

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121915\
 Data File : BF083929.D
 Acq On : 18 Dec 2015 22:44
 Operator : UM/SJ
 Sample : G4759-04RE
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 K1210-0-2RE

Quant Time: Dec 19 04:19:12 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 18 14:23:22 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	135638	20.00	ng	-0.01
21) Naphthalene-d8	8.16	136	516457	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	245165	20.00	ng	-0.01
63) Phenanthrene-d10	11.40	188	334566	20.00	ng	0.01
75) Chrysene-d12	14.05	240	232478	20.00	ng	0.02
86) Perylene-d12	15.51	264	220845	20.00	ng	0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	413037	47.66	ng	0.00
7) Phenol-d6	6.51	99	514743	48.52	ng	0.00
23) Nitrobenzene-d5	7.42	82	324509	35.86	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	116386	43.09	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	755864	39.70	ng	-0.01
78) Terphenyl-d14	13.00	244	338668	30.00	ng	0.02

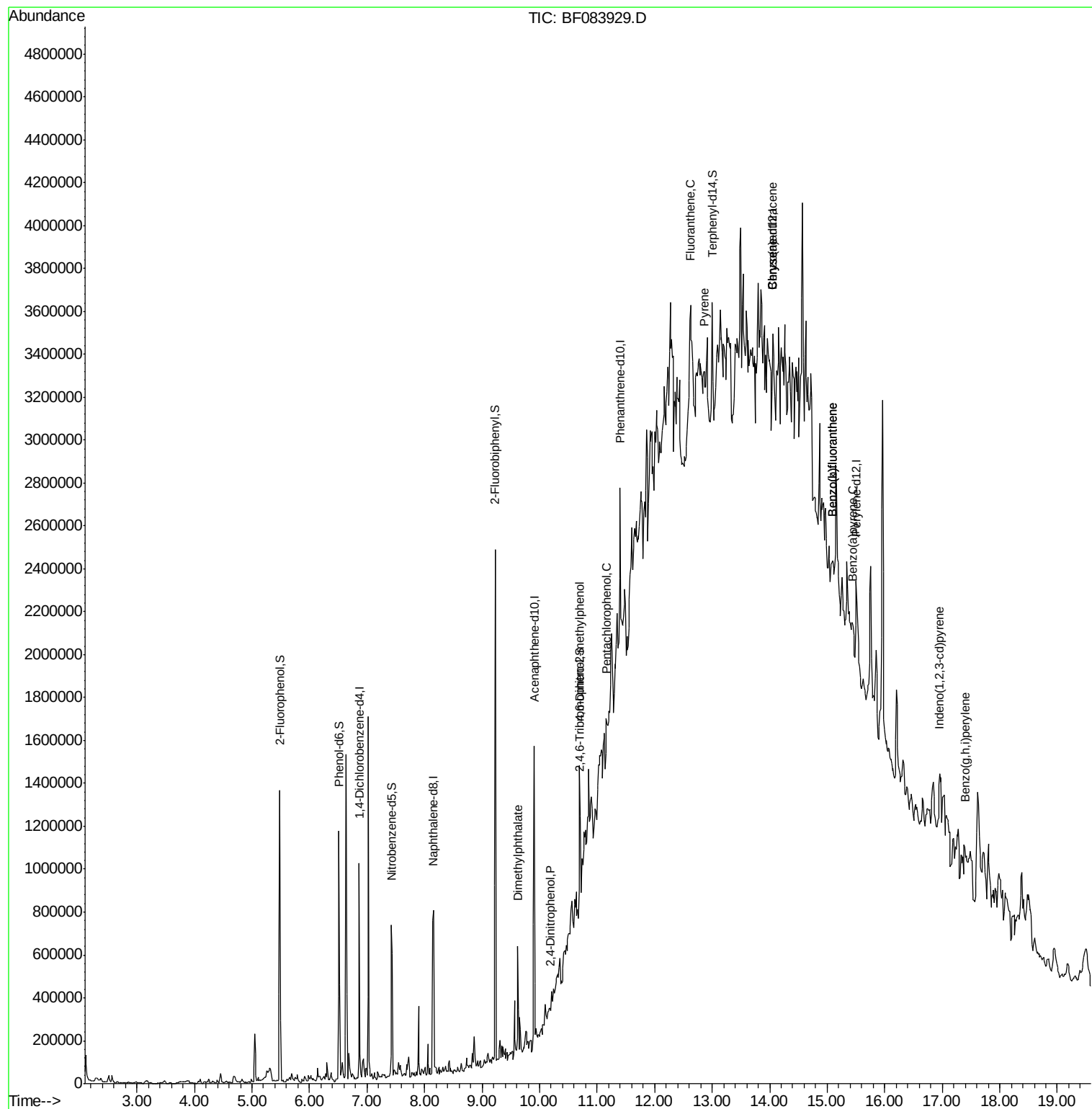
Target Compounds				Qvalue		
31) Naphthalene	8.17	128	23713	Below Cal		98
36) 4-Chloro-3-methylphenol	8.73	107	2703	Below Cal	#	20
45) 1,1'-Biphenyl	9.32	154	4665	Below Cal		98
46) 2-Chloronaphthalene	9.34	162	281	Below Cal	#	1
49) Dimethylphthalate	9.62	163	201816	9.81	ng	90
53) 2,4-Dinitrophenol	10.19	184	220	10.41	ng	1
57) Fluorene	10.45	166	6394	Below Cal	#	41
64) 4,6-Dinitro-2-methylphenol	10.69	198	257	4.04	ng	1
69) Pentachlorophenol	11.16	266	213	4.83	ng	18
74) Fluoranthene	12.62	202	61432	3.05	ng	78
77) Pyrene	12.85	202	83718	2.11	ng	89
80) Benzo(a)anthracene	14.05	228	48092	3.36	ng	76
82) Chrysene	14.05	228	48092	3.48	ng	81
85) Indeno(1,2,3-cd)pyrene	16.96	276	48583	4.71	ng	96
87) Benzo(b)fluoranthene	15.09	252	87245	5.42	ng	29
88) Benzo(k)fluoranthene	15.09	252	87245	6.57	ng	25
89) Benzo(a)pyrene	15.45	252	51319	3.86	ng	35
91) Benzo(g,h,i)perylene	17.39	276	78796	7.77	ng	93

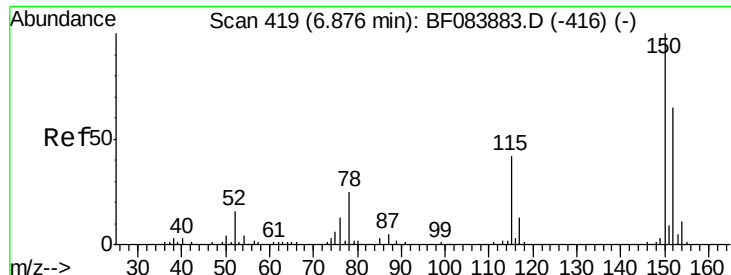
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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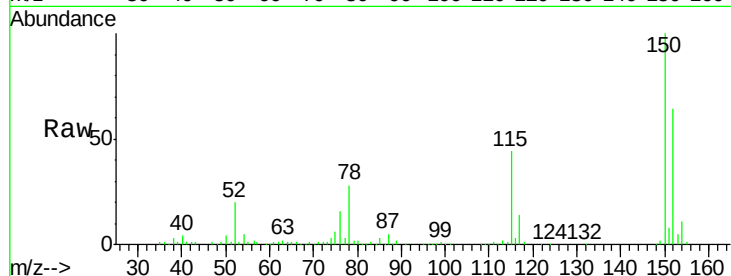




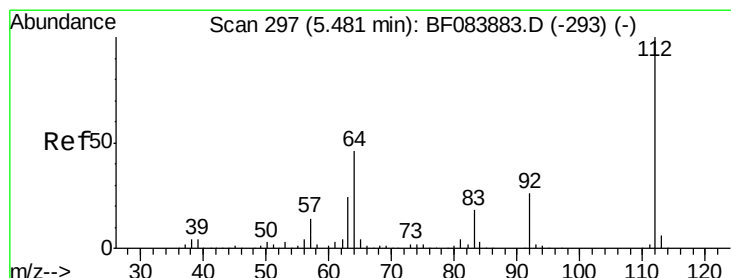
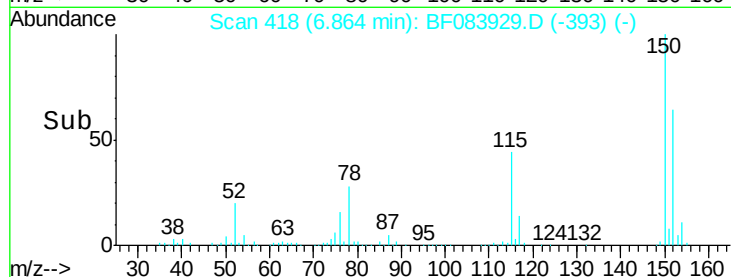
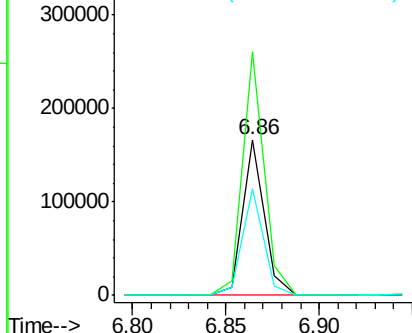
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.86 min Scan# 418
 Delta R.T. -0.01 min
 Lab File: BF083929.D
 Acq: 18 Dec 2015 22:44

Instrument :
 BNA_F
 ClientSampleId :
 K1210-0-2RE

Tgt Ion:152 Resp: 135638
 Ion Ratio Lower Upper
 152 100
 150 156.1 123.0 184.4
 115 68.3 51.4 77.2

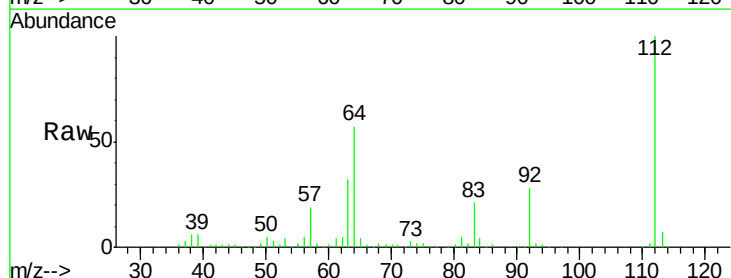


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

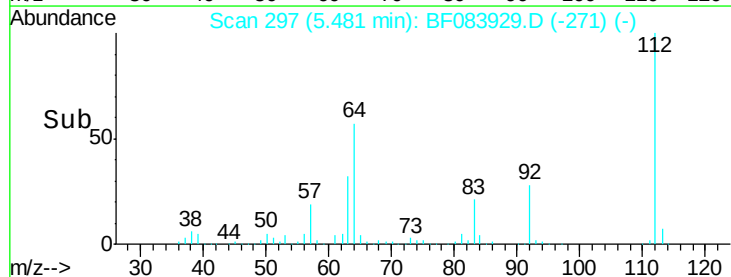
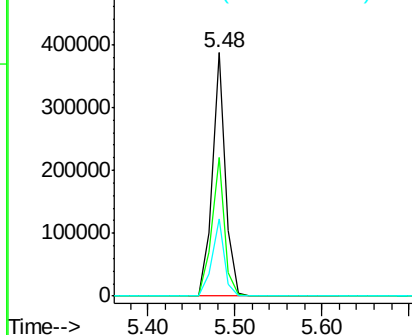


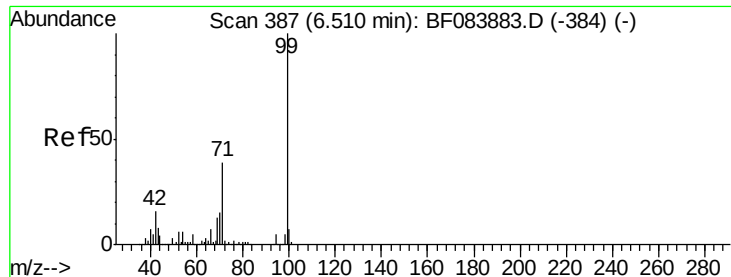
#5
 2-Fluorophenol
 Concen: 47.66 ng
 RT: 5.48 min Scan# 297
 Delta R.T. -0.00 min
 Lab File: BF083929.D
 Acq: 18 Dec 2015 22:44

Tgt Ion:112 Resp: 413037
 Ion Ratio Lower Upper
 112 100
 64 57.1 36.6 55.0#
 63 31.7 19.4 29.0#



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF0
 Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 48.52 ng

RT: 6.51 min Scan# 387

Delta R.T. -0.00 min

Lab File: BF083929.D

Acq: 18 Dec 2015 22:44

Instrument :

BNA_F

ClientSampleId :

K1210-0-2RE

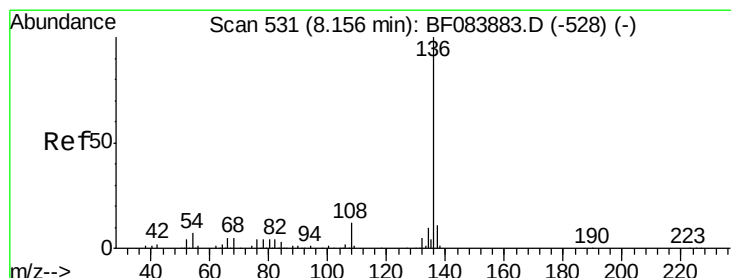
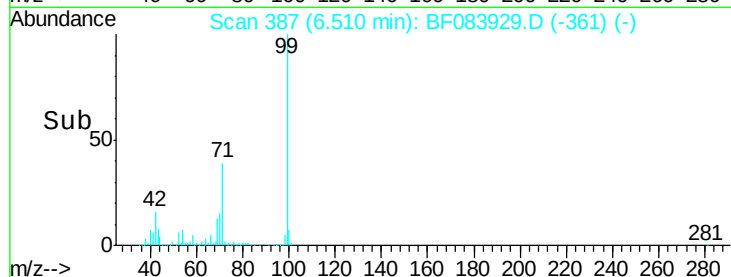
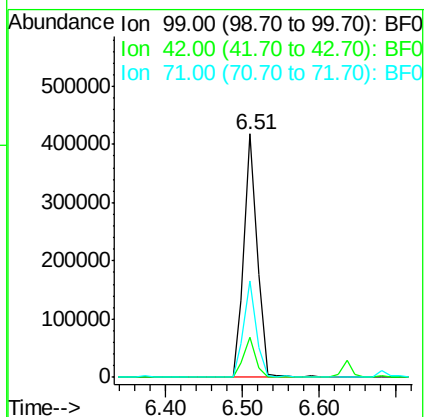
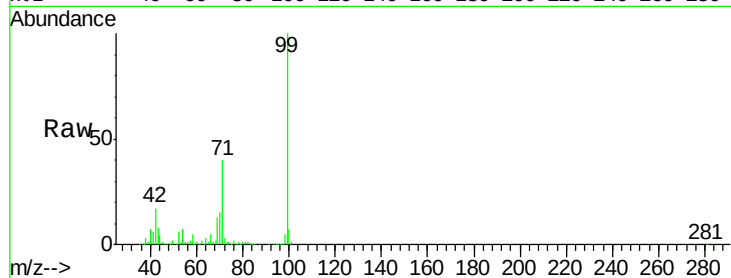
Tgt Ion: 99 Resp: 514743

Ion Ratio Lower Upper

99 100

42 16.5 12.8 19.2

71 39.6 30.9 46.3



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.16 min Scan# 531

Delta R.T. -0.00 min

Lab File: BF083929.D

Acq: 18 Dec 2015 22:44

Tgt Ion: 136 Resp: 516457

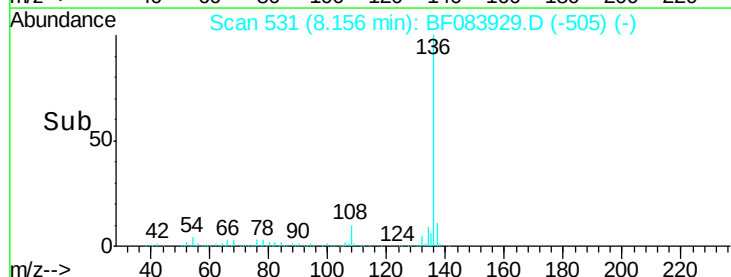
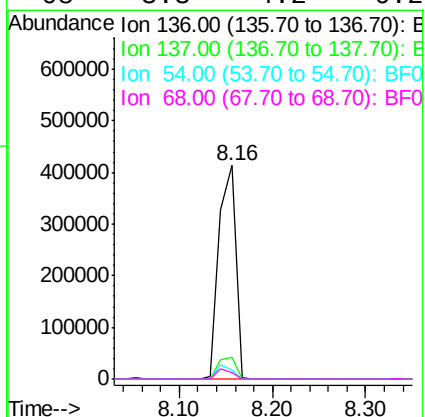
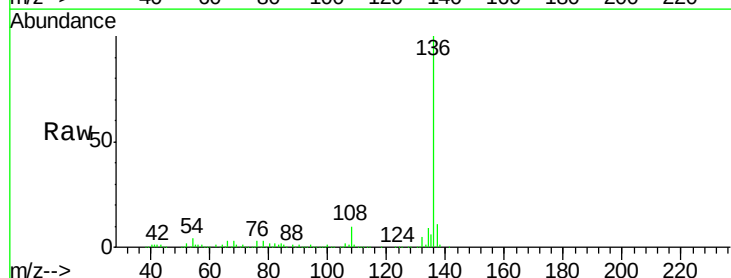
Ion Ratio Lower Upper

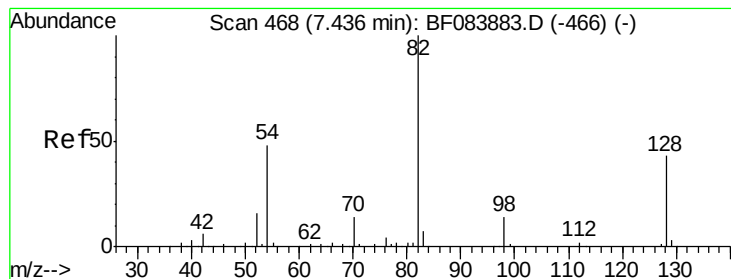
136 100

137 10.5 8.7 13.1

54 4.2 5.8 8.8#

68 3.3 4.2 6.2#





#23

Nitrobenzene-d5

Concen: 35.86 ng

RT: 7.42 min Scan# 467

Delta R.T. -0.01 min

Lab File: BF083929.D

Acq: 18 Dec 2015 22:44

Instrument :

BNA_F

ClientSampleId :

K1210-0-2RE

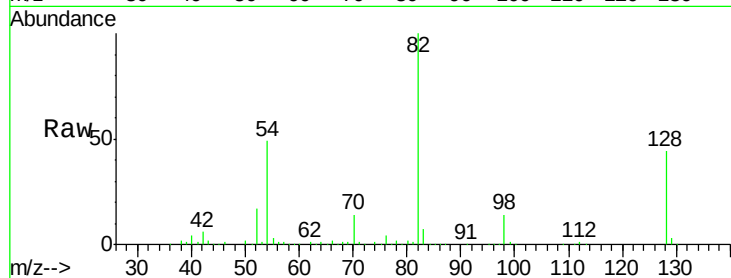
Tgt Ion: 82 Resp: 324509

Ion Ratio Lower Upper

82 100

128 44.1 34.6 51.8

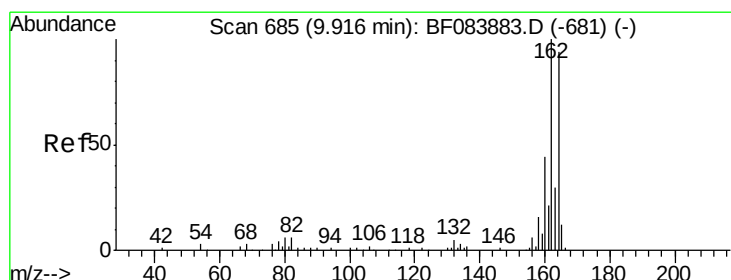
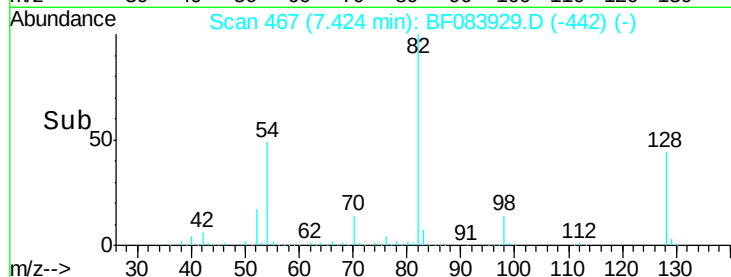
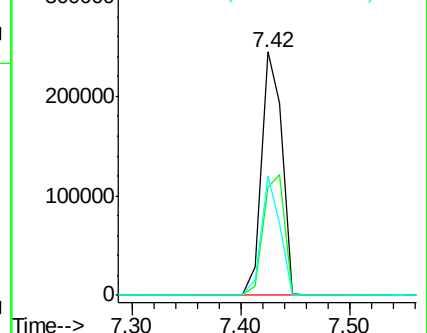
54 49.1 38.4 57.6



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.90 min Scan# 684

Delta R.T. -0.01 min

Lab File: BF083929.D

Acq: 18 Dec 2015 22:44

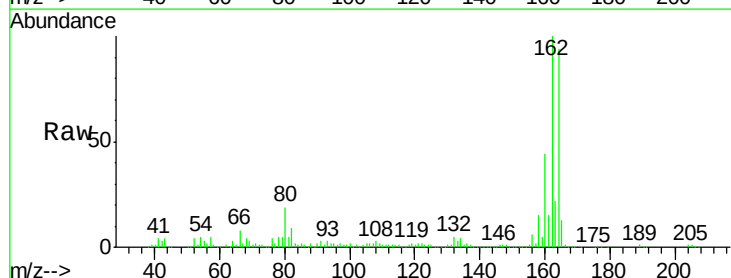
Tgt Ion: 164 Resp: 245165

Ion Ratio Lower Upper

164 100

162 105.8 85.1 127.7

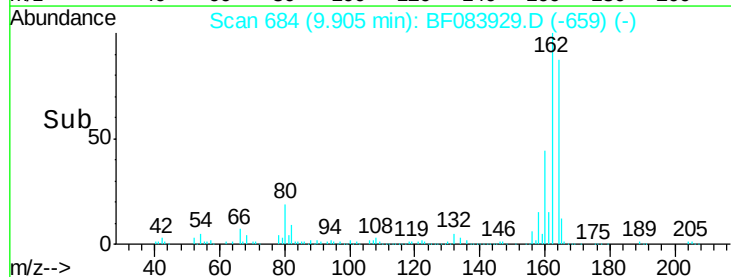
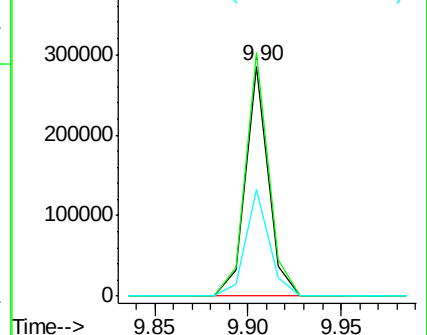
160 46.4 37.5 56.3

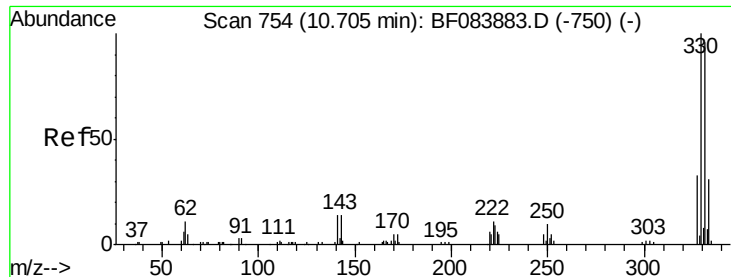


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

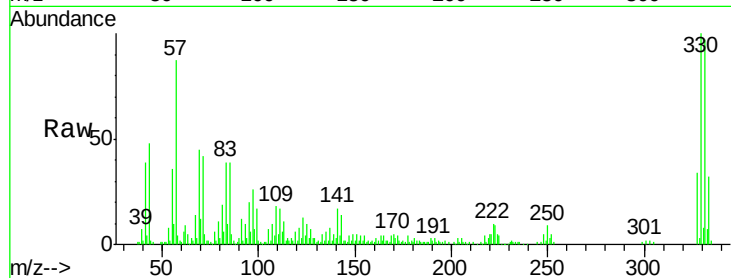




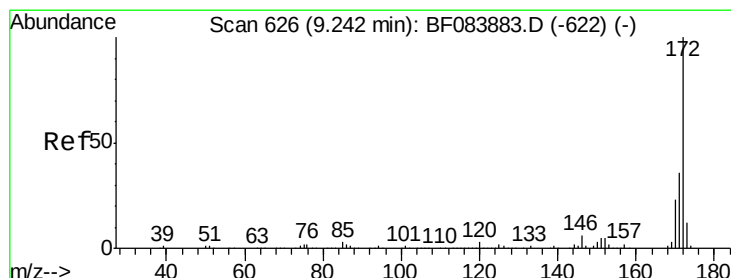
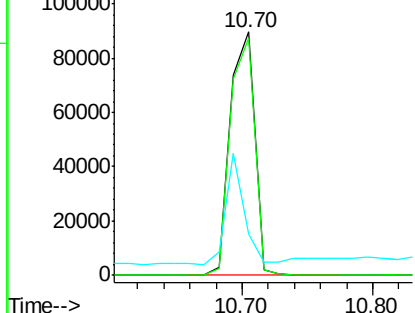
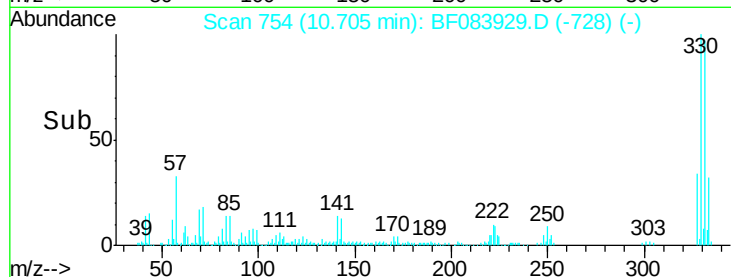
#41
 2,4,6-Tribromophenol
 Concen: 43.09 ng
 RT: 10.70 min Scan# 754
 Delta R.T. -0.00 min
 Lab File: BF083929.D
 Acq: 18 Dec 2015 22:44

Instrument :
 BNA_F
 ClientSampleId :
 K1210-0-2RE

Tgt Ion:330 Resp: 116386
 Ion Ratio Lower Upper
 330 100
 332 97.8 76.6 114.8
 141 33.9 27.8 41.6

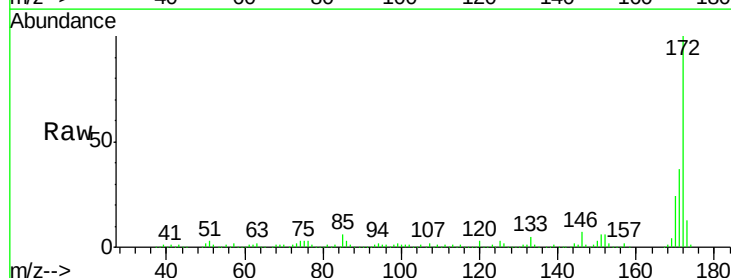


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

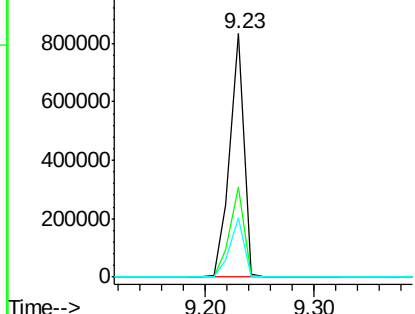
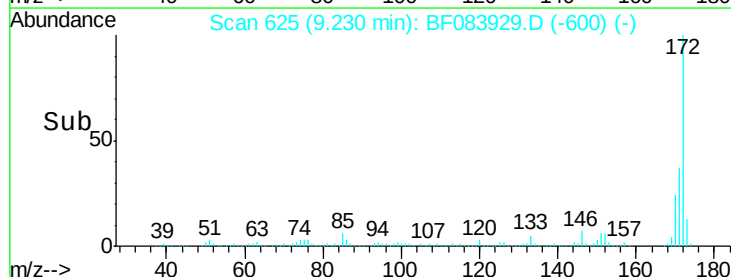


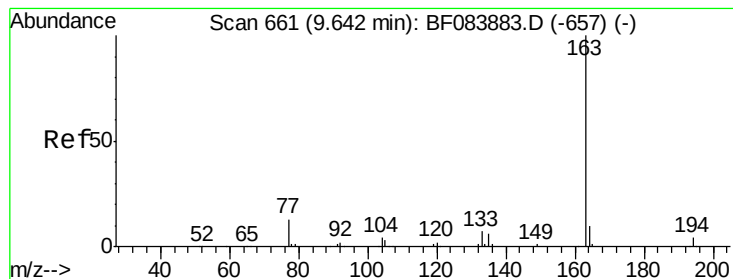
#44
 2-Fluorobiphenyl
 Concen: 39.70 ng
 RT: 9.23 min Scan# 625
 Delta R.T. -0.01 min
 Lab File: BF083929.D
 Acq: 18 Dec 2015 22:44

Tgt Ion:172 Resp: 755864
 Ion Ratio Lower Upper
 172 100
 171 36.9 28.9 43.3
 170 24.2 18.6 27.8



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: 9.81 ng

RT: 9.62 min Scan# 659

Delta R.T. -0.02 min

Lab File: BF083929.D

Acq: 18 Dec 2015 22:44

Instrument :

BNA_F

ClientSampleId :

K1210-0-2RE

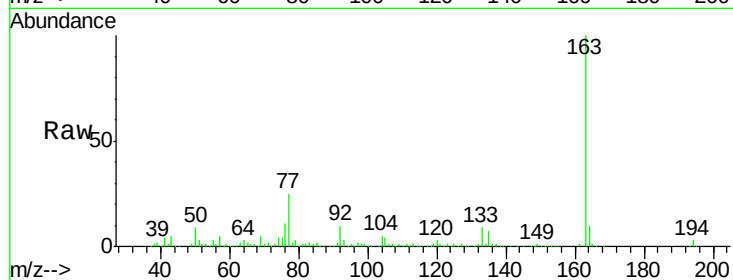
Tgt Ion:163 Resp: 201816

Ion Ratio Lower Upper

163 100

194 3.0 8.0 12.0#

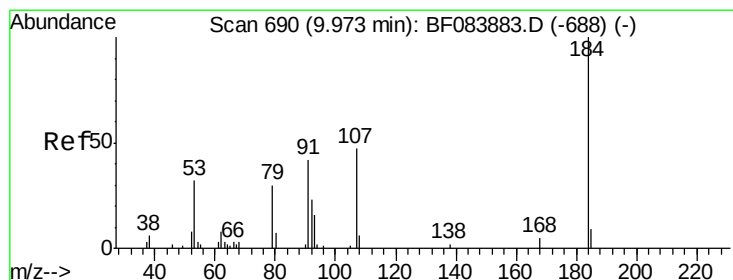
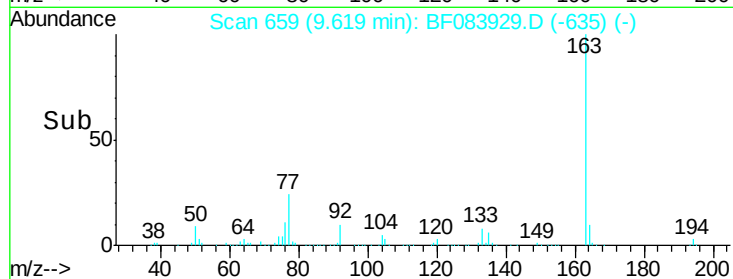
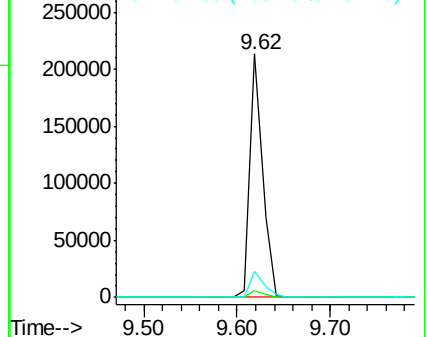
164 10.5 8.0 12.0



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



#53

2,4-Dinitrophenol

Concen: 10.41 ng

RT: 10.19 min Scan# 709

Delta R.T. 0.22 min

Lab File: BF083929.D

Acq: 18 Dec 2015 22:44

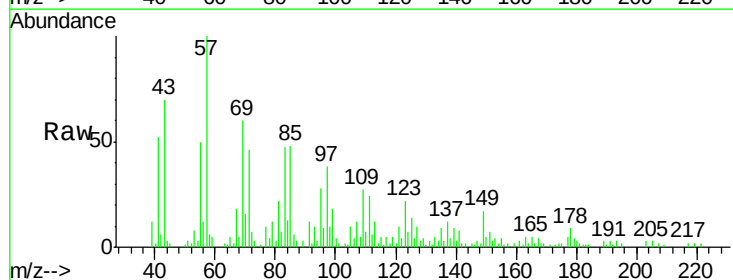
Tgt Ion:184 Resp: 220

Ion Ratio Lower Upper

184 100

63 209.7 43.1 64.7#

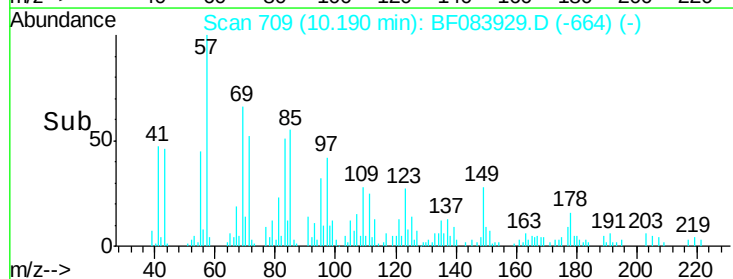
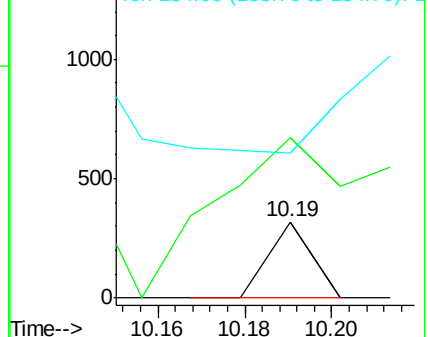
154 190.6 60.5 90.7#

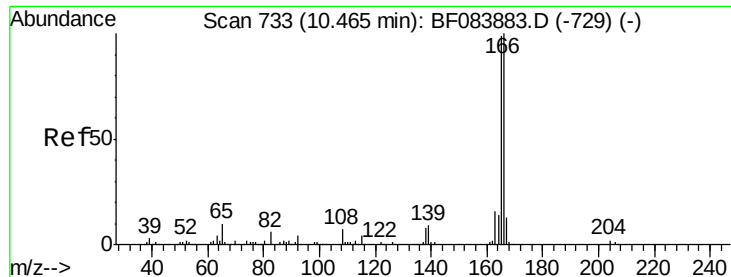


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E

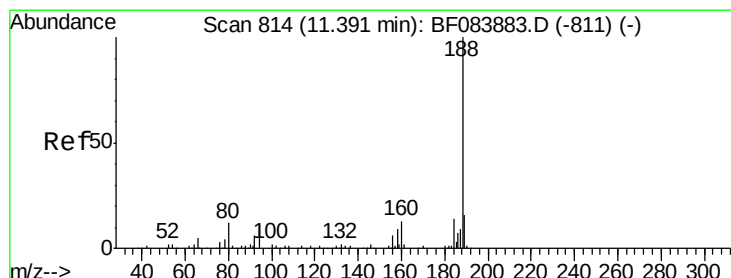
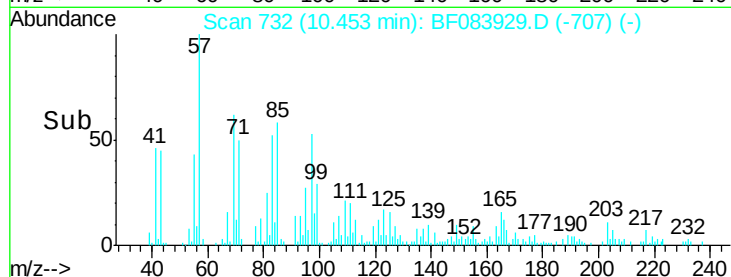
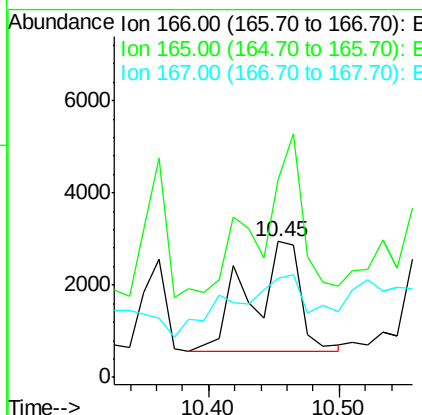
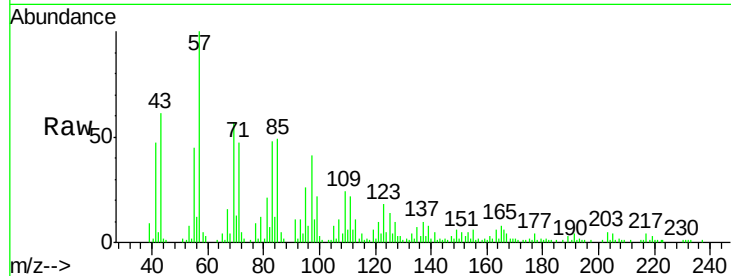




#57
Fluorene
 Concen: Below Cal
 RT: 10.45 min Scan# 732
 Delta R.T. -0.01 min
 Lab File: BF083929.D
 Acq: 18 Dec 2015 22:44

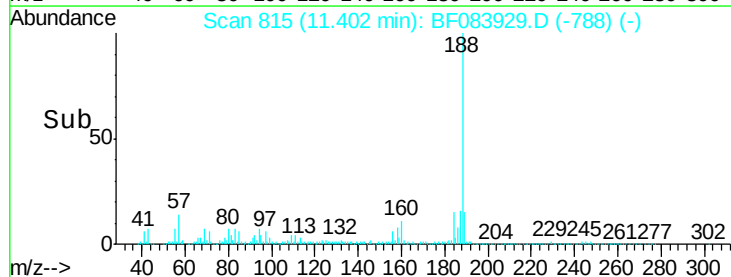
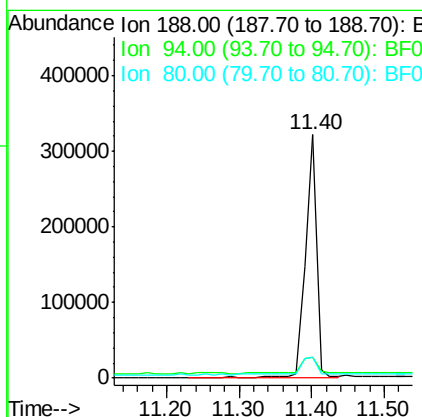
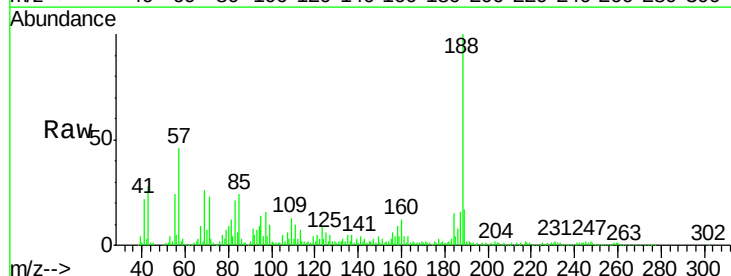
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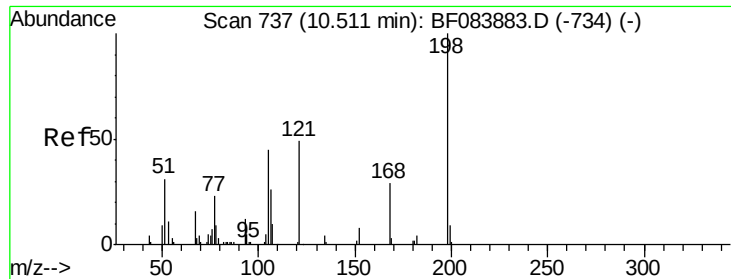
Tgt Ion:166 Resp: 6394
 Ion Ratio Lower Upper
 166 100
 165 145.1 79.1 118.7#
 167 72.9 10.4 15.6#



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.40 min Scan# 815
 Delta R.T. 0.01 min
 Lab File: BF083929.D
 Acq: 18 Dec 2015 22:44

Tgt Ion:188 Resp: 334566
 Ion Ratio Lower Upper
 188 100
 94 8.7 9.0 13.4#
 80 8.5 9.6 14.4#





#64

4,6-Dinitro-2-methylphenol

Concen: 4.04 ng

RT: 10.69 min Scan# 753

Delta R.T. 0.18 min

Lab File: BF083929.D

Acq: 18 Dec 2015 22:44

Instrument :

BNA_F

ClientSampleId :

K1210-0-2RE

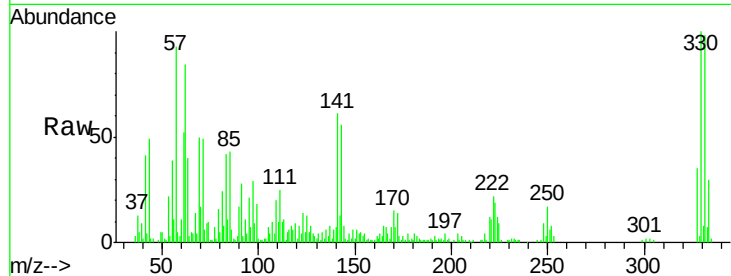
Tgt Ion:198 Resp: 257

Ion Ratio Lower Upper

198 100

51 415.7 18.9 58.9#

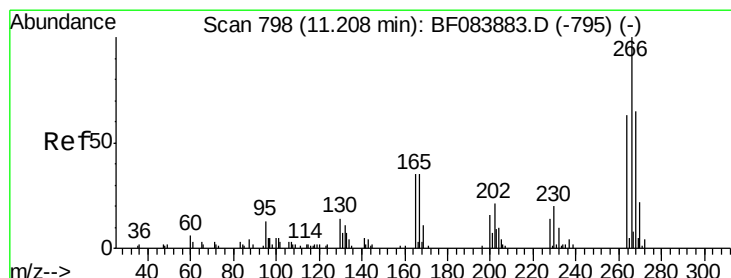
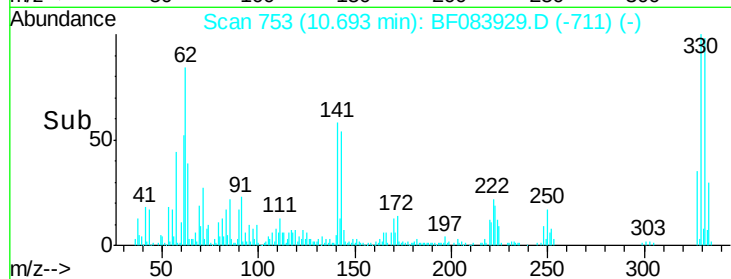
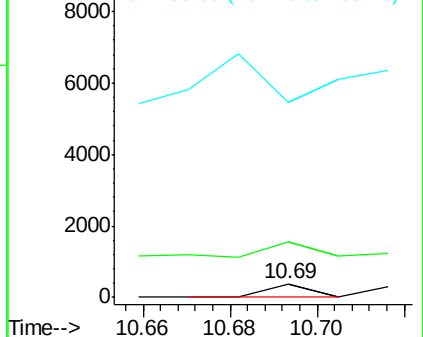
105 1459.7 26.4 66.4#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#69

Pentachlorophenol

Concen: 4.83 ng

RT: 11.16 min Scan# 794

Delta R.T. -0.05 min

Lab File: BF083929.D

Acq: 18 Dec 2015 22:44

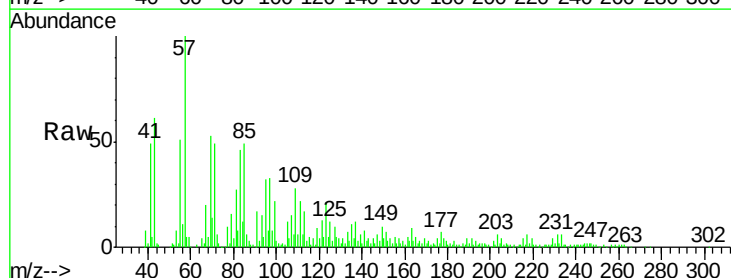
Tgt Ion:266 Resp: 213

Ion Ratio Lower Upper

266 100

268 0.0 52.4 78.6#

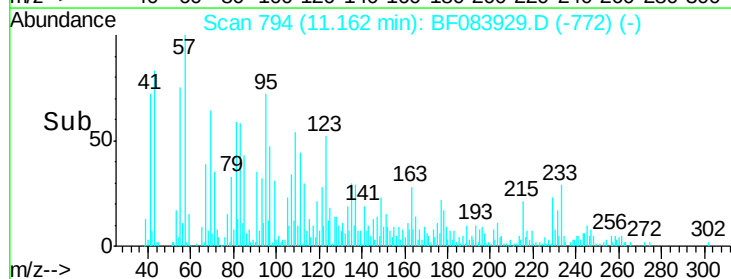
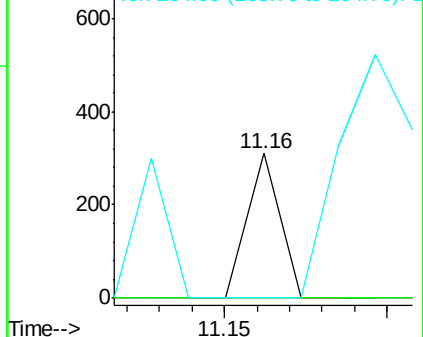
264 0.0 50.2 75.2#

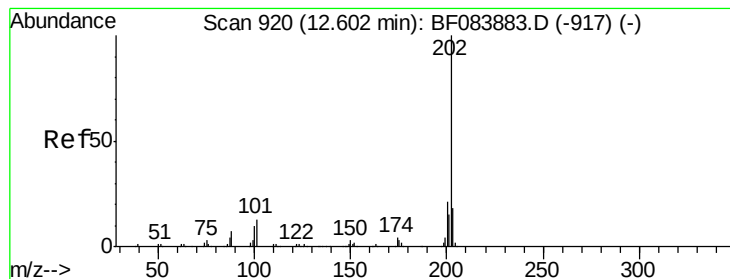


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#74

Fluoranthene

Concen: 3.05 ng

RT: 12.62 min Scan# 922

Delta R.T. 0.02 min

Lab File: BF083929.D

Acq: 18 Dec 2015 22:44

Instrument :

BNA_F

ClientSampleId :

K1210-0-2RE

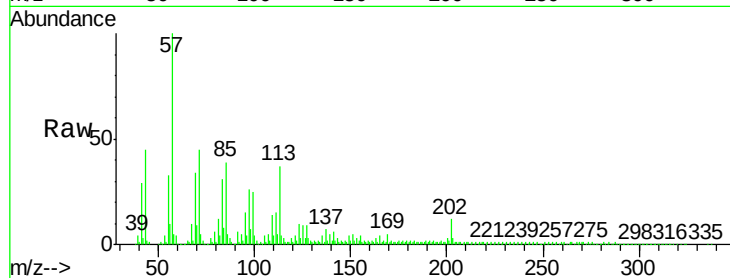
Tgt Ion:202 Resp: 61432

Ion Ratio Lower Upper

202 100

101 21.0 0.0 32.8

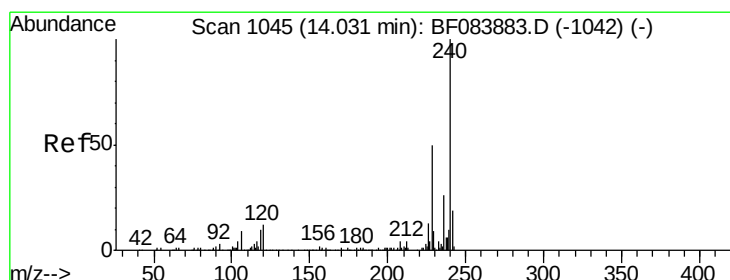
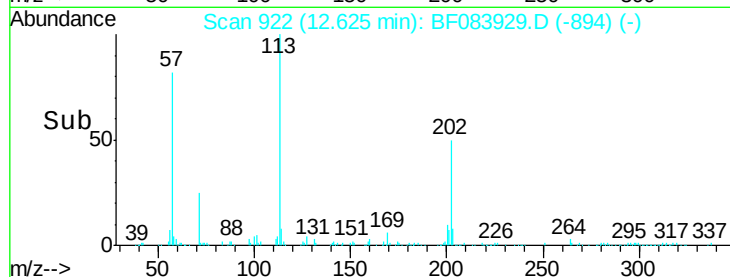
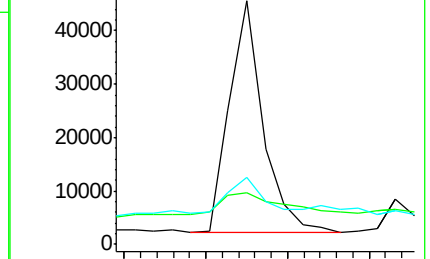
203 27.7 0.0 37.9



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# 1047

Delta R.T. 0.02 min

Lab File: BF083929.D

Acq: 18 Dec 2015 22:44

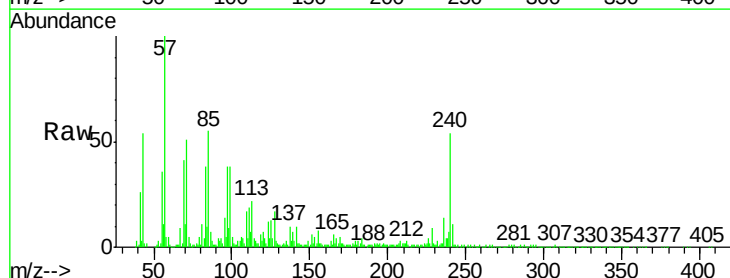
Tgt Ion:240 Resp: 232478

Ion Ratio Lower Upper

240 100

120 13.7 9.5 14.3

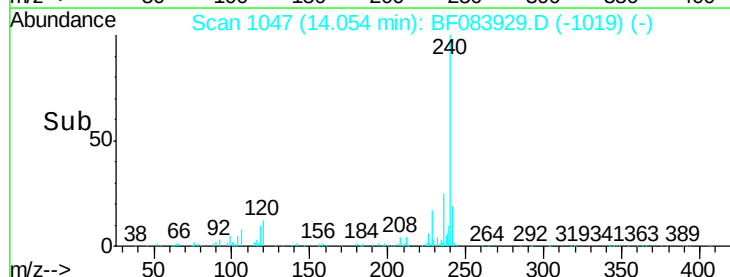
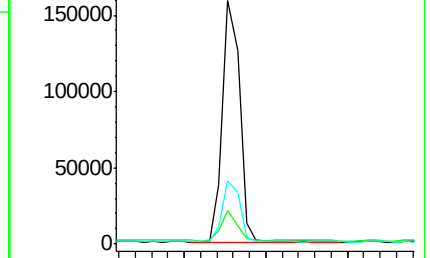
236 25.7 20.6 31.0

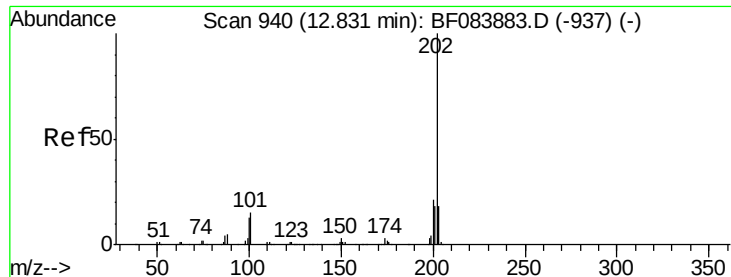


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 2.11 ng

RT: 12.85 min Scan# 942

Delta R.T. 0.02 min

Lab File: BF083929.D

Acq: 18 Dec 2015 22:44

Instrument :

BNA_F

ClientSampleId :

K1210-0-2RE

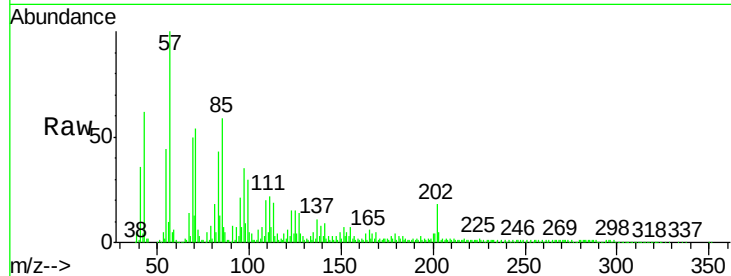
Tgt Ion:202 Resp: 83718

Ion Ratio Lower Upper

202 100

200 22.9 17.2 25.8

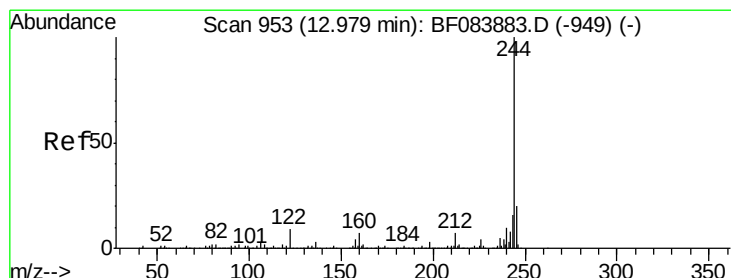
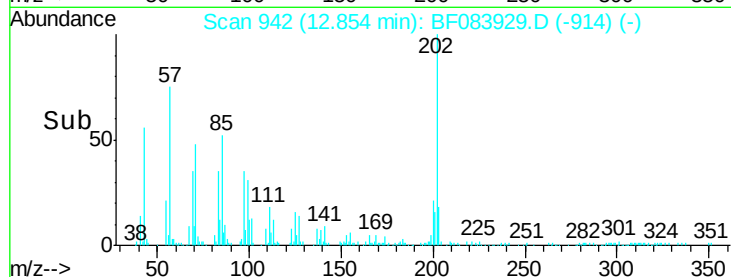
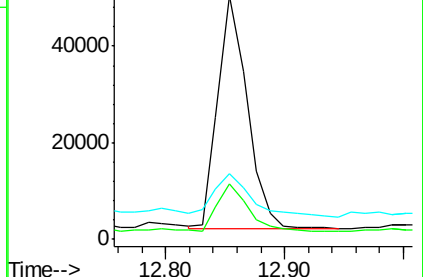
203 27.1 14.3 21.5#



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: 30.00 ng

RT: 13.00 min Scan# 955

Delta R.T. 0.02 min

Lab File: BF083929.D

Acq: 18 Dec 2015 22:44

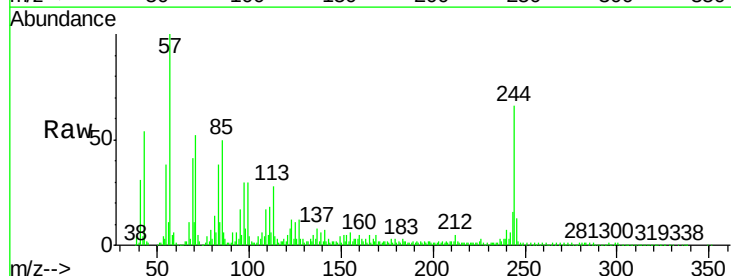
Tgt Ion:244 Resp: 338668

Ion Ratio Lower Upper

244 100

212 7.4 5.7 8.5

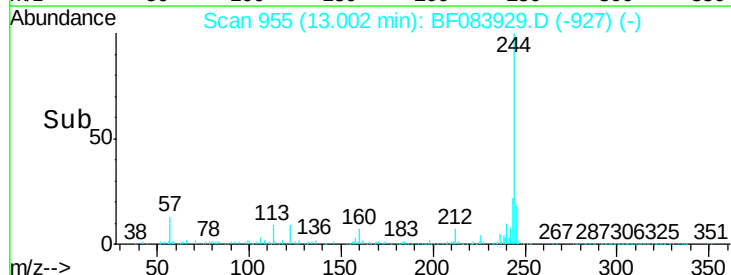
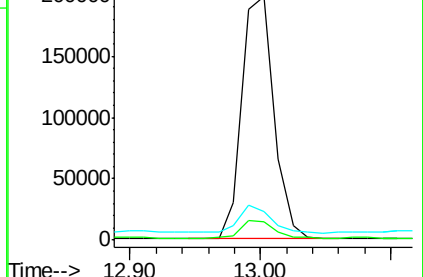
122 12.0 7.4 11.0#

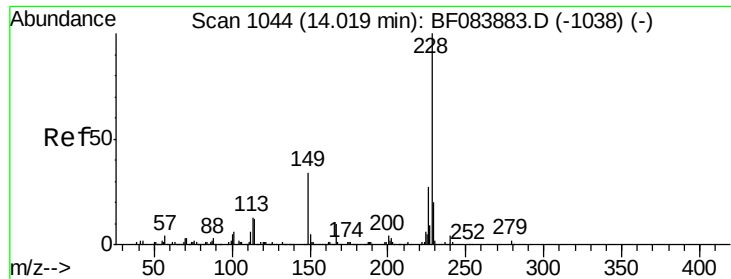


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 3.36 ng

RT: 14.05 min Scan# 1047

Delta R.T. 0.03 min

Lab File: BF083929.D

Acq: 18 Dec 2015 22:44

Instrument :

BNA_F

ClientSampleId :

K1210-0-2RE

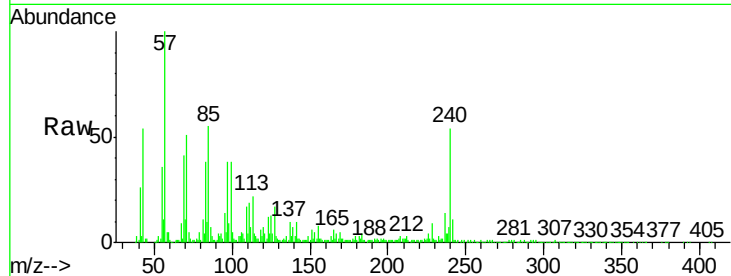
Tgt Ion:228 Resp: 48092

Ion Ratio Lower Upper

228 100

226 42.7 21.8 32.6#

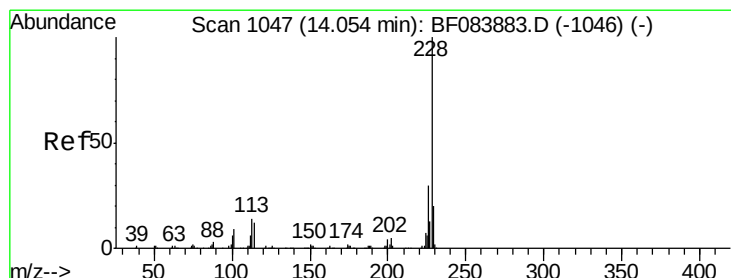
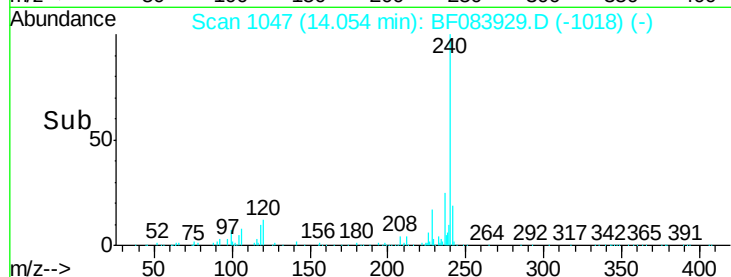
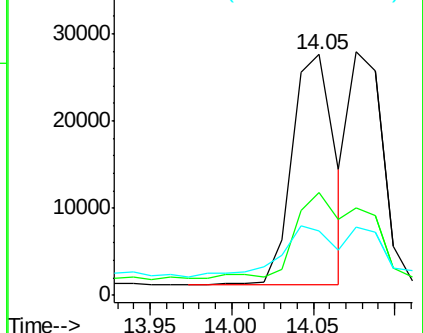
229 26.7 15.8 23.8#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 3.48 ng

RT: 14.05 min Scan# 1047

Delta R.T. -0.00 min

Lab File: BF083929.D

Acq: 18 Dec 2015 22:44

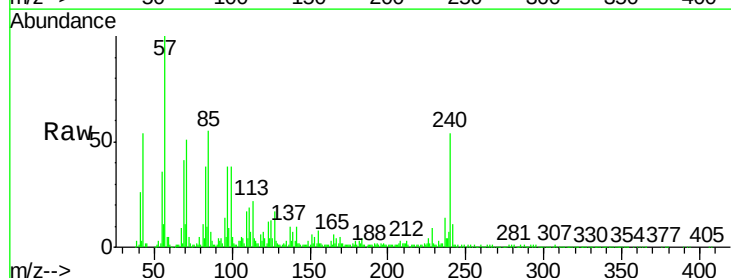
Tgt Ion:228 Resp: 48092

Ion Ratio Lower Upper

228 100

226 42.7 24.3 36.5#

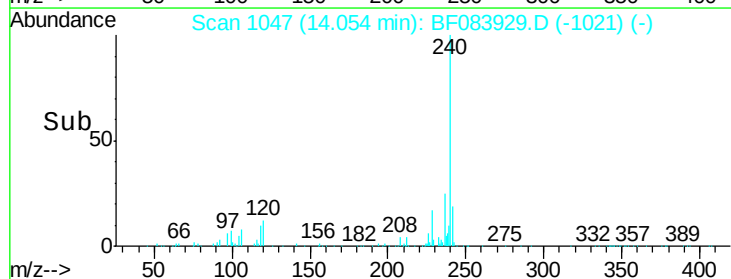
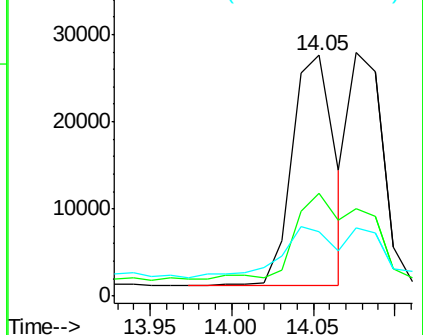
229 26.7 16.1 24.1#

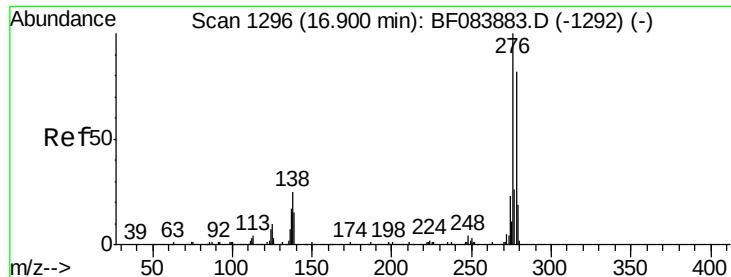


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

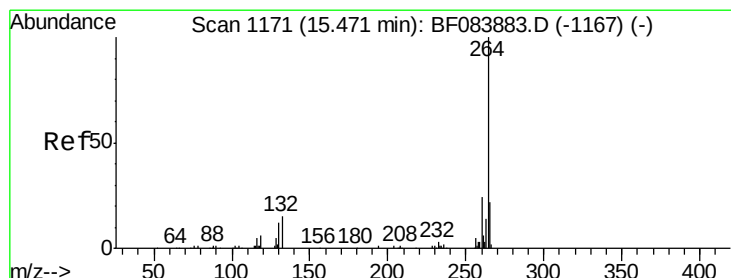
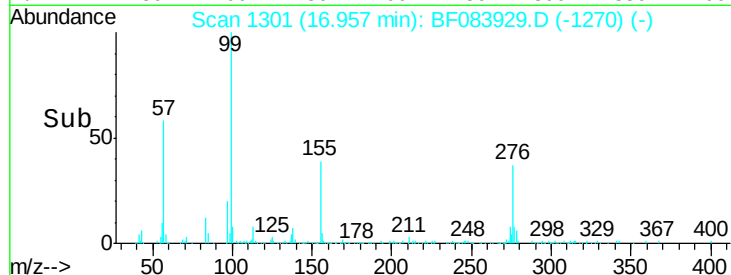
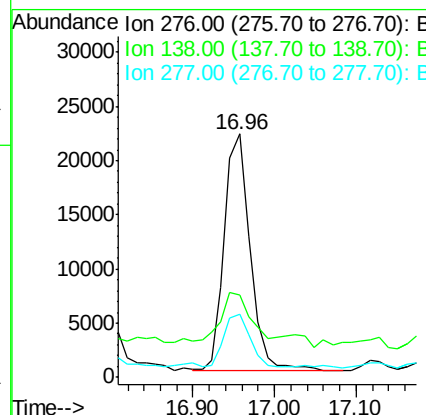
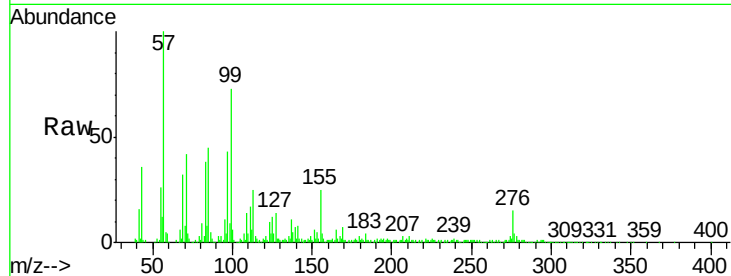




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.71 ng
 RT: 16.96 min Scan# 1301
 Delta R.T. 0.06 min
 Lab File: BF083929.D
 Acq: 18 Dec 2015 22:44

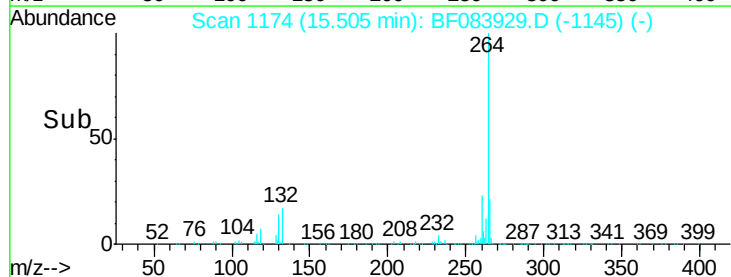
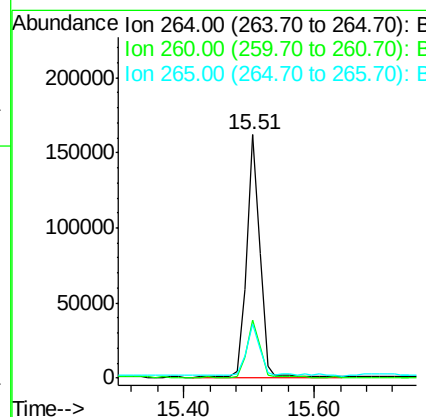
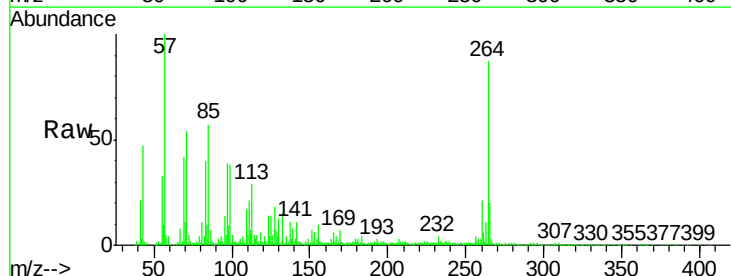
Instrument :
 BNA_F
 ClientSampleId :
 K1210-0-2RE

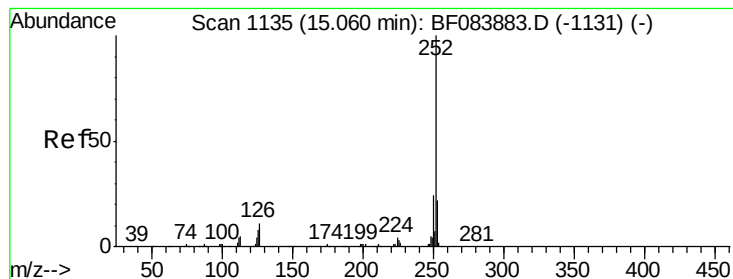
Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.1	20.6	30.8
277	23.4	20.1	30.1



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.51 min Scan# 1174
 Delta R.T. 0.03 min
 Lab File: BF083929.D
 Acq: 18 Dec 2015 22:44

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.4	29.2
265	22.4	17.8	26.6





#87

Benzo(b)fluoranthene

Concen: 5.42 ng

RT: 15.09 min Scan# 1138

Delta R.T. 0.03 min

Lab File: BF083929.D

Acq: 18 Dec 2015 22:44

Instrument :

BNA_F

ClientSampleId :

K1210-0-2RE

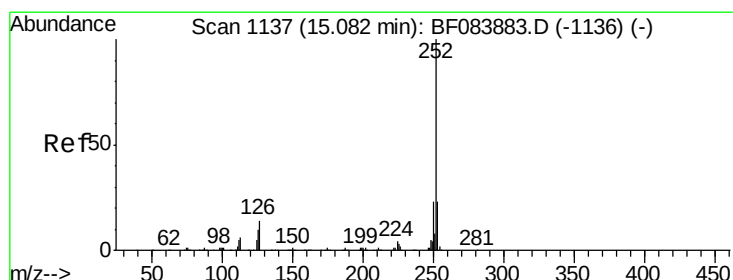
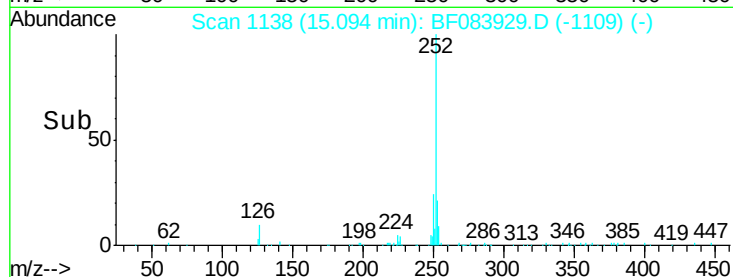
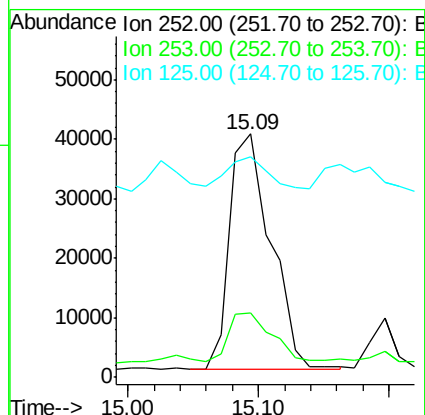
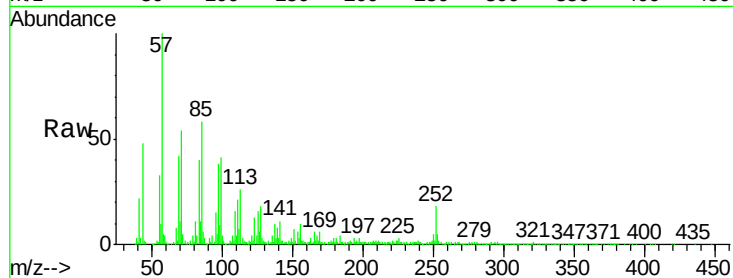
Tgt Ion:252 Resp: 87245

Ion Ratio Lower Upper

252 100

253 26.7 17.3 25.9#

125 90.6 6.5 9.7#



#88

Benzo(k)fluoranthene

Concen: 6.57 ng

RT: 15.09 min Scan# 1138

Delta R.T. 0.01 min

Lab File: BF083929.D

Acq: 18 Dec 2015 22:44

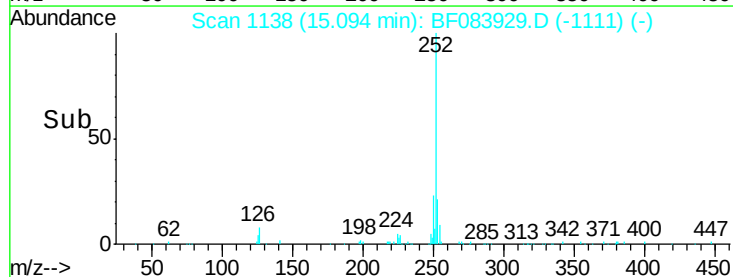
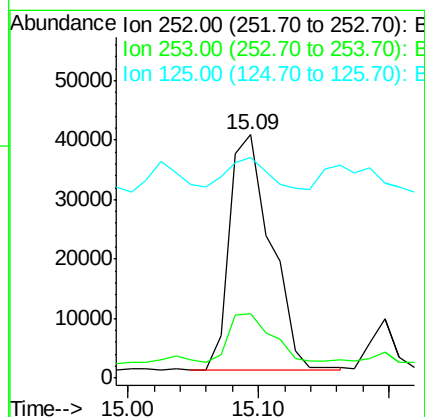
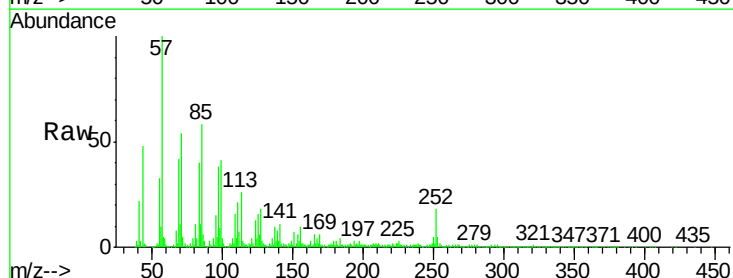
Tgt Ion:252 Resp: 87245

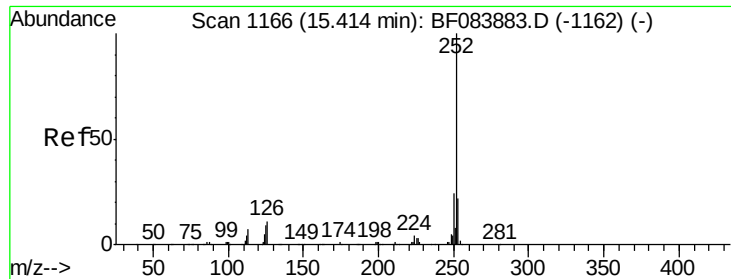
Ion Ratio Lower Upper

252 100

253 26.7 18.1 27.1

125 90.6 9.0 13.6#





#89

Benzo(a)pyrene

Concen: 3.86 ng

RT: 15.45 min Scan# 1169

Delta R.T. 0.03 min

Lab File: BF083929.D

Acq: 18 Dec 2015 22:44

Instrument :

BNA_F

ClientSampleId :

K1210-0-2RE

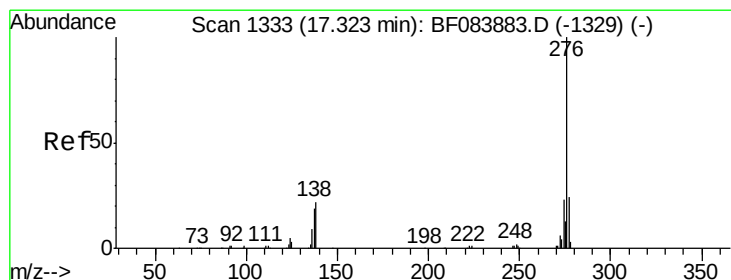
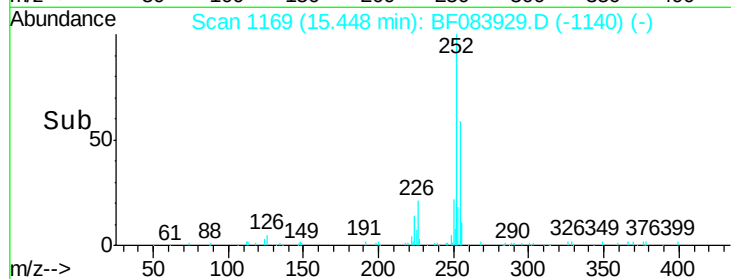
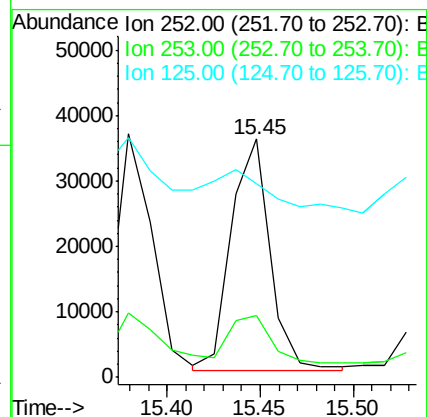
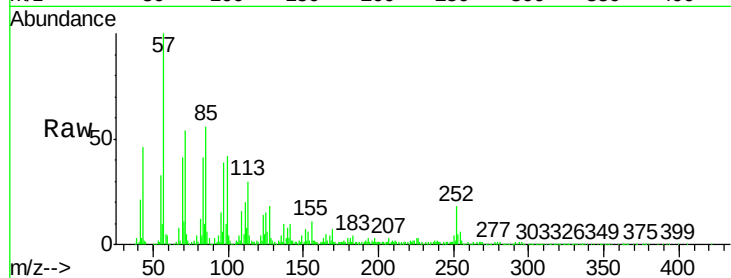
Tgt Ion:252 Resp: 51319

Ion Ratio Lower Upper

252 100

253 26.2 17.3 25.9#

125 81.5 7.0 10.4#



#91

Benzo(g,h,i)perylene

Concen: 7.77 ng

RT: 17.39 min Scan# 1339

Delta R.T. 0.07 min

Lab File: BF083929.D

Acq: 18 Dec 2015 22:44

Tgt Ion:276 Resp: 78796

Ion Ratio Lower Upper

276 100

277 23.5 18.8 28.2

138 28.6 17.8 26.6#

