

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051218\
 Data File : BF105340.D
 Acq On : 12 May 2018 16:29
 Operator : JU/SJ
 Sample : J2859-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 14 06:50:32 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF051018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 11 17:15:19 2018
 Response via : Initial Calibration

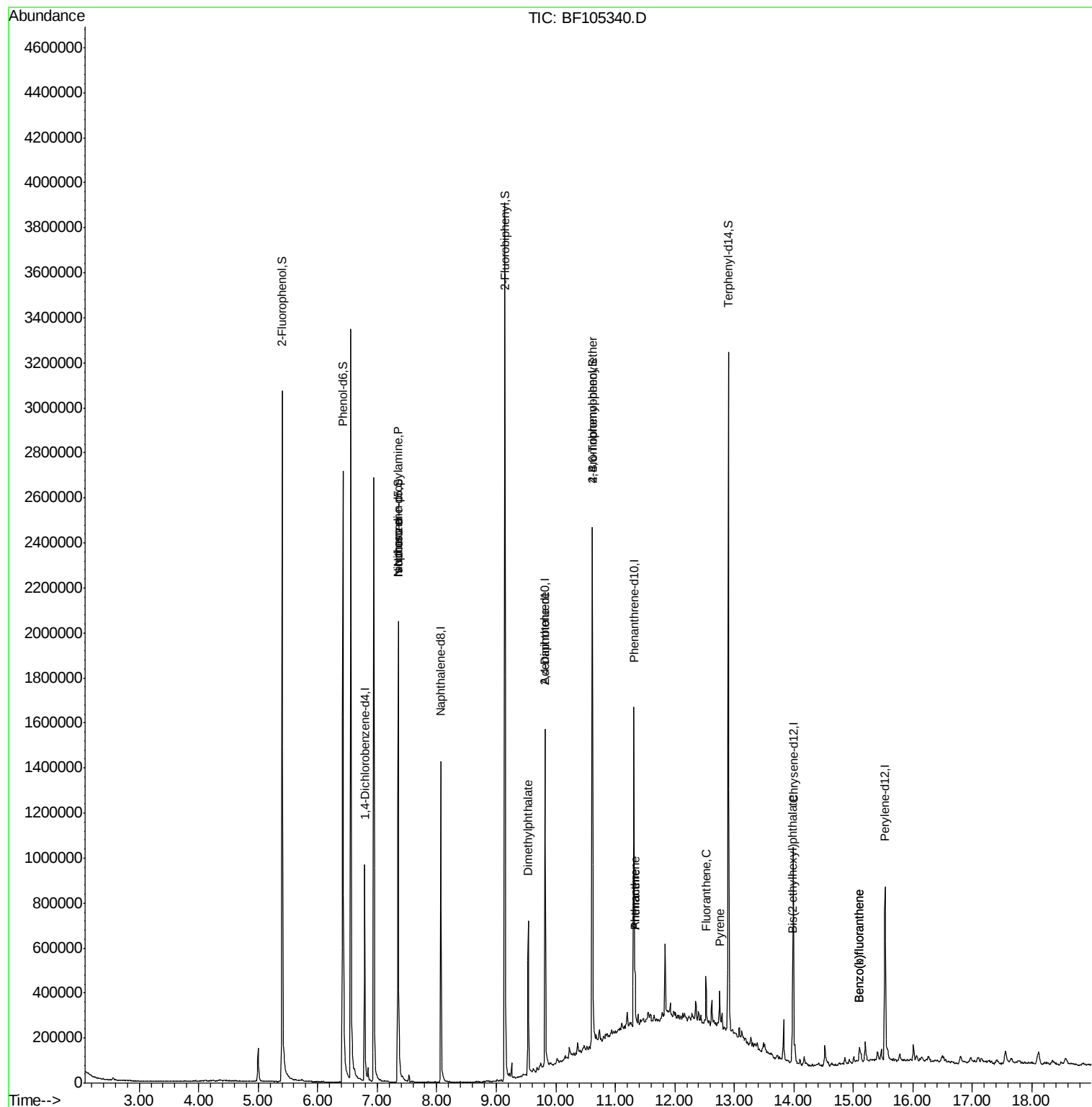
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	149588	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	638511	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	285054	20.00	ng	0.00
63) Phenanthrene-d10	11.31	188	519673	20.00	ng	0.00
75) Chrysene-d12	13.99	240	329121	20.00	ng	-0.02
86) Perylene-d12	15.53	264	364594	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	950478	95.57	ng	0.00
7) Phenol-d6	6.42	99	1191631	100.83	ng	0.00
23) Nitrobenzene-d5	7.35	82	758855	69.17	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	349431	94.88	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	1219992	61.69	ng	0.00
78) Terphenyl-d14	12.90	244	1115027	72.83	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.35	70	100527	13.46	ng	# 81
25) Isophorone	7.35	82	758850	36.55	ng	# 64
49) Dimethylphthalate	9.54	163	272911	12.47	ng	99
56) 2,4-Dinitrotoluene	9.82	165	36492	5.82	ng	# 24
66) 4-Bromophenyl-phenylether	10.62	248	19696	3.41	ng	# 1
70) Phenanthrene	11.33	178	69598	2.38	ng	97
71) Anthracene	11.33	178	69598	2.30	ng	98
74) Fluoranthene	12.52	202	82251	2.83	ng	97
77) Pyrene	12.75	202	65169	2.57	ng	99
83) Bis(2-ethylhexyl)phthalate	13.97	149	60852	4.49	ng	98
87) Benzo(b)fluoranthene	15.10	252	44585	2.05	ng	# 95
88) Benzo(k)fluoranthene	15.10	252	44585	2.12	ng	98

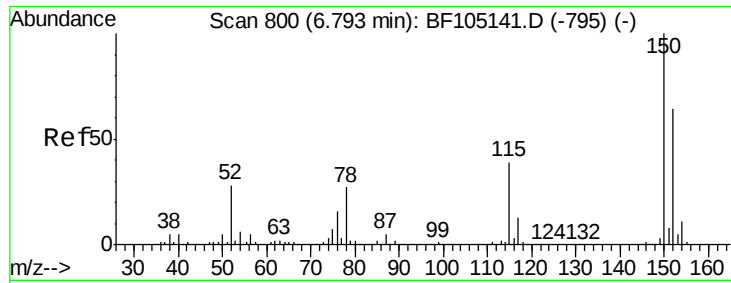
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051218\
Data File : BF105340.D
Acq On : 12 May 2018 16:29
Operator : JU/SJ
Sample : J2859-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: May 14 06:50:32 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF051018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 11 17:15:19 2018
Response via : Initial Calibration



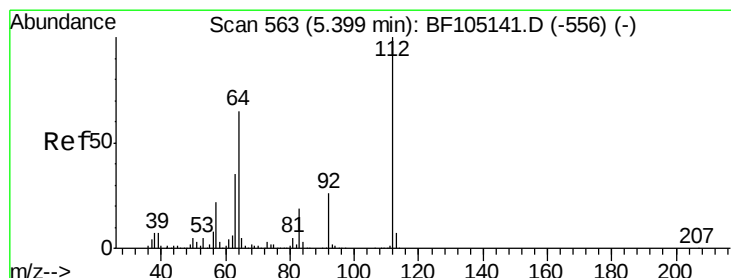
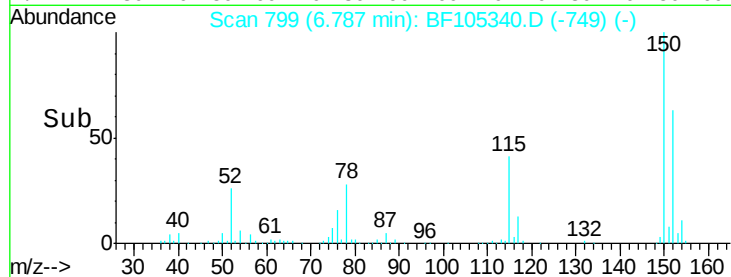
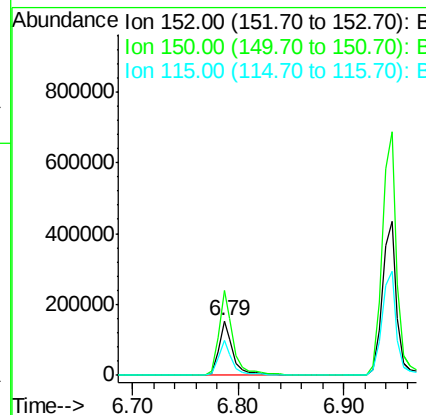
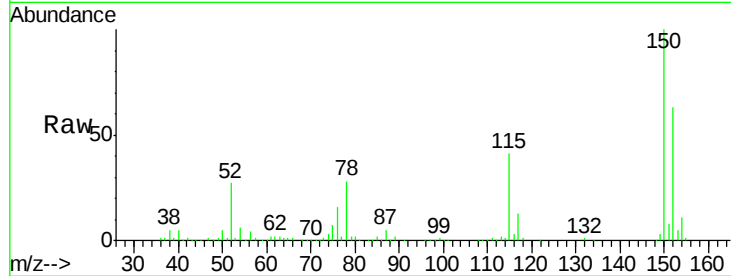


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.01 min
Lab File: BF105340.D
Acq: 12 May 2018 16:29

Instrument :
BNA_F
ClientSampleId :

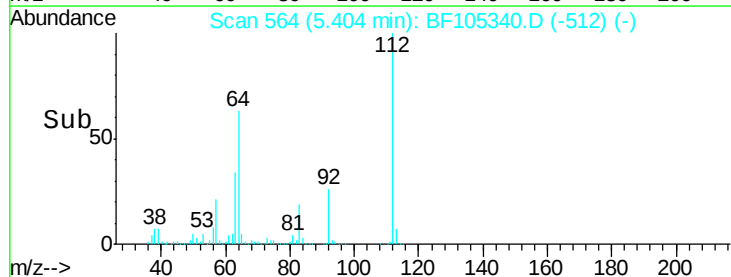
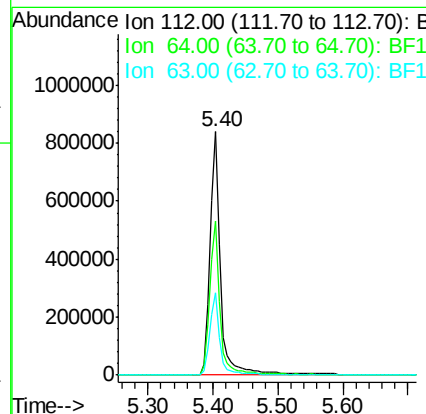
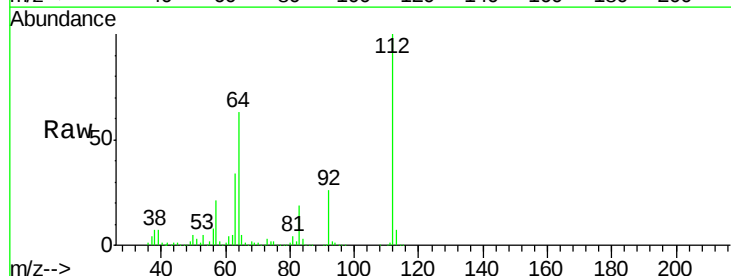
Tot Ion:152 Resp: 149588
Ion Ratio Lower Upper
152 100
150 157.6 124.6 186.8
115 64.7 50.1 75.1

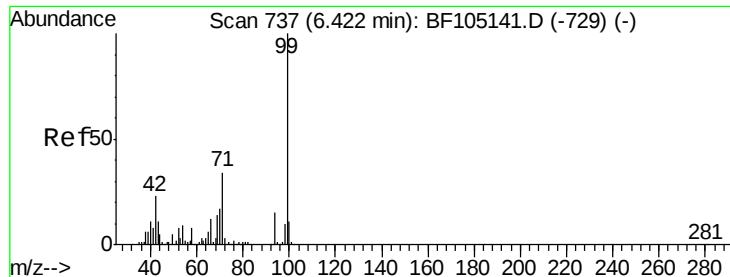


#5

2-Fluorophenol
Concen: 95.57 ng
RT: 5.40 min Scan# 564
Delta R.T. 0.01 min
Lab File: BF105340.D
Acq: 12 May 2018 16:29

Tgt Ion:112 Resp: 950478
Ion Ratio Lower Upper
112 100
64 63.1 47.9 71.9
63 34.0 23.7 35.5





#7

Phenol-d6

Concen: 100.83 ng

RT: 6.42 min Scan# 737

Delta R.T. 0.00 min

Lab File: BF105340.D

Acq: 12 May 2018 16:29

Instrument :

BNA_F

ClientSampleId :

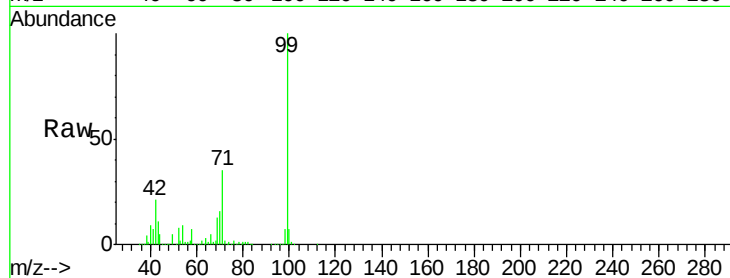
Tot Ion: 99 Resp: 1191631

Ion Ratio Lower Upper

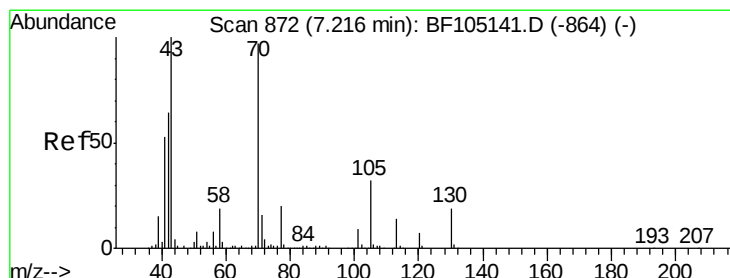
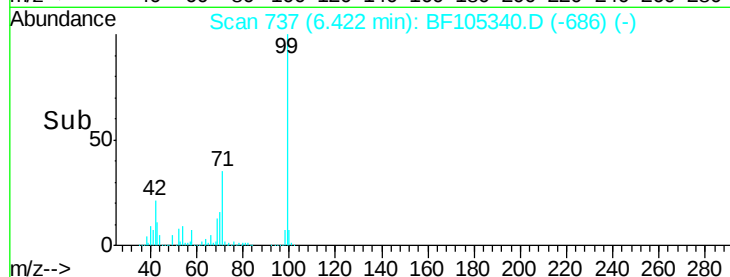
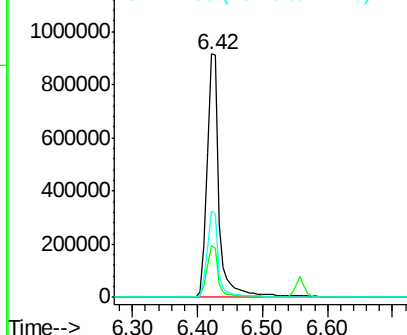
99 100

42 21.2 14.5 21.7

71 35.3 25.4 38.0



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: 13.46 ng

RT: 7.35 min Scan# 895

Delta R.T. 0.14 min

Lab File: BF105340.D

Acq: 12 May 2018 16:29

Tgt Ion: 70 Resp: 100527

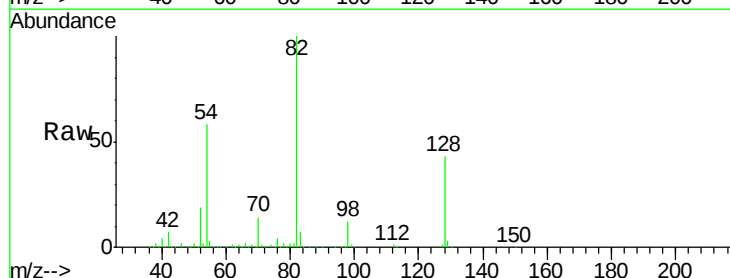
Ion Ratio Lower Upper

70 100

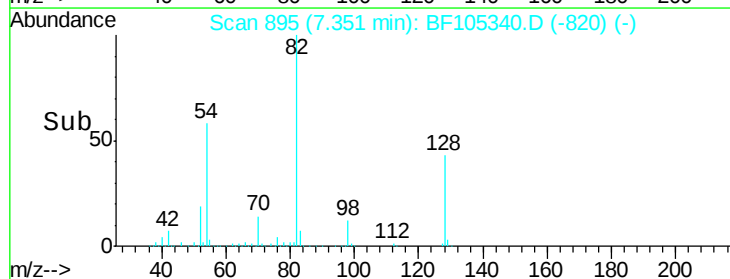
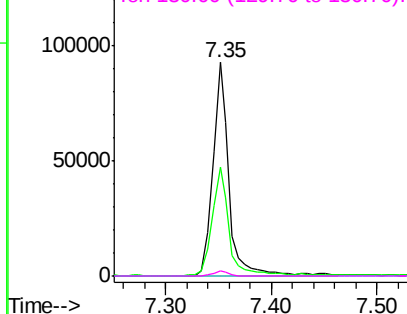
42 51.0 47.5 71.3

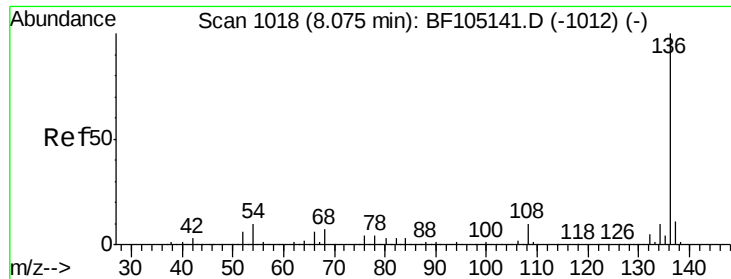
101 0.0 7.4 11.2#

130 2.1 16.6 25.0#



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

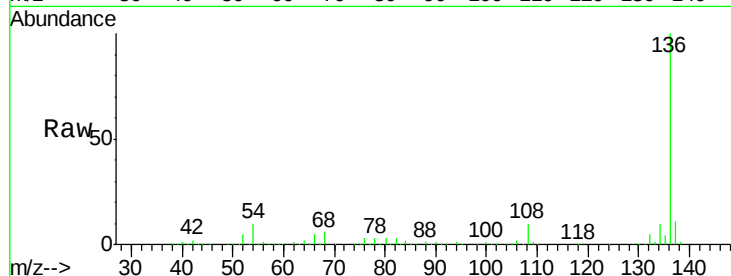




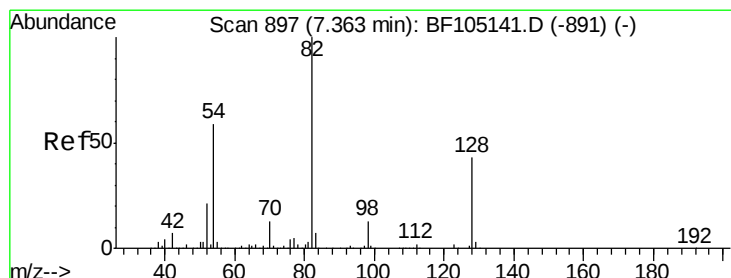
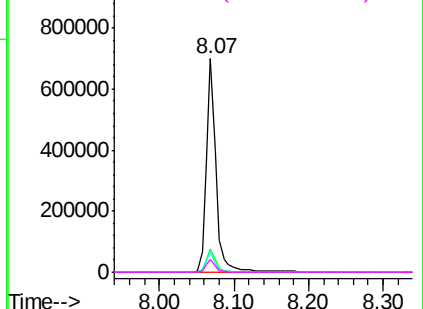
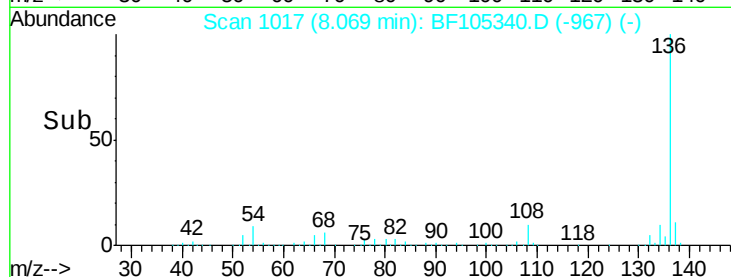
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BF105340.D
Acq: 12 May 2018 16:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	638511
Ion Ratio	Lower	Upper
136	100	
137	10.9	8.9 13.3
54	9.5	6.6 9.8
68	6.1	5.0 7.4

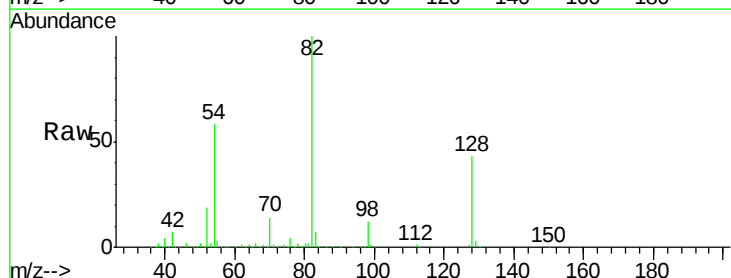


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

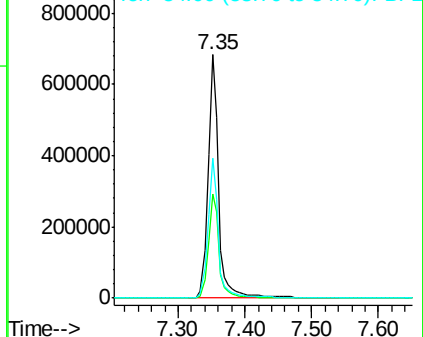
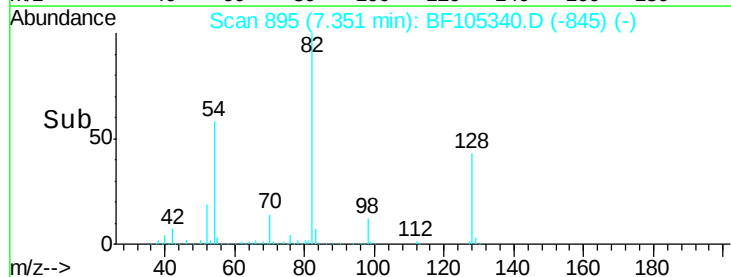


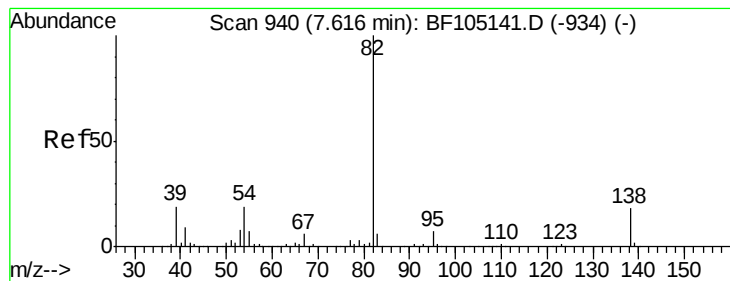
#23
Nitrobenzene-d5
Concen: 69.17 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.01 min
Lab File: BF105340.D
Acq: 12 May 2018 16:29

Tgt Ion: 82	Resp:	758855
Ion Ratio	Lower	Upper
82	100	
128	42.6	36.1 54.1
54	57.7	41.4 62.2



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: 36.55 ng

RT: 7.35 min Scan# 895

Delta R.T. -0.26 min

Lab File: BF105340.D

Acq: 12 May 2018 16:29

Instrument :

BNA_F

ClientSampled :

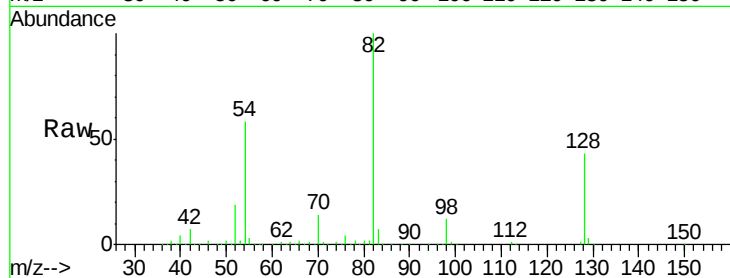
Tot Ion: 82 Resp: 758850

Ion Ratio Lower Upper

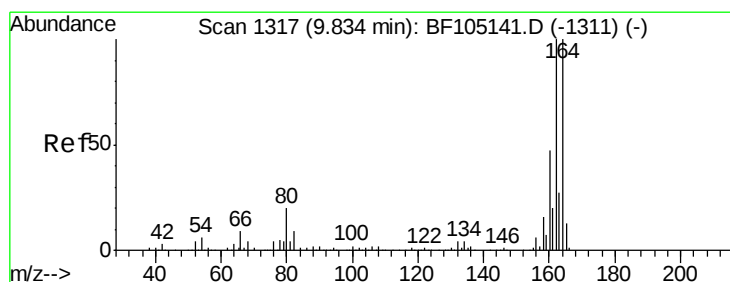
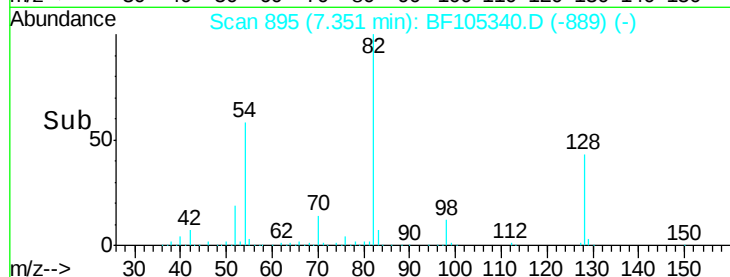
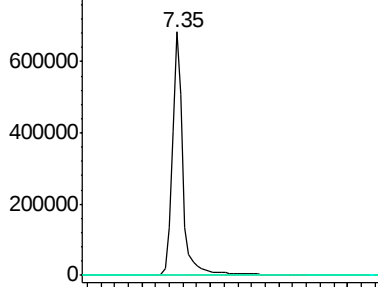
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.82 min Scan# 1315

Delta R.T. -0.01 min

Lab File: BF105340.D

Acq: 12 May 2018 16:29

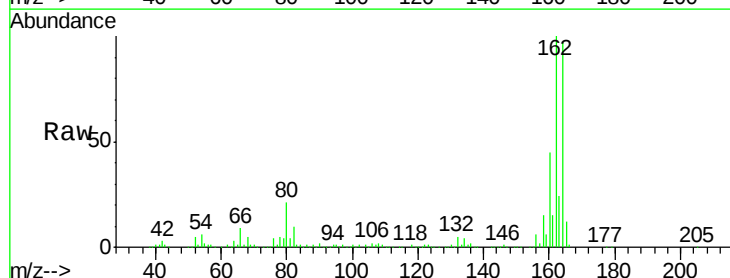
Tgt Ion: 164 Resp: 285054

Ion Ratio Lower Upper

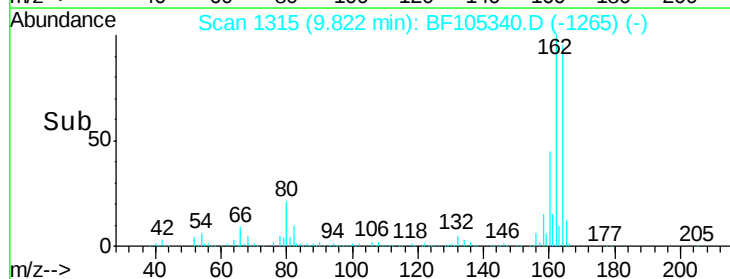
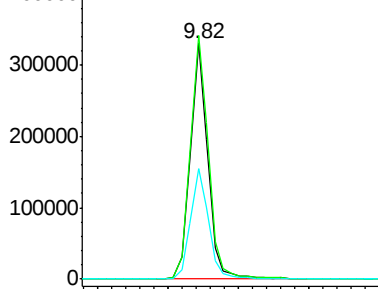
164 100

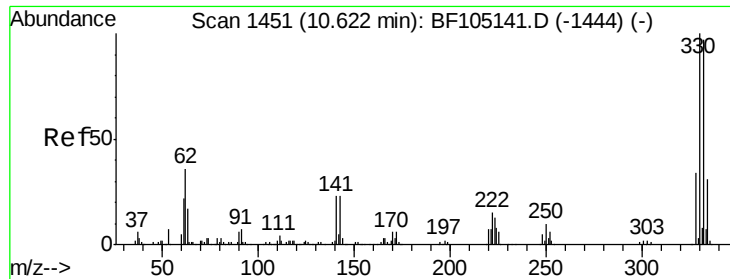
162 103.3 86.1 129.1

160 47.0 38.3 57.5



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

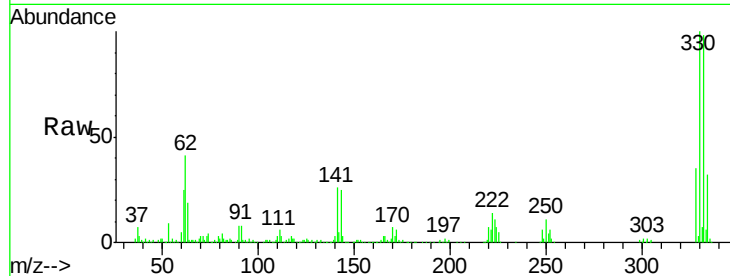




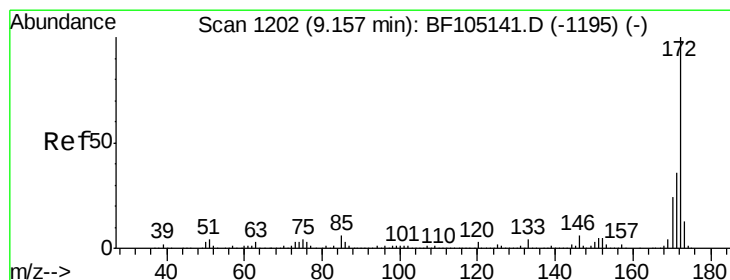
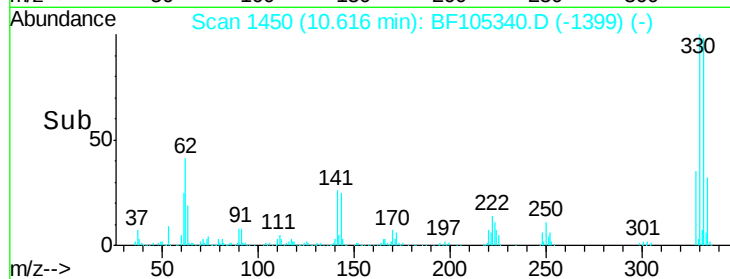
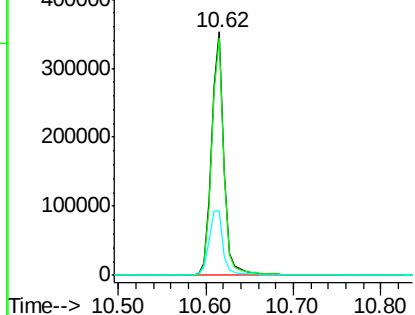
#41
 2,4,6-Tribromophenol
 Concen: 94.88 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. 0.00 min
 Lab File: BF105340.D
 Acq: 12 May 2018 16:29

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.0	115.6
141	29.5	29.9	44.9#

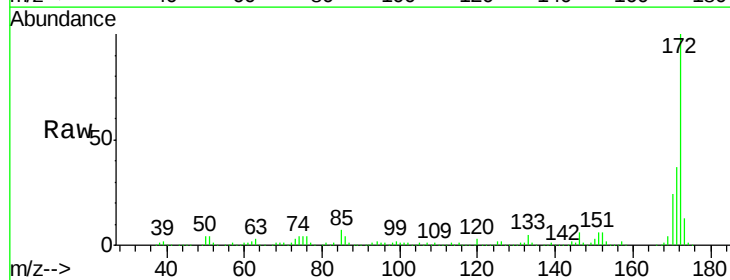


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

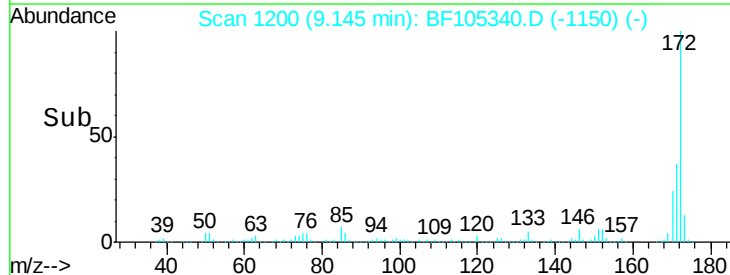
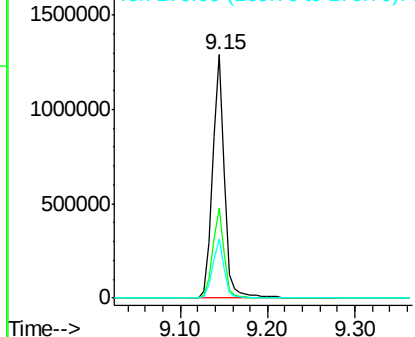


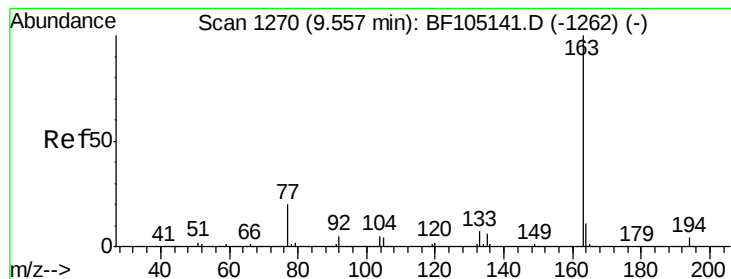
#44
 2-Fluorobiphenyl
 Concen: 61.69 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: BF105340.D
 Acq: 12 May 2018 16:29

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.1	29.7	44.5
170	24.3	19.6	29.4



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





#49

Dimethylphthalate

Concen: 12.47 ng

RT: 9.54 min Scan# 1267

Delta R.T. -0.01 min

Lab File: BF105340.D

Acq: 12 May 2018 16:29

Instrument :

BNA_F

ClientSampleId :

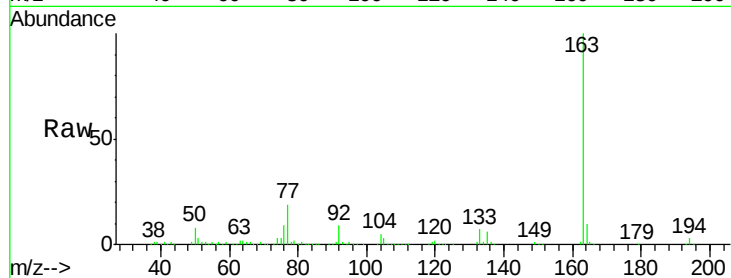
Tot Ion:163 Resp: 272911

Ion Ratio Lower Upper

163 100

194 3.3 2.7 4.1

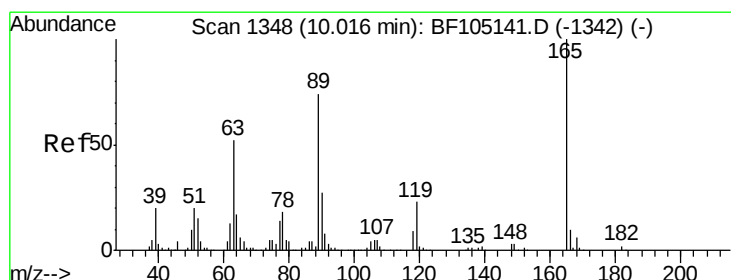
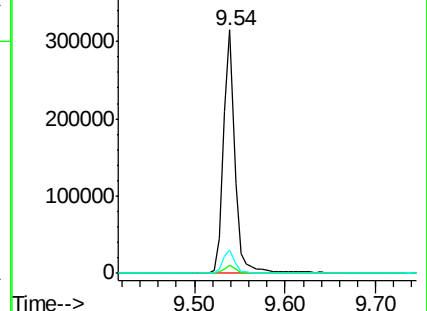
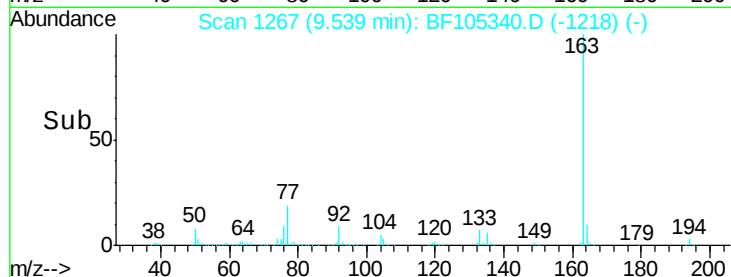
164 9.6 8.2 12.2



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



#56

2,4-Dinitrotoluene

Concen: 5.82 ng

RT: 9.82 min Scan# 1315

Delta R.T. -0.19 min

Lab File: BF105340.D

Acq: 12 May 2018 16:29

Tgt Ion:165 Resp: 36492

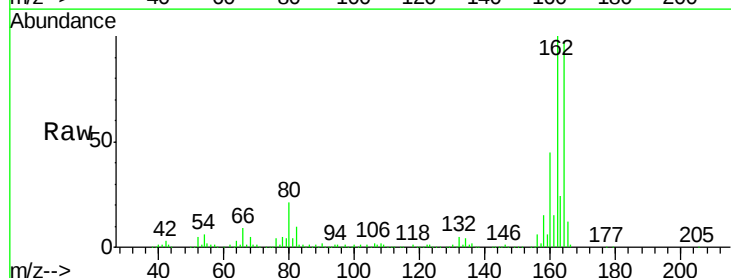
Ion Ratio Lower Upper

165 100

63 1.6 36.4 54.6#

89 1.8 57.8 86.6#

182 0.0 1.6 2.4#

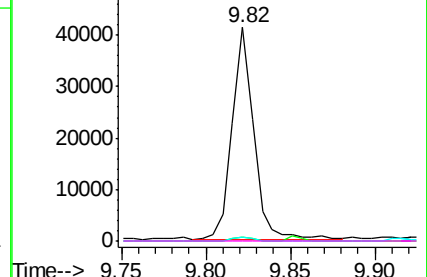
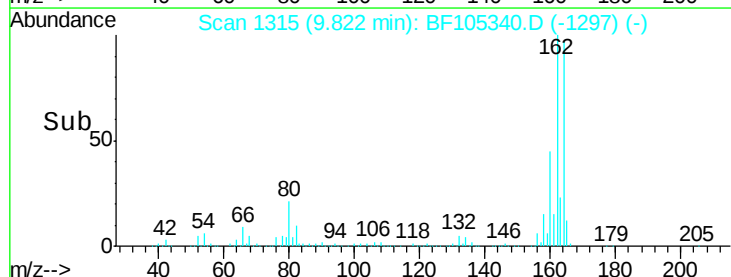


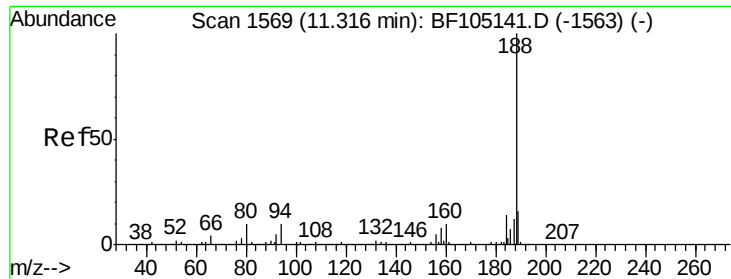
Abundance Ion 165.00 (164.70 to 165.70): E

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

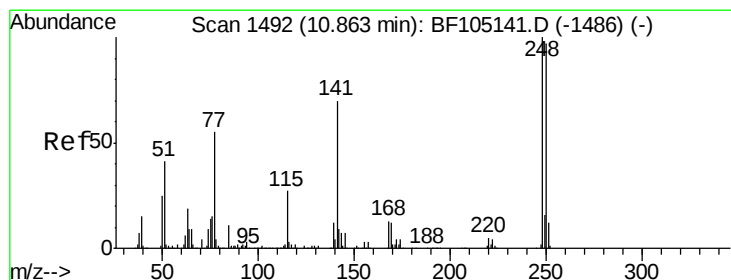
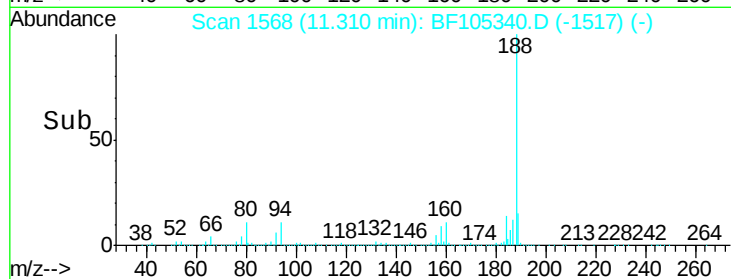
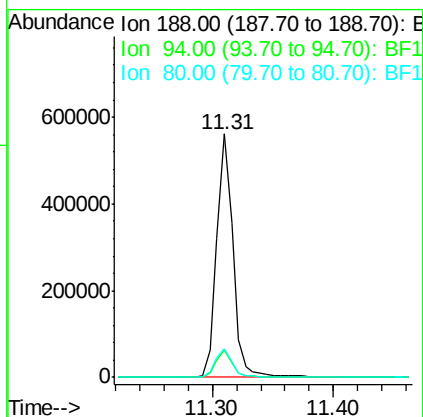
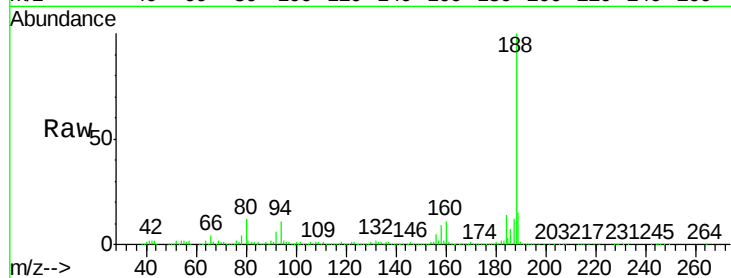




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.31 min Scan# 1568
Delta R.T. 0.00 min
Lab File: BF105340.D
Acq: 12 May 2018 16:29

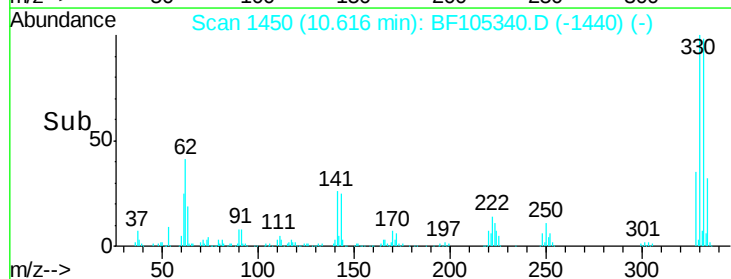
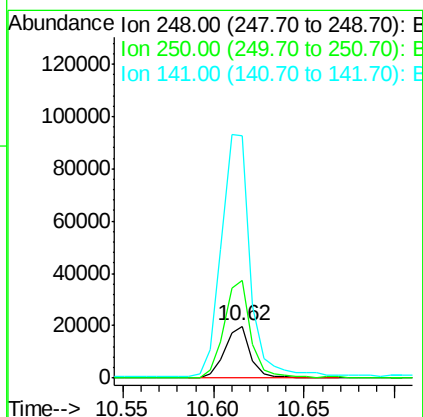
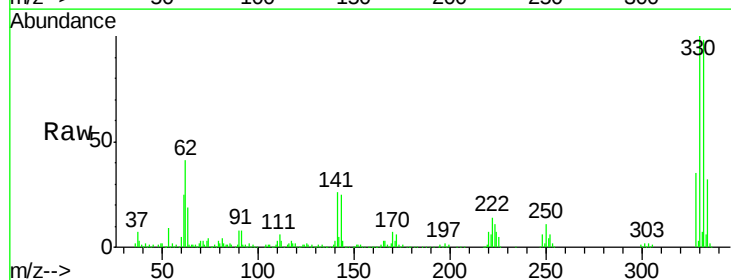
Instrument :
BNA_F
ClientSampleId :

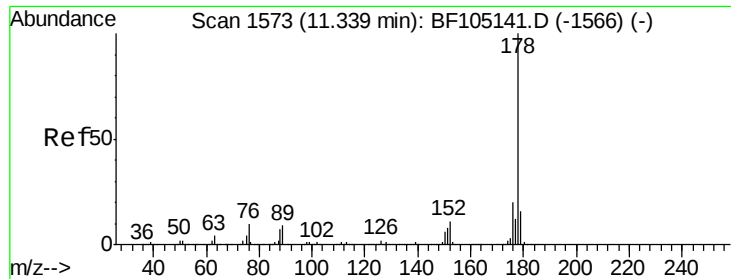
Tot Ion:188 Resp: 519673
Ion Ratio Lower Upper
188 100
94 11.0 8.5 12.7
80 11.6 9.2 13.8



#66
4-Bromophenyl-phenylether
Concen: 3.41 ng
RT: 10.62 min Scan# 1450
Delta R.T. -0.24 min
Lab File: BF105340.D
Acq: 12 May 2018 16:29

Tgt Ion:248 Resp: 19696
Ion Ratio Lower Upper
248 100
250 187.3 76.9 115.3#
141 466.8 74.4 111.6#





#70

Phenanthrene

Concen: 2.38 ng

RT: 11.33 min Scan# 1572

Delta R.T. -0.01 min

Lab File: BF105340.D

Acq: 12 May 2018 16:29

Instrument :

BNA_F

ClientSampled :

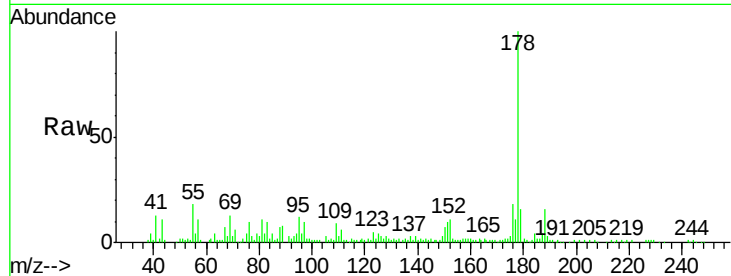
Tot Ion:178 Resp: 69598

Ion Ratio Lower Upper

178 100

176 18.0 15.8 23.8

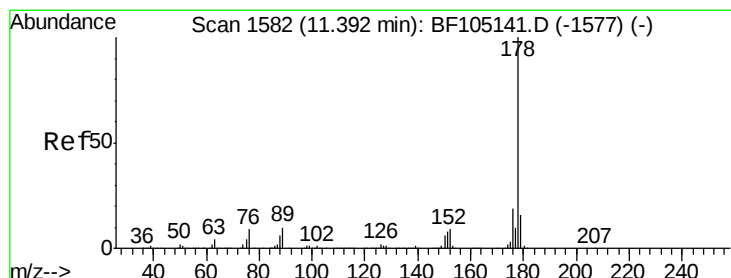
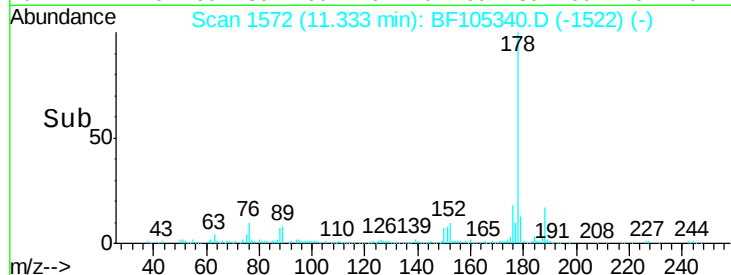
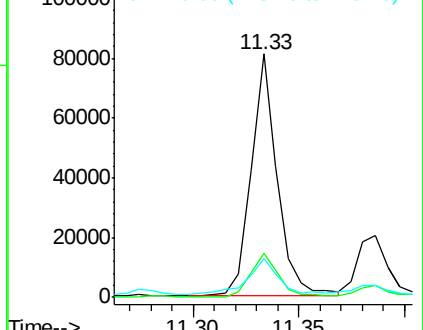
179 15.8 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 2.30 ng

RT: 11.33 min Scan# 1572

Delta R.T. -0.06 min

Lab File: BF105340.D

Acq: 12 May 2018 16:29

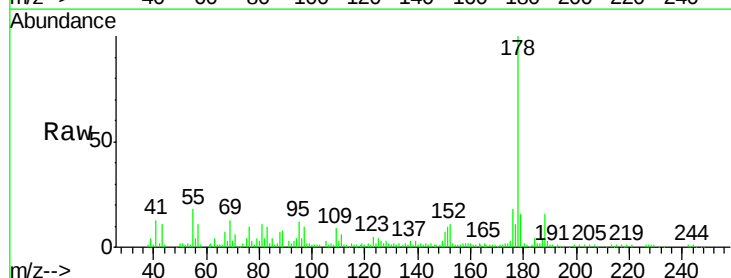
Tgt Ion:178 Resp: 69598

Ion Ratio Lower Upper

178 100

176 18.0 15.4 23.2

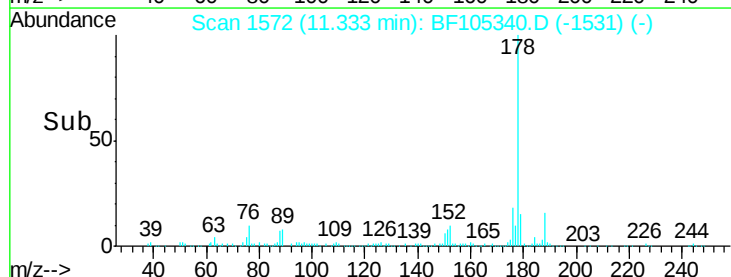
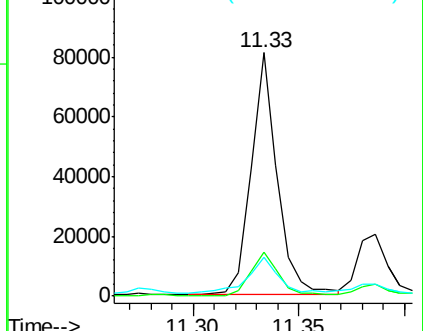
179 15.8 12.6 19.0

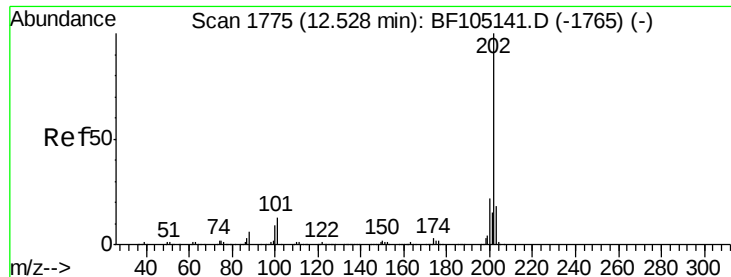


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 2.83 ng

RT: 12.52 min Scan# 1774

Delta R.T. -0.01 min

Lab File: BF105340.D

Acq: 12 May 2018 16:29

Instrument :

BNA_F

ClientSampleId :

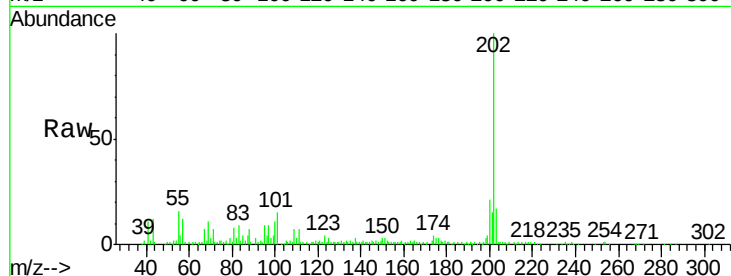
Tot Ion:202 Resp: 82251

Ion Ratio Lower Upper

202 100

101 14.9 0.0 34.1

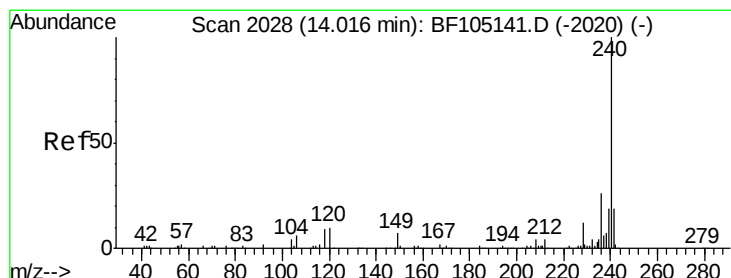
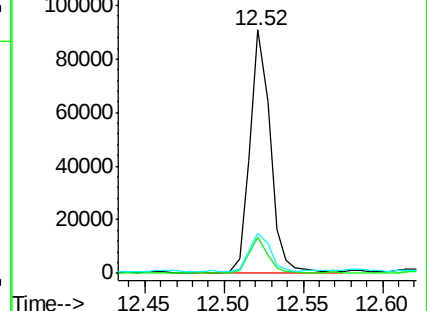
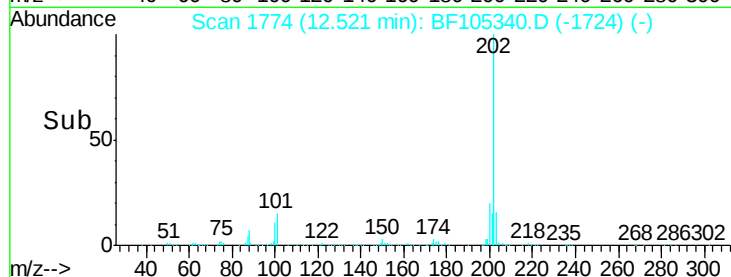
203 16.5 0.0 38.1



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.02 min

Lab File: BF105340.D

Acq: 12 May 2018 16:29

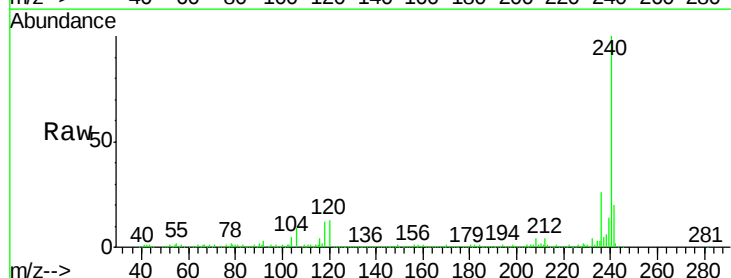
Tgt Ion:240 Resp: 329121

Ion Ratio Lower Upper

240 100

120 12.7 9.5 14.3

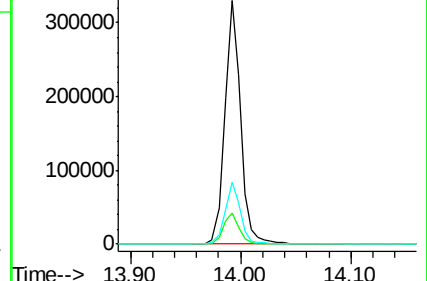
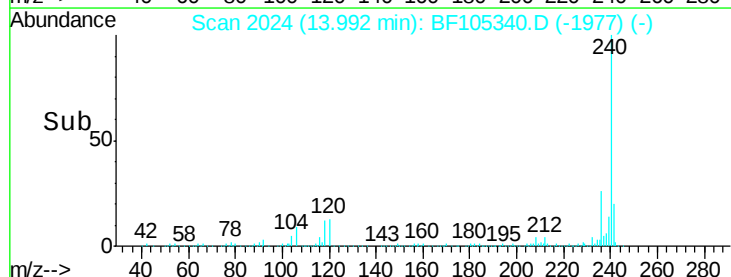
236 25.5 20.7 31.1

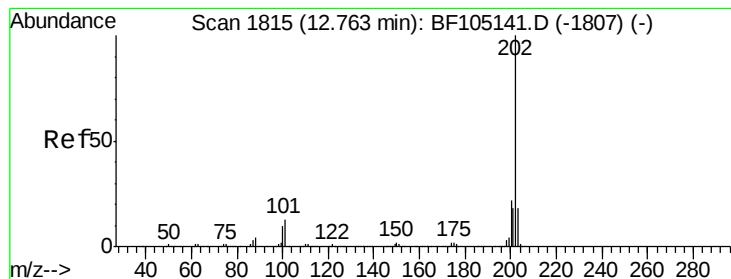


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 2.57 ng

RT: 12.75 min Scan# 1813

Delta R.T. -0.01 min

Lab File: BF105340.D

Acq: 12 May 2018 16:29

Instrument :

BNA_F

ClientSampled :

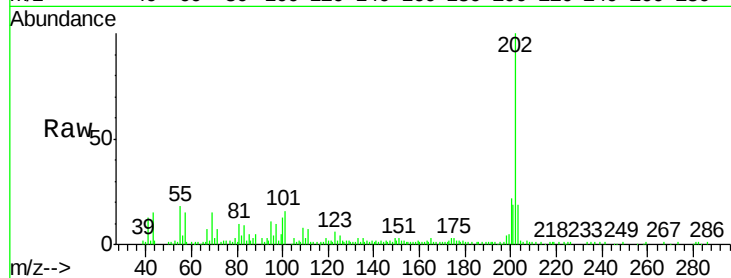
Tot Ion:202 Resp: 65169

Ion Ratio Lower Upper

202 100

200 21.9 17.4 26.2

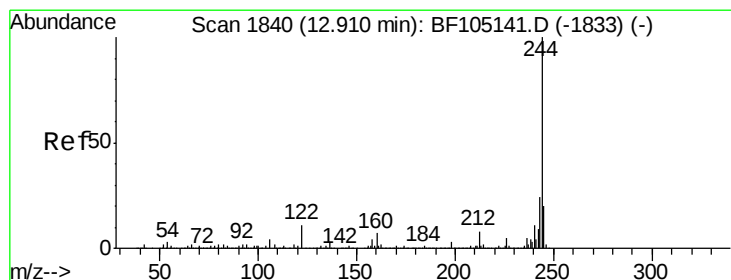
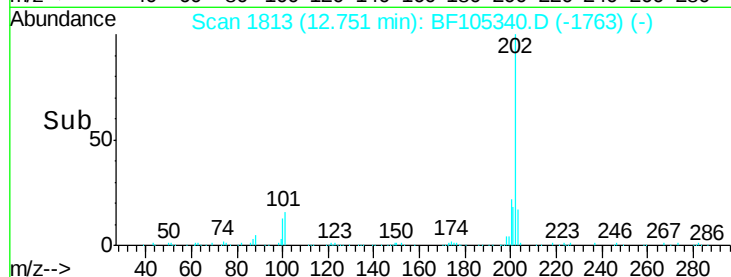
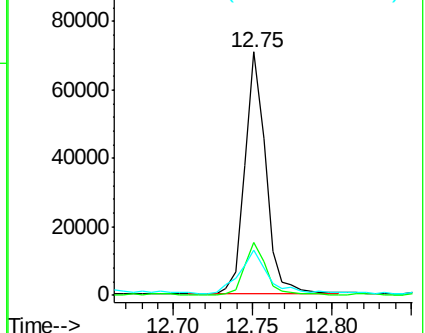
203 18.6 14.3 21.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 72.83 ng

RT: 12.90 min Scan# 1839

Delta R.T. 0.00 min

Lab File: BF105340.D

Acq: 12 May 2018 16:29

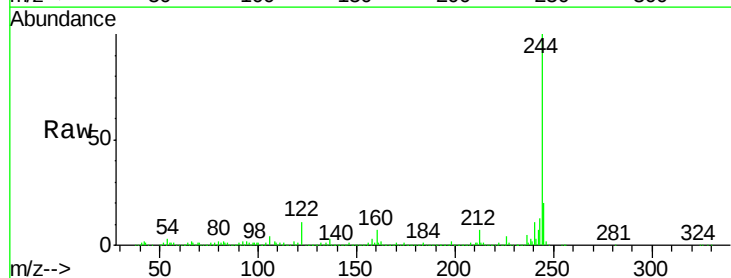
Tgt Ion:244 Resp: 1115027

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

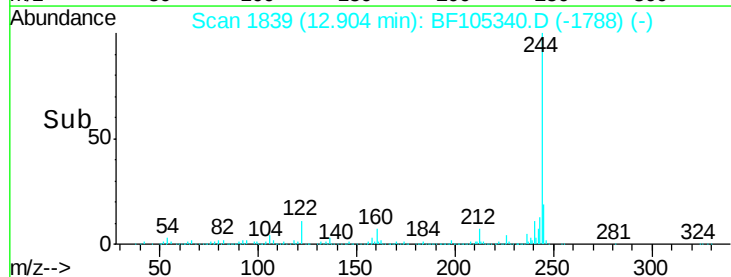
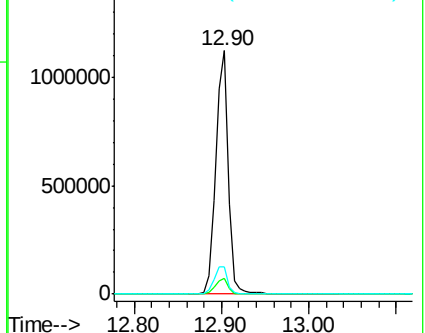
122 11.3 11.0 16.4

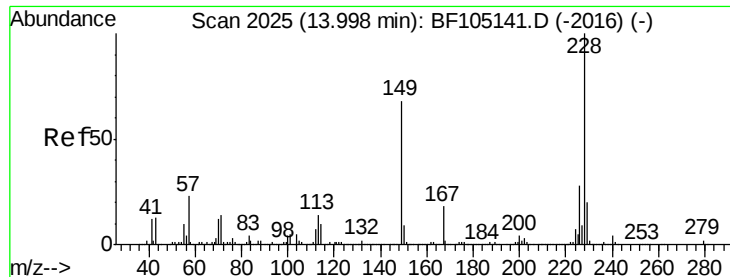


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

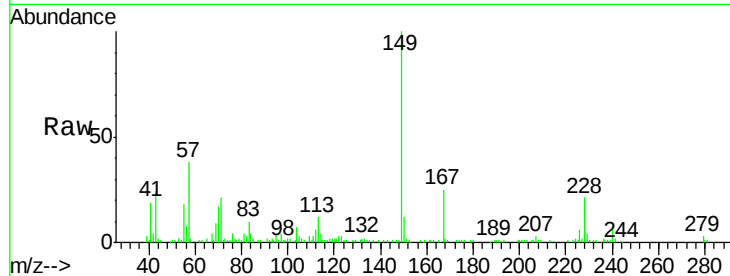




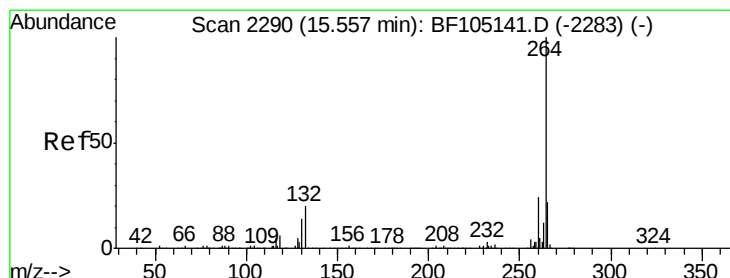
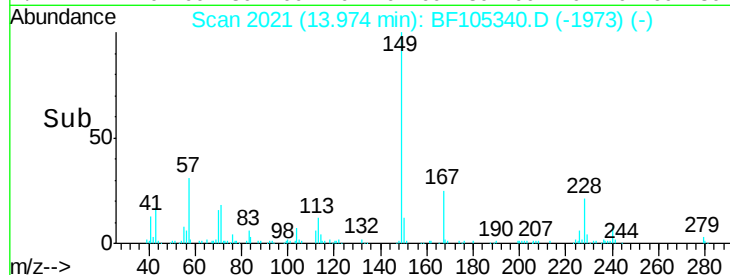
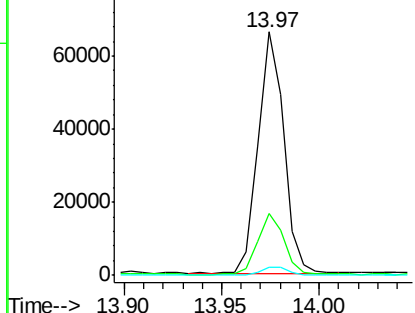
#83
Bis(2-ethylhexyl)phthalate
Concen: 4.49 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.02 min
Lab File: BF105340.D
Acq: 12 May 2018 16:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:149 Resp: 60852
Ion Ratio Lower Upper
149 100
167 25.3 21.3 31.9
279 3.3 3.0 4.4

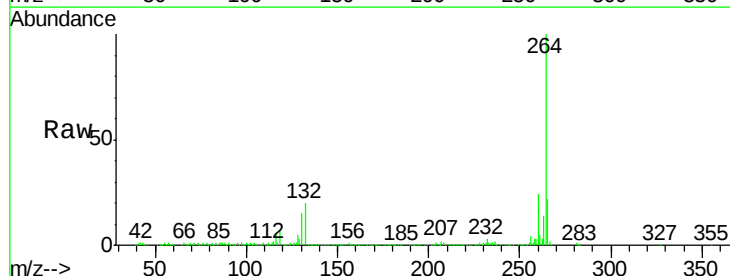


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E

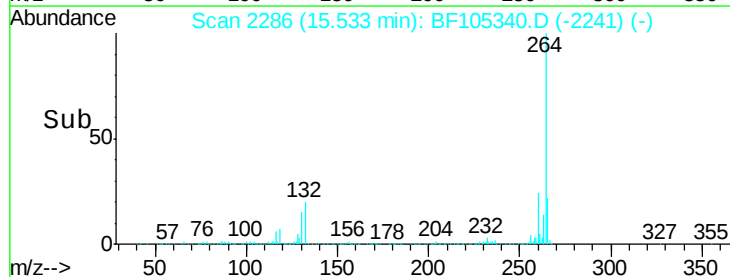
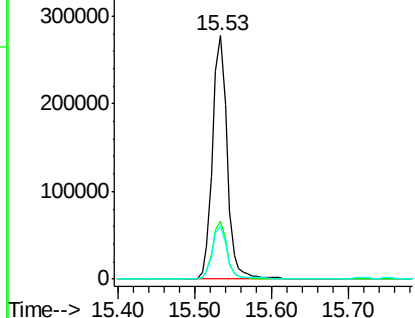


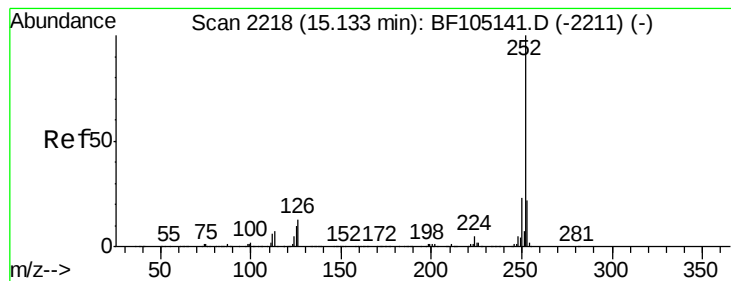
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.53 min Scan# 2286
Delta R.T. -0.04 min
Lab File: BF105340.D
Acq: 12 May 2018 16:29

Tgt Ion:264 Resp: 364594
Ion Ratio Lower Upper
264 100
260 24.0 19.2 28.8
265 21.9 17.5 26.3



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





#87

Benzo(b)fluoranthene

Concen: 2.05 ng

RT: 15.10 min Scan# 2213

Delta R.T. -0.04 min

Lab File: BF105340.D

Acq: 12 May 2018 16:29

Instrument :

BNA_F

ClientSampleId :

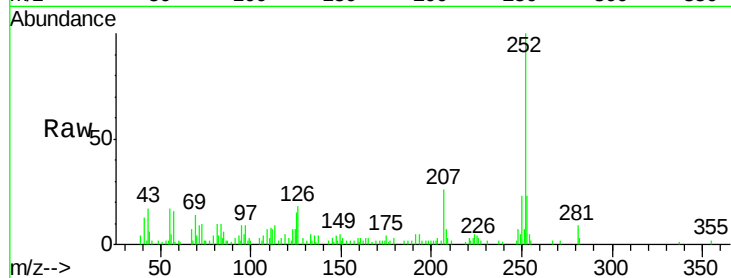
Tot Ion:252 Resp: 44585

Ion Ratio Lower Upper

252 100

253 23.0 17.0 25.6

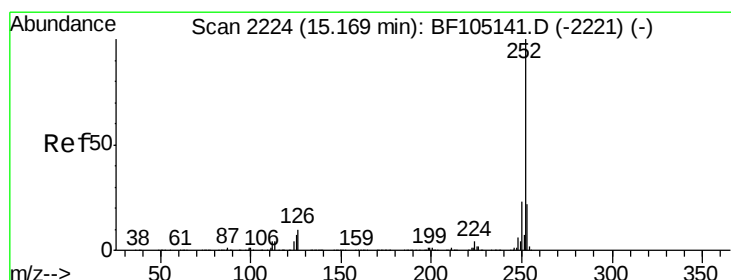
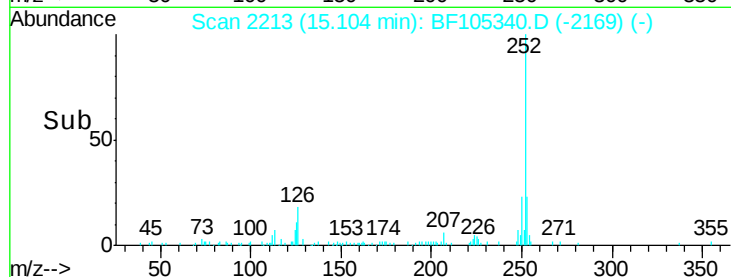
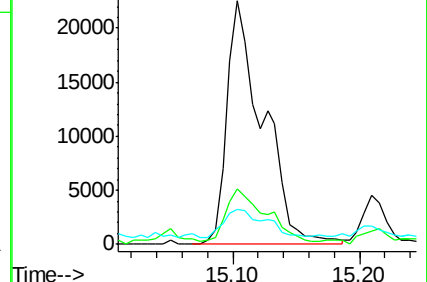
125 14.5 9.0 13.6#



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



#88

Benzo(k)fluoranthene

Concen: 2.12 ng

RT: 15.10 min Scan# 2213

Delta R.T. -0.07 min

Lab File: BF105340.D

Acq: 12 May 2018 16:29

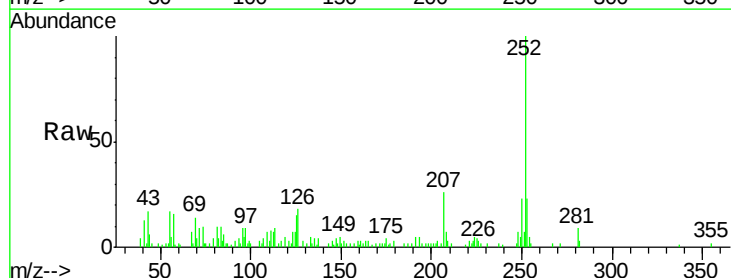
Tgt Ion:252 Resp: 44585

Ion Ratio Lower Upper

252 100

253 23.0 17.9 26.9

125 14.5 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

