

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121915\
 Data File : BF083930.D
 Acq On : 18 Dec 2015 23:12
 Operator : UM/SJ
 Sample : G4759-09RE
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 K208-0-2RE

Quant Time: Dec 19 04:19:24 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

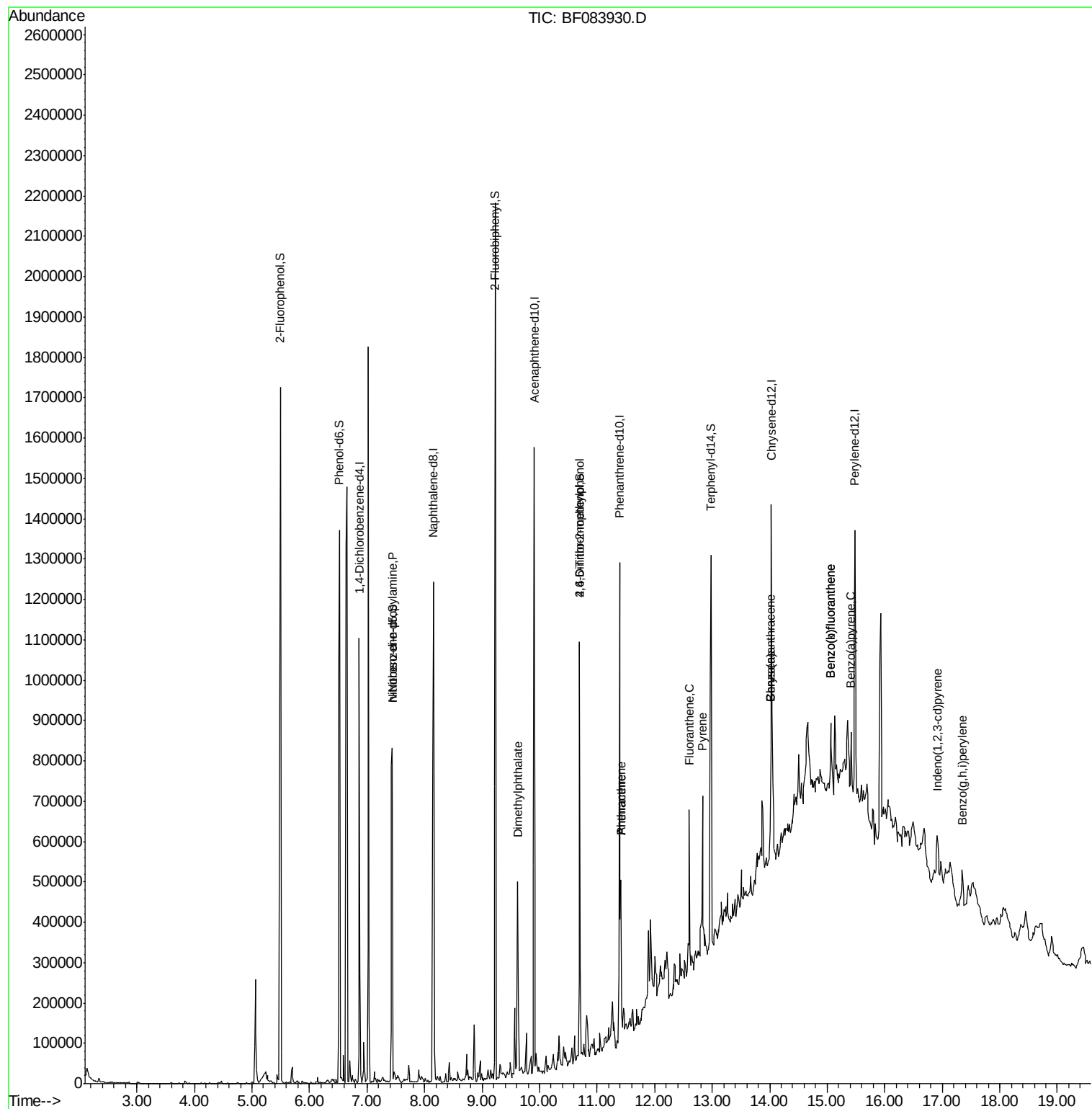
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	164807	20.00	ng	-0.01
21) Naphthalene-d8	8.16	136	703196	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	298158	20.00	ng	-0.01
63) Phenanthrene-d10	11.39	188	427365	20.00	ng	0.00
75) Chrysene-d12	14.03	240	295010	20.00	ng	0.00
86) Perylene-d12	15.48	264	324417	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	542949	51.56	ng	0.01
7) Phenol-d6	6.52	99	641332	49.75	ng	0.01
23) Nitrobenzene-d5	7.44	82	420633	34.14	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	123063	37.47	ng	-0.01
44) 2-Fluorobiphenyl	9.23	172	679740	28.62	ng	-0.01
78) Terphenyl-d14	12.98	244	394220	26.96	ng	0.00
Target Compounds						
14) 1,2-Dichlorobenzene	6.89	146	1062	Below Cal		Qvalue 93
19) n-Nitroso-di-n-propylamine	7.44	70	58311	7.76 ng	#	73
31) Naphthalene	8.17	128	67482	Below Cal		99
36) 4-Chloro-3-methylphenol	8.73	107	8260	Below Cal	#	20
45) 1,1'-Biphenyl	9.32	154	5351	Below Cal		95
46) 2-Chloronaphthalene	9.40	162	399	Below Cal	#	33
49) Dimethylphthalate	9.62	163	177072	7.08 ng	#	90
57) Fluorene	10.45	166	12344	Below Cal	#	96
64) 4,6-Dinitro-2-methylphenol	10.69	198	268	4.02 ng	#	1
70) Phenanthrene	11.41	178	128489	4.98 ng		100
71) Anthracene	11.41	178	128489	5.15 ng		100
74) Fluoranthene	12.60	202	150123	5.83 ng		98
77) Pyrene	12.83	202	157428	5.91 ng		99
80) Benzo(a)anthracene	14.02	228	90309	4.98 ng		94
82) Chrysene	14.02	228	90309	5.15 ng		98
85) Indeno(1,2,3-cd)pyrene	16.91	276	60404	4.61 ng		95
87) Benzo(b)fluoranthene	15.06	252	136993	5.79 ng	#	88
88) Benzo(k)fluoranthene	15.06	252	136993	7.02 ng	#	91
89) Benzo(a)pyrene	15.41	252	82443	4.22 ng	#	81
91) Benzo(g,h,i)perylene	17.35	276	62850	4.22 ng		95

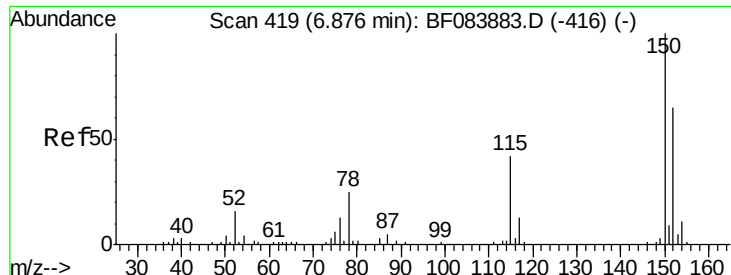
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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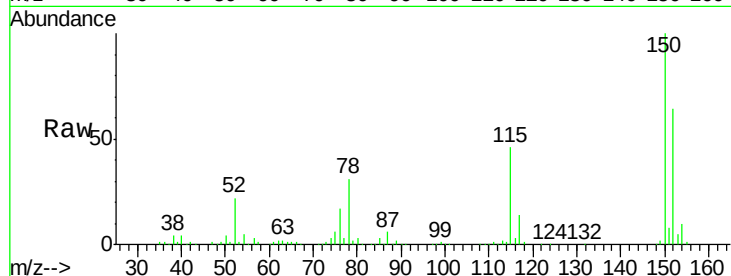




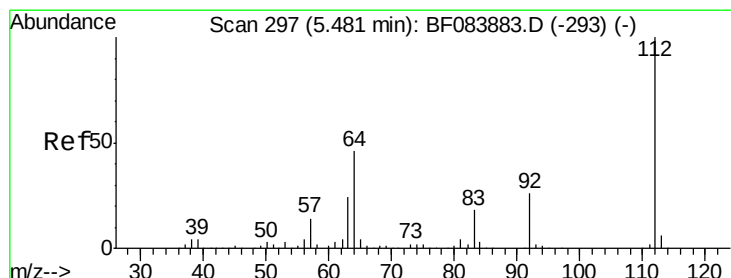
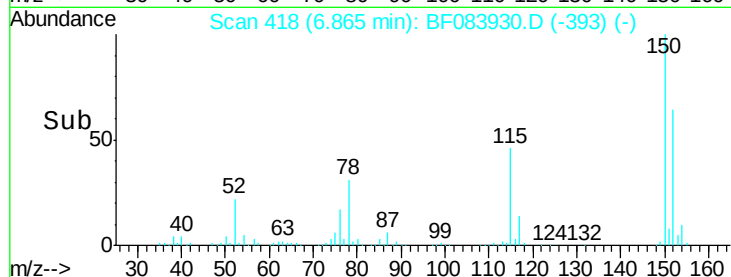
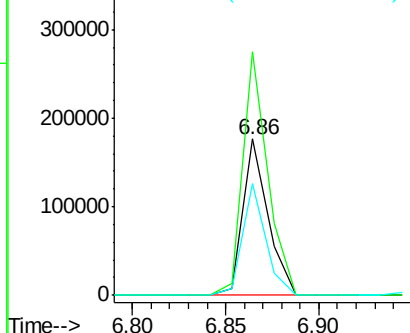
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.86 min Scan# 418
 Delta R.T. -0.01 min
 Lab File: BF083930.D
 Acq: 18 Dec 2015 23:12

Instrument :
 BNA_F
 ClientSampleId :
 K208-0-2RE

Tgt Ion:152 Resp: 164807
 Ion Ratio Lower Upper
 152 100
 150 155.7 123.0 184.4
 115 71.6 51.4 77.2

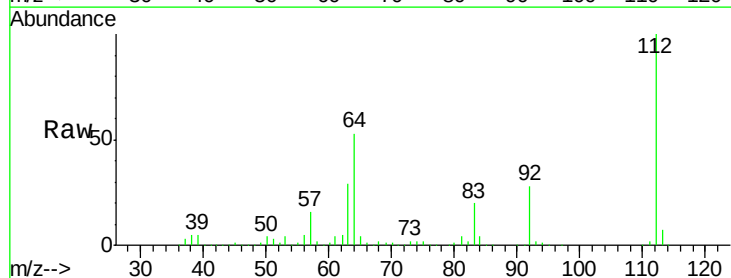


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

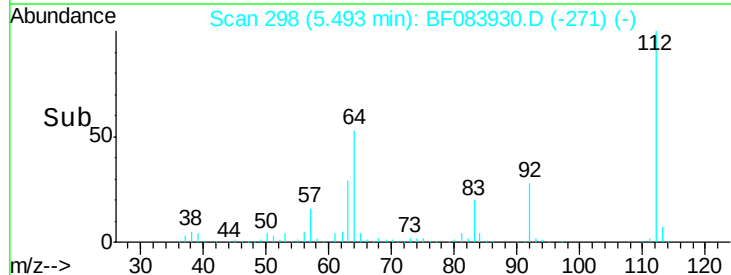
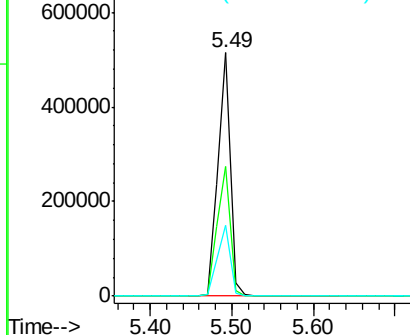


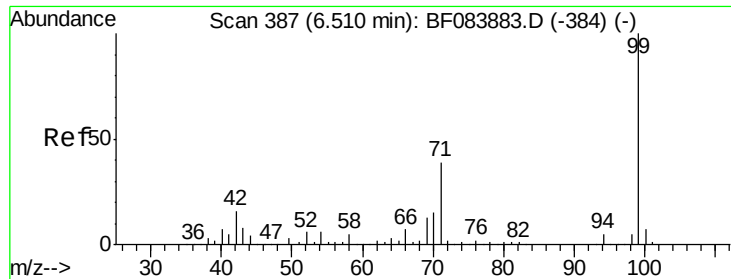
#5
 2-Fluorophenol
 Concen: 51.56 ng
 RT: 5.49 min Scan# 298
 Delta R.T. 0.01 min
 Lab File: BF083930.D
 Acq: 18 Dec 2015 23:12

Tgt Ion:112 Resp: 542949
 Ion Ratio Lower Upper
 112 100
 64 53.5 36.6 55.0
 63 29.3 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: 49.75 ng

RT: 6.52 min Scan# 388

Delta R.T. 0.01 min

Lab File: BF083930.D

Acq: 18 Dec 2015 23:12

Instrument :

BNA_F

ClientSampleId :

K208-0-2RE

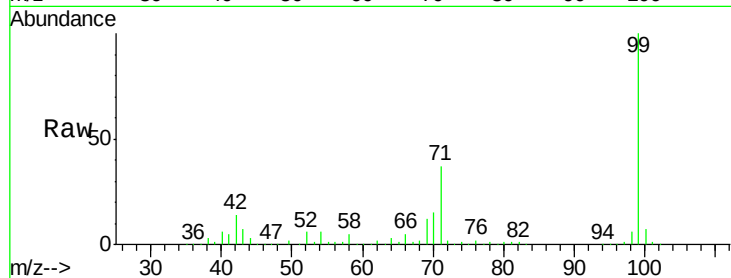
Tgt Ion: 99 Resp: 641332

Ion Ratio Lower Upper

99 100

42 14.3 12.8 19.2

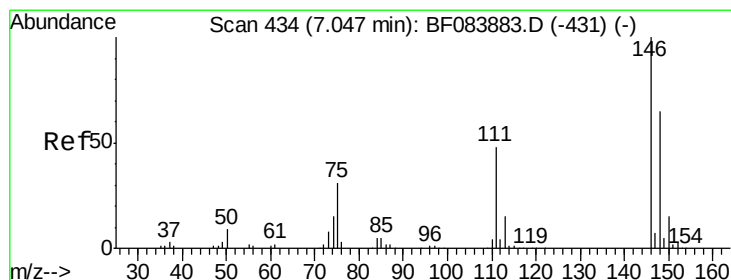
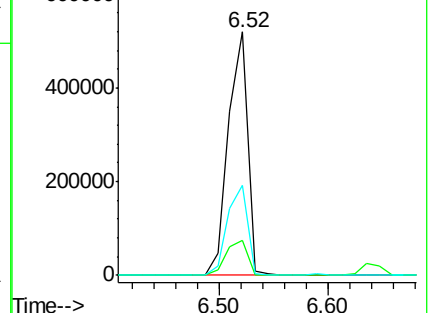
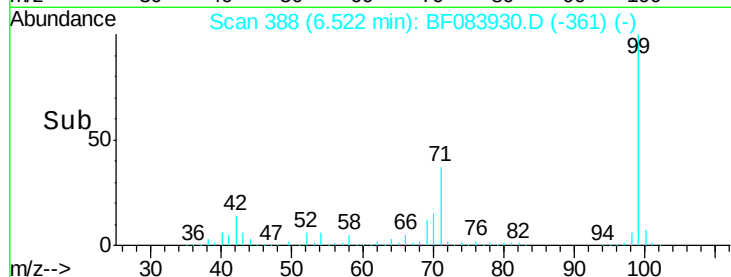
71 36.8 30.9 46.3



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#14

1,2-Dichlorobenzene

Concen: Below Cal

RT: 6.89 min Scan# 420

Delta R.T. -0.16 min

Lab File: BF083930.D

Acq: 18 Dec 2015 23:12

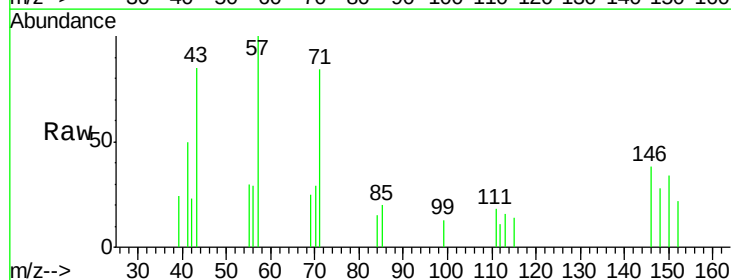
Tgt Ion: 146 Resp: 1062

Ion Ratio Lower Upper

146 100

148 72.6 51.6 77.4

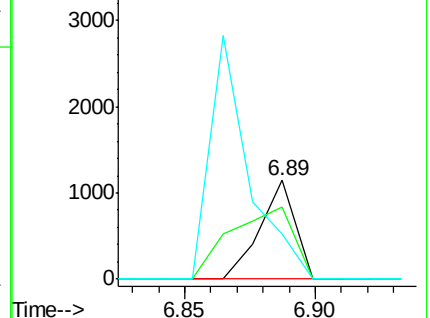
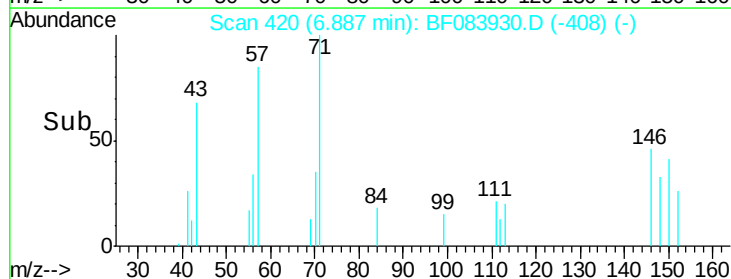
111 46.1 38.0 57.0

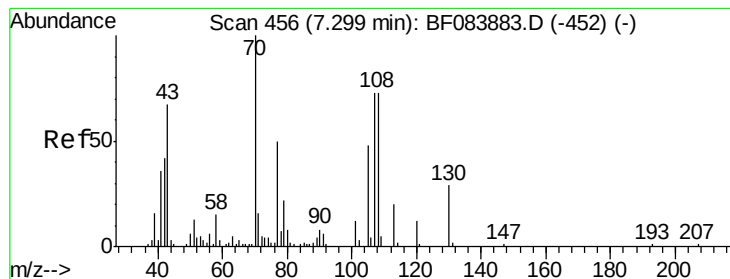


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 7.76 ng

RT: 7.44 min Scan# 468

Delta R.T. 0.14 min

Lab File: BF083930.D

Acq: 18 Dec 2015 23:12

Instrument :

BNA_F

ClientSampleId :

K208-0-2RE

Tgt Ion: 70 Resp: 58311

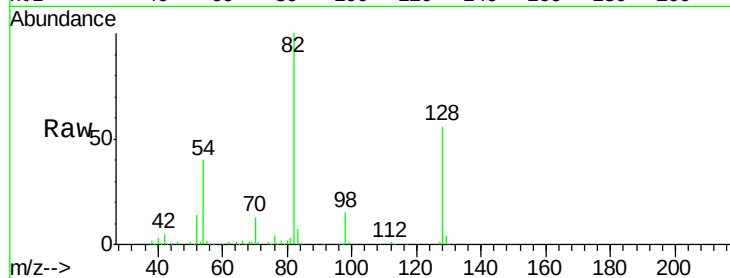
Ion Ratio Lower Upper

70 100

42 34.4 33.3 49.9

101 0.0 9.3 13.9#

130 2.8 23.4 35.0#

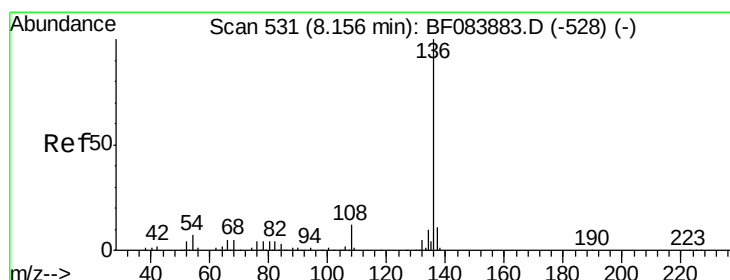
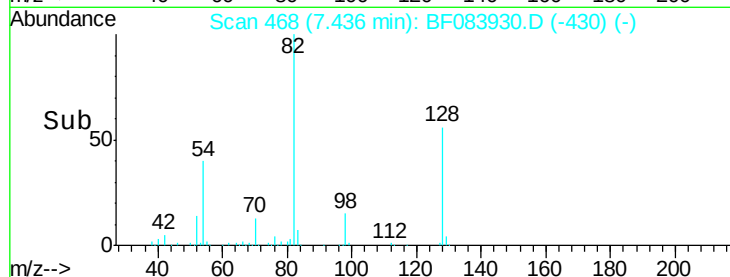
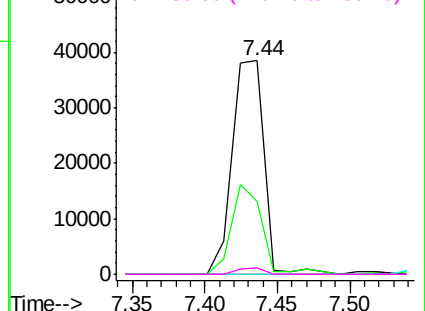


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.16 min Scan# 531

Delta R.T. 0.00 min

Lab File: BF083930.D

Acq: 18 Dec 2015 23:12

Tgt Ion: 136 Resp: 703196

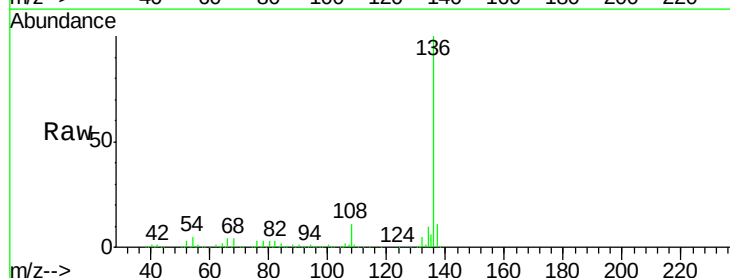
Ion Ratio Lower Upper

136 100

137 10.8 8.7 13.1

54 4.7 5.8 8.8#

68 3.7 4.2 6.2#

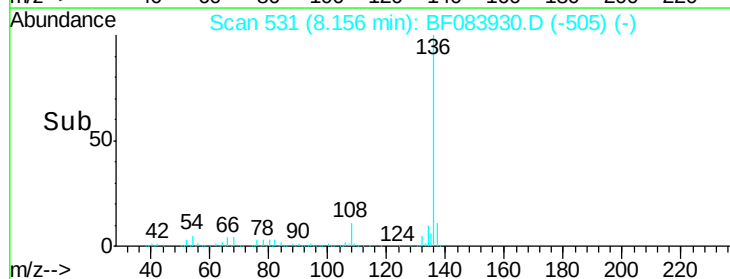
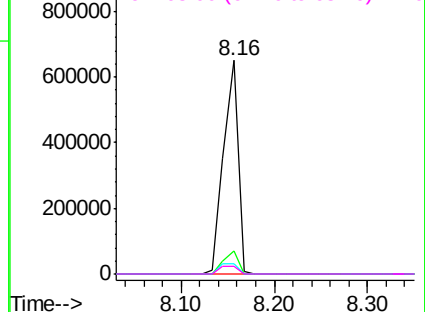


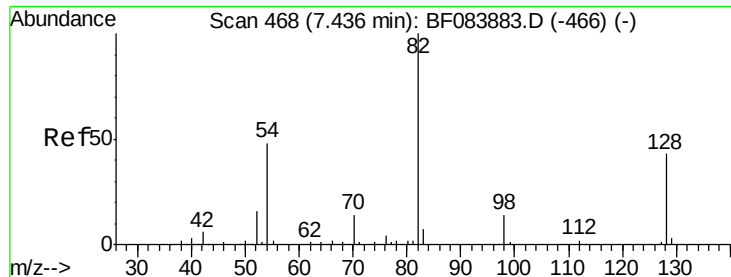
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

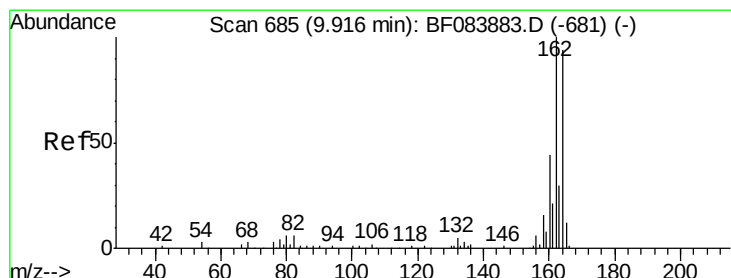
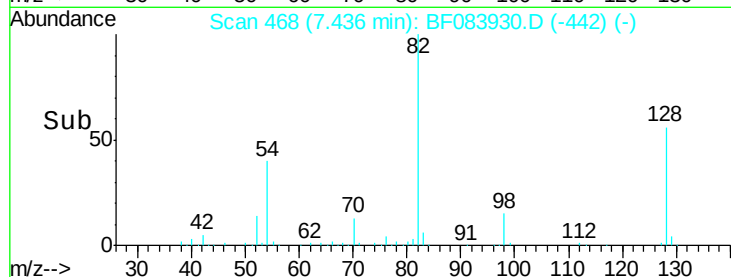
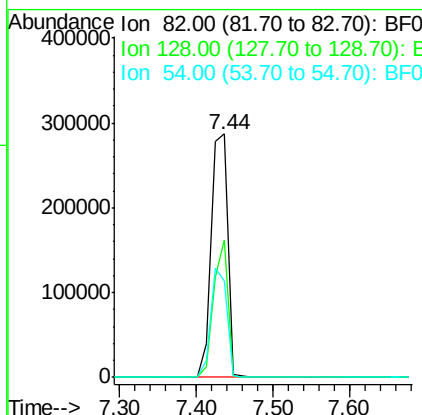
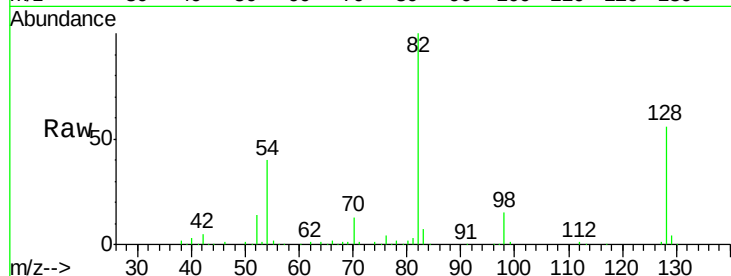




#23
 Nitrobenzene-d5
 Concen: 34.14 ng
 RT: 7.44 min Scan# 468
 Delta R.T. 0.00 min
 Lab File: BF083930.D
 Acq: 18 Dec 2015 23:12

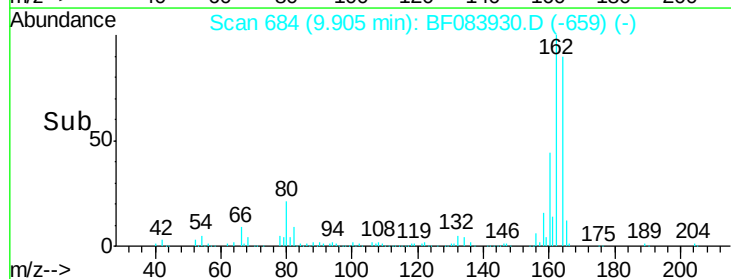
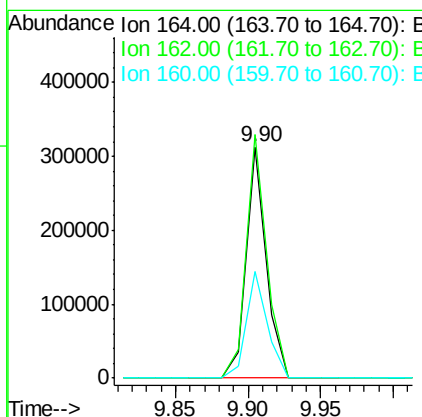
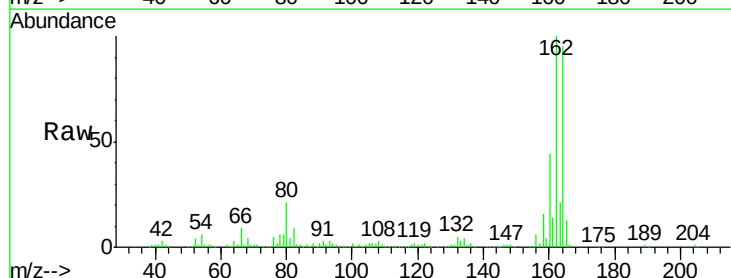
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 K208-0-2RE

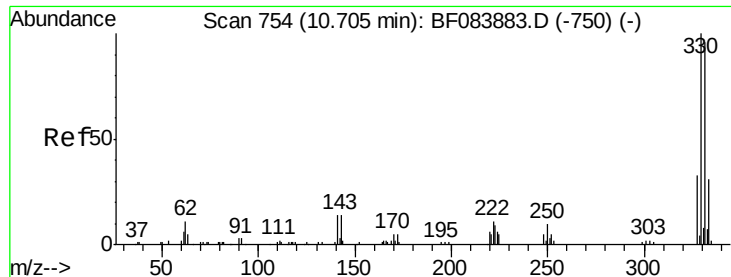
Tgt Ion: 82 Resp: 420633
 Ion Ratio Lower Upper
 82 100
 128 56.3 34.6 51.8#
 54 39.7 38.4 57.6



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.90 min Scan# 684
 Delta R.T. -0.01 min
 Lab File: BF083930.D
 Acq: 18 Dec 2015 23:12

Tgt Ion: 164 Resp: 298158
 Ion Ratio Lower Upper
 164 100
 162 105.3 85.1 127.7
 160 46.2 37.5 56.3

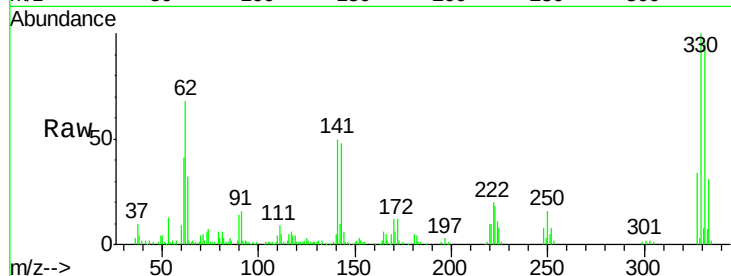




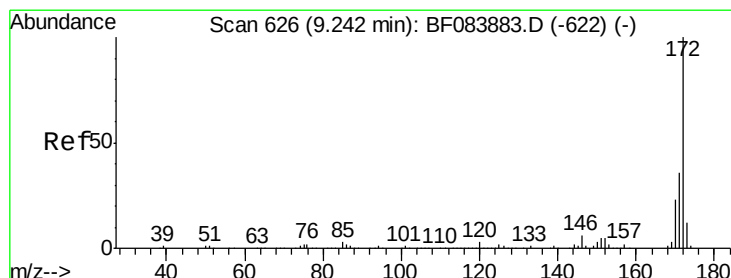
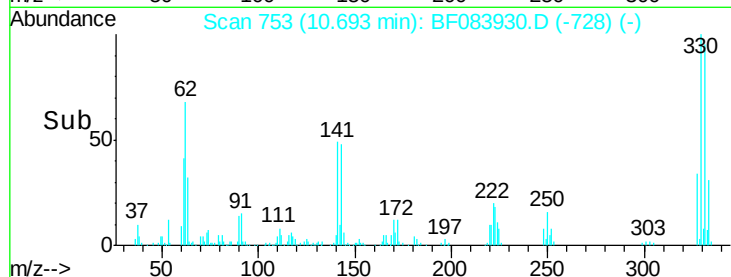
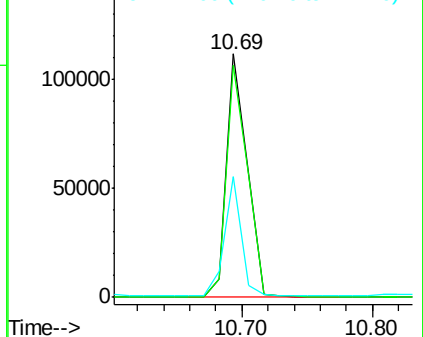
#41
 2,4,6-Tribromophenol
 Concen: 37.47 ng
 RT: 10.69 min Scan# 753
 Delta R.T. -0.01 min
 Lab File: BF083930.D
 Acq: 18 Dec 2015 23:12

Instrument :
 BNA_F
 ClientSampleId :
 K208-0-2RE

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.9	76.6	114.8
141	41.1	27.8	41.6

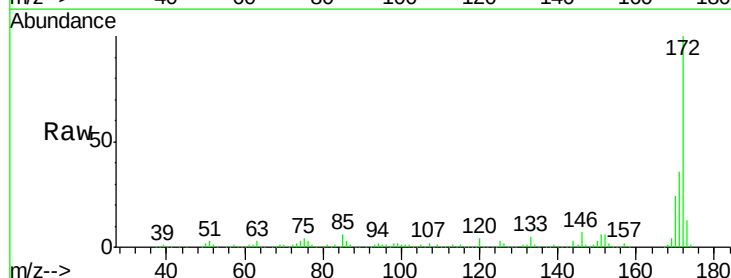


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

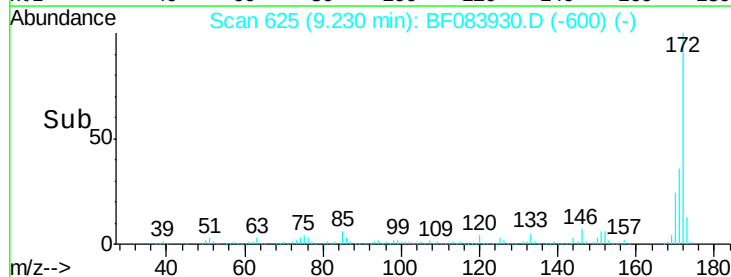
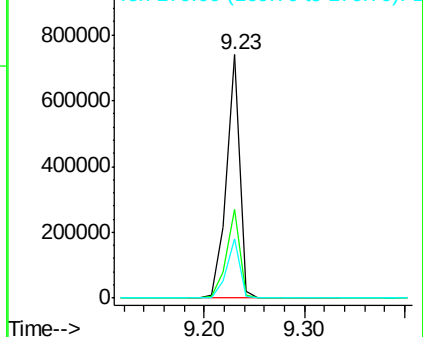


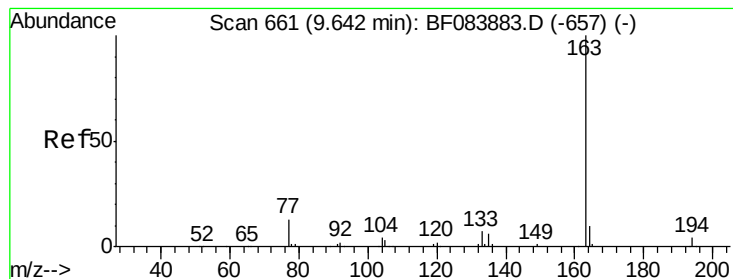
#44
 2-Fluorobiphenyl
 Concen: 28.62 ng
 RT: 9.23 min Scan# 625
 Delta R.T. -0.01 min
 Lab File: BF083930.D
 Acq: 18 Dec 2015 23:12

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	28.9	43.3
170	24.1	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: 7.08 ng

RT: 9.62 min Scan# 659

Delta R.T. -0.02 min

Lab File: BF083930.D

Acq: 18 Dec 2015 23:12

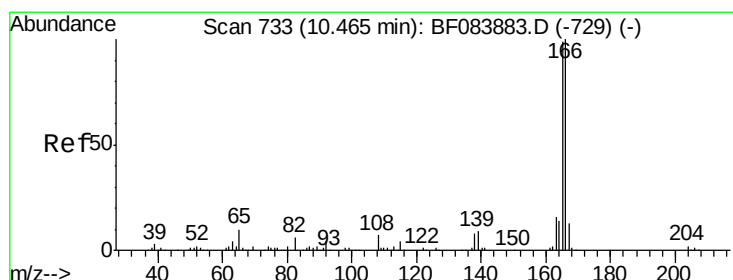
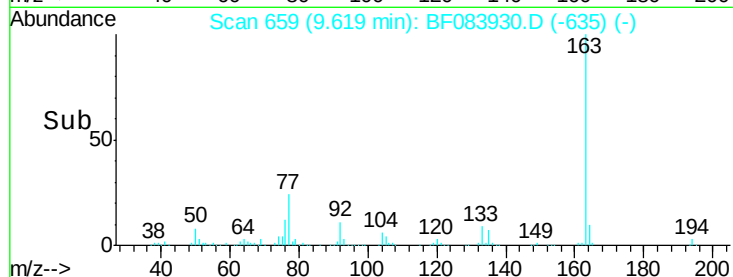
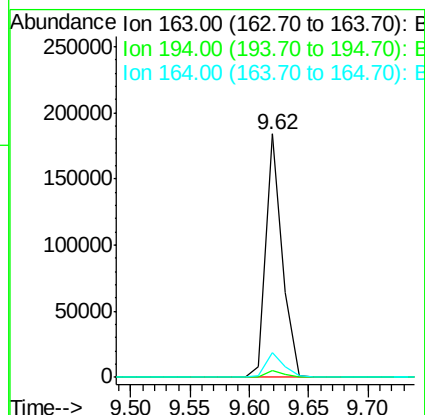
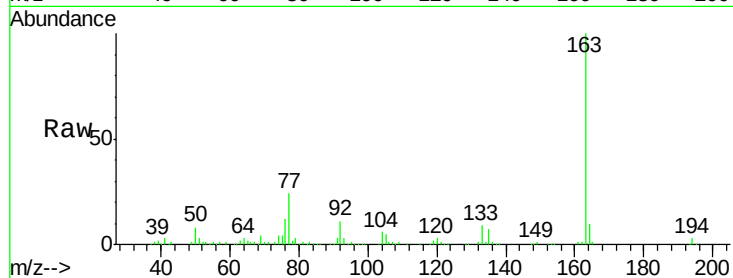
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ClientSampleId :

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Tgt Ion:	163	Resp:	177072
Ion Ratio	Lower	Upper	
163	100		
194	2.9	8.0	12.0#
164	10.3	8.0	12.0



#57

Fluorene

Concen: Below Cal

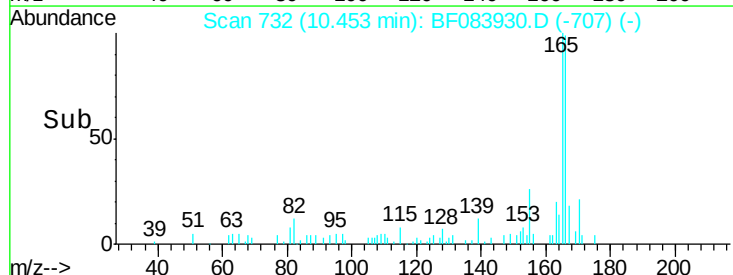
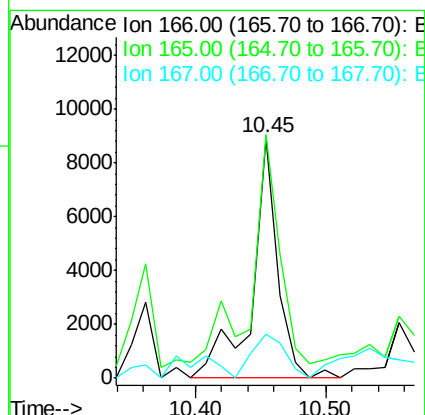
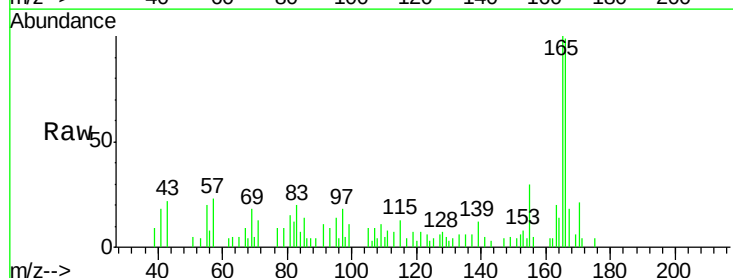
RT: 10.45 min Scan# 732

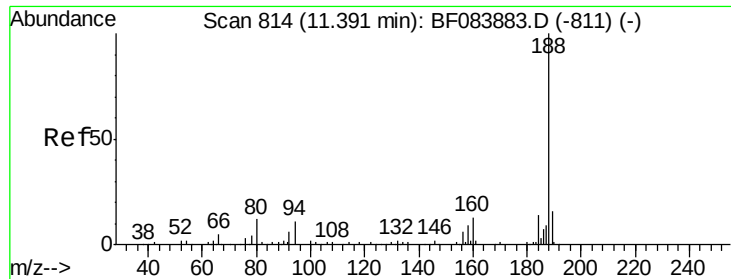
Delta R.T. -0.01 min

Lab File: BF083930.D

Acq: 18 Dec 2015 23:12

Tgt Ion:	166	Resp:	12344
Ion Ratio	Lower	Upper	
166	100		
165	101.3	79.1	118.7
167	18.0	10.4	15.6#

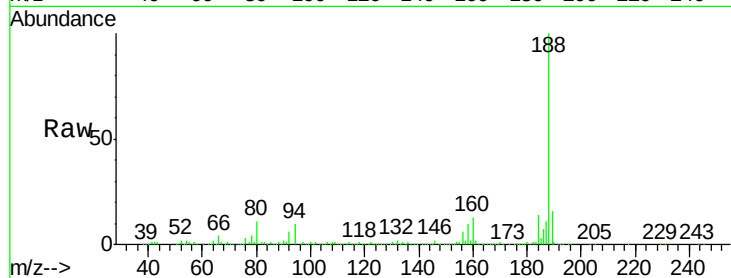




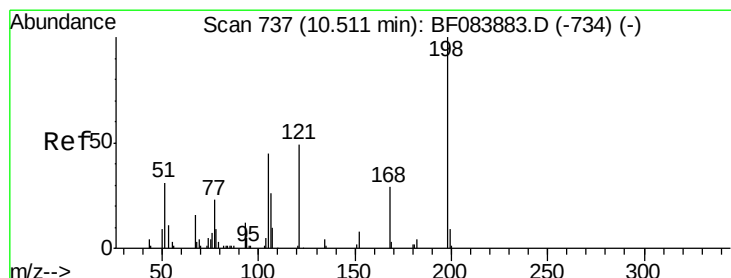
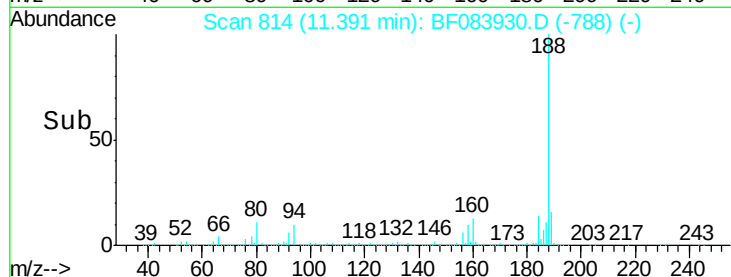
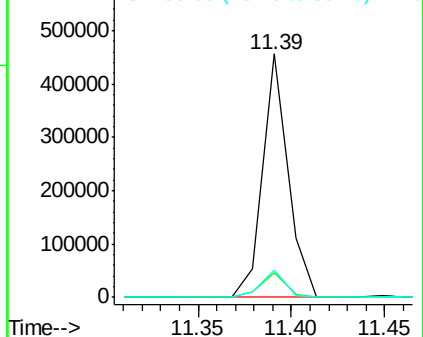
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.39 min Scan# 814
Delta R.T. 0.00 min
Lab File: BF083930.D
Acq: 18 Dec 2015 23:12

Instrument :
BNA_F
ClientSampleId :
K208-0-2RE

Tgt Ion:188 Resp: 427365
Ion Ratio Lower Upper
188 100
94 10.2 9.0 13.4
80 11.2 9.6 14.4

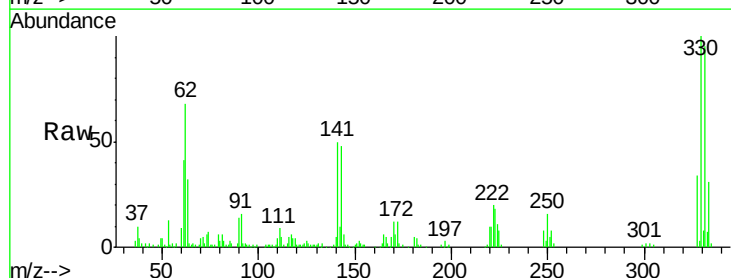


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

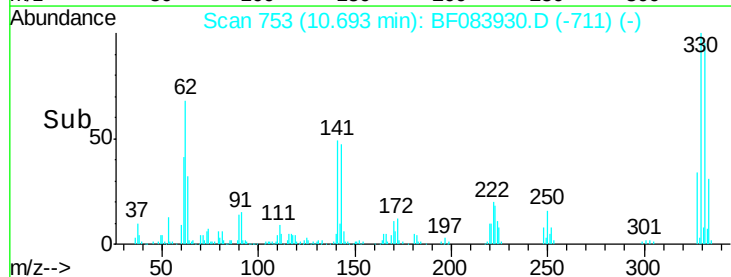
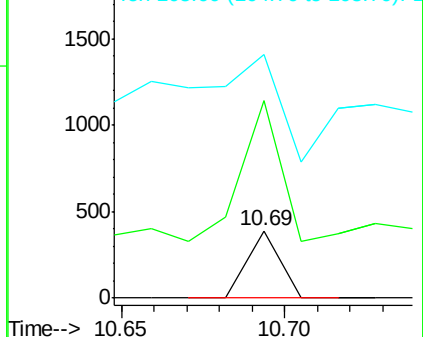


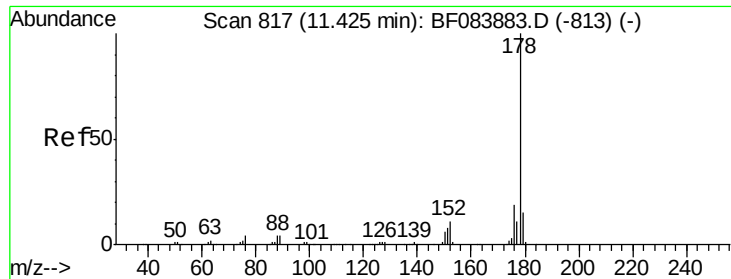
#64
4,6-Dinitro-2-methylphenol
Concen: 4.02 ng
RT: 10.69 min Scan# 753
Delta R.T. 0.18 min
Lab File: BF083930.D
Acq: 18 Dec 2015 23:12

Tgt Ion:198 Resp: 268
Ion Ratio Lower Upper
198 100
51 291.8 18.9 58.9#
105 360.4 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

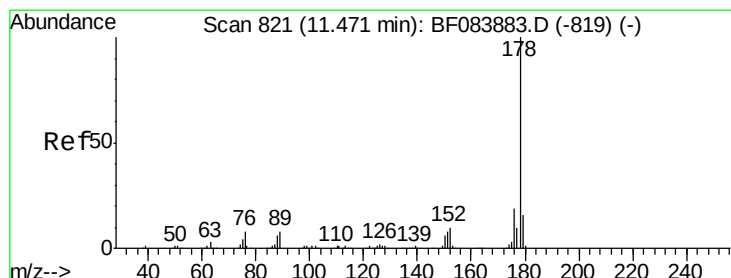
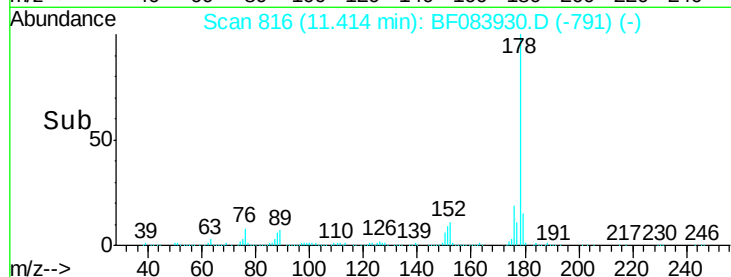
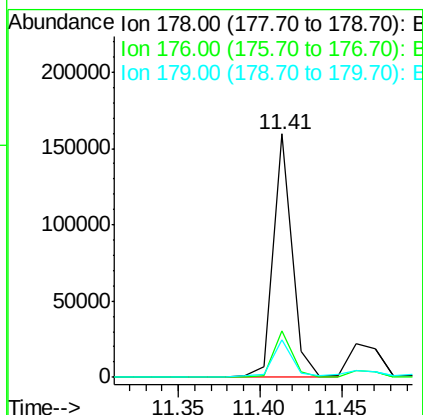
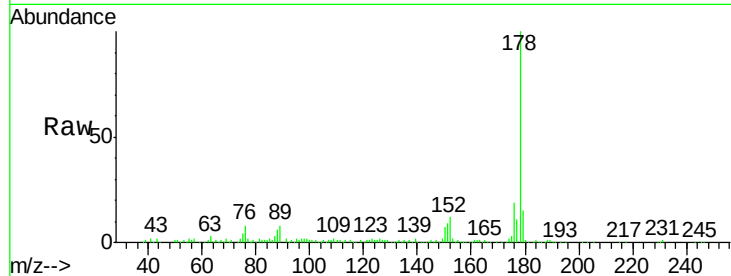




#70
Phenanthrene
Concen: 4.98 ng
RT: 11.41 min Scan# 816
Delta R.T. -0.01 min
Lab File: BF083930.D
Acq: 18 Dec 2015 23:12

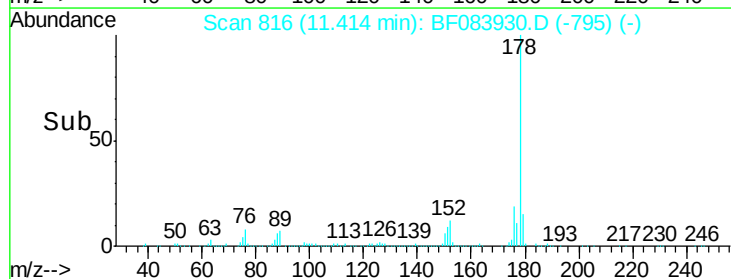
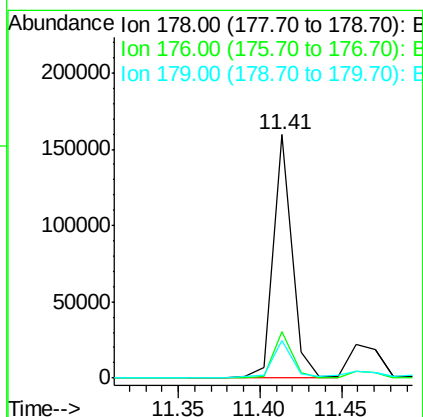
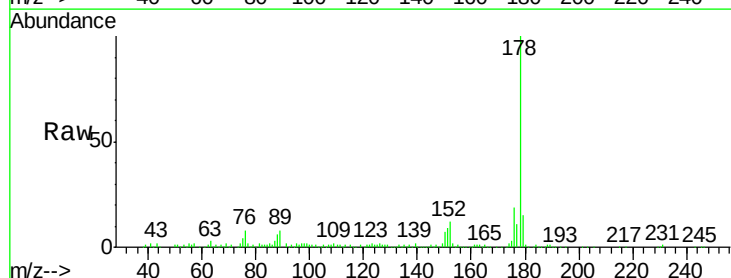
Instrument :
BNA_F
ClientSampleId :
K208-0-2RE

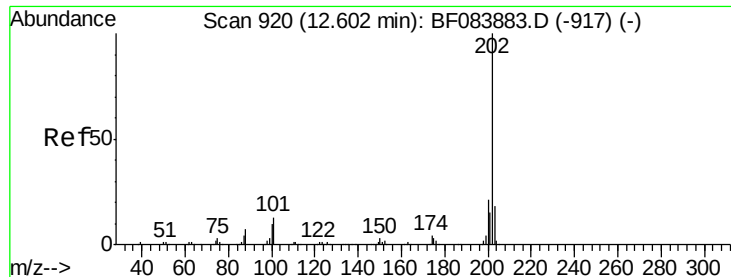
Tgt Ion:178 Resp: 128489
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 15.2 12.0 18.0



#71
Anthracene
Concen: 5.15 ng
RT: 11.41 min Scan# 816
Delta R.T. -0.06 min
Lab File: BF083930.D
Acq: 18 Dec 2015 23:12

Tgt Ion:178 Resp: 128489
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.0
179 15.2 12.5 18.7





#74

Fluoranthene

Concen: 5.83 ng

RT: 12.60 min Scan# 920

Delta R.T. 0.00 min

Lab File: BF083930.D

Acq: 18 Dec 2015 23:12

Instrument :

BNA_F

ClientSampleId :

K208-0-2RE

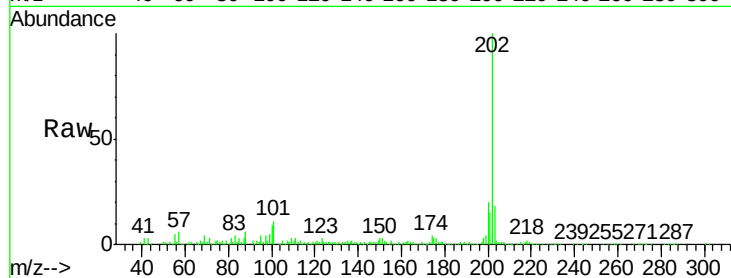
Tgt Ion:202 Resp: 150123

Ion Ratio Lower Upper

202 100

101 11.2 0.0 32.8

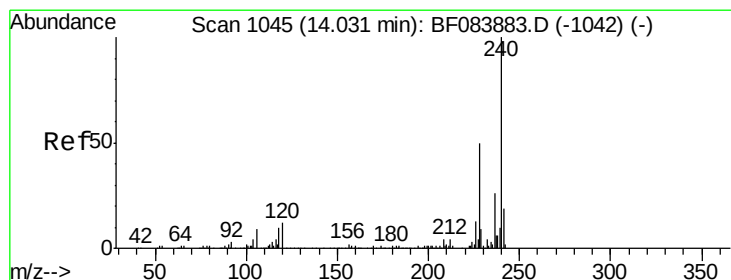
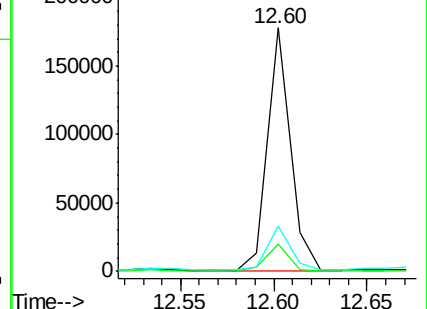
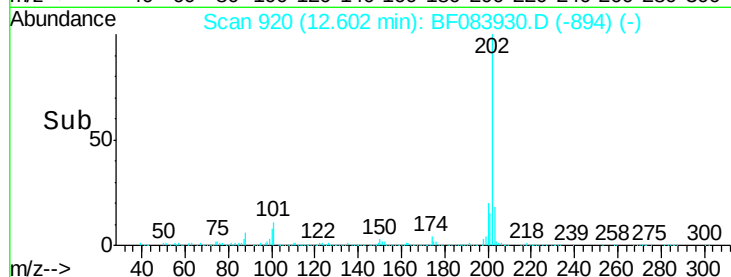
203 18.5 0.0 37.9



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: 14.03 min Scan# 1045

Delta R.T. 0.00 min

Lab File: BF083930.D

Acq: 18 Dec 2015 23:12

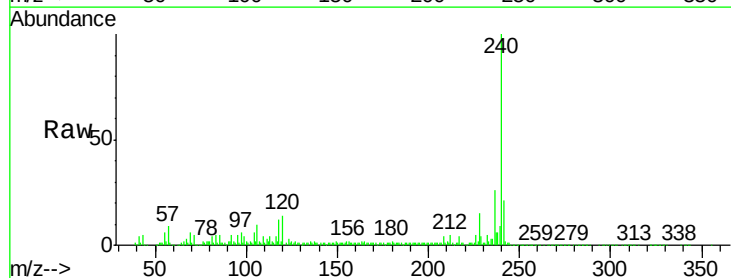
Tgt Ion:240 Resp: 295010

Ion Ratio Lower Upper

240 100

120 14.0 9.5 14.3

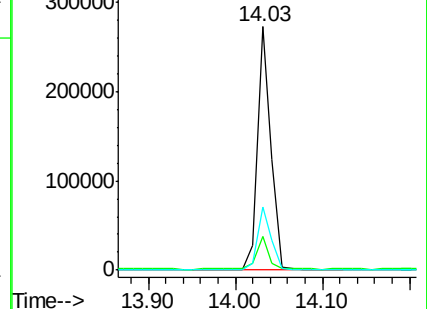
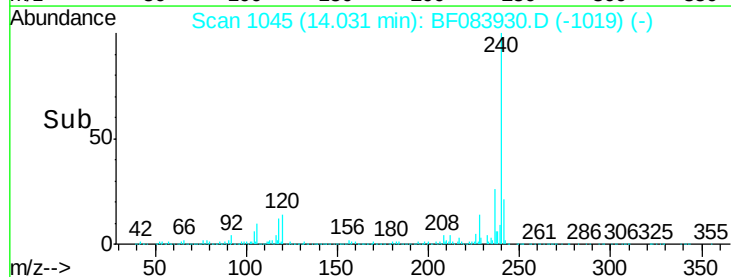
236 26.0 20.6 31.0

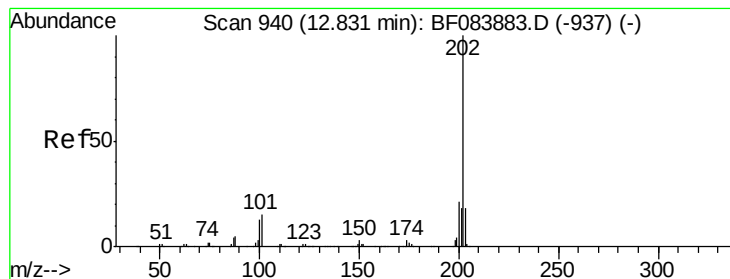


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 5.91 ng

RT: 12.83 min Scan# 940

Delta R.T. 0.00 min

Lab File: BF083930.D

Acq: 18 Dec 2015 23:12

Instrument :

BNA_F

ClientSampleId :

K208-0-2RE

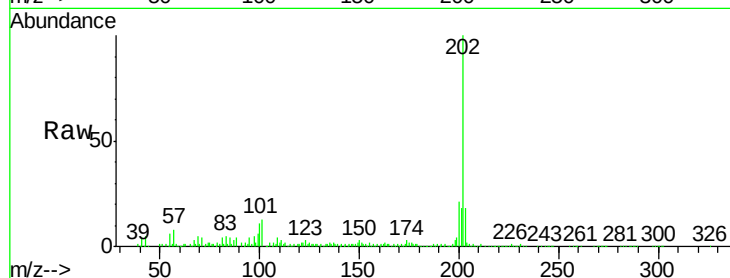
Tgt Ion:202 Resp: 157428

Ion Ratio Lower Upper

202 100

200 21.0 17.2 25.8

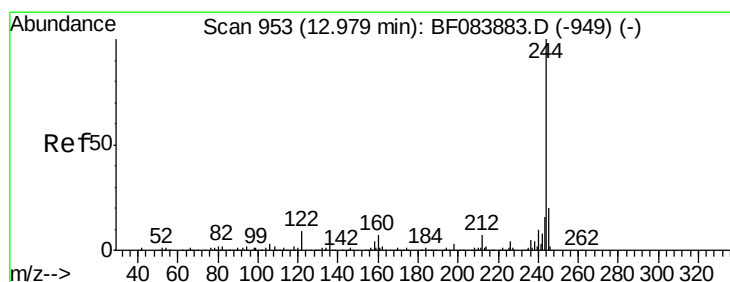
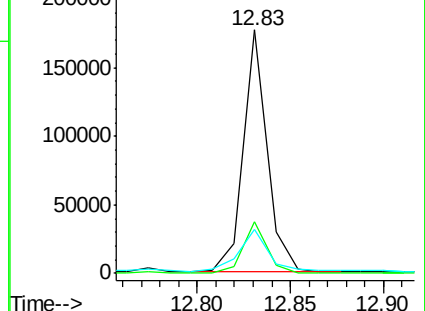
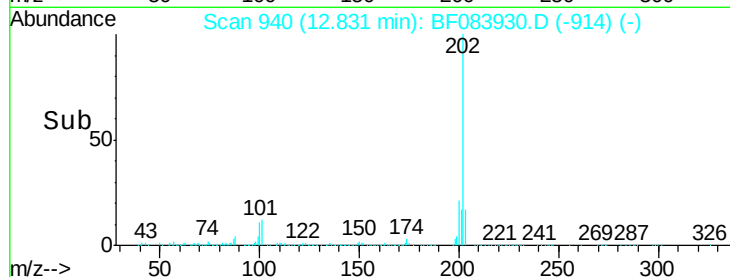
203 18.0 14.3 21.5



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: 26.96 ng

RT: 12.98 min Scan# 953

Delta R.T. 0.00 min

Lab File: BF083930.D

Acq: 18 Dec 2015 23:12

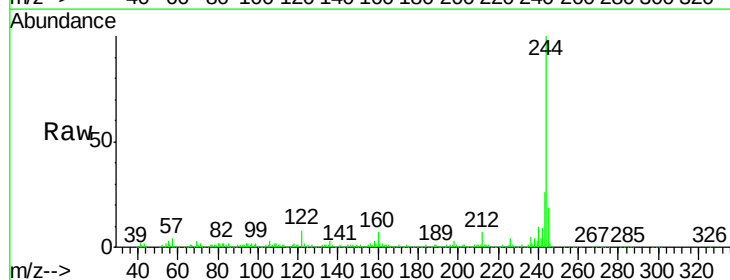
Tgt Ion:244 Resp: 394220

Ion Ratio Lower Upper

244 100

212 7.2 5.7 8.5

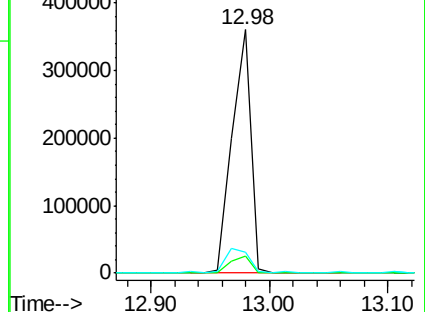
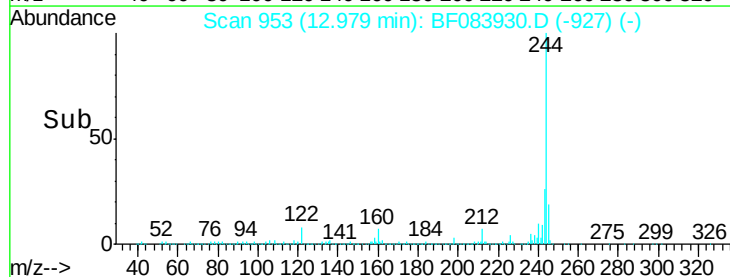
122 8.3 7.4 11.0

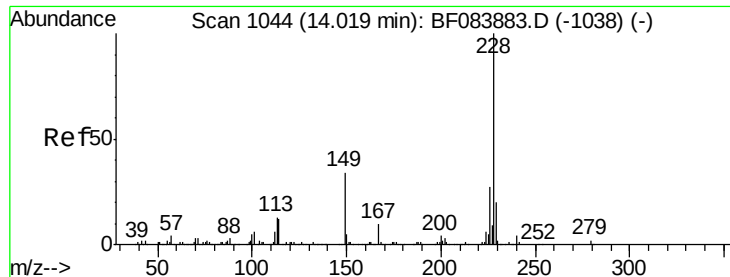


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 4.98 ng

RT: 14.02 min Scan# 1044

Delta R.T. 0.00 min

Lab File: BF083930.D

Acq: 18 Dec 2015 23:12

Instrument :

BNA_F

ClientSampleId :

K208-0-2RE

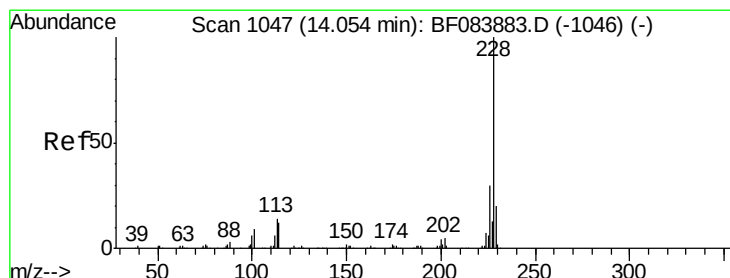
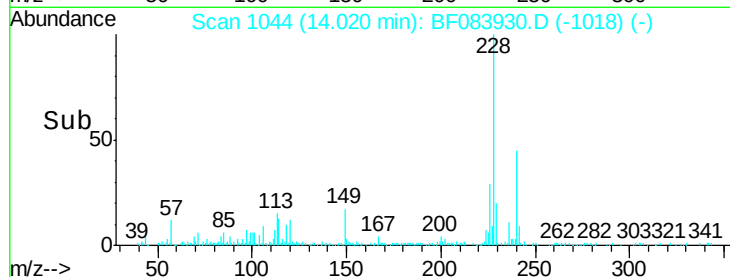
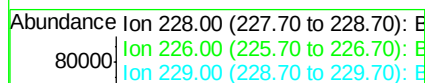
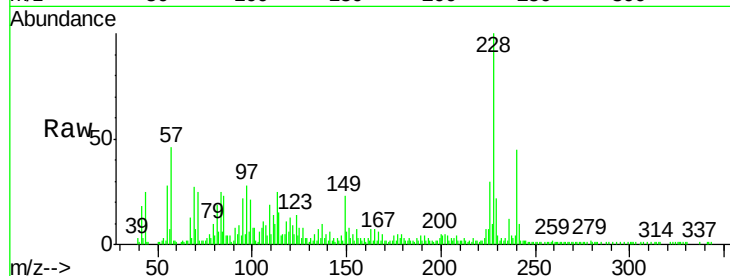
Tgt Ion:228 Resp: 90309

Ion Ratio Lower Upper

228 100

226 30.0 21.8 32.6

229 22.4 15.8 23.8



#82

Chrysene

Concen: 5.15 ng

RT: 14.02 min Scan# 1044

Delta R.T. -0.03 min

Lab File: BF083930.D

Acq: 18 Dec 2015 23:12

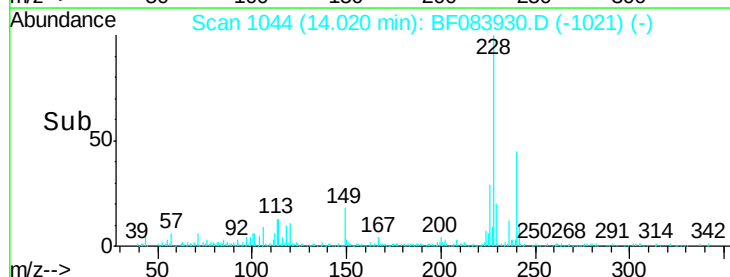
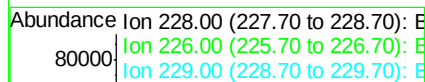
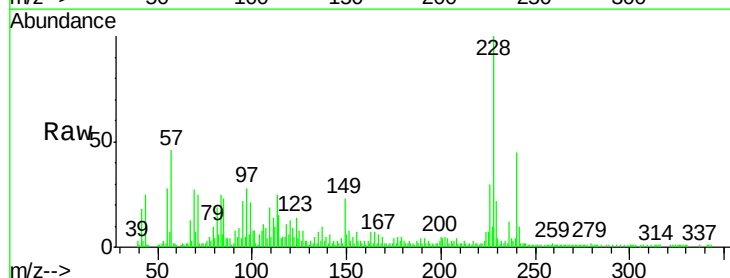
Tgt Ion:228 Resp: 90309

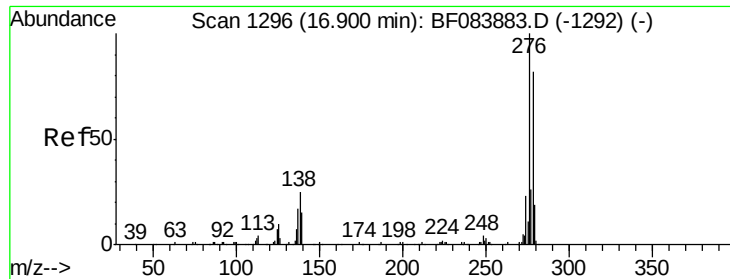
Ion Ratio Lower Upper

228 100

226 30.0 24.3 36.5

229 22.4 16.1 24.1





#85

Indeno(1,2,3-cd)pyrene

Concen: 4.61 ng

RT: 16.91 min Scan# 1297

Delta R.T. 0.01 min

Lab File: BF083930.D

Acq: 18 Dec 2015 23:12

Instrument :

BNA_F

ClientSampleId :

K208-0-2RE

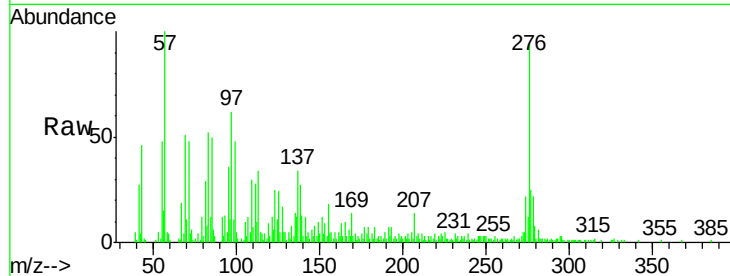
Tgt Ion:276 Resp: 60404

Ion Ratio Lower Upper

276 100

138 23.0 20.6 30.8

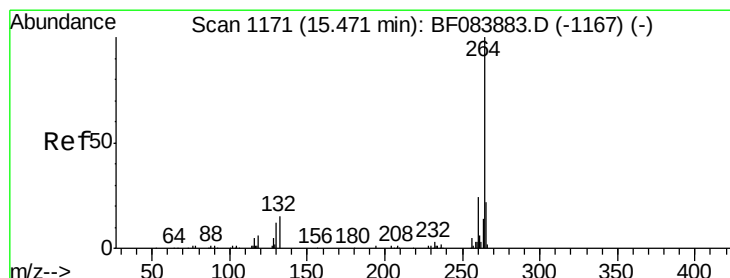
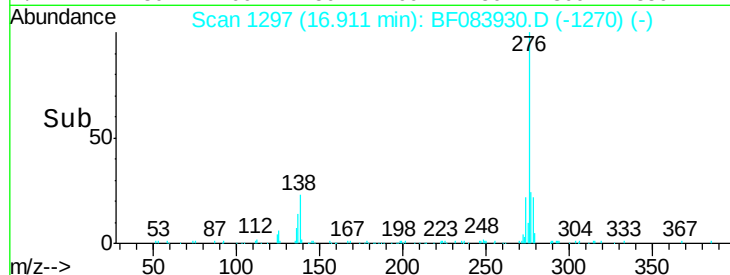
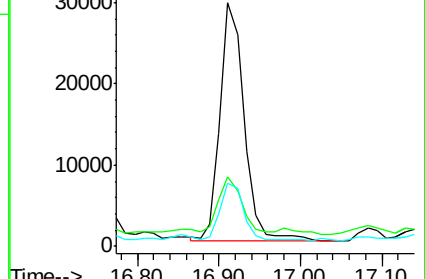
277 22.9 20.1 30.1



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: 20.00 ng

RT: 15.48 min Scan# 1172

Delta R.T. 0.01 min

Lab File: BF083930.D

Acq: 18 Dec 2015 23:12

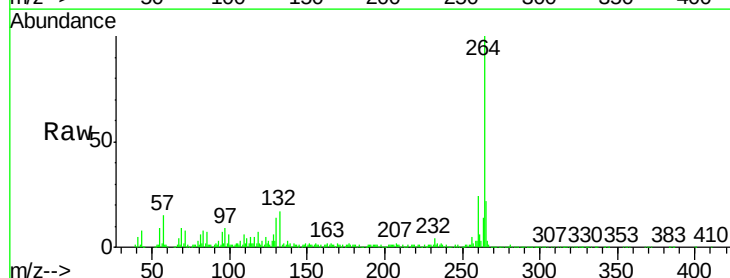
Tgt Ion:264 Resp: 324417

Ion Ratio Lower Upper

264 100

260 24.2 19.4 29.2

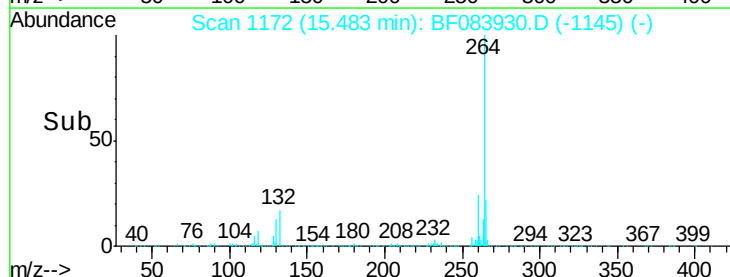
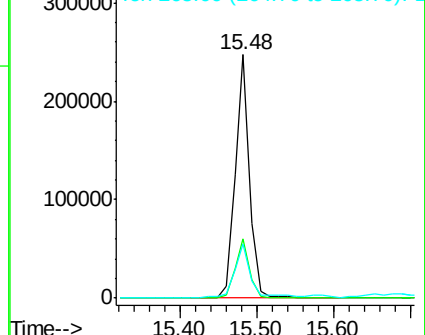
265 22.5 17.8 26.6

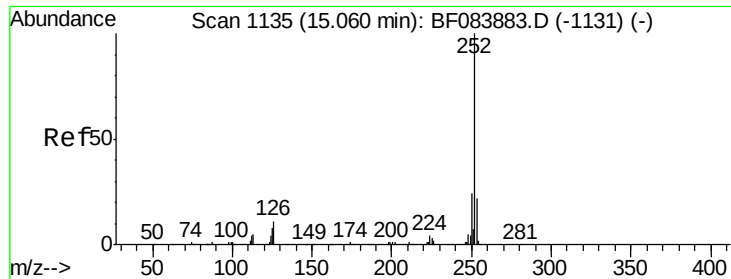


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

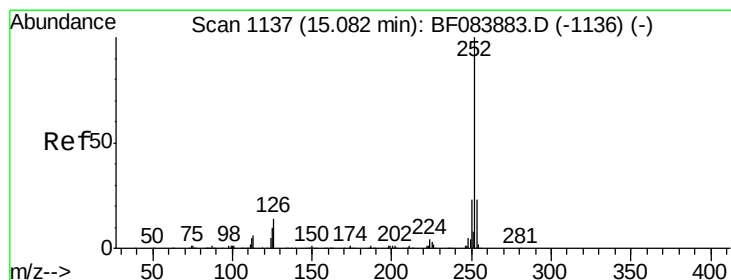
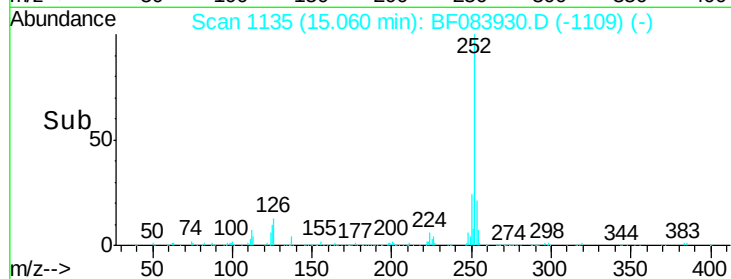
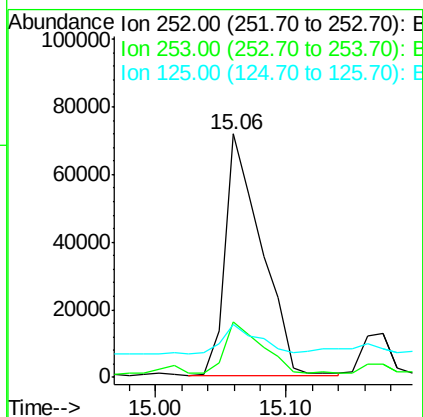
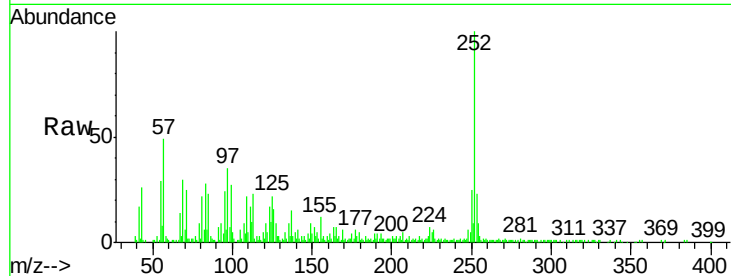




#87
Benzo(b)fluoranthene
Concen: 5.79 ng
RT: 15.06 min Scan# 1135
Delta R.T. 0.00 min
Lab File: BF083930.D
Acq: 18 Dec 2015 23:12

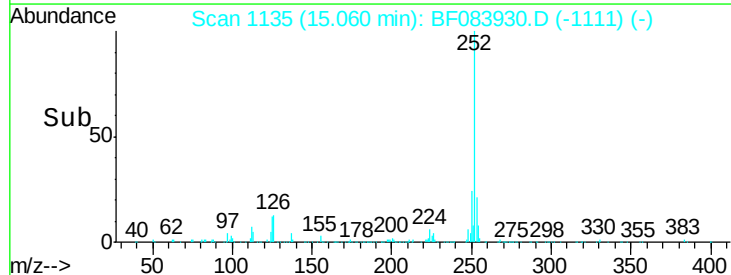
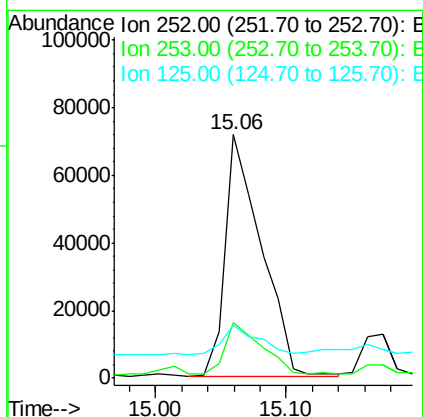
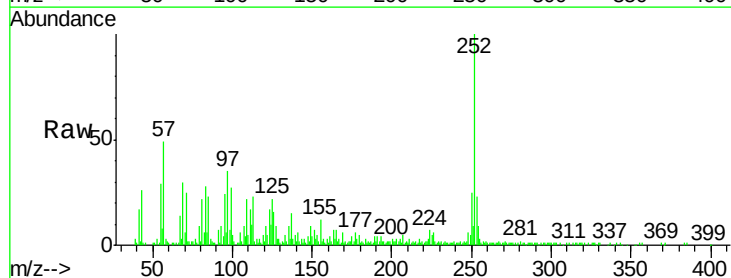
Instrument :
BNA_F
ClientSampleId :
K208-0-2RE

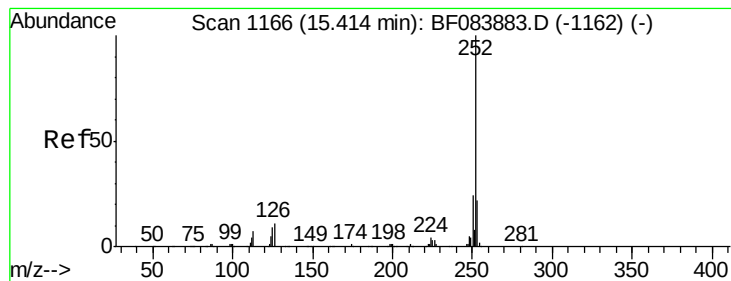
Tgt Ion:252 Resp: 136993
Ion Ratio Lower Upper
252 100
253 22.7 17.3 25.9
125 21.7 6.5 9.7#



#88
Benzo(k)fluoranthene
Concen: 7.02 ng
RT: 15.06 min Scan# 1135
Delta R.T. -0.02 min
Lab File: BF083930.D
Acq: 18 Dec 2015 23:12

Tgt Ion:252 Resp: 136993
Ion Ratio Lower Upper
252 100
253 22.7 18.1 27.1
125 21.7 9.0 13.6#





#89

Benzo(a)pyrene

Concen: 4.22 ng

RT: 15.41 min Scan# 1166

Delta R.T. 0.00 min

Lab File: BF083930.D

Acq: 18 Dec 2015 23:12

Instrument :

BNA_F

ClientSampleId :

K208-0-2RE

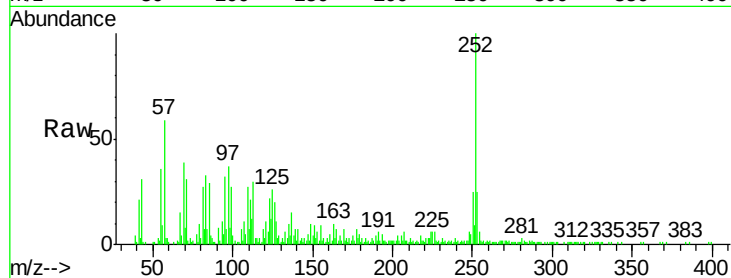
Tgt Ion:252 Resp: 82443

Ion Ratio Lower Upper

252 100

253 25.1 17.3 25.9

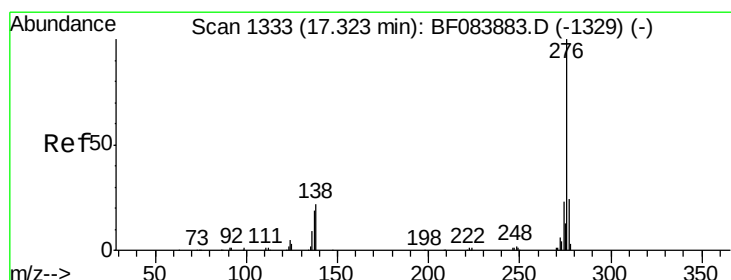
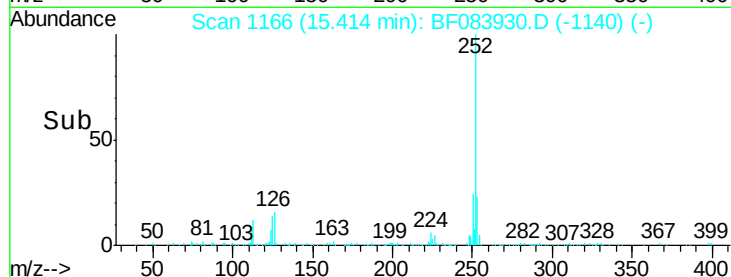
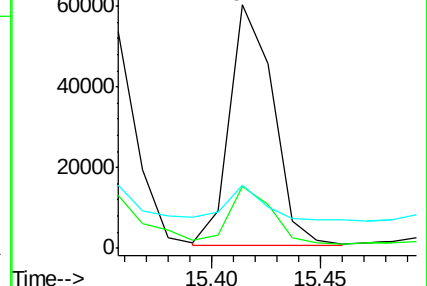
125 25.7 7.0 10.4#



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: 4.22 ng

RT: 17.35 min Scan# 1335

Delta R.T. 0.02 min

Lab File: BF083930.D

Acq: 18 Dec 2015 23:12

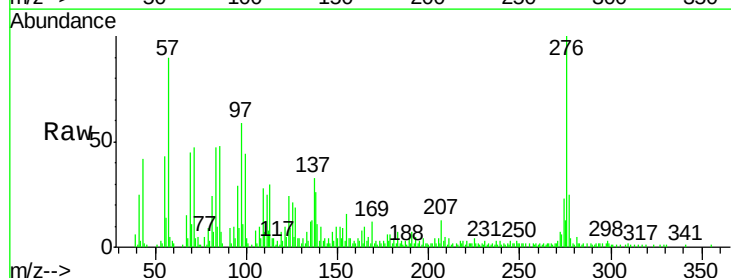
Tgt Ion:276 Resp: 62850

Ion Ratio Lower Upper

276 100

277 25.0 18.8 28.2

138 25.8 17.8 26.6



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

