

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041718\
 Data File : BF104567.D
 Acq On : 17 Apr 2018 17:57
 Operator : JU/SJ
 Sample : J2393-01RE
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 18 00:49:41 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 17 17:08:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	132251	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	537092	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	241165	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	393021	20.00	ng	0.00
75) Chrysene-d12	13.97	240	267648	20.00	ng	0.00
86) Perylene-d12	15.44	264	270575	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.42	112	23423	2.71	ng	0.00
7) Phenol-d6	6.43	99	340414	32.03	ng	-0.01
23) Nitrobenzene-d5	7.37	82	554718	67.44	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	456	0.18	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	990246	64.87	ng	0.00
78) Terphenyl-d14	12.92	244	776537	66.15	ng	0.00

Target Compounds

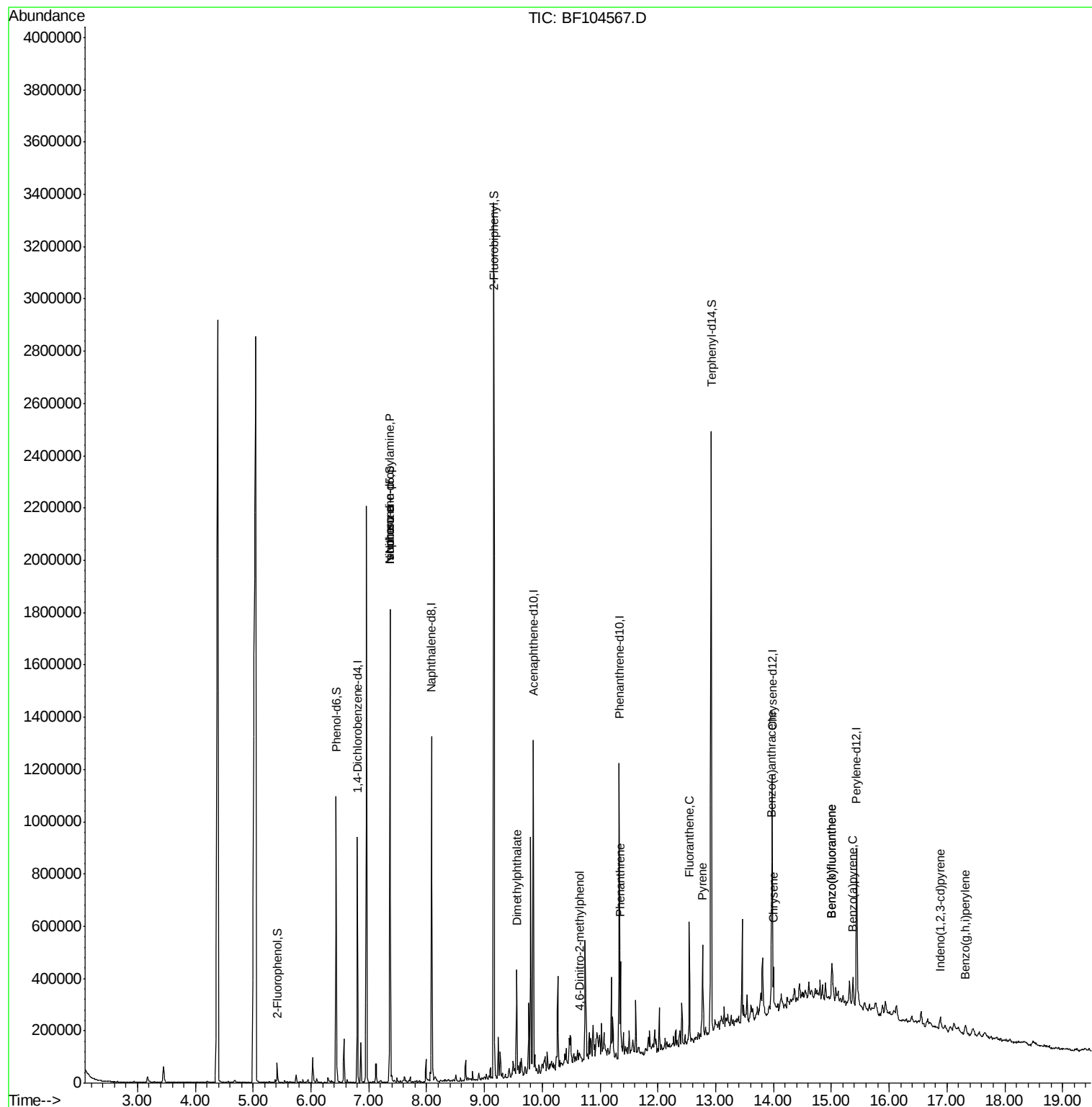
						Qvalue
9) Benzaldehyde	6.35	77	910	Below Cal	#	53
19) n-Nitroso-di-n-propylamine	7.37	70	76627	11.034	ng	# 73
25) Isophorone	7.37	82	554705	31.892	ng	# 64
49) Dimethylphthalate	9.56	163	121393	6.383	ng	# 99
64) 4,6-Dinitro-2-methylphenol	10.66	198	158	7.417	ng	# 1
70) Phenanthrene	11.36	178	133495	6.099	ng	# 98
74) Fluoranthene	12.55	202	150814	6.595	ng	# 97
76) Benzydine	12.65	184	407	Below Cal	#	1
77) Pyrene	12.77	202	135248	6.817	ng	# 98
80) Benzo(a)anthracene	13.96	228	62463	3.906	ng	# 98
82) Chrysene	14.00	228	54917	3.344	ng	# 96
85) Indeno(1,2,3-cd)pyrene	16.89	276	28304	2.029	ng	# 94
87) Benzo(b)fluoranthene	15.01	252	92882	5.435	ng	# 87
88) Benzo(k)fluoranthene	15.01	252	92882	5.757	ng	# 90
89) Benzo(a)pyrene	15.37	252	49883	3.262	ng	# 92
91) Benzo(g,h,i)perylene	17.32	276	29310	2.409	ng	# 95

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

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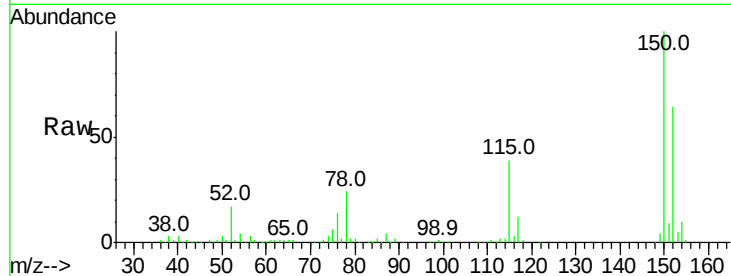


#1

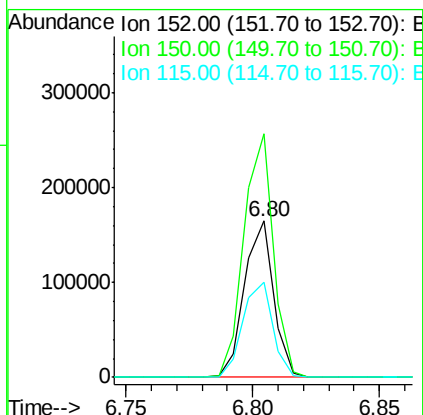
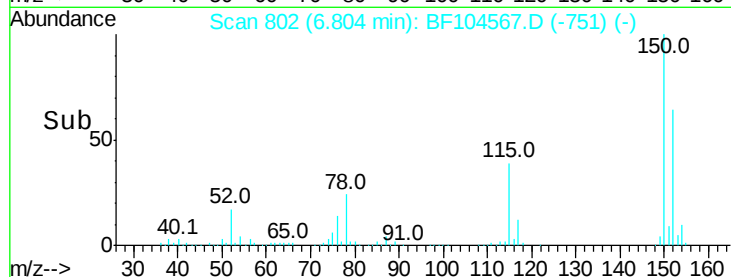
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. 0.00 min
Lab File: BF104567.D
Acq: 17 Apr 2018 17:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 132251
Ion Ratio Lower Upper
152 100
150 155.8 124.6 186.8
115 60.9 50.1 75.1



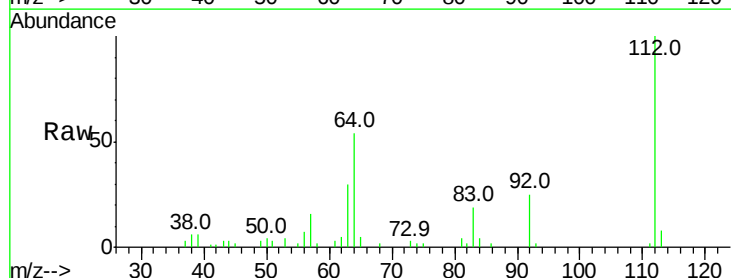
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



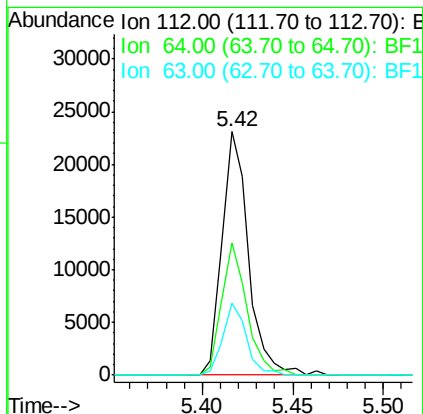
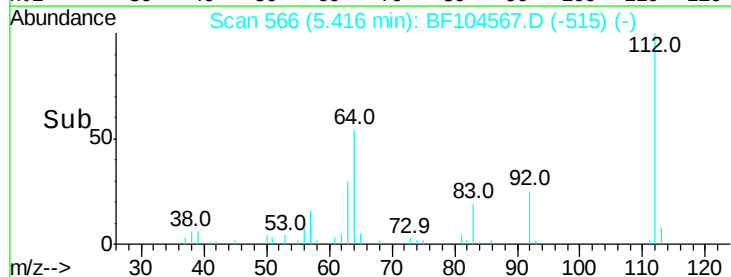
#5

2-Fluorophenol
Concen: 2.708 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.00 min
Lab File: BF104567.D
Acq: 17 Apr 2018 17:57

Tgt Ion:112 Resp: 23423
Ion Ratio Lower Upper
112 100
64 54.3 47.9 71.9
63 29.8 23.7 35.5



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: 32.033 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF104567.D

Acq: 17 Apr 2018 17:57

Instrument :

BNA_F

ClientSampled :

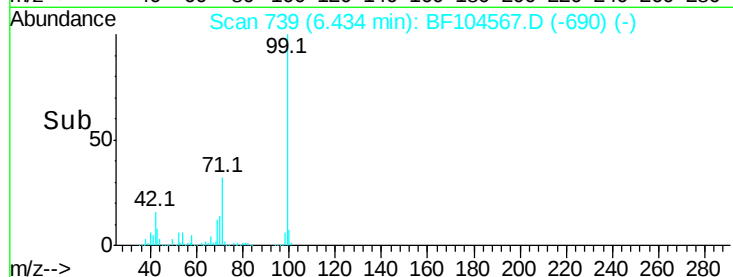
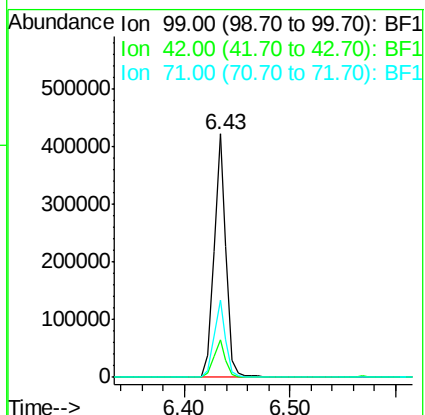
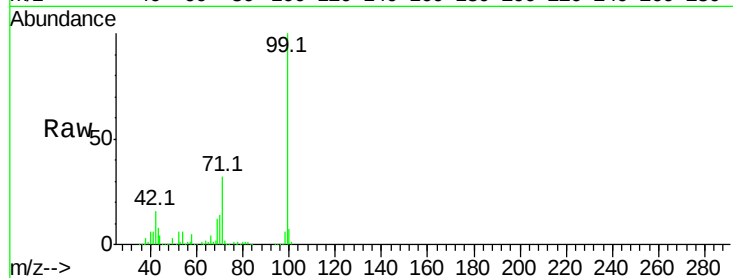
Tot Ion: 99 Resp: 340414

Ion Ratio Lower Upper

99 100

42 15.6 14.5 21.7

71 31.7 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 11.034 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.15 min

Lab File: BF104567.D

Acq: 17 Apr 2018 17:57

Tgt Ion: 70 Resp: 76627

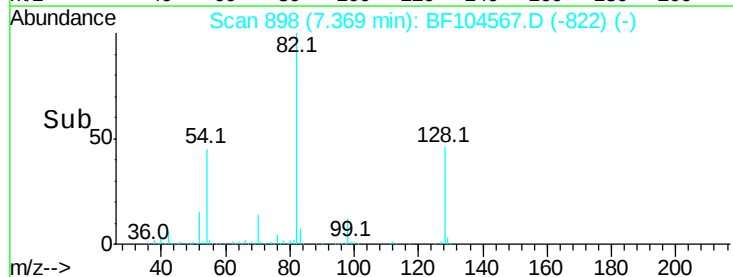
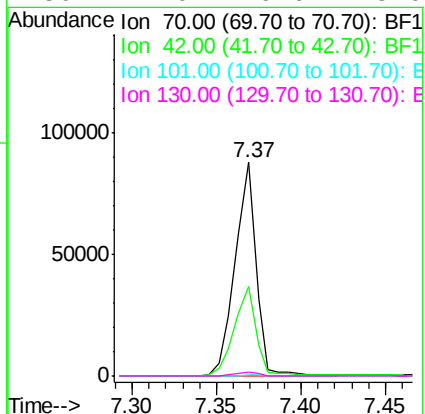
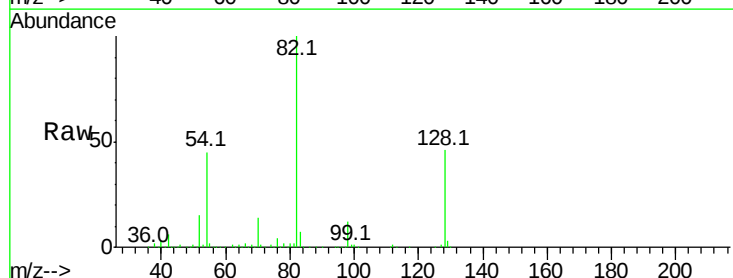
Ion Ratio Lower Upper

70 100

42 42.1 47.5 71.3#

101 0.3 7.4 11.2#

130 2.0 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1020

Delta R.T. -0.01 min

Lab File: BF104567.D

Acq: 17 Apr 2018 17:57

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 537092

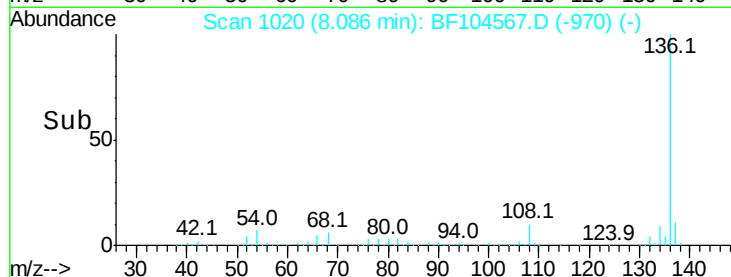
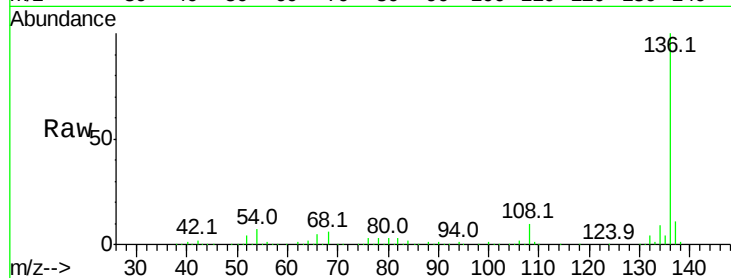
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 7.0 6.6 9.8

68 6.2 5.0 7.4

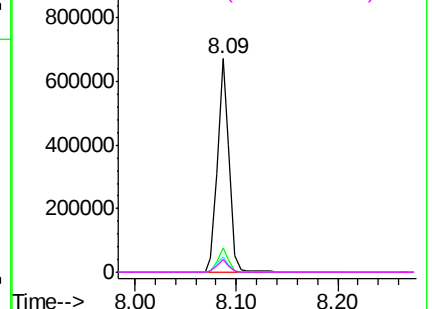


Abundance Ion 136.00 (135.70 to 136.70): E

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: 67.441 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.01 min

Lab File: BF104567.D

Acq: 17 Apr 2018 17:57

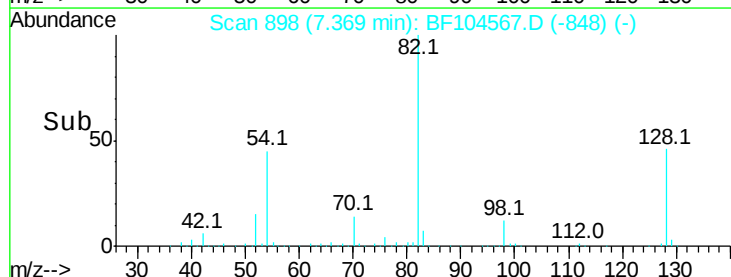
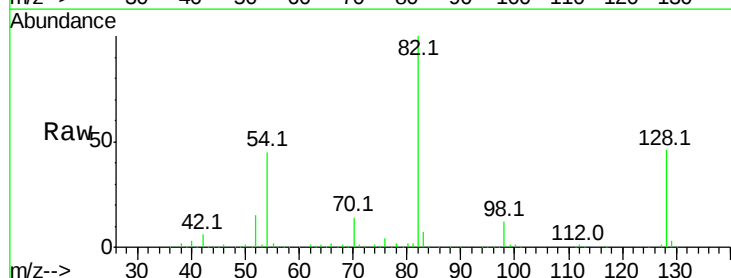
Tgt Ion: 82 Resp: 554718

Ion Ratio Lower Upper

82 100

128 46.2 36.1 54.1

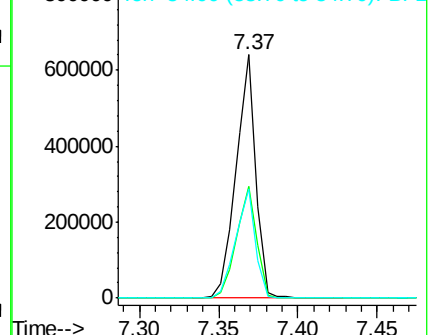
54 45.0 41.4 62.2



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: 31.892 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.26 min

Lab File: BF104567.D

Acq: 17 Apr 2018 17:57

Instrument :

BNA_F

ClientSampleId :

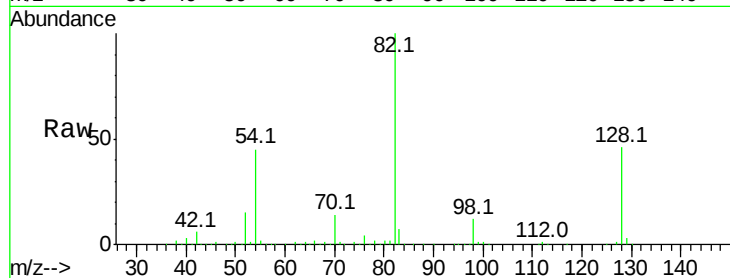
Tot Ion: 82 Resp: 554705

Ion Ratio Lower Upper

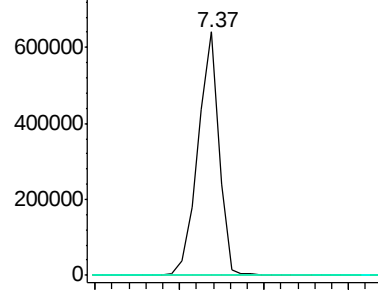
82 100

95 0.1 5.2 7.8#

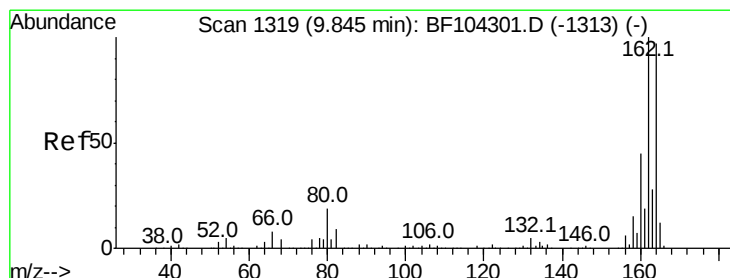
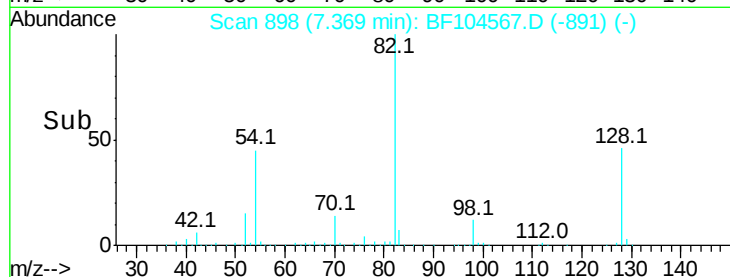
138 0.0 14.9 22.3#



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



Time-->



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1319

Delta R.T. 0.00 min

Lab File: BF104567.D

Acq: 17 Apr 2018 17:57

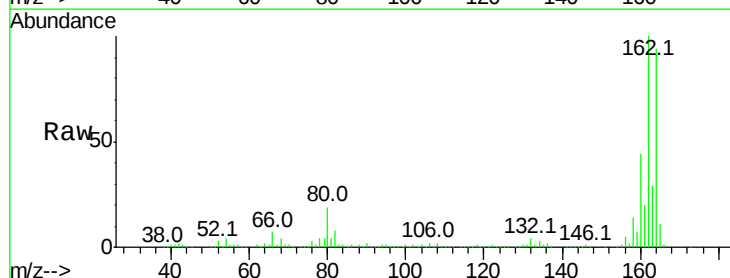
Tgt Ion:164 Resp: 241165

Ion Ratio Lower Upper

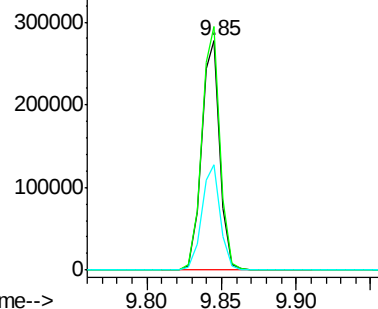
164 100

162 106.2 86.1 129.1

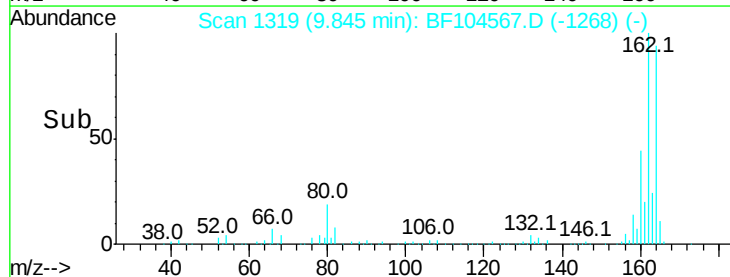
160 46.2 38.3 57.5



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



Time-->





#41

2,4,6-Tribromophenol

Concen: 0.182 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.01 min

Lab File: BF104567.D

Acq: 17 Apr 2018 17:57

Instrument :

BNA_F

ClientSampleId :

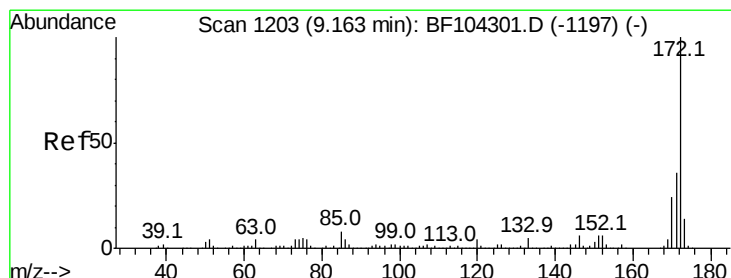
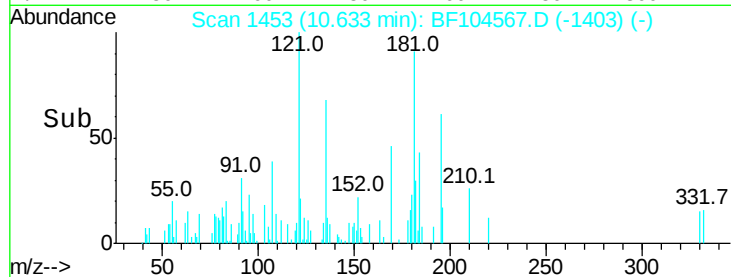
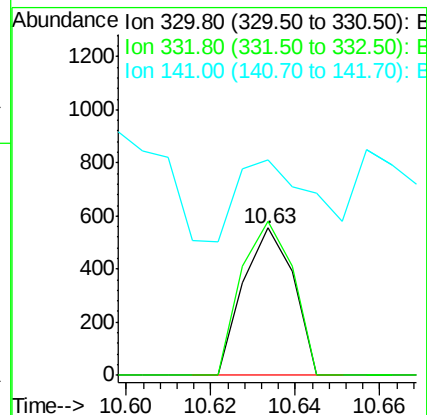
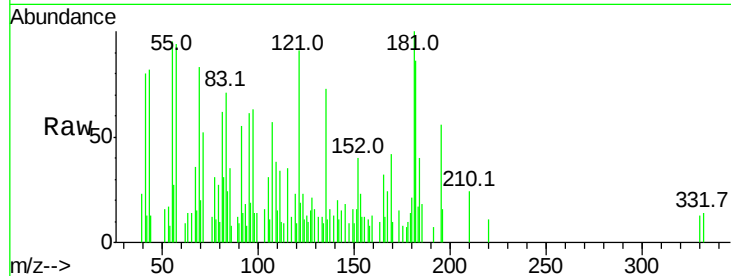
Tot Ion:330 Resp: 456

Ion Ratio Lower Upper

330 100

332 108.8 77.0 115.6

141 81.1 29.9 44.9#



#44

2-Fluorobiphenyl

Concen: 64.866 ng

RT: 9.16 min Scan# 1203

Delta R.T. -0.01 min

Lab File: BF104567.D

Acq: 17 Apr 2018 17:57

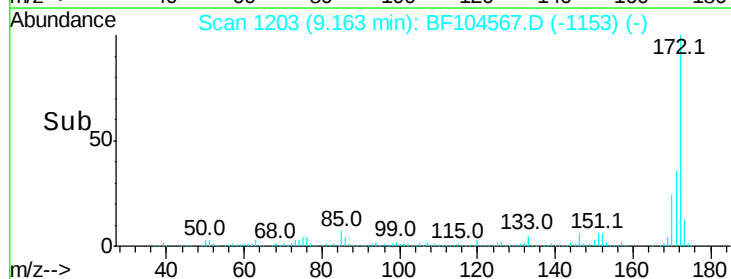
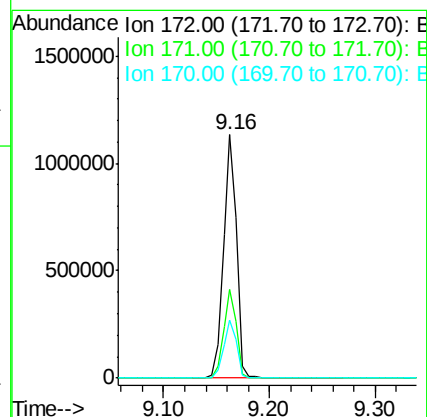
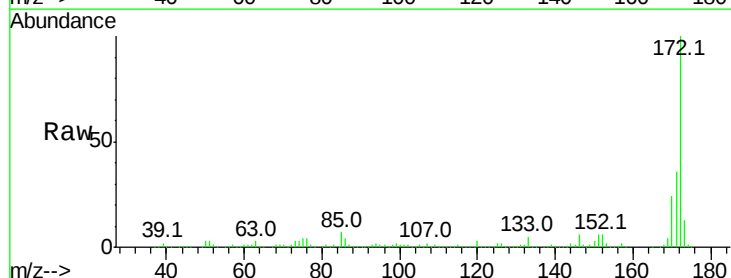
Tgt Ion:172 Resp: 990246

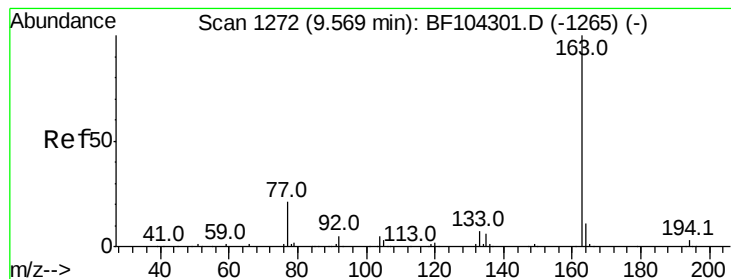
Ion Ratio Lower Upper

172 100

171 36.3 29.7 44.5

170 24.0 19.6 29.4





#49

Dimethylphthalate

Concen: 6.383 ng

RT: 9.56 min Scan# 1270

Delta R.T. -0.01 min

Lab File: BF104567.D

Acq: 17 Apr 2018 17:57

Instrument :

BNA_F

ClientSampleId :

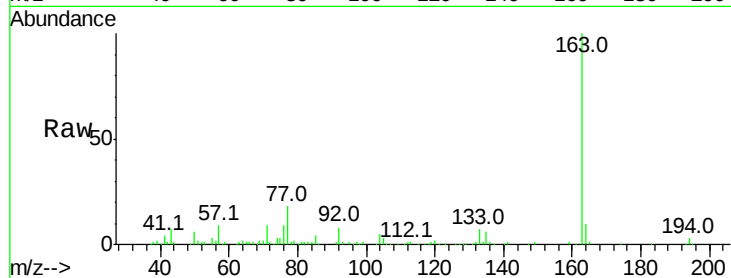
Tot Ion:163 Resp: 121393

Ion Ratio Lower Upper

163 100

194 3.4 2.7 4.1

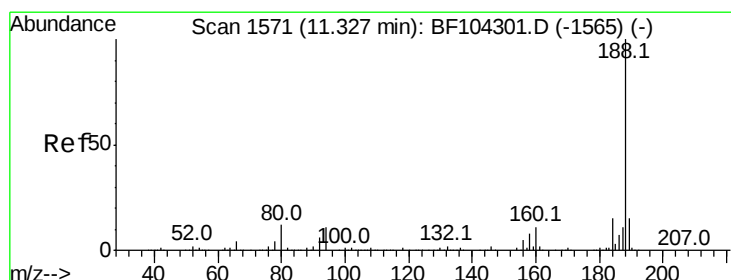
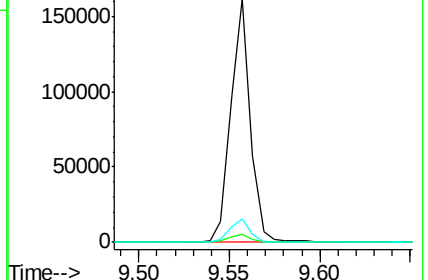
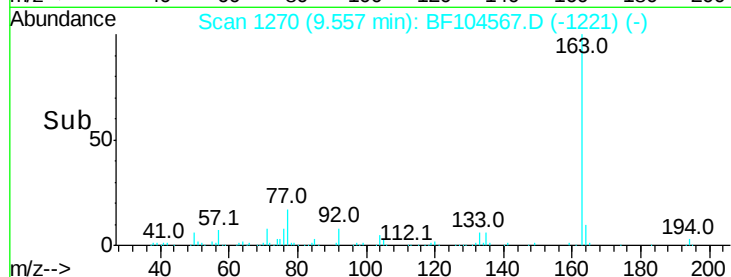
164 9.7 8.2 12.2



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



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1572

Delta R.T. 0.00 min

Lab File: BF104567.D

Acq: 17 Apr 2018 17:57

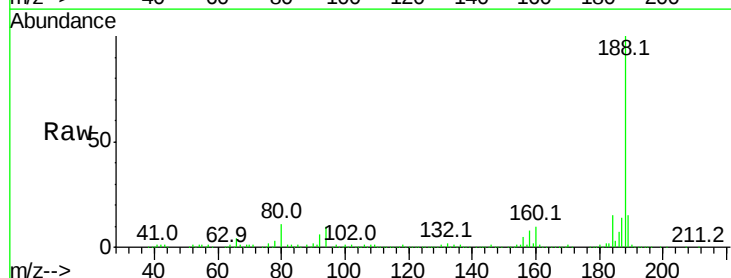
Tgt Ion:188 Resp: 393021

Ion Ratio Lower Upper

188 100

94 9.6 8.5 12.7

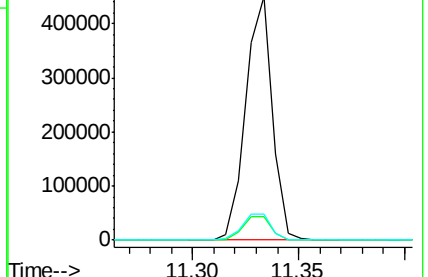
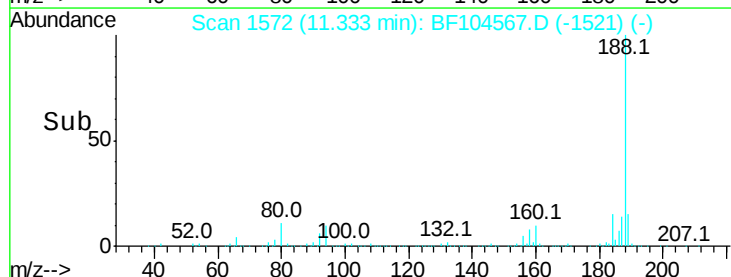
80 10.8 9.2 13.8

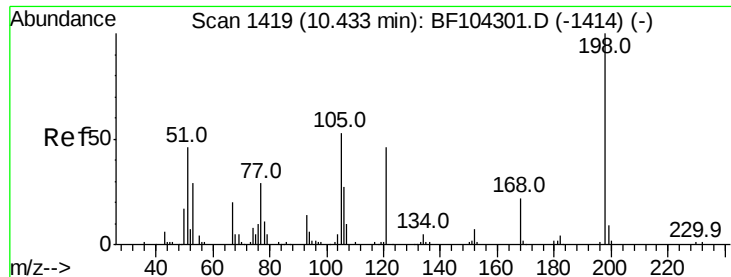


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#64

4,6-Dinitro-2-methylphenol

Concen: 7.417 ng

RT: 10.66 min Scan# 1457

Delta R.T. 0.21 min

Lab File: BF104567.D

Acq: 17 Apr 2018 17:57

Instrument :

BNA_F

ClientSampled :

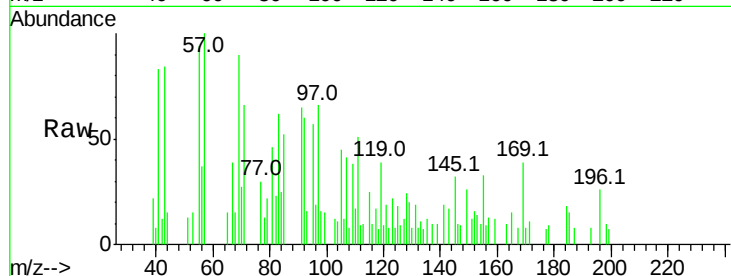
Tot Ion:198 Resp: 158

Ion Ratio Lower Upper

198 100

51 129.3 37.7 77.7#

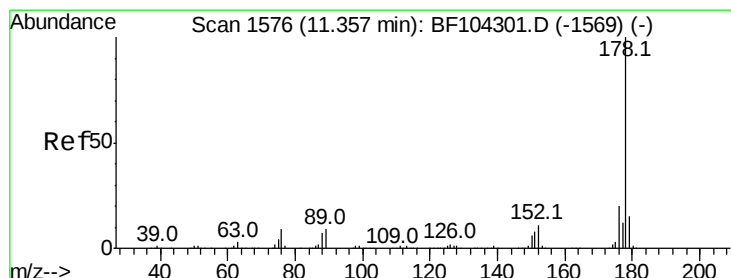
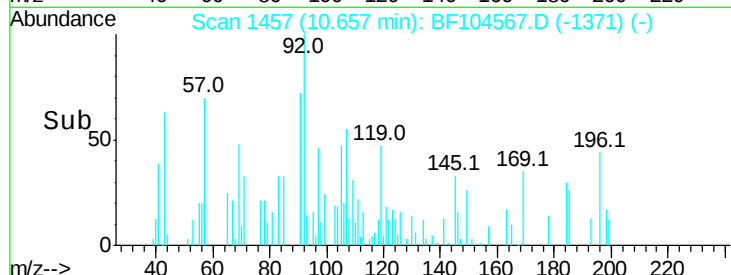
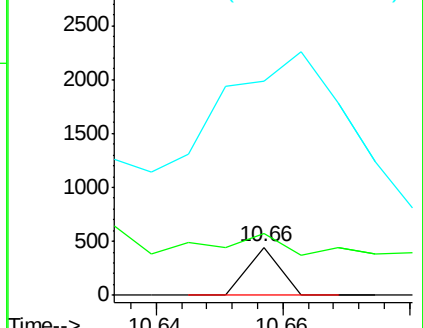
105 444.1 36.3 76.3#



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



#70

Phenanthrene

Concen: 6.099 ng

RT: 11.36 min Scan# 1576

Delta R.T. -0.01 min

Lab File: BF104567.D

Acq: 17 Apr 2018 17:57

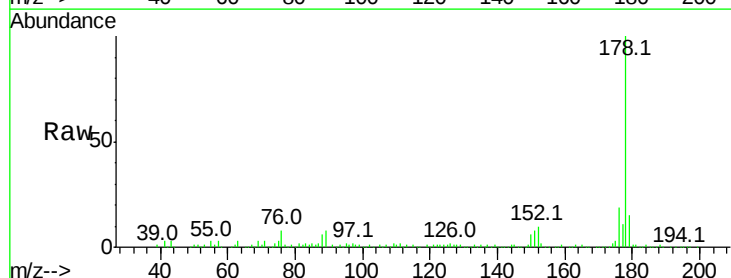
Tgt Ion:178 Resp: 133495

Ion Ratio Lower Upper

178 100

176 18.9 15.8 23.8

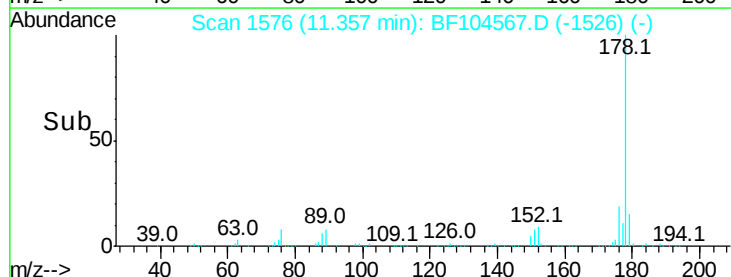
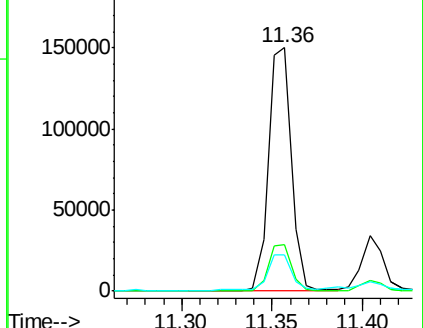
179 15.1 13.0 19.6

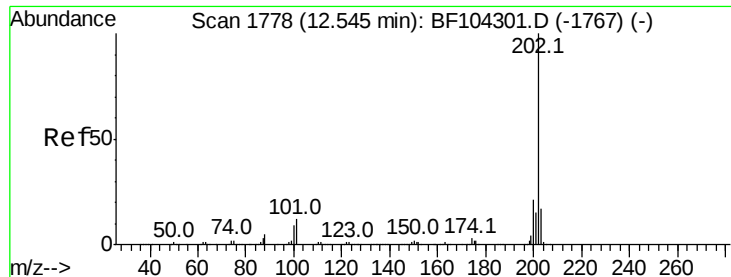


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 6.595 ng

RT: 12.55 min Scan# 1778

Delta R.T. -0.01 min

Lab File: BF104567.D

Acq: 17 Apr 2018 17:57

Instrument :

BNA_F

ClientSampleId :

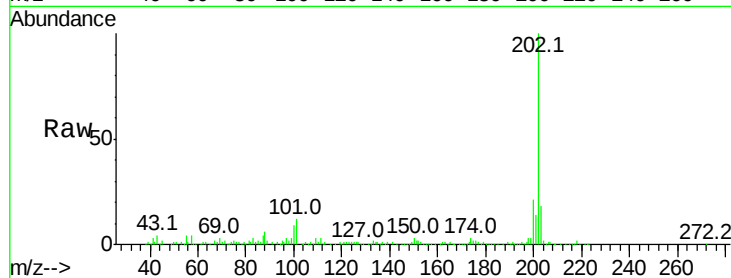
Tot Ion:202 Resp: 150814

Ion Ratio Lower Upper

202 100

101 11.6 0.0 34.1

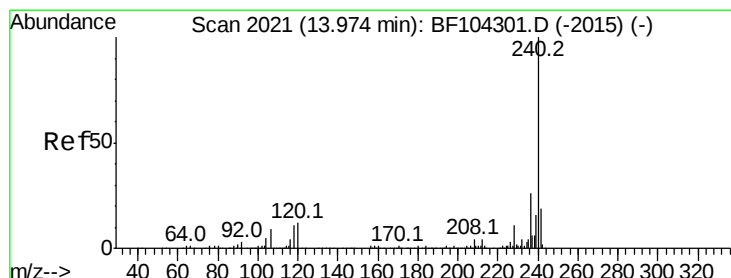
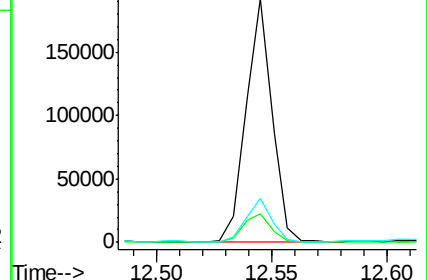
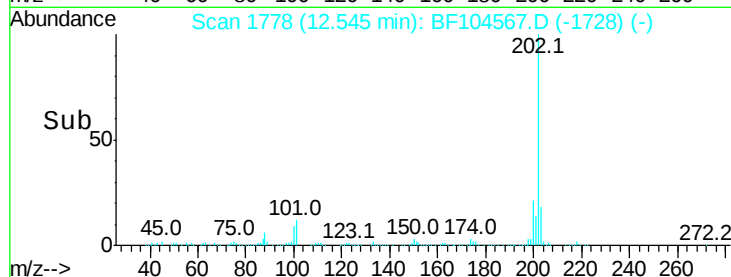
203 17.8 0.0 38.1



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: 20.000 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BF104567.D

Acq: 17 Apr 2018 17:57

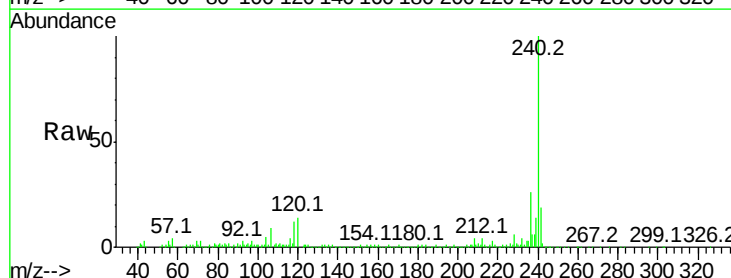
Tgt Ion:240 Resp: 267648

Ion Ratio Lower Upper

240 100

120 13.5 9.5 14.3

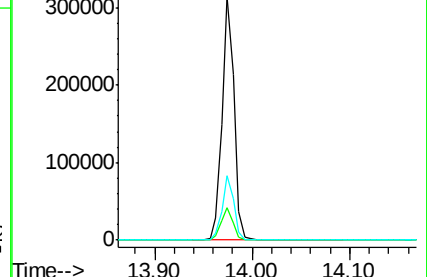
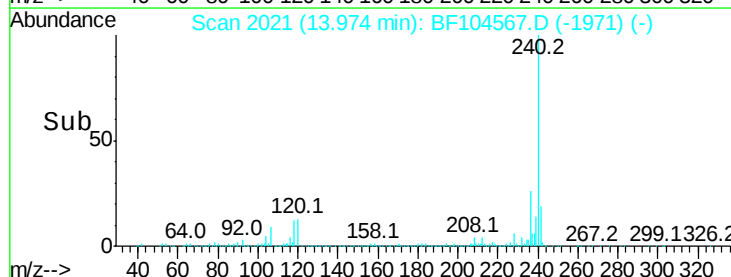
236 26.4 20.7 31.1

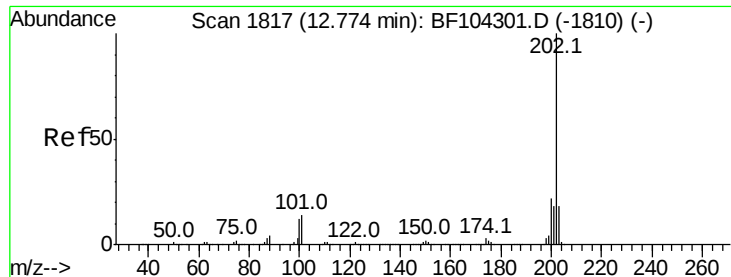


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 6.817 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BF104567.D

Acq: 17 Apr 2018 17:57

Instrument :

BNA_F

ClientSampleId :

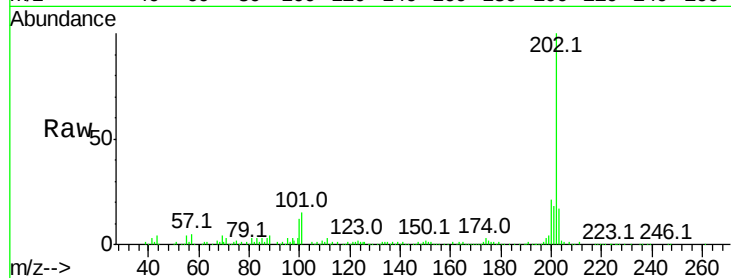
Tot Ion:202 Resp: 135248

Ion Ratio Lower Upper

202 100

200 21.0 17.4 26.2

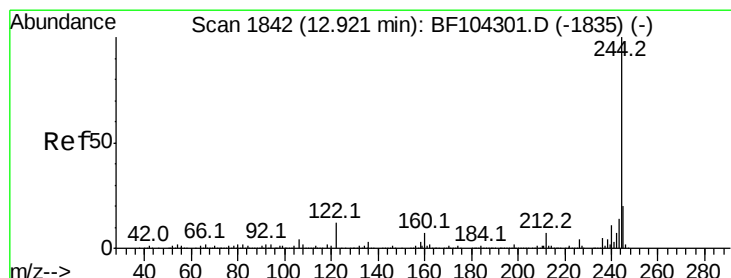
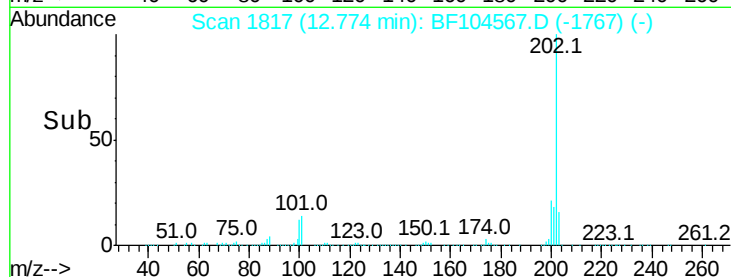
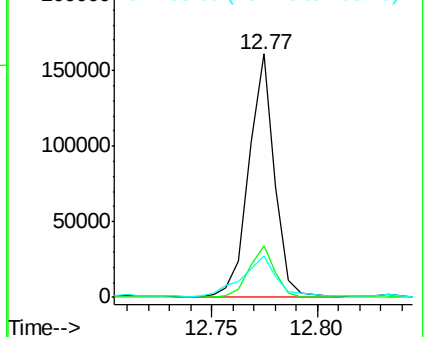
203 17.1 14.3 21.5



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: 66.146 ng

RT: 12.92 min Scan# 1842

Delta R.T. 0.00 min

Lab File: BF104567.D

Acq: 17 Apr 2018 17:57

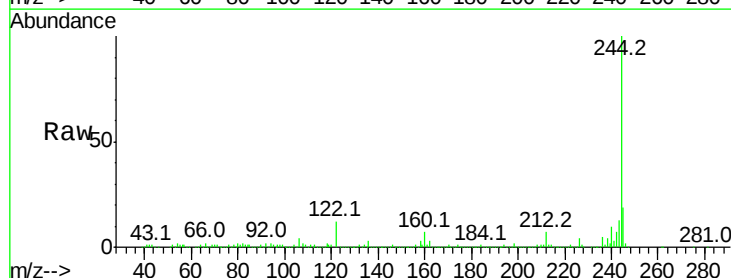
Tgt Ion:244 Resp: 776537

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

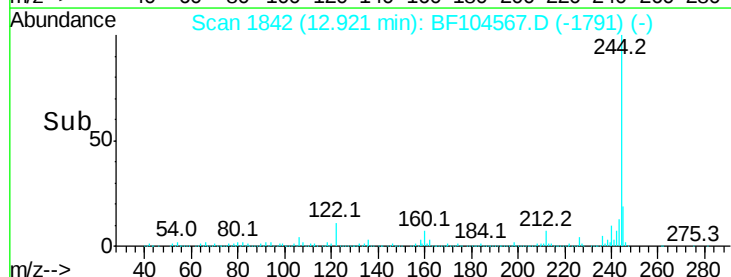
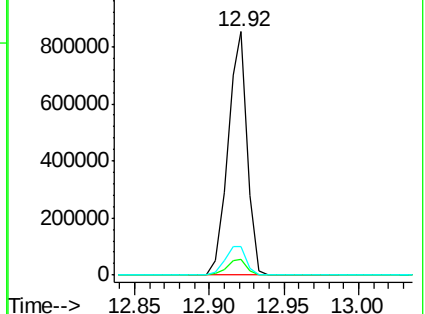
122 11.5 11.0 16.4

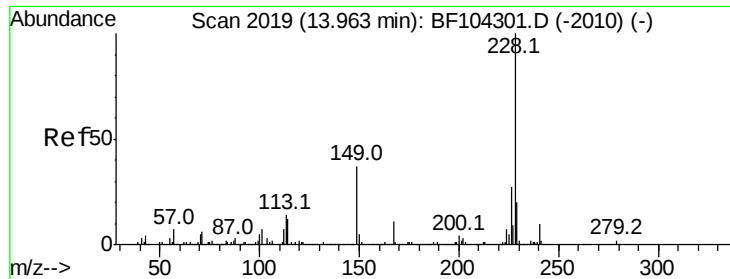


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

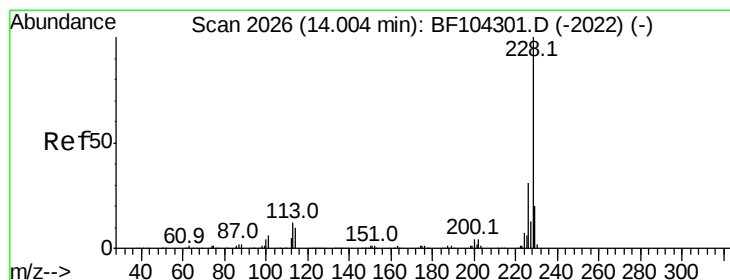
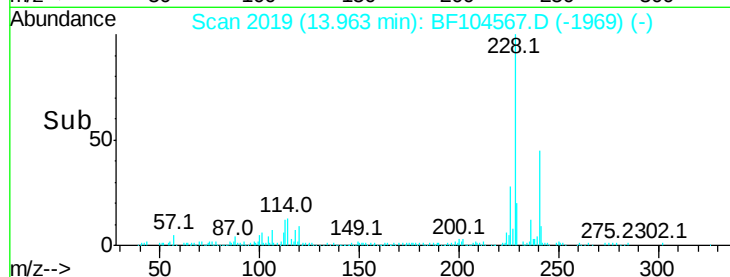
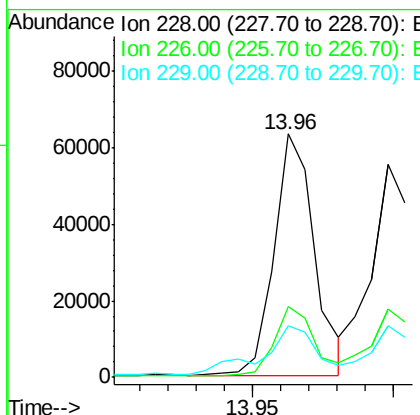
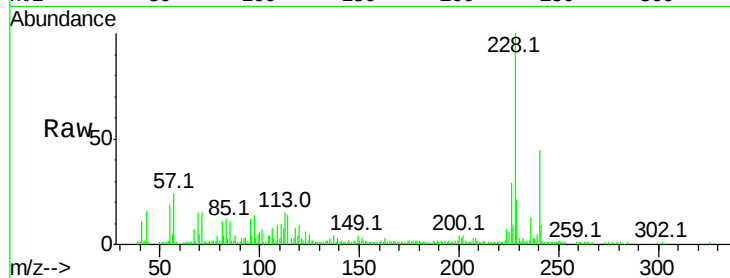




#80
Benzo(a)anthracene
Concen: 3.906 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.01 min
Lab File: BF104567.D
Acq: 17 Apr 2018 17:57

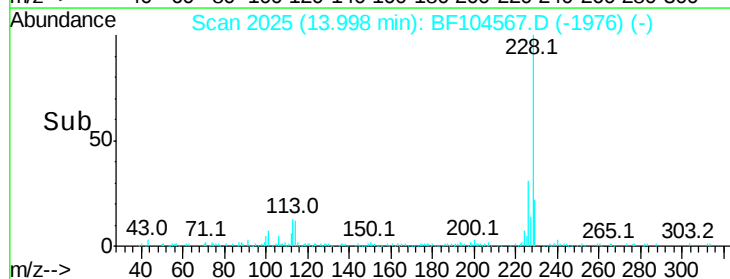
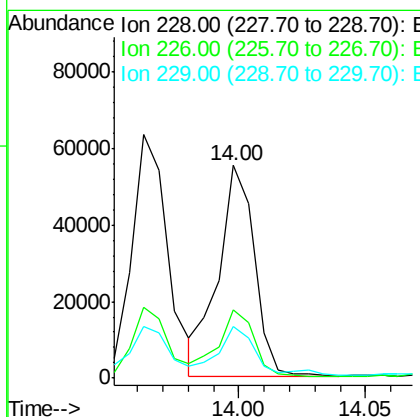
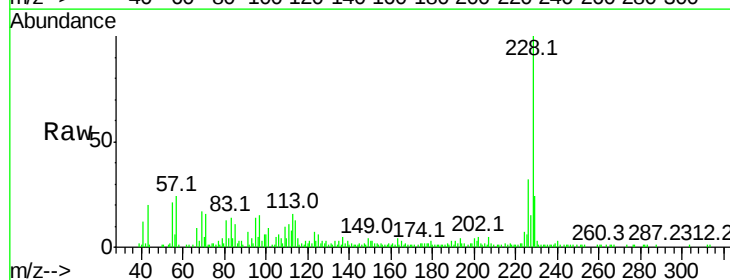
Instrument :
BNA_F
ClientSampleId :

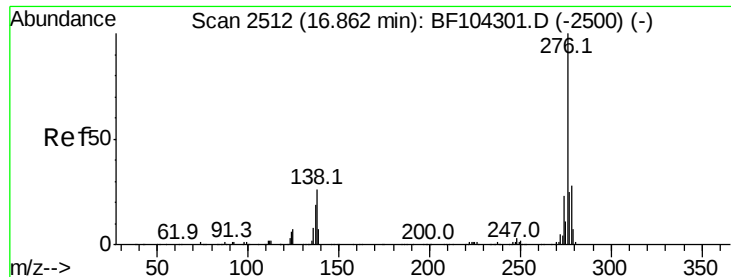
Tot Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.6	33.8
229	21.0	15.8	23.6



#82
Chrysene
Concen: 3.344 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF104567.D
Acq: 17 Apr 2018 17:57

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.9	25.0	37.6
229	24.1	16.2	24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 2.029 ng

RT: 16.89 min Scan# 2516

Delta R.T. -0.01 min

Lab File: BF104567.D

Acq: 17 Apr 2018 17:57

Instrument :

BNA_F

ClientSampleId :

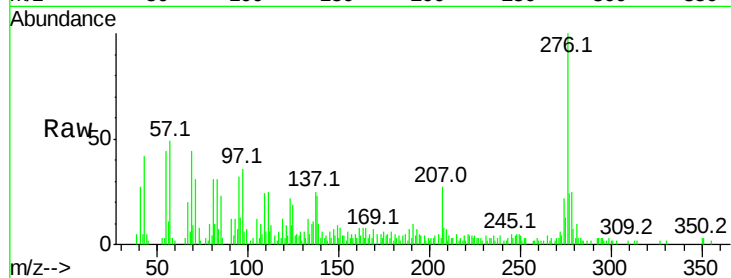
Tot Ion:276 Resp: 28304

Ion Ratio Lower Upper

276 100

138 25.6 25.0 37.6

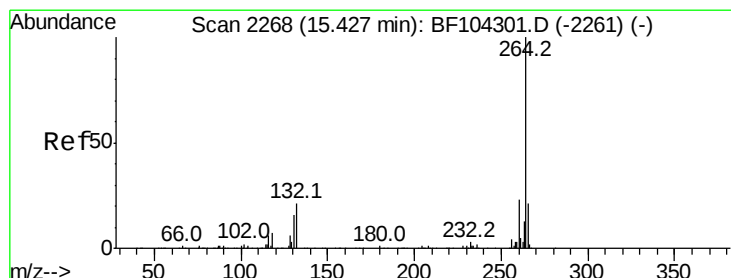
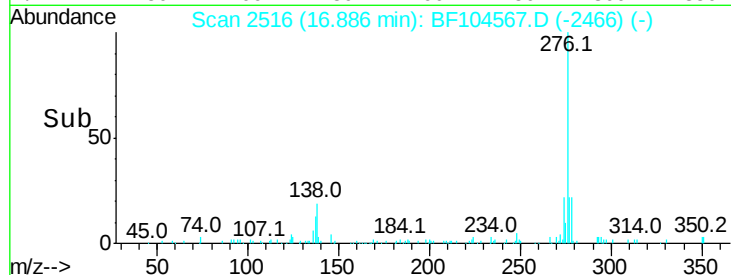
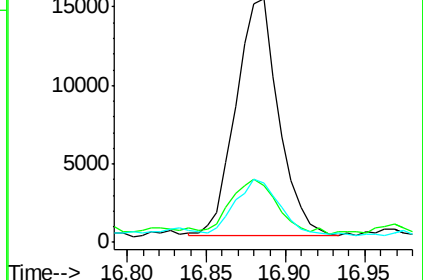
277 25.5 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.44 min Scan# 2270

Delta R.T. 0.00 min

Lab File: BF104567.D

Acq: 17 Apr 2018 17:57

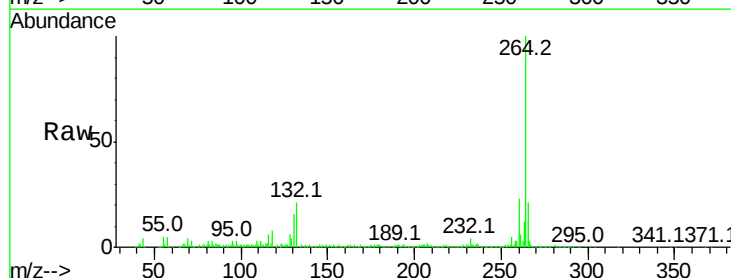
Tgt Ion:264 Resp: 270575

Ion Ratio Lower Upper

264 100

260 22.7 19.2 28.8

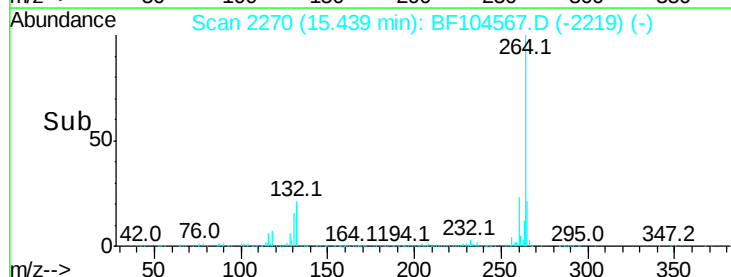
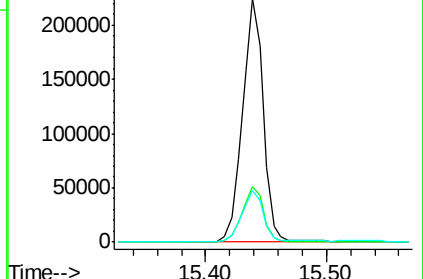
265 21.1 17.5 26.3

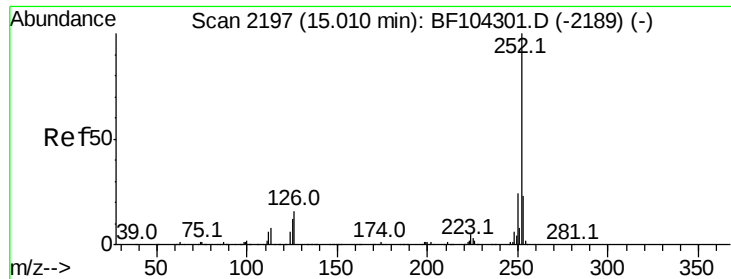


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

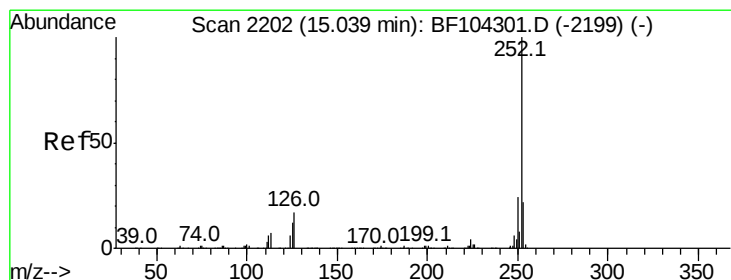
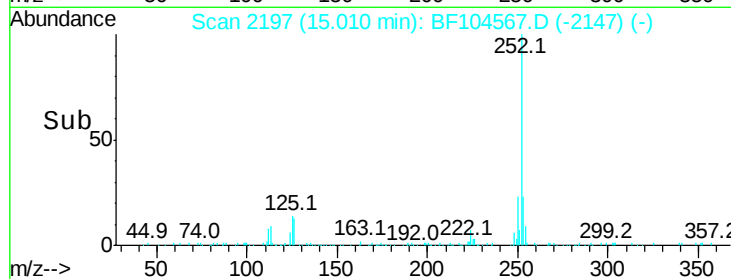
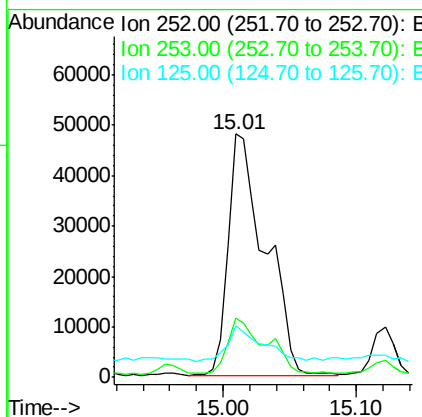
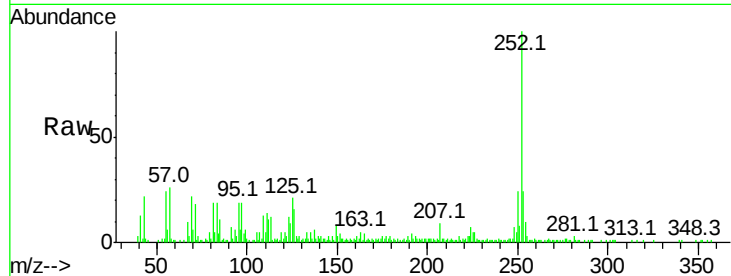




#87
Benzo(b)fluoranthene
Concen: 5.435 ng
RT: 15.01 min Scan# 2197
Delta R.T. -0.01 min
Lab File: BF104567.D
Acq: 17 Apr 2018 17:57

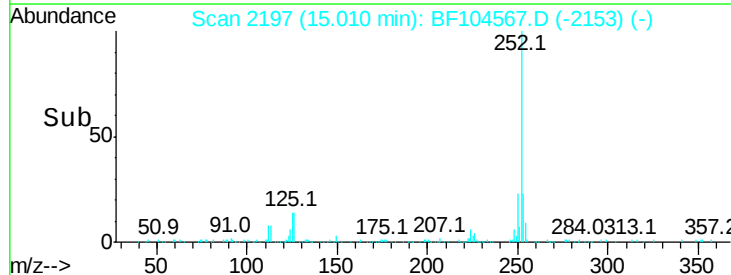
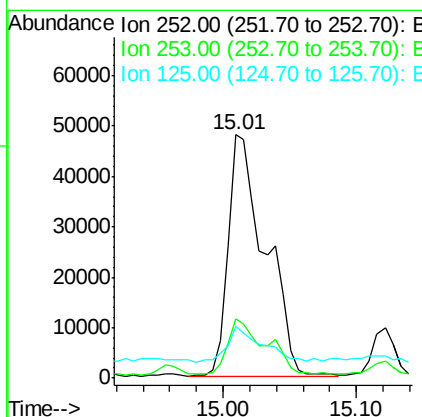
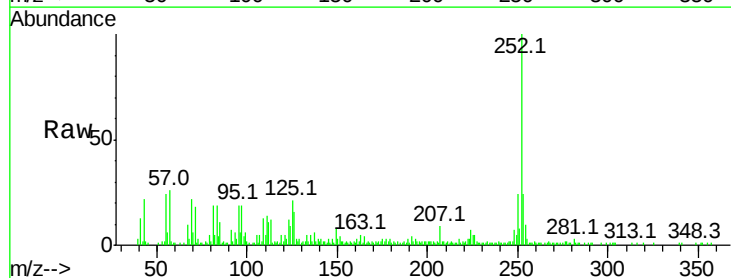
Instrument :
BNA_F
ClientSampleId :

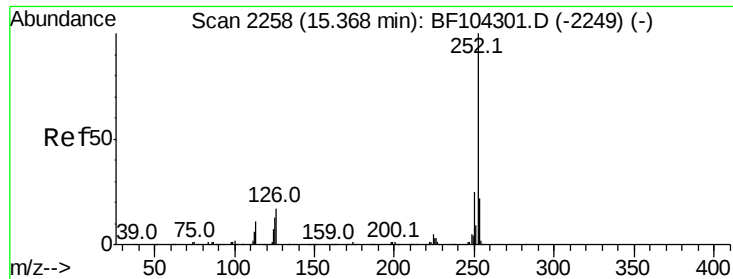
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.0	25.6
125	21.4	9.0	13.6



#88
Benzo(k)fluoranthene
Concen: 5.757 ng
RT: 15.01 min Scan# 2197
Delta R.T. -0.04 min
Lab File: BF104567.D
Acq: 17 Apr 2018 17:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.9	26.9
125	21.4	10.2	15.2





#89

Benzo(a)pyrene

Concen: 3.262 ng

RT: 15.37 min Scan# 2259

Delta R.T. -0.01 min

Lab File: BF104567.D

Acq: 17 Apr 2018 17:57

Instrument :

BNA_F

ClientSampled :

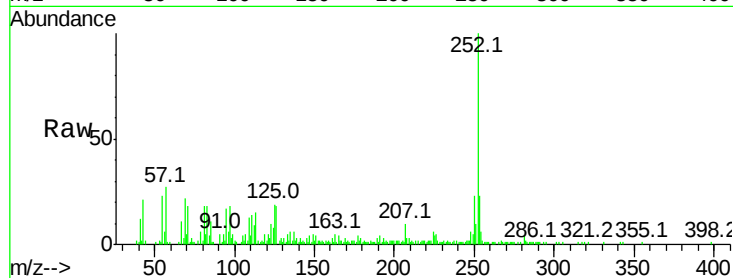
Tot Ion:252 Resp: 49883

Ion Ratio Lower Upper

252 100

253 23.0 17.1 25.7

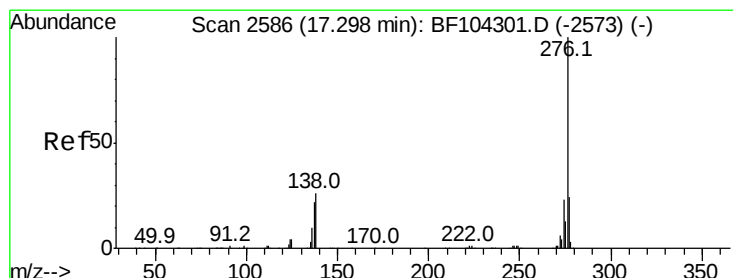
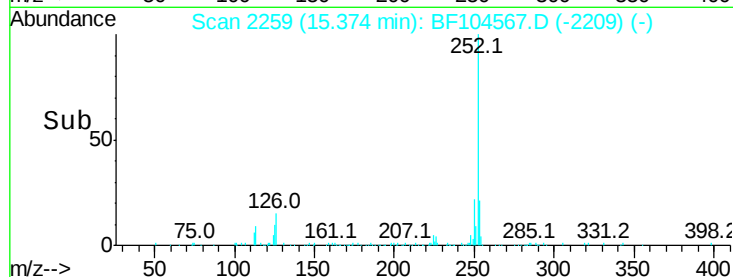
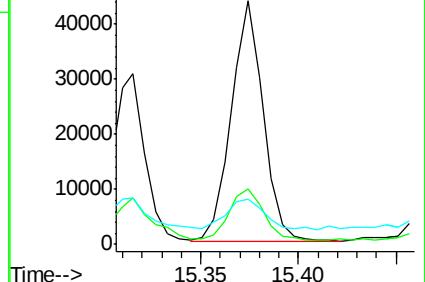
125 18.6 9.8 14.6#



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



#91

Benzo(g,h,i)perylene

Concen: 2.409 ng

RT: 17.32 min Scan# 2590

Delta R.T. -0.01 min

Lab File: BF104567.D

Acq: 17 Apr 2018 17:57

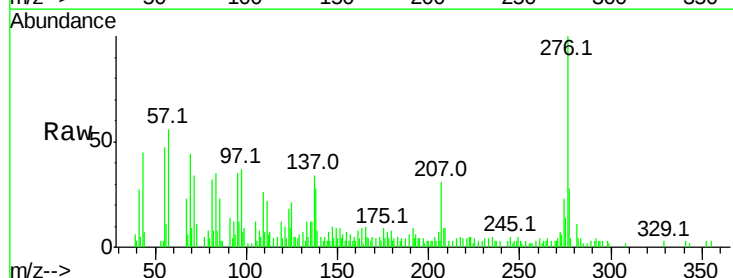
Tgt Ion:276 Resp: 29310

Ion Ratio Lower Upper

276 100

277 27.5 17.9 26.9#

138 27.7 21.8 32.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

