

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022218\
 Data File : BF103165.D
 Acq On : 22 Feb 2018 16:37
 Operator : SJ/JU
 Sample : J1638-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 3-4-DENSE-GRADE-AGG-RCA

Quant Time: Feb 23 02:10:18 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 22 14:52:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	179525	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	751649	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	322373	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	492685	20.00	ng	0.00
75) Chrysene-d12	14.04	240	300937	20.00	ng	0.00
86) Perylene-d12	15.54	264	327674	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	873506	73.59	ng	0.00
7) Phenol-d6	6.50	99	1186933	81.72	ng	0.00
23) Nitrobenzene-d5	7.43	82	781762	59.40	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	115863	42.46	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1226536	61.22	ng	0.00
78) Terphenyl-d14	12.99	244	837089	66.87	ng	0.00

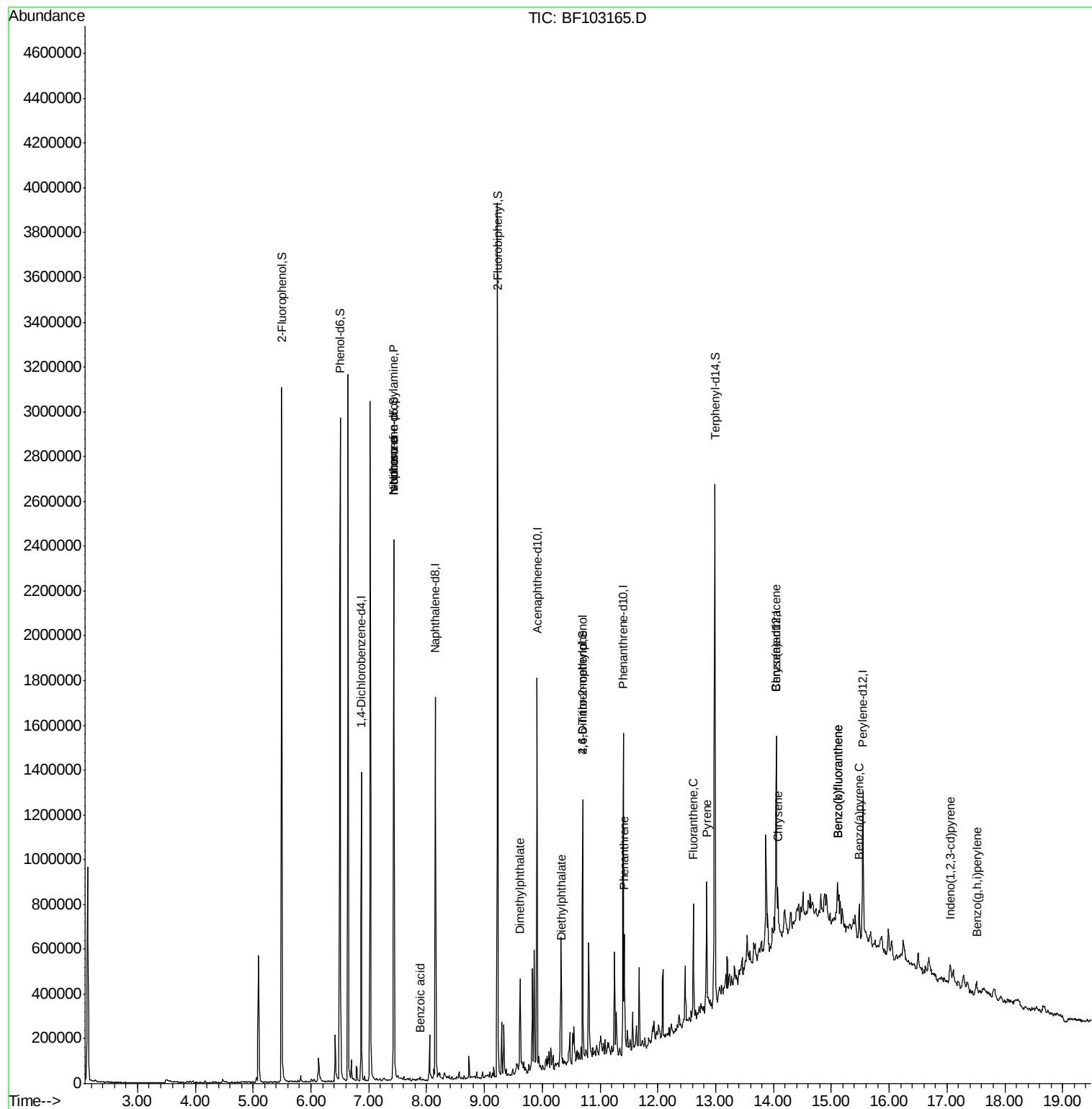
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.43	70	112476	12.442	ng	# 80
25) Isophorone	7.43	82	781750	30.157	ng	# 64
32) Benzoic acid	7.89	122	146	6.930	ng	# 61
49) Dimethylphthalate	9.62	163	121221	4.687	ng	99
59) Diethylphthalate	10.32	149	66699	2.697	ng	96
64) 4,6-Dinitro-2-methylphenol	10.70	198	245	5.019	ng	# 1
70) Phenanthrene	11.42	178	156987	5.790	ng	98
74) Fluoranthene	12.62	202	184189	6.760	ng	98
77) Pyrene	12.84	202	153771	6.554	ng	99
80) Benzo(a)anthracene	14.04	228	85979	4.403	ng	98
82) Chrysene	14.07	228	81353	4.291	ng	96
85) Indeno(1,2,3-cd)pyrene	17.06	276	47075	3.136	ng	99
87) Benzo(b)fluoranthene	15.11	252	156173	7.249	ng	# 89
88) Benzo(k)fluoranthene	15.11	252	156173	7.698	ng	# 92
89) Benzo(a)pyrene	15.48	252	76980	4.001	ng	# 83
91) Benzo(g,h,i)perylene	17.52	276	39846	2.742	ng	# 82

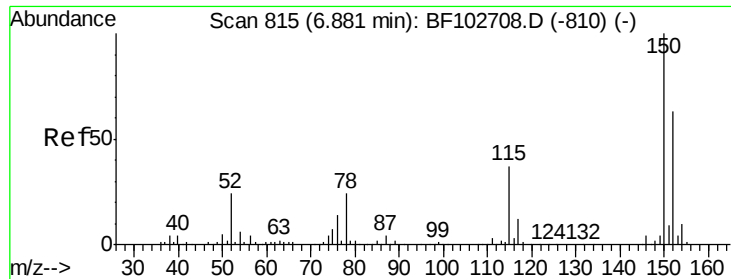
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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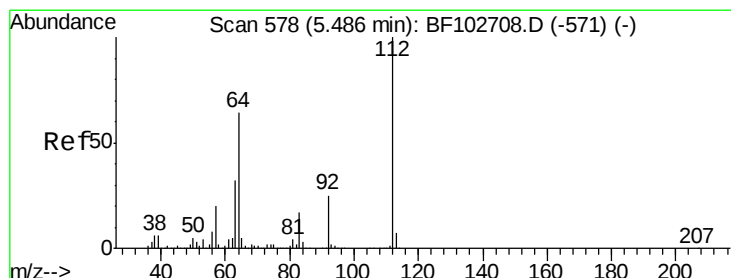
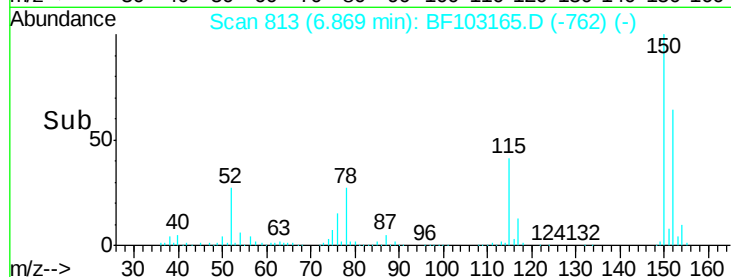
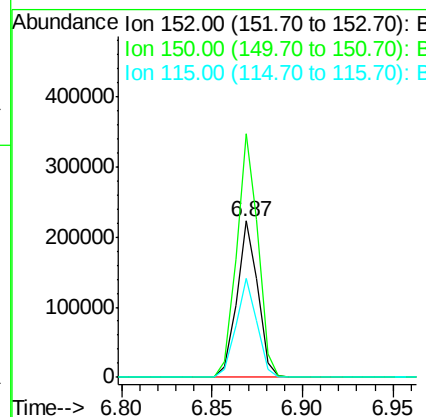
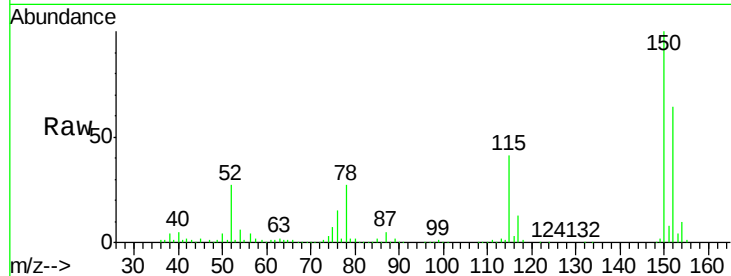


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.00 min
Lab File: BF103165.D
Acq: 22 Feb 2018 16:37

Instrument :
BNA_F
ClientSampleId :
3-4-DENSE-GRADE-AGG-RCA

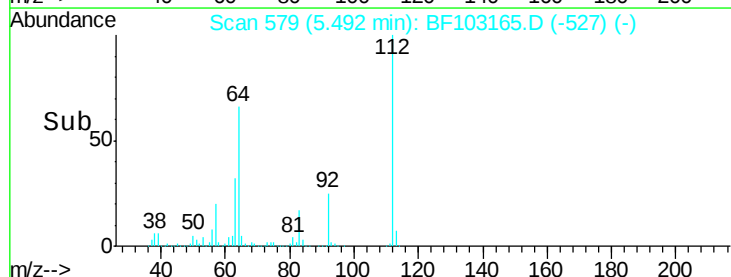
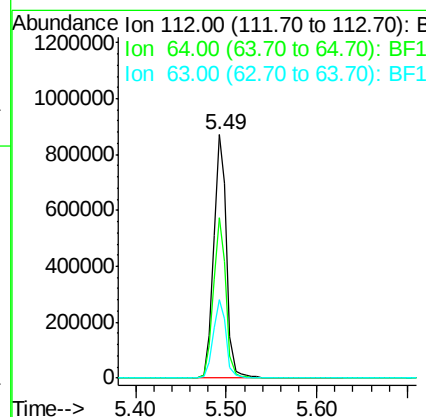
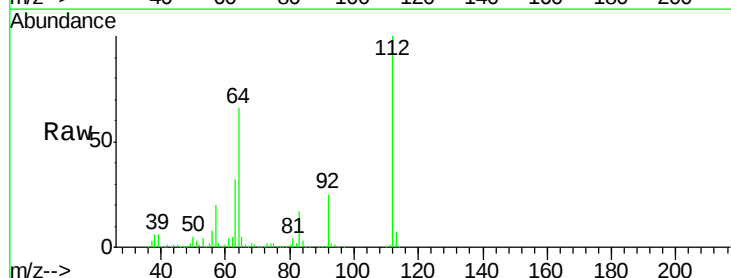
Tot Ion:152 Resp: 179525
Ion Ratio Lower Upper
152 100
150 155.6 124.6 186.8
115 63.5 50.1 75.1

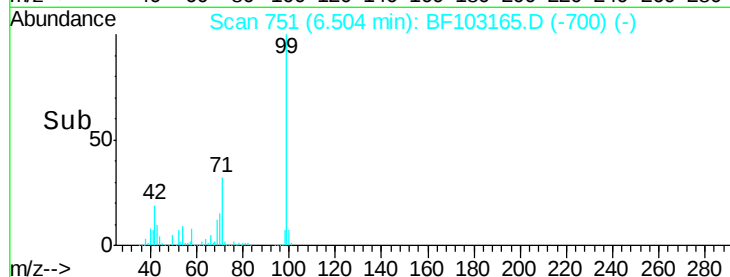
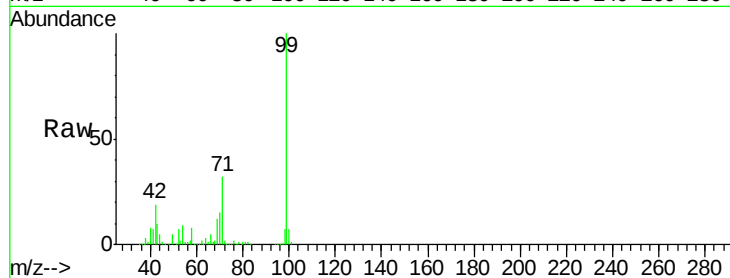


#5

2-Fluorophenol
Concen: 73.589 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.01 min
Lab File: BF103165.D
Acq: 22 Feb 2018 16:37

Tgt Ion:112 Resp: 873506
Ion Ratio Lower Upper
112 100
64 65.8 47.9 71.9
63 32.5 23.7 35.5





#7

Phenol-d6

Concen: 81.718 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.00 min

Lab File: BF103165.D

Acq: 22 Feb 2018 16:37

Instrument :

BNA_F

ClientSampleId :

3-4-DENSE-GRADE-AGG-RCA

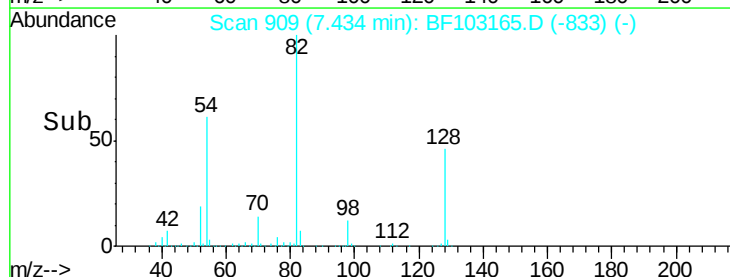
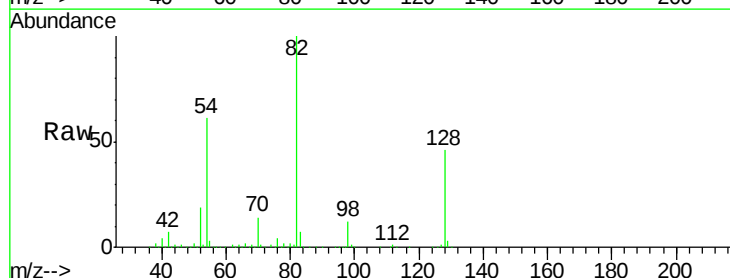
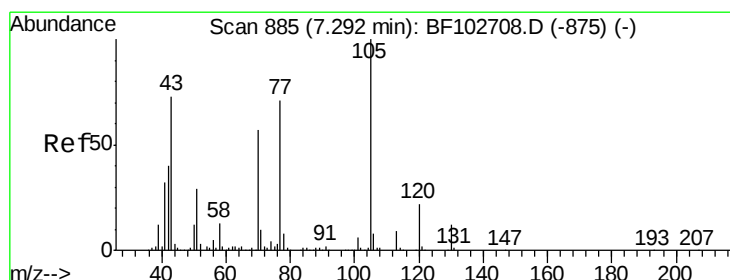
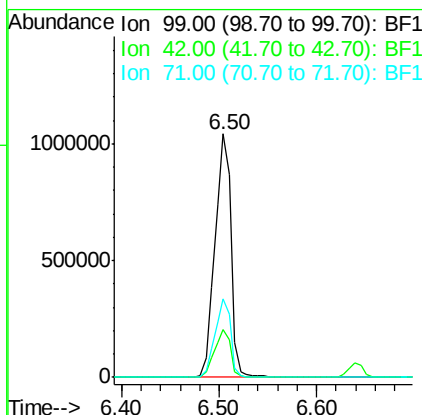
Tot Ion: 99 Resp: 1186933

Ion Ratio Lower Upper

99 100

42 19.4 14.5 21.7

71 32.2 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 12.442 ng

RT: 7.43 min Scan# 909

Delta R.T. 0.15 min

Lab File: BF103165.D

Acq: 22 Feb 2018 16:37

Tgt Ion: 70 Resp: 112476

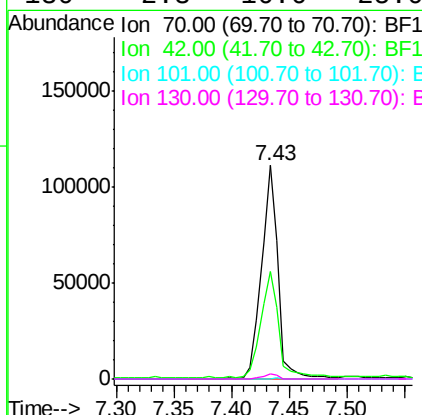
Ion Ratio Lower Upper

70 100

42 50.5 47.5 71.3

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

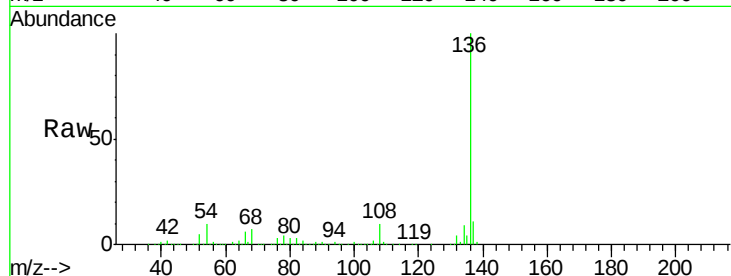




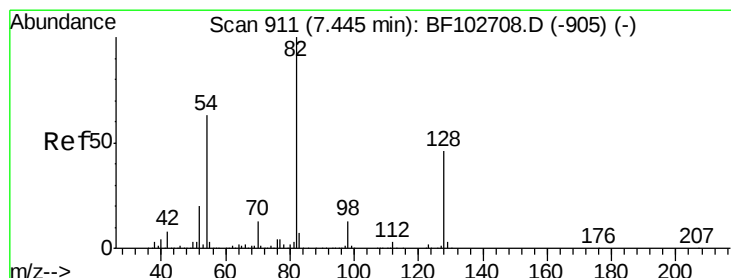
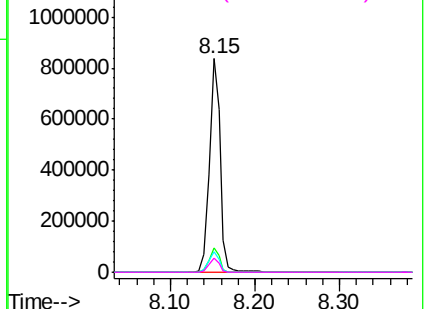
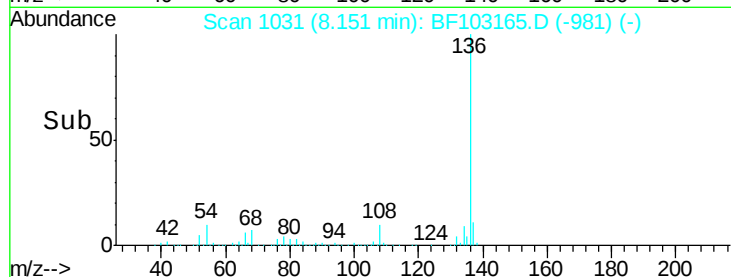
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF103165.D
Acq: 22 Feb 2018 16:37

Instrument :
BNA_F
ClientSampleId :
3-4-DENSE-GRADE-AGG-RCA

Tot Ion:136	Resp:	751649
Ion	Ratio	Lower Upper
136	100	
137	11.4	8.9 13.3
54	9.7	6.6 9.8
68	6.6	5.0 7.4

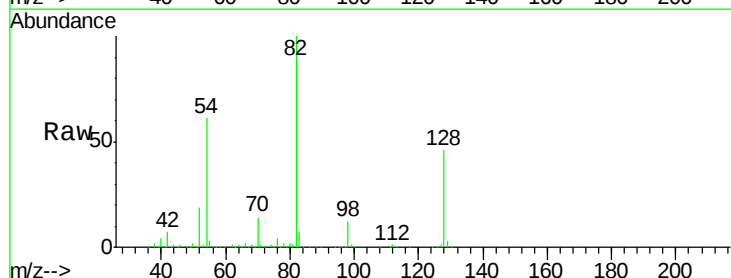


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

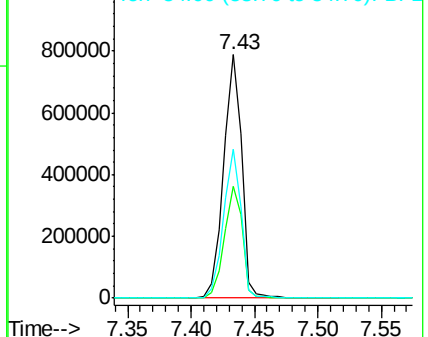
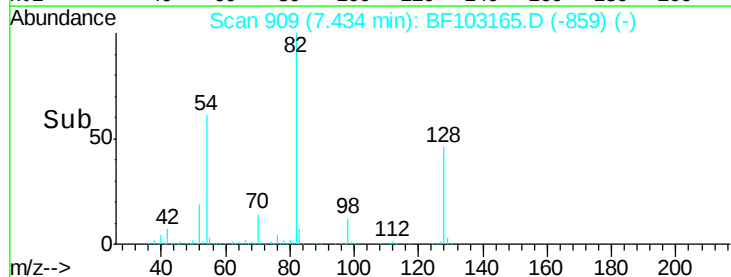


#23
Nitrobenzene-d5
Concen: 59.396 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: BF103165.D
Acq: 22 Feb 2018 16:37

Tgt Ion: 82	Resp:	781762
Ion	Ratio	Lower Upper
82	100	
128	45.8	36.1 54.1
54	60.9	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: 30.157 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.26 min

Lab File: BF103165.D

Acq: 22 Feb 2018 16:37

Instrument :

BNA_F

ClientSampleId :

3-4-DENSE-GRADE-AGG-RCA

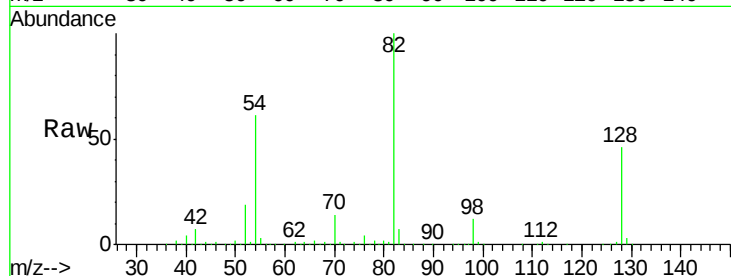
Tot Ion: 82 Resp: 781750

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

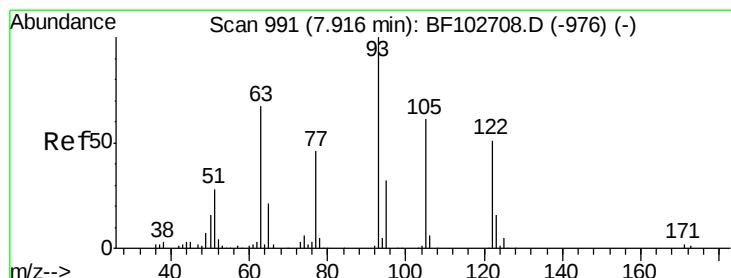
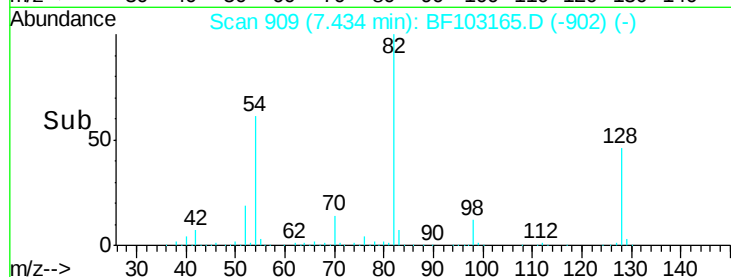
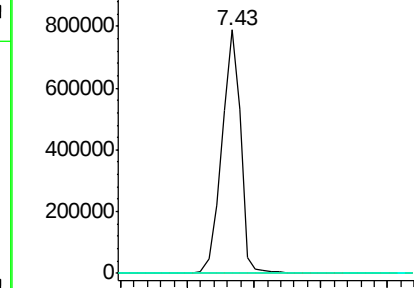
138 0.0 14.9 22.3#



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



#32

Benzoic acid

Concen: 6.930 ng

RT: 7.89 min Scan# 986

Delta R.T. -0.05 min

Lab File: BF103165.D

Acq: 22 Feb 2018 16:37

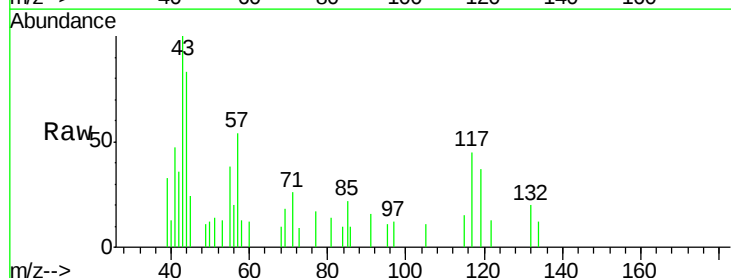
Tgt Ion:122 Resp: 146

Ion Ratio Lower Upper

122 100

105 85.7 101.1 141.1#

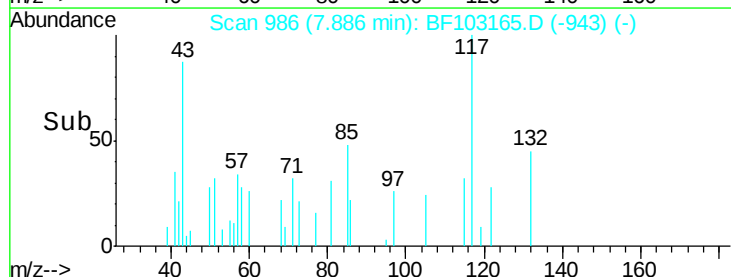
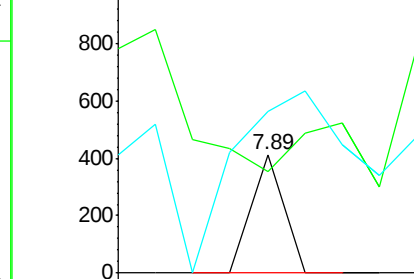
77 136.6 70.7 110.7#

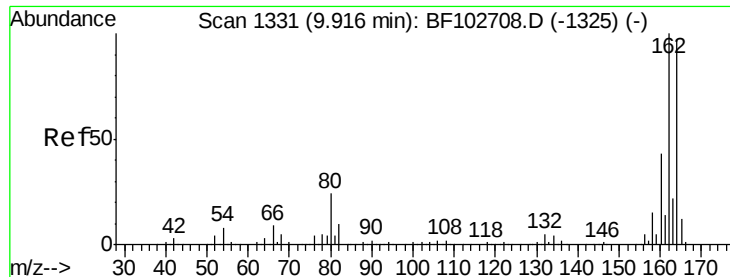


Abundance Ion 122.00 (121.70 to 122.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

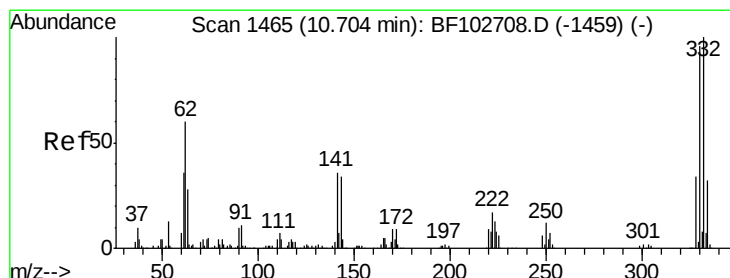
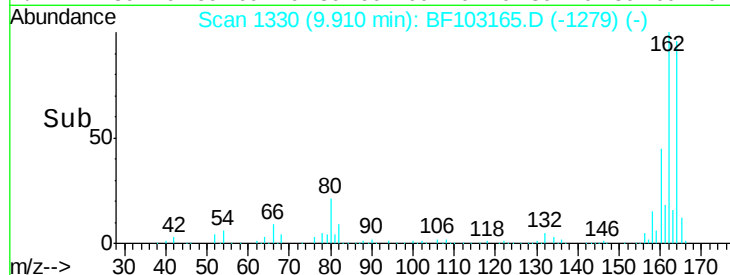
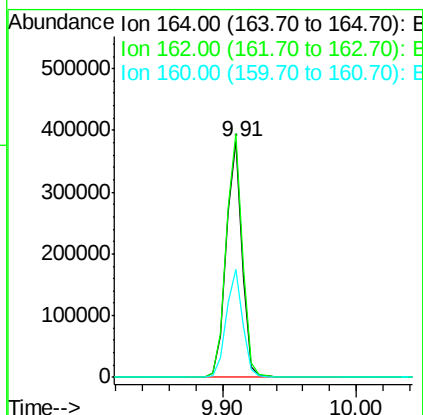
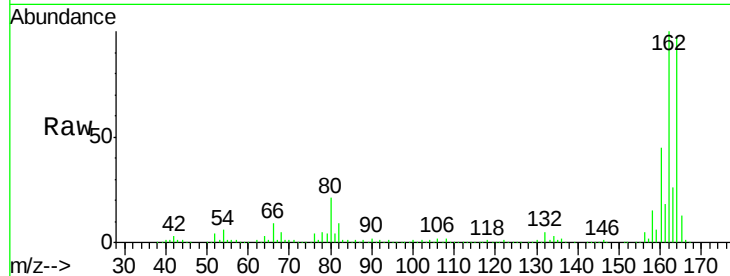




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.00 min
Lab File: BF103165.D
Acq: 22 Feb 2018 16:37

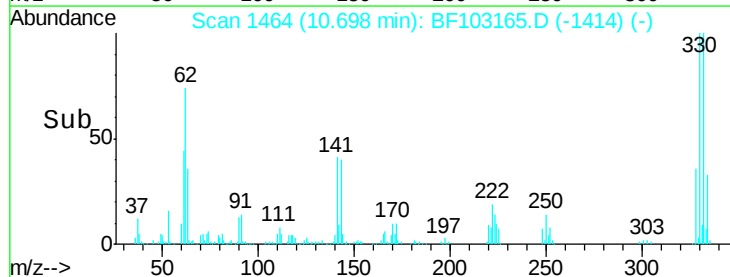
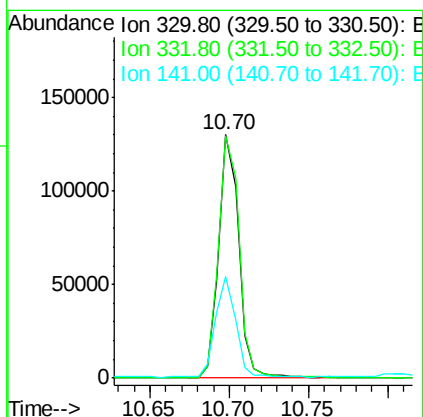
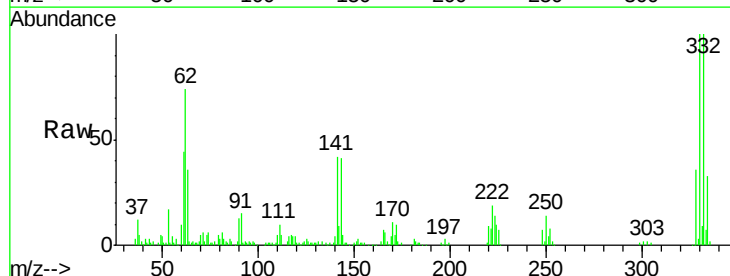
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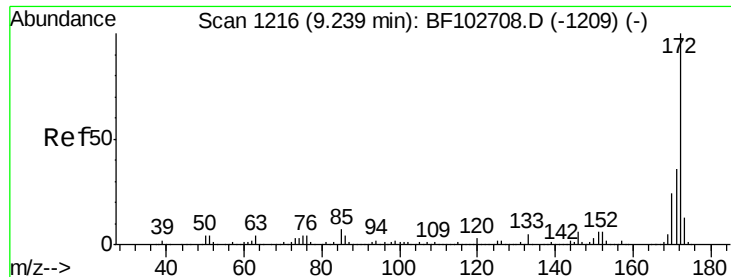
Tot Ion:164 Resp: 322373
Ion Ratio Lower Upper
164 100
162 103.4 86.1 129.1
160 46.0 38.3 57.5



#41
2,4,6-Tribromophenol
Concen: 42.461 ng
RT: 10.70 min Scan# 1464
Delta R.T. -0.01 min
Lab File: BF103165.D
Acq: 22 Feb 2018 16:37

Tgt Ion:330 Resp: 115863
Ion Ratio Lower Upper
330 100
332 102.1 77.0 115.6
141 41.9 29.9 44.9

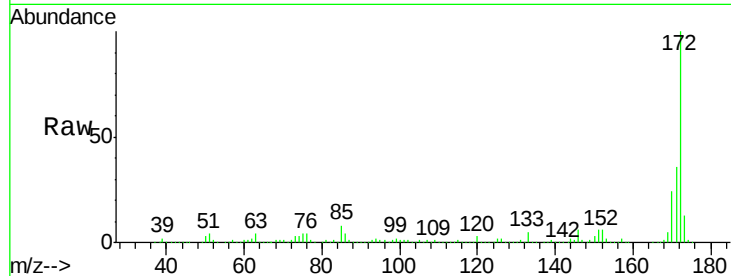




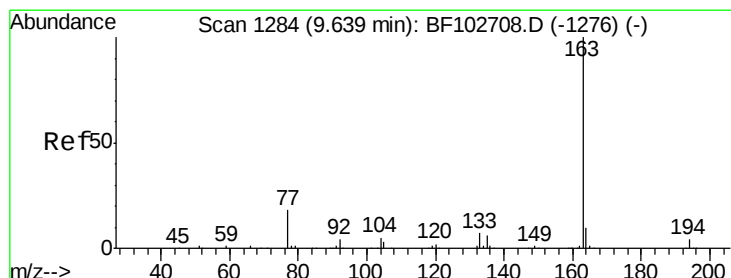
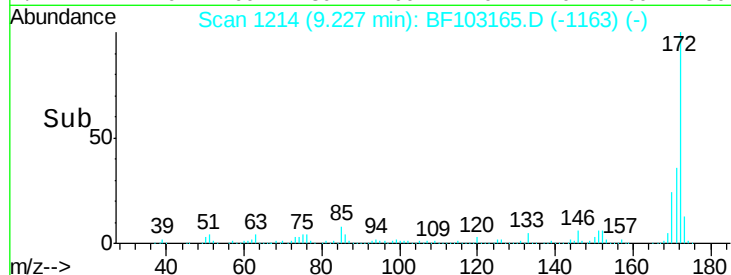
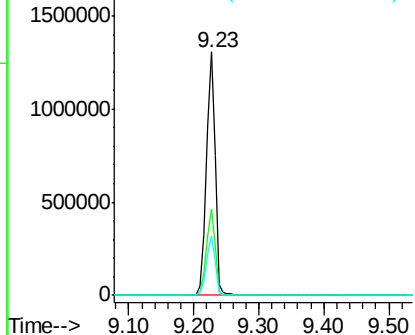
#44
2-Fluorobiphenyl
Concen: 61.223 ng
RT: 9.23 min Scan# 1214
Delta R.T. 0.00 min
Lab File: BF103165.D
Acq: 22 Feb 2018 16:37

Instrument :
BNA_F
ClientSampleId :
3-4-DENSE-GRADE-AGG-RCA

Tot Ion:172 Resp: 1226536
Ion Ratio Lower Upper
172 100
171 35.6 29.7 44.5
170 24.4 19.6 29.4

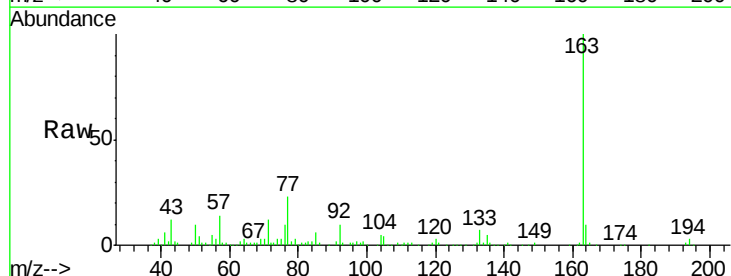


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

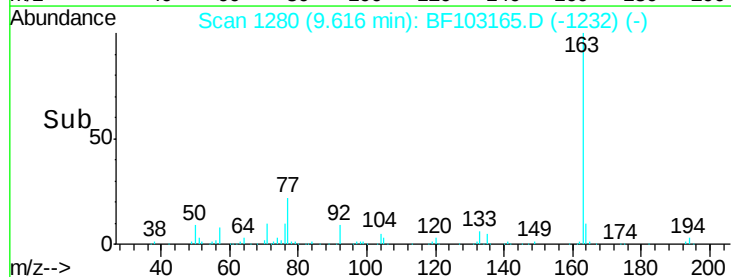
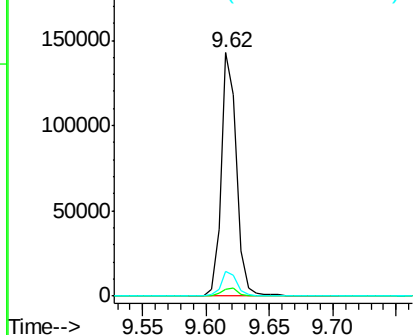


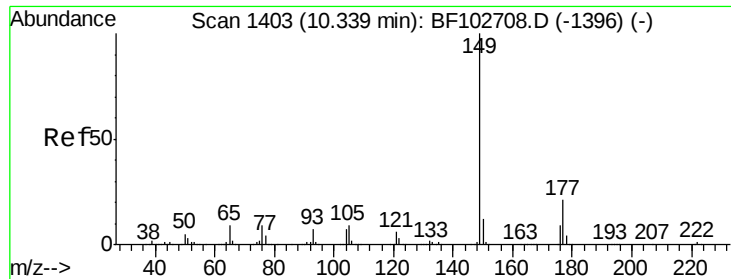
#49
Dimethylphthalate
Concen: 4.687 ng
RT: 9.62 min Scan# 1280
Delta R.T. -0.02 min
Lab File: BF103165.D
Acq: 22 Feb 2018 16:37

Tgt Ion:163 Resp: 121221
Ion Ratio Lower Upper
163 100
194 2.9 2.7 4.1
164 10.0 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

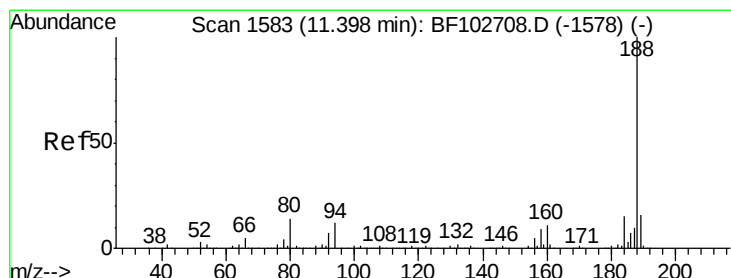
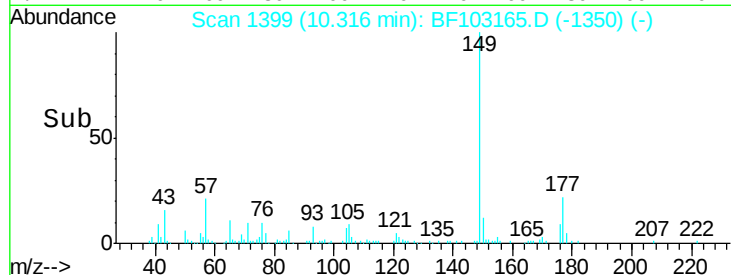
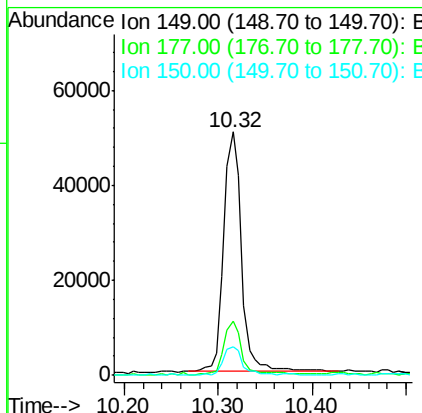
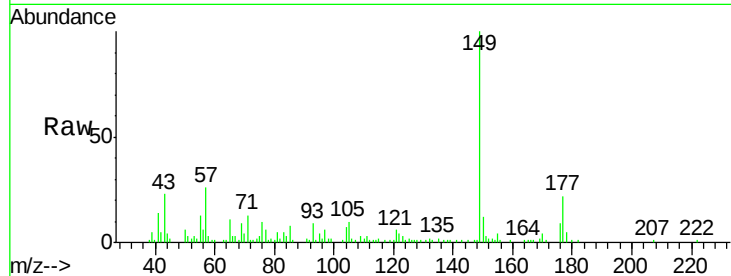




#59
Diethylphthalate
Concen: 2.697 ng
RT: 10.32 min Scan# 1399
Delta R.T. -0.01 min
Lab File: BF103165.D
Acq: 22 Feb 2018 16:37

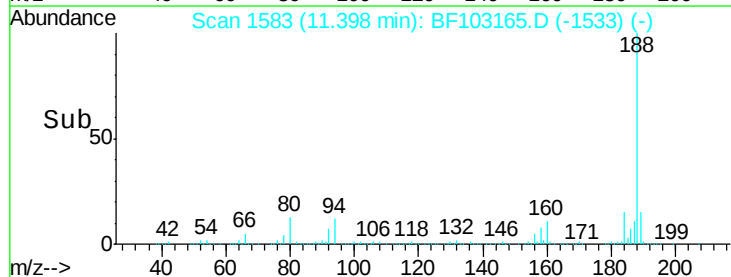
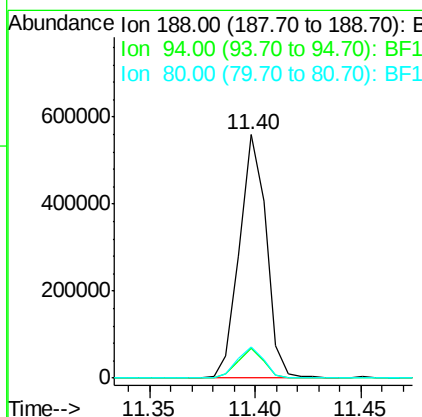
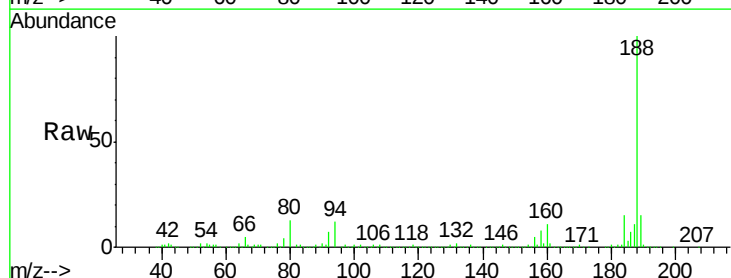
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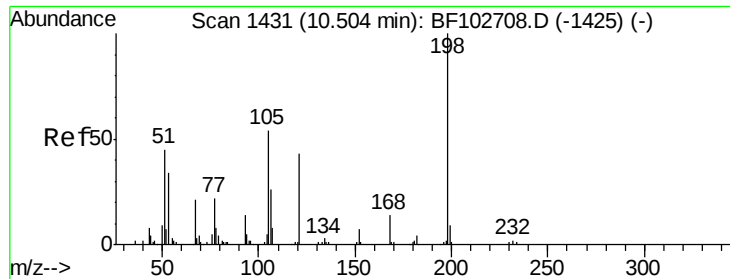
Tot Ion:149 Resp: 66699
Ion Ratio Lower Upper
149 100
177 22.3 16.1 24.1
150 12.0 10.1 15.1



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF103165.D
Acq: 22 Feb 2018 16:37

Tgt Ion:188 Resp: 492685
Ion Ratio Lower Upper
188 100
94 12.4 8.5 12.7
80 13.0 9.2 13.8





#64

4,6-Dinitro-2-methylphenol

Concen: 5.019 ng

RT: 10.70 min Scan# 1464

Delta R.T. 0.18 min

Lab File: BF103165.D

Acq: 22 Feb 2018 16:37

Instrument :

BNA_F

ClientSampleId :

3-4-DENSE-GRADE-AGG-RCA

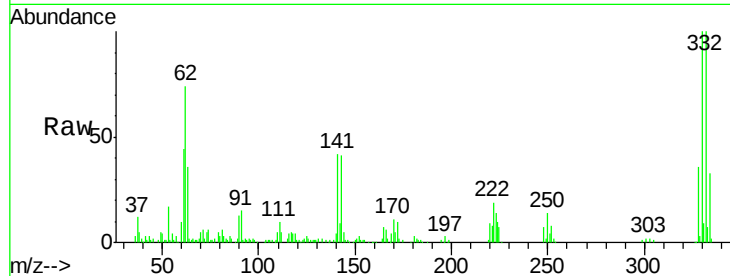
Tot Ion:198 Resp: 245

Ion Ratio Lower Upper

198 100

51 411.8 37.7 77.7#

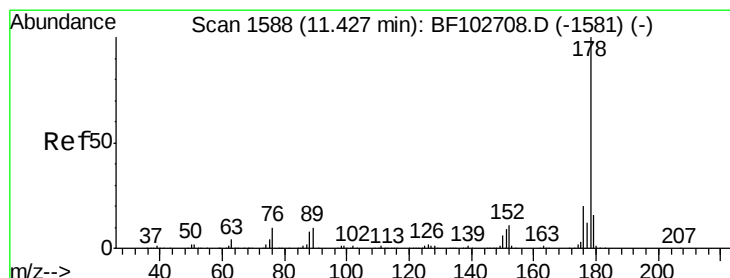
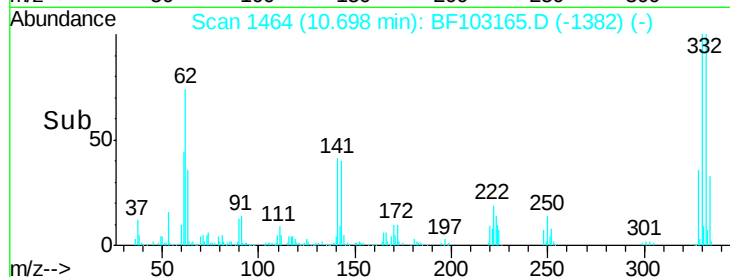
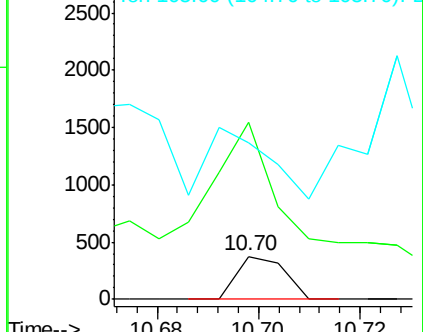
105 364.4 36.3 76.3#



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: 5.790 ng

RT: 11.42 min Scan# 1587

Delta R.T. -0.01 min

Lab File: BF103165.D

Acq: 22 Feb 2018 16:37

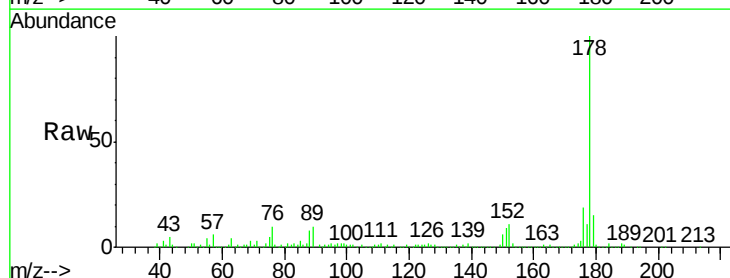
Tgt Ion:178 Resp: 156987

Ion Ratio Lower Upper

178 100

176 19.5 15.8 23.8

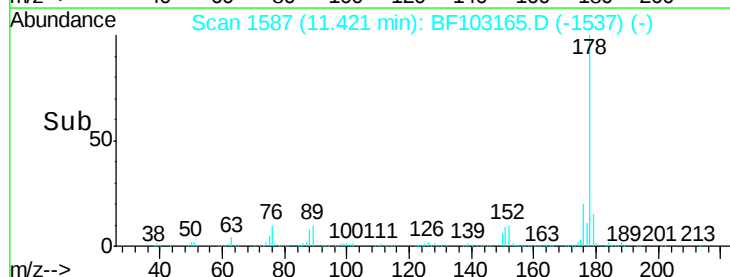
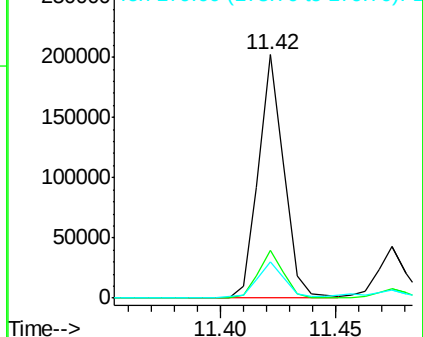
179 15.1 13.0 19.6

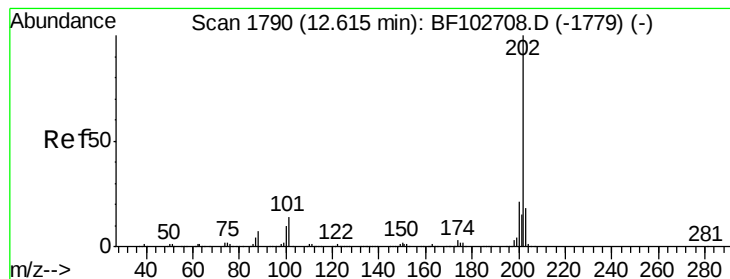


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 6.760 ng

RT: 12.62 min Scan# 1790

Delta R.T. -0.00 min

Lab File: BF103165.D

Acq: 22 Feb 2018 16:37

Instrument :

BNA_F

ClientSampleId :

3-4-DENSE-GRADE-AGG-RCA

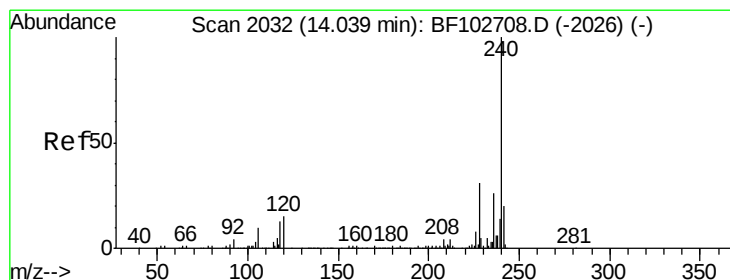
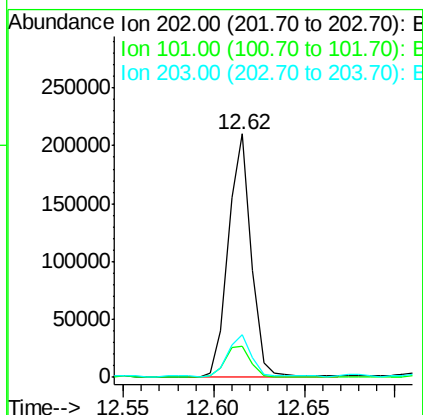
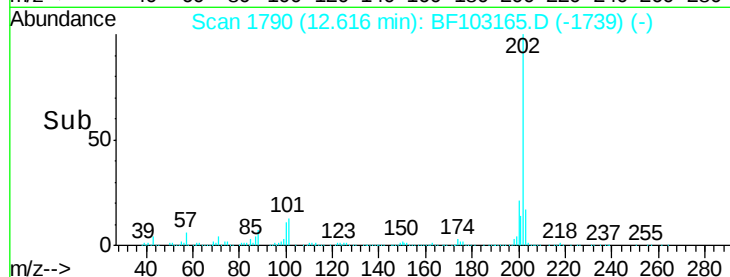
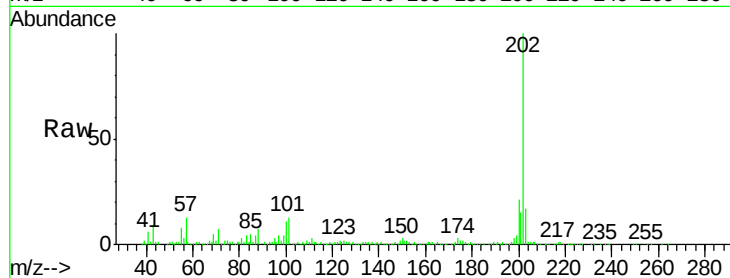
Tot Ion:202 Resp: 184189

Ion Ratio Lower Upper

202 100

101 13.0 0.0 34.1

203 17.4 0.0 38.1



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF103165.D

Acq: 22 Feb 2018 16:37

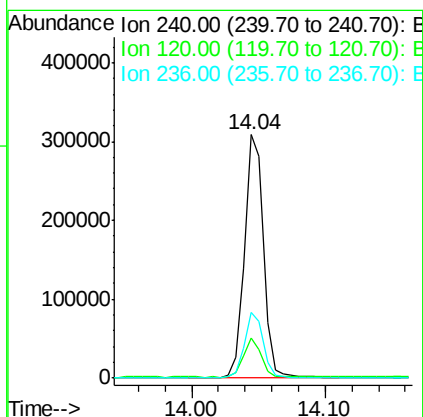
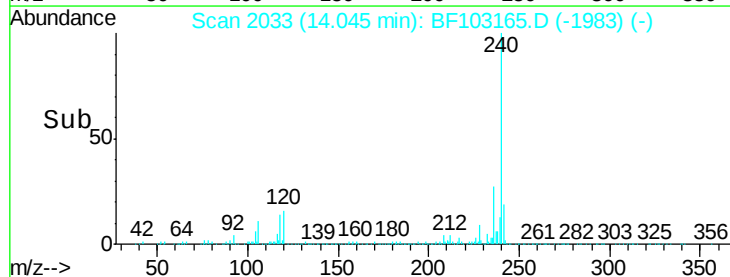
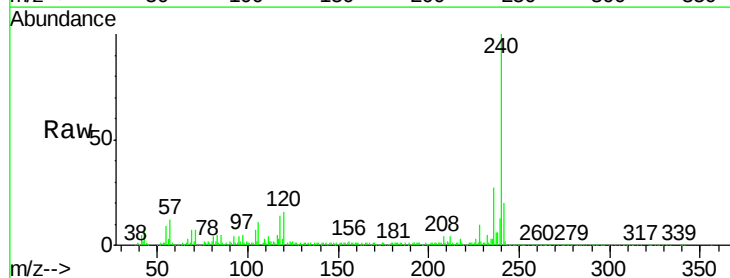
Tgt Ion:240 Resp: 300937

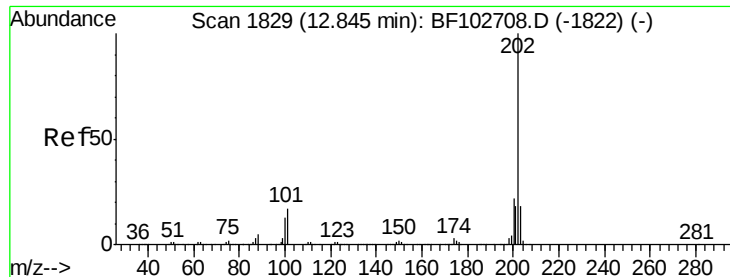
Ion Ratio Lower Upper

240 100

120 16.4 9.5 14.3#

236 27.1 20.7 31.1





#77

Pvrene

Concen: 6.554 ng

RT: 12.84 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF103165.D

Acq: 22 Feb 2018 16:37

Instrument :

BNA_F

ClientSampleId :

3-4-DENSE-GRADE-AGG-RCA

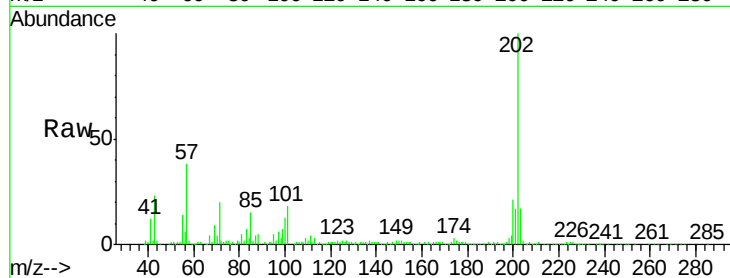
Tot Ion:202 Resp: 153771

Ion Ratio Lower Upper

202 100

200 21.1 17.4 26.2

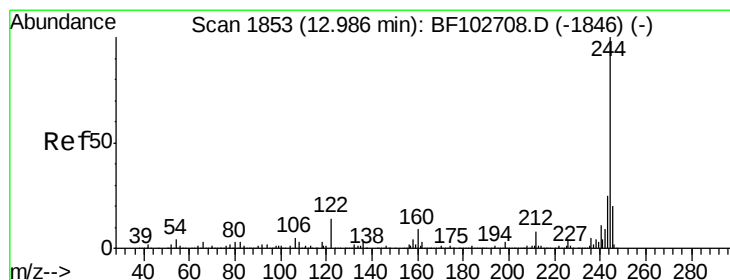
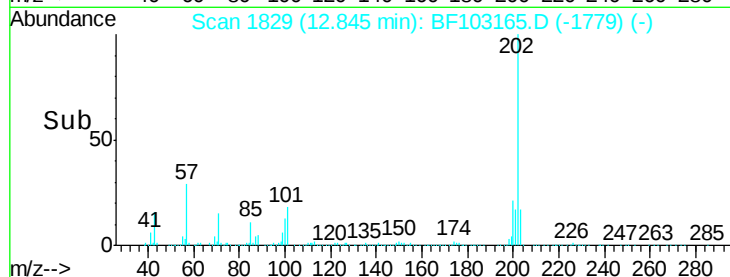
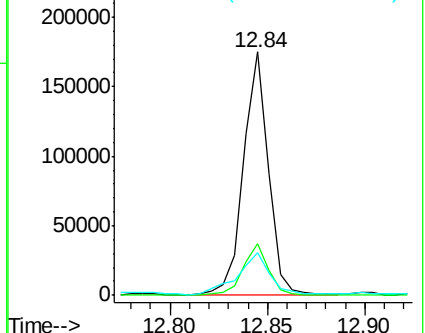
203 17.3 14.3 21.5



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: 66.866 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.00 min

Lab File: BF103165.D

Acq: 22 Feb 2018 16:37

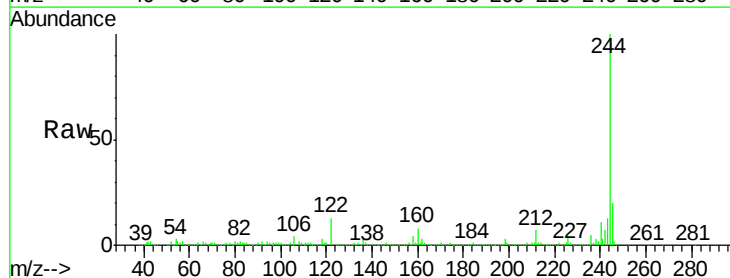
Tgt Ion:244 Resp: 837089

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

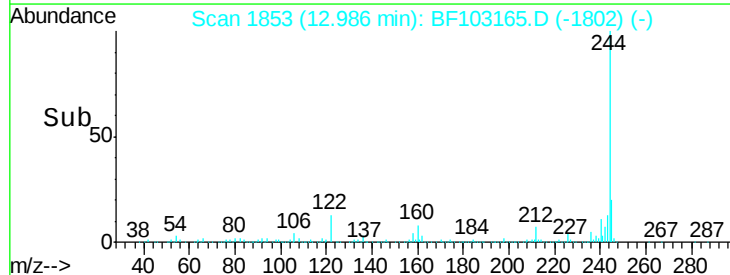
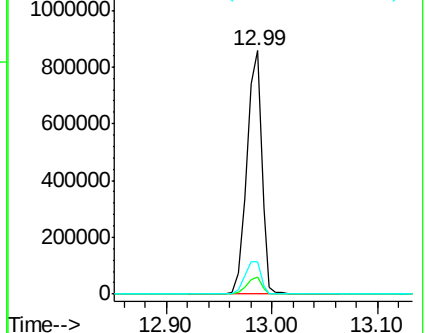
122 13.4 11.0 16.4

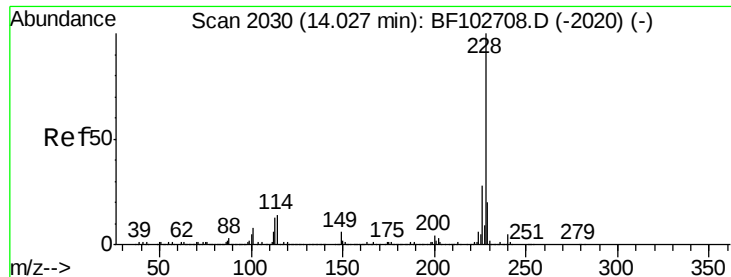


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

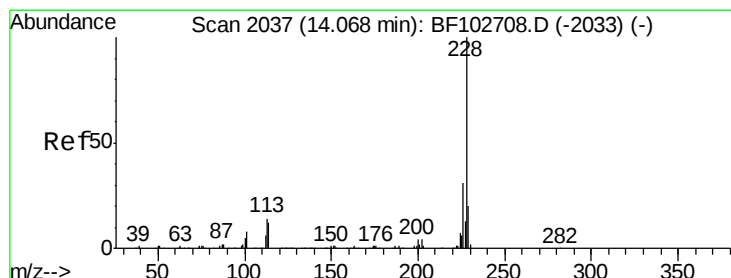
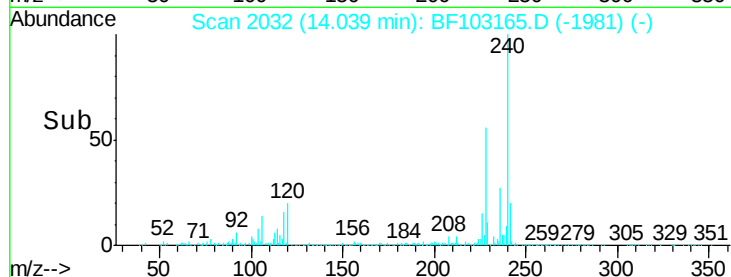
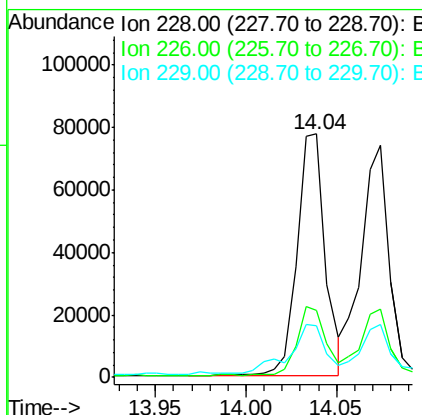
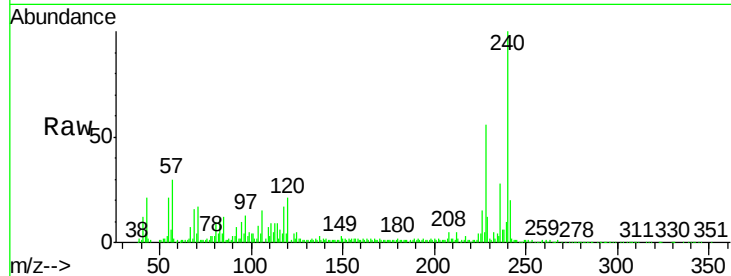




#80
Benzo(a)anthracene
Concen: 4.403 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.00 min
Lab File: BF103165.D
Acq: 22 Feb 2018 16:37

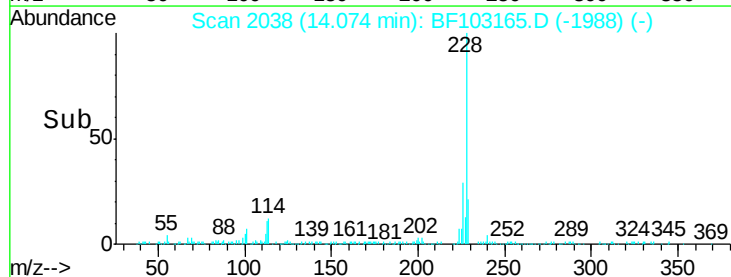
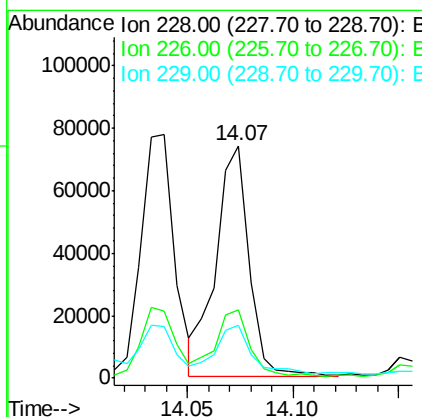
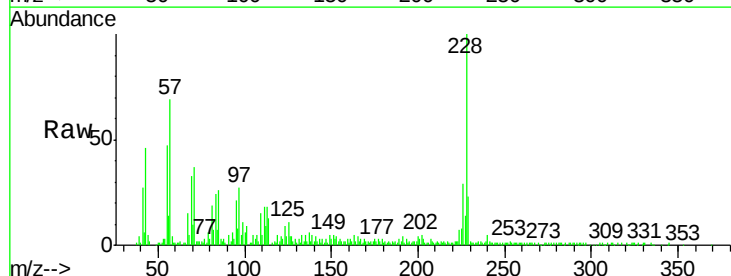
Instrument :
BNA_F
ClientSampleId :
3-4-DENSE-GRADE-AGG-RCA

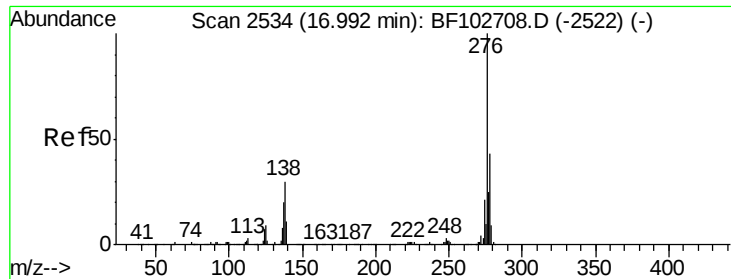
Tot Ion:228 Resp: 85979
Ion Ratio Lower Upper
228 100
226 27.6 22.6 33.8
229 21.3 15.8 23.6



#82
Chrysene
Concen: 4.291 ng
RT: 14.07 min Scan# 2038
Delta R.T. -0.01 min
Lab File: BF103165.D
Acq: 22 Feb 2018 16:37

Tgt Ion:228 Resp: 81353
Ion Ratio Lower Upper
228 100
226 29.5 25.0 37.6
229 23.0 16.2 24.4

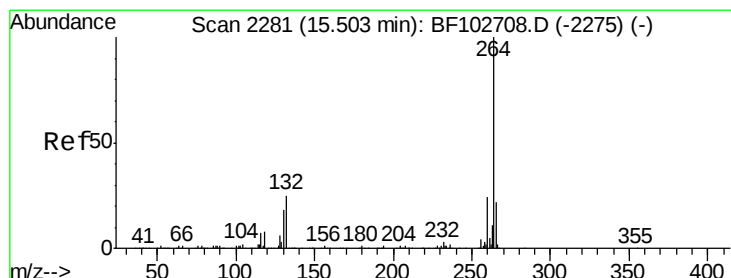
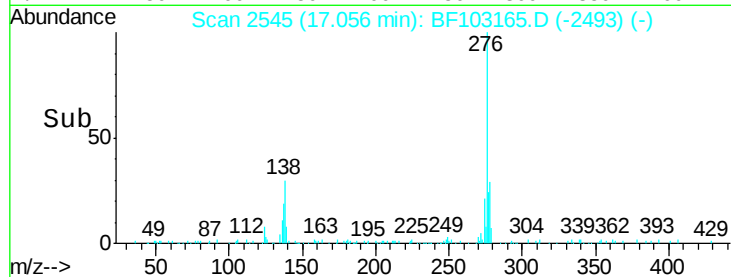
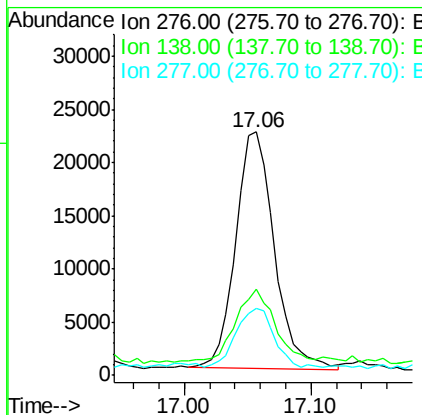
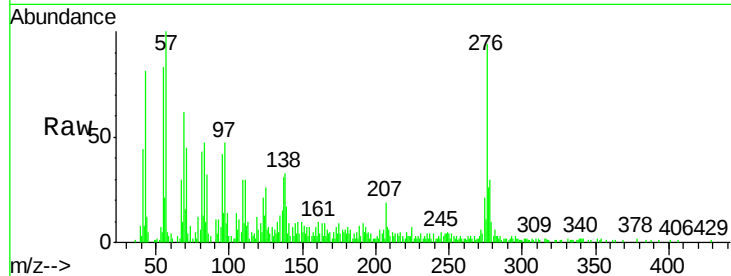




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.136 ng
 RT: 17.06 min Scan# 2545
 Delta R.T. 0.01 min
 Lab File: BF103165.D
 Acq: 22 Feb 2018 16:37

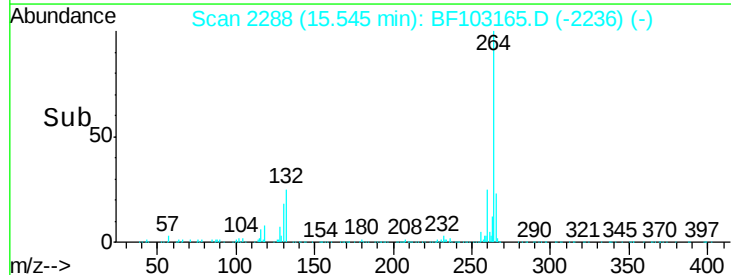
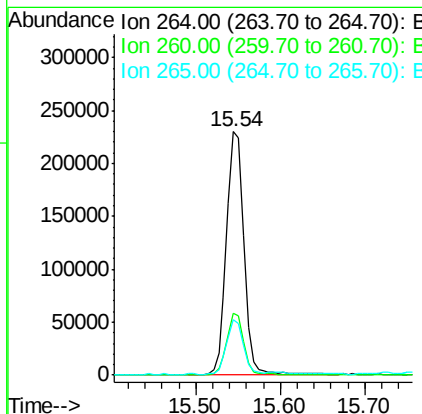
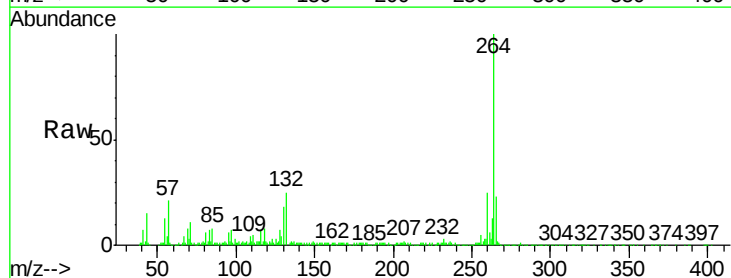
Instrument :
 BNA_F
 ClientSampleId :
 3-4-DENSE-GRADE-AGG-RCA

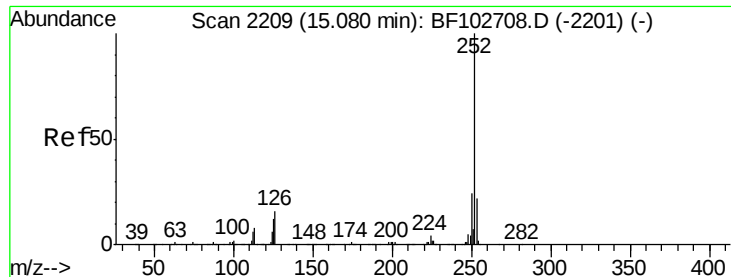
Tot Ion	Ratio	Lower	Upper
276	100		
138	31.0	25.0	37.6
277	25.3	20.1	30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.54 min Scan# 2288
 Delta R.T. 0.01 min
 Lab File: BF103165.D
 Acq: 22 Feb 2018 16:37

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.4	19.2	28.8
265	23.0	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 7.249 ng

RT: 15.11 min Scan# 2214

Delta R.T. 0.01 min

Lab File: BF103165.D

Acq: 22 Feb 2018 16:37

Instrument :

BNA_F

ClientSampleId :

3-4-DENSE-GRADE-AGG-RCA

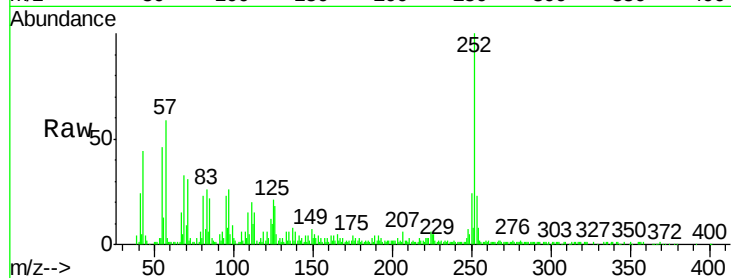
Tot Ion:252 Resp: 156173

Ion Ratio Lower Upper

252 100

253 22.7 17.0 25.6

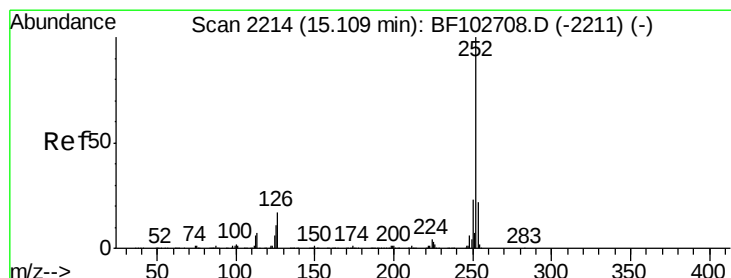
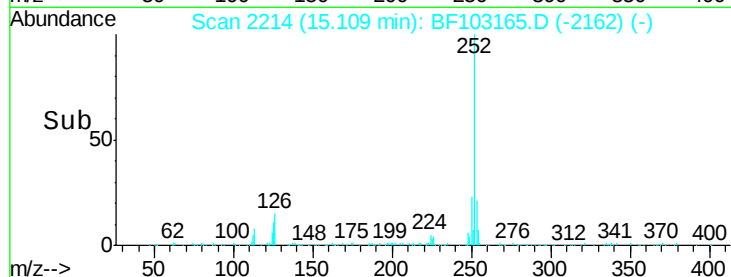
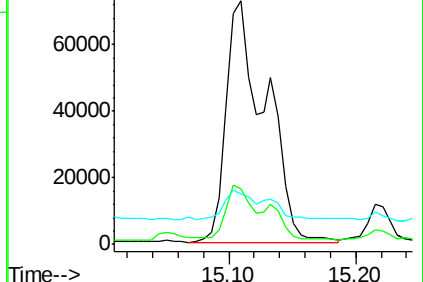
125 20.7 9.0 13.6#



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: 7.698 ng

RT: 15.11 min Scan# 2214

Delta R.T. -0.02 min

Lab File: BF103165.D

Acq: 22 Feb 2018 16:37

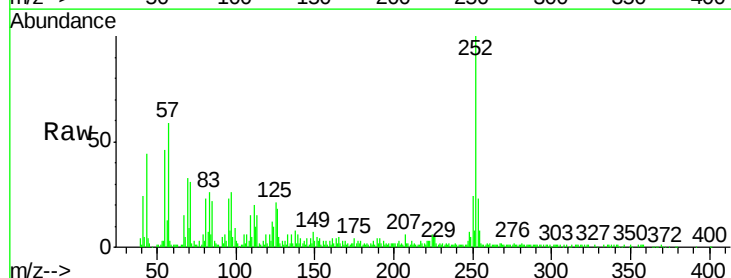
Tgt Ion:252 Resp: 156173

Ion Ratio Lower Upper

252 100

253 22.7 17.9 26.9

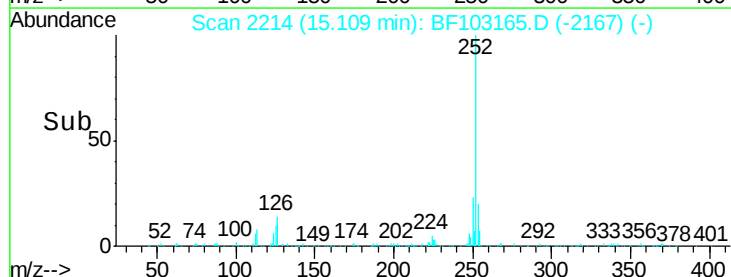
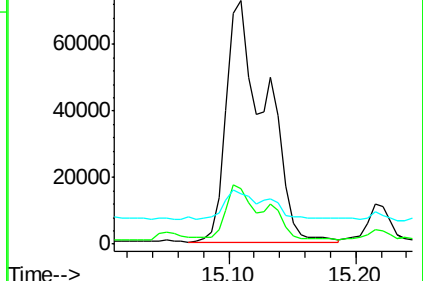
125 20.7 10.2 15.2#

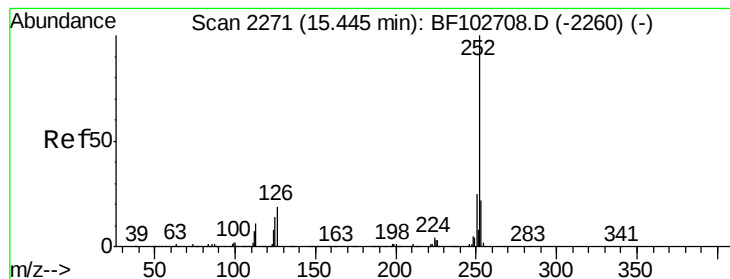


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 4.001 ng

RT: 15.48 min Scan# 2277

Delta R.T. 0.01 min

Lab File: BF103165.D

Acq: 22 Feb 2018 16:37

Instrument :

BNA_F

ClientSampleId :

3-4-DENSE-GRADE-AGG-RCA

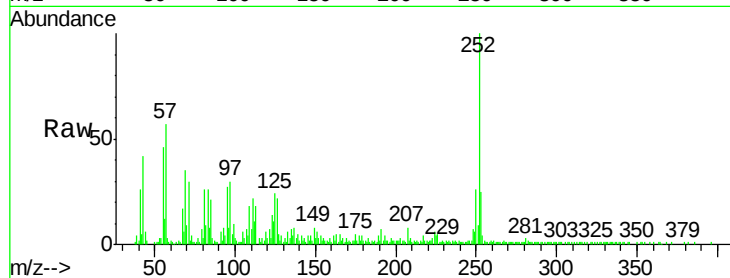
Tot Ion:252 Resp: 76980

Ion Ratio Lower Upper

252 100

253 25.3 17.1 25.7

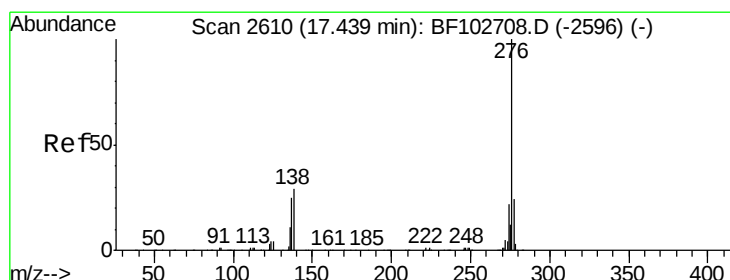
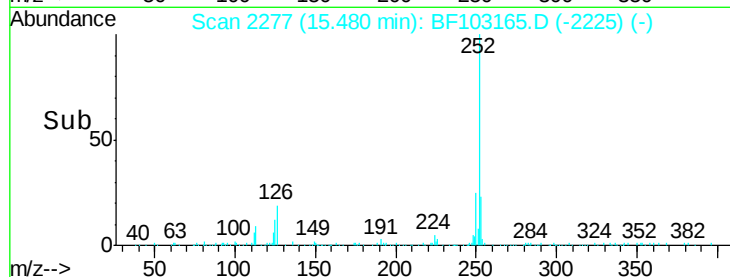
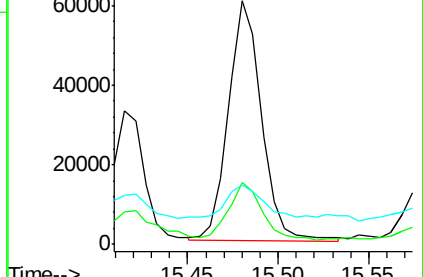
125 24.3 9.8 14.6#



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: 2.742 ng

RT: 17.52 min Scan# 2623

Delta R.T. 0.01 min

Lab File: BF103165.D

Acq: 22 Feb 2018 16:37

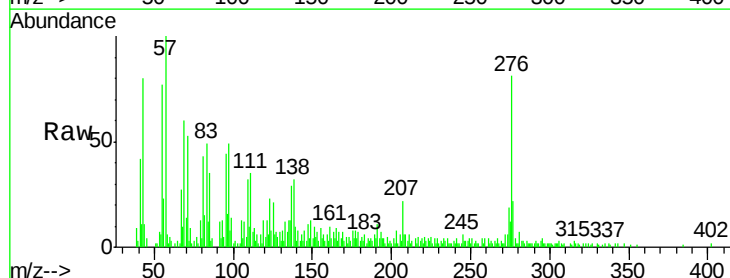
Tgt Ion:276 Resp: 39846

Ion Ratio Lower Upper

276 100

277 27.4 17.9 26.9#

138 39.5 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

