

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022618\
 Data File : BF103227.D
 Acq On : 26 Feb 2018 19:45
 Operator : SJ/JU
 Sample : J1691-21 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 27 00:06:32 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 23 02:43:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	169608	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	685019	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	276220	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	397754	20.00	ng	0.00
75) Chrysene-d12	14.05	240	280111	20.00	ng	0.00
86) Perylene-d12	15.56	264	223119	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	427989	38.16	ng	0.00
7) Phenol-d6	6.50	99	505493	36.84	ng	0.00
23) Nitrobenzene-d5	7.43	82	305941	25.51	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	74493	31.86	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	504647	25.67	ng	0.00
78) Terphenyl-d14	12.98	244	321377	27.58	ng	0.00

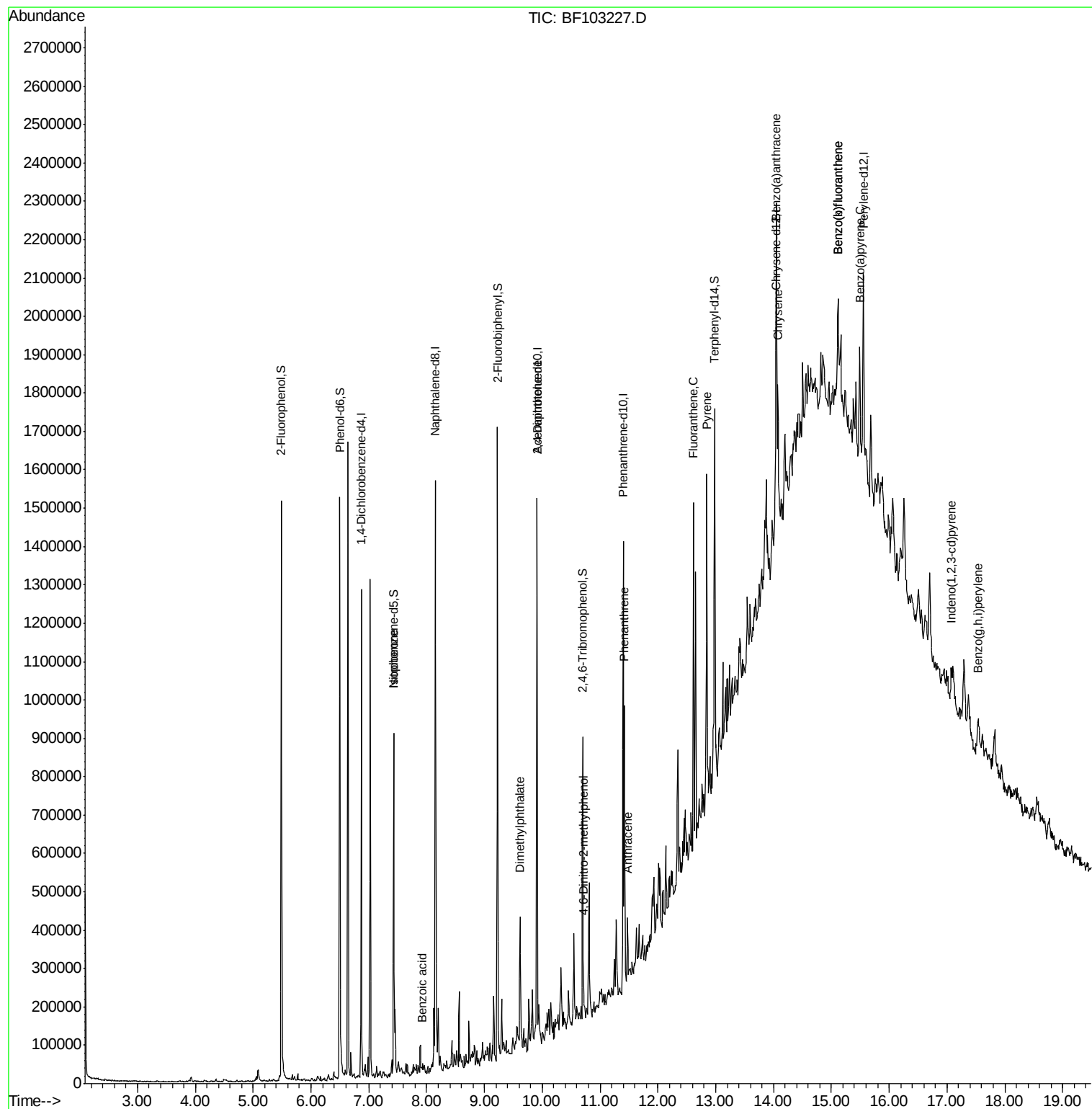
Target Compounds				Qvalue		
9) Benzaldehyde	6.43	77	1665	Below Cal	#	55
25) Isophorone	7.43	82	305941	12.95	ng	# 64
32) Benzoic acid	7.92	122	505	6.98	ng	# 32
49) Dimethylphthalate	9.62	163	51023	2.30	ng	96
56) 2,4-Dinitrotoluene	9.91	165	37762	6.42	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.72	198	400	5.09	ng	# 1
70) Phenanthrene	11.42	178	237359	10.84	ng	99
71) Anthracene	11.47	178	59344	2.64	ng	99
74) Fluoranthene	12.62	202	335618	15.26	ng	98
77) Pyrene	12.84	202	315533	14.45	ng	100
80) Benzo(a)anthracene	14.04	228	169621	9.33	ng	97
82) Chrysene	14.07	228	160837	9.11	ng	96
85) Indeno(1,2,3-cd)pyrene	17.08	276	65202	4.67	ng	95
87) Benzo(b)fluoranthene	15.12	252	235380	16.05	ng	# 74
88) Benzo(k)fluoranthene	15.12	252	235380	17.04	ng	# 77
89) Benzo(a)pyrene	15.49	252	114063	8.71	ng	# 81
91) Benzo(a,h,i)perylene	17.54	276	61796	6.25	ng	# 91

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

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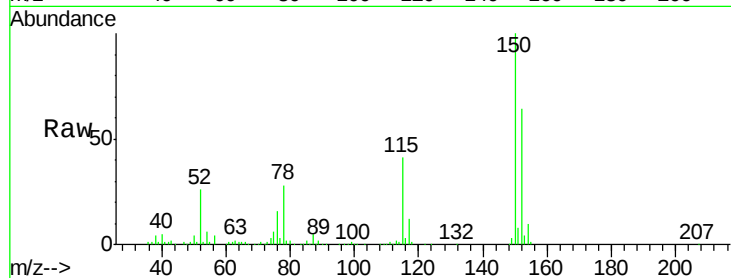


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.00 min
Lab File: BF103227.D
Acq: 26 Feb 2018 19:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.3	124.6	186.8
115	64.0	50.1	75.1

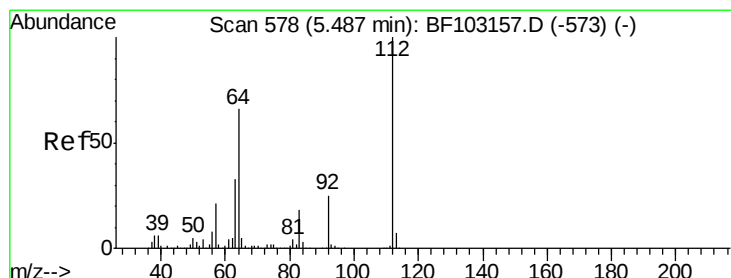
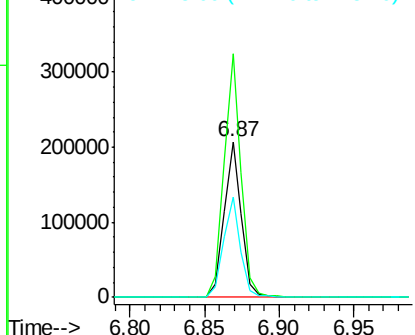
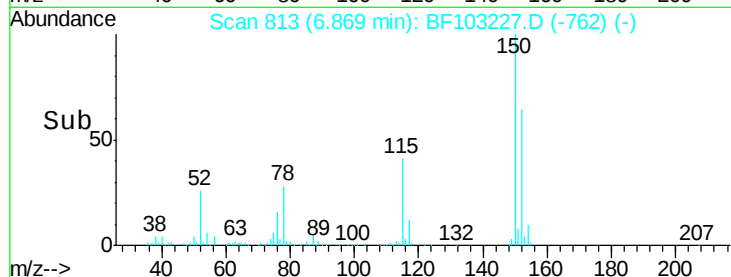


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

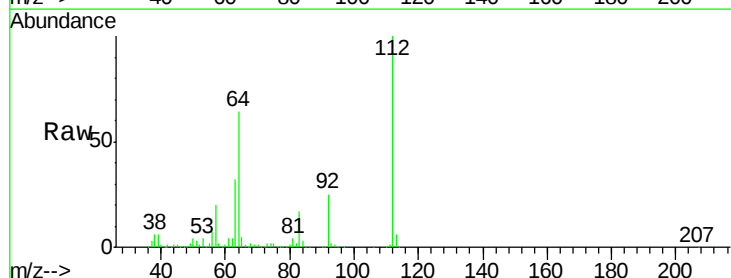
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 38.16 ng
RT: 5.49 min Scan# 578
Delta R.T. -0.00 min
Lab File: BF103227.D
Acq: 26 Feb 2018 19:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.6	47.9	71.9
63	31.6	23.7	35.5

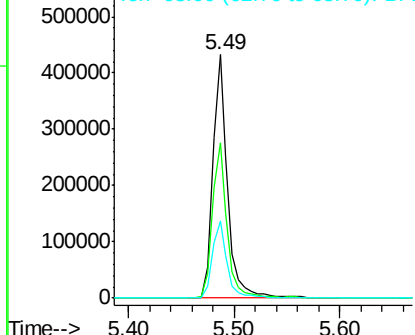
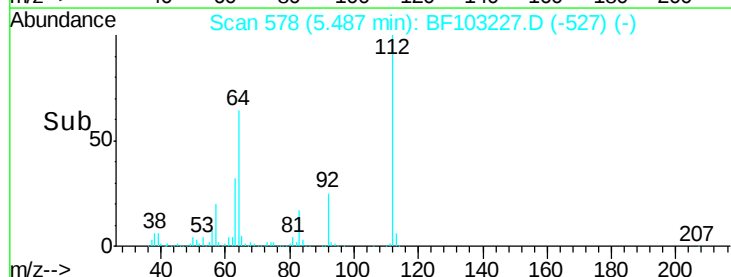


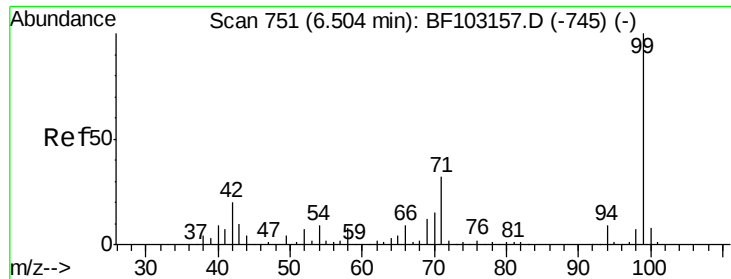
Abundance

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: 36.84 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF103227.D

Acq: 26 Feb 2018 19:45

Instrument :

BNA_F

ClientSampleId :

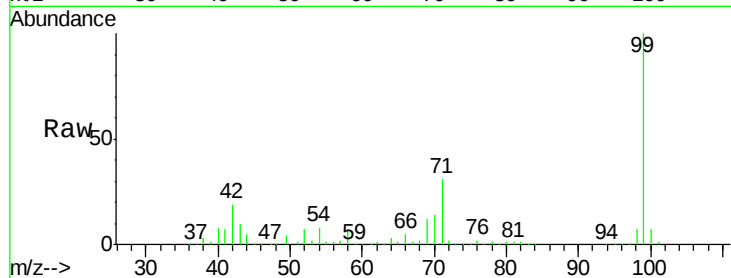
Tot Ion: 99 Resp: 505493

Ion Ratio Lower Upper

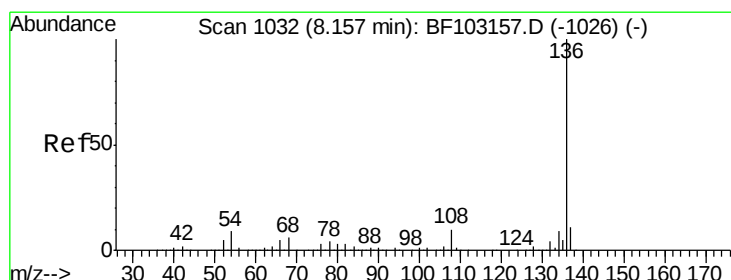
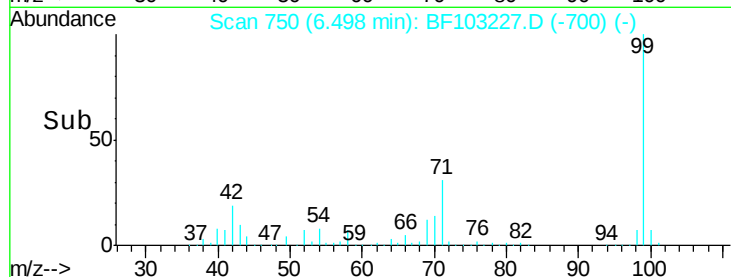
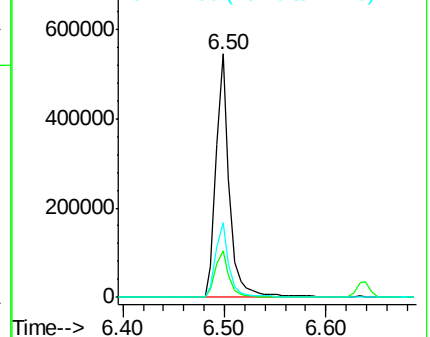
99 100

42 19.3 14.5 21.7

71 30.8 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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.15 min Scan# 1031

Delta R.T. -0.01 min

Lab File: BF103227.D

Acq: 26 Feb 2018 19:45

Tgt Ion: 136 Resp: 685019

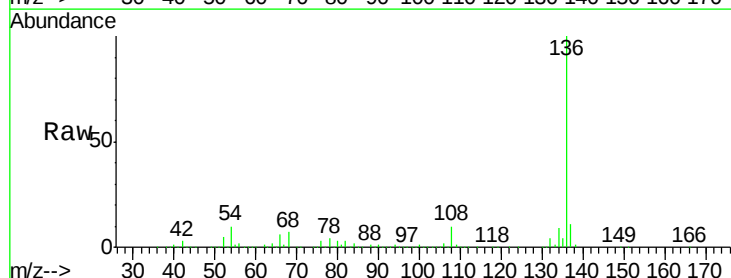
Ion Ratio Lower Upper

136 100

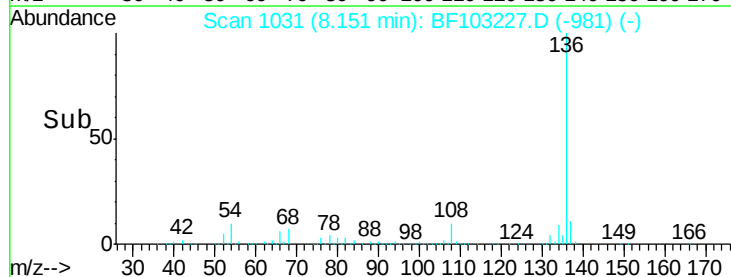
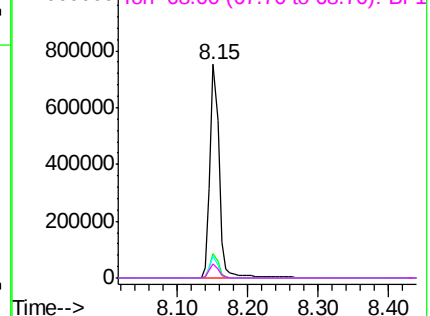
137 11.1 8.9 13.3

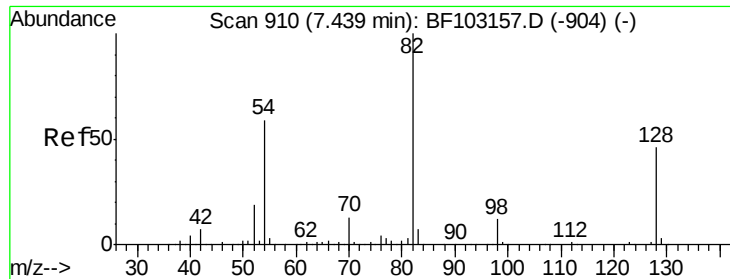
54 10.2 6.6 9.8#

68 6.6 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

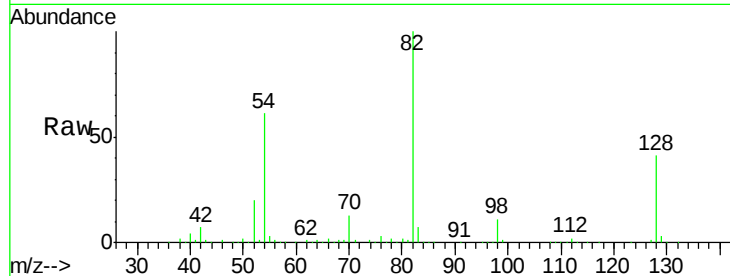




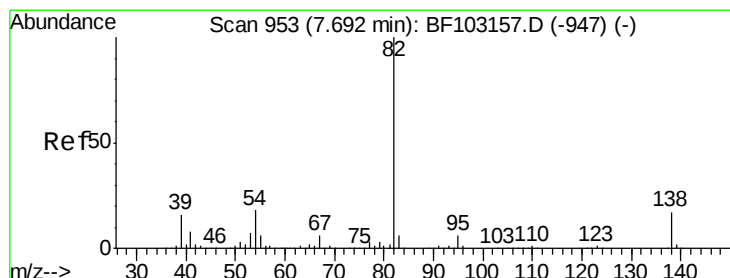
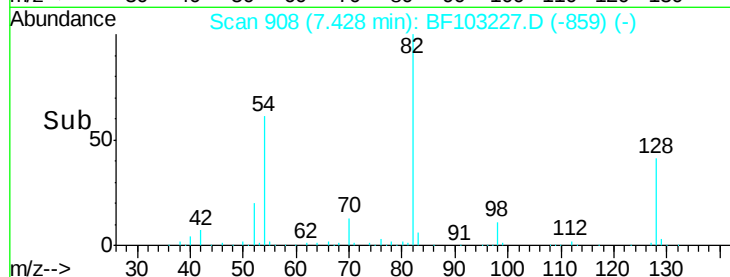
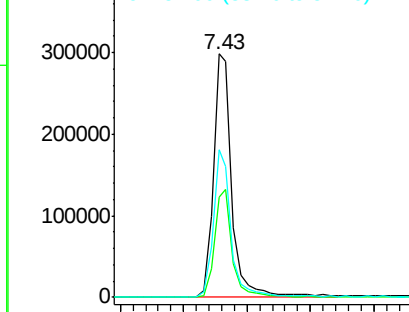
#23
 Nitrobenzene-d5
 Concen: 25.51 ng
 RT: 7.43 min Scan# 908
 Delta R.T. -0.01 min
 Lab File: BF103227.D
 Acq: 26 Feb 2018 19:45

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 82 Resp: 305941
 Ion Ratio Lower Upper
 82 100
 128 41.4 36.1 54.1
 54 60.8 41.4 62.2

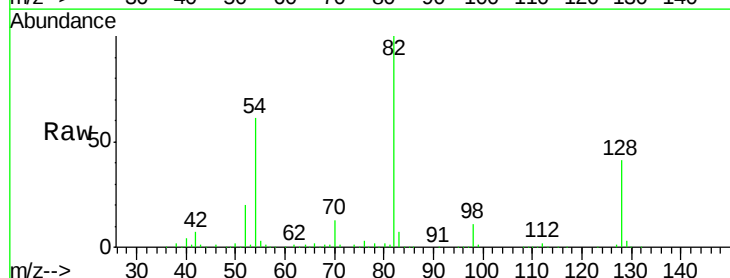


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

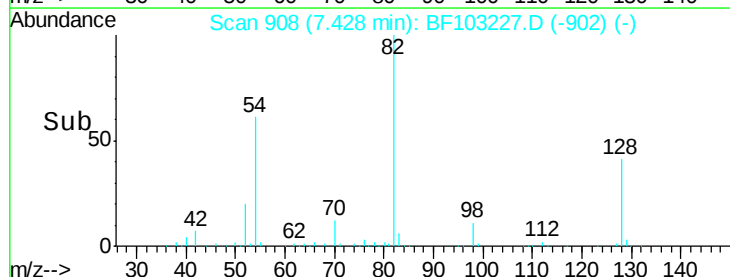
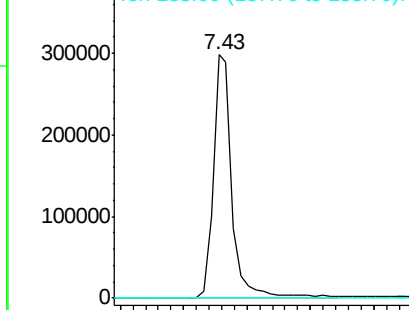


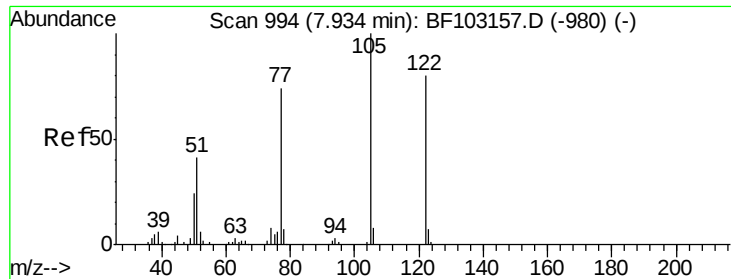
#25
 Isophorone
 Concen: 12.95 ng
 RT: 7.43 min Scan# 908
 Delta R.T. -0.26 min
 Lab File: BF103227.D
 Acq: 26 Feb 2018 19:45

Tgt Ion: 82 Resp: 305941
 Ion Ratio Lower Upper
 82 100
 95 0.2 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

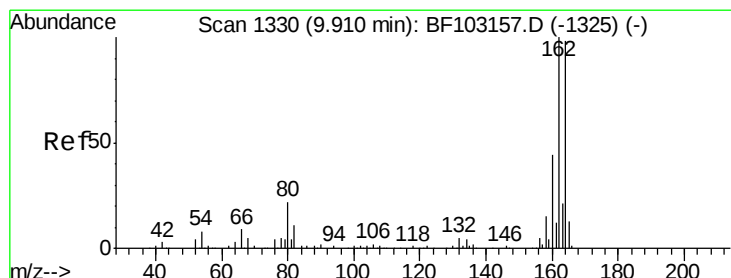
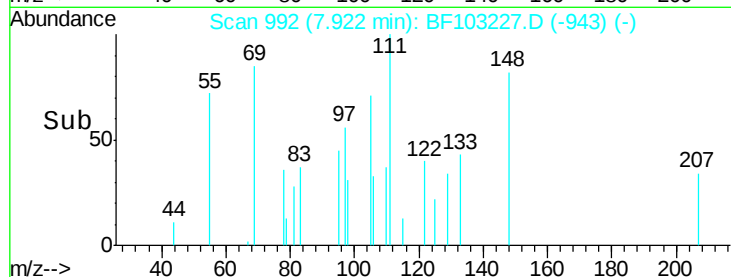
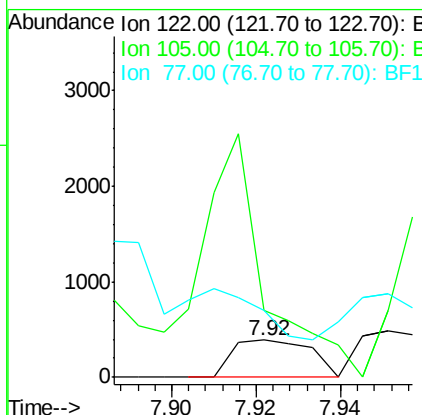
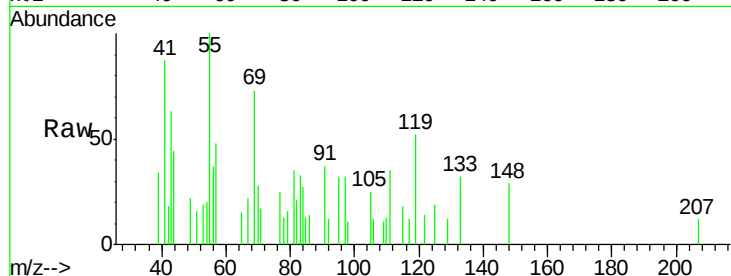




#32
Benzoic acid
Concen: 6.98 ng
RT: 7.92 min Scan# 992
Delta R.T. -0.01 min
Lab File: BF103227.D
Acq: 26 Feb 2018 19:45

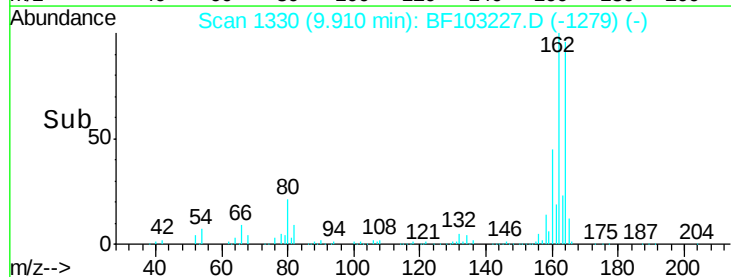
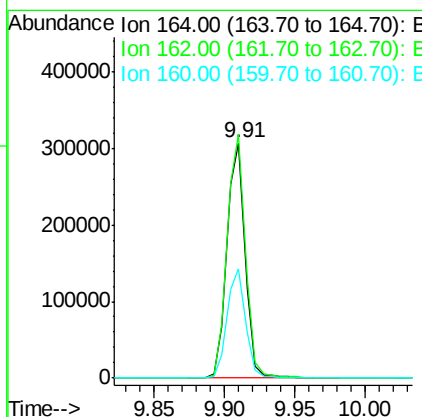
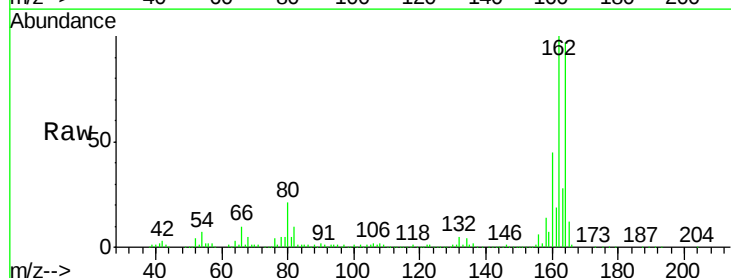
Instrument :
BNA_F
ClientSampled :

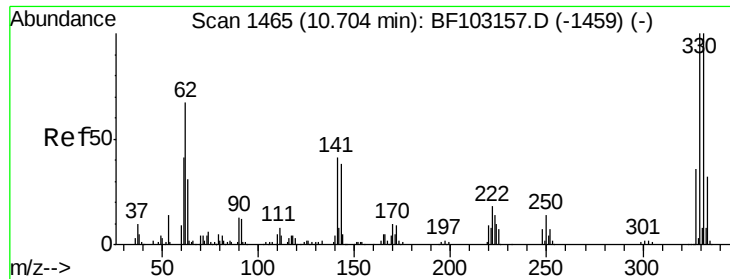
Tot Ion:122 Resp: 505
Ion Ratio Lower Upper
122 100
105 177.3 101.1 141.1#
77 177.3 70.7 110.7#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.00 min
Lab File: BF103227.D
Acq: 26 Feb 2018 19:45

Tgt Ion:164 Resp: 276220
Ion Ratio Lower Upper
164 100
162 103.6 86.1 129.1
160 46.5 38.3 57.5

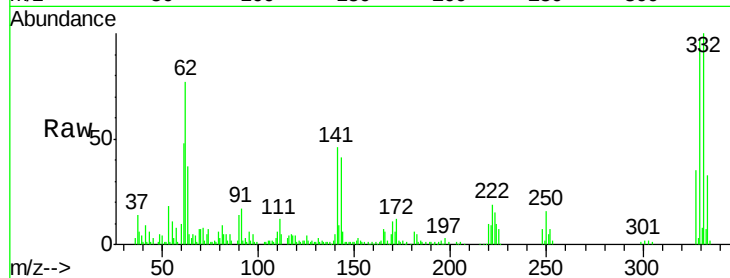




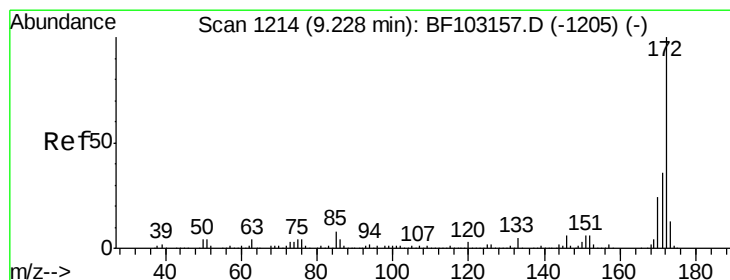
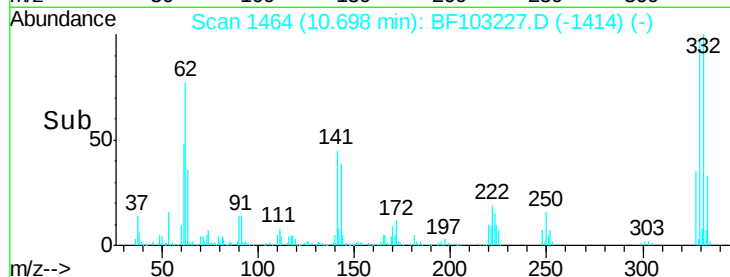
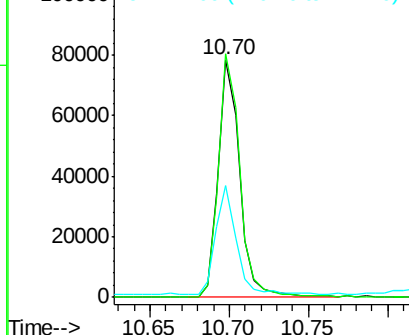
#41
 2,4,6-Tribromophenol
 Concen: 31.86 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.01 min
 Lab File: BF103227.D
 Acq: 26 Feb 2018 19:45

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 74493
 Ion Ratio Lower Upper
 330 100
 332 101.1 77.0 115.6
 141 44.0 29.9 44.9

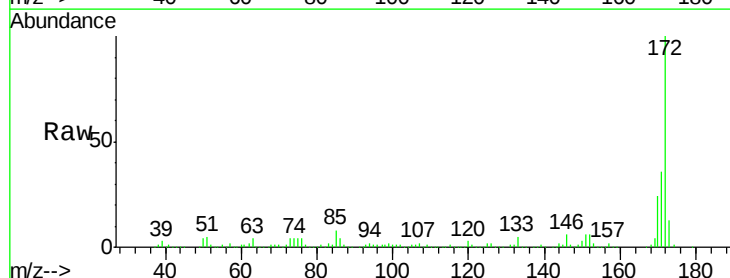


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

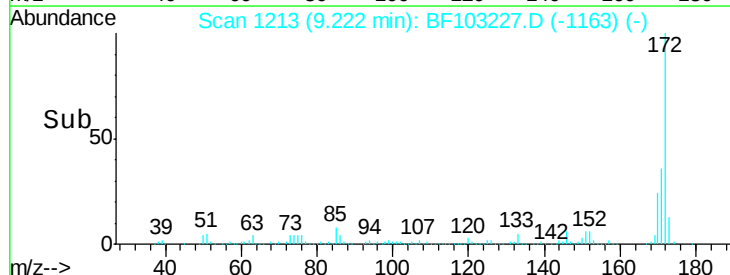
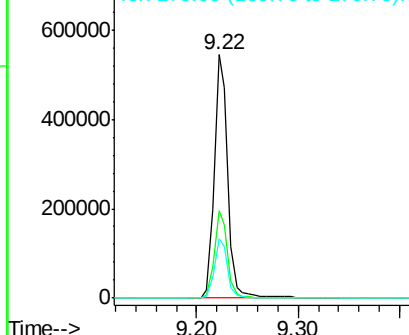


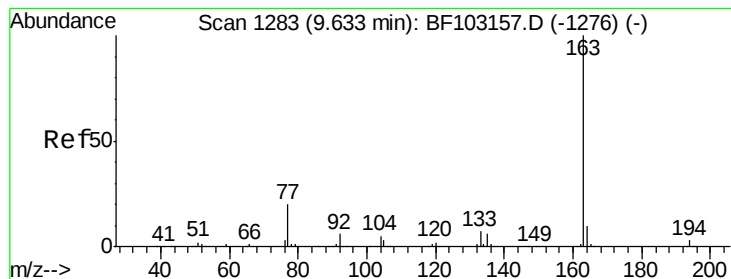
#44
 2-Fluorobiphenyl
 Concen: 25.67 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. -0.01 min
 Lab File: BF103227.D
 Acq: 26 Feb 2018 19:45

Tgt Ion:172 Resp: 504647
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.7 44.5
 170 24.4 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: 2.30 ng

RT: 9.62 min Scan# 1280

Delta R.T. -0.02 min

Lab File: BF103227.D

Acq: 26 Feb 2018 19:45

Instrument :

BNA_F

ClientSampleId :

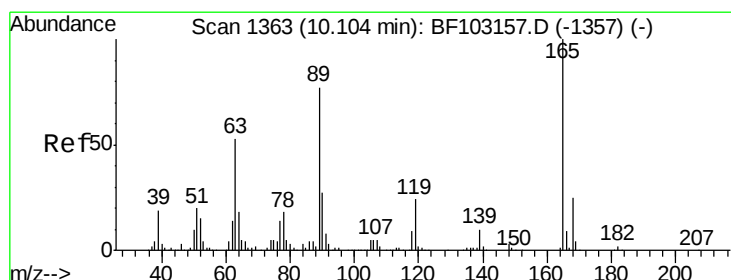
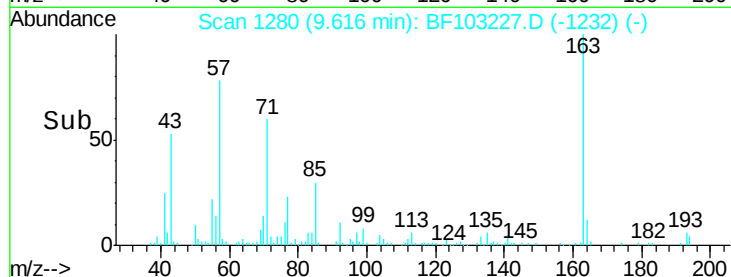
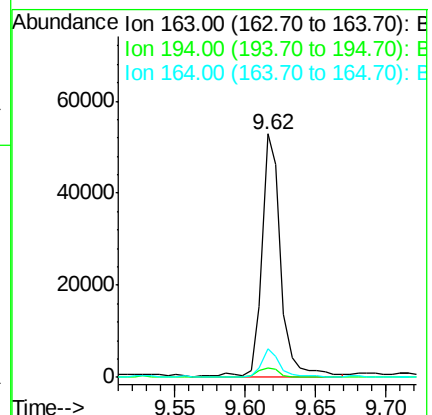
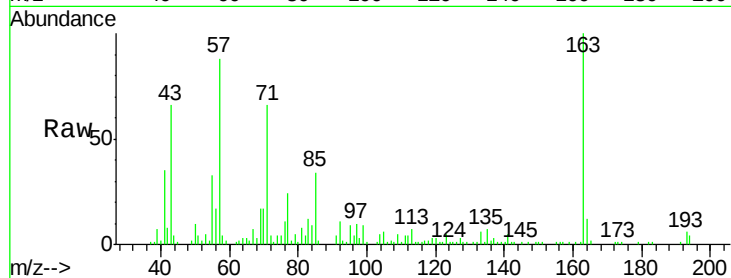
Tot Ion:163 Resp: 51023

Ion Ratio Lower Upper

163 100

194 3.9 2.7 4.1

164 11.9 8.2 12.2



#56

2,4-Dinitrotoluene

Concen: 6.42 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.19 min

Lab File: BF103227.D

Acq: 26 Feb 2018 19:45

Tgt Ion:165 Resp: 37762

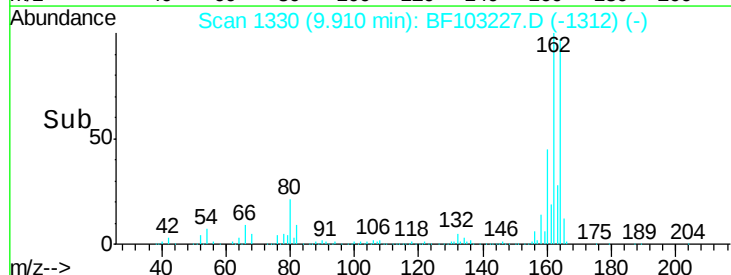
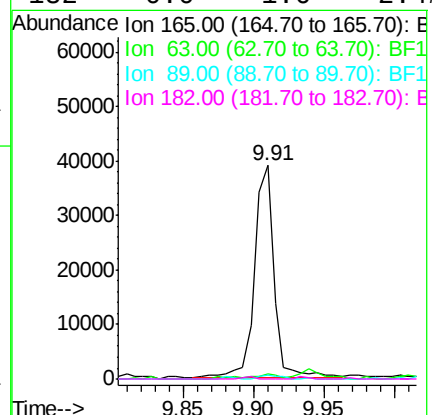
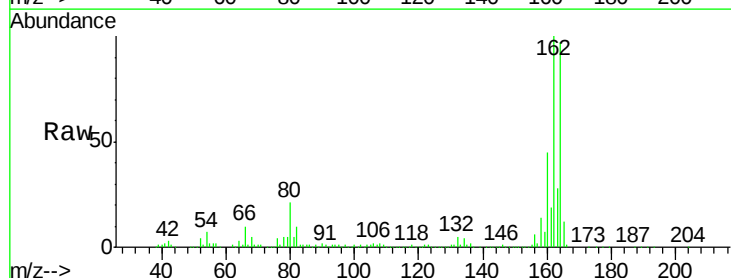
Ion Ratio Lower Upper

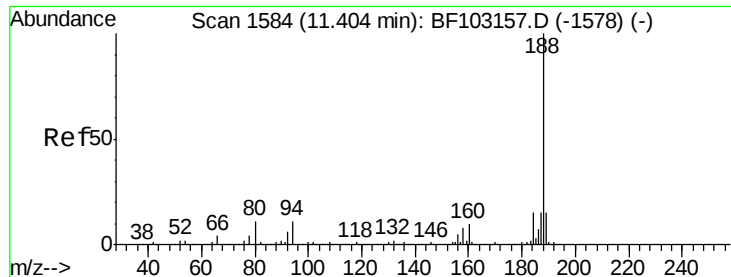
165 100

63 2.2 36.4 54.6#

89 1.6 57.8 86.6#

182 0.0 1.6 2.4#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BF103227.D

Acq: 26 Feb 2018 19:45

Instrument :

BNA_F

ClientSampleId :

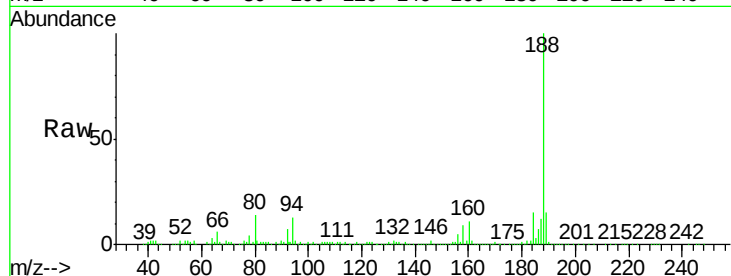
Tot Ion:188 Resp: 397754

Ion Ratio Lower Upper

188 100

94 13.0 8.5 12.7#

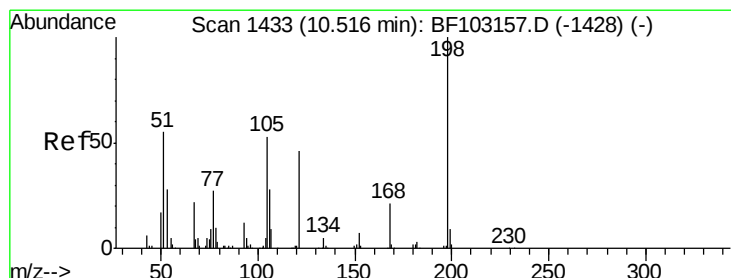
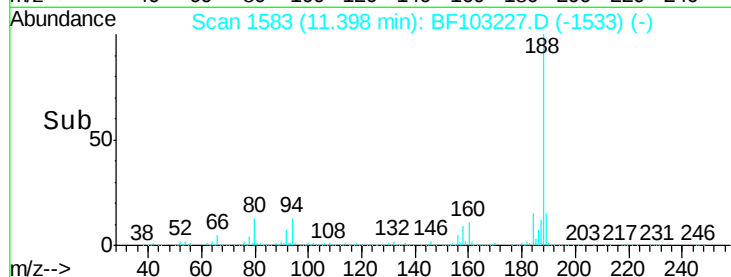
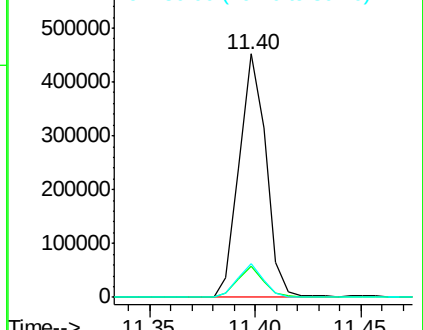
80 13.7 9.2 13.8



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: 5.09 ng

RT: 10.72 min Scan# 1467

Delta R.T. 0.20 min

Lab File: BF103227.D

Acq: 26 Feb 2018 19:45

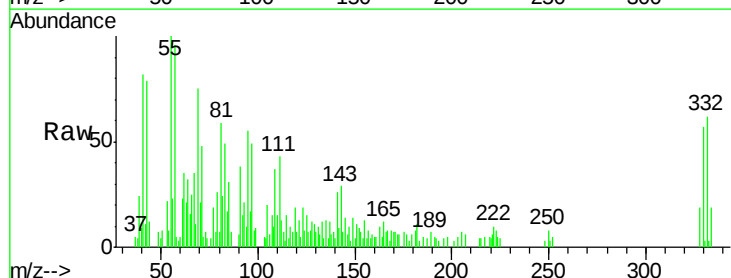
Tgt Ion:198 Resp: 400

Ion Ratio Lower Upper

198 100

51 175.7 37.7 77.7#

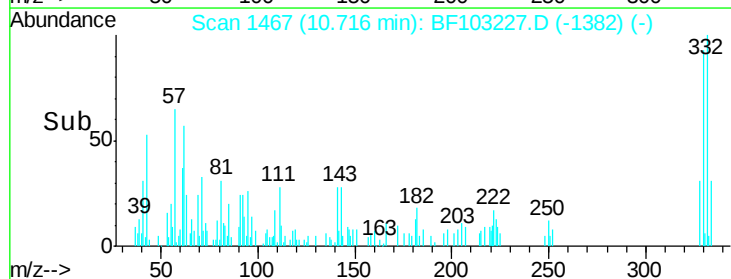
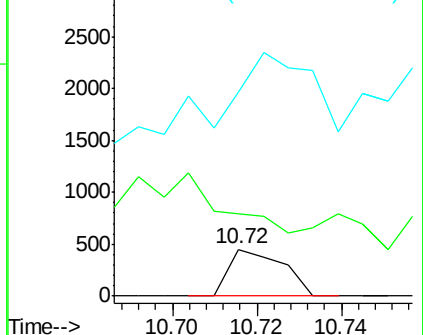
105 433.3 36.3 76.3#

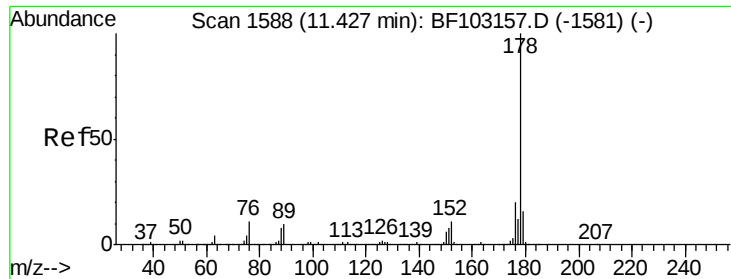


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E





#70

Phenanthrene

Concen: 10.84 ng

RT: 11.42 min Scan# 1587

Delta R.T. -0.01 min

Lab File: BF103227.D

Acq: 26 Feb 2018 19:45

Instrument :

BNA_F

ClientSampleId :

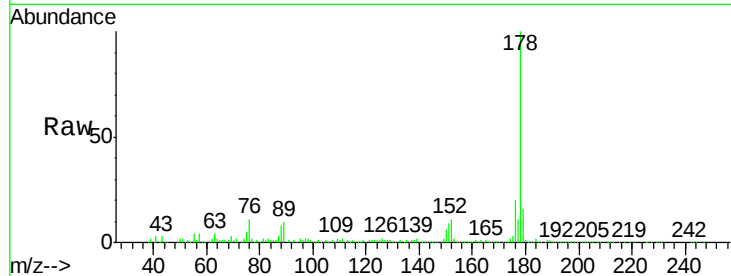
Tot Ion:178 Resp: 237359

Ion Ratio Lower Upper

178 100

176 20.3 15.8 23.8

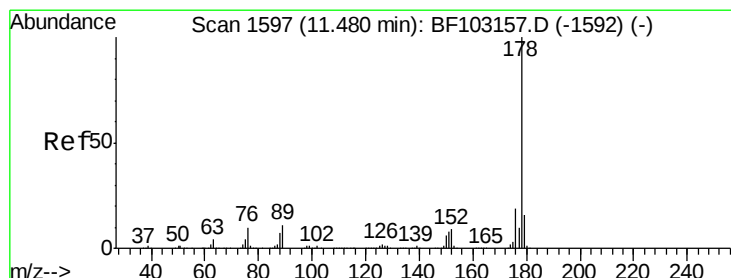
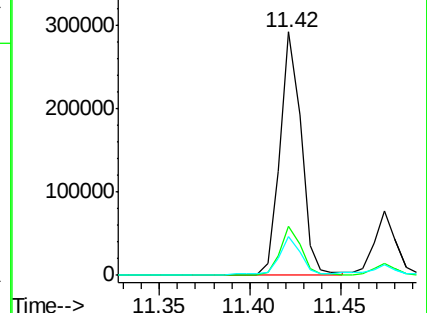
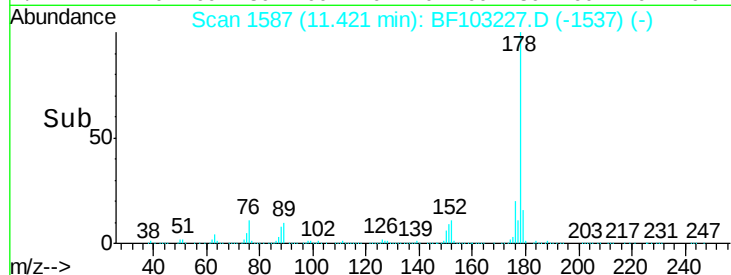
179 15.9 13.0 19.6



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: 2.64 ng

RT: 11.47 min Scan# 1596

Delta R.T. -0.01 min

Lab File: BF103227.D

Acq: 26 Feb 2018 19:45

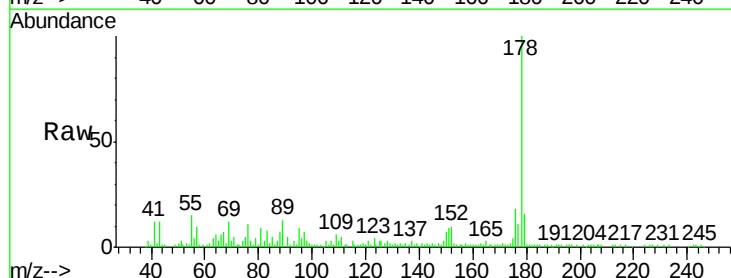
Tgt Ion:178 Resp: 59344

Ion Ratio Lower Upper

178 100

176 18.2 15.4 23.2

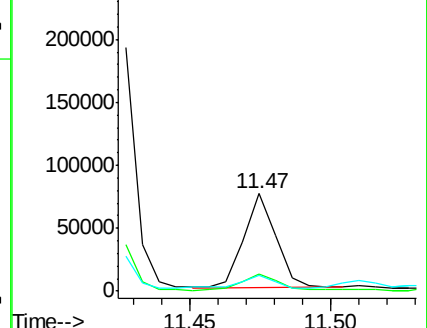
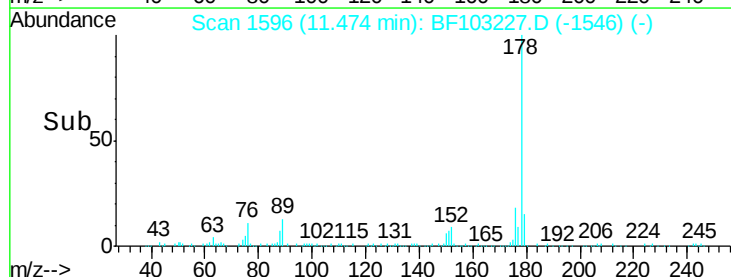
179 15.8 12.6 19.0

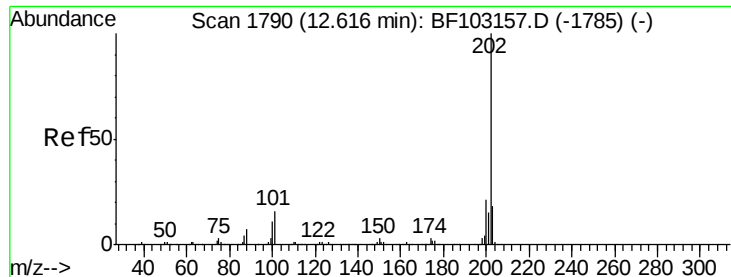


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 15.26 ng

RT: 12.62 min Scan# 1790

Delta R.T. -0.00 min

Lab File: BF103227.D

Acq: 26 Feb 2018 19:45

Instrument :

BNA_F

ClientSampled :

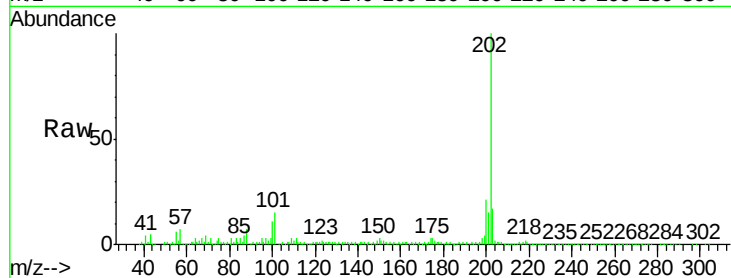
Tot Ion:202 Resp: 335618

Ion Ratio Lower Upper

202 100

101 14.6 0.0 34.1

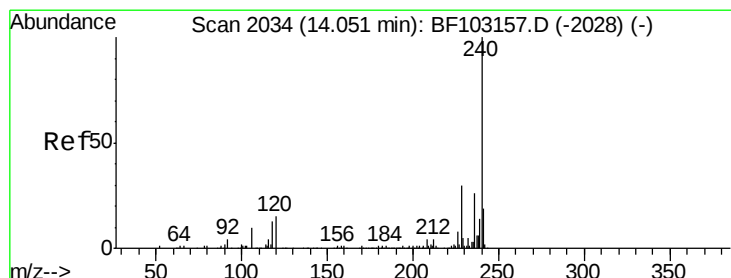
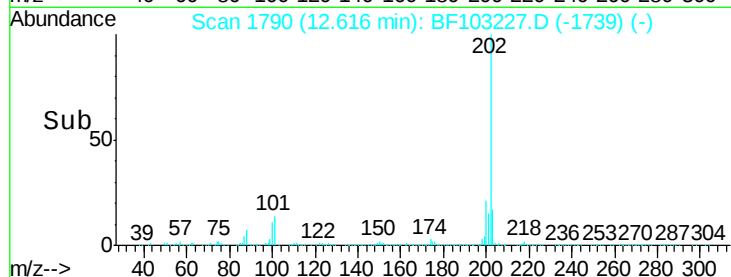
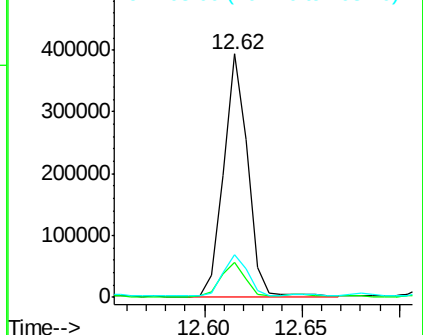
203 17.3 0.0 38.1



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: 14.05 min Scan# 2034

Delta R.T. -0.00 min

Lab File: BF103227.D

Acq: 26 Feb 2018 19:45

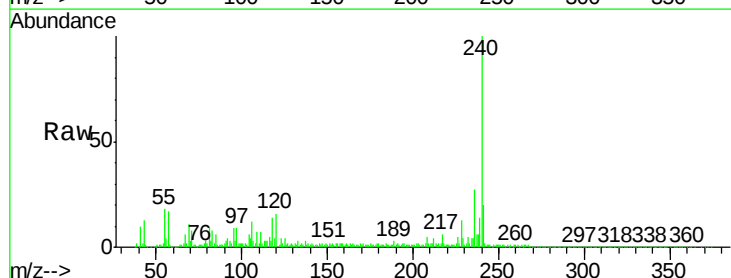
Tgt Ion:240 Resp: 280111

Ion Ratio Lower Upper

240 100

120 16.4 9.5 14.3#

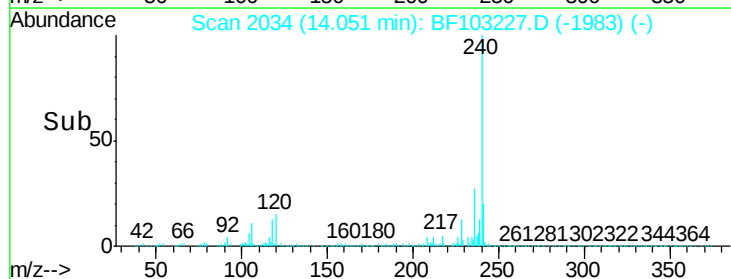
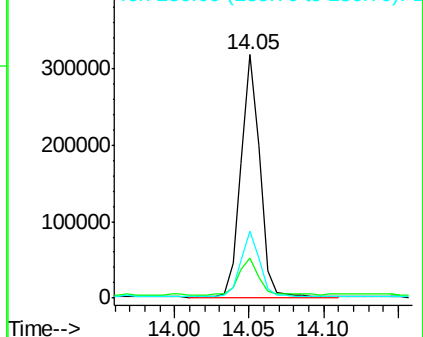
236 27.4 20.7 31.1

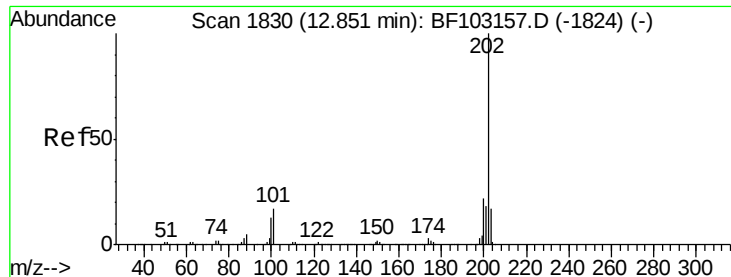


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 14.45 ng

RT: 12.84 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF103227.D

Acq: 26 Feb 2018 19:45

Instrument :

BNA_F

ClientSampleId :

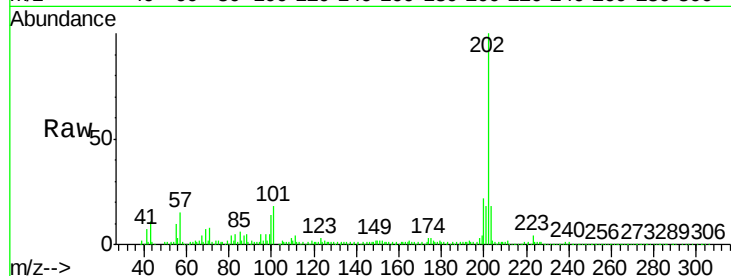
Tot Ion:202 Resp: 315533

Ion Ratio Lower Upper

202 100

200 21.5 17.4 26.2

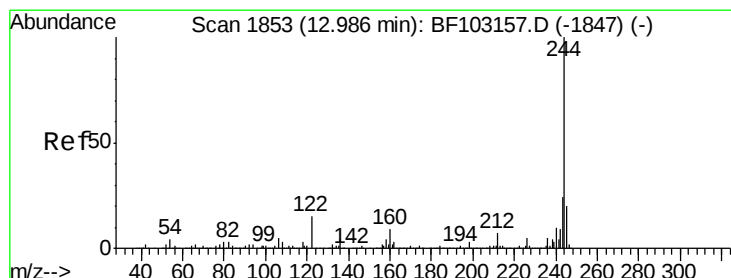
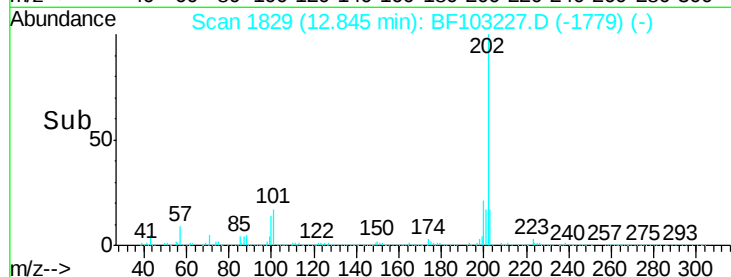
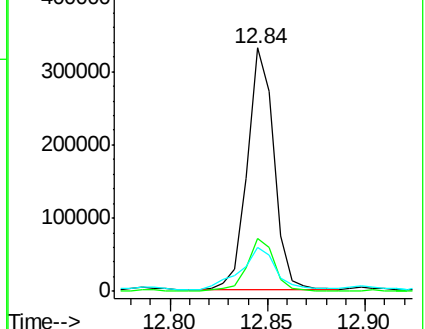
203 17.9 14.3 21.5



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: 27.58 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.01 min

Lab File: BF103227.D

Acq: 26 Feb 2018 19:45

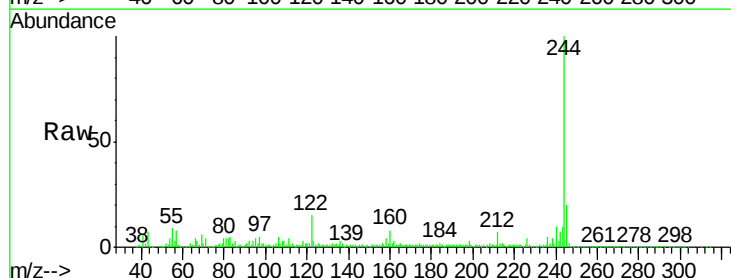
Tgt Ion:244 Resp: 321377

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

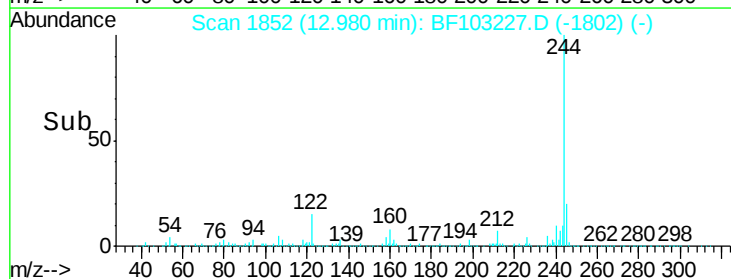
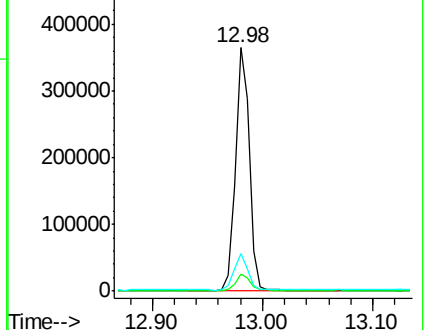
122 15.4 11.0 16.4

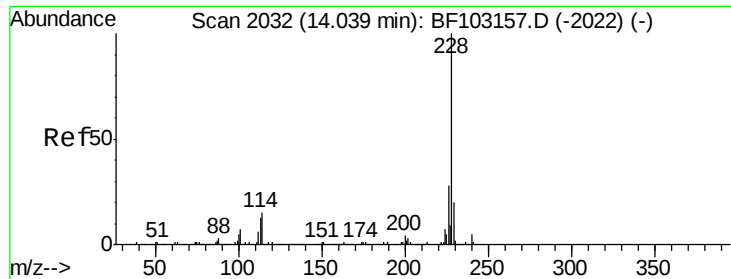


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

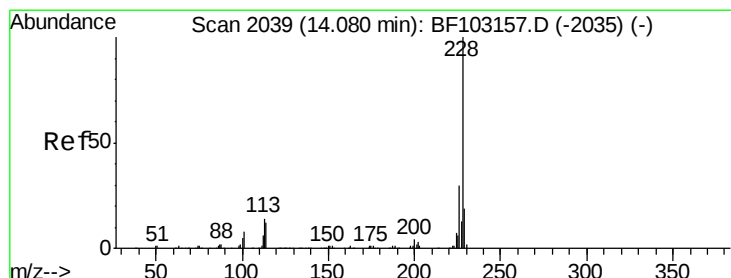
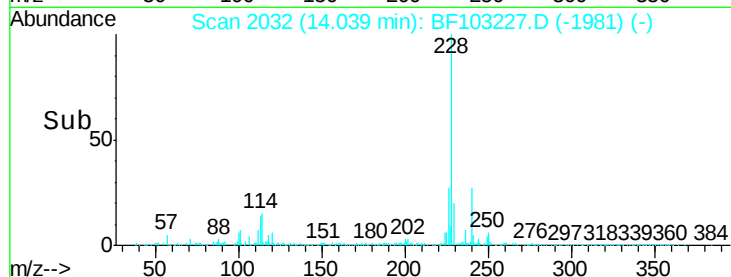
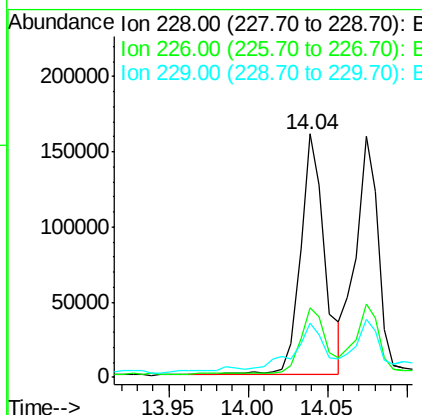
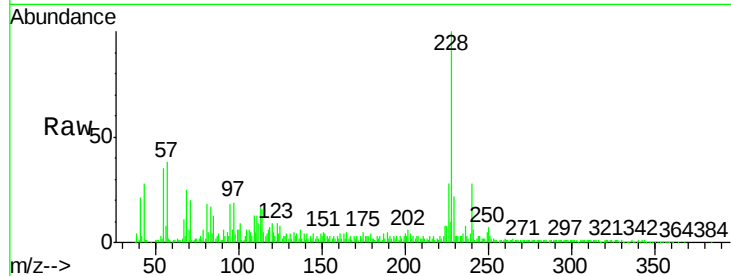




#80
Benzo(a)anthracene
Concen: 9.33 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.00 min
Lab File: BF103227.D
Acq: 26 Feb 2018 19:45

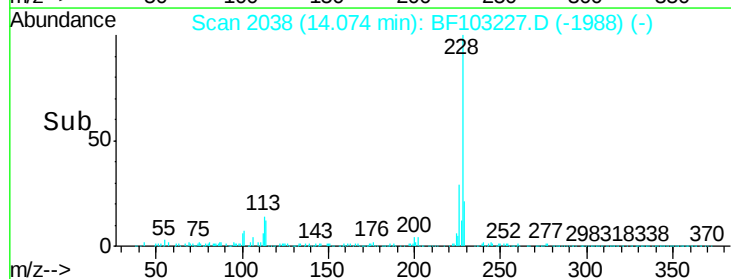
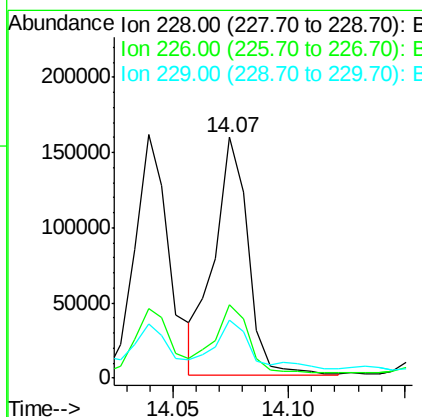
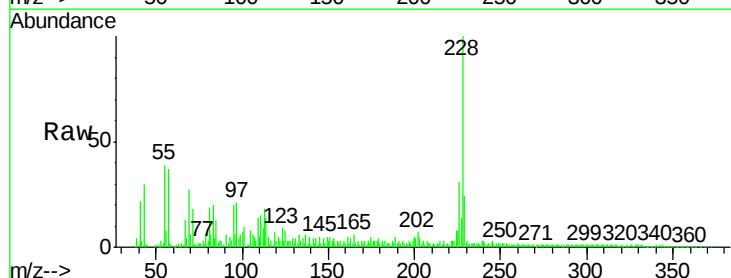
Instrument :
BNA_F
ClientSampleId :

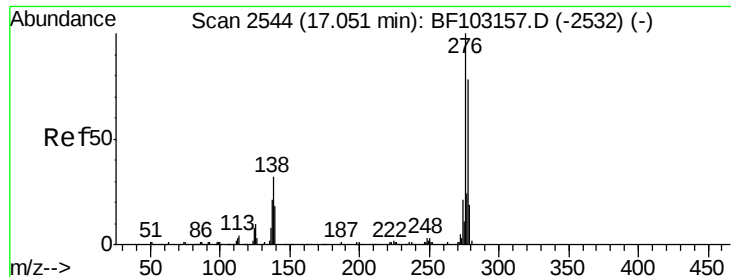
Tot Ion:228 Resp: 169621
Ion Ratio Lower Upper
228 100
226 28.5 22.6 33.8
229 22.3 15.8 23.6



#82
Chrysene
Concen: 9.11 ng
RT: 14.07 min Scan# 2038
Delta R.T. -0.01 min
Lab File: BF103227.D
Acq: 26 Feb 2018 19:45

Tgt Ion:228 Resp: 160837
Ion Ratio Lower Upper
228 100
226 30.6 25.0 37.6
229 23.8 16.2 24.4

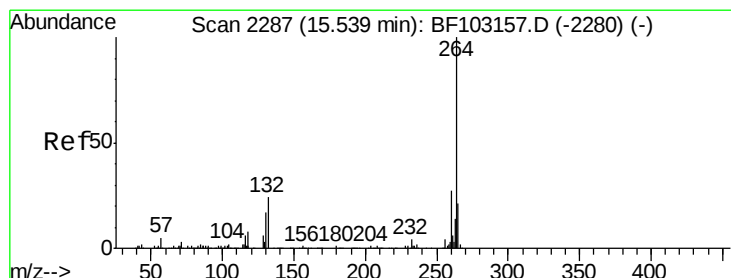
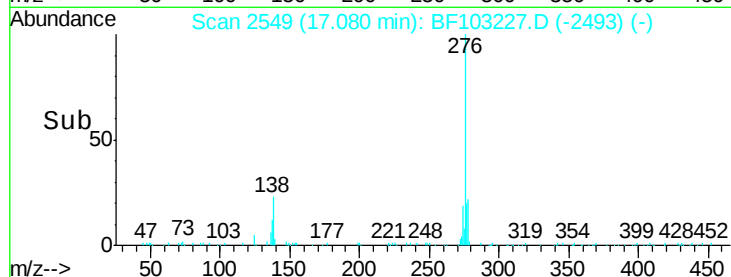
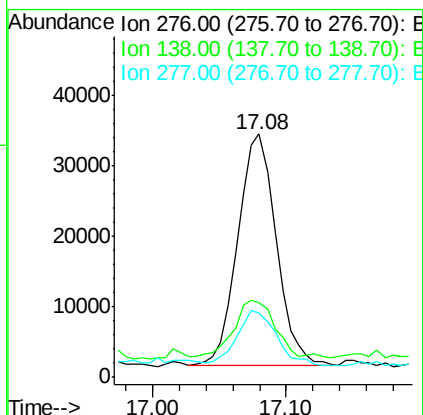
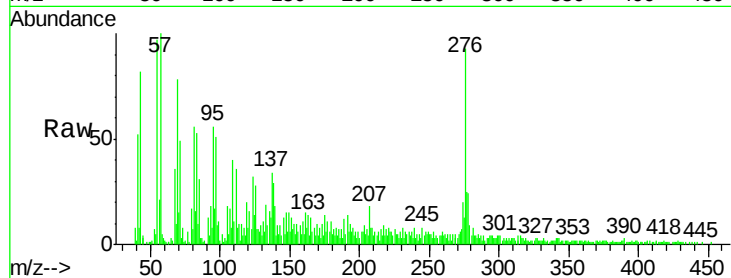




#85
Indeno(1,2,3-cd)pyrene
Concen: 4.67 ng
RT: 17.08 min Scan# 2549
Delta R.T. 0.03 min
Lab File: BF103227.D
Acq: 26 Feb 2018 19:45

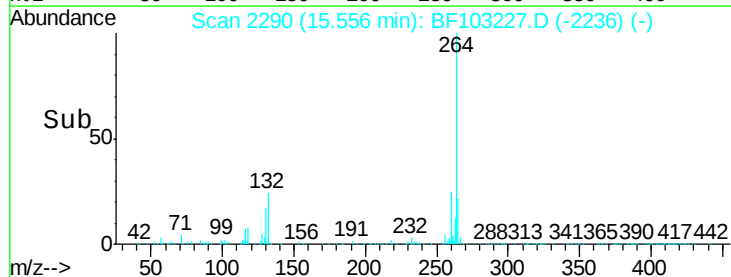
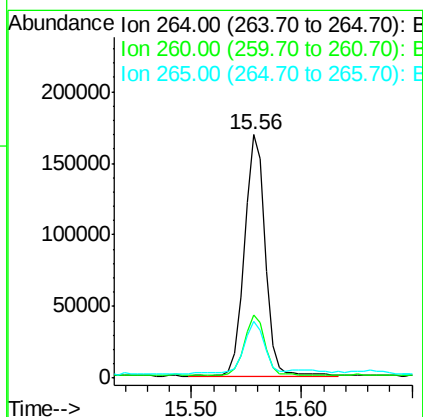
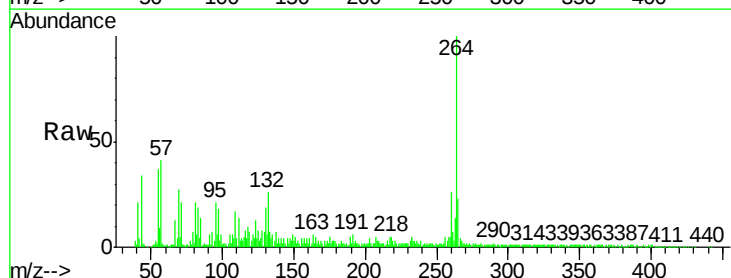
Instrument :
BNA_F
ClientSampleId :

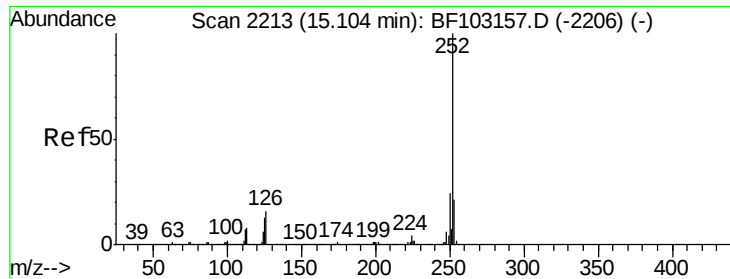
Tot Ion:276 Resp: 65202
Ion Ratio Lower Upper
276 100
138 26.8 25.0 37.6
277 24.7 20.1 30.1



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.56 min Scan# 2290
Delta R.T. 0.02 min
Lab File: BF103227.D
Acq: 26 Feb 2018 19:45

Tgt Ion:264 Resp: 223119
Ion Ratio Lower Upper
264 100
260 25.8 19.2 28.8
265 23.3 17.5 26.3

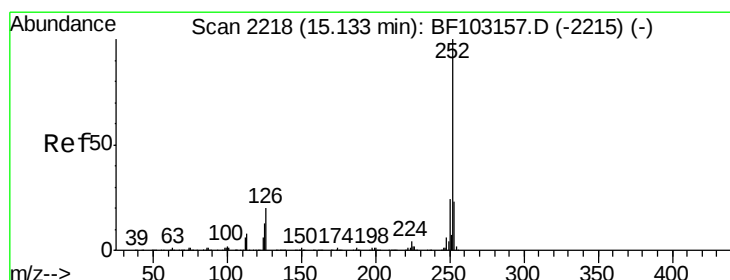
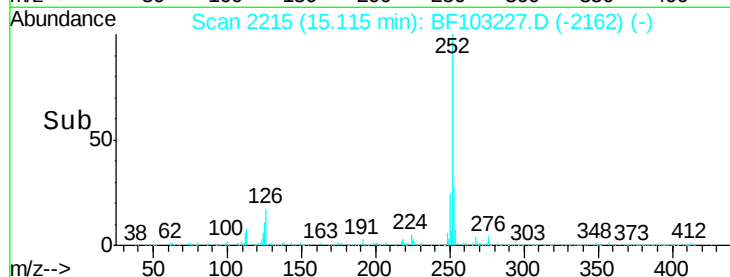
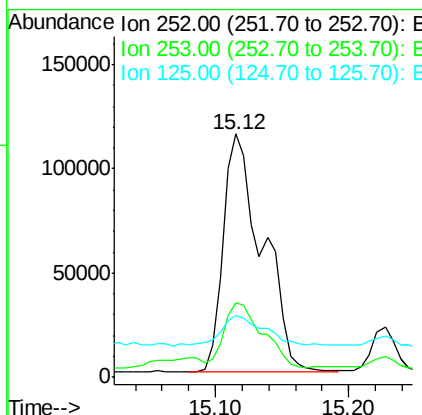
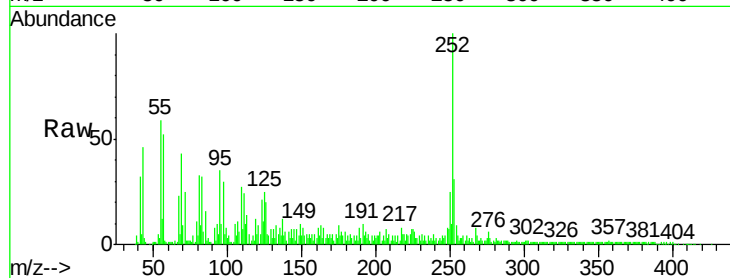




#87
Benzo(b)fluoranthene
Concen: 16.05 ng
RT: 15.12 min Scan# 2215
Delta R.T. 0.01 min
Lab File: BF103227.D
Acq: 26 Feb 2018 19:45

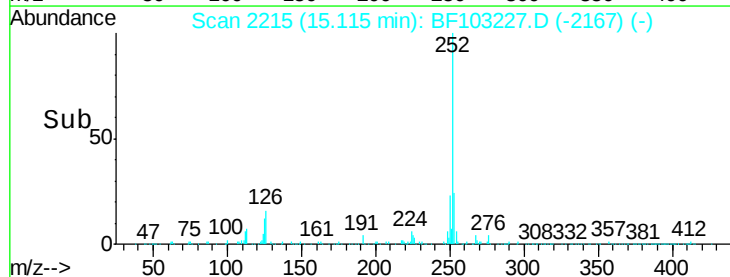
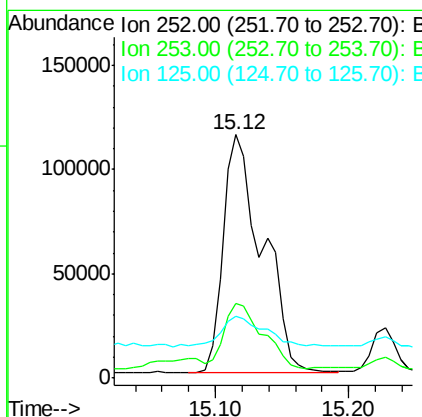
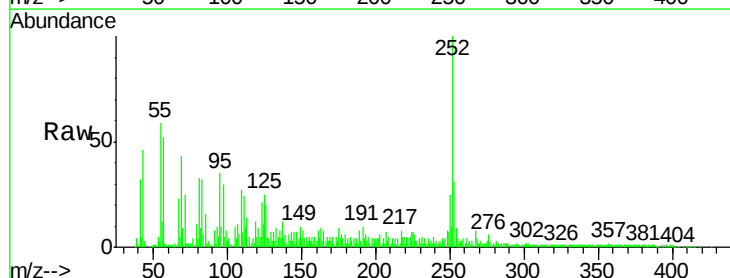
Instrument :
BNA_F
ClientSampleId :

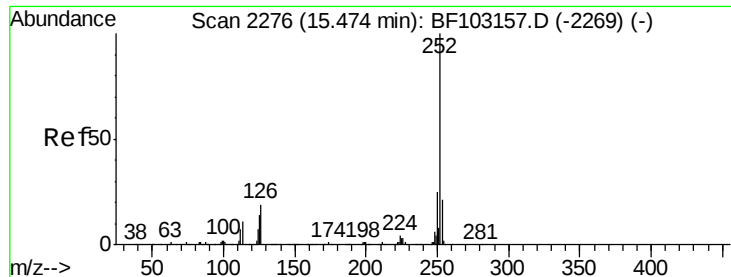
Tot Ion	Ratio	Lower	Upper
252	100		
253	30.9	17.0	25.6#
125	25.4	9.0	13.6#



#88
Benzo(k)fluoranthene
Concen: 17.04 ng
RT: 15.12 min Scan# 2215
Delta R.T. -0.02 min
Lab File: BF103227.D
Acq: 26 Feb 2018 19:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.9	17.9	26.9#
125	25.4	10.2	15.2#

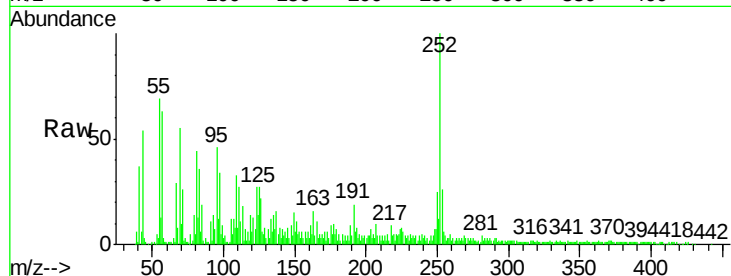




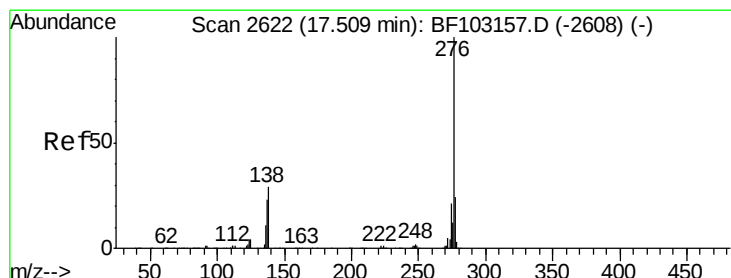
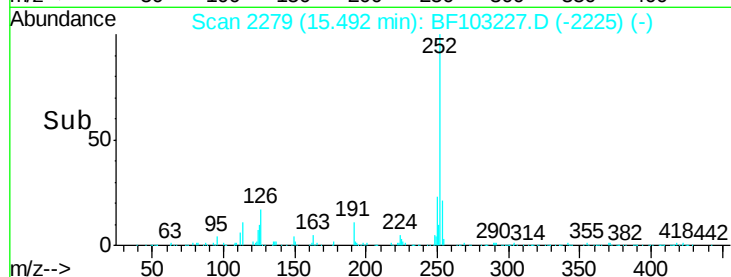
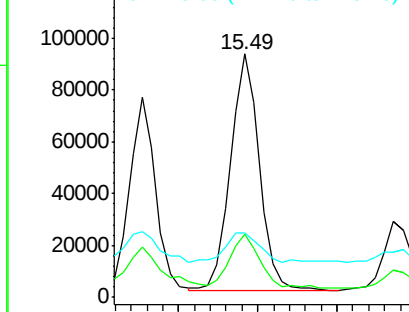
#89
Benzo(a)pyrene
Concen: 8.71 ng
RT: 15.49 min Scan# 2279
Delta R.T. 0.02 min
Lab File: BF103227.D
Acq: 26 Feb 2018 19:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 114063
Ion Ratio Lower Upper
252 100
253 25.8 17.1 25.7#
125 26.5 9.8 14.6#

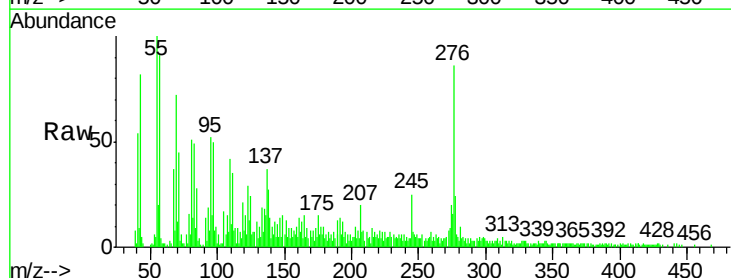


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 6.25 ng
RT: 17.54 min Scan# 2628
Delta R.T. 0.04 min
Lab File: BF103227.D
Acq: 26 Feb 2018 19:45

Tgt Ion:276 Resp: 61796
Ion Ratio Lower Upper
276 100
277 27.9 17.9 26.9#
138 30.7 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

