

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF043019\
 Data File : BF114051.D
 Acq On : 30 Apr 2019 19:16
 Operator : JU/SJ
 Sample : K2616-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 30 23:04:28 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	102128	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	349049	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	156624	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	307377	20.00	ng	0.00
76) Chrysene-d12	14.05	240	220379	20.00	ng	-0.02
87) Perylene-d12	15.54	264	185434	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	674309	112.93	ng	0.00
7) Phenol-d6	6.53	99	912279	121.77	ng	0.00
23) Nitrobenzene-d5	7.45	82	486059	85.98	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	204620	107.24	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	986377	98.50	ng	0.00
79) Terphenyl-d14	13.00	244	1139098	105.97	ng	0.00

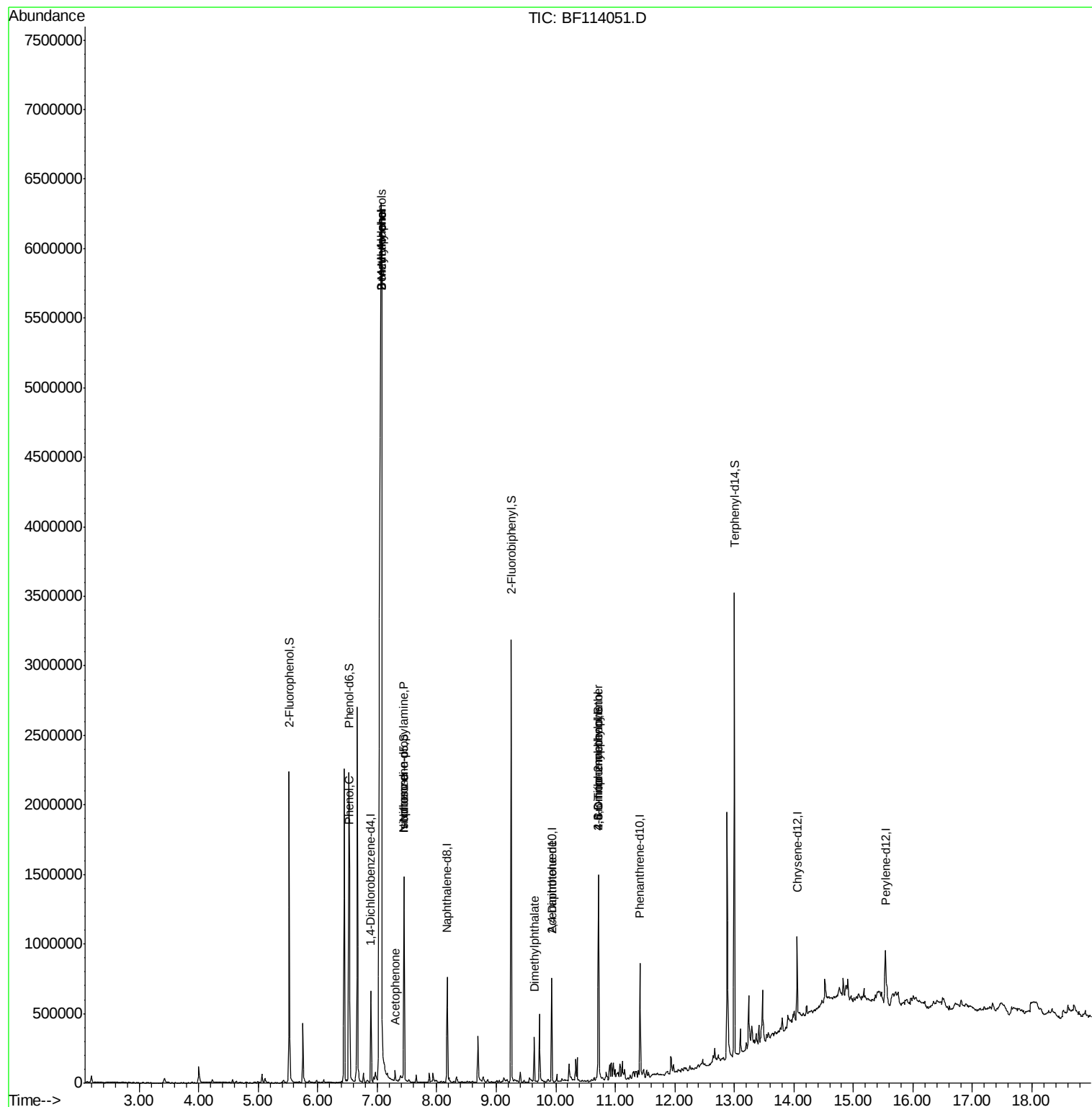
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.45	77	450980	Below Cal		96
10) Phenol	6.54	94	84688	9.454	ng	96
15) Benzyl Alcohol	7.07	79	3146627	623.647	ng	99
17) 2-Methylphenol	7.07	107	1724729	288.619	ng	# 21
19) n-Nitroso-di-n-propylamine	7.45	70	65528	13.507	ng	# 77
20) 3+4-Methylphenols	7.07	107	1724719	255.456	ng	# 17
22) Acetophenone	7.30	105	22052	2.839	ng	# 90
25) Isophorone	7.45	82	486054	42.020	ng	# 65
50) Dimethylphthalate	9.64	163	129541	11.436	ng	# 98
57) 2,4-Dinitrotoluene	9.93	165	19811	6.459	ng	# 30
65) 4,6-Dinitro-2-methylphenol	10.72	198	161	7.405	ng	# 1
67) 4-Bromophenyl-phenylether	10.72	248	12510	3.369	ng	# 1

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

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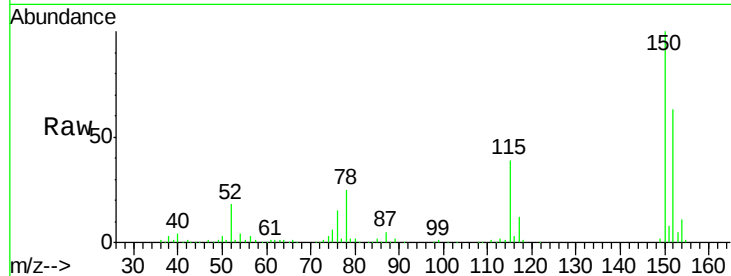


#1

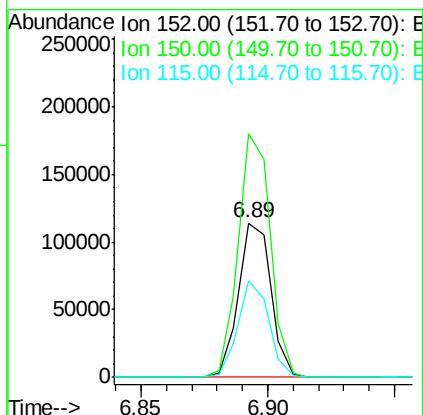
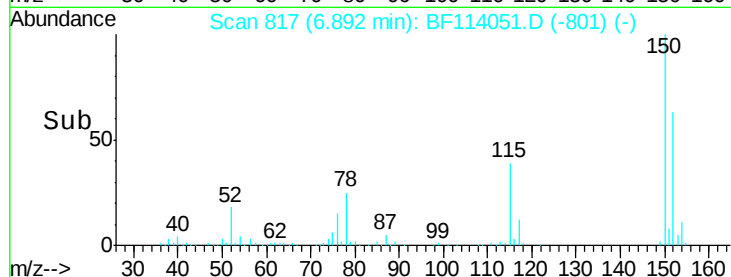
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.01 min
Lab File: BF114051.D
Acq: 30 Apr 2019 19:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.1	125.9	188.9
115	62.4	45.9	68.9



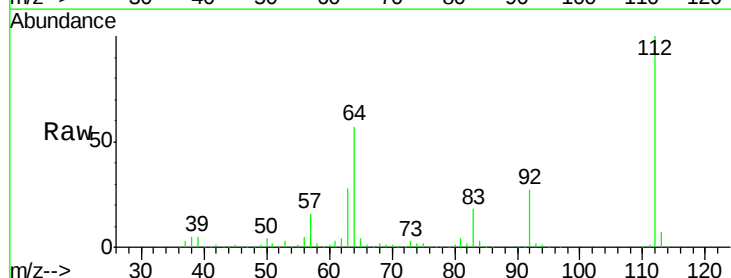
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



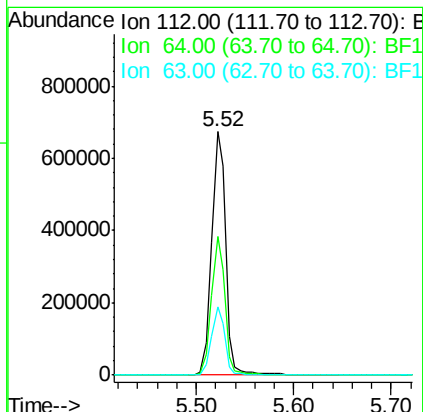
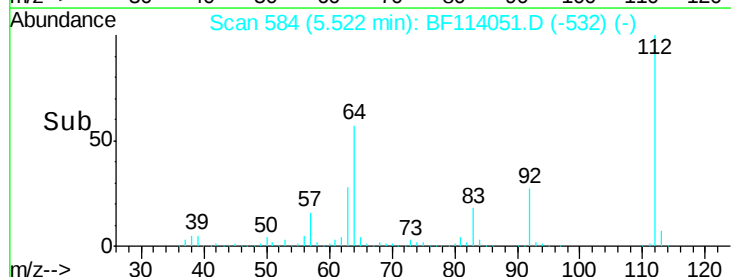
#5

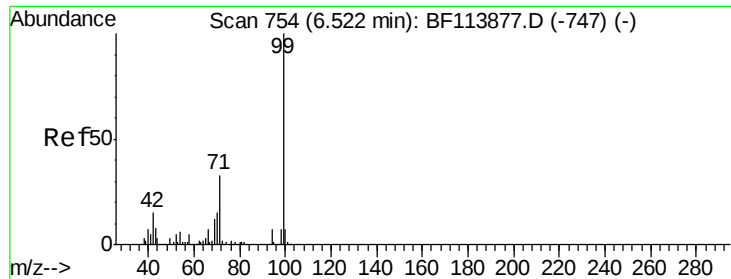
2-Fluorophenol
Concen: 112.928 ng
RT: 5.52 min Scan# 584
Delta R.T. 0.01 min
Lab File: BF114051.D
Acq: 30 Apr 2019 19:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.0	46.6	69.8
63	27.9	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: 121.775 ng

RT: 6.53 min Scan# 755

Delta R.T. 0.01 min

Lab File: BF114051.D

Acq: 30 Apr 2019 19:16

Instrument :

BNA_F

ClientSampleId :

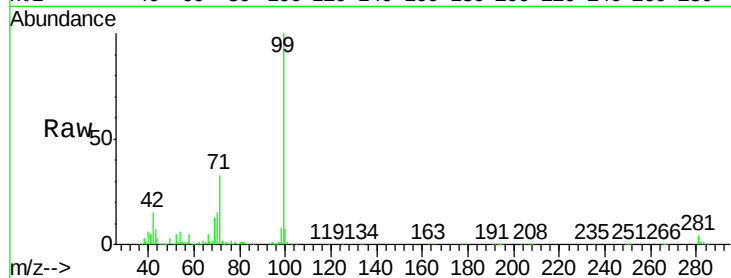
Tot Ion: 99 Resp: 912279

Ion Ratio Lower Upper

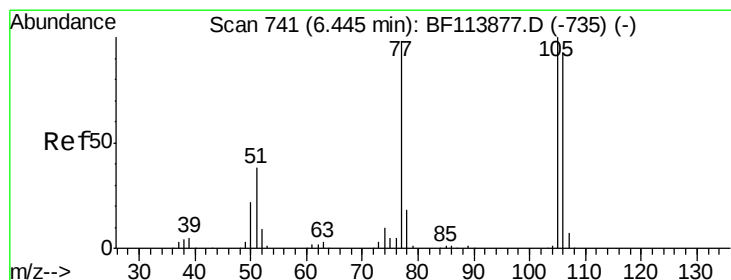
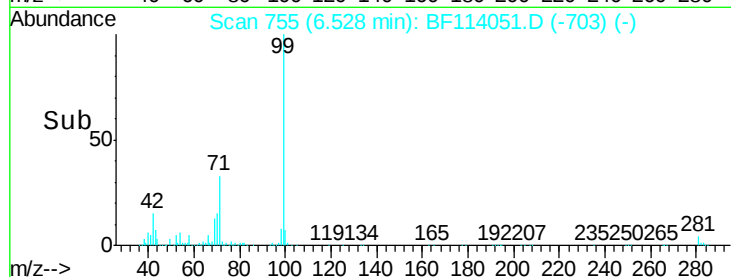
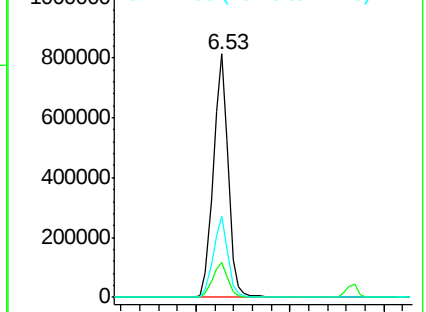
99 100

42 14.6 12.5 18.7

71 33.3 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



#9

Benzaldehyde

Concen: Below Cal

RT: 6.45 min Scan# 741

Delta R.T. 0.00 min

Lab File: BF114051.D

Acq: 30 Apr 2019 19:16

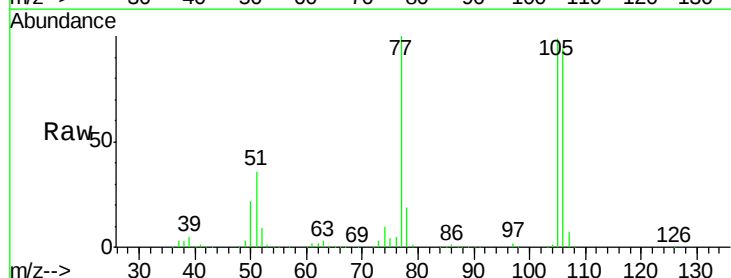
Tgt Ion: 77 Resp: 450980

Ion Ratio Lower Upper

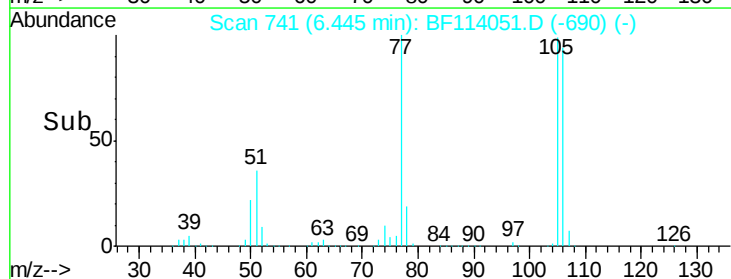
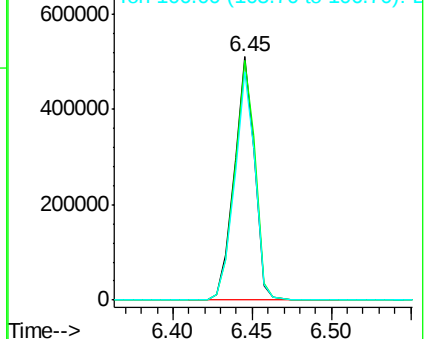
77 100

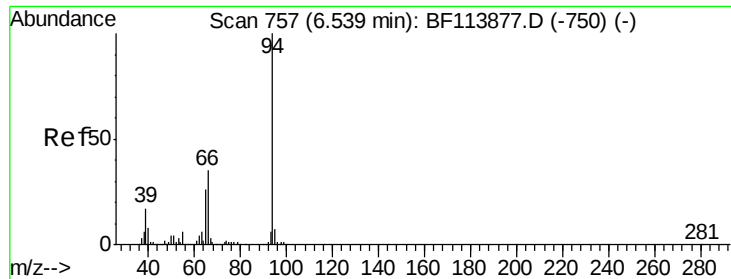
105 98.6 74.1 114.1

106 93.5 70.3 110.3



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 9.454 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.00 min

Lab File: BF114051.D

Acq: 30 Apr 2019 19:16

Instrument :

BNA_F

ClientSampled :

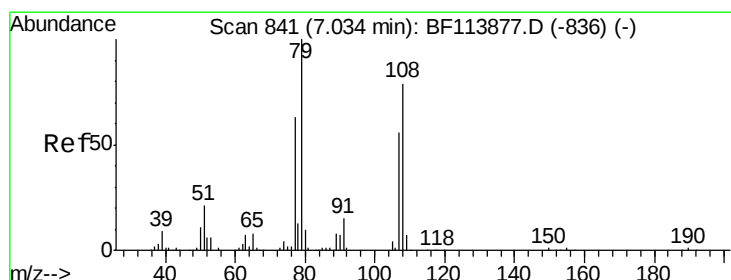
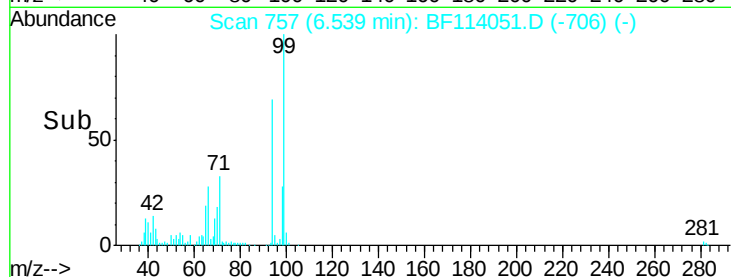
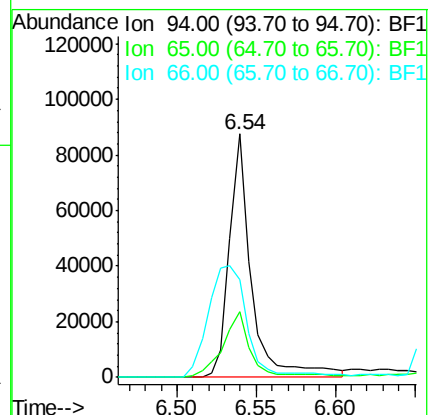
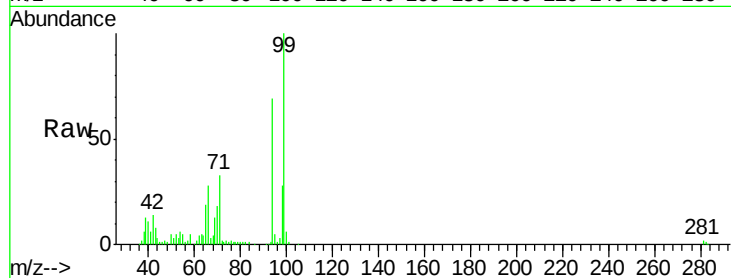
Tot Ion: 94 Resp: 84688

Ion Ratio Lower Upper

94 100

65 27.0 8.1 48.1

66 40.3 16.6 56.6



#15

Benzyl Alcohol

Concen: 623.647 ng

RT: 7.07 min Scan# 847

Delta R.T. 0.04 min

Lab File: BF114051.D

Acq: 30 Apr 2019 19:16

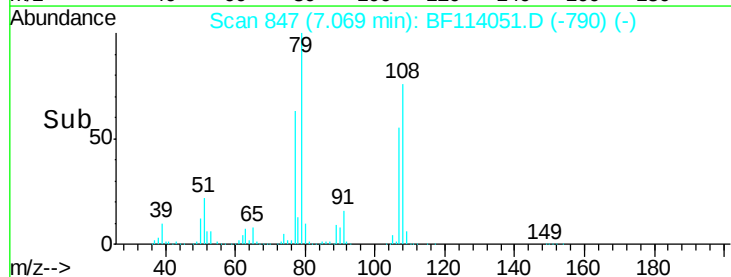
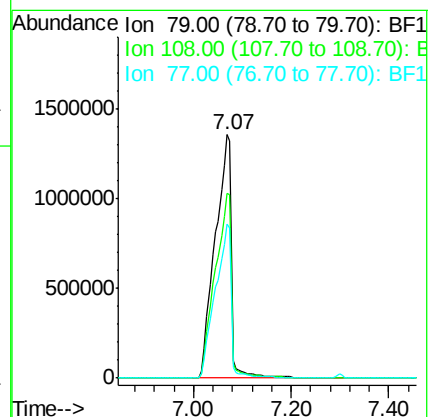
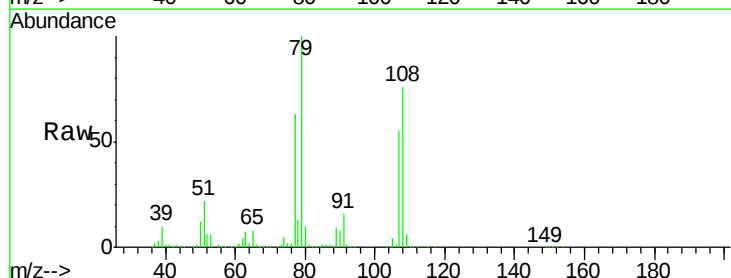
Tgt Ion: 79 Resp: 3146627

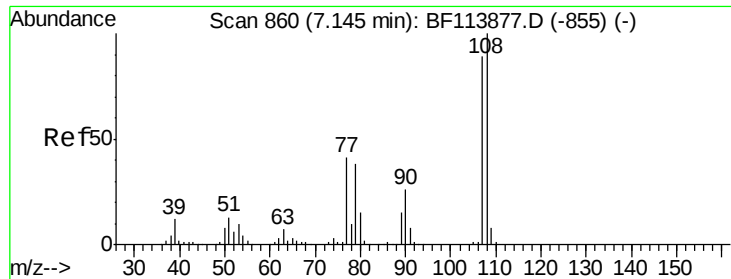
Ion Ratio Lower Upper

79 100

108 76.1 61.4 92.0

77 63.4 51.6 77.4





#17

2-Methylphenol

Concen: 288.619 ng

RT: 7.07 min Scan# 848

Delta R.T. -0.07 min

Lab File: BF114051.D

Acq: 30 Apr 2019 19:16

Instrument :

BNA_F

ClientSampled :

Tot Ion:107 Resp: 1724729

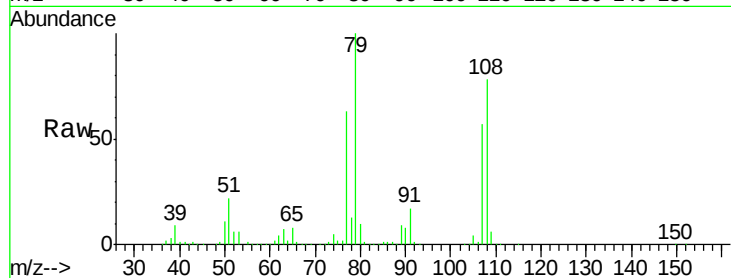
Ion Ratio Lower Upper

107 100

108 137.0 91.5 137.3

77 112.0 36.2 54.4#

79 176.6 35.4 53.0#



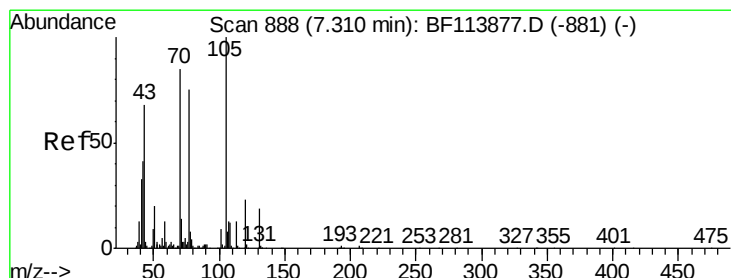
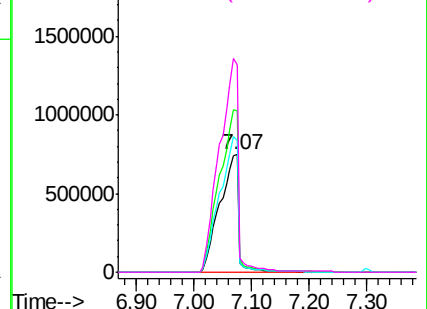
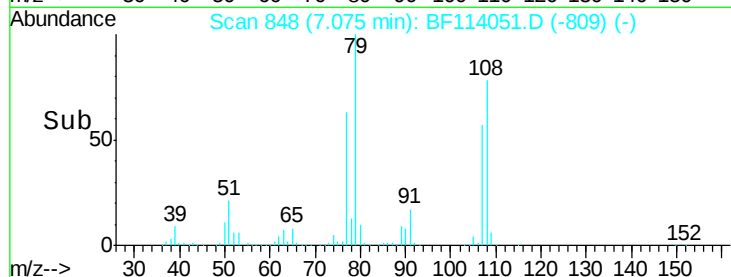
Abundance

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: 13.507 ng

RT: 7.45 min Scan# 912

Delta R.T. 0.14 min

Lab File: BF114051.D

Acq: 30 Apr 2019 19:16

Tgt Ion: 70 Resp: 65528

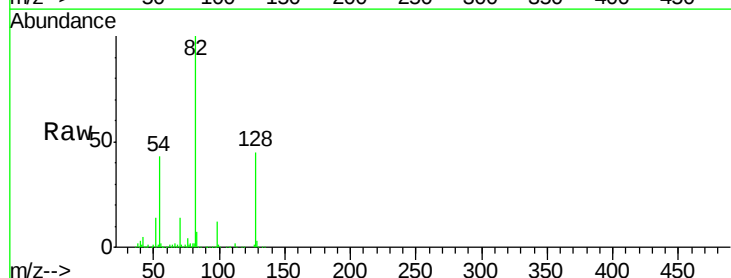
Ion Ratio Lower Upper

70 100

42 38.4 37.3 55.9

101 0.0 7.8 11.8#

130 2.2 18.2 27.2#



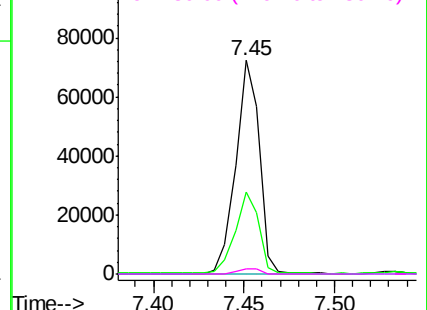
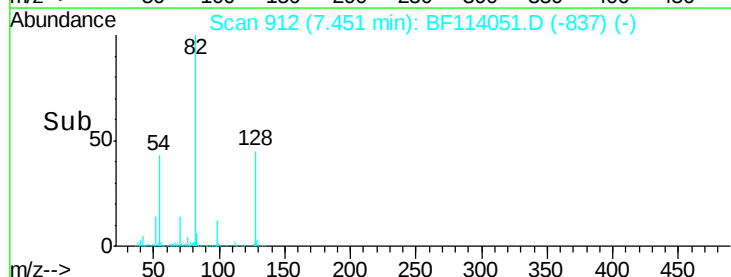
Abundance

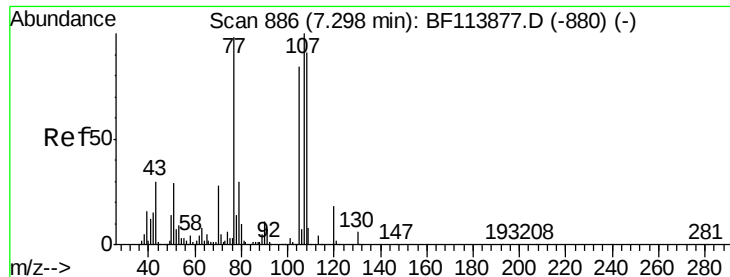
Ion 70.00 (69.70 to 70.70): BF1

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: 255.456 ng

RT: 7.07 min Scan# 848

Delta R.T. -0.22 min

Lab File: BF114051.D

Acq: 30 Apr 2019 19:16

Instrument :

BNA_F

ClientSampleId :

Tot Ion:107 Resp: 1724719

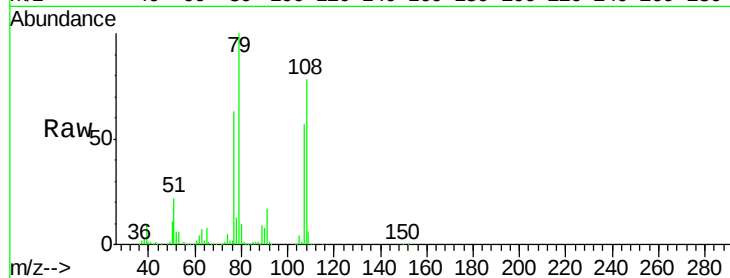
Ion Ratio Lower Upper

107 100

108 137.0 70.1 110.1#

77 112.0 52.9 92.9#

79 176.6 10.2 50.2#

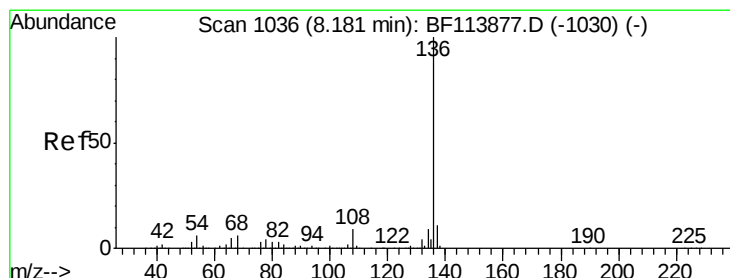
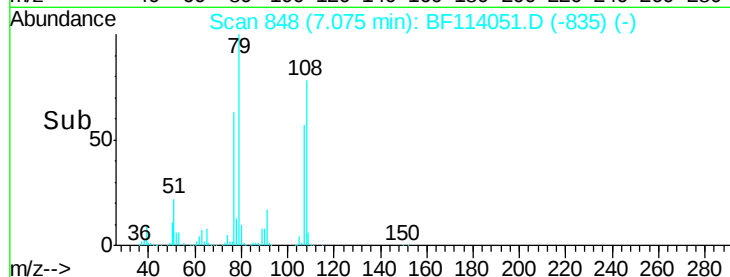
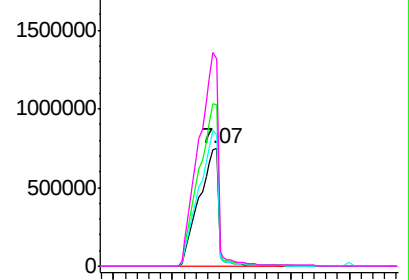


Abundance Ion 107.00 (106.70 to 107.70): E

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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF114051.D

Acq: 30 Apr 2019 19:16

Tgt Ion:136 Resp: 349049

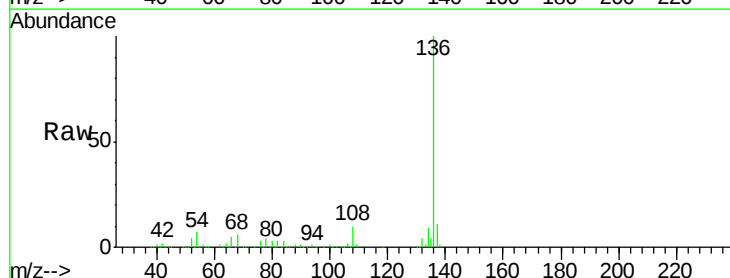
Ion Ratio Lower Upper

136 100

137 11.0 8.6 12.8

54 6.7 5.0 7.6

68 6.2 4.9 7.3

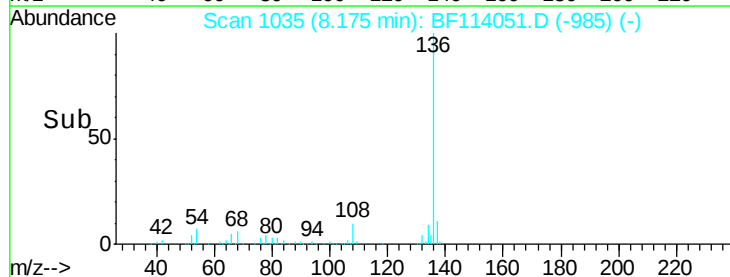
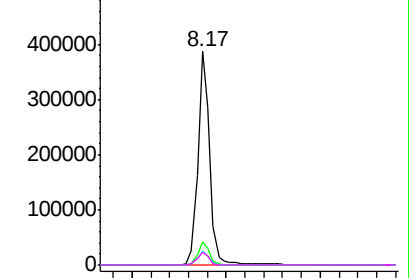


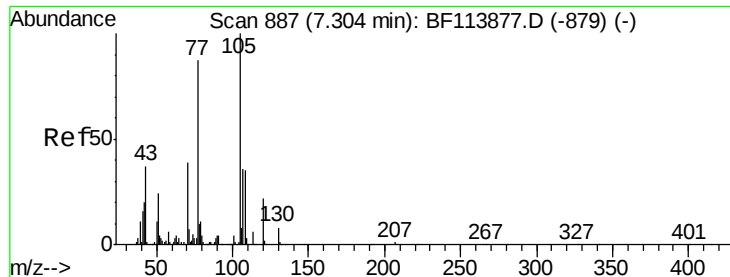
Abundance Ion 136.00 (135.70 to 136.70): E

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





#22

Acetophenone

Concen: 2.839 ng

RT: 7.30 min Scan# 886

Delta R.T. -0.01 min

Lab File: BF114051.D

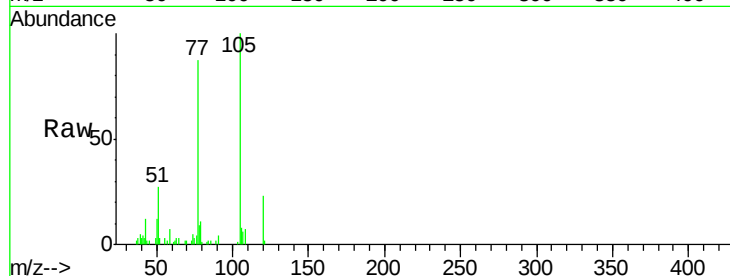
Acq: 30 Apr 2019 19:16

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	105	Resp:	22052
Ion Ratio	Lower	Upper	
105	100		
71	0.0	6.1	9.1#
51	27.4	16.8	25.2#
120	22.7	17.6	26.4

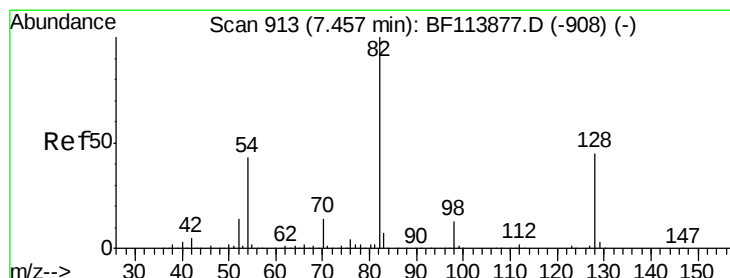
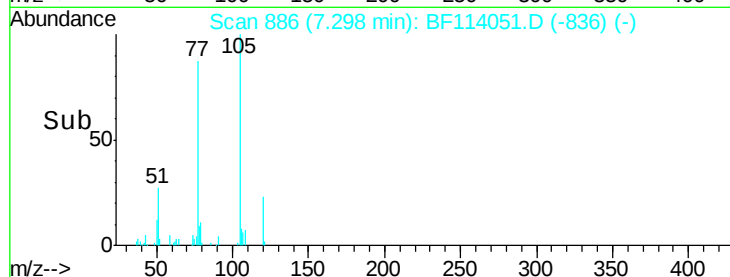
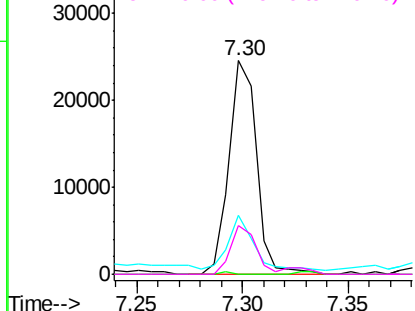


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 85.980 ng

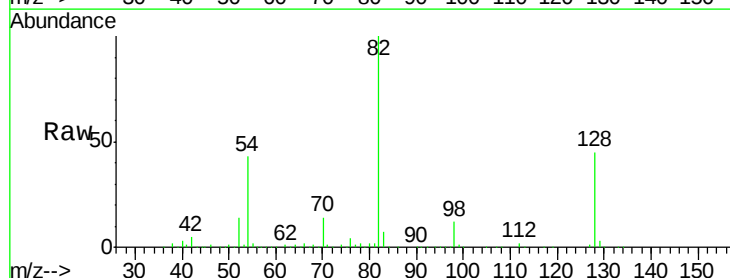
RT: 7.45 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF114051.D

Acq: 30 Apr 2019 19:16

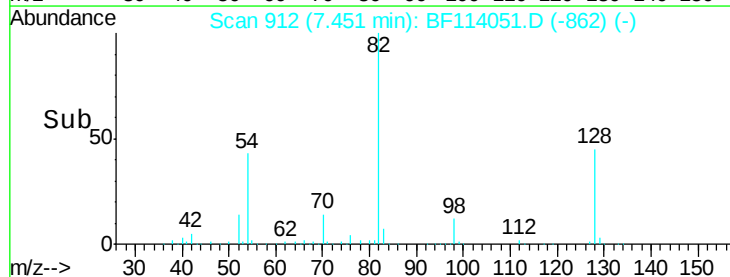
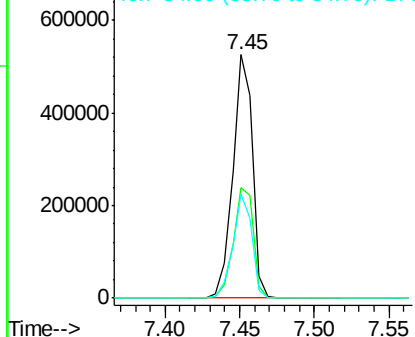
Tgt Ion:	82	Resp:	486059
Ion Ratio	Lower	Upper	
82	100		
128	45.3	36.8	55.2
54	42.9	33.8	50.6

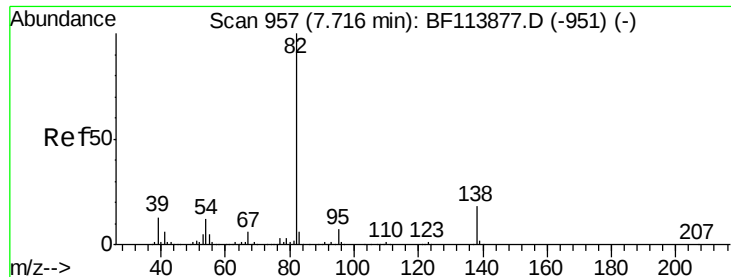


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 42.020 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.26 min

Lab File: BF114051.D

Acq: 30 Apr 2019 19:16

Instrument :

BNA_F

ClientSampleId :

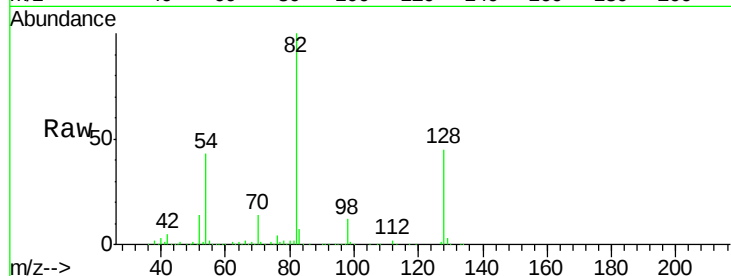
Tot Ion: 82 Resp: 486054

Ion Ratio Lower Upper

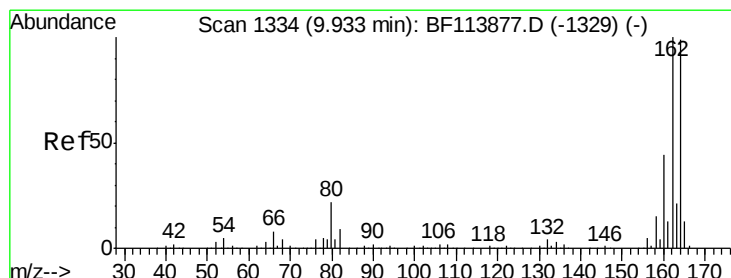
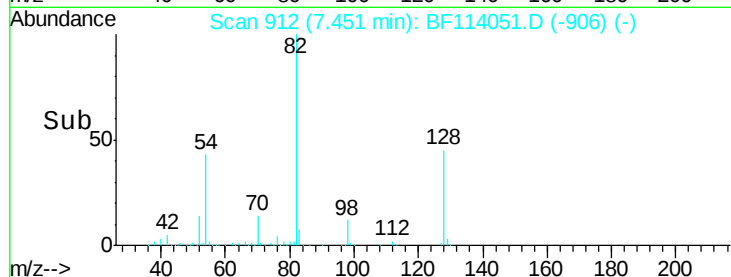
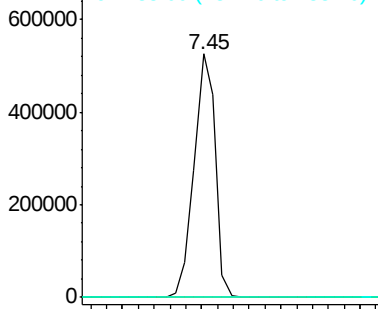
82 100

95 0.1 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# 1334

Delta R.T. -0.00 min

Lab File: BF114051.D

Acq: 30 Apr 2019 19:16

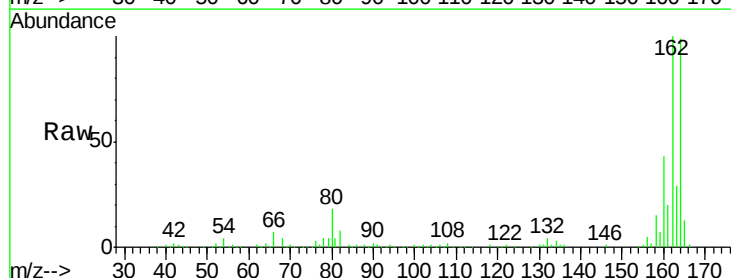
Tgt Ion:164 Resp: 156624

Ion Ratio Lower Upper

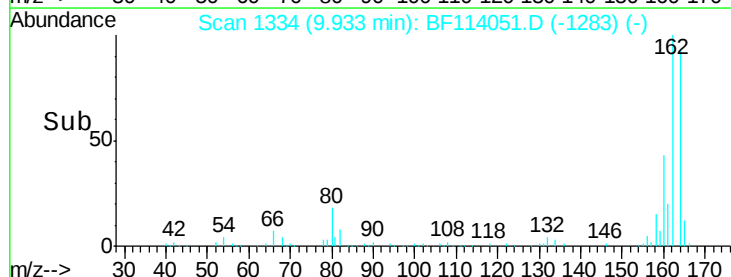
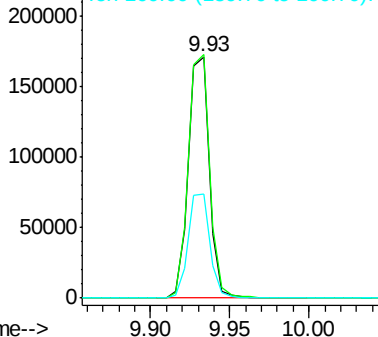
164 100

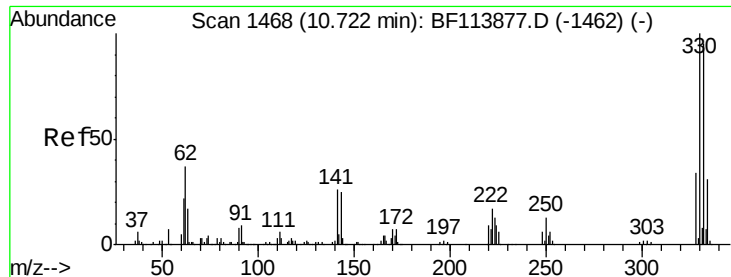
162 101.0 81.1 121.7

160 43.4 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: 107.243 ng

RT: 10.72 min Scan# 1467

Delta R.T. -0.01 min

Lab File: BF114051.D

Acq: 30 Apr 2019 19:16

Instrument :

BNA_F

ClientSampleId :

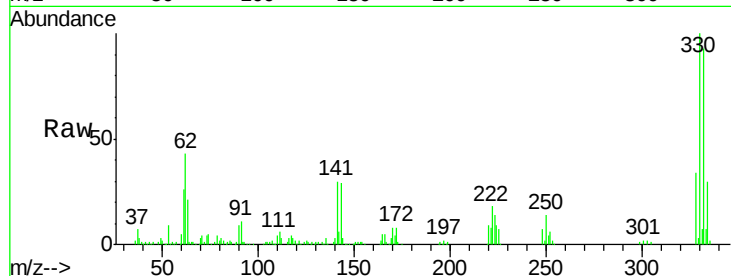
Tot Ion:330 Resp: 204620

Ion Ratio Lower Upper

330 100

332 93.3 77.5 116.3

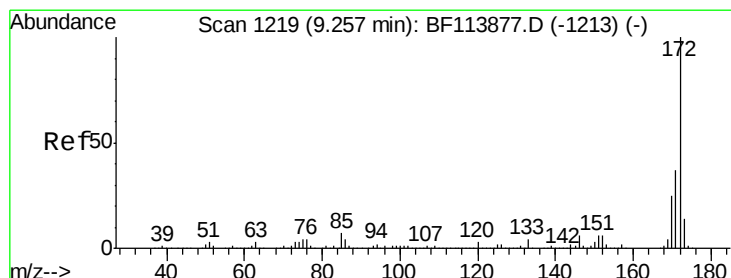
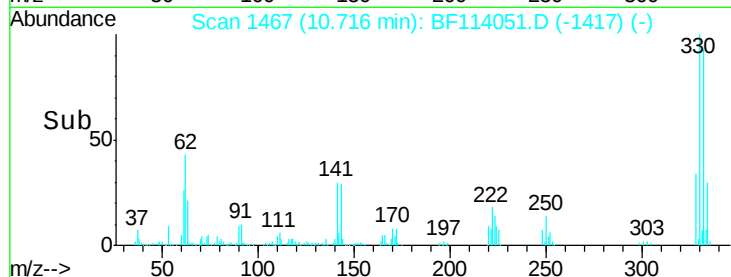
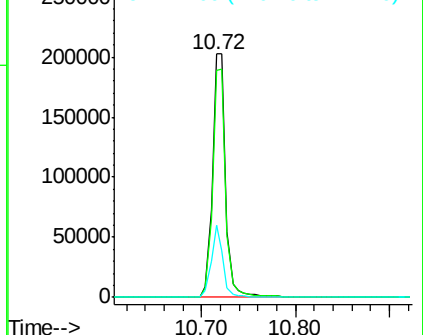
141 26.6 22.2 33.2



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: 98.498 ng

RT: 9.25 min Scan# 1218

Delta R.T. -0.00 min

Lab File: BF114051.D

Acq: 30 Apr 2019 19:16

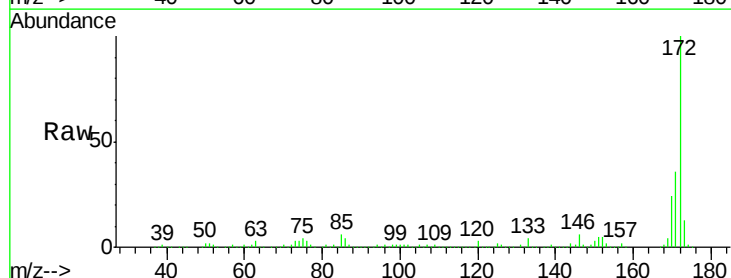
Tgt Ion:172 Resp: 986377

Ion Ratio Lower Upper

172 100

171 35.9 29.4 44.0

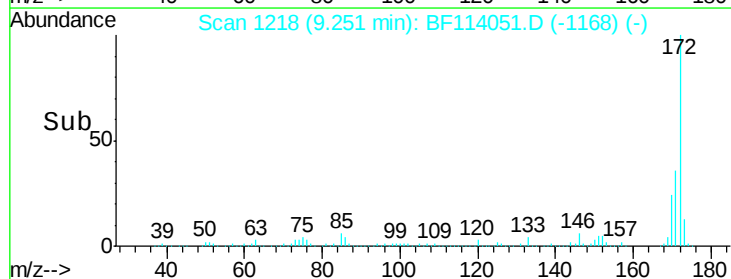
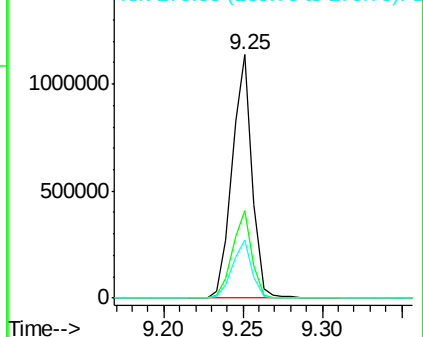
170 23.6 19.9 29.9

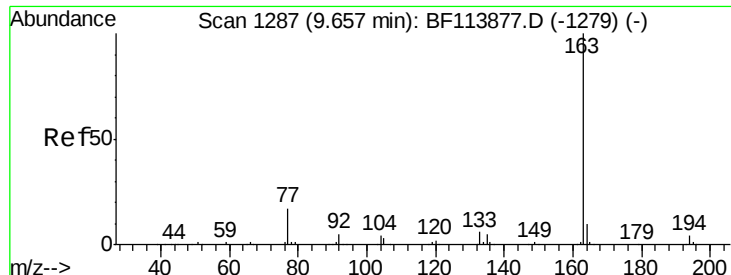


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

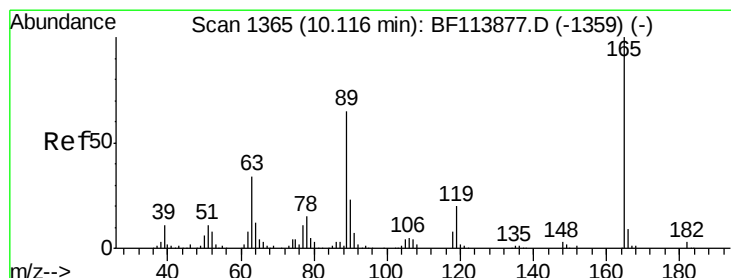
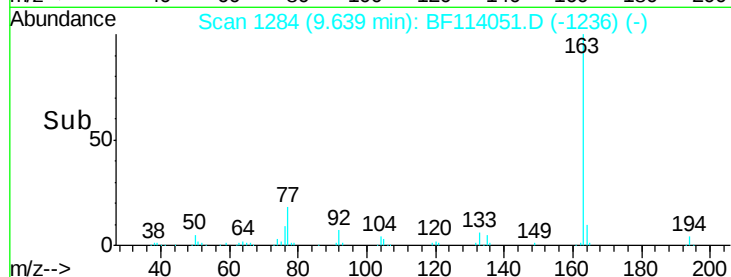
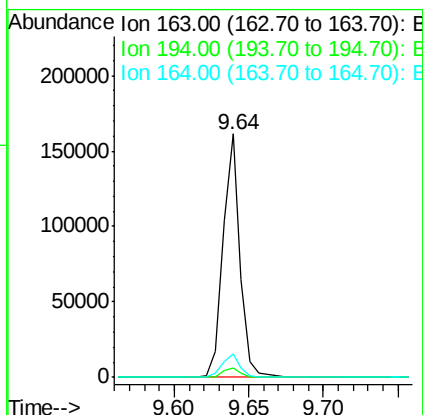
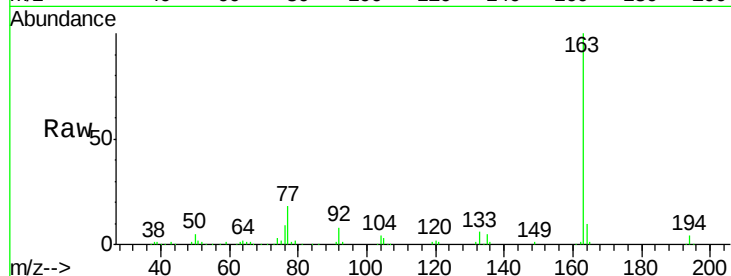




#50
Dimethylphthalate
Concen: 11.436 ng
RT: 9.64 min Scan# 1284
Delta R.T. -0.02 min
Lab File: BF114051.D
Acq: 30 Apr 2019 19:16

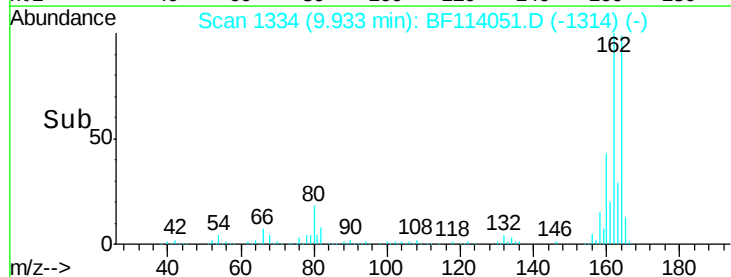
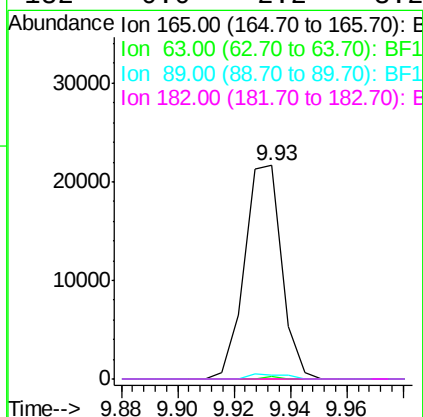
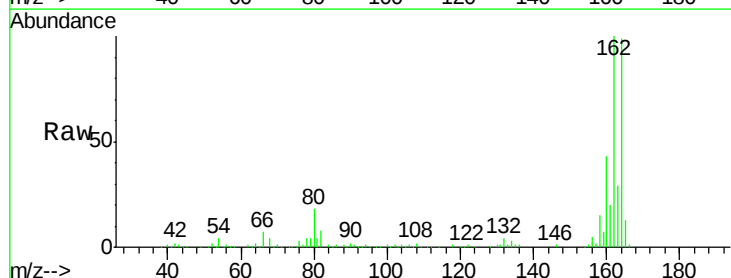
Instrument :
BNA_F
ClientSampleId :

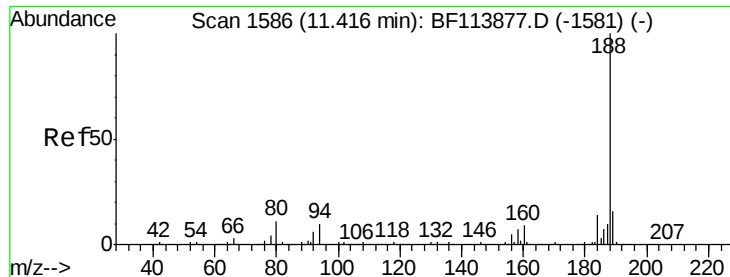
Tot Ion:163 Resp: 129541
Ion Ratio Lower Upper
163 100
194 4.1 3.4 5.2
164 9.5 8.5 12.7



#57
2,4-Dinitrotoluene
Concen: 6.459 ng
RT: 9.93 min Scan# 1334
Delta R.T. -0.18 min
Lab File: BF114051.D
Acq: 30 Apr 2019 19:16

Tgt Ion:165 Resp: 19811
Ion Ratio Lower Upper
165 100
63 1.4 27.4 41.0#
89 1.8 51.8 77.6#
182 0.0 2.2 3.2#

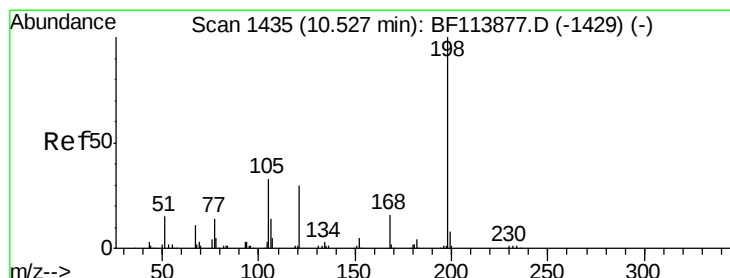
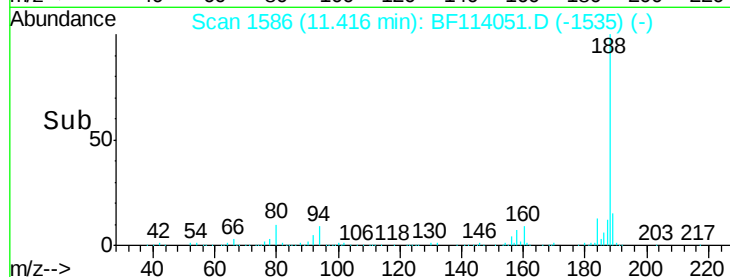
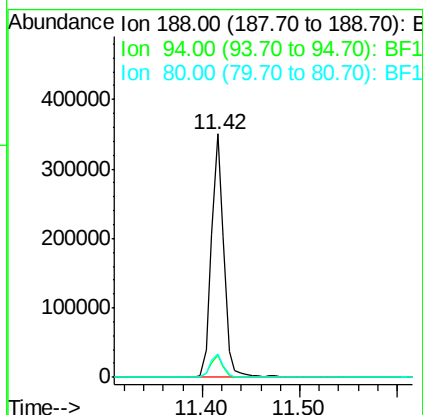
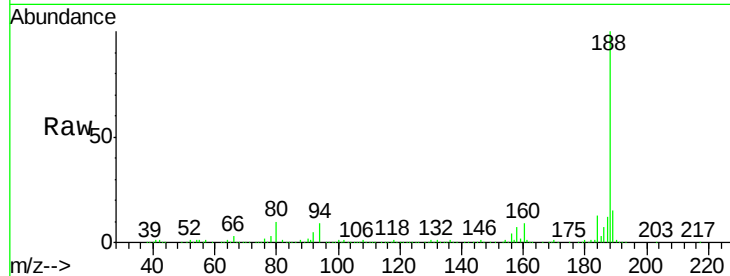




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.42 min Scan# 1586
Delta R.T. 0.00 min
Lab File: BF114051.D
Acq: 30 Apr 2019 19:16

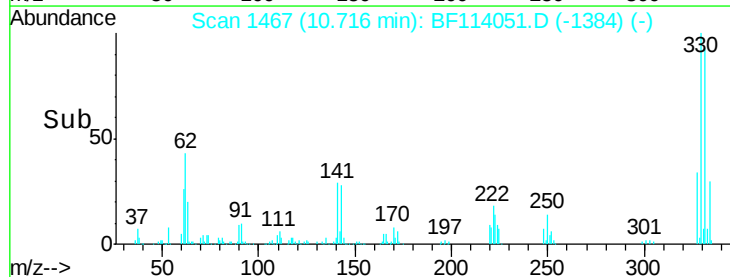
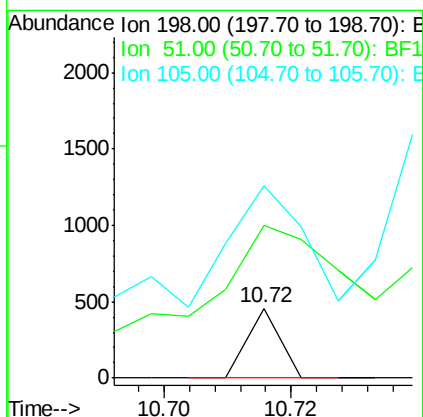
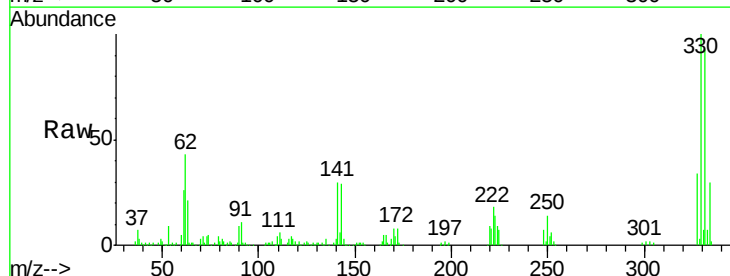
Instrument :
BNA_F
ClientSampleId :

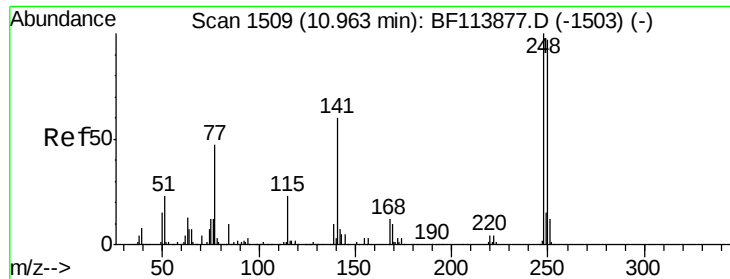
Tot Ion:188 Resp: 307377
Ion Ratio Lower Upper
188 100
94 9.0 8.2 12.4
80 9.7 9.0 13.6



#65
4,6-Dinitro-2-methylphenol
Concen: 7.405 ng
RT: 10.72 min Scan# 1467
Delta R.T. 0.19 min
Lab File: BF114051.D
Acq: 30 Apr 2019 19:16

Tgt Ion:198 Resp: 161
Ion Ratio Lower Upper
198 100
51 219.5 11.1 51.1#
105 275.7 20.7 60.7#

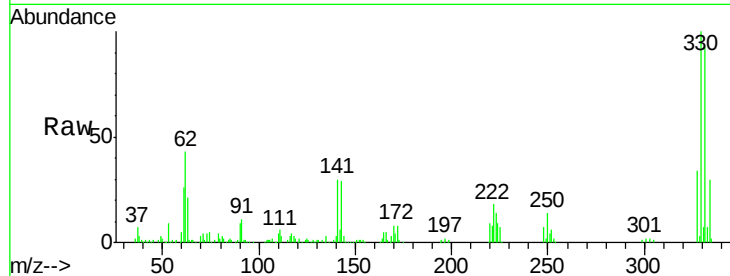




#67
 4-Bromophenyl-phenylether
 Concen: 3.369 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.25 min
 Lab File: BF114051.D
 Acq: 30 Apr 2019 19:16

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	200.2	75.8	113.6#
141	429.4	50.2	75.4#

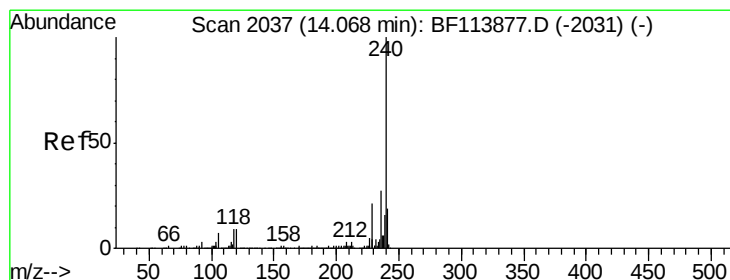
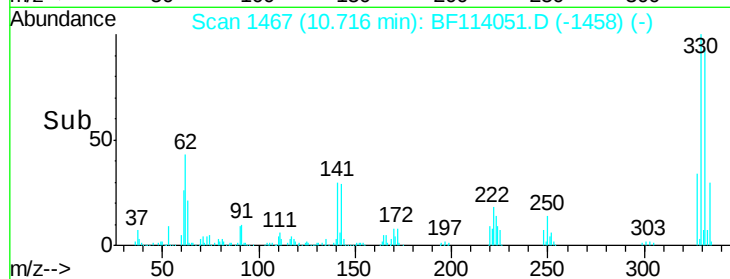
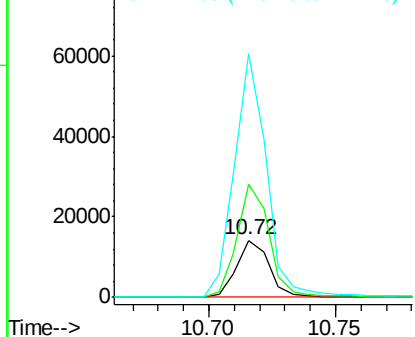


Abundance

Ion 248.00 (247.70 to 248.70): E

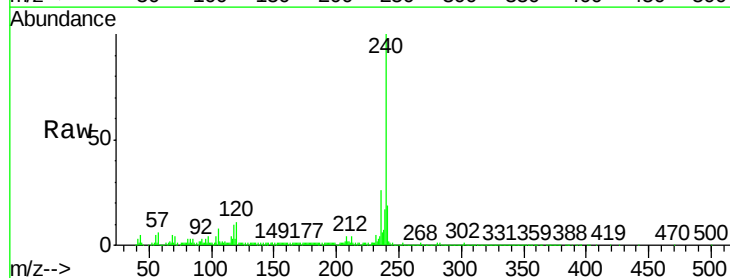
Ion 250.00 (249.70 to 250.70): E

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: BF114051.D
 Acq: 30 Apr 2019 19:16

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.1	9.3	13.9
236	26.2	21.2	31.8

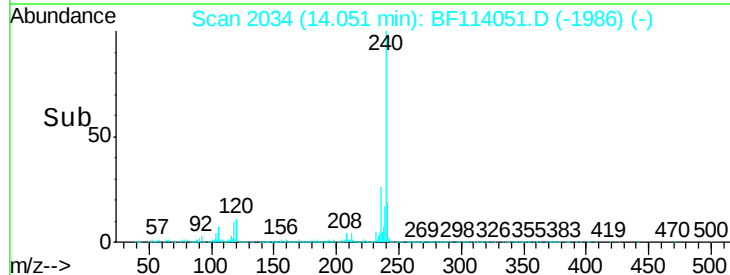
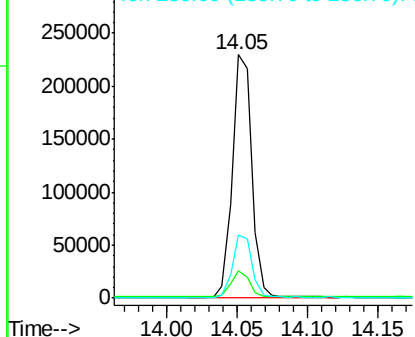


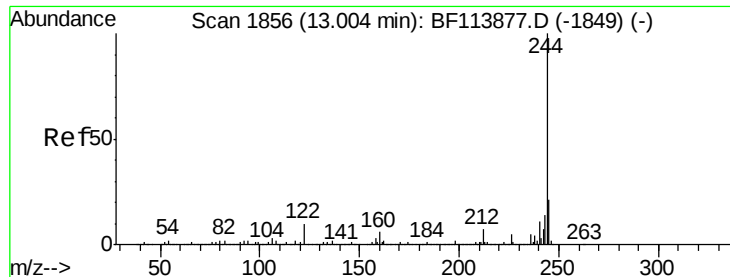
Abundance

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: 105.968 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.01 min

Lab File: BF114051.D

Acq: 30 Apr 2019 19:16

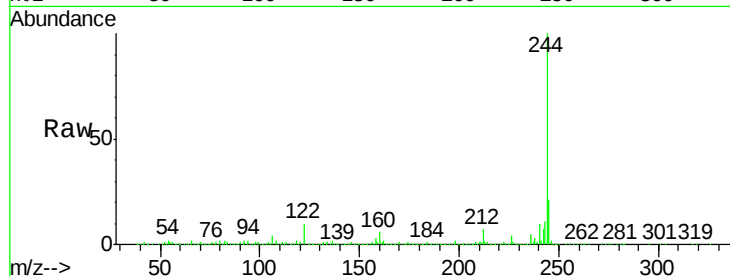
Instrument :

BNA_F

ClientSampleId :

Tot Ion:244 Resp: 1139098

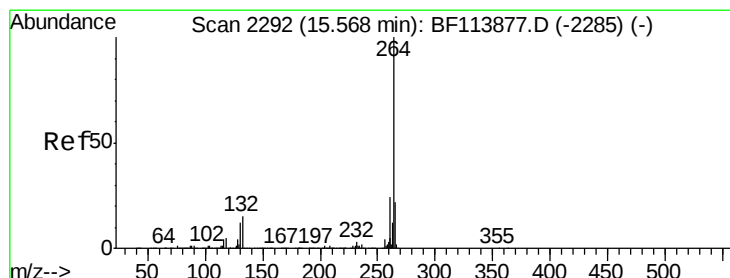
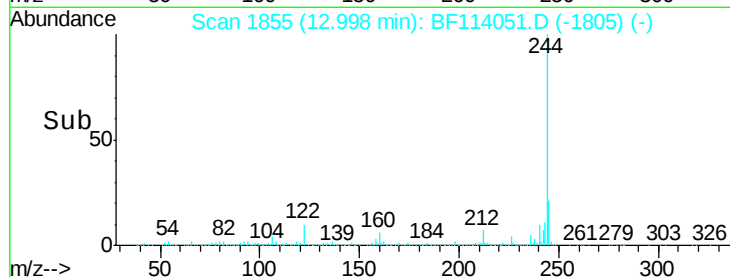
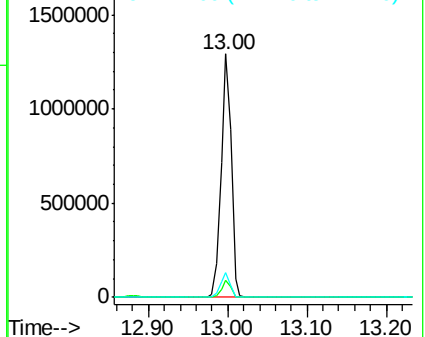
Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.2
122	10.4	7.6	11.4



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: 15.54 min Scan# 2287

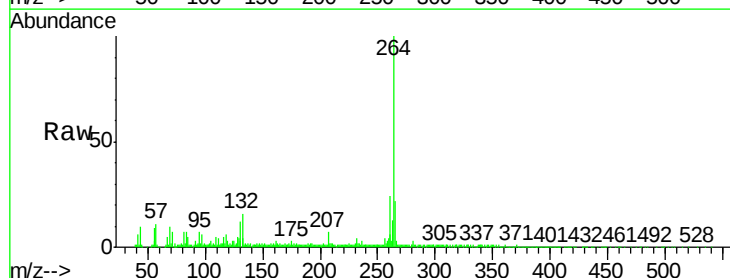
Delta R.T. -0.03 min

Lab File: BF114051.D

Acq: 30 Apr 2019 19:16

Tgt Ion:264 Resp: 185434

Ion	Ratio	Lower	Upper
264	100		
260	24.1	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

