

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032019\
 Data File : BF113164.D
 Acq On : 20 Mar 2019 11:53
 Operator : JU/SJ
 Sample : K1980-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 21 08:56:17 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 13 03:42:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	113086	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	447612	20.00	ng	-0.01
39) Acenaphthene-d10	9.75	164	257391	20.00	ng	-0.02
64) Phenanthrene-d10	11.23	188	556900	20.00	ng	-0.02
76) Chrysene-d12	13.86	240	510093	20.00	ng	-0.01
87) Perylene-d12	15.27	264	449870	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.34	112	910241	125.21	ng	0.00
7) Phenol-d6	6.37	99	1063207	116.42	ng	0.00
23) Nitrobenzene-d5	7.28	82	685423	91.63	ng	-0.02
42) 2,4,6-Tribromophenol	10.54	330	449751	164.59	ng	-0.01
45) 2-Fluorobiphenyl	9.08	172	1288560	82.23	ng	-0.01
79) Terphenyl-d14	12.82	244	1738692	66.08	ng	0.00

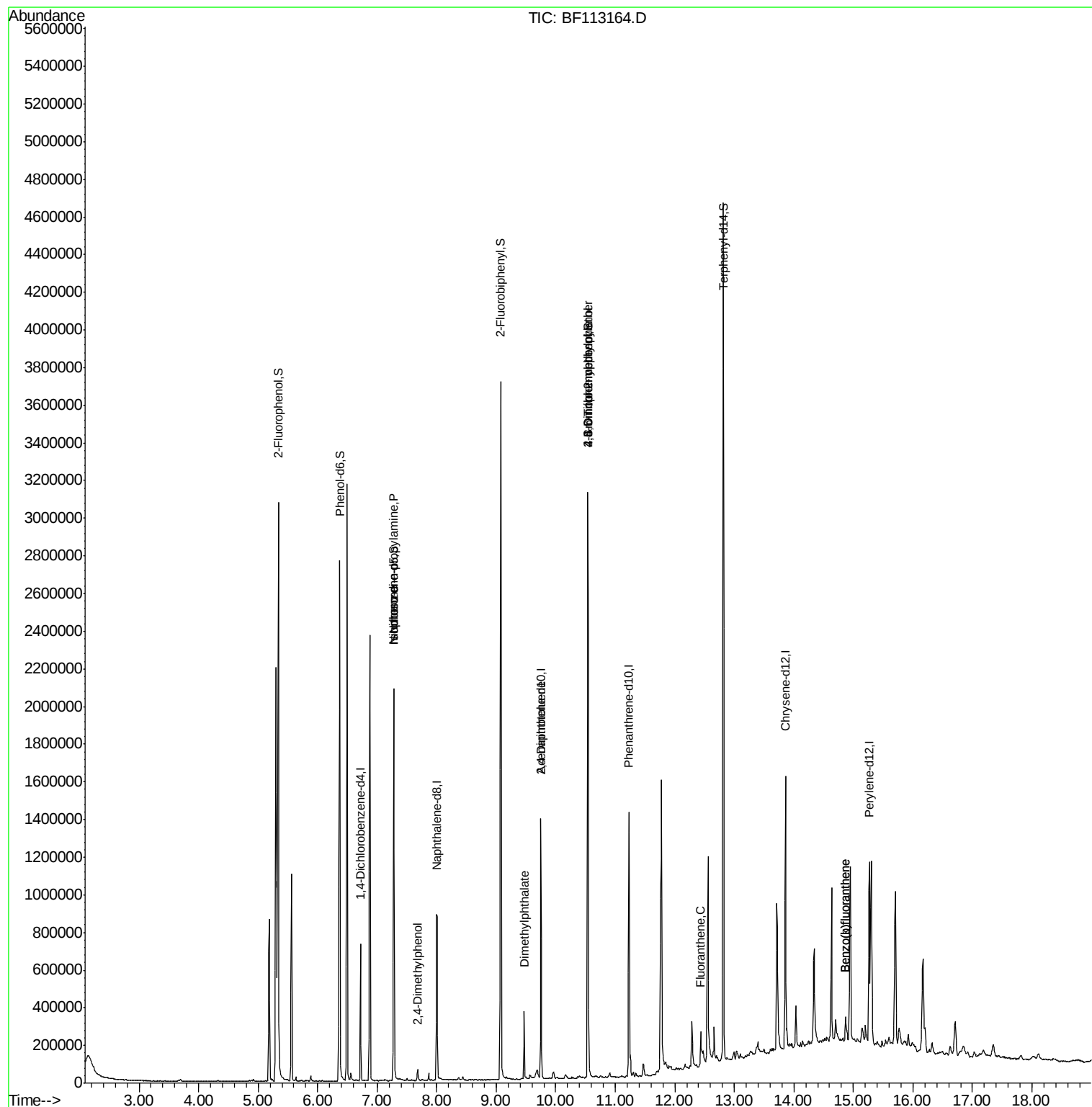
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.28	70	91994	15.906	ng	# 77
25) Isophorone	7.28	82	671918	41.694	ng	# 66
27) 2,4-Dimethylphenol	7.68	122	13577	2.106	ng	# 91
50) Dimethylphthalate	9.47	163	135370	7.133	ng	# 98
57) 2,4-Dinitrotoluene	9.75	165	32639	6.644	ng	# 18
65) 4,6-Dinitro-2-methylphenol	10.54	198	712	4.894	ng	# 1
67) 4-Bromophenyl-phenylether	10.54	248	26564	4.529	ng	# 1
75) Fluoranthene	12.44	202	69547	2.343	ng	95
88) Benzo(b)fluoranthene	14.87	252	76494	2.629	ng	99
89) Benzo(k)fluoranthene	14.87	252	76494	2.902	ng	98

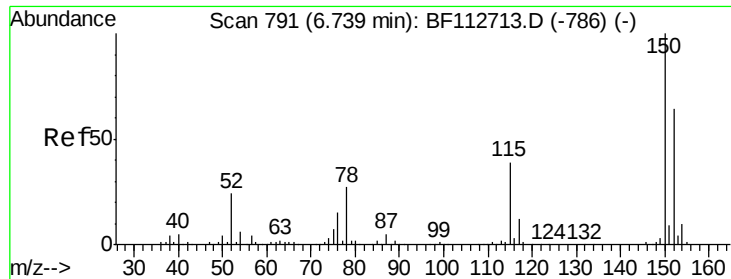
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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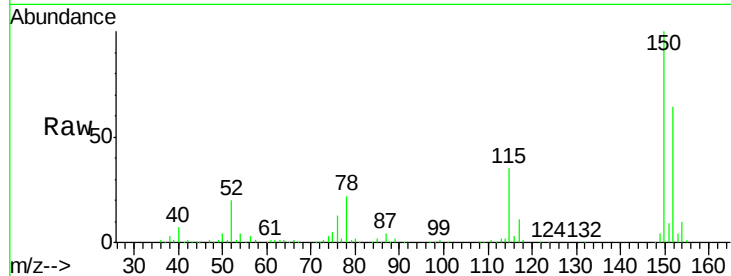


#1

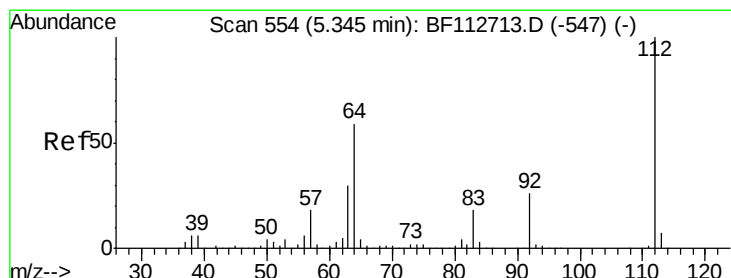
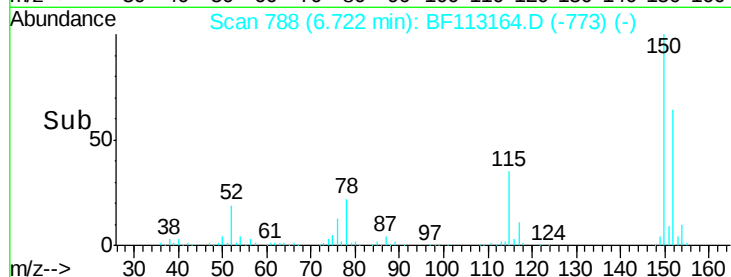
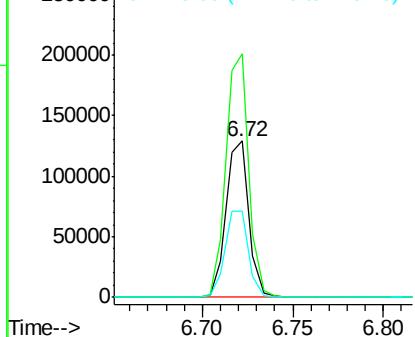
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF113164.D
Acq: 20 Mar 2019 11:53

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 113086
Ion Ratio Lower Upper
152 100
150 155.9 124.2 186.2
115 54.9 48.2 72.4



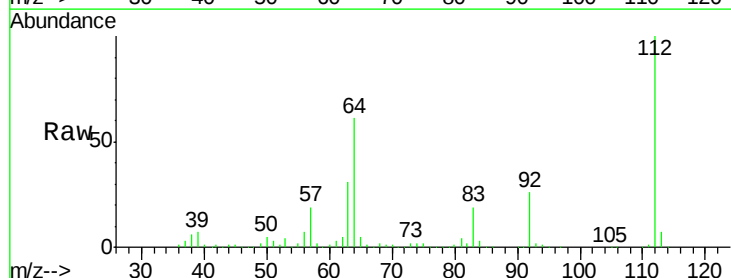
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



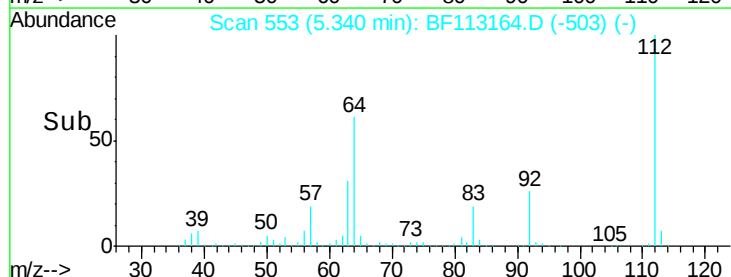
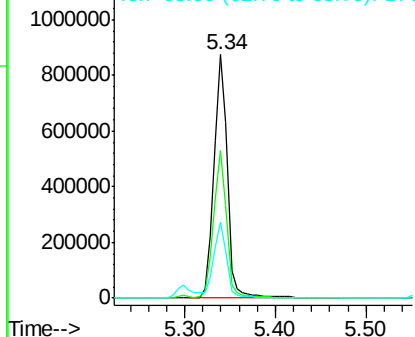
#5

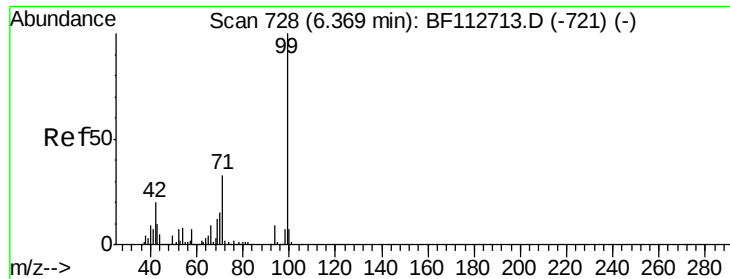
2-Fluorophenol
Concen: 125.207 ng
RT: 5.34 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF113164.D
Acq: 20 Mar 2019 11:53

Tgt Ion:112 Resp: 910241
Ion Ratio Lower Upper
112 100
64 60.8 47.6 71.4
63 31.4 24.4 36.6



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: 116.425 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF113164.D

Acq: 20 Mar 2019 11:53

Instrument :

BNA_F

ClientSampleId :

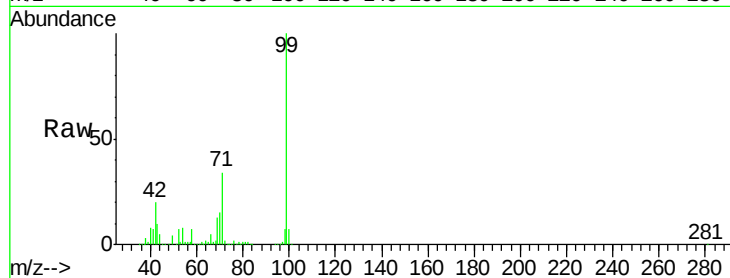
Tot Ion: 99 Resp: 1063207

Ion Ratio Lower Upper

99 100

42 20.2 16.3 24.5

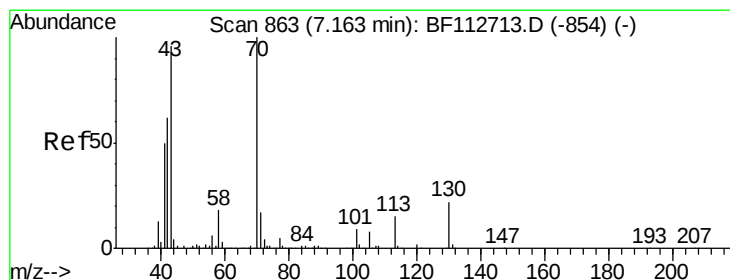
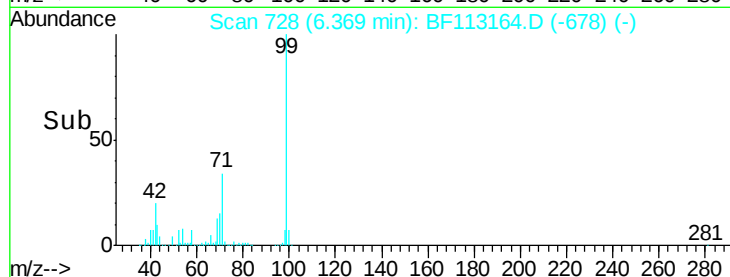
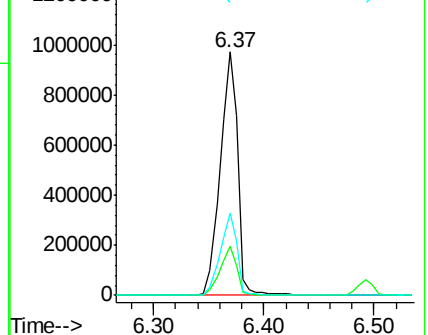
71 33.9 26.2 39.4



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: 15.906 ng

RT: 7.28 min Scan# 883

Delta R.T. 0.12 min

Lab File: BF113164.D

Acq: 20 Mar 2019 11:53

Tgt Ion: 70 Resp: 91994

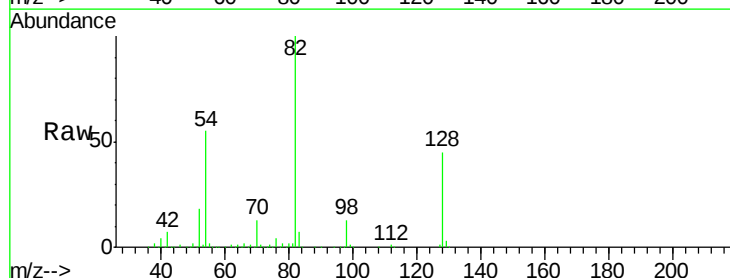
Ion Ratio Lower Upper

70 100

42 49.6 49.9 74.9#

101 0.0 7.4 11.2#

130 2.3 17.4 26.2#

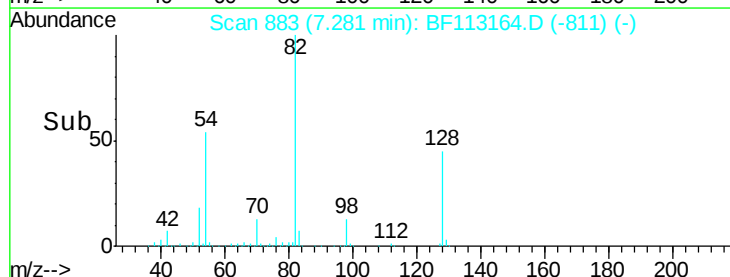
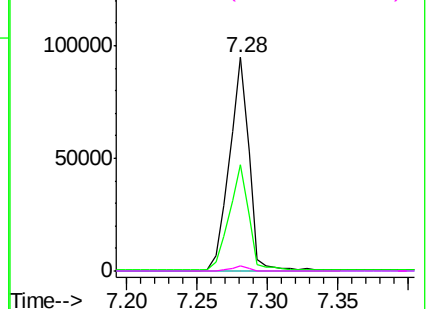


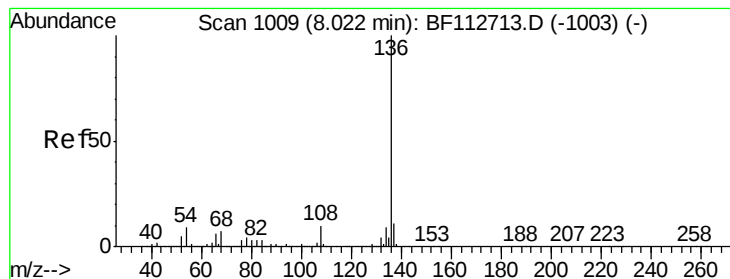
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1006

Delta R.T. -0.01 min

Lab File: BF113164.D

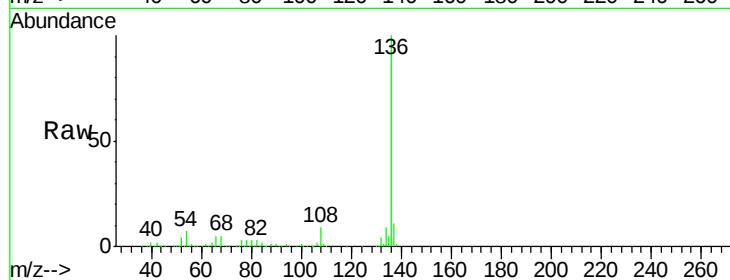
Acq: 20 Mar 2019 11:53

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136	Resp:	447612
Ion Ratio	Lower	Upper
136	100	
137	10.9	8.9 13.3
54	7.4	7.3 10.9
68	5.4	5.4 8.2#

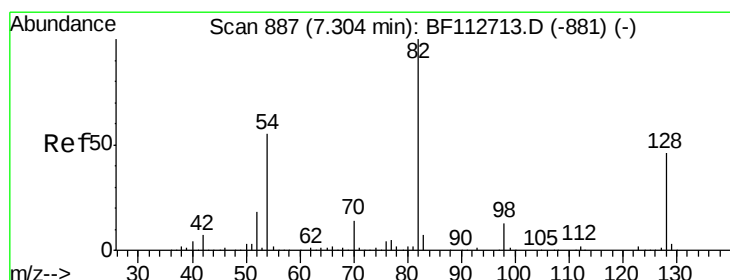
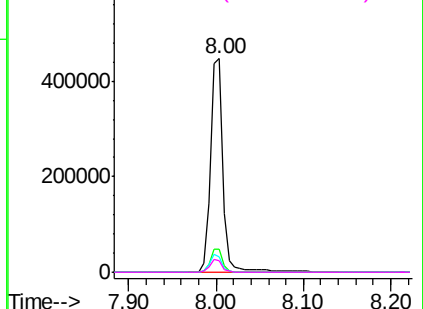
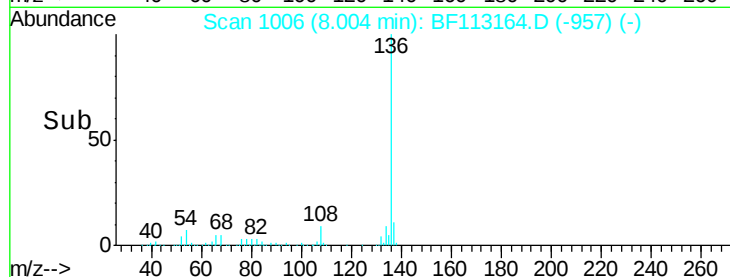


Abundance Ion 136.00 (135.70 to 136.70): E

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: 91.629 ng

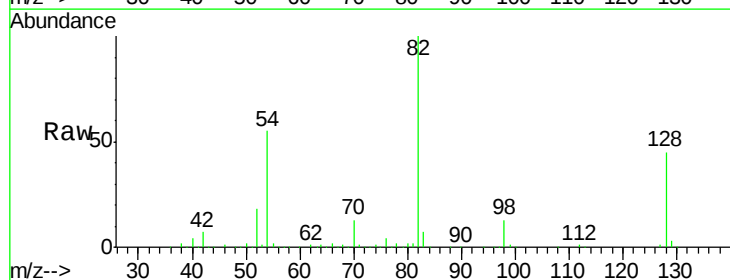
RT: 7.28 min Scan# 883

Delta R.T. -0.02 min

Lab File: BF113164.D

Acq: 20 Mar 2019 11:53

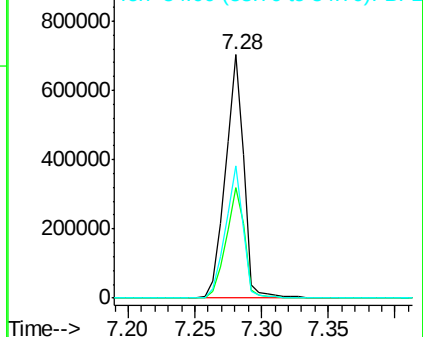
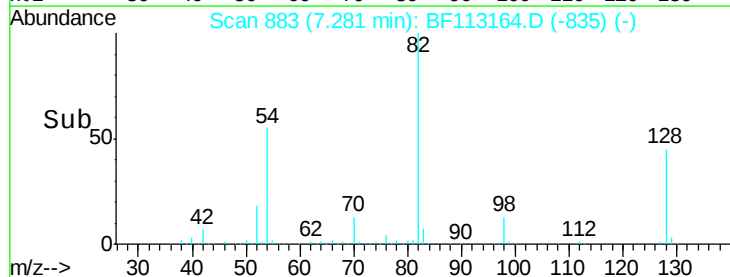
Tgt Ion: 82	Resp:	685423
Ion Ratio	Lower	Upper
82	100	
128	45.5	36.3 54.5
54	54.5	43.7 65.5

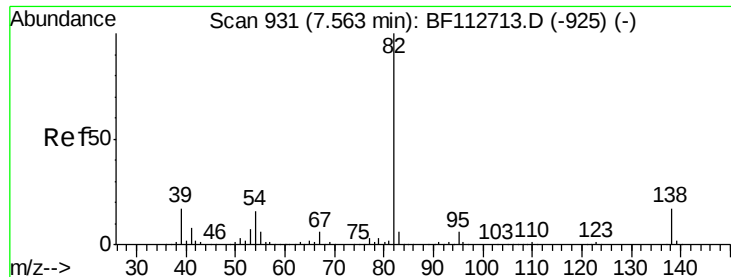


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 41.694 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.28 min

Lab File: BF113164.D

Acq: 20 Mar 2019 11:53

Instrument :

BNA_F

ClientSampleId :

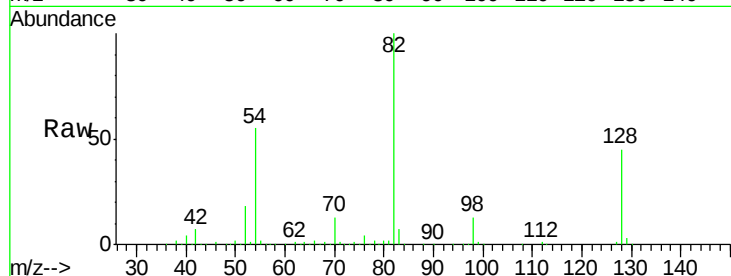
Tot Ion: 82 Resp: 671918

Ion Ratio Lower Upper

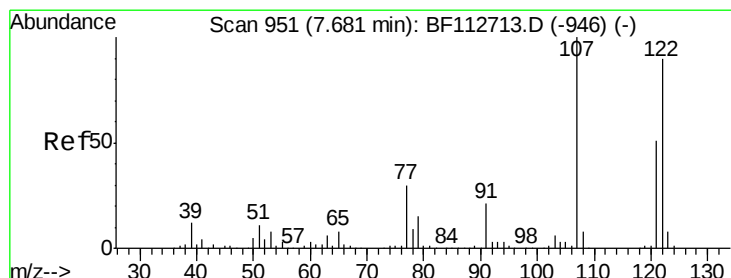
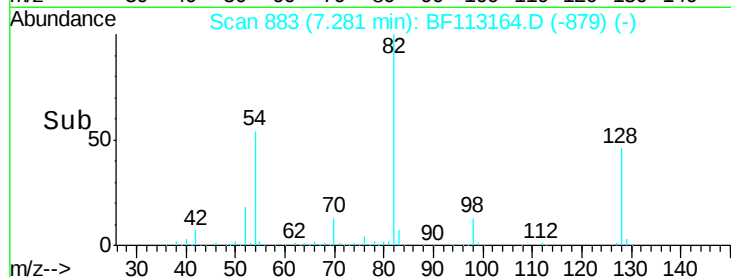
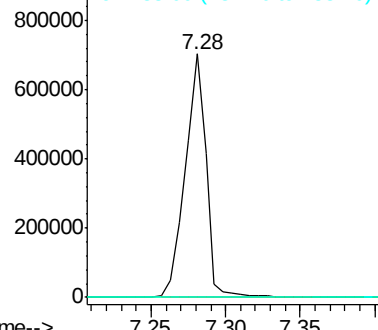
82 100

95 0.0 5.2 7.8#

138 0.0 13.8 20.8#



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



#27

2,4-Dimethylphenol

Concen: 2.106 ng

RT: 7.68 min Scan# 951

Delta R.T. 0.01 min

Lab File: BF113164.D

Acq: 20 Mar 2019 11:53

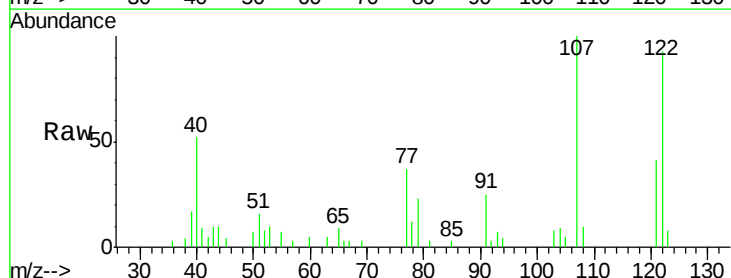
Tgt Ion: 122 Resp: 13577

Ion Ratio Lower Upper

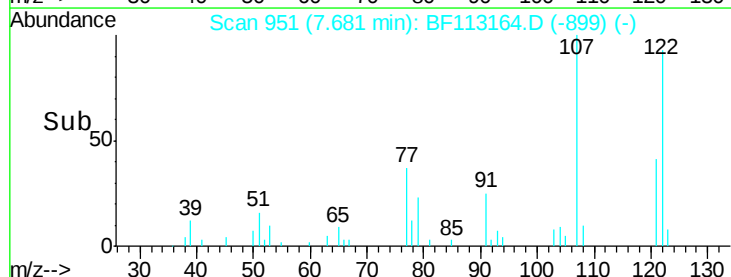
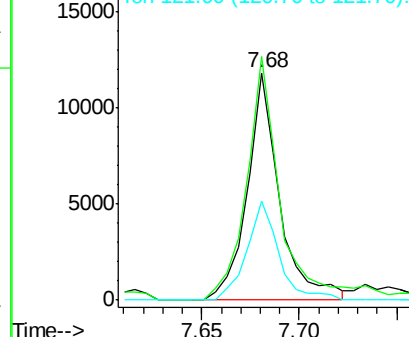
122 100

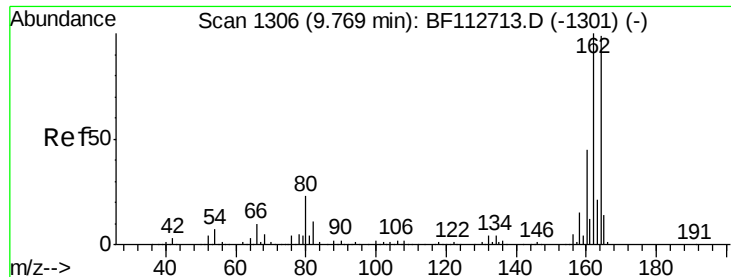
107 107.2 89.4 134.0

121 43.7 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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.02 min

Lab File: BF113164.D

Acq: 20 Mar 2019 11:53

Instrument :

BNA_F

ClientSampleId :

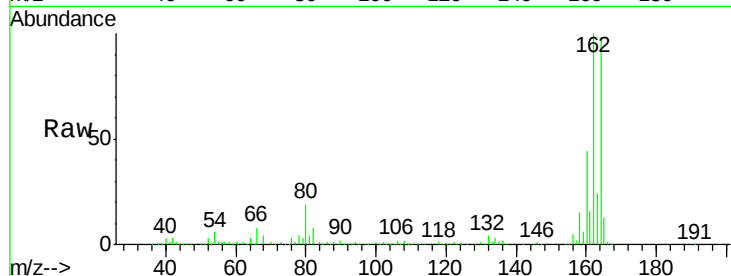
Tot Ion:164 Resp: 257391

Ion Ratio Lower Upper

164 100

162 101.8 80.6 120.8

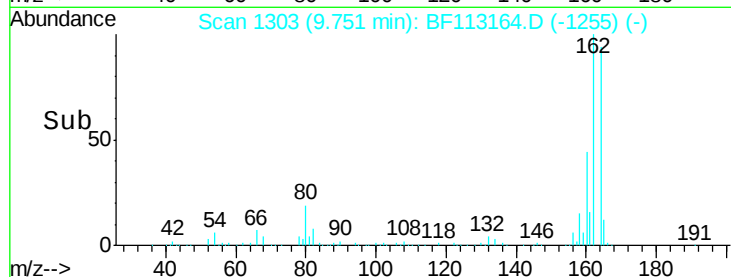
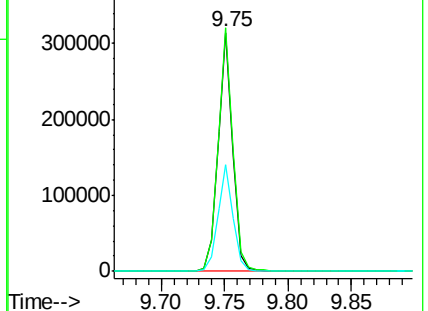
160 44.7 36.0 54.0



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: 164.592 ng

RT: 10.54 min Scan# 1437

Delta R.T. -0.01 min

Lab File: BF113164.D

Acq: 20 Mar 2019 11:53

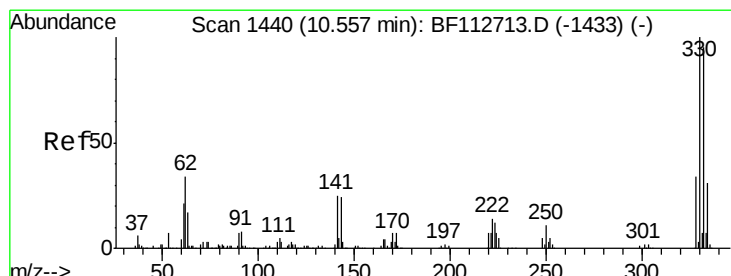
Tgt Ion:330 Resp: 449751

Ion Ratio Lower Upper

330 100

332 94.7 76.2 114.4

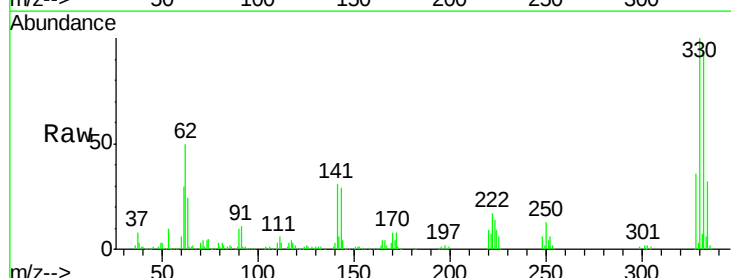
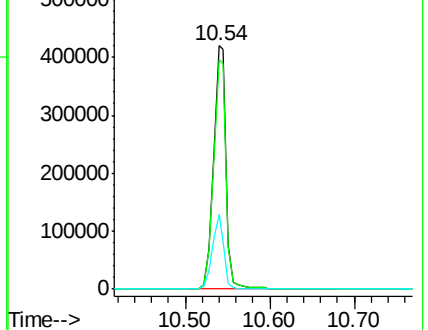
141 28.4 27.0 40.6

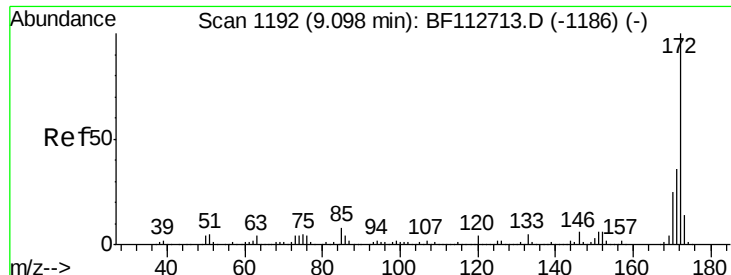


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

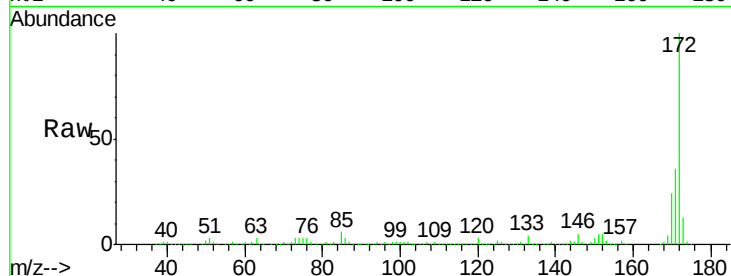




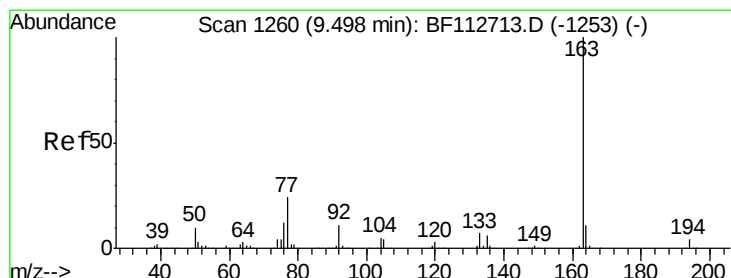
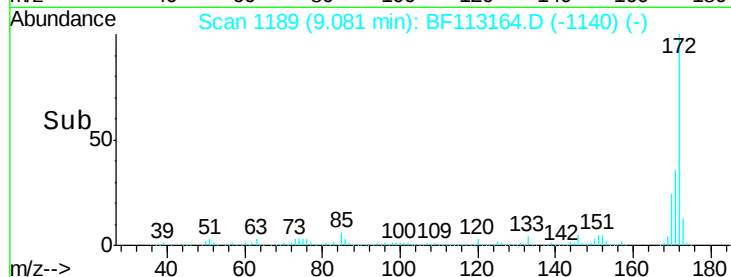
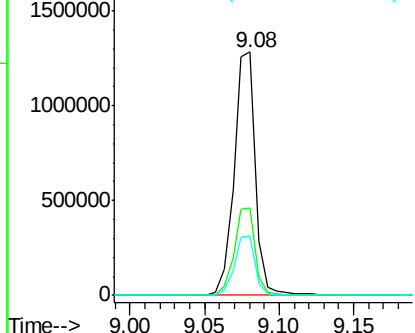
#45
2-Fluorobiphenyl
Concen: 82.234 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF113164.D
Acq: 20 Mar 2019 11:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1288560
Ion Ratio Lower Upper
172 100
171 36.0 29.0 43.4
170 24.3 20.0 30.0

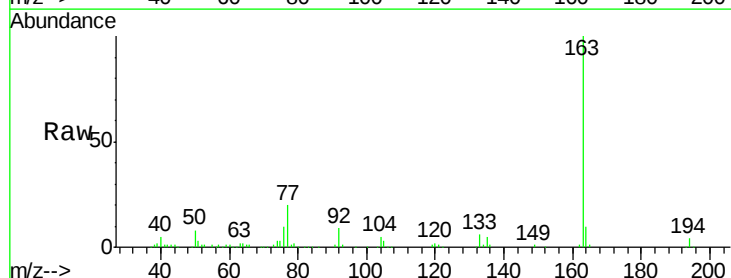


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

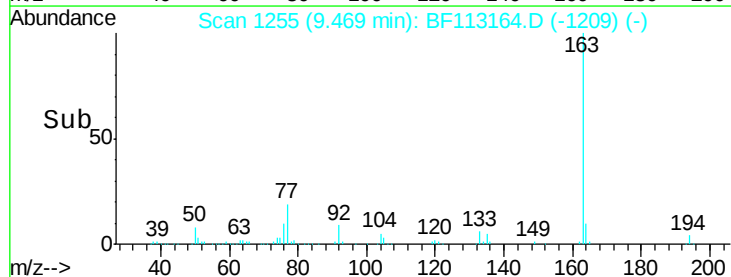
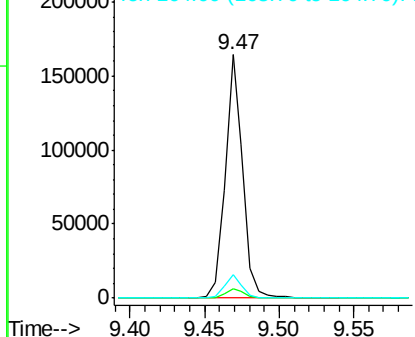


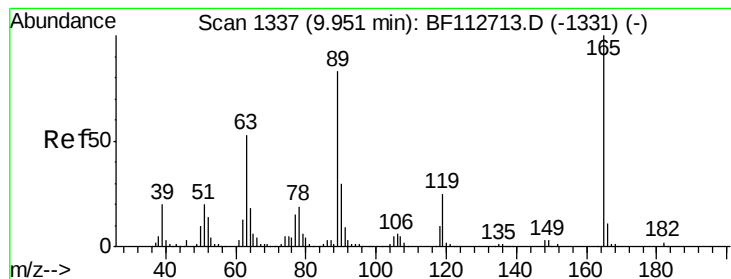
#50
Dimethylphthalate
Concen: 7.133 ng
RT: 9.47 min Scan# 1255
Delta R.T. -0.03 min
Lab File: BF113164.D
Acq: 20 Mar 2019 11:53

Tgt Ion:163 Resp: 135370
Ion Ratio Lower Upper
163 100
194 4.0 3.0 4.4
164 9.7 8.4 12.6



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: 6.644 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.21 min

Lab File: BF113164.D

Acq: 20 Mar 2019 11:53

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 32639

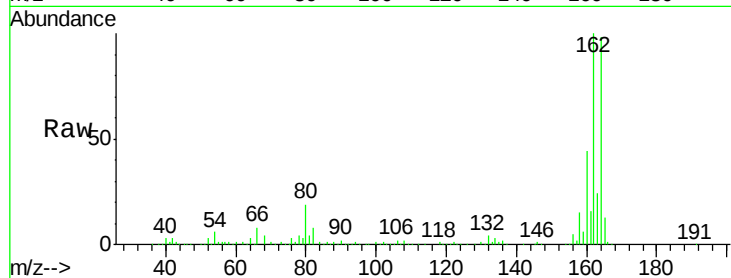
Ion Ratio Lower Upper

165 100

63 1.7 42.2 63.2#

89 1.7 66.2 99.4#

182 0.0 1.8 2.6#

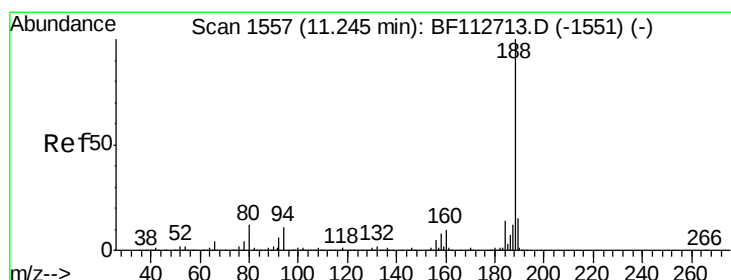
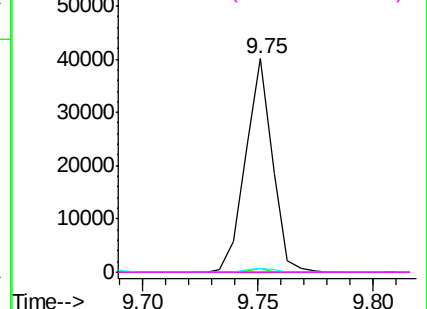
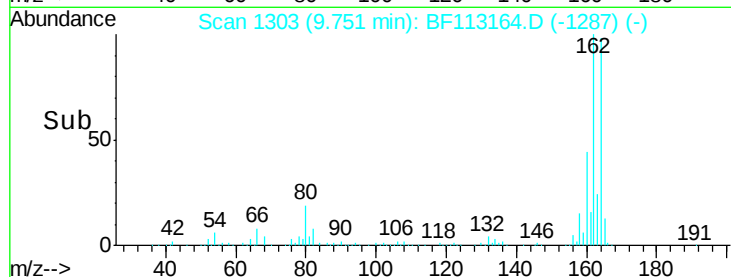


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.23 min Scan# 1554

Delta R.T. -0.02 min

Lab File: BF113164.D

Acq: 20 Mar 2019 11:53

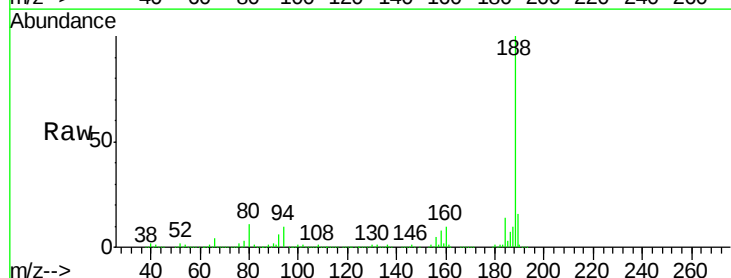
Tgt Ion:188 Resp: 556900

Ion Ratio Lower Upper

188 100

94 10.1 9.0 13.4

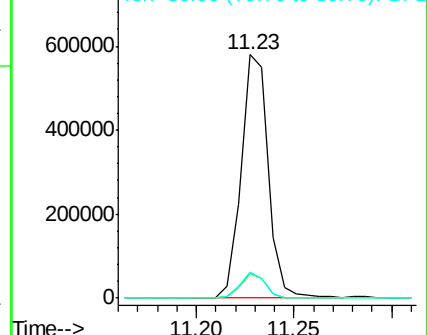
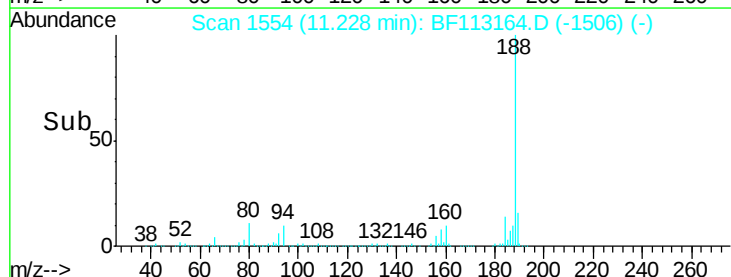
80 10.6 9.2 13.8

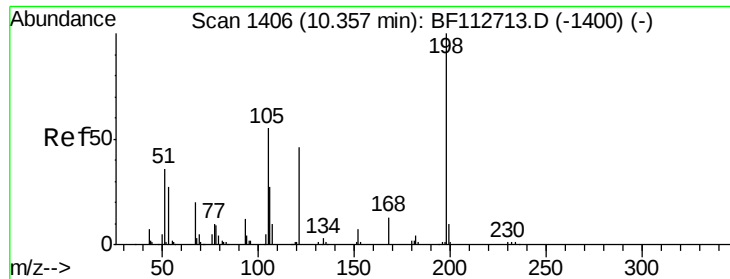


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

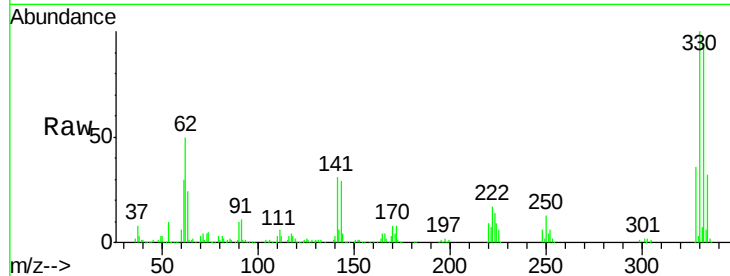




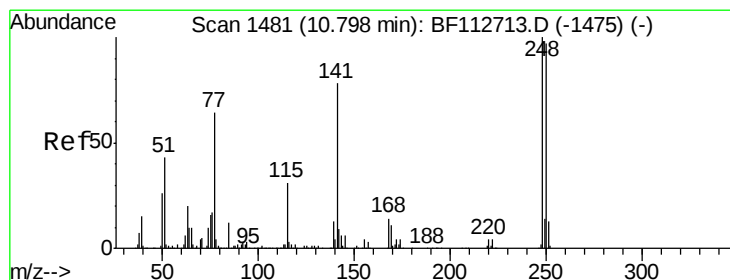
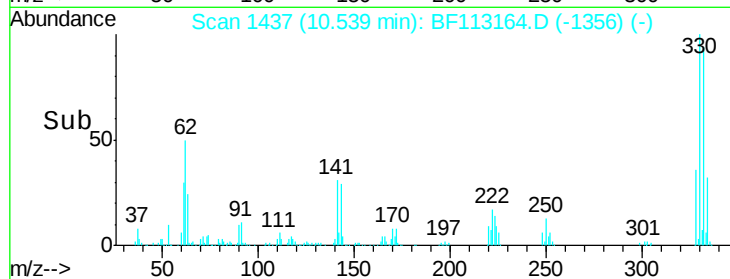
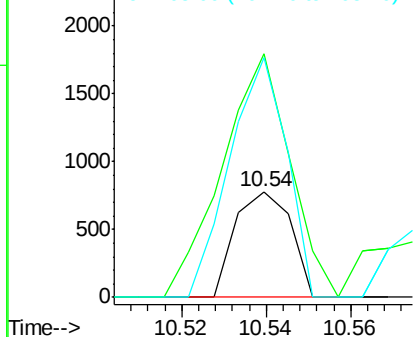
#65
4,6-Dinitro-2-methylphenol
Concen: 4.894 ng
RT: 10.54 min Scan# 1437
Delta R.T. 0.18 min
Lab File: BF113164.D
Acq: 20 Mar 2019 11:53

Instrument :
BNA_F
ClientSampled :

Tot Ion:198 Resp: 712
Ion Ratio Lower Upper
198 100
51 230.6 43.8 83.8#
105 226.4 36.5 76.5#

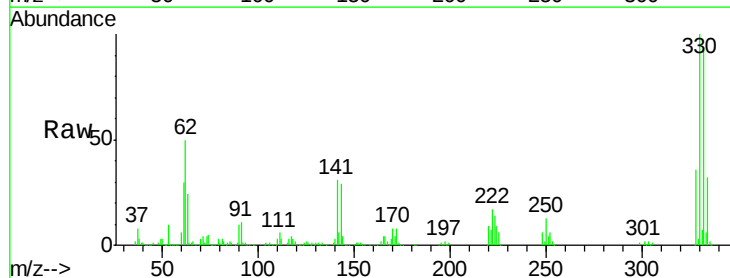


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

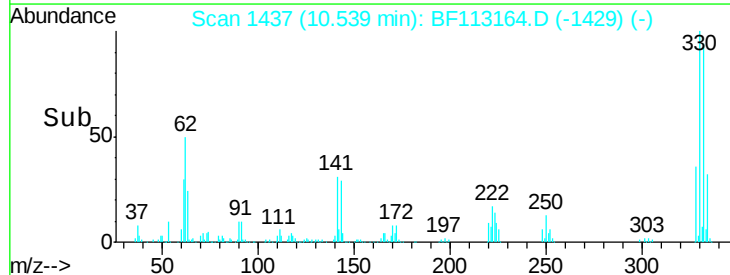
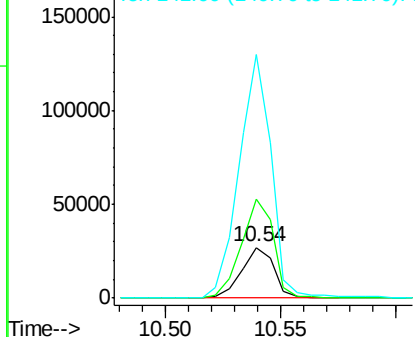


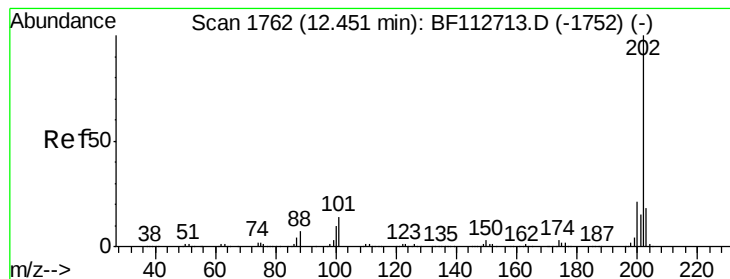
#67
4-Bromophenyl-phenylether
Concen: 4.529 ng
RT: 10.54 min Scan# 1437
Delta R.T. -0.25 min
Lab File: BF113164.D
Acq: 20 Mar 2019 11:53

Tgt Ion:248 Resp: 26564
Ion Ratio Lower Upper
248 100
250 195.2 77.5 116.3#
141 482.3 62.4 93.6#



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





#75

Fluoranthene

Concen: 2.343 ng

RT: 12.44 min Scan# 1760

Delta R.T. -0.01 min

Lab File: BF113164.D

Acq: 20 Mar 2019 11:53

Instrument :

BNA_F

ClientSampled :

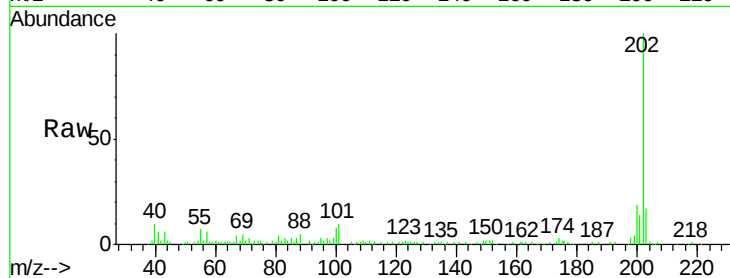
Tot Ion:202 Resp: 69547

Ion Ratio Lower Upper

202 100

101 10.5 0.0 33.8

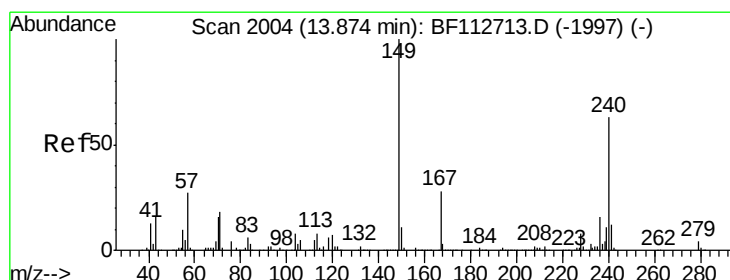
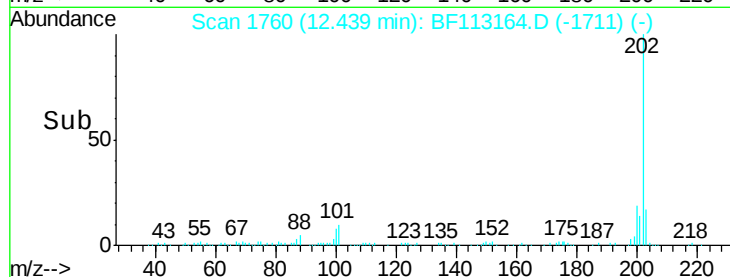
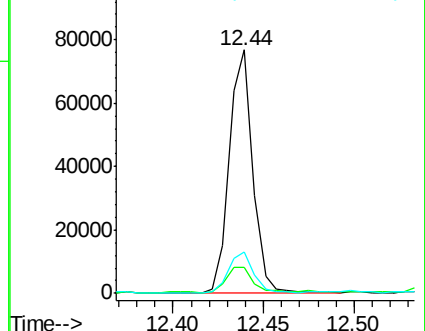
203 17.1 0.0 38.4



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.86 min Scan# 2001

Delta R.T. -0.01 min

Lab File: BF113164.D

Acq: 20 Mar 2019 11:53

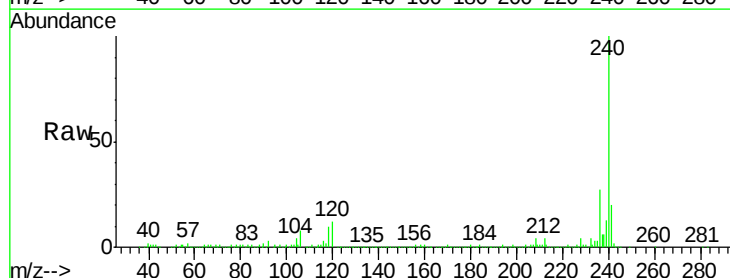
Tgt Ion:240 Resp: 510093

Ion Ratio Lower Upper

240 100

120 11.8 8.9 13.3

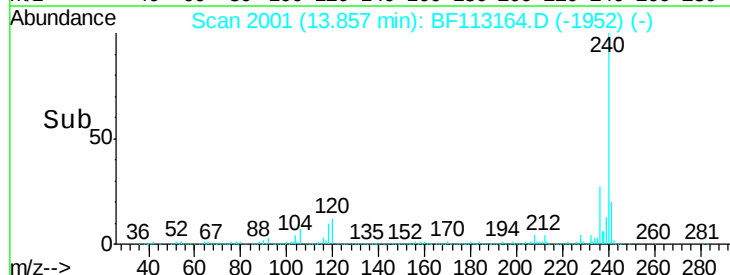
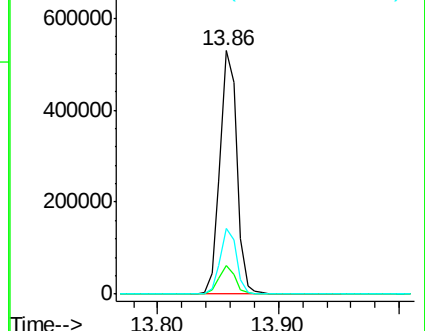
236 26.8 20.7 31.1

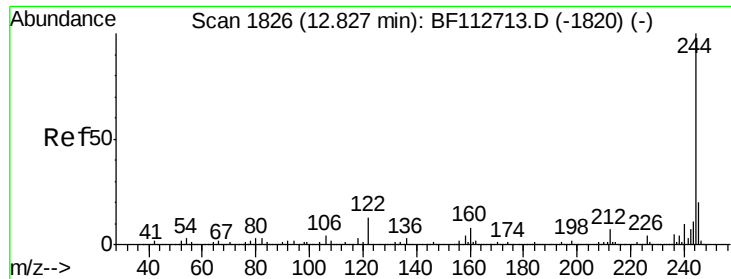


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

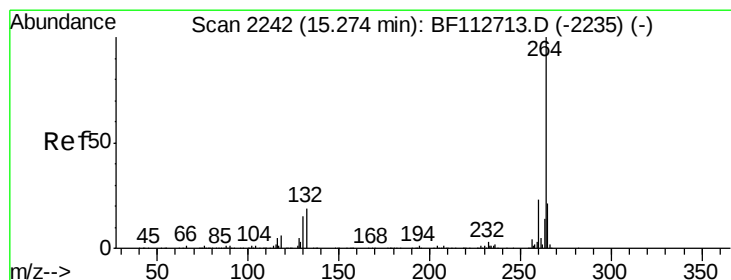
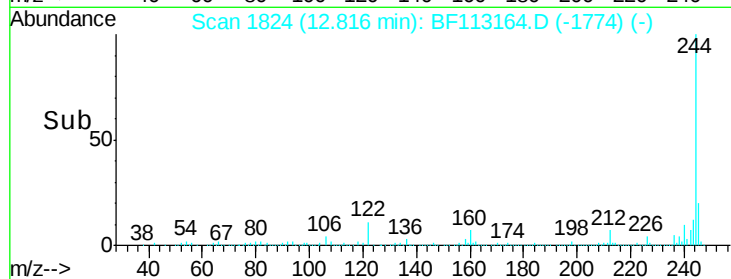
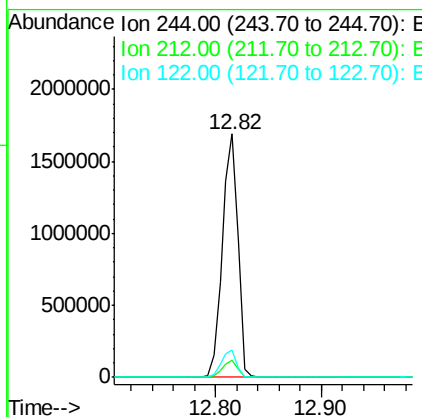
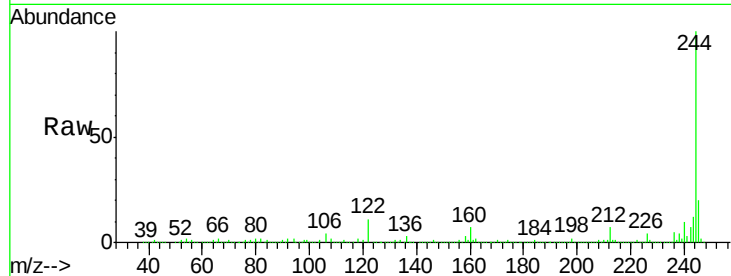




#79
 Terphenyl-d14
 Concen: 66.075 ng
 RT: 12.82 min Scan# 1824
 Delta R.T. -0.01 min
 Lab File: BF113164.D
 Acq: 20 Mar 2019 11:53

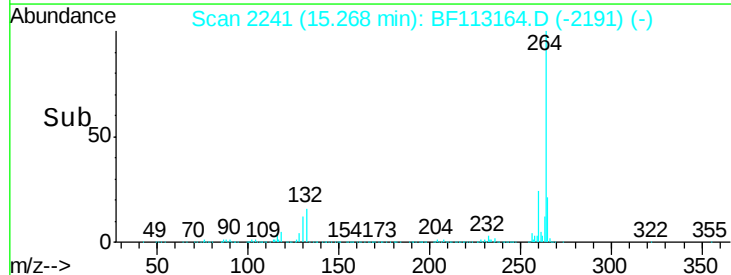
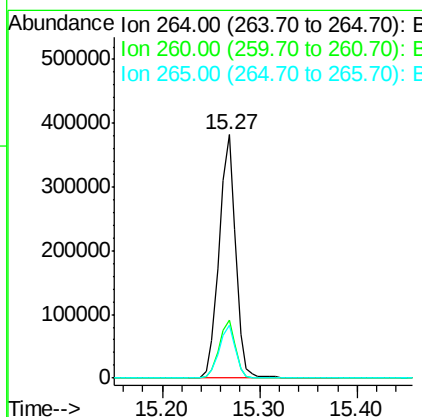
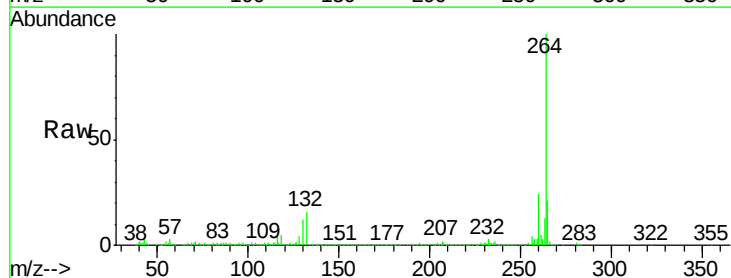
Instrument :
 BNA_F
 ClientSampleId :

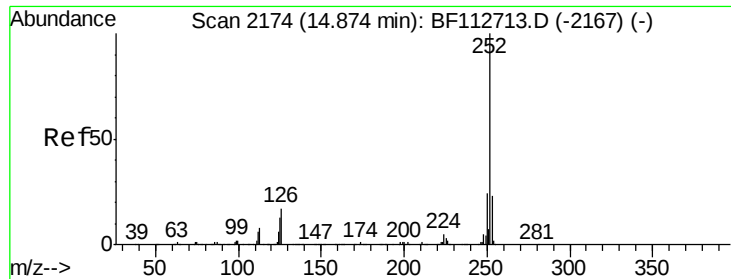
Tot Ion:244 Resp: 1738692
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.6 8.4
 122 11.3 10.5 15.7



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.27 min Scan# 2241
 Delta R.T. -0.01 min
 Lab File: BF113164.D
 Acq: 20 Mar 2019 11:53

Tgt Ion:264 Resp: 449870
 Ion Ratio Lower Upper
 264 100
 260 23.7 18.7 28.1
 265 21.5 17.2 25.8





#88

Benzo(b)fluoranthene

Concen: 2.629 ng

RT: 14.87 min Scan# 2173

Delta R.T. -0.01 min

Lab File: BF113164.D

Acq: 20 Mar 2019 11:53

Instrument :

BNA_F

ClientSampleId :

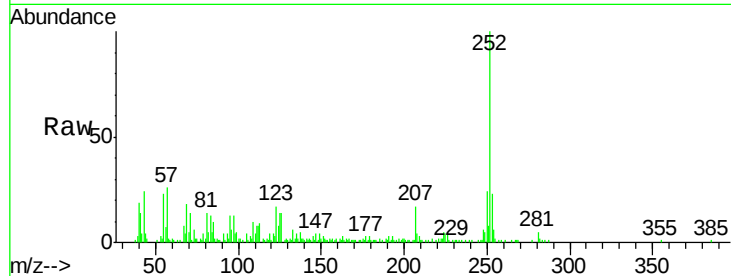
Tot Ion:252 Resp: 76494

Ion Ratio Lower Upper

252 100

253 22.9 18.0 27.0

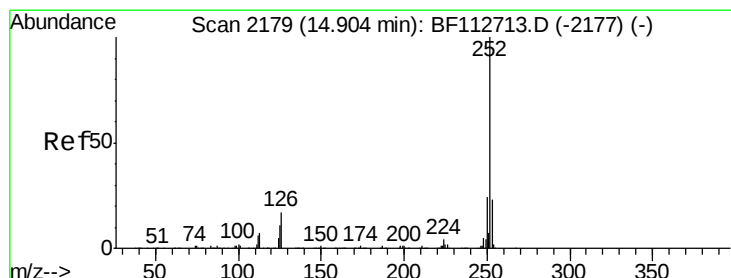
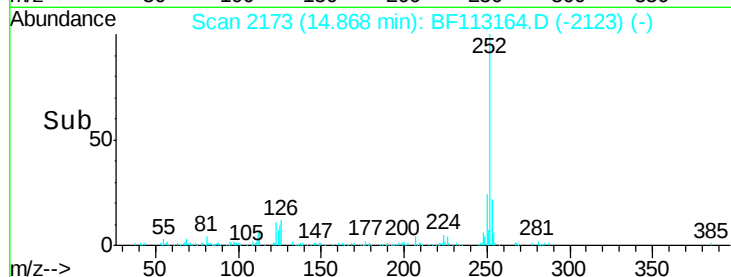
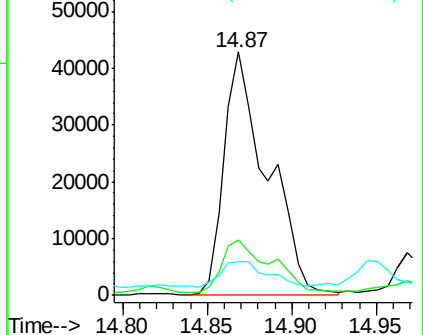
125 13.7 10.2 15.2



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(k)fluoranthene

Concen: 2.902 ng

RT: 14.87 min Scan# 2173

Delta R.T. -0.04 min

Lab File: BF113164.D

Acq: 20 Mar 2019 11:53

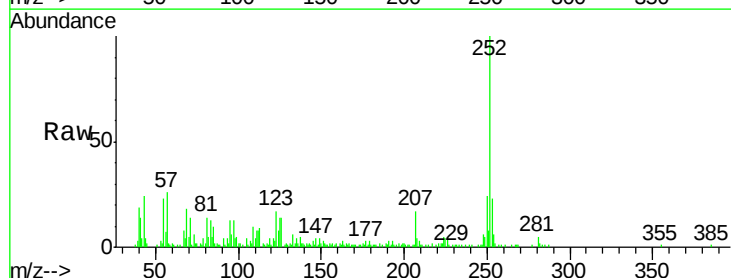
Tgt Ion:252 Resp: 76494

Ion Ratio Lower Upper

252 100

253 22.9 18.2 27.2

125 13.7 9.8 14.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

