

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040519\
 Data File : BF113634.D
 Acq On : 6 Apr 2019 00:13
 Operator : JU/SJ
 Sample : K2186-17RE 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 06 01:06:20 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

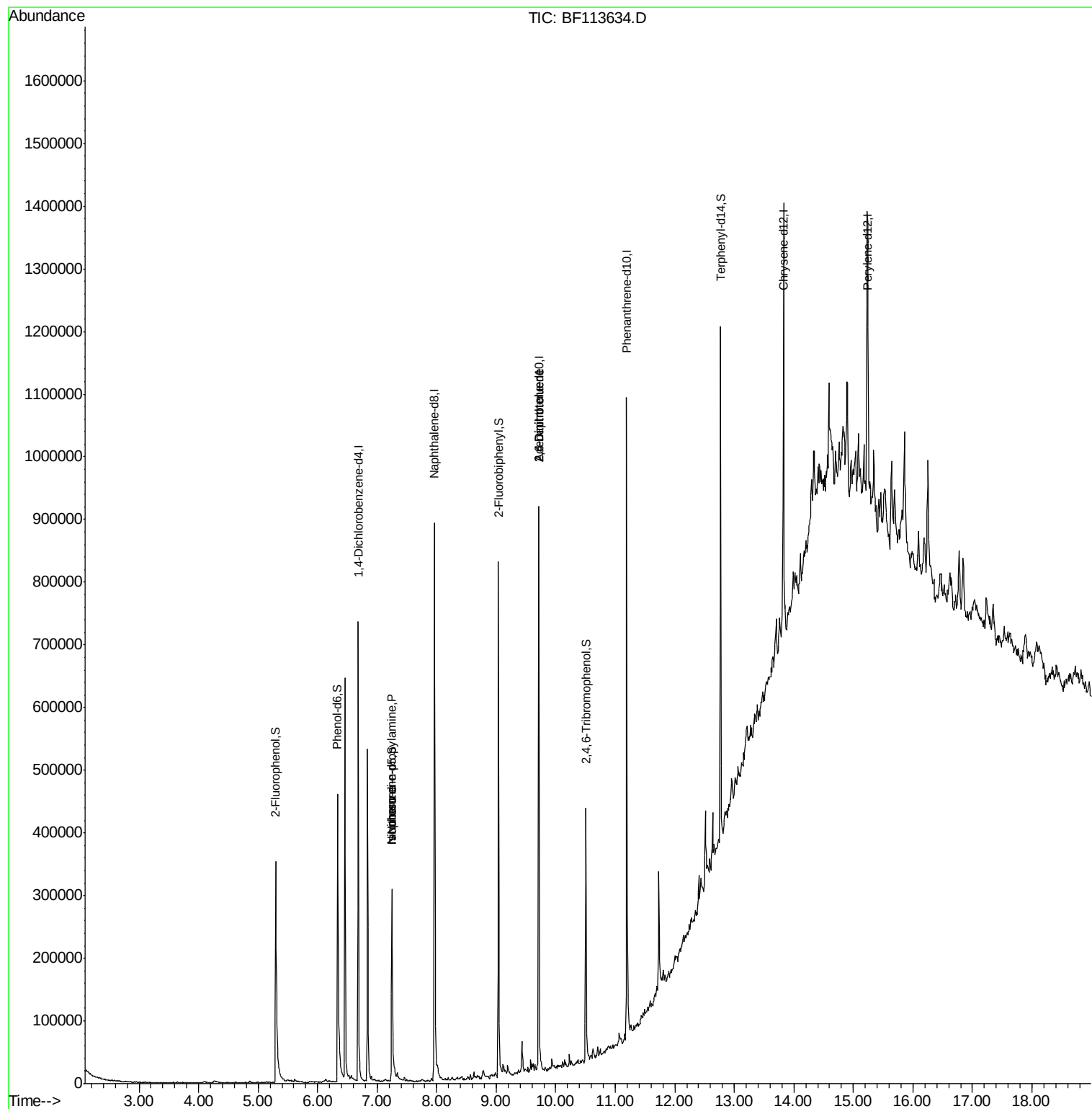
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	118685	20.00	ng	0.00
21) Naphthalene-d8	7.96	136	445442	20.00	ng	0.00
39) Acenaphthene-d10	9.71	164	203555	20.00	ng	-0.01
64) Phenanthrene-d10	11.19	188	389201	20.00	ng	-0.01
76) Chrysene-d12	13.83	240	251341	20.00	ng	-0.02
87) Perylene-d12	15.23	264	188517	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	175453	25.21	ng	0.00
7) Phenol-d6	6.33	99	236060	27.52	ng	0.00
23) Nitrobenzene-d5	7.25	82	134224	17.65	ng	-0.01
42) 2,4,6-Tribromophenol	10.50	330	57685	23.59	ng	-0.01
45) 2-Fluorobiphenyl	9.04	172	288213	22.79	ng	-0.01
79) Terphenyl-d14	12.77	244	278877	22.59	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.25	70	16833	3.182	ng	# 79
25) Isophorone	7.25	82	134224	9.163	ng	# 64
51) 2,6-Dinitrotoluene	9.71	165	26502	8.013	ng	# 26
57) 2,4-Dinitrotoluene	9.71	165	26502	6.625	ng	# 23

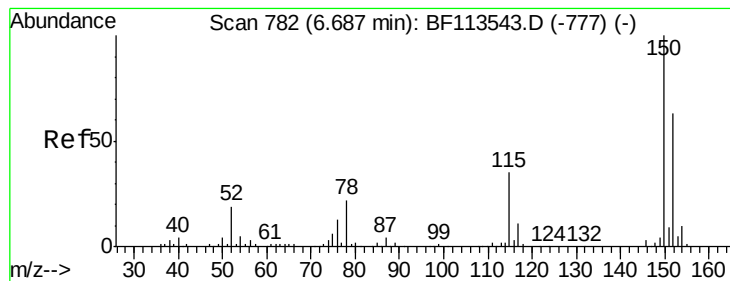
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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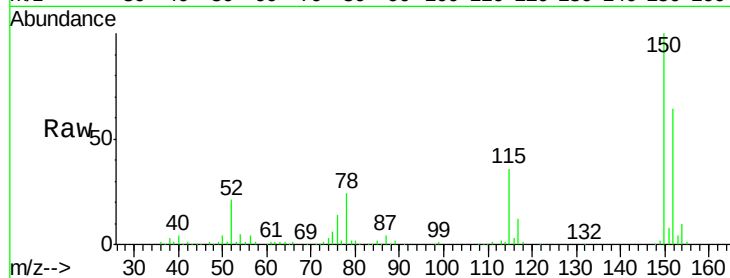


#1

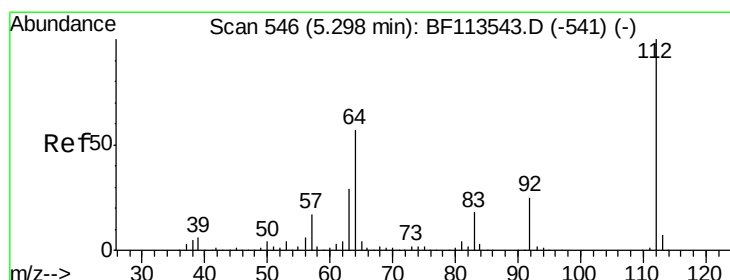
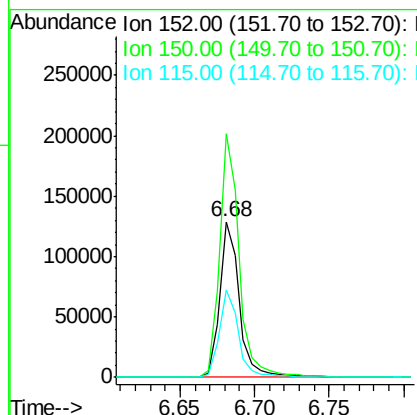
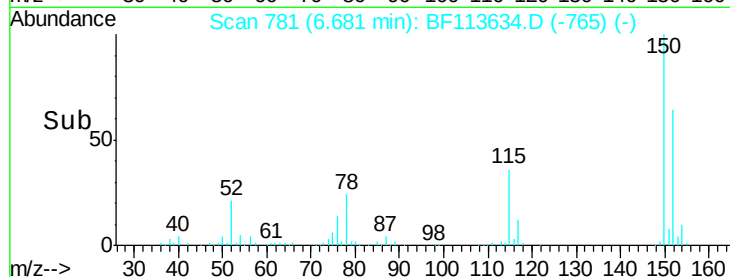
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.68 min Scan# 781
Delta R.T. -0.01 min
Lab File: BF113634.D
Acq: 6 Apr 2019 00:13

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 118685
Ion Ratio Lower Upper
152 100
150 156.7 124.7 187.1
115 56.5 46.0 69.0



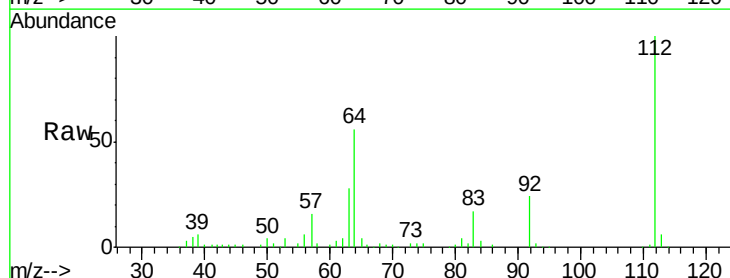
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



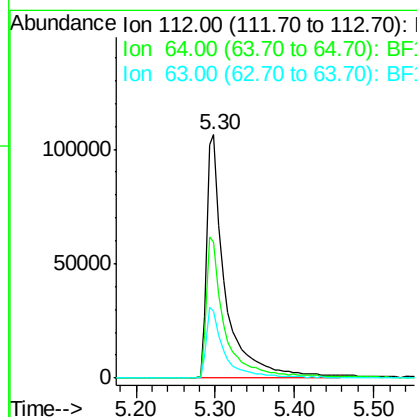
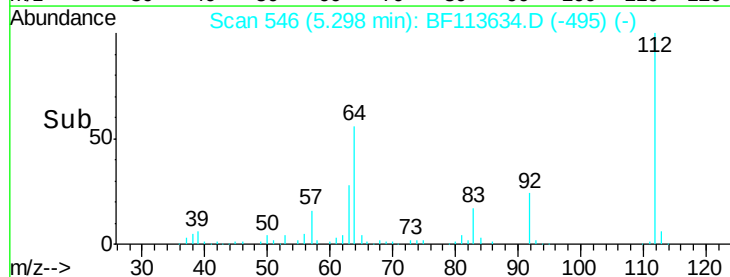
#5

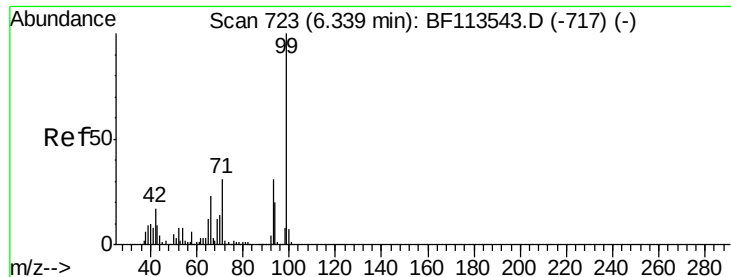
2-Fluorophenol
Concen: 25.209 ng
RT: 5.30 min Scan# 546
Delta R.T. 0.00 min
Lab File: BF113634.D
Acq: 6 Apr 2019 00:13

Tgt Ion:112 Resp: 175453
Ion Ratio Lower Upper
112 100
64 55.8 49.2 73.8
63 27.6 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





#7

Phenol-d6

Concen: 27.518 ng

RT: 6.33 min Scan# 722

Delta R.T. -0.01 min

Lab File: BF113634.D

Acq: 6 Apr 2019 00:13

Instrument :

BNA_F

ClientSampleId :

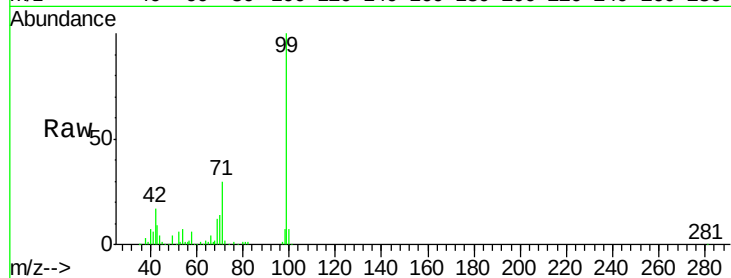
Tot Ion: 99 Resp: 236060

Ion Ratio Lower Upper

99 100

42 17.0 14.8 22.2

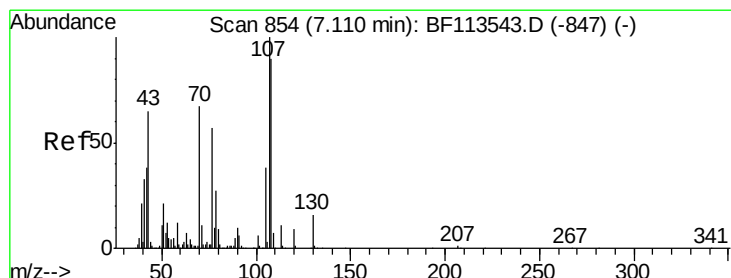
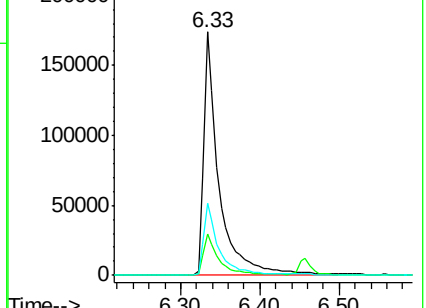
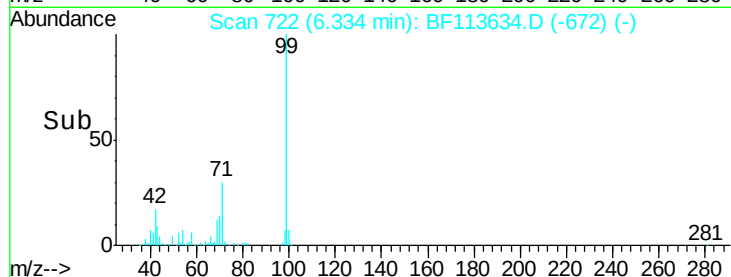
71 29.6 24.9 37.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 3.182 ng

RT: 7.25 min Scan# 877

Delta R.T. 0.14 min

Lab File: BF113634.D

Acq: 6 Apr 2019 00:13

Tgt Ion: 70 Resp: 16833

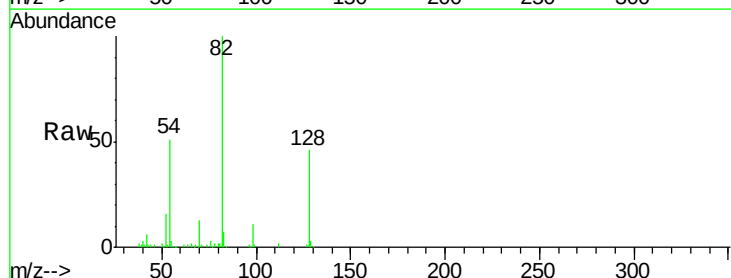
Ion Ratio Lower Upper

70 100

42 50.2 48.4 72.6

101 0.0 7.8 11.8#

130 3.4 18.2 27.4#

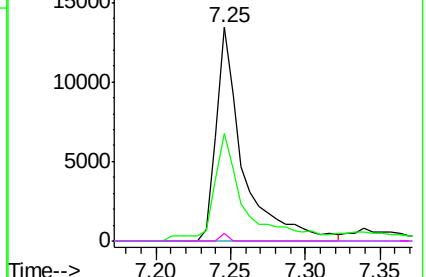
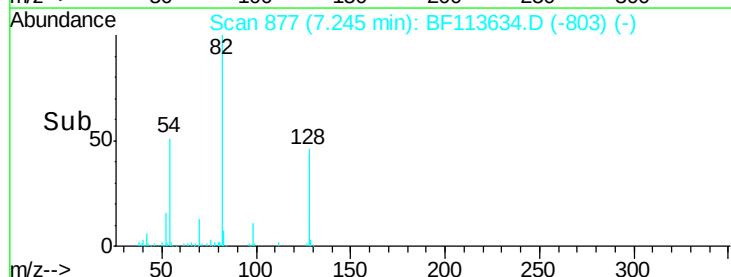


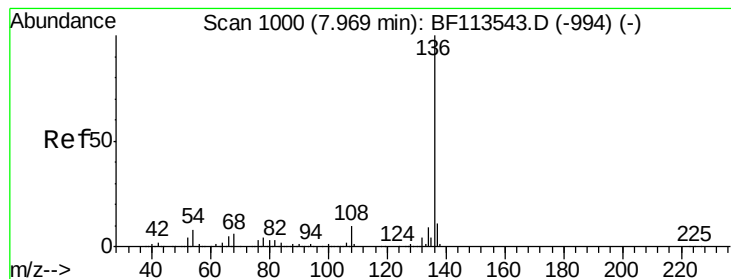
Abundance Ion 70.00 (69.70 to 70.70): BF1

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





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.96 min Scan# 999

Delta R.T. -0.01 min

Lab File: BF113634.D

Acq: 6 Apr 2019 00:13

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 445442

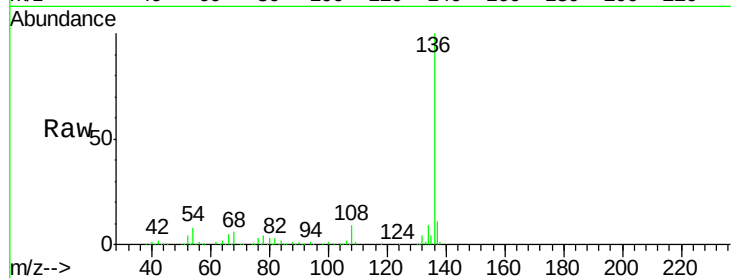
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 8.3 7.0 10.6

68 6.1 4.8 7.2

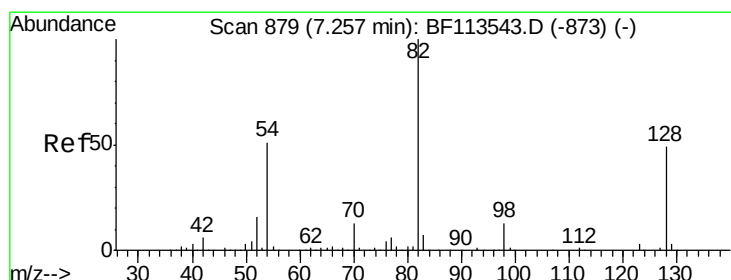
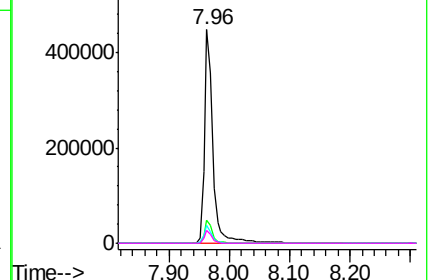
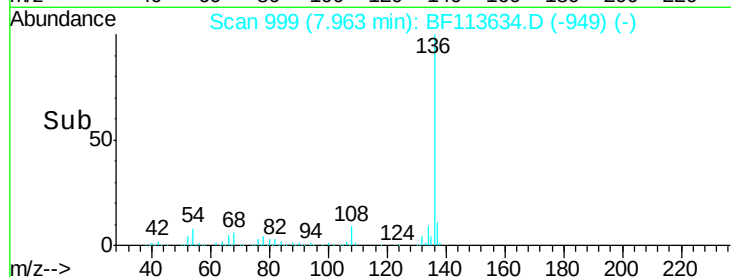


Abundance Ion 136.00 (135.70 to 136.70): E

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: 17.650 ng

RT: 7.25 min Scan# 877

Delta R.T. -0.01 min

Lab File: BF113634.D

Acq: 6 Apr 2019 00:13

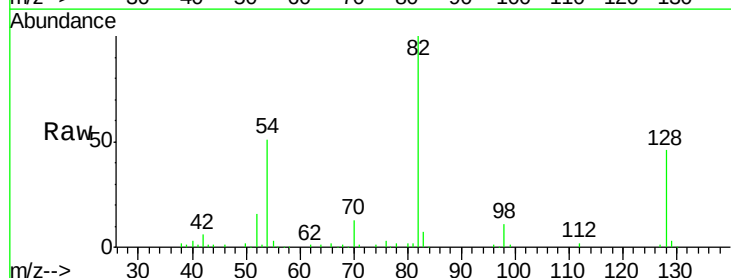
Tgt Ion: 82 Resp: 134224

Ion Ratio Lower Upper

82 100

128 45.7 36.5 54.7

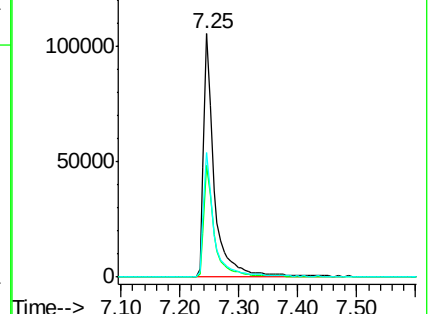
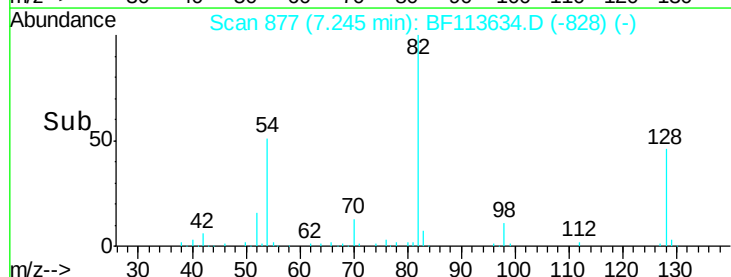
54 51.4 42.2 63.2

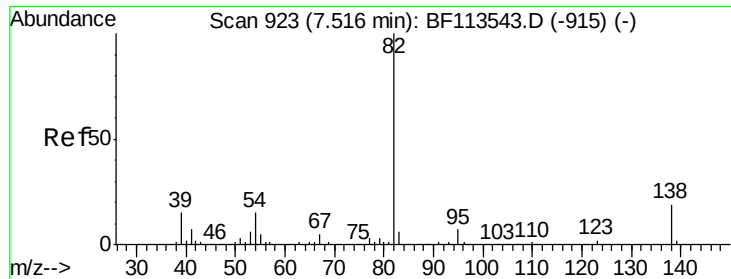


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 9.163 ng

RT: 7.25 min Scan# 877

Delta R.T. -0.27 min

Lab File: BF113634.D

Acq: 6 Apr 2019 00:13

Instrument :

BNA_F

ClientSampled :

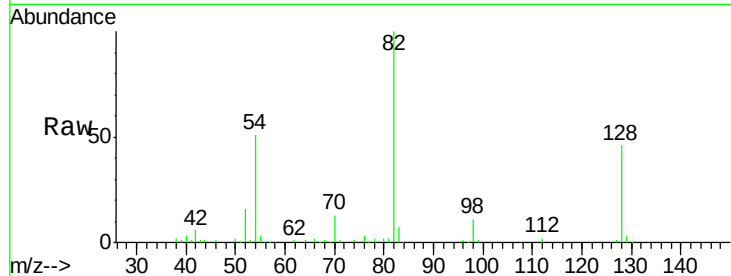
Tot Ion: 82 Resp: 134224

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

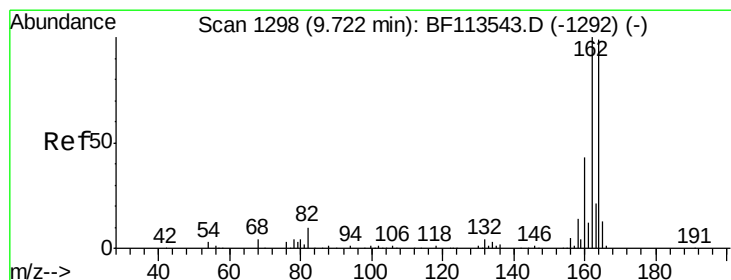
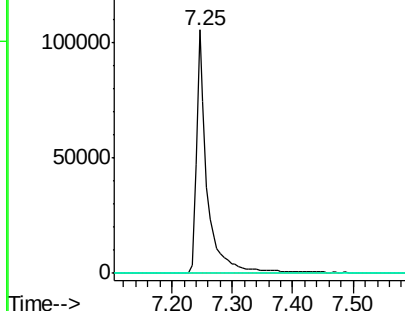
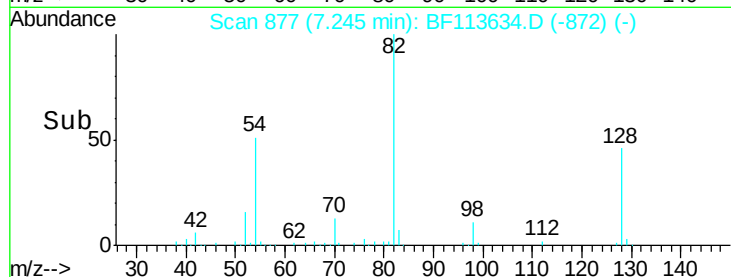
138 0.0 15.2 22.8#



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: 9.71 min Scan# 1296

Delta R.T. -0.01 min

Lab File: BF113634.D

Acq: 6 Apr 2019 00:13

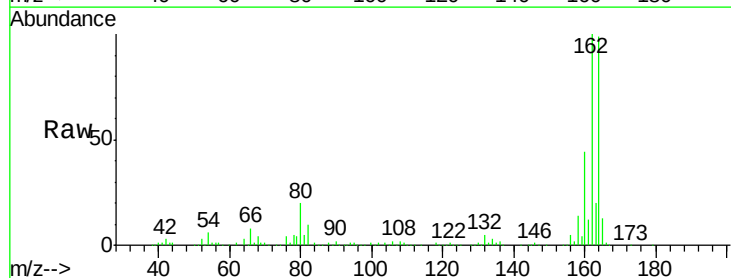
Tgt Ion:164 Resp: 203555

Ion Ratio Lower Upper

164 100

162 100.8 81.8 122.6

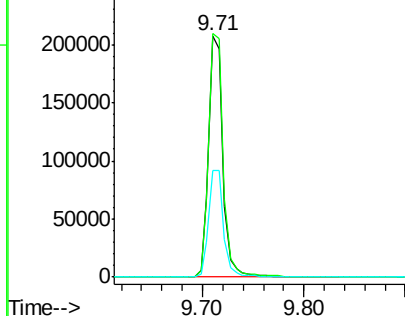
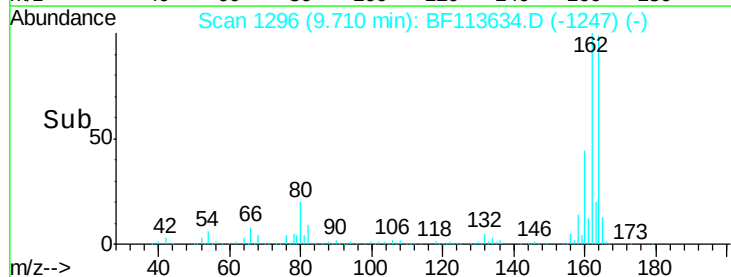
160 44.2 36.4 54.6

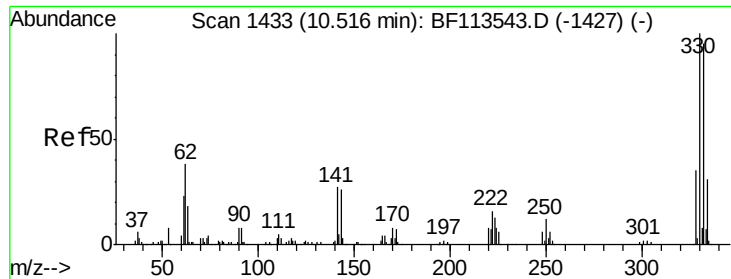


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 23.591 ng

RT: 10.50 min Scan# 1431

Delta R.T. -0.01 min

Lab File: BF113634.D

Acq: 6 Apr 2019 00:13

Instrument :

BNA_F

ClientSampleId :

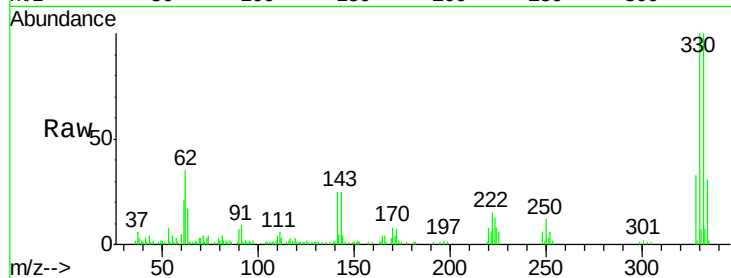
Tot Ion:330 Resp: 57685

Ion Ratio Lower Upper

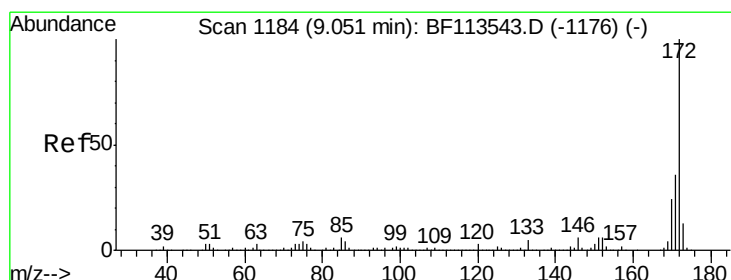
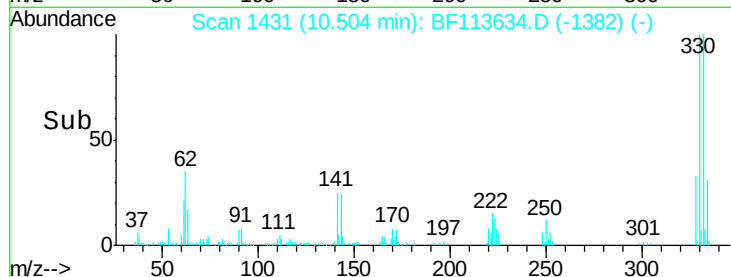
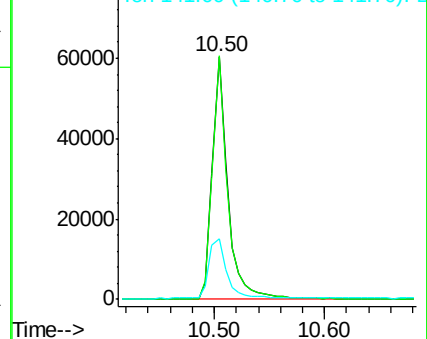
330 100

332 98.4 77.8 116.6

141 32.0 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: 22.794 ng

RT: 9.04 min Scan# 1182

Delta R.T. -0.01 min

Lab File: BF113634.D

Acq: 6 Apr 2019 00:13

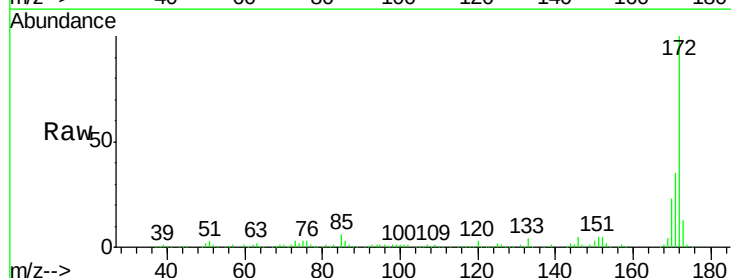
Tgt Ion:172 Resp: 288213

Ion Ratio Lower Upper

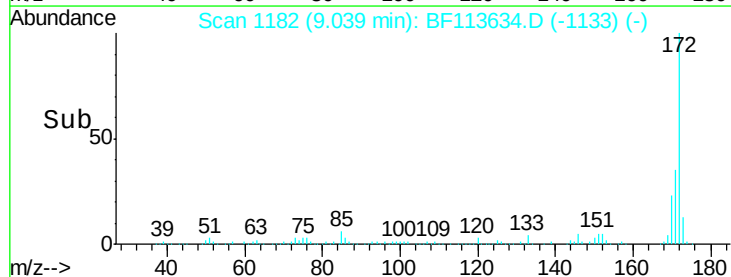
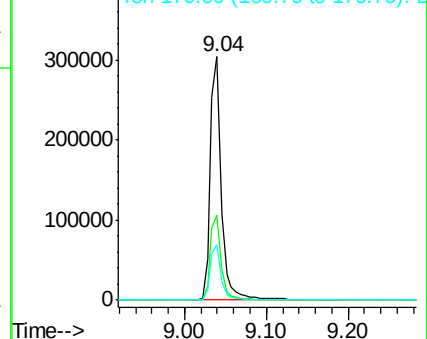
172 100

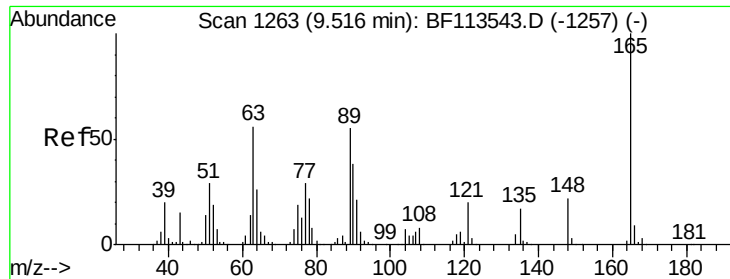
171 34.7 29.0 43.6

170 22.8 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





#51

2,6-Dinitrotoluene

Concen: 8.013 ng

RT: 9.71 min Scan# 1296

Delta R.T. 0.19 min

Lab File: BF113634.D

Acq: 6 Apr 2019 00:13

Instrument :

BNA_F

ClientSampleId :

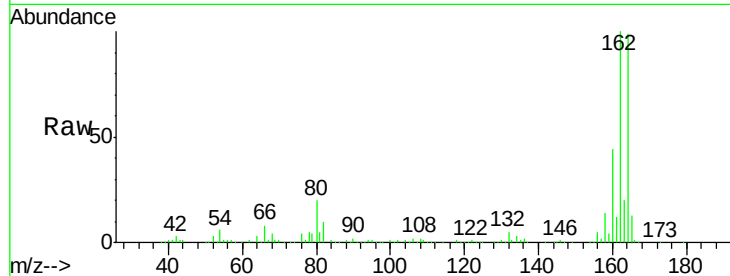
Tot Ion:165 Resp: 26502

Ion Ratio Lower Upper

165 100

63 0.0 43.4 65.0#

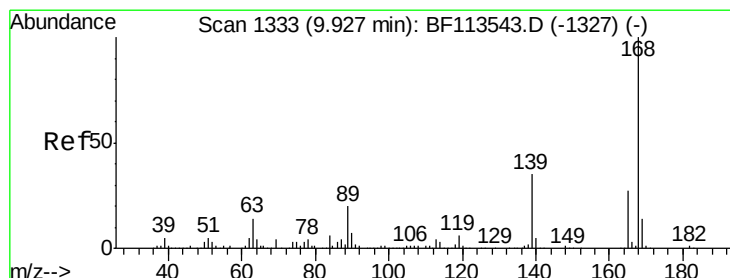
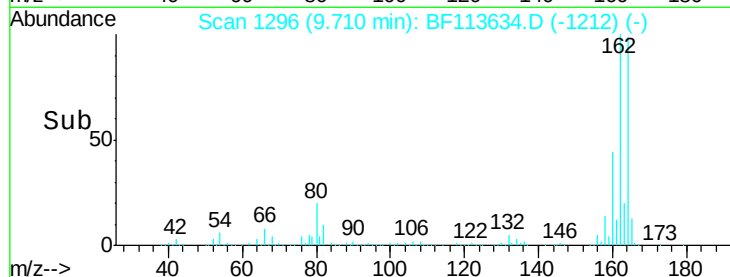
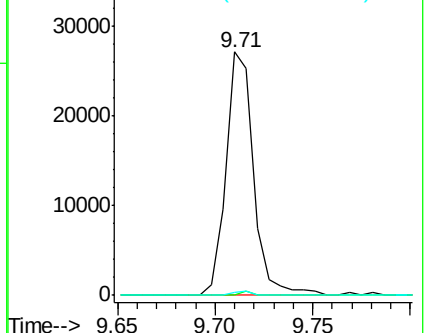
89 1.4 43.1 64.7#



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



#57

2,4-Dinitrotoluene

Concen: 6.625 ng

RT: 9.71 min Scan# 1296

Delta R.T. -0.22 min

Lab File: BF113634.D

Acq: 6 Apr 2019 00:13

Tgt Ion:165 Resp: 26502

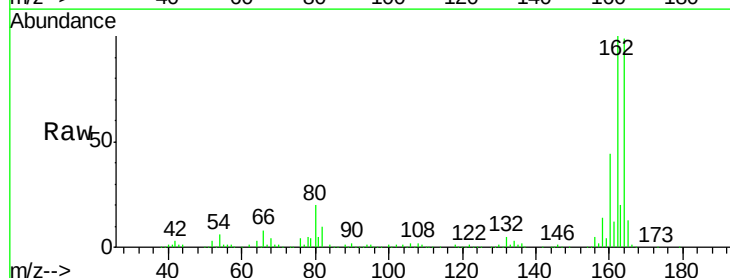
Ion Ratio Lower Upper

165 100

63 0.0 37.5 56.3#

89 1.4 57.4 86.2#

182 0.0 2.0 3.0#

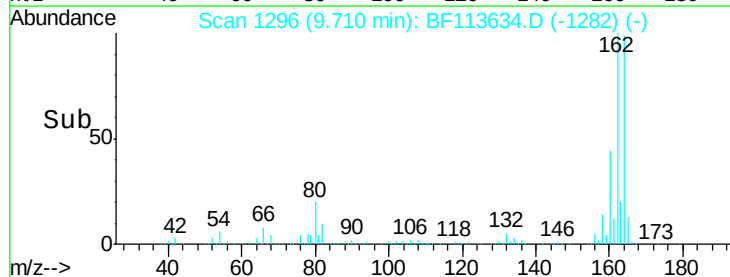
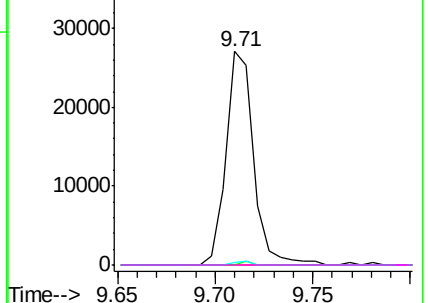


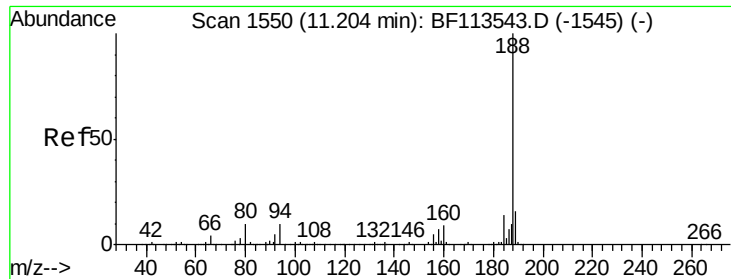
Abundance Ion 165.00 (164.70 to 165.70): E

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

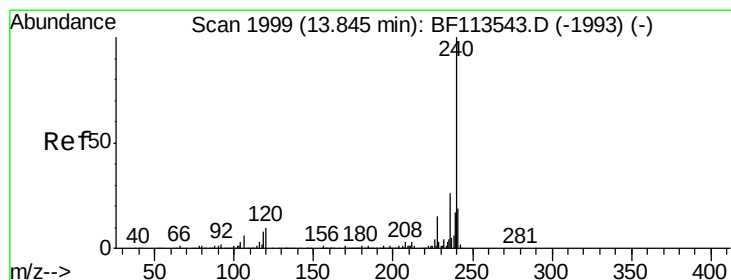
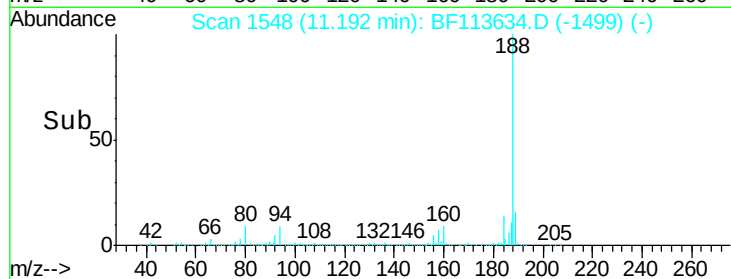
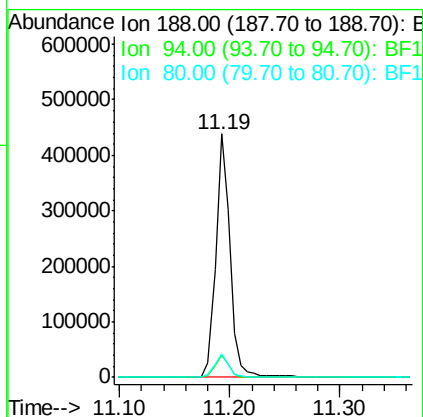
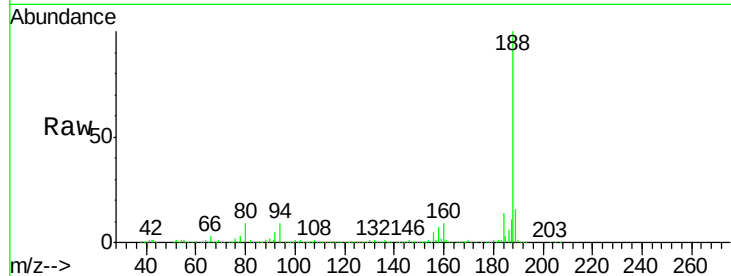




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.19 min Scan# 1548
Delta R.T. -0.01 min
Lab File: BF113634.D
Acq: 6 Apr 2019 00:13

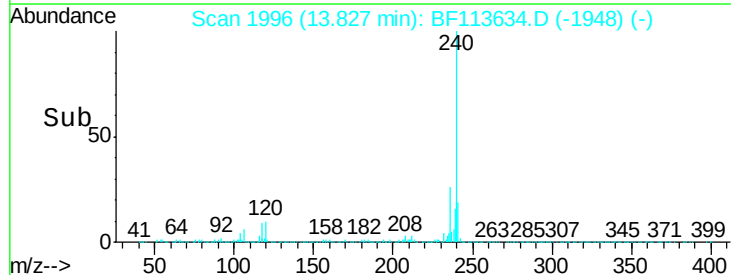
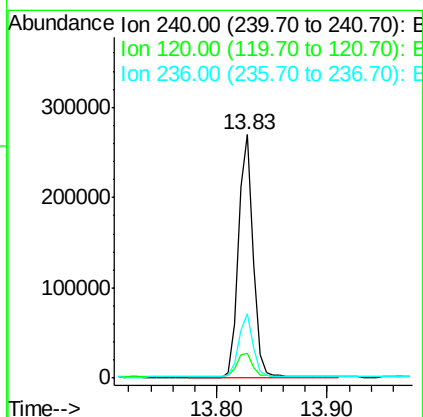
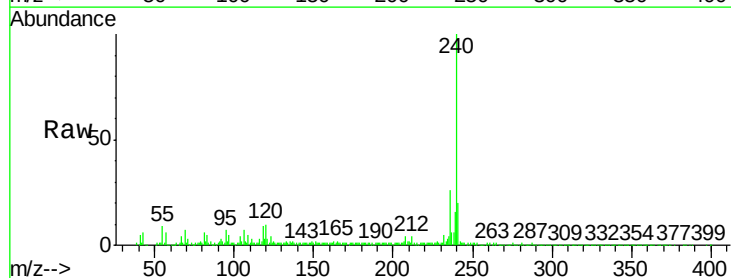
Instrument :
BNA_F
ClientSampleId :

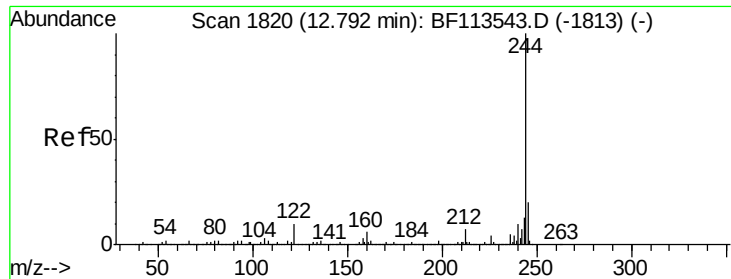
Tot Ion:188 Resp: 389201
Ion Ratio Lower Upper
188 100
94 9.1 7.0 10.6
80 9.5 7.7 11.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.83 min Scan# 1996
Delta R.T. -0.02 min
Lab File: BF113634.D
Acq: 6 Apr 2019 00:13

Tgt Ion:240 Resp: 251341
Ion Ratio Lower Upper
240 100
120 10.4 8.8 13.2
236 26.4 20.9 31.3





#79

Terphenyl-d14

Concen: 22.591 ng

RT: 12.77 min Scan# 1816

Delta R.T. -0.02 min

Lab File: BF113634.D

Acq: 6 Apr 2019 00:13

Instrument :

BNA_F

ClientSampleId :

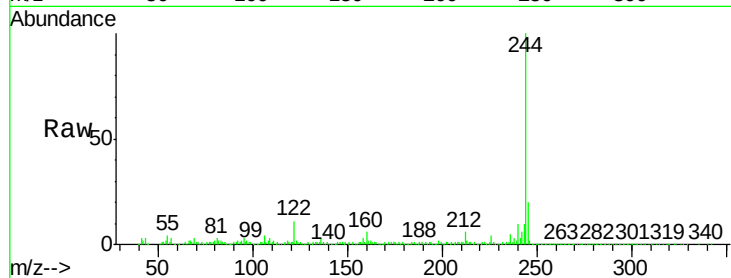
Tot Ion:244 Resp: 278877

Ion Ratio Lower Upper

244 100

212 6.5 5.5 8.3

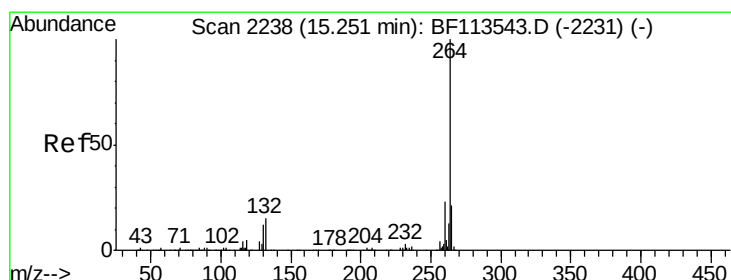
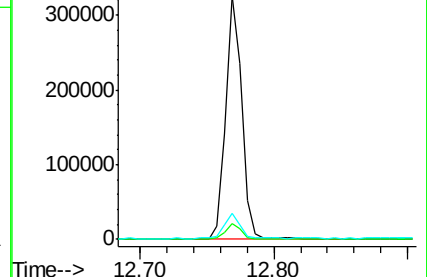
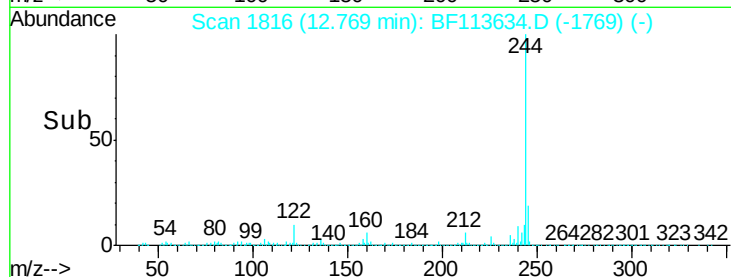
122 10.8 8.6 13.0



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.23 min Scan# 2235

Delta R.T. -0.02 min

Lab File: BF113634.D

Acq: 6 Apr 2019 00:13

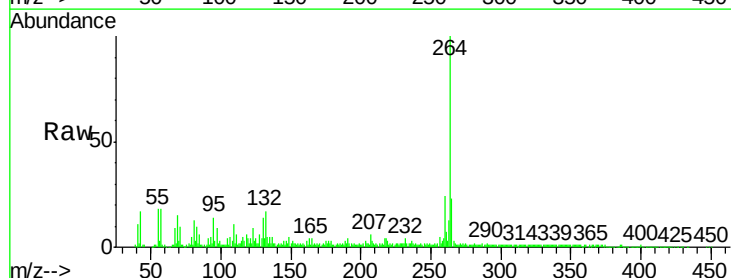
Tgt Ion:264 Resp: 188517

Ion Ratio Lower Upper

264 100

260 24.1 19.1 28.7

265 23.1 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

