

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041519\
 Data File : BF113782.D
 Acq On : 16 Apr 2019 00:23
 Operator : JU/SJ
 Sample : K2359-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 16 02:08:15 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 04 04:05:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	113941	20.00	ng	-0.01
21) Naphthalene-d8	7.95	136	398262	20.00	ng	-0.02
39) Acenaphthene-d10	9.70	164	161668	20.00	ng	-0.02
64) Phenanthrene-d10	11.19	188	304601	20.00	ng	-0.01
76) Chrysene-d12	13.84	240	301371	20.00	ng	0.00
87) Perylene-d12	15.26	264	213346	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.30	112	580226	86.84	ng	0.00
7) Phenol-d6	6.34	99	682136	82.83	ng	0.00
23) Nitrobenzene-d5	7.24	82	456550	67.15	ng	-0.02
42) 2,4,6-Tribromophenol	10.50	330	175419	90.33	ng	-0.02
45) 2-Fluorobiphenyl	9.03	172	823381	81.99	ng	-0.02
79) Terphenyl-d14	12.77	244	833146	56.29	ng	-0.02

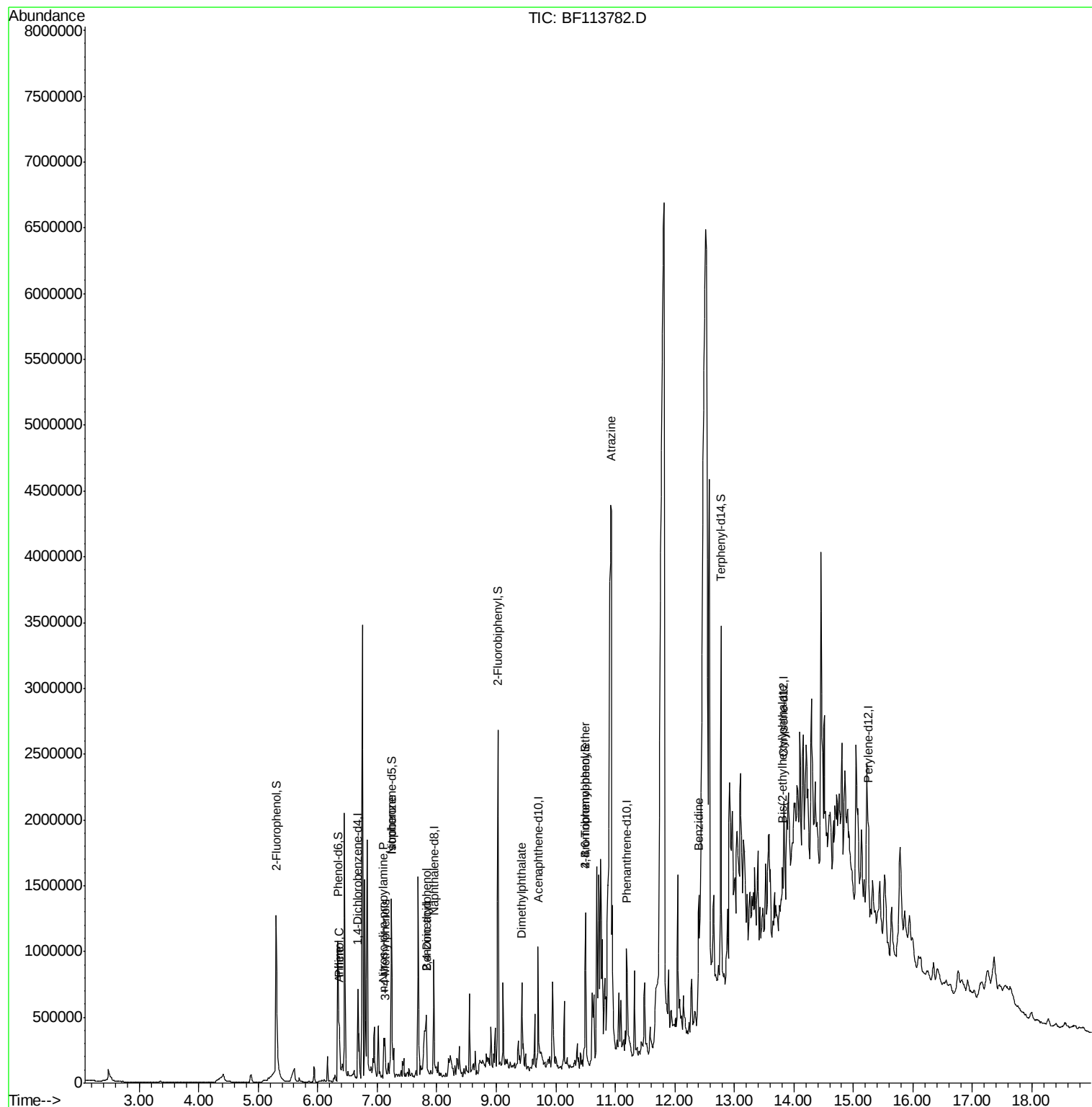
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Aniline	6.37	93	27541	2.759	ng	# 37
10) Phenol	6.36	94	20110	2.138	ng	# 99
19) n-Nitroso-di-n-propylamine	7.11	70	20784	4.093	ng	# 61
20) 3+4-Methylphenols	7.14	107	26624	3.668	ng	# 85
25) Isophorone	7.24	82	456550	34.857	ng	# 64
27) 2,4-Dimethylphenol	7.83	122	250791	46.551	ng	# 6
32) Benzoic acid	7.83	122	266090	63.783	ng	# 99
50) Dimethylphthalate	9.43	163	80797	6.780	ng	# 99
67) 4-Bromophenyl-phenylether	10.50	248	9660	2.828	ng	# 1
69) Atrazine	10.93	200	9403	3.190	ng	# 47
77) Benzidine	12.40	184	798029	71.208	ng	# 85
84) Bis(2-ethylhexyl)phthalate	13.81	149	98209	8.702	ng	# 98

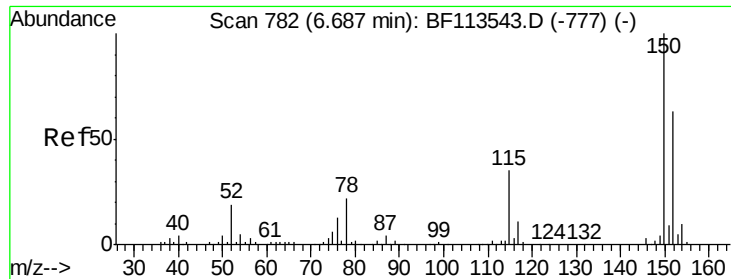
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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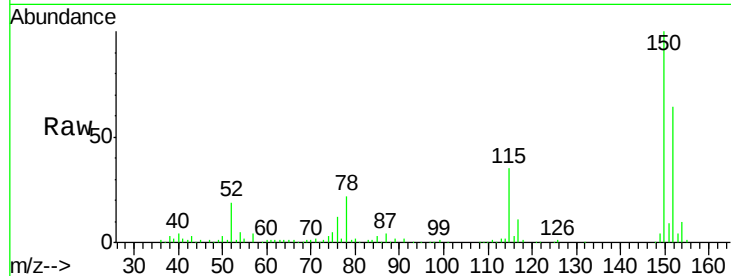


#1

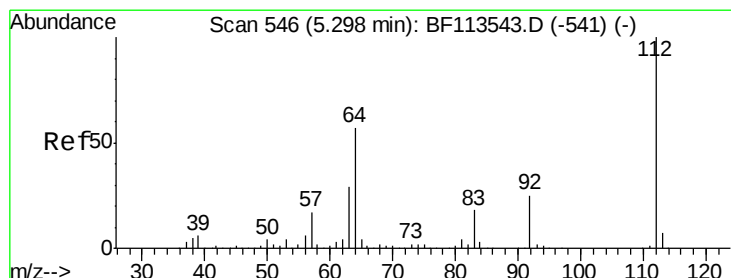
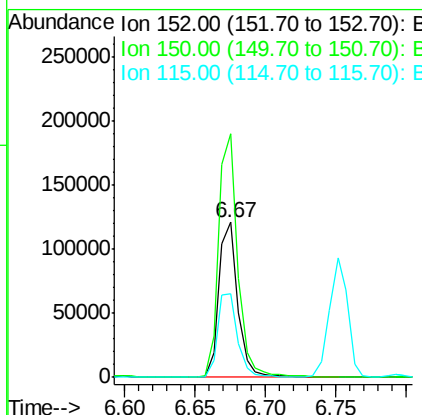
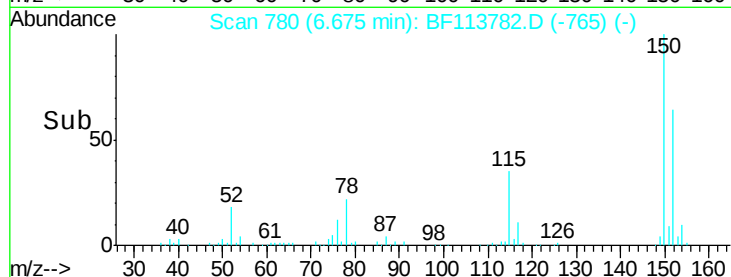
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 780
Delta R.T. -0.01 min
Lab File: BF113782.D
Acq: 16 Apr 2019 00:23

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 113941
Ion Ratio Lower Upper
152 100
150 156.9 124.7 187.1
115 54.1 46.0 69.0



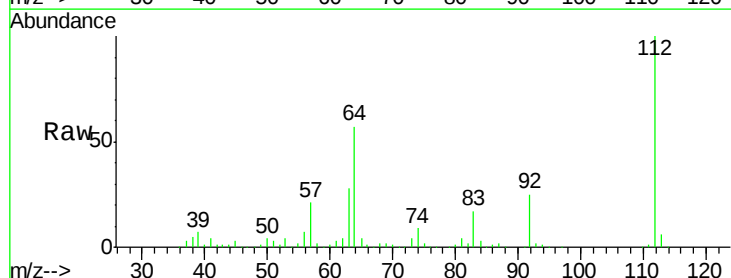
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



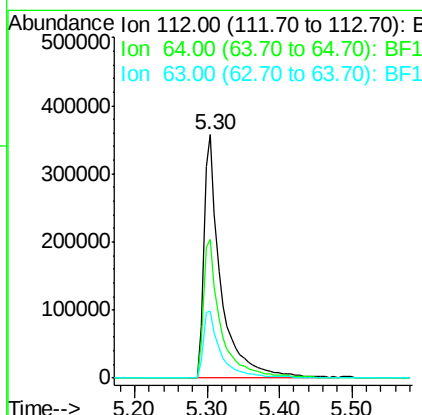
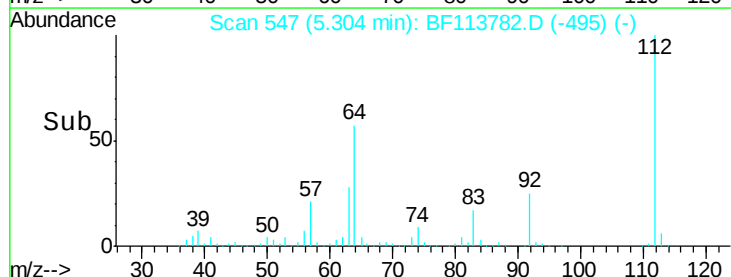
#5

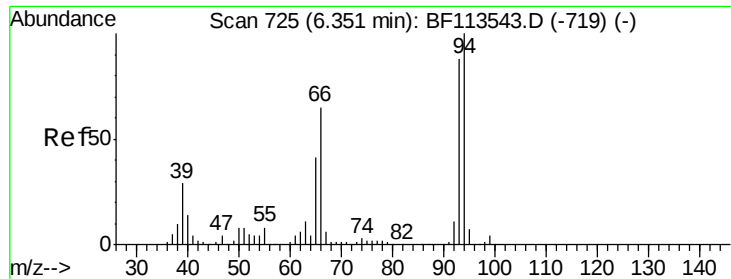
2-Fluorophenol
Concen: 86.836 ng
RT: 5.30 min Scan# 547
Delta R.T. 0.01 min
Lab File: BF113782.D
Acq: 16 Apr 2019 00:23

Tgt Ion:112 Resp: 580226
Ion Ratio Lower Upper
112 100
64 56.8 49.2 73.8
63 27.7 24.9 37.3



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





#6

Aniline

Concen: 2.759 ng

RT: 6.37 min Scan# 728

Delta R.T. 0.02 min

Lab File: BF113782.D

Acq: 16 Apr 2019 00:23

Instrument :

BNA_F

ClientSampleId :

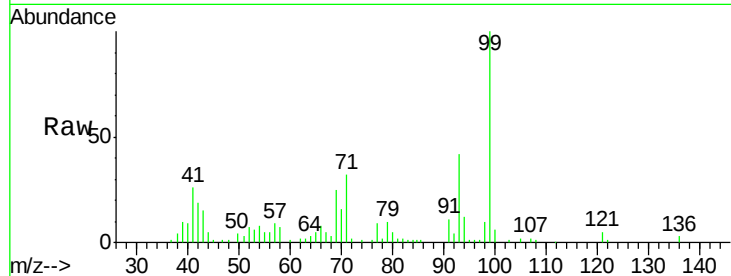
Tot Ion: 93 Resp: 27541

Ion Ratio Lower Upper

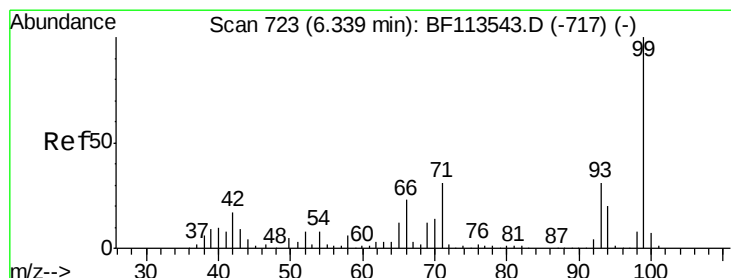
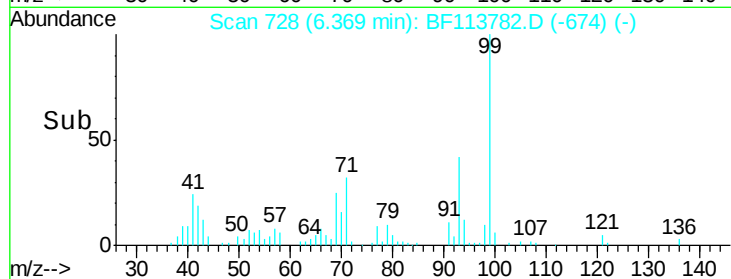
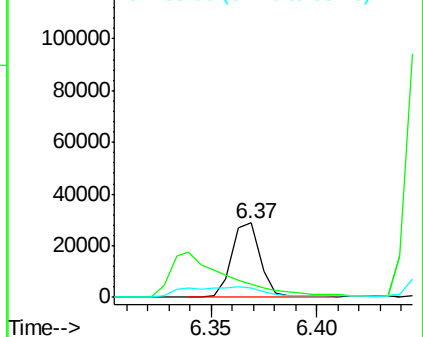
93 100

66 18.0 62.1 93.1#

65 11.9 38.7 58.1#



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 66.00 (65.70 to 66.70): BF1
Ion 65.00 (64.70 to 65.70): BF1



#7

Phenol-d6

Concen: 82.829 ng

RT: 6.34 min Scan# 723

Delta R.T. 0.00 min

Lab File: BF113782.D

Acq: 16 Apr 2019 00:23

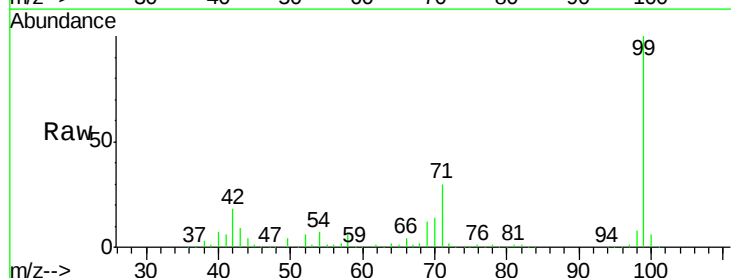
Tgt Ion: 99 Resp: 682136

Ion Ratio Lower Upper

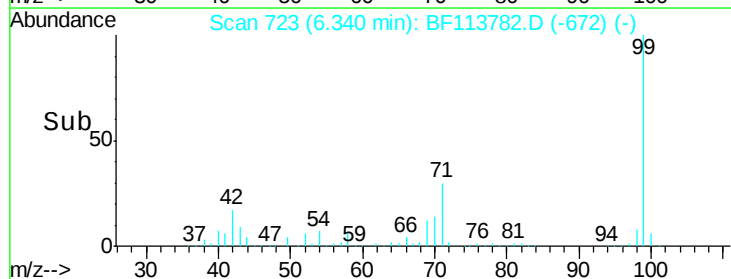
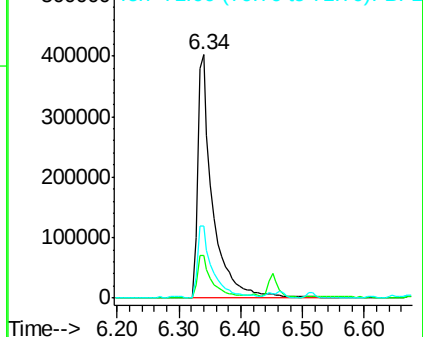
99 100

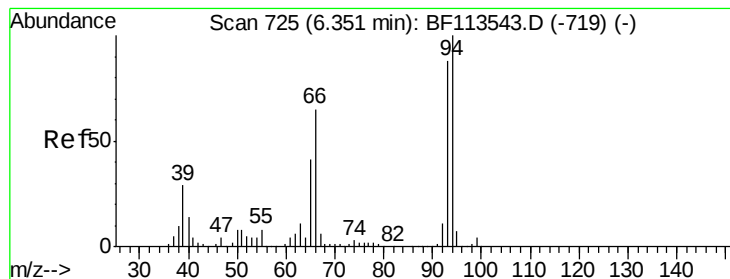
42 17.5 14.8 22.2

71 29.7 24.9 37.3



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





#10

Phenol

Concen: 2.138 ng

RT: 6.36 min Scan# 727

Delta R.T. 0.01 min

Lab File: BF113782.D

Acq: 16 Apr 2019 00:23

Instrument :

BNA_F

ClientSampleId :

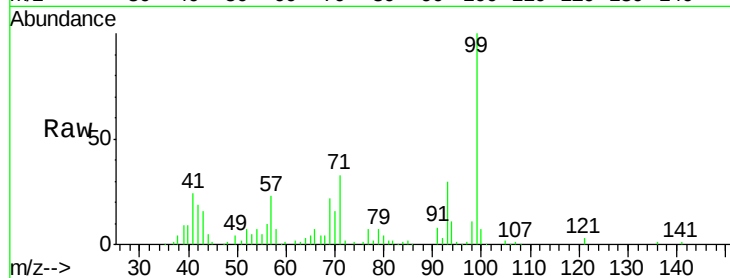
Tot Ion: 94 Resp: 20110

Ion Ratio Lower Upper

94 100

65 40.7 21.4 61.4

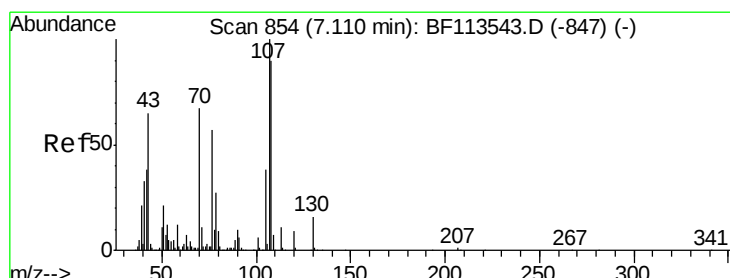
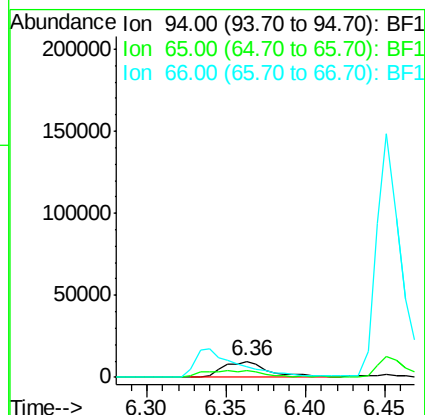
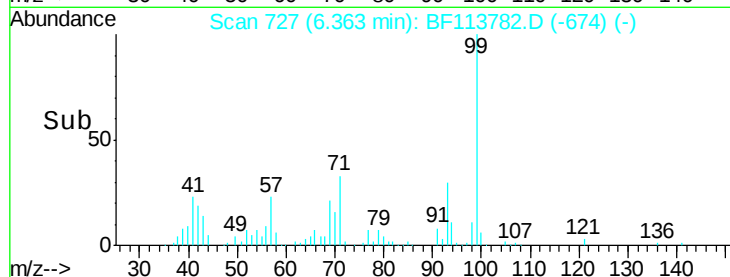
66 66.2 46.4 86.4



Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 4.093 ng

RT: 7.11 min Scan# 854

Delta R.T. 0.00 min

Lab File: BF113782.D

Acq: 16 Apr 2019 00:23

Tgt Ion: 70 Resp: 20784

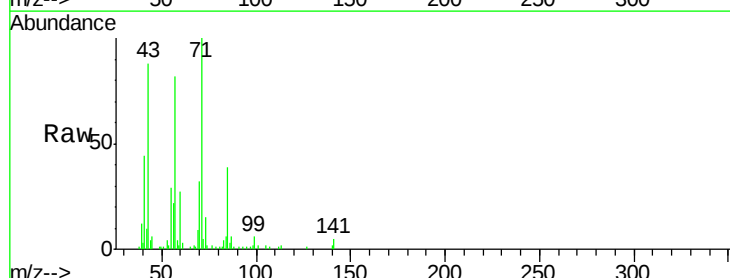
Ion Ratio Lower Upper

70 100

42 30.1 48.4 72.6#

101 6.0 7.8 11.8#

130 0.0 18.2 27.4#

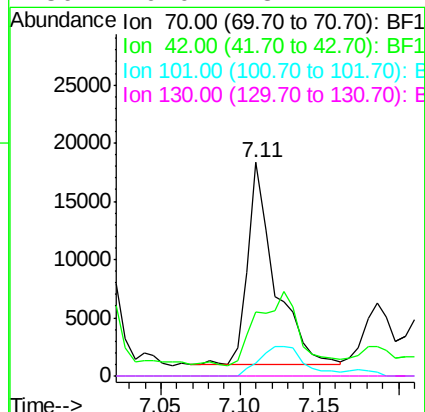
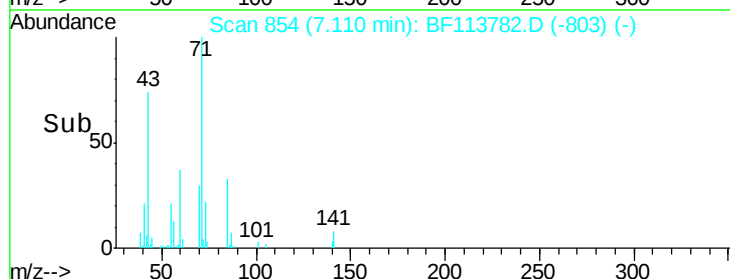


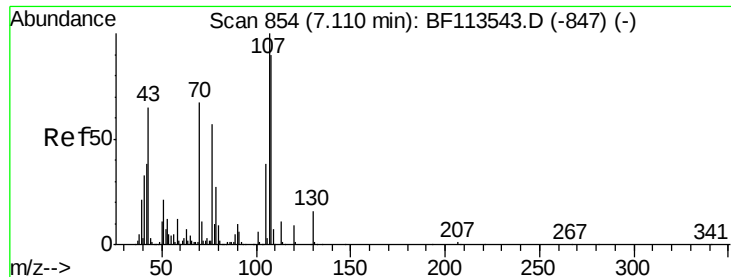
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

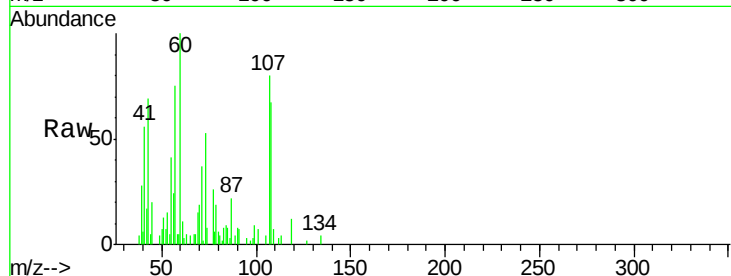




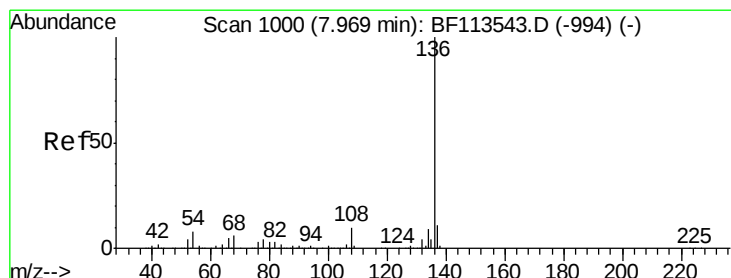
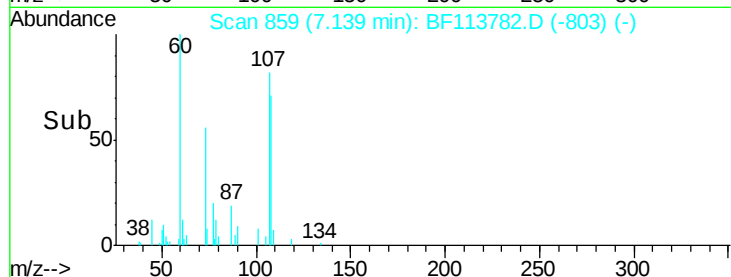
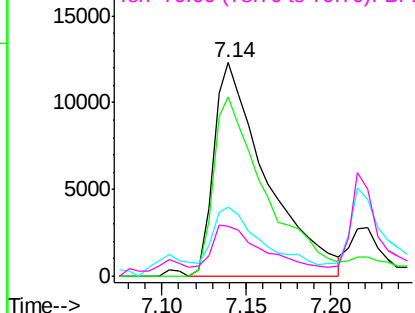
#20
 3+4-Methylphenols
 Concen: 3.668 ng
 RT: 7.14 min Scan# 859
 Delta R.T. 0.03 min
 Lab File: BF113782.D
 Acq: 16 Apr 2019 00:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:107 Resp: 26624
 Ion Ratio Lower Upper
 107 100
 108 83.9 71.4 111.4
 77 32.5 33.5 73.5#
 79 23.5 8.3 48.3



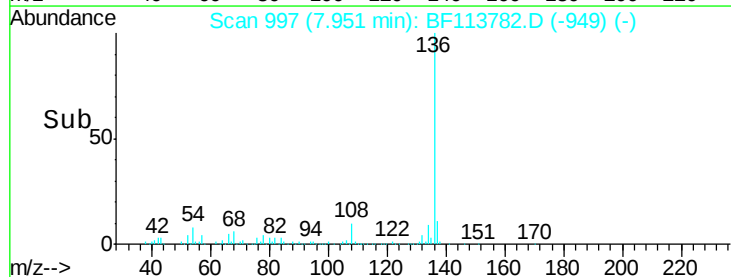
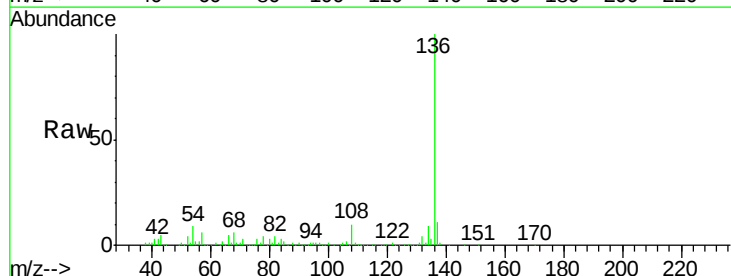
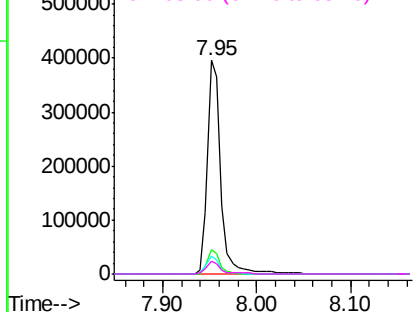
Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 108.00 (107.70 to 108.70): E
 Ion 77.00 (76.70 to 77.70): BF1
 Ion 79.00 (78.70 to 79.70): BF1

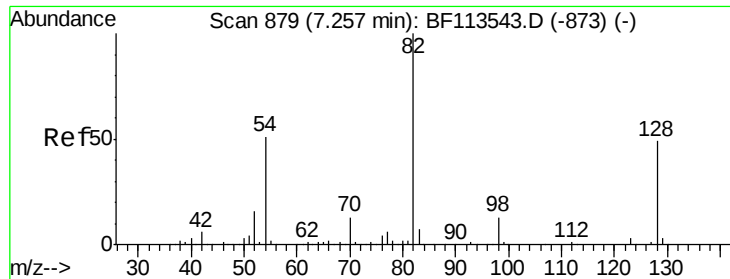


#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 7.95 min Scan# 997
 Delta R.T. -0.02 min
 Lab File: BF113782.D
 Acq: 16 Apr 2019 00:23

Tgt Ion:136 Resp: 398262
 Ion Ratio Lower Upper
 136 100
 137 11.1 8.9 13.3
 54 8.6 7.0 10.6
 68 6.1 4.8 7.2

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

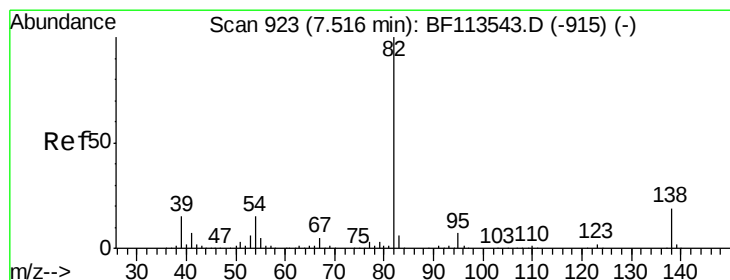
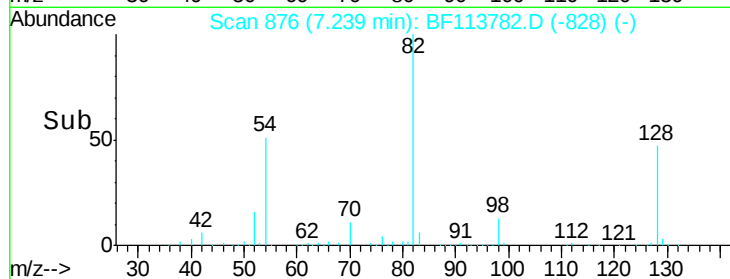
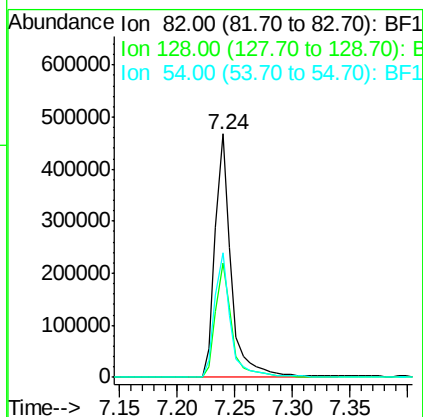
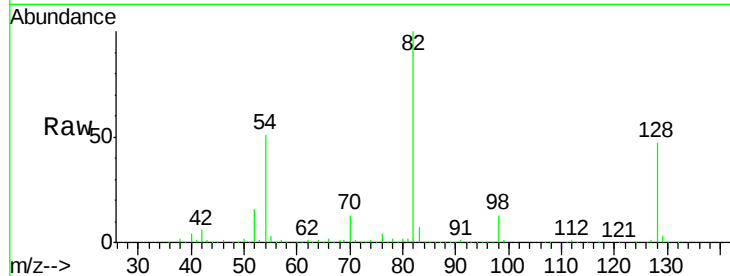




#23
 Nitrobenzene-d5
 Concen: 67.148 ng
 RT: 7.24 min Scan# 876
 Delta R.T. -0.02 min
 Lab File: BF113782.D
 Acq: 16 Apr 2019 00:23

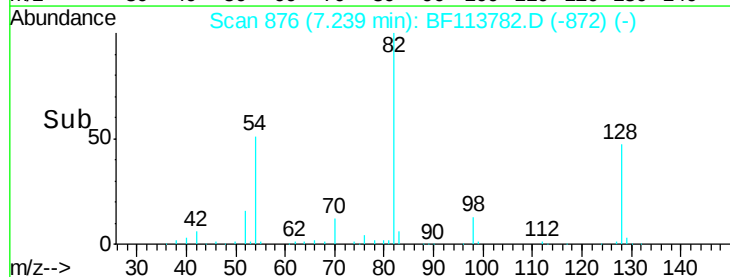
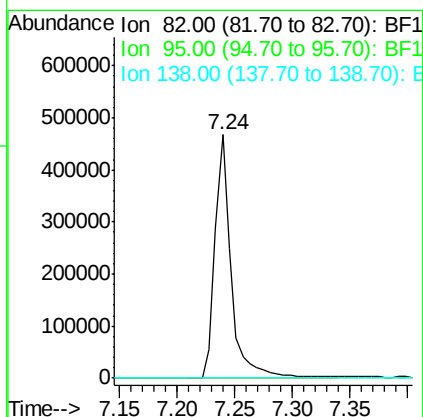
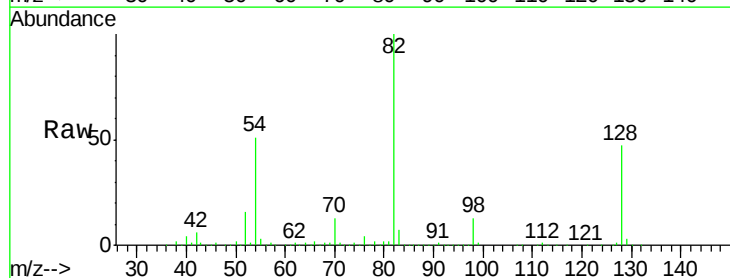
Instrument :
 BNA_F
 ClientSampleId :

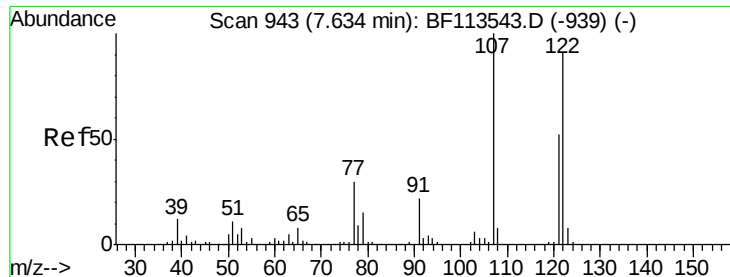
Tot Ion: 82 Resp: 456550
 Ion Ratio Lower Upper
 82 100
 128 46.9 36.5 54.7
 54 51.0 42.2 63.2



#25
 Isophorone
 Concen: 34.857 ng
 RT: 7.24 min Scan# 876
 Delta R.T. -0.28 min
 Lab File: BF113782.D
 Acq: 16 Apr 2019 00:23

Tgt Ion: 82 Resp: 456550
 Ion Ratio Lower Upper
 82 100
 95 0.1 5.5 8.3#
 138 0.0 15.2 22.8#





#27

2,4-Dimethylphenol

Concen: 46.551 ng

RT: 7.83 min Scan# 976

Delta R.T. 0.19 min

Lab File: BF113782.D

Acq: 16 Apr 2019 00:23

Instrument :

BNA_F

ClientSampleId :

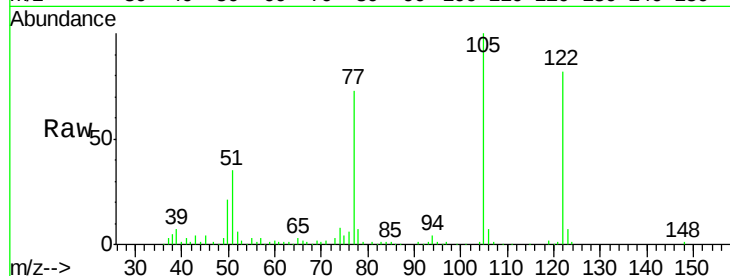
Tot Ion:122 Resp: 250791

Ion Ratio Lower Upper

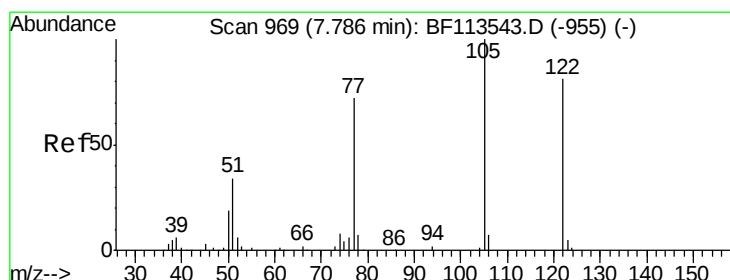
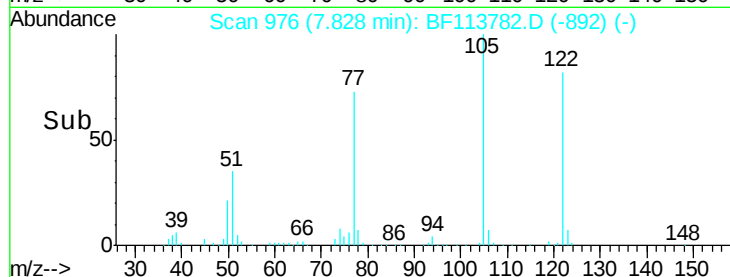
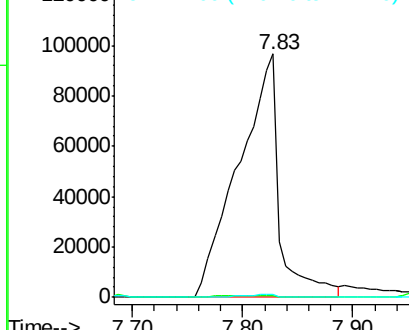
122 100

107 0.7 88.8 133.2#

121 1.0 45.5 68.3#



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E



#32

Benzoic acid

Concen: 63.783 ng

RT: 7.83 min Scan# 976

Delta R.T. 0.04 min

Lab File: BF113782.D

Acq: 16 Apr 2019 00:23

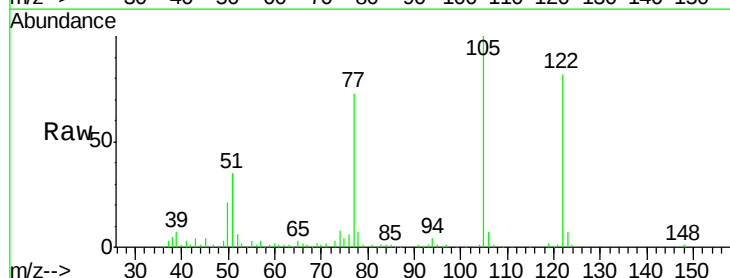
Tgt Ion:122 Resp: 266090

Ion Ratio Lower Upper

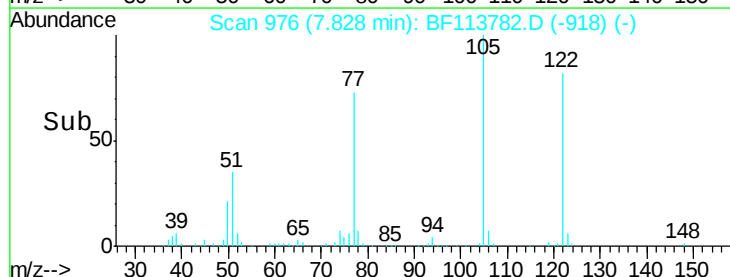
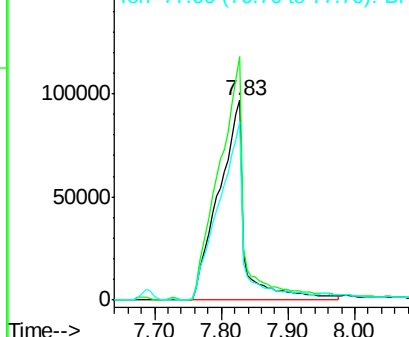
122 100

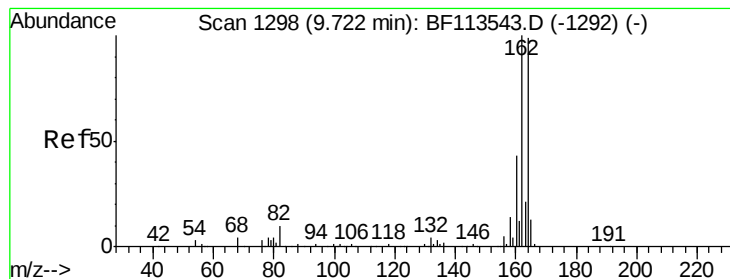
105 122.0 100.4 140.4

77 89.1 69.0 109.0



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.70 min Scan# 1295

Delta R.T. -0.02 min

Lab File: BF113782.D

Acq: 16 Apr 2019 00:23

Instrument :

BNA_F

ClientSampleId :

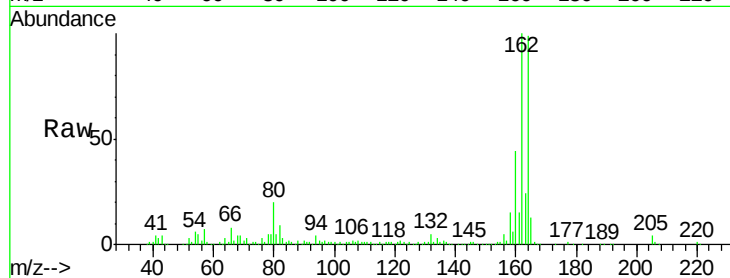
Tot Ion:164 Resp: 161668

Ion Ratio Lower Upper

164 100

162 101.1 81.8 122.6

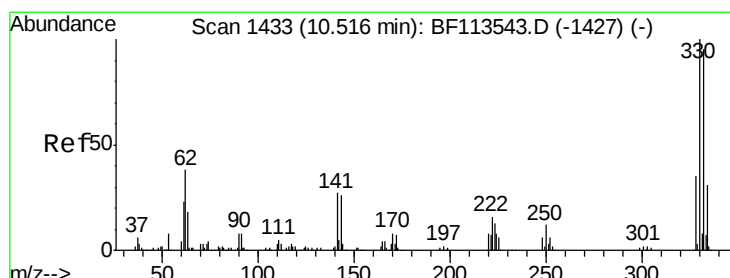
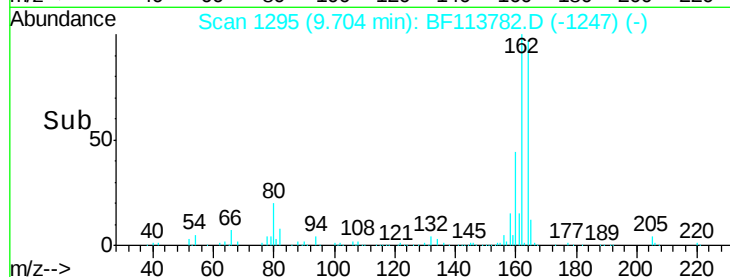
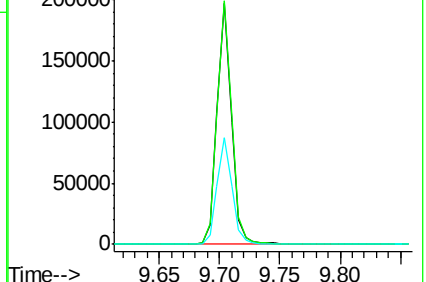
160 44.4 36.4 54.6



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: 90.328 ng

RT: 10.50 min Scan# 1430

Delta R.T. -0.02 min

Lab File: BF113782.D

Acq: 16 Apr 2019 00:23

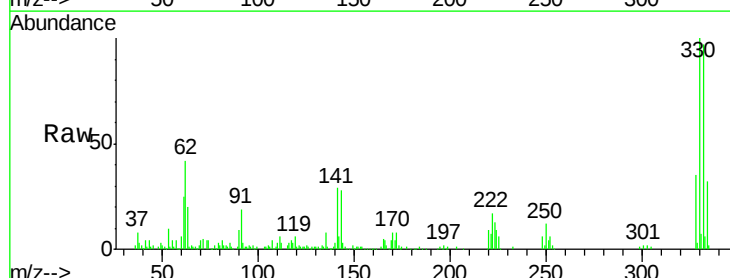
Tgt Ion:330 Resp: 175419

Ion Ratio Lower Upper

330 100

332 97.4 77.8 116.6

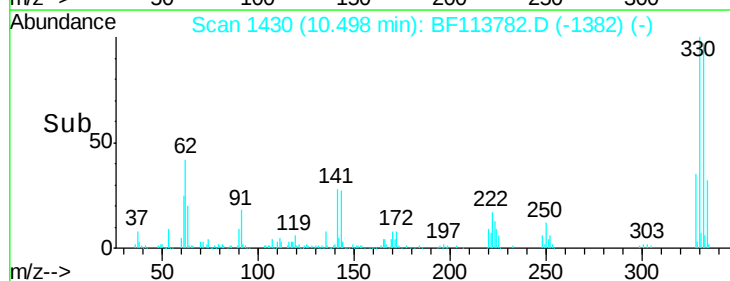
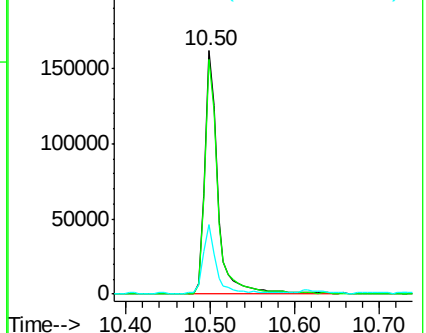
141 27.3 22.7 34.1

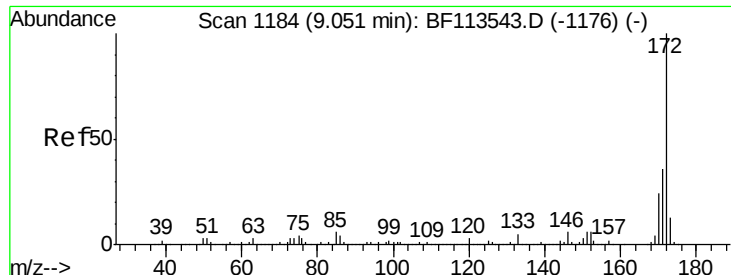


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

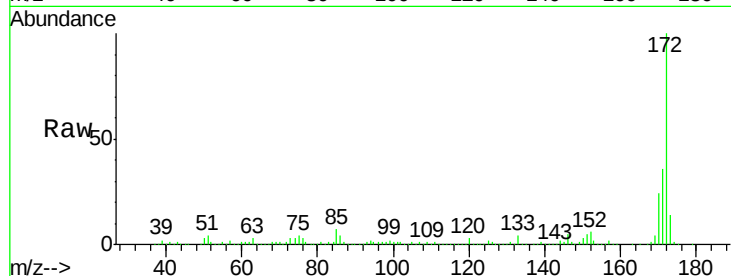




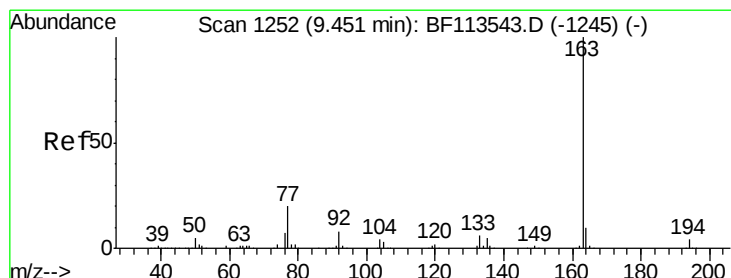
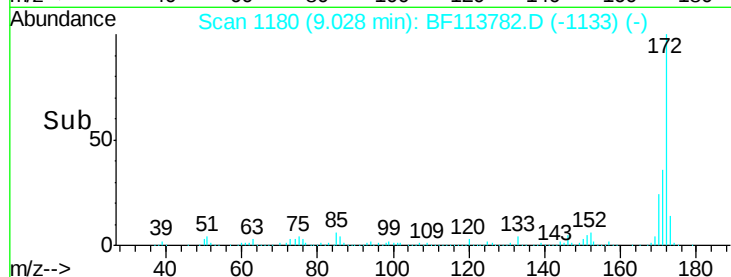
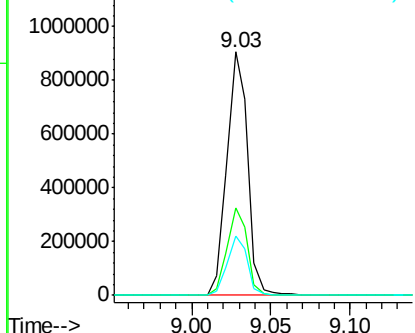
#45
2-Fluorobiphenyl
Concen: 81.992 ng
RT: 9.03 min Scan# 1180
Delta R.T. -0.02 min
Lab File: BF113782.D
Acq: 16 Apr 2019 00:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 823381
Ion Ratio Lower Upper
172 100
171 35.7 29.0 43.6
170 24.1 19.5 29.3

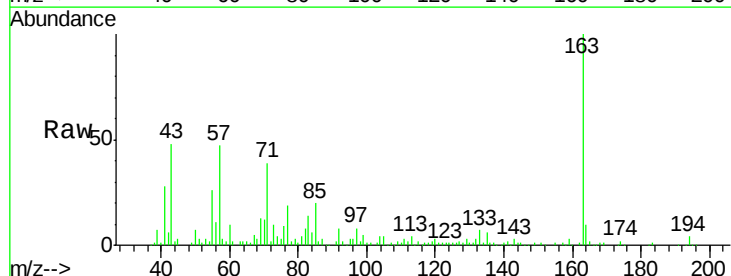


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

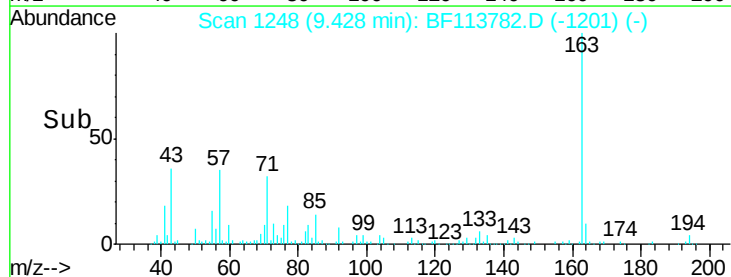
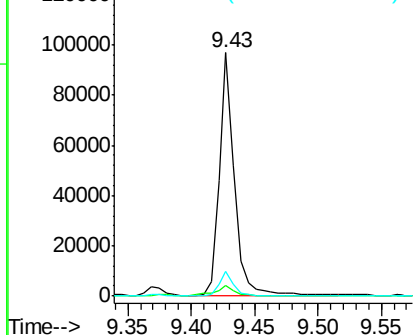


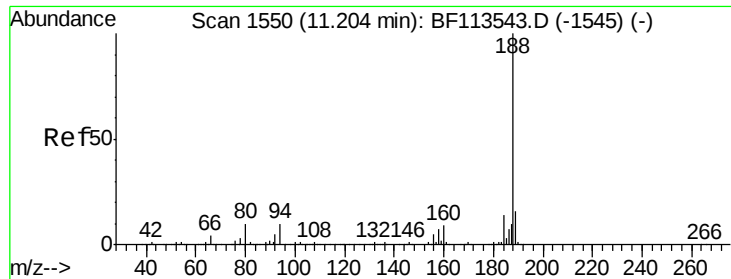
#50
Dimethylphthalate
Concen: 6.780 ng
RT: 9.43 min Scan# 1248
Delta R.T. -0.02 min
Lab File: BF113782.D
Acq: 16 Apr 2019 00:23

Tgt Ion:163 Resp: 80797
Ion Ratio Lower Upper
163 100
194 4.2 3.0 4.6
164 10.0 8.1 12.1



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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.19 min Scan# 1548

Delta R.T. -0.01 min

Lab File: BF113782.D

Acq: 16 Apr 2019 00:23

Instrument :

BNA_F

ClientSampleId :

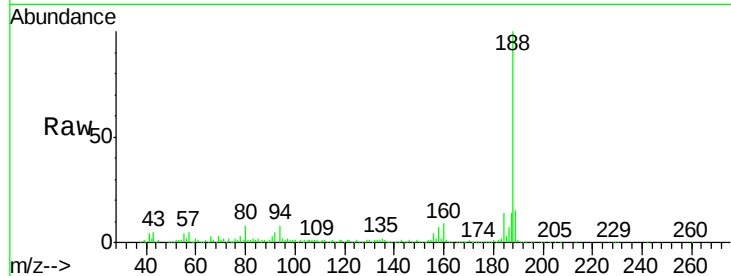
Tot Ion:188 Resp: 304601

Ion Ratio Lower Upper

188 100

94 8.0 7.0 10.6

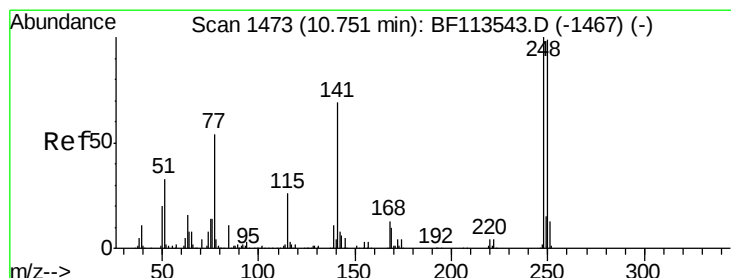
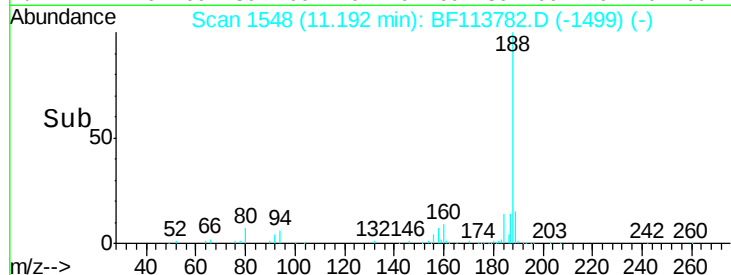
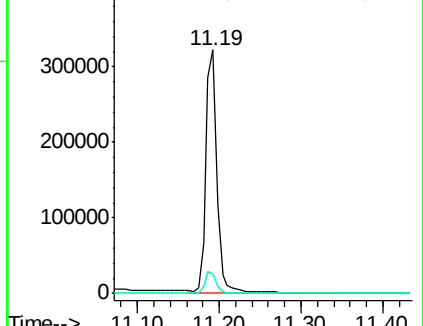
80 8.2 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#67

4-Bromophenyl-phenylether

Concen: 2.828 ng

RT: 10.50 min Scan# 1430

Delta R.T. -0.25 min

Lab File: BF113782.D

Acq: 16 Apr 2019 00:23

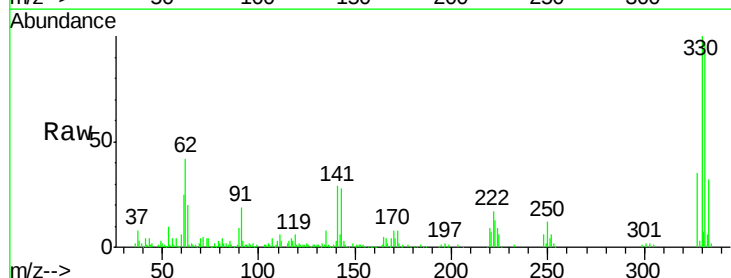
Tgt Ion:248 Resp: 9660

Ion Ratio Lower Upper

248 100

250 191.7 78.3 117.5#

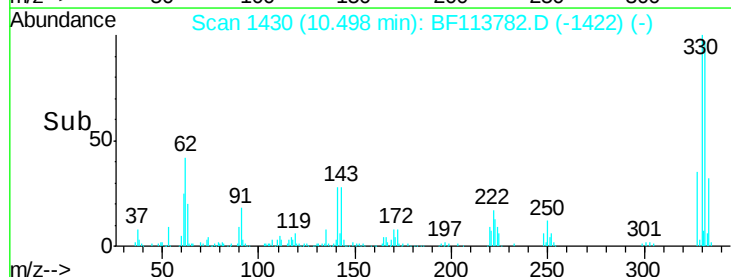
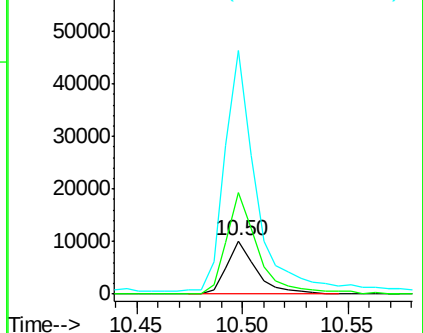
141 459.2 56.2 84.4#

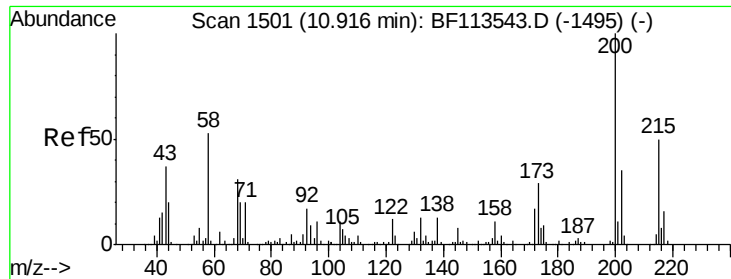


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

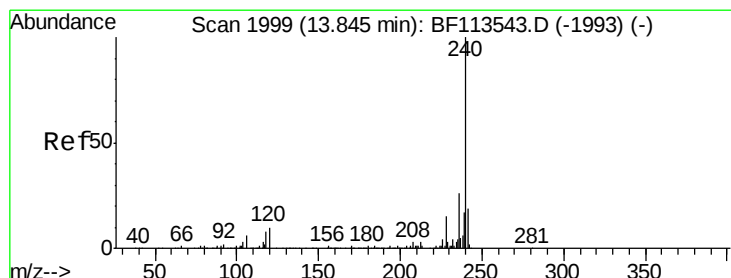
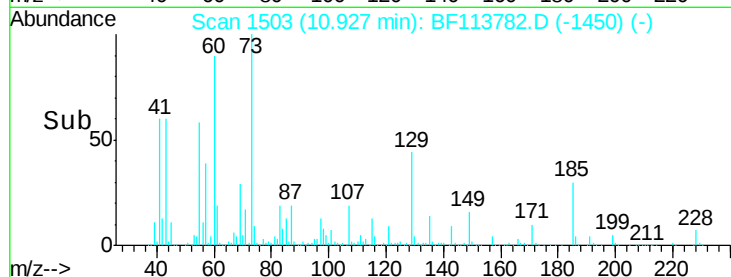
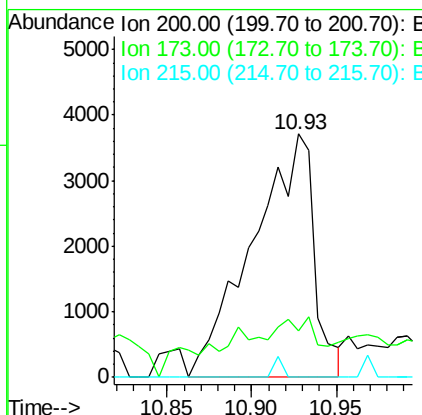
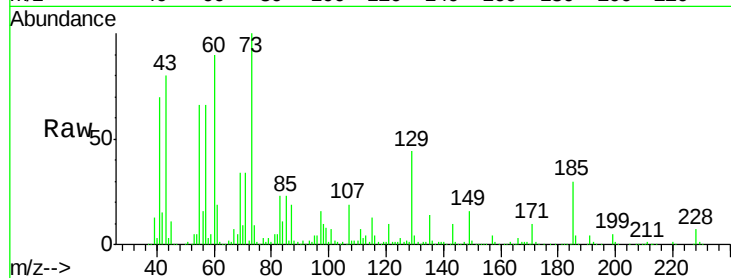




#69
Atrazine
Concen: 3.190 ng
RT: 10.93 min Scan# 1503
Delta R.T. 0.01 min
Lab File: BF113782.D
Acq: 16 Apr 2019 00:23

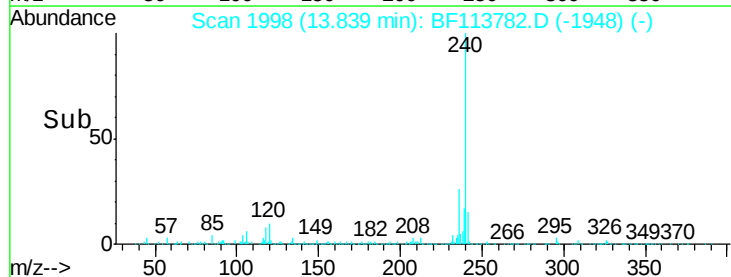
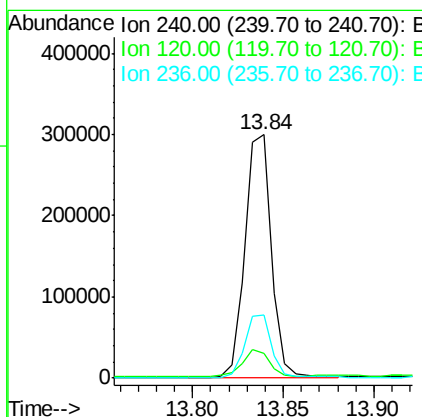
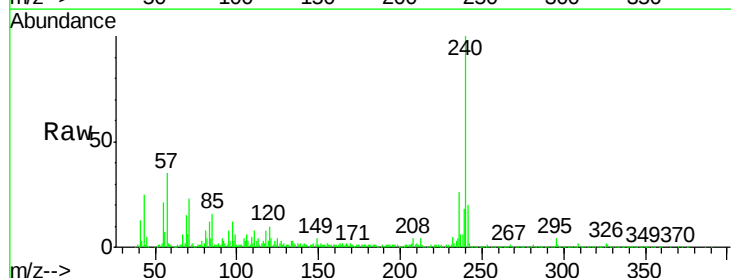
Instrument :
BNA_F
ClientSampled :

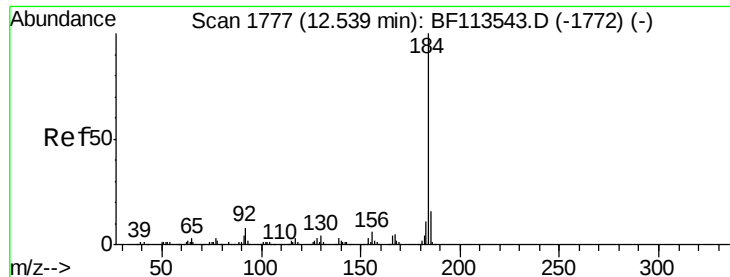
Tot Ion:200 Resp: 9403
Ion Ratio Lower Upper
200 100
173 19.3 6.0 46.0
215 0.0 31.3 71.3#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.84 min Scan# 1998
Delta R.T. -0.01 min
Lab File: BF113782.D
Acq: 16 Apr 2019 00:23

Tgt Ion:240 Resp: 301371
Ion Ratio Lower Upper
240 100
120 10.2 8.8 13.2
236 26.1 20.9 31.3





#77

Benzidine

Concen: 71.208 ng

RT: 12.40 min Scan# 1754

Delta R.T. -0.14 min

Lab File: BF113782.D

Acq: 16 Apr 2019 00:23

Instrument :

BNA_F

ClientSampleId :

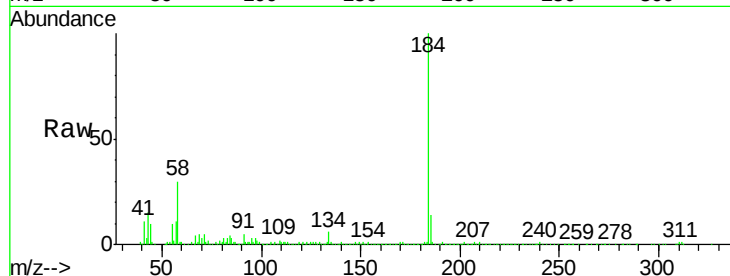
Tot Ion:184 Resp: 798029

Ion Ratio Lower Upper

184 100

185 13.8 13.0 19.6

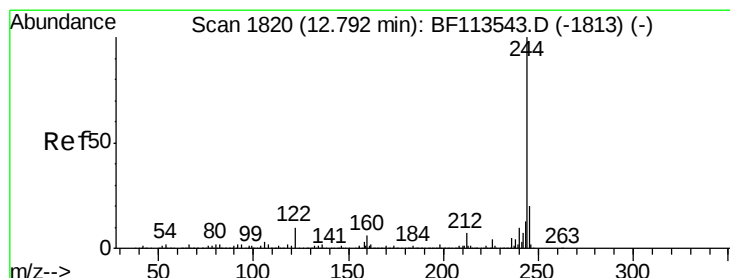
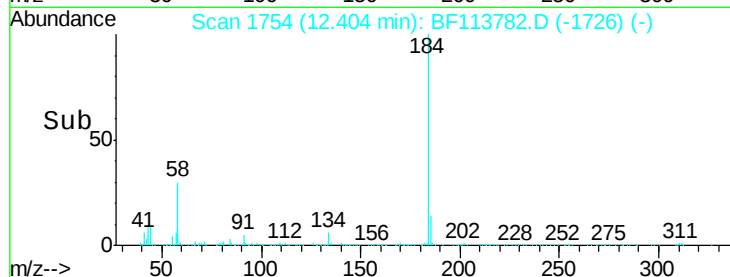
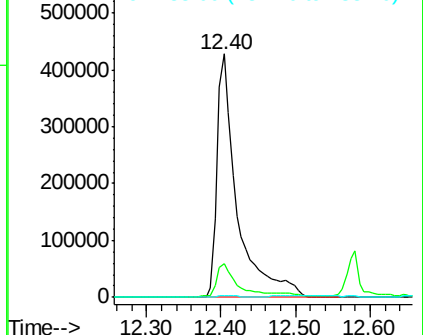
183 0.7 9.0 13.4#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 56.286 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.02 min

Lab File: BF113782.D

Acq: 16 Apr 2019 00:23

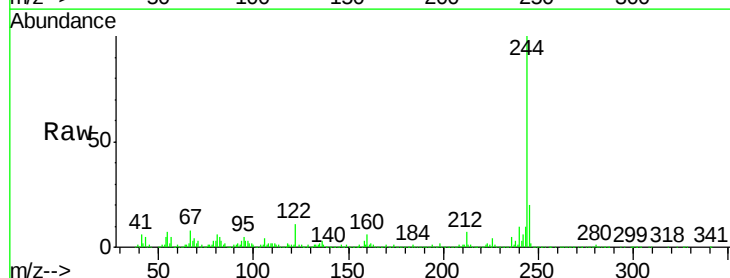
Tgt Ion:244 Resp: 833146

Ion Ratio Lower Upper

244 100

212 6.7 5.5 8.3

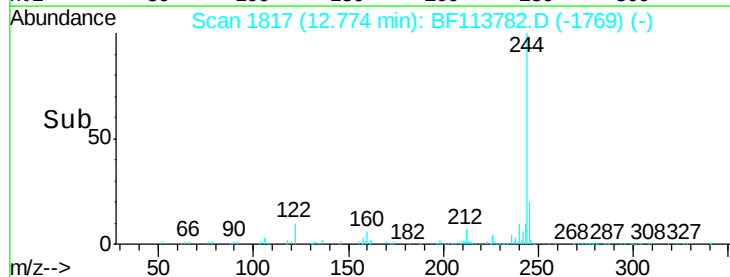
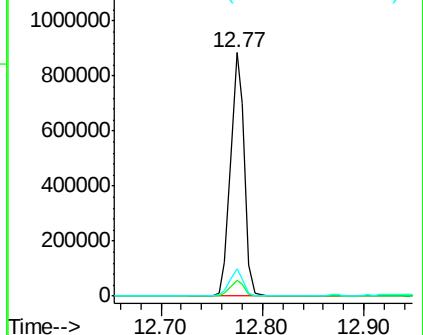
122 11.4 8.6 13.0

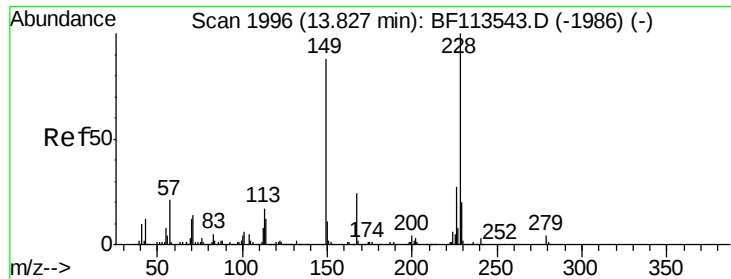


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 8.702 ng

RT: 13.81 min Scan# 1993

Delta R.T. -0.02 min

Lab File: BF113782.D

Acq: 16 Apr 2019 00:23

Instrument :

BNA_F

ClientSampleId :

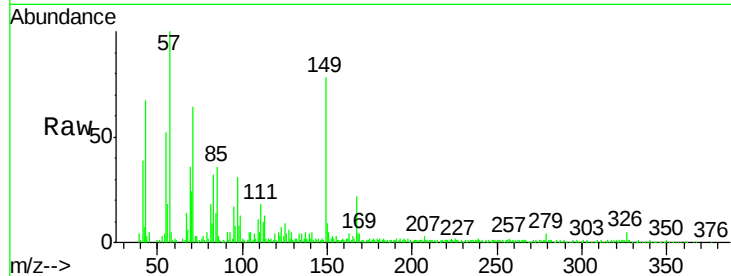
Tot Ion:149 Resp: 98209

Ion Ratio Lower Upper

149 100

167 28.3 21.8 32.8

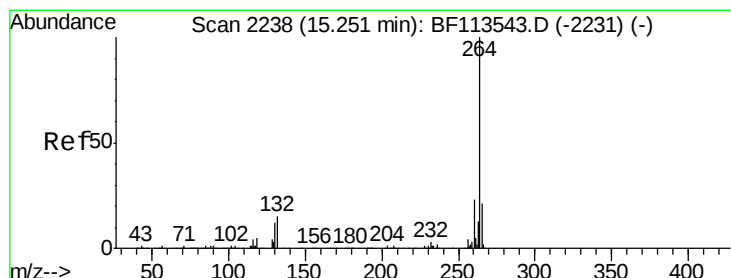
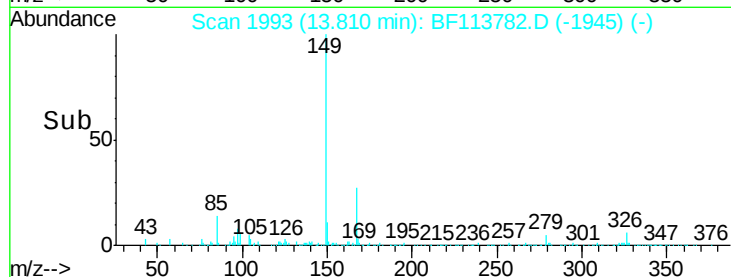
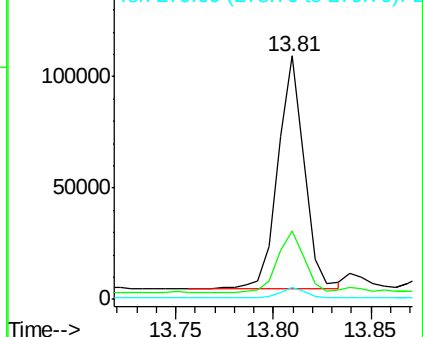
279 5.1 2.9 4.3#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.26 min Scan# 2239

Delta R.T. 0.01 min

Lab File: BF113782.D

Acq: 16 Apr 2019 00:23

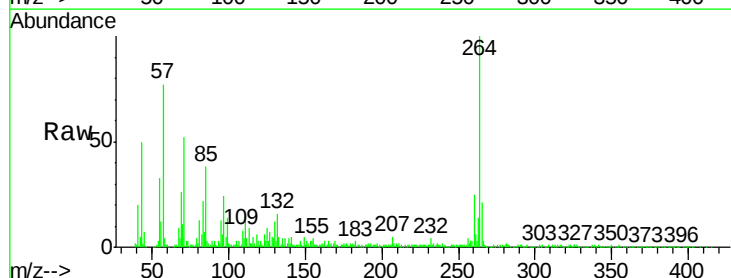
Tgt Ion:264 Resp: 213346

Ion Ratio Lower Upper

264 100

260 24.5 19.1 28.7

265 21.4 17.1 25.7



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

