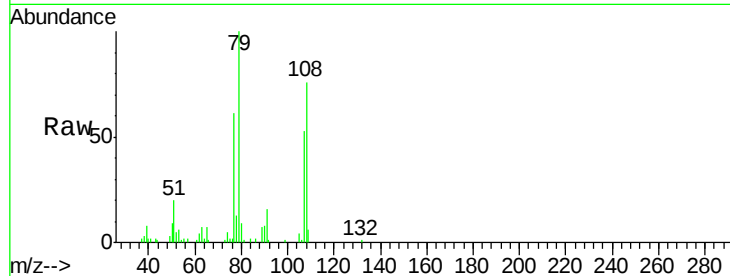




#20
 3+4-Methylphenols
 Concen: 2.602 ng
 RT: 7.03 min Scan# 840
 Delta R.T. -0.27 min
 Lab File: BF114052.D
 Acq: 30 Apr 2019 19:42

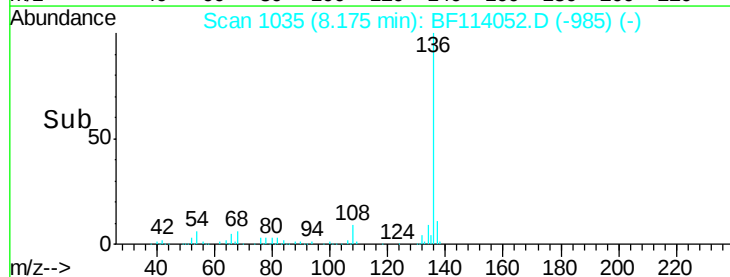
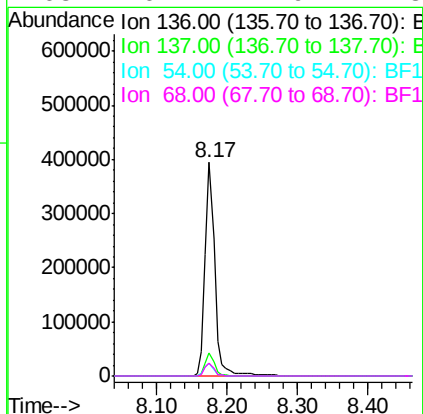
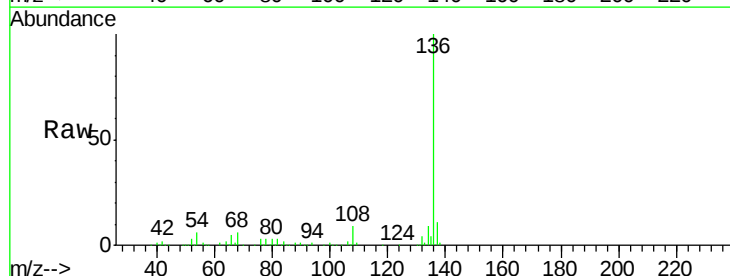
Instrument :
 BNA_F
 ClientSampled :

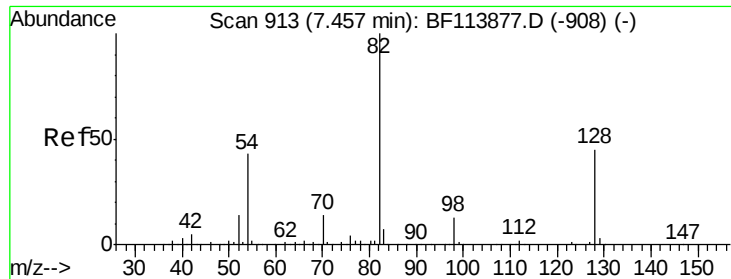
Tot Ion:107 Resp: 21319
 Ion Ratio Lower Upper
 107 100
 108 143.6 70.1 110.1#
 77 115.2 52.9 92.9#
 79 188.1 10.2 50.2#



#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 8.17 min Scan# 1035
 Delta R.T. -0.01 min
 Lab File: BF114052.D
 Acq: 30 Apr 2019 19:42

Tgt Ion:136 Resp: 380068
 Ion Ratio Lower Upper
 136 100
 137 10.9 8.6 12.8
 54 6.3 5.0 7.6
 68 6.1 4.9 7.3

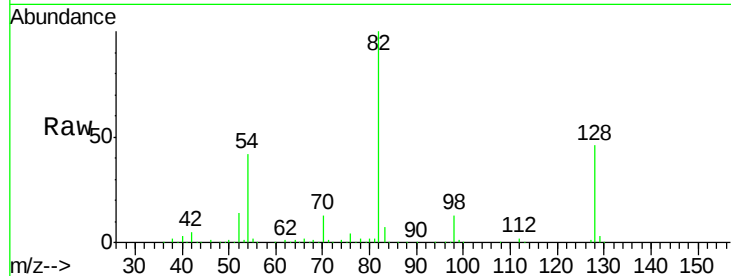




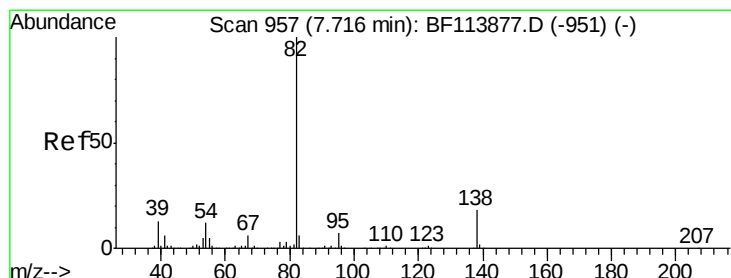
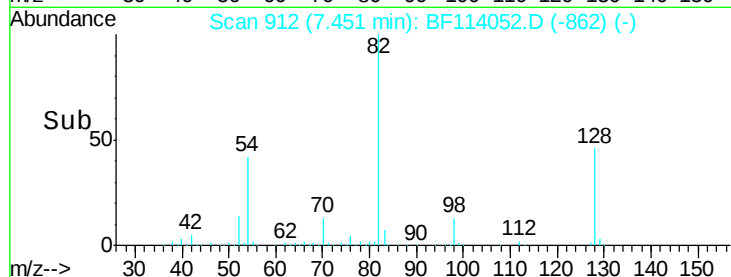
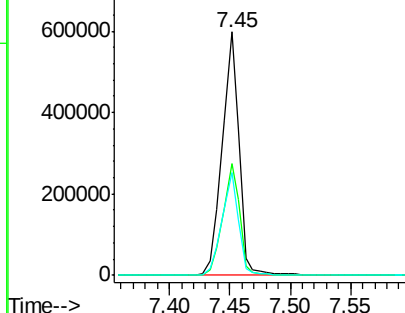
#23
Nitrobenzene-d5
Concen: 93.935 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.01 min
Lab File: BF114052.D
Acq: 30 Apr 2019 19:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	578225
Ion Ratio	Lower	Upper	
82	100		
128	46.1	36.8	55.2
54	42.4	33.8	50.6

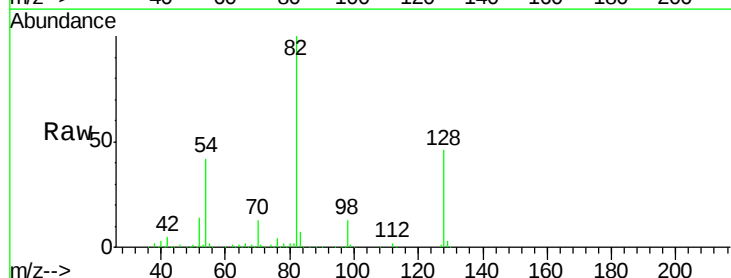


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

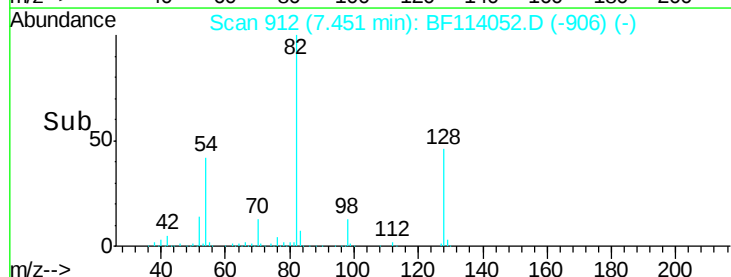
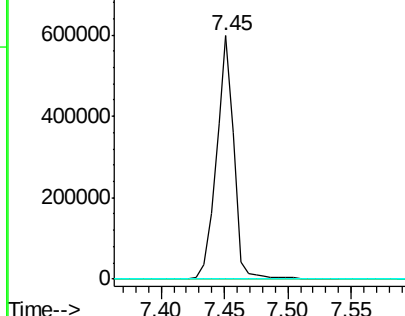


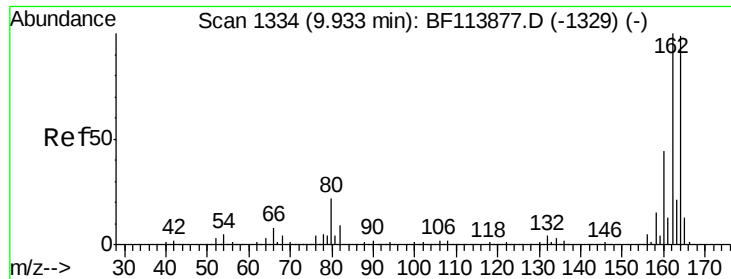
#25
Isophorone
Concen: 45.908 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.26 min
Lab File: BF114052.D
Acq: 30 Apr 2019 19:42

Tgt Ion	82	Resp	578217
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: BF114052.D

Acq: 30 Apr 2019 19:42

Instrument :

BNA_F

ClientSampleId :

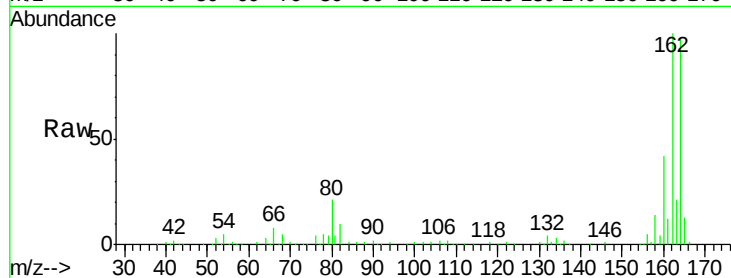
Tot Ion:164 Resp: 175519

Ion Ratio Lower Upper

164 100

162 101.8 81.1 121.7

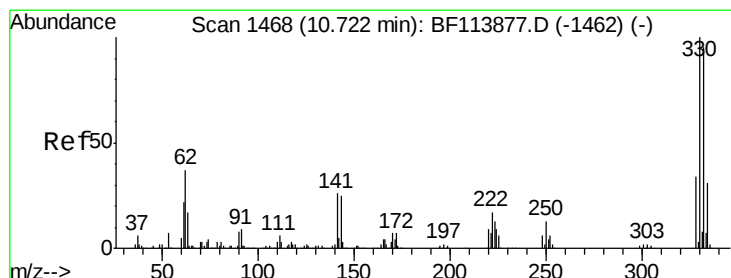
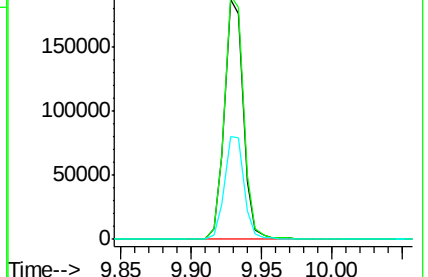
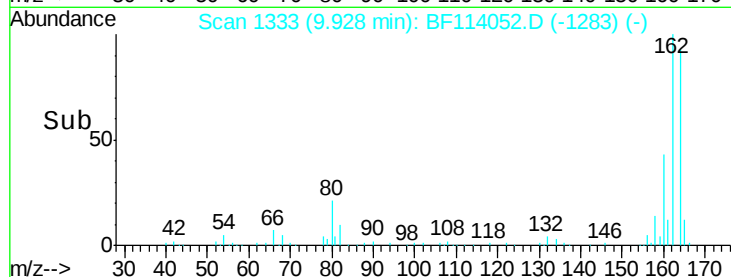
160 43.1 35.8 53.6



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: 107.925 ng

RT: 10.72 min Scan# 1468

Delta R.T. 0.00 min

Lab File: BF114052.D

Acq: 30 Apr 2019 19:42

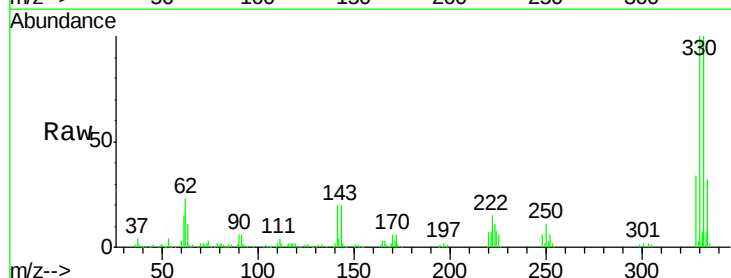
Tgt Ion:330 Resp: 230763

Ion Ratio Lower Upper

330 100

332 97.3 77.5 116.3

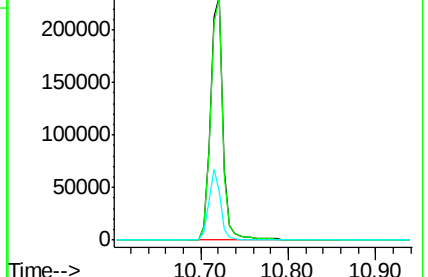
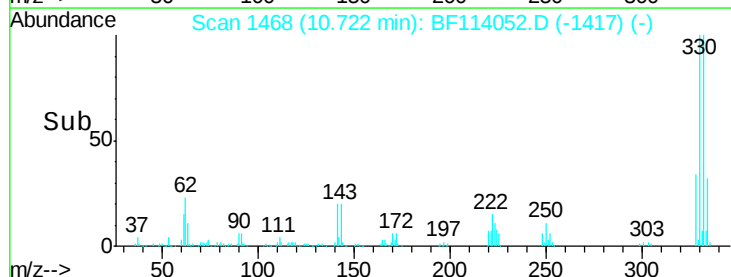
141 27.0 22.2 33.2

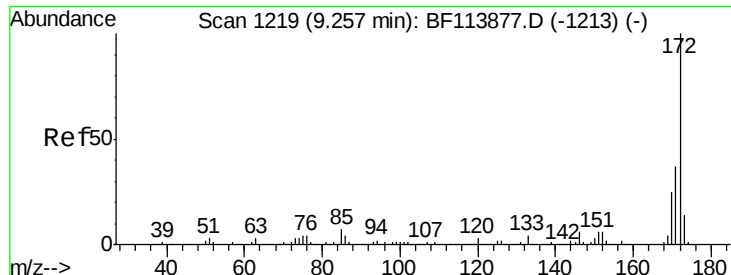


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

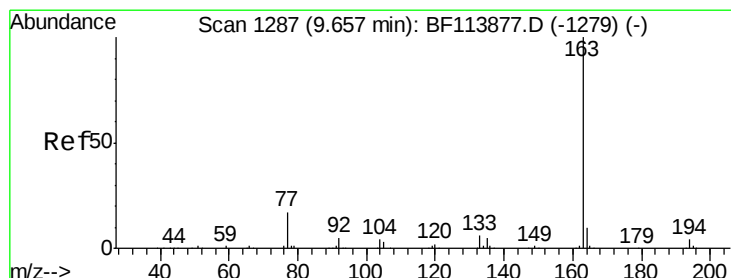
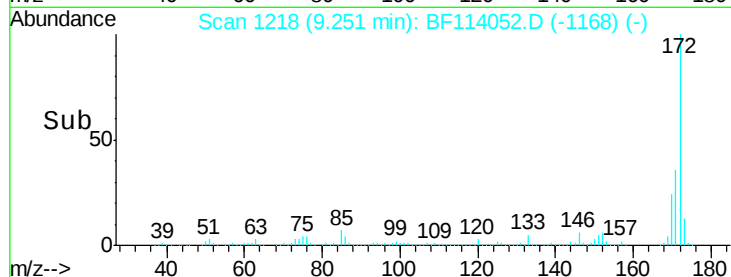
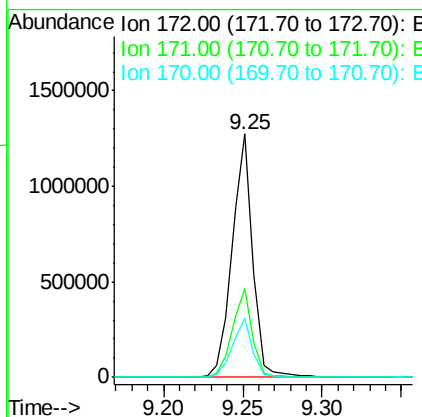
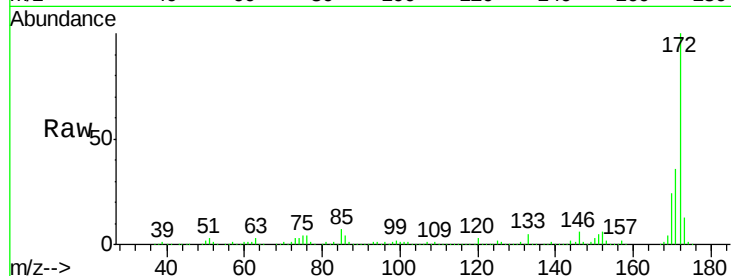




#45
2-Fluorobiphenyl
Concen: 101.691 ng
RT: 9.25 min Scan# 1218
Delta R.T. -0.00 min
Lab File: BF114052.D
Acq: 30 Apr 2019 19:42

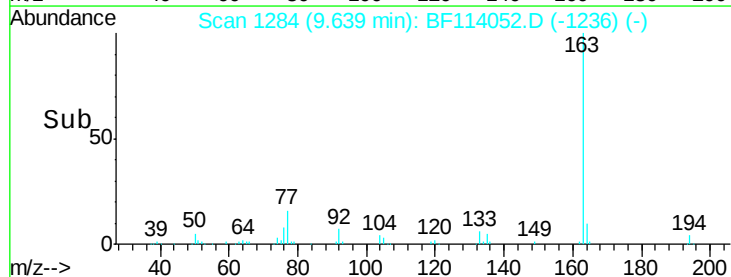
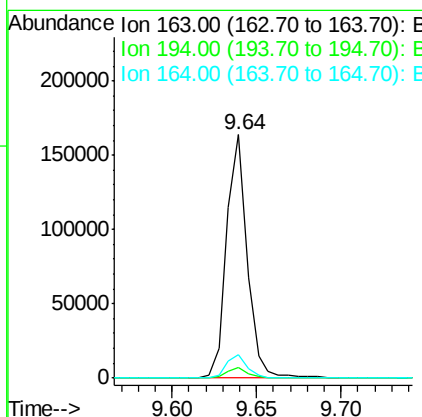
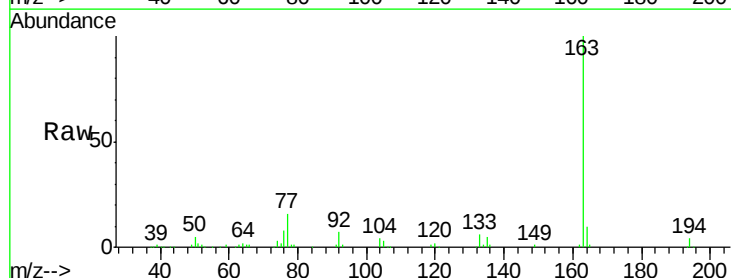
Instrument :
BNA_F
ClientSampleId :

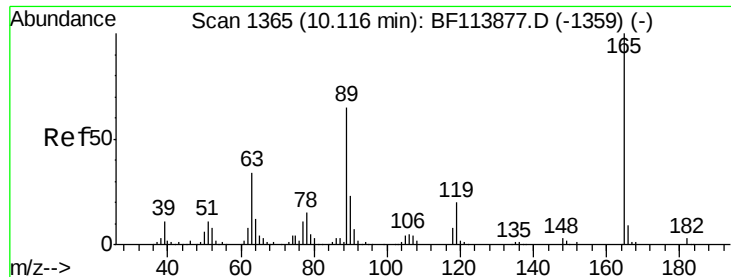
Tot Ion:172 Resp: 1141204
Ion Ratio Lower Upper
172 100
171 36.3 29.4 44.0
170 24.2 19.9 29.9



#50
Dimethylphthalate
Concen: 11.006 ng
RT: 9.64 min Scan# 1284
Delta R.T. -0.02 min
Lab File: BF114052.D
Acq: 30 Apr 2019 19:42

Tgt Ion:163 Resp: 139714
Ion Ratio Lower Upper
163 100
194 4.4 3.4 5.2
164 9.6 8.5 12.7

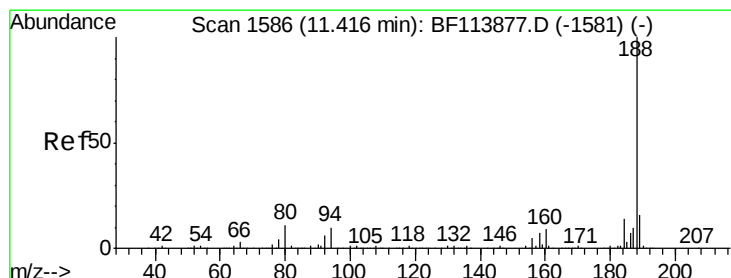
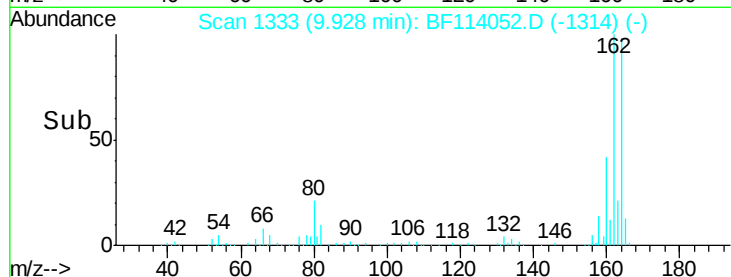
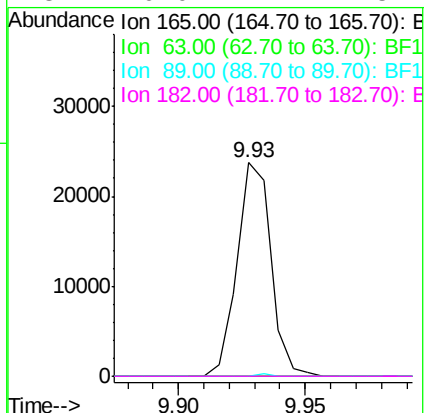
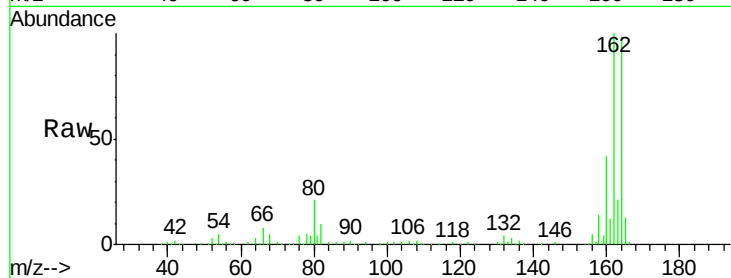




#57
 2,4-Dinitrotoluene
 Concen: 6.409 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. -0.19 min
 Lab File: BF114052.D
 Acq: 30 Apr 2019 19:42

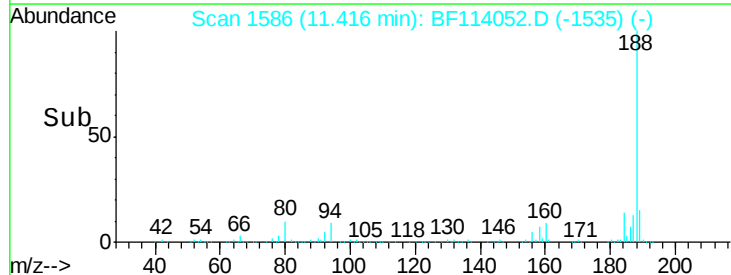
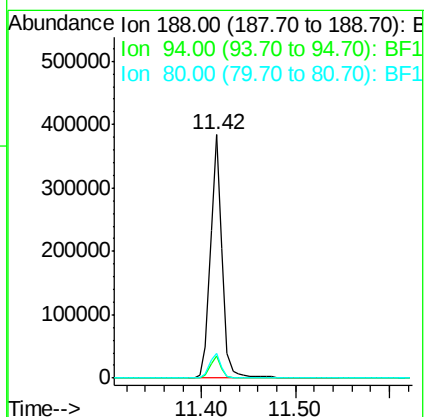
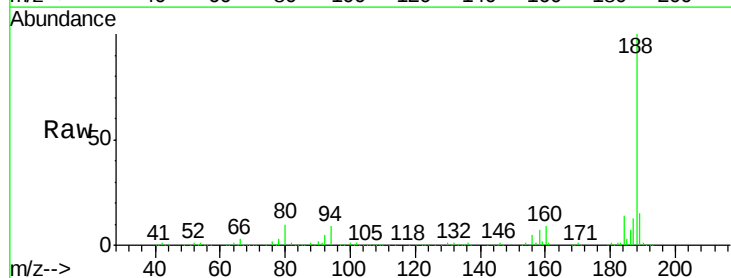
Instrument :
 BNA_F
 ClientSampleId :

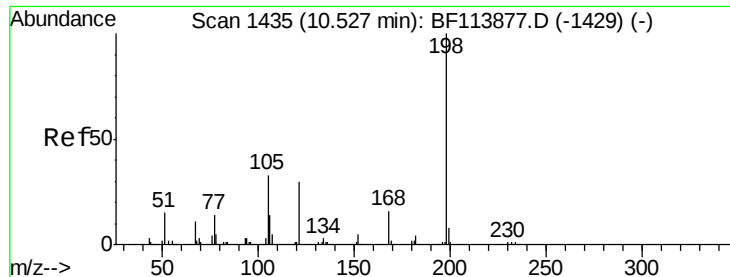
Tot Ion:165	Resp:	22030
Ion Ratio	Lower	Upper
165	100	
63	0.0	27.4 41.0#
89	0.0	51.8 77.6#
182	0.0	2.2 3.2#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: BF114052.D
 Acq: 30 Apr 2019 19:42

Tgt Ion:188	Resp:	335440
Ion Ratio	Lower	Upper
188	100	
94	9.0	8.2 12.4
80	10.0	9.0 13.6





#65

4,6-Dinitro-2-methylphenol

Concen: 7.465 ng

RT: 10.72 min Scan# 1467

Delta R.T. 0.19 min

Lab File: BF114052.D

Acq: 30 Apr 2019 19:42

Instrument :

BNA_F

ClientSampleId :

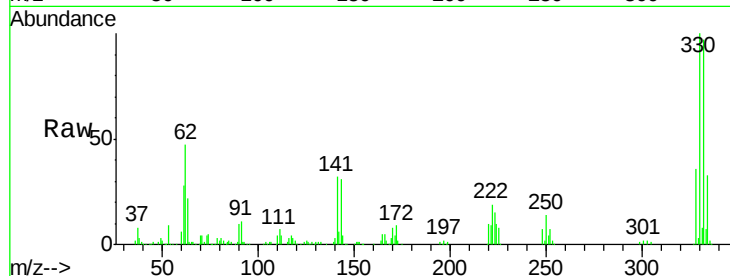
Tot Ion:198 Resp: 284

Ion Ratio Lower Upper

198 100

51 219.2 11.1 51.1#

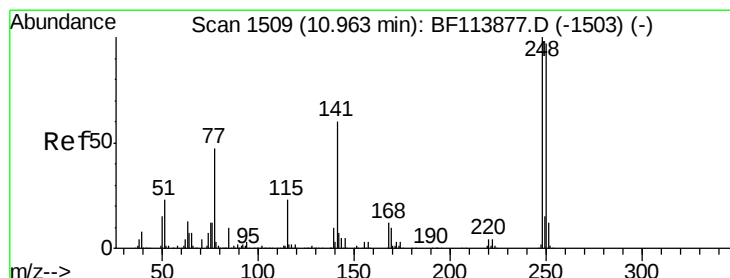
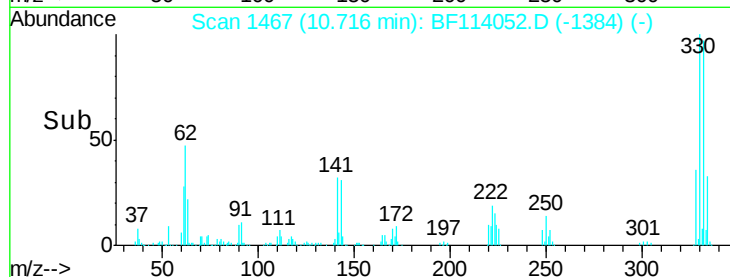
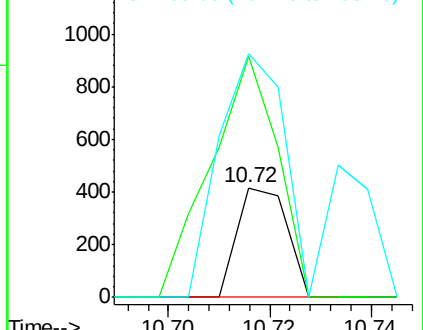
105 221.8 20.7 60.7#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#67

4-Bromophenyl-phenylether

Concen: 3.455 ng

RT: 10.72 min Scan# 1467

Delta R.T. -0.25 min

Lab File: BF114052.D

Acq: 30 Apr 2019 19:42

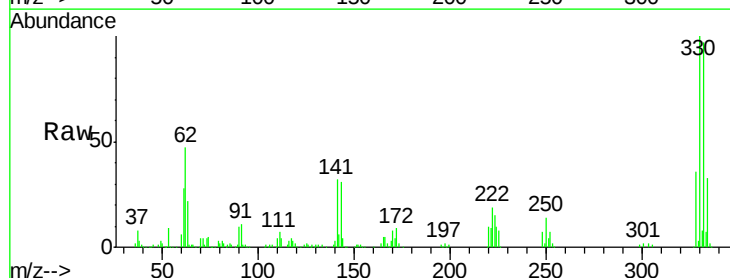
Tgt Ion:248 Resp: 14002

Ion Ratio Lower Upper

248 100

250 199.9 75.8 113.6#

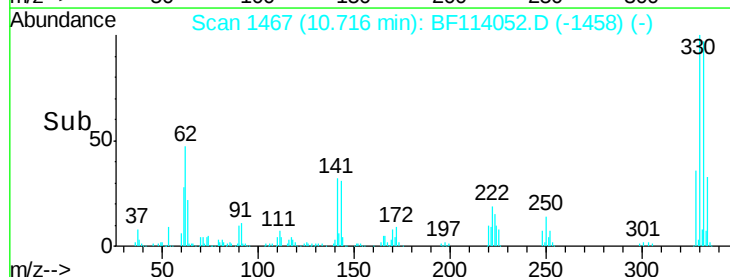
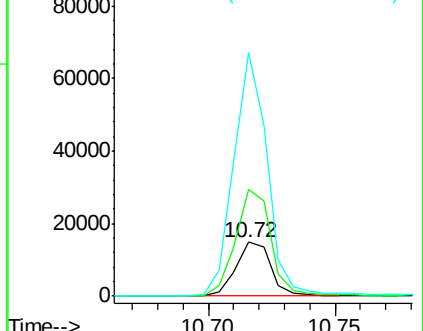
141 454.1 50.2 75.4#

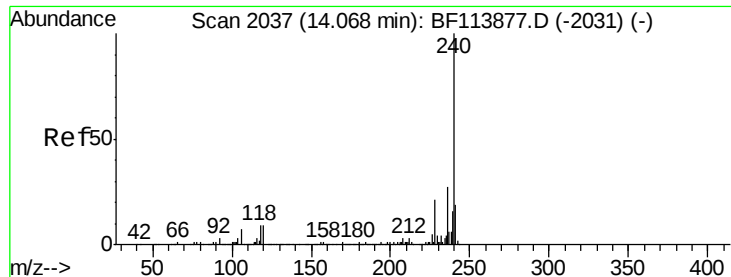


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

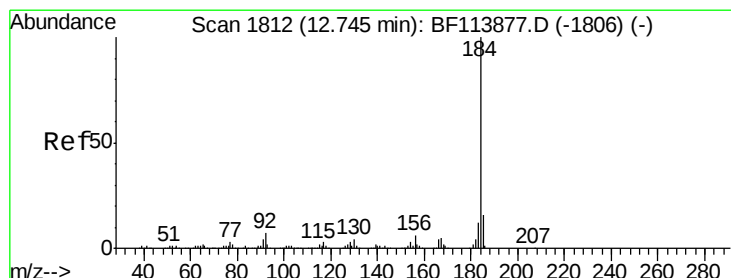
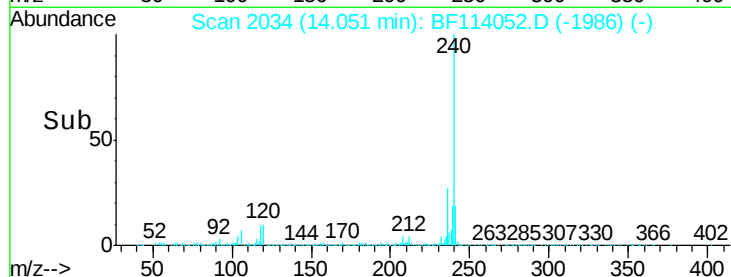
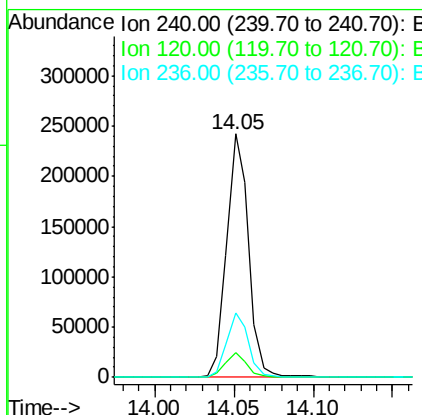
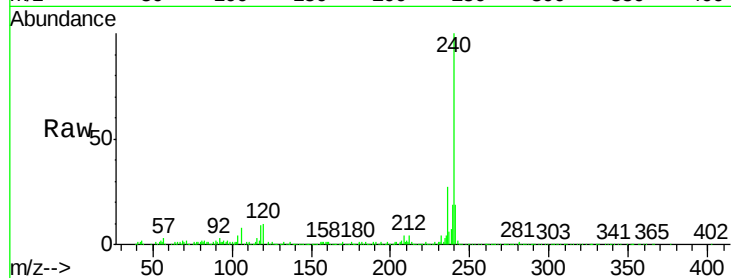




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.02 min
Lab File: BF114052.D
Acq: 30 Apr 2019 19:42

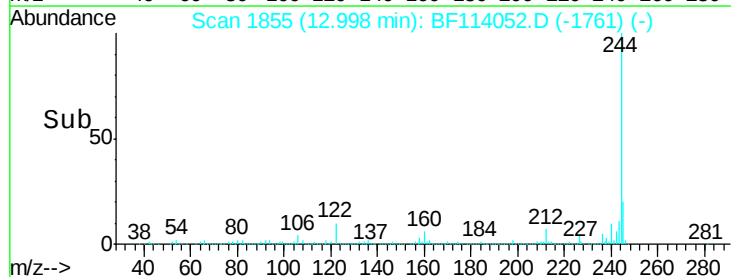
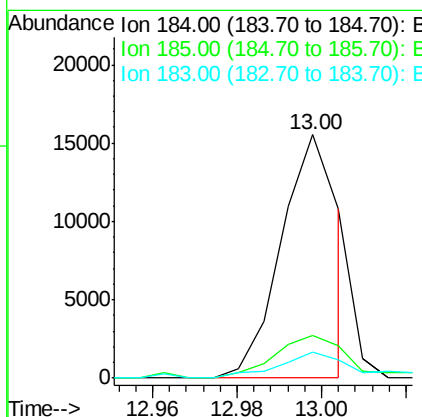
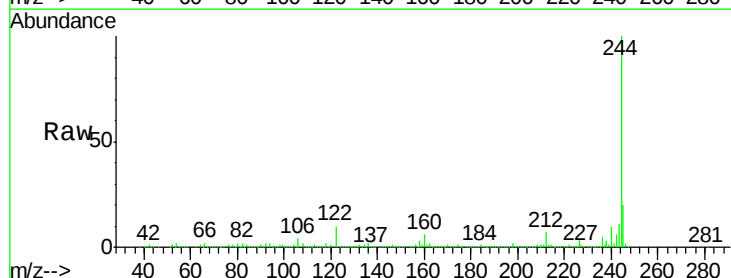
Instrument :
BNA_F
ClientSampleId :

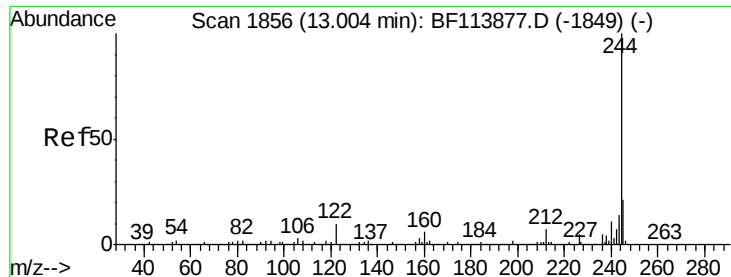
Tot Ion:240 Resp: 229323
Ion Ratio Lower Upper
240 100
120 10.3 9.3 13.9
236 26.6 21.2 31.8



#77
Benzidine
Concen: 2.146 ng
RT: 13.00 min Scan# 1855
Delta R.T. 0.25 min
Lab File: BF114052.D
Acq: 30 Apr 2019 19:42

Tgt Ion:184 Resp: 14665
Ion Ratio Lower Upper
184 100
185 17.7 13.0 19.6
183 10.9 9.4 14.0





#79

Terphenyl-d14

Concen: 119.144 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.01 min

Lab File: BF114052.D

Acq: 30 Apr 2019 19:42

Instrument :

BNA_F

ClientSampleId :

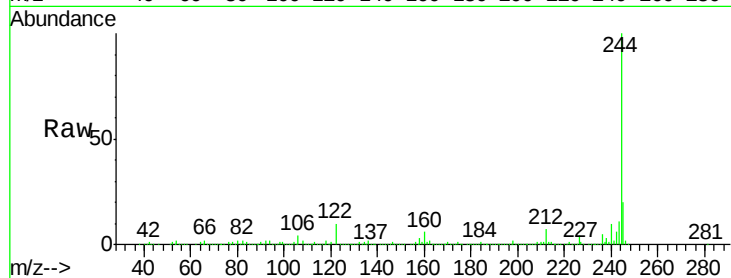
Tot Ion:244 Resp: 1332712

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.2

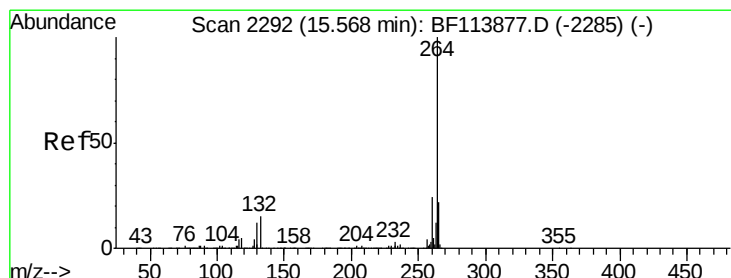
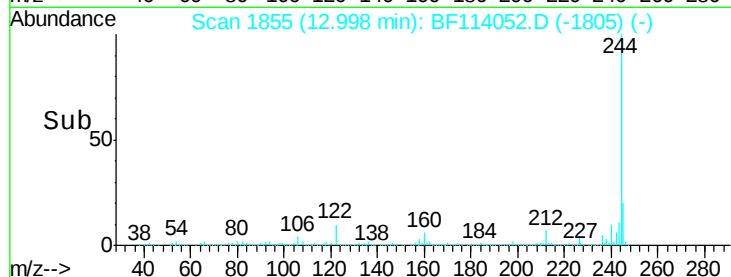
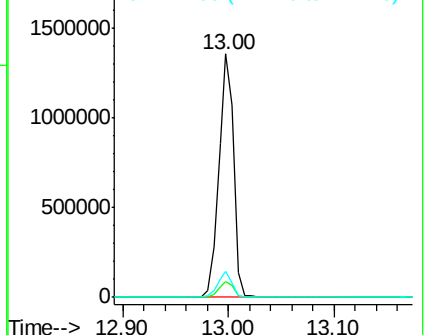
122 10.4 7.6 11.4



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: 15.53 min Scan# 2286

Delta R.T. -0.04 min

Lab File: BF114052.D

Acq: 30 Apr 2019 19:42

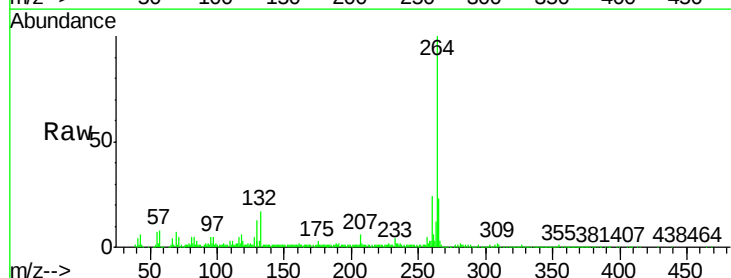
Tgt Ion:264 Resp: 210782

Ion Ratio Lower Upper

264 100

260 24.0 18.9 28.3

265 23.1 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

