

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF043019\
 Data File : BF114054.D
 Acq On : 30 Apr 2019 20:35
 Operator : JU/SJ
 Sample : K2616-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 30 23:04:56 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	6.89	152	126684	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	339871	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	167399	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	283178	20.00	ng	0.00
76) Chrysene-d12	14.05	240	222033	20.00	ng	-0.02
87) Perylene-d12	15.54	264	169531	20.00	ng	-0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	530284	71.59	ng	0.00
7) Phenol-d6	6.52	99	809816	87.14	ng	0.00
23) Nitrobenzene-d5	7.45	82	399135	72.51	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	135108	66.25	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	894436	83.57	ng	0.00
79) Terphenyl-d14	13.00	244	930902	85.95	ng	0.00

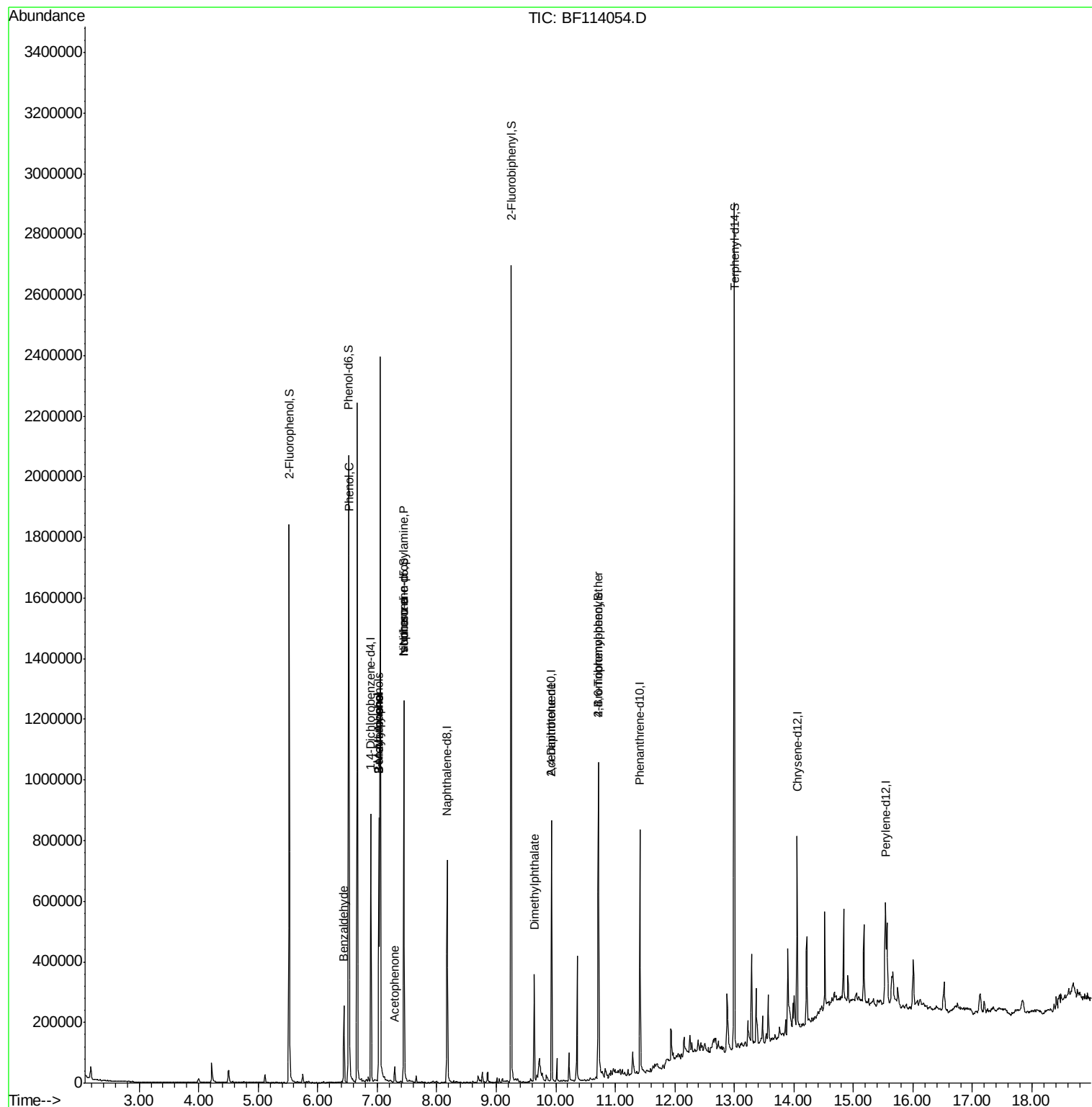
Target Compounds				Qvalue		
9) Benzaldehyde	6.44	77	48830	4.769	ng	99
10) Phenol	6.53	94	27447	2.470	ng	93
15) Benzyl Alcohol	7.03	79	214073	34.204	ng	97
17) 2-Methylphenol	7.03	107	112979	15.241	ng	# 15
19) n-Nitroso-di-n-propylamine	7.45	70	53081	8.820	ng	# 79
20) 3+4-Methylphenols	7.03	107	112978	13.490	ng	# 11
22) Acetophenone	7.29	105	16803	2.222	ng	# 94
25) Isophorone	7.45	82	399131	35.437	ng	# 65
50) Dimethylphthalate	9.64	163	144288	11.918	ng	97
57) 2,4-Dinitrotoluene	9.93	165	20988	6.402	ng	# 29
67) 4-Bromophenyl-phenylether	10.72	248	8578	2.508	ng	# 1

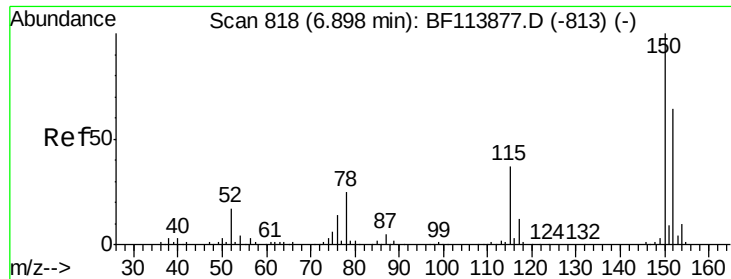
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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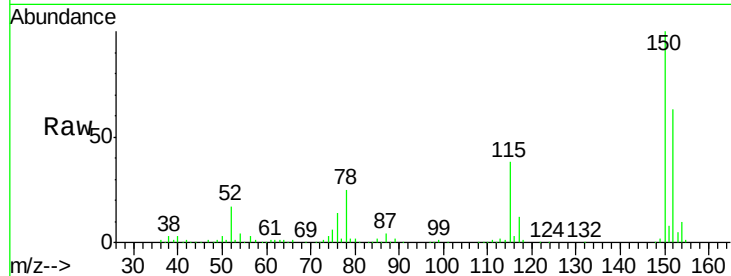


#1

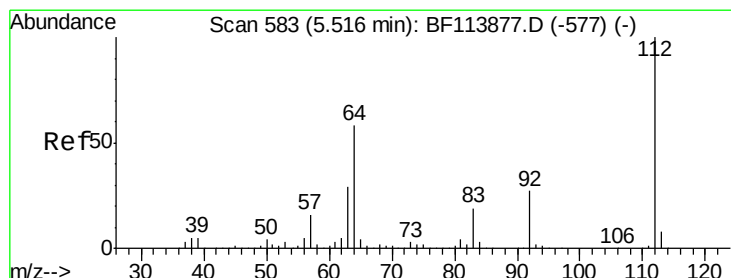
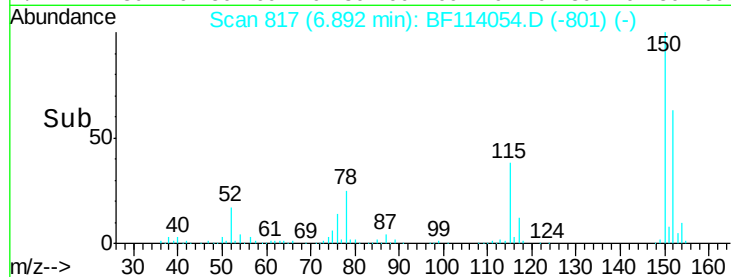
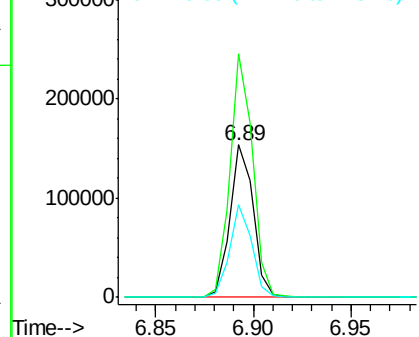
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.01 min
Lab File: BF114054.D
Acq: 30 Apr 2019 20:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.6	125.9	188.9
115	60.3	45.9	68.9



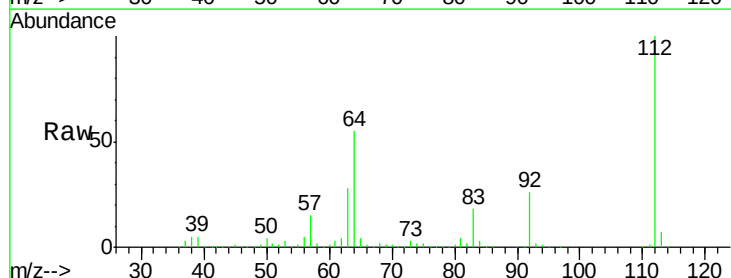
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



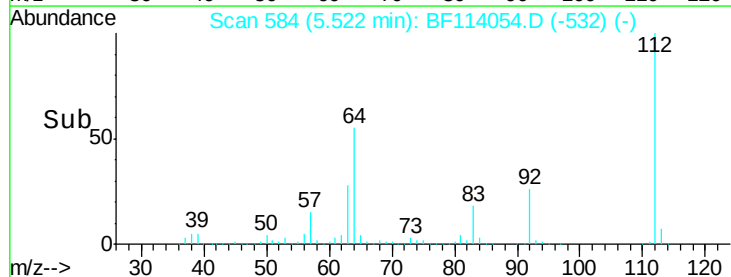
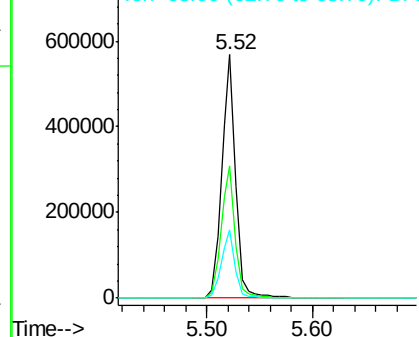
#5

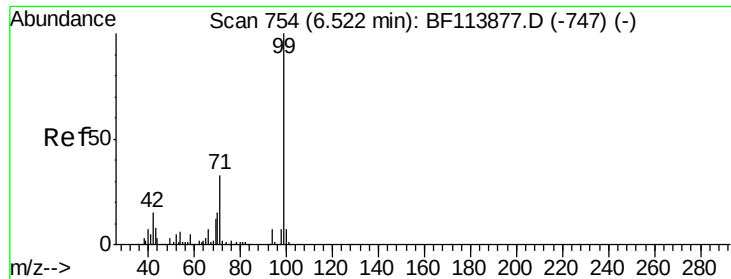
2-Fluorophenol
Concen: 71.593 ng
RT: 5.52 min Scan# 584
Delta R.T. 0.01 min
Lab File: BF114054.D
Acq: 30 Apr 2019 20:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.5	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: 87.144 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.00 min

Lab File: BF114054.D

Acq: 30 Apr 2019 20:35

Instrument :

BNA_F

ClientSampleId :

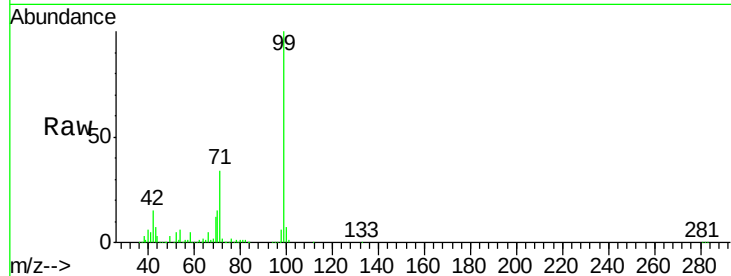
Tot Ion: 99 Resp: 809816

Ion Ratio Lower Upper

99 100

42 15.0 12.5 18.7

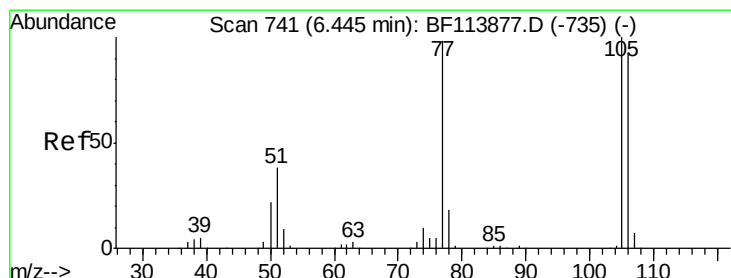
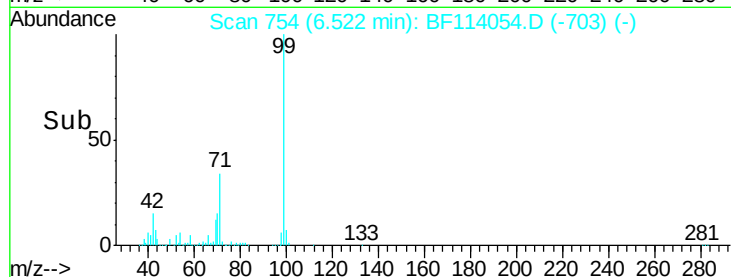
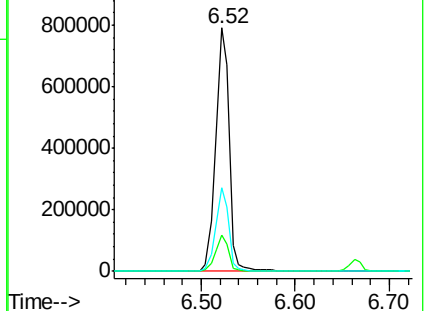
71 34.1 26.9 40.3



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: 4.769 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF114054.D

Acq: 30 Apr 2019 20:35

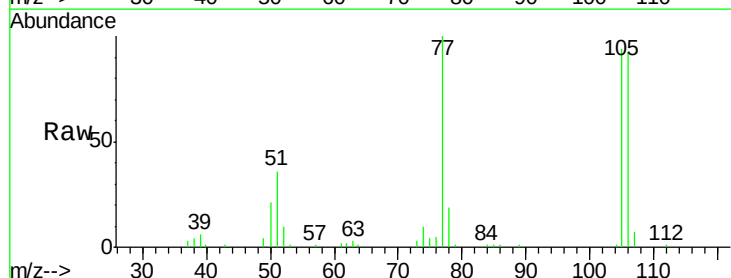
Tgt Ion: 77 Resp: 48830

Ion Ratio Lower Upper

77 100

105 94.0 74.1 114.1

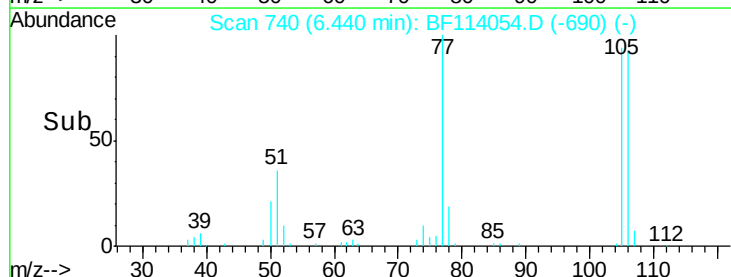
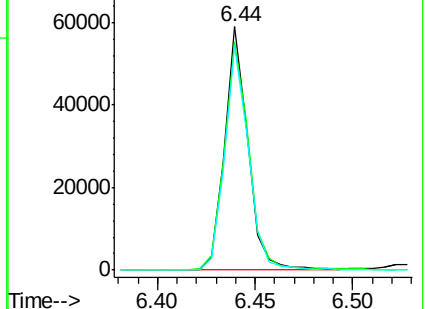
106 92.4 70.3 110.3

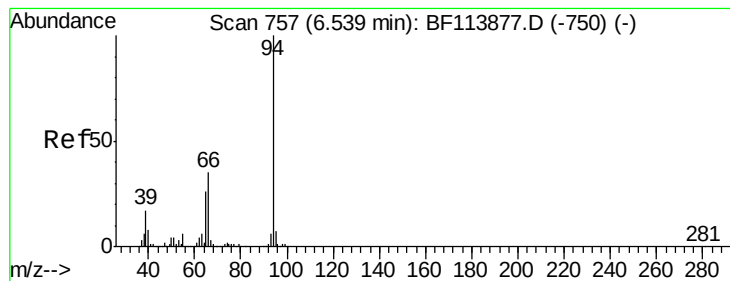


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 2.470 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF114054.D

Acq: 30 Apr 2019 20:35

Instrument :

BNA_F

ClientSampleId :

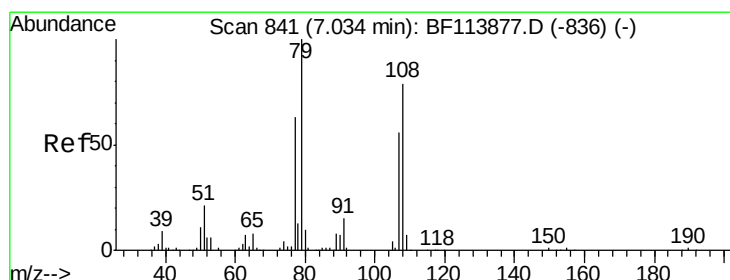
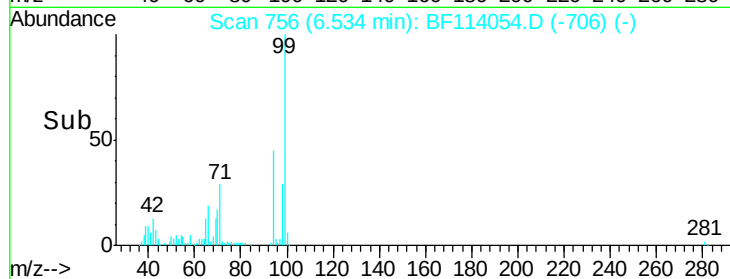
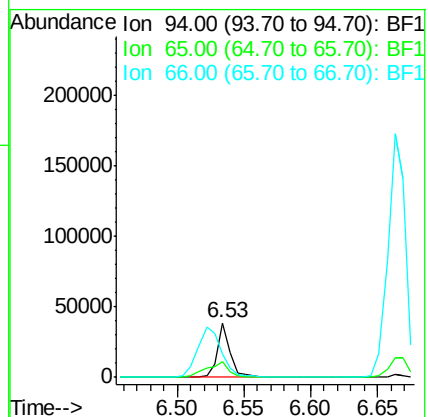
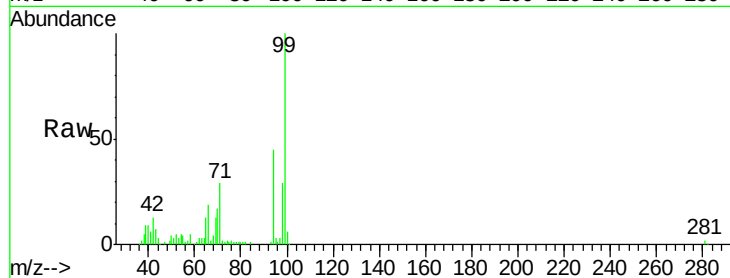
Tot Ion: 94 Resp: 27447

Ion Ratio Lower Upper

94 100

65 29.1 8.1 48.1

66 42.9 16.6 56.6



#15

Benzyl Alcohol

Concen: 34.204 ng

RT: 7.03 min Scan# 840

Delta R.T. -0.01 min

Lab File: BF114054.D

Acq: 30 Apr 2019 20:35

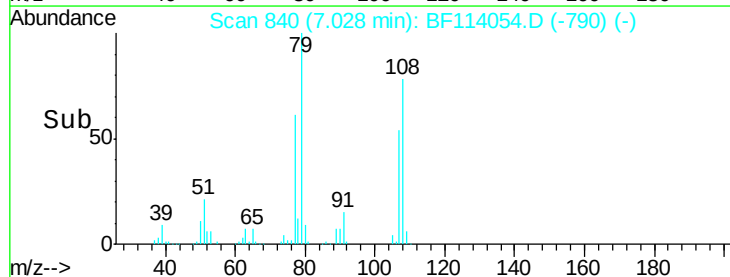
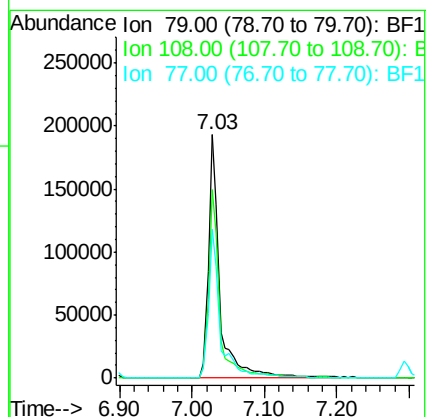
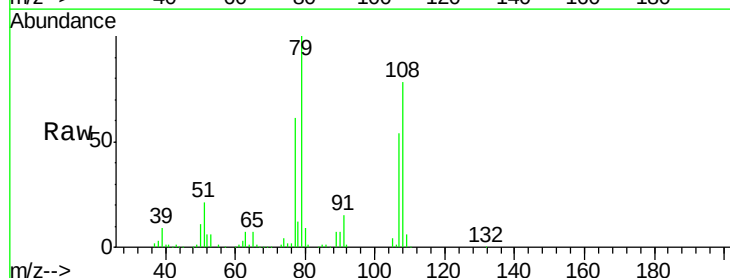
Tgt Ion: 79 Resp: 214073

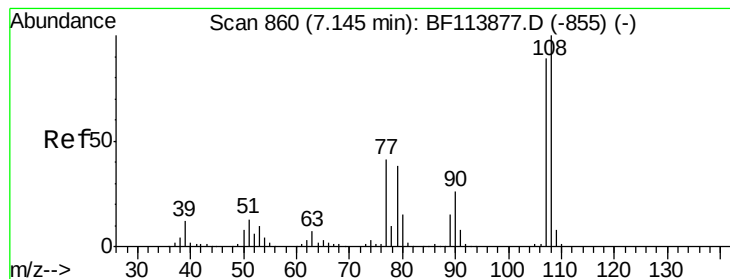
Ion Ratio Lower Upper

79 100

108 77.7 61.4 92.0

77 61.2 51.6 77.4





#17

2-Methylphenol

Concen: 15.241 ng

RT: 7.03 min Scan# 840

Delta R.T. -0.12 min

Lab File: BF114054.D

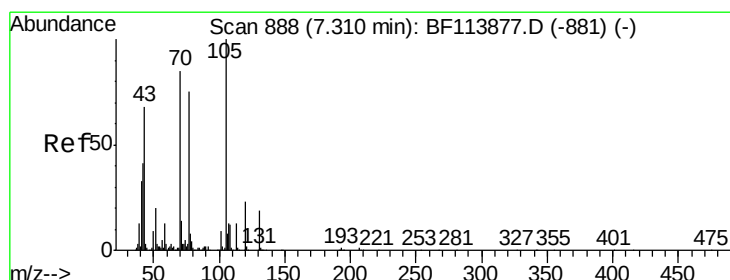
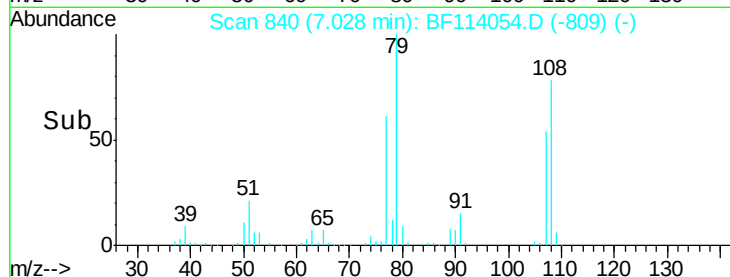
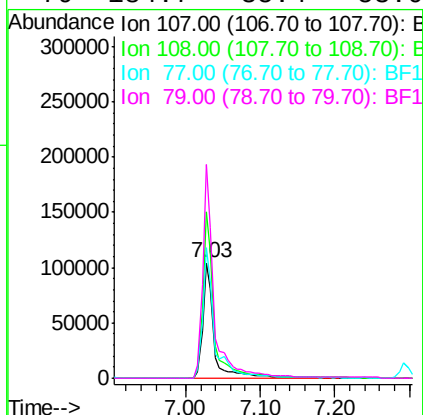
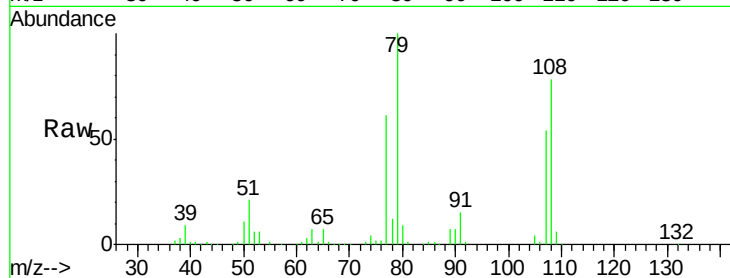
Acq: 30 Apr 2019 20:35

Instrument :

BNA_F

ClientSampled :

Tot Ion:	107	Resp:	112979
Ion	Ratio	Lower	Upper
107	100		
108	143.5	91.5	137.3#
77	113.1	36.2	54.4#
79	184.7	35.4	53.0#



#19

n-Nitroso-di-n-propylamine

Concen: 8.820 ng

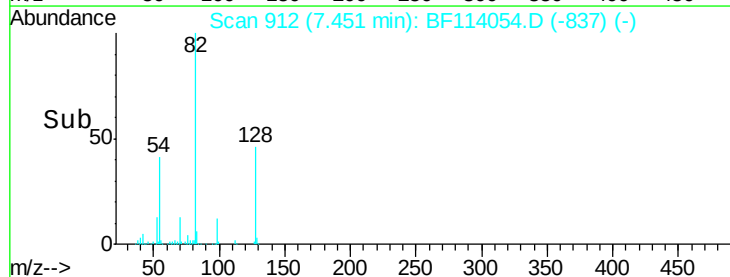
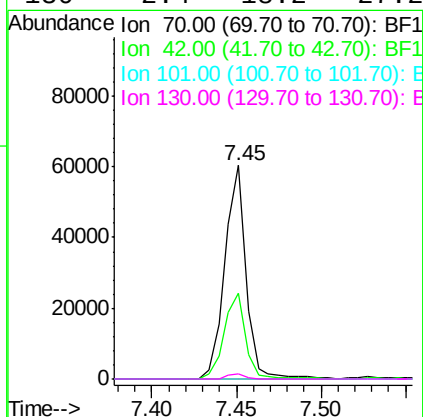
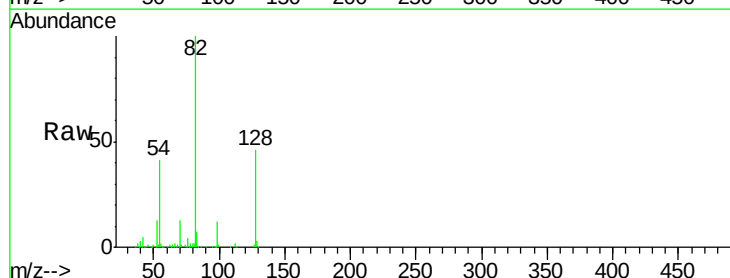
RT: 7.45 min Scan# 912

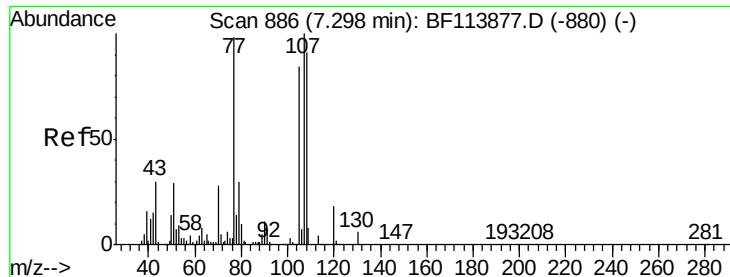
Delta R.T. 0.14 min

Lab File: BF114054.D

Acq: 30 Apr 2019 20:35

Tgt Ion:	70	Resp:	53081
Ion	Ratio	Lower	Upper
70	100		
42	40.1	37.3	55.9
101	0.0	7.8	11.8#
130	2.4	18.2	27.2#

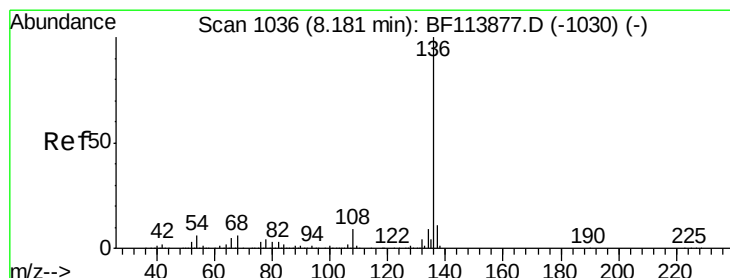
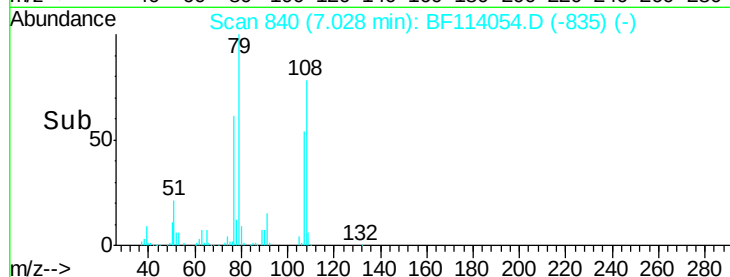
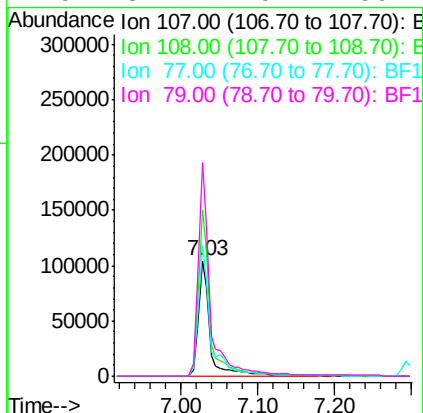
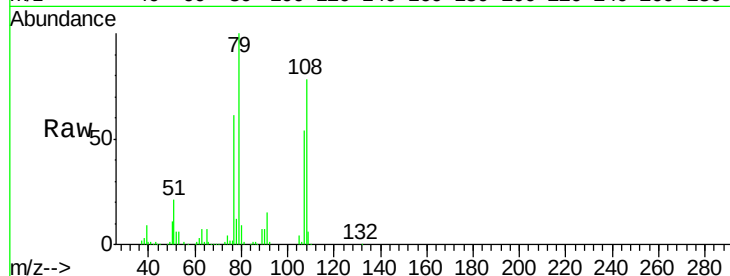




#20
3+4-Methylphenols
Concen: 13.490 ng
RT: 7.03 min Scan# 840
Delta R.T. -0.27 min
Lab File: BF114054.D
Acq: 30 Apr 2019 20:35

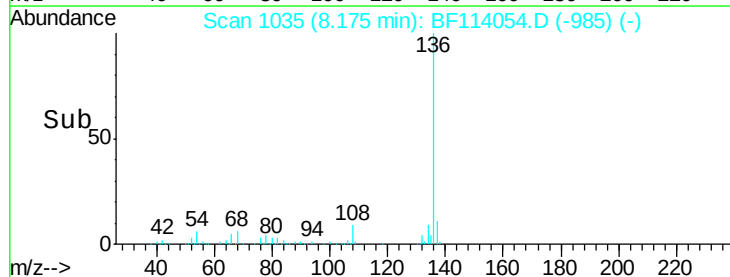
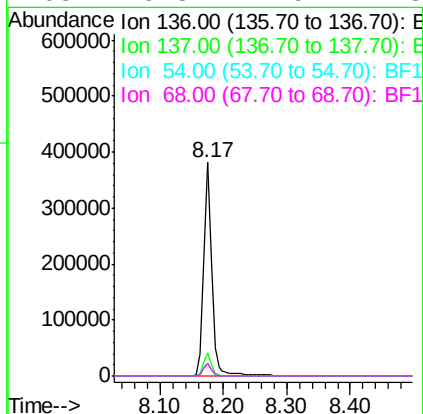
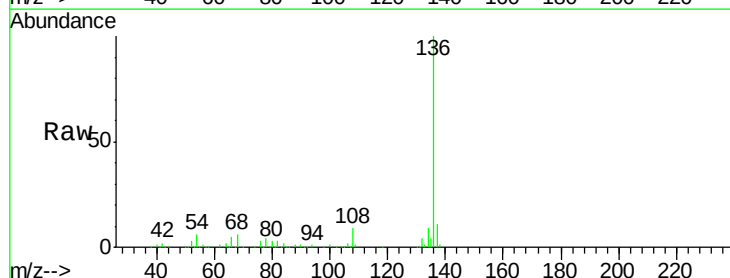
Instrument :
BNA_F
ClientSampled :

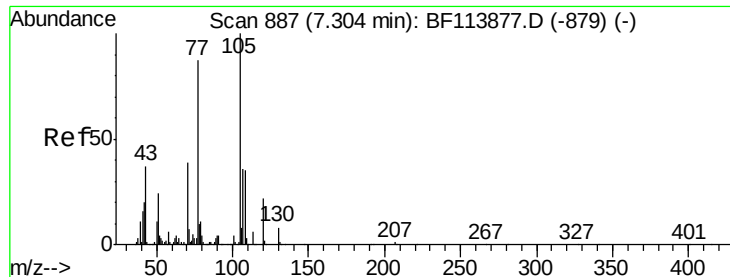
Tot Ion:107 Resp: 112978
Ion Ratio Lower Upper
107 100
108 143.5 70.1 110.1#
77 113.1 52.9 92.9#
79 184.7 10.2 50.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BF114054.D
Acq: 30 Apr 2019 20:35

Tgt Ion:136 Resp: 339871
Ion Ratio Lower Upper
136 100
137 11.0 8.6 12.8
54 6.1 5.0 7.6
68 5.8 4.9 7.3





#22

Acetophenone

Concen: 2.222 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.01 min

Lab File: BF114054.D

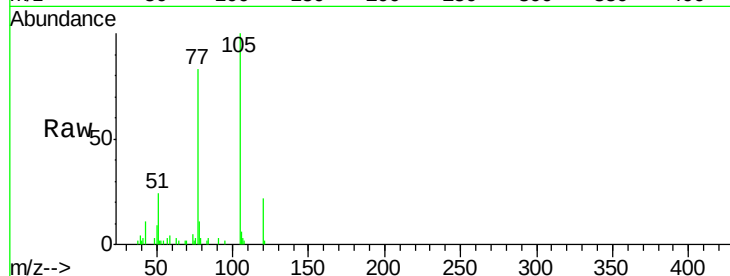
Acq: 30 Apr 2019 20:35

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	105	Resp:	16803
Ion Ratio	Lower	Upper	
105	100		
71	0.0	6.1	9.1#
51	24.1	16.8	25.2
120	21.7	17.6	26.4

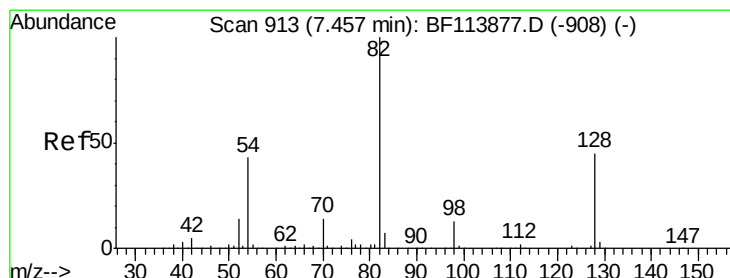
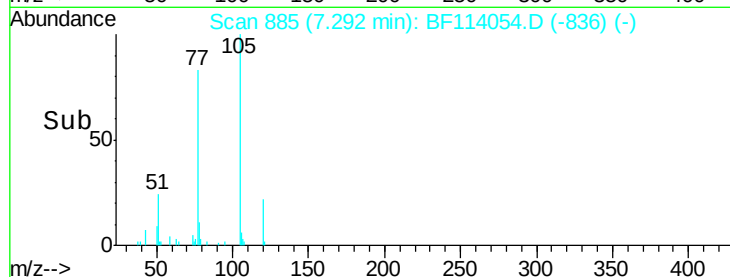
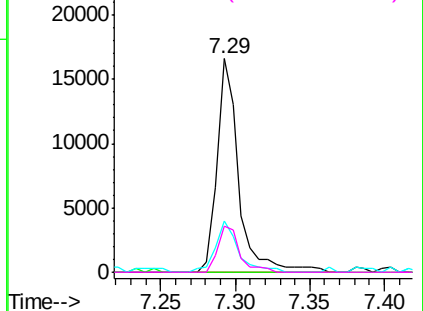


Abundance Ion 105.00 (104.70 to 105.70): E

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: 72.510 ng

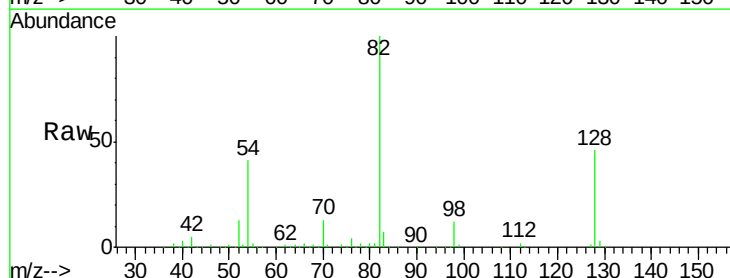
RT: 7.45 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF114054.D

Acq: 30 Apr 2019 20:35

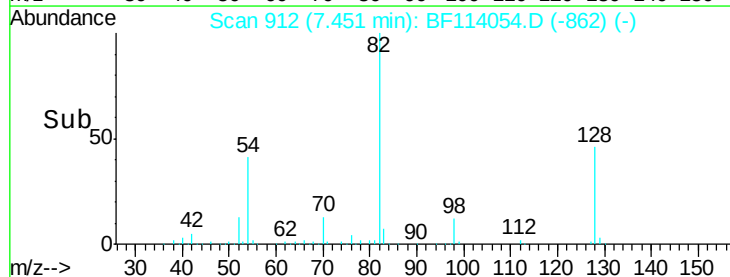
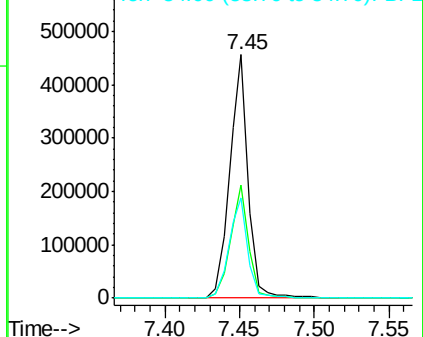
Tgt Ion:	82	Resp:	399135
Ion Ratio	Lower	Upper	
82	100		
128	46.2	36.8	55.2
54	41.2	33.8	50.6

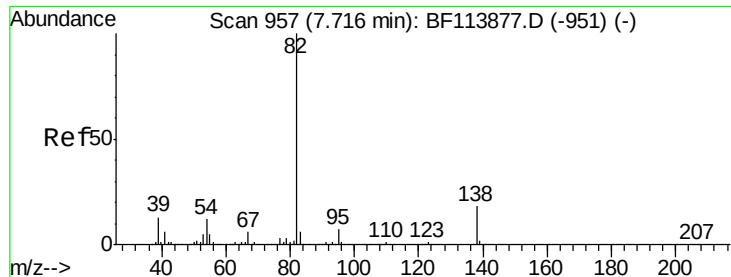


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 35.437 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.26 min

Lab File: BF114054.D

Acq: 30 Apr 2019 20:35

Instrument :

BNA_F

ClientSampleId :

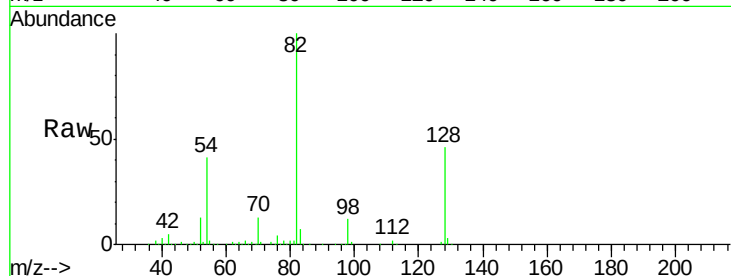
Tot Ion: 82 Resp: 399131

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

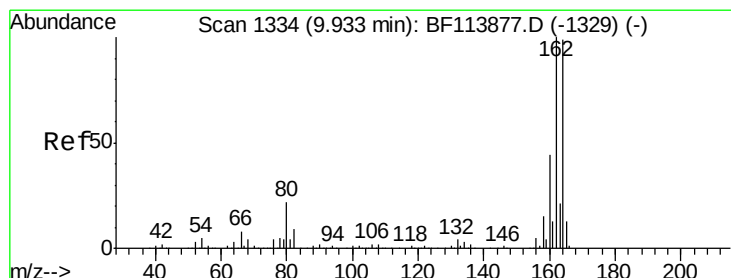
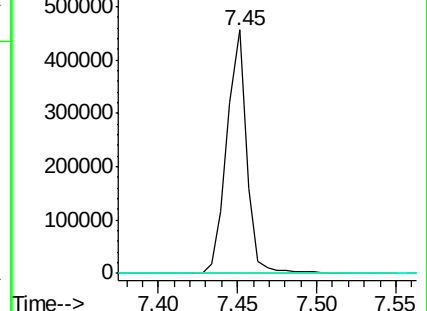
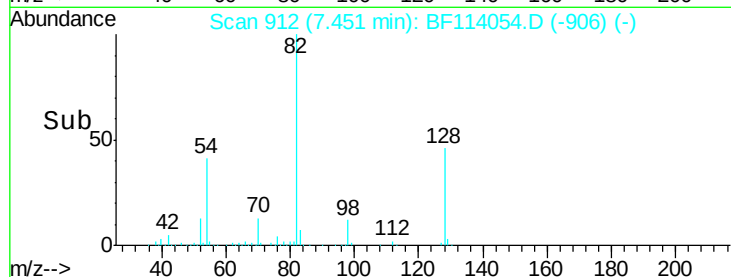
138 0.0 14.6 22.0#



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: BF114054.D

Acq: 30 Apr 2019 20:35

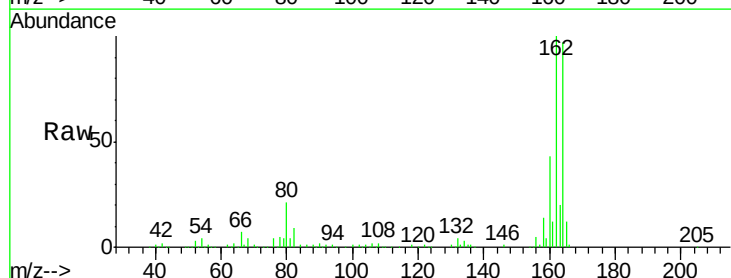
Tgt Ion:164 Resp: 167399

Ion Ratio Lower Upper

164 100

162 103.6 81.1 121.7

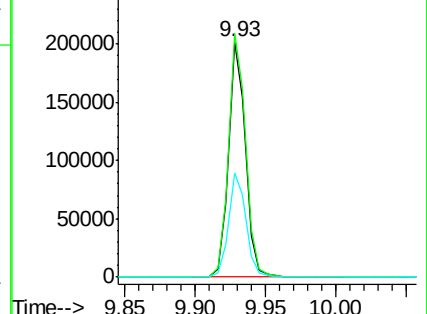
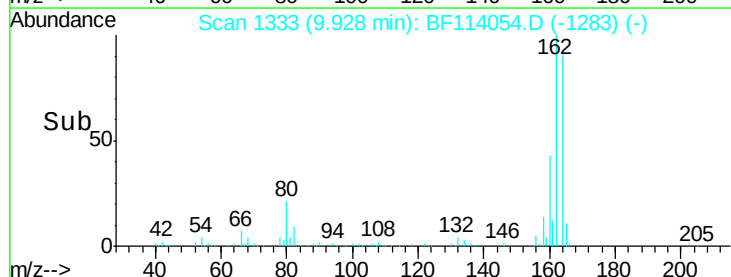
160 44.1 35.8 53.6

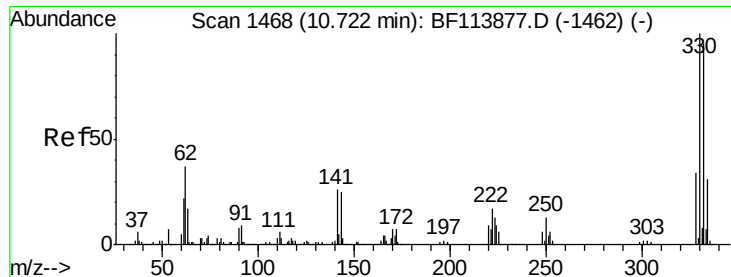


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 66.253 ng

RT: 10.72 min Scan# 1467

Delta R.T. -0.01 min

Lab File: BF114054.D

Acq: 30 Apr 2019 20:35

Instrument :

BNA_F

ClientSampleId :

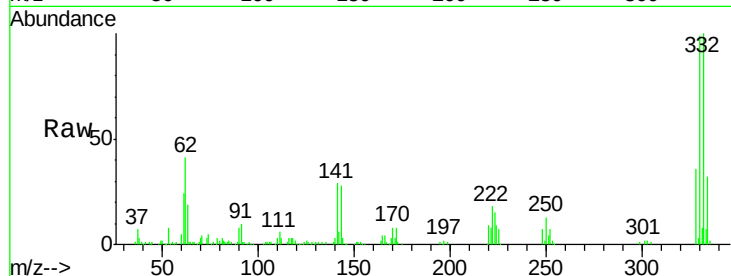
Tot Ion:330 Resp: 135108

Ion Ratio Lower Upper

330 100

332 99.7 77.5 116.3

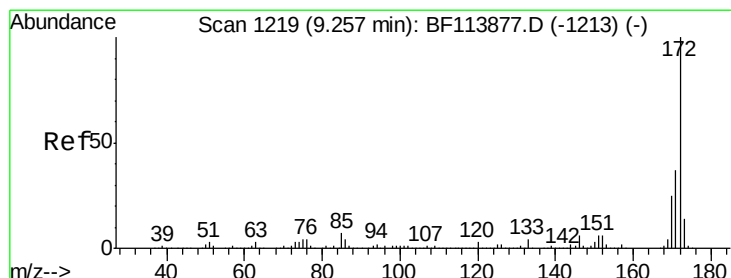
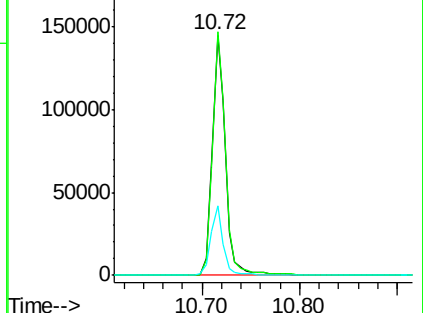
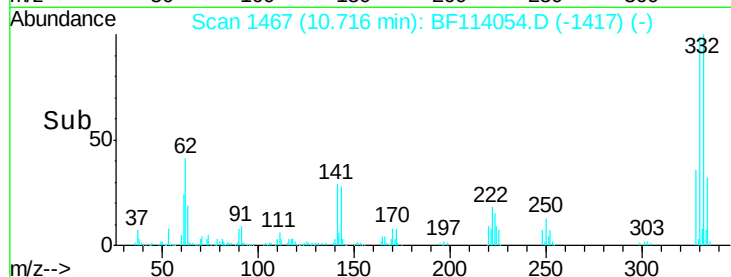
141 27.6 22.2 33.2



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: 83.568 ng

RT: 9.25 min Scan# 1218

Delta R.T. -0.00 min

Lab File: BF114054.D

Acq: 30 Apr 2019 20:35

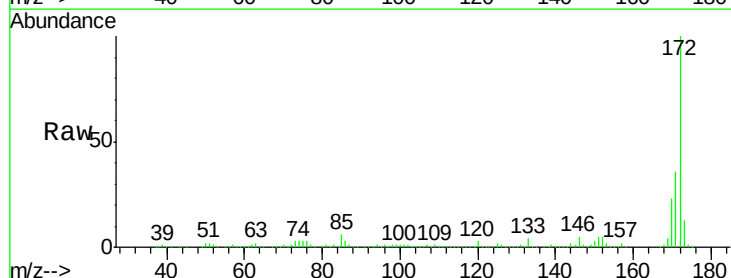
Tgt Ion:172 Resp: 894436

Ion Ratio Lower Upper

172 100

171 35.6 29.4 44.0

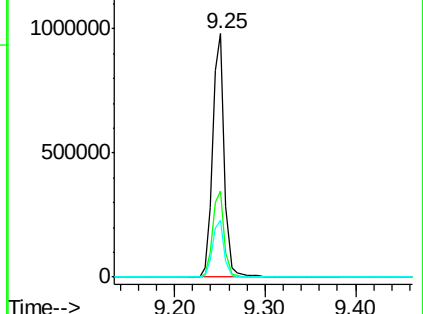
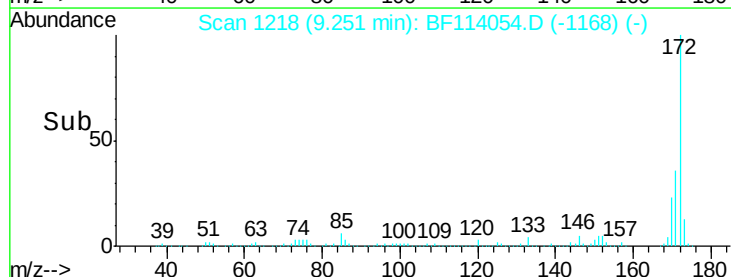
170 23.3 19.9 29.9

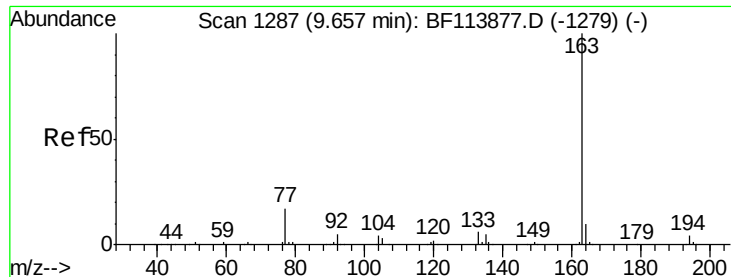


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 11.918 ng

RT: 9.64 min Scan# 1284

Delta R.T. -0.02 min

Lab File: BF114054.D

Acq: 30 Apr 2019 20:35

Instrument :

BNA_F

ClientSampled :

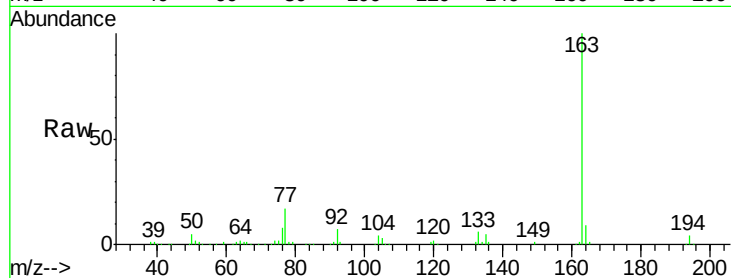
Tot Ion:163 Resp: 144288

Ion Ratio Lower Upper

163 100

194 4.1 3.4 5.2

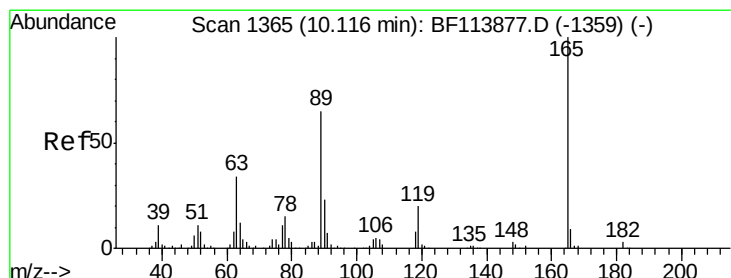
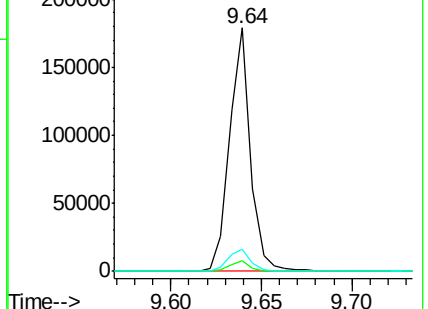
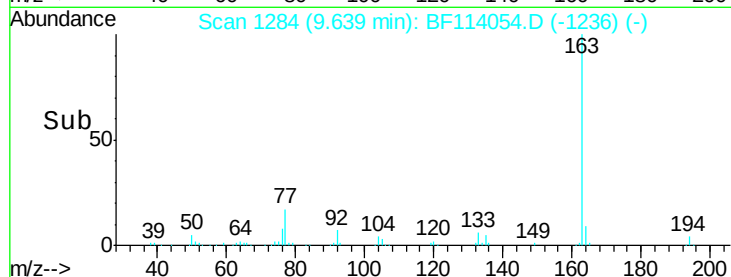
164 9.3 8.5 12.7



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: 6.402 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.19 min

Lab File: BF114054.D

Acq: 30 Apr 2019 20:35

Tgt Ion:165 Resp: 20988

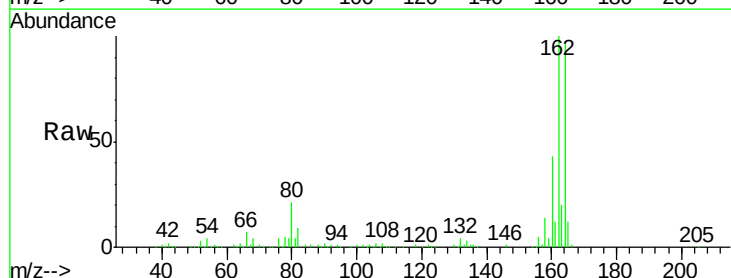
Ion Ratio Lower Upper

165 100

63 1.3 27.4 41.0#

89 1.4 51.8 77.6#

182 0.0 2.2 3.2#

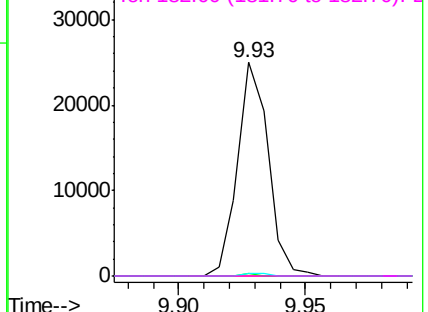
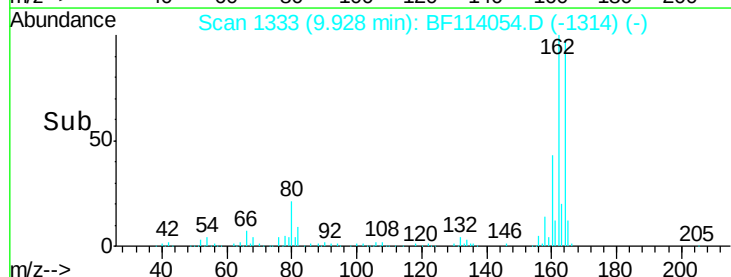


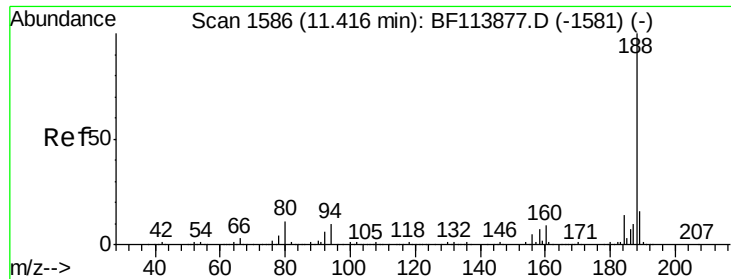
Abundance Ion 165.00 (164.70 to 165.70): E

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

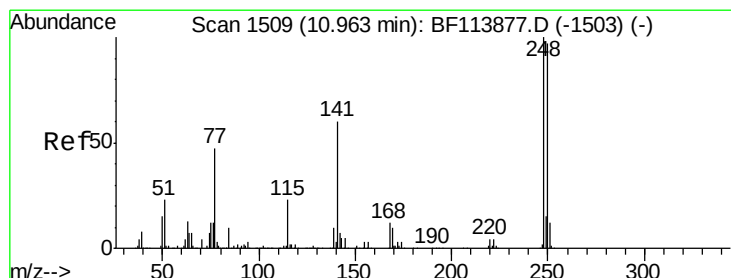
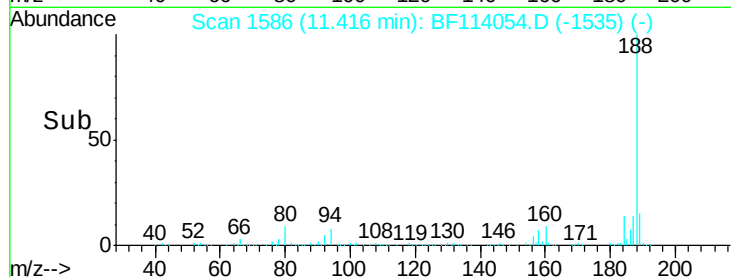
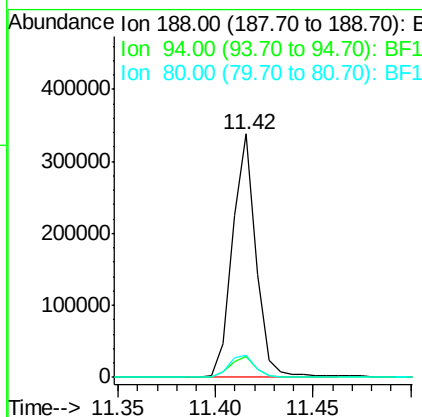
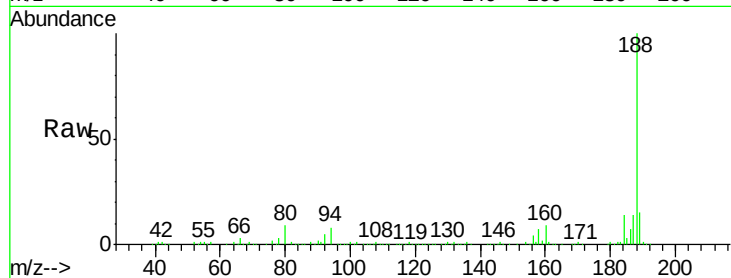




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: BF114054.D
 Acq: 30 Apr 2019 20:35

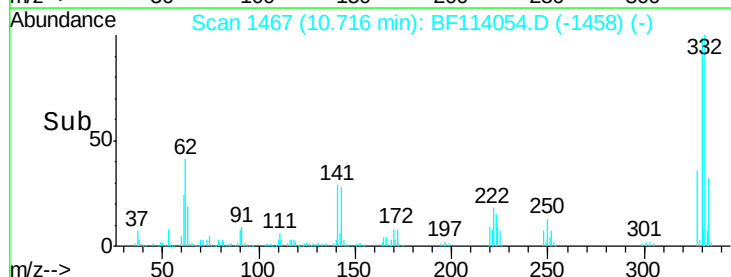
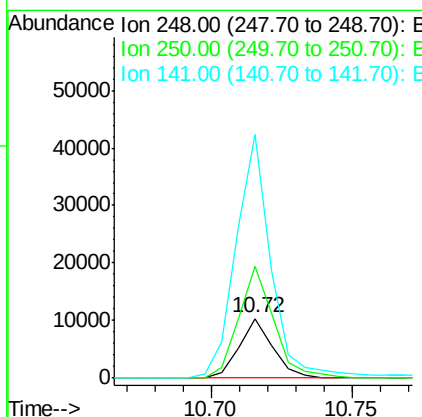
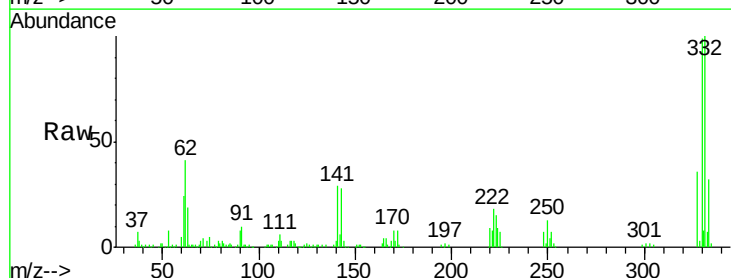
Instrument :
 BNA_F
 ClientSampleId :

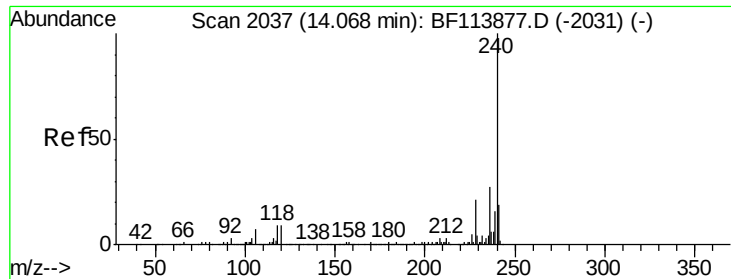
Tot Ion:188 Resp: 283178
 Ion Ratio Lower Upper
 188 100
 94 8.4 8.2 12.4
 80 9.3 9.0 13.6



#67
 4-Bromophenyl-phenylether
 Concen: 2.508 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.25 min
 Lab File: BF114054.D
 Acq: 30 Apr 2019 20:35

Tgt Ion:248 Resp: 8578
 Ion Ratio Lower Upper
 248 100
 250 186.4 75.8 113.6#
 141 406.6 50.2 75.4#

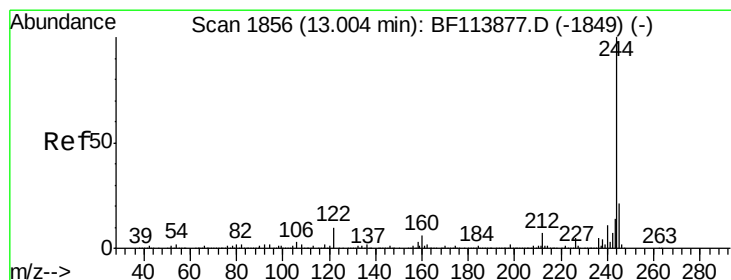
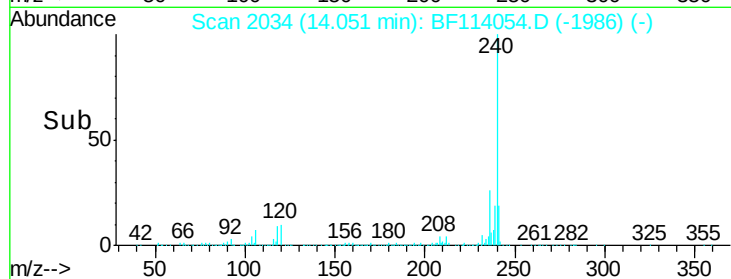
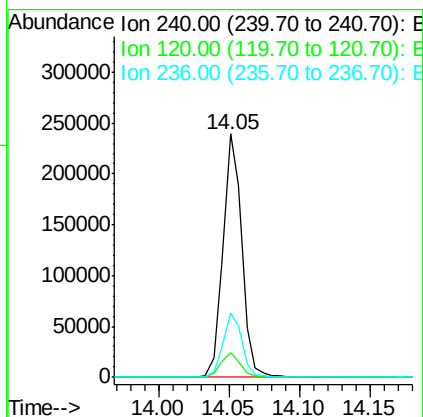
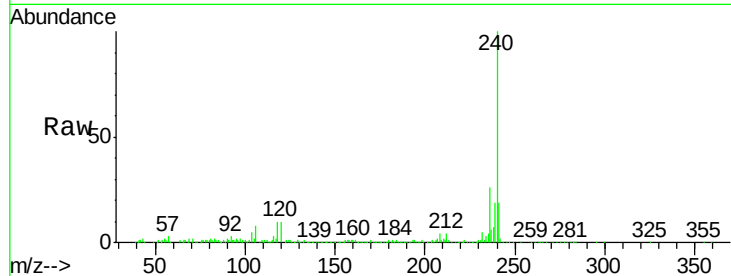




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.05 min Scan# 2034
 Delta R.T. -0.02 min
 Lab File: BF114054.D
 Acq: 30 Apr 2019 20:35

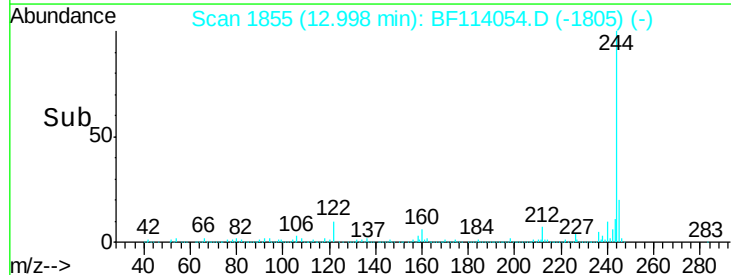
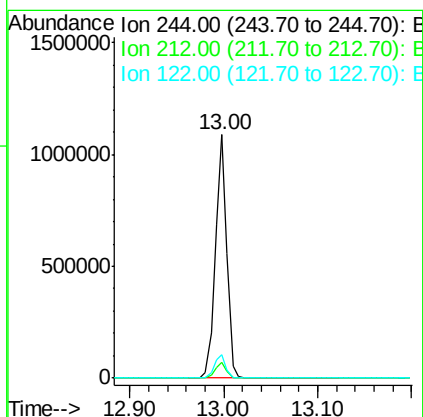
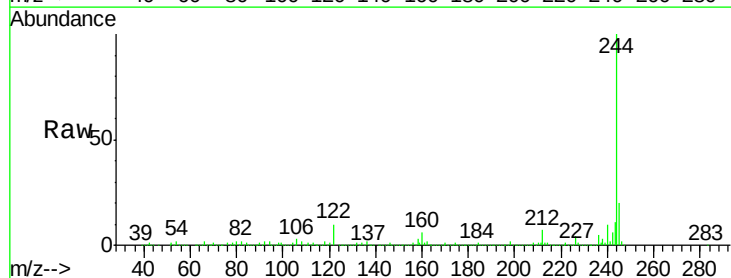
Instrument :
 BNA_F
 ClientSampleId :

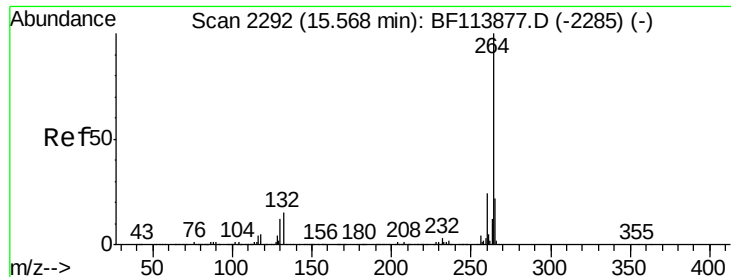
Tot Ion:240 Resp: 222033
 Ion Ratio Lower Upper
 240 100
 120 10.2 9.3 13.9
 236 26.3 21.2 31.8



#79
 Terphenyl-d14
 Concen: 85.954 ng
 RT: 13.00 min Scan# 1855
 Delta R.T. -0.01 min
 Lab File: BF114054.D
 Acq: 30 Apr 2019 20:35

Tgt Ion:244 Resp: 930902
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.2
 122 9.7 7.6 11.4

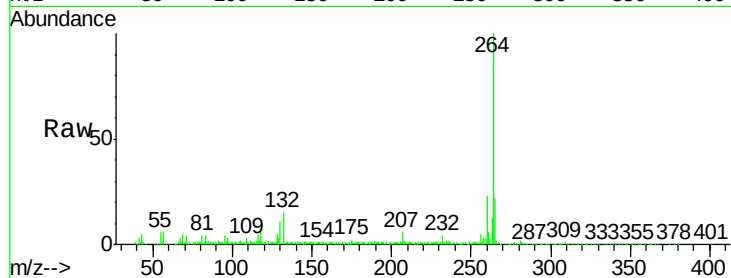




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.54 min Scan# 2287
 Delta R.T. -0.03 min
 Lab File: BF114054.D
 Acq: 30 Apr 2019 20:35

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.9	28.3
265	21.8	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

