

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112315\
 Data File : BF083219.D
 Acq On : 23 Nov 2015 22:37
 Operator : UM/IZ
 Sample : G4430-01RE
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-JCRE

Quant Time: Nov 24 04:37:48 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Nov 22 09:22:46 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.64	152	148512	20.00	ng	-0.02
21) Naphthalene-d8	7.93	136	523011	20.00	ng	-0.02
38) Acenaphthene-d10	9.68	164	214995	20.00	ng	-0.02
63) Phenanthrene-d10	11.16	188	323812	20.00	ng	-0.01
75) Chrysene-d12	13.82	240	203776	20.00	ng	0.01
86) Perylene-d12	15.25	264	152432	20.00	ng	0.08

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.23	112	872108	88.78	ng	-0.05
7) Phenol-d6	6.31	99	1170895	92.12	ng	-0.03
23) Nitrobenzene-d5	7.21	82	740305	64.68	ng	-0.02
41) 2,4,6-Tribromophenol	10.47	330	175140	79.63	ng	-0.02
44) 2-Fluorobiphenyl	9.00	172	1057268	68.57	ng	-0.02
78) Terphenyl-d14	12.76	244	722011	83.44	ng	0.00

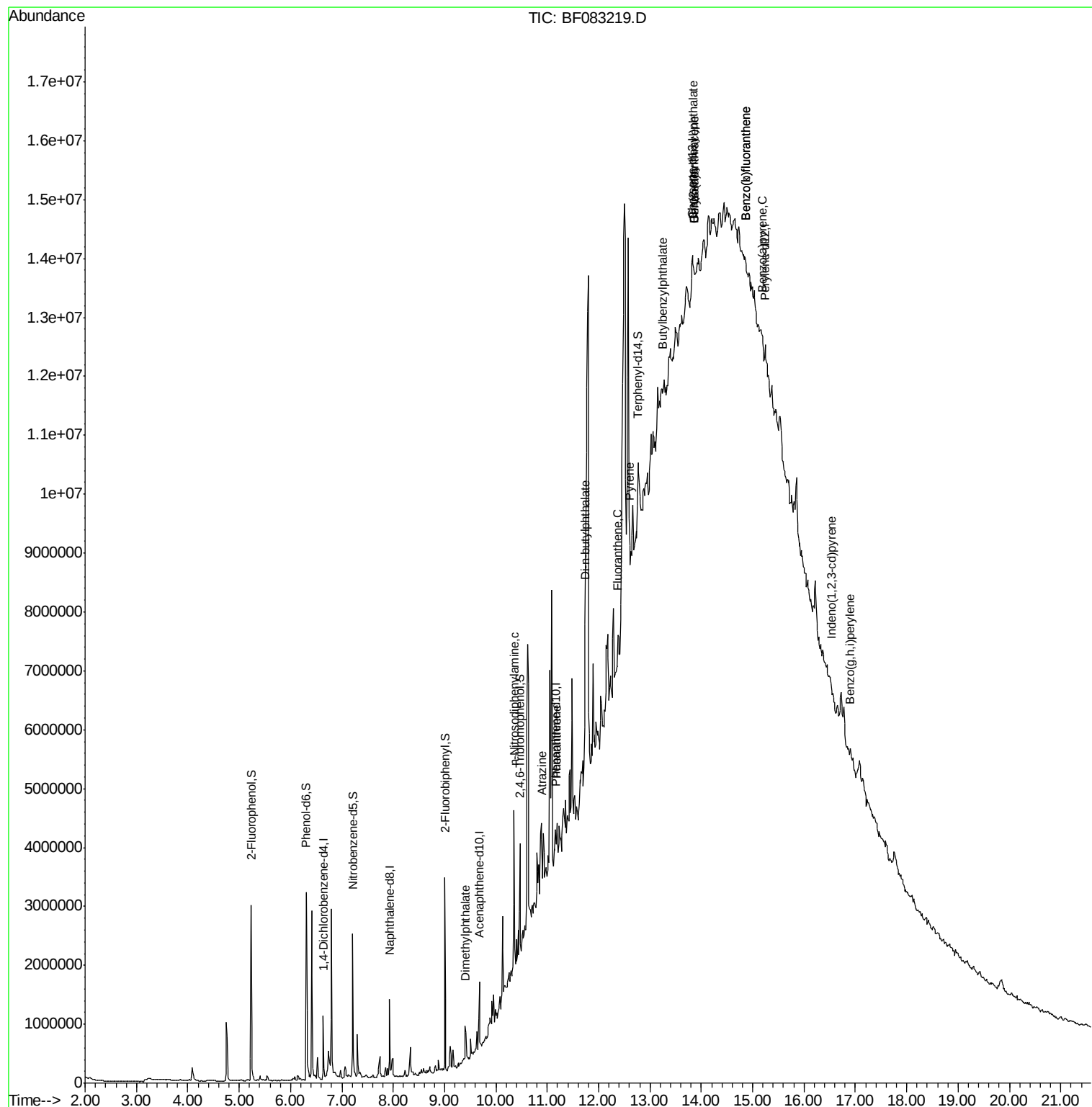
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
49) Dimethylphthalate	9.40	163	241237	14.57	ng	99
65) n-Nitrosodiphenylamine	10.35	169	49616	4.51	ng	# 61
68) Atrazine	10.89	200	14000	4.38	ng	# 1
70) Phenanthrene	11.19	178	161406	8.65	ng	# 85
73) Di-n-butylphthalate	11.74	149	123076	5.96	ng	# 83
74) Fluoranthene	12.38	202	204938	10.73	ng	# 85
77) Pyrene	12.60	202	223840	16.08	ng	# 86
79) Butylbenzylphthalate	13.24	149	24641	3.74	ng	# 53
80) Benzo(a)anthracene	13.85	228	142675	11.32	ng	# 60
82) Chrysene	13.85	228	142675	12.21	ng	# 66
83) Bis(2-ethylhexyl)phthalate	13.84	149	218321	25.37	ng	# 95
85) Indeno(1,2,3-cd)pyrene	16.53	276	55647	5.23	ng	# 86
87) Benzo(b)fluoranthene	14.87	252	96578	9.27	ng	# 1
88) Benzo(k)fluoranthene	14.87	252	93335	12.03	ng	# 1
89) Benzo(a)pyrene	15.19	252	35306	4.11	ng	# 1
91) Benzo(g,h,i)perylene	16.90	276	118233	15.51	ng	# 71

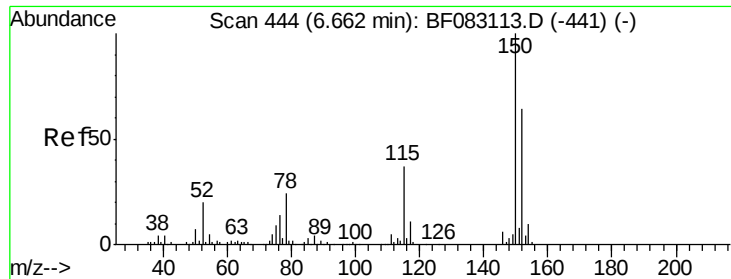
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 24 04:37:48 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112115.M
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QLast Update : Sun Nov 22 09:22:46 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.64 min Scan# 407

Delta R.T. -0.02 min

Lab File: BF083219.D

Acq: 23 Nov 2015 22:37

Instrument :

BNA_F

ClientSampleId :

WC-JCRE

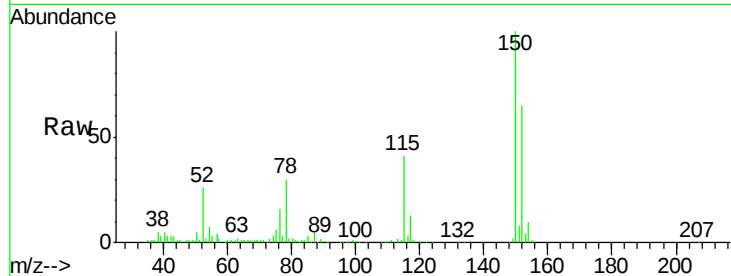
Tgt Ion:152 Resp: 148512

Ion Ratio Lower Upper

152 100

150 153.5 125.8 188.8

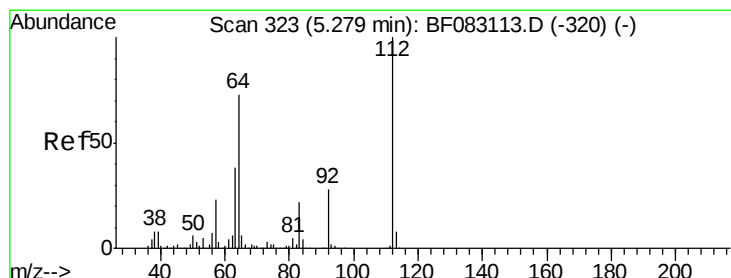
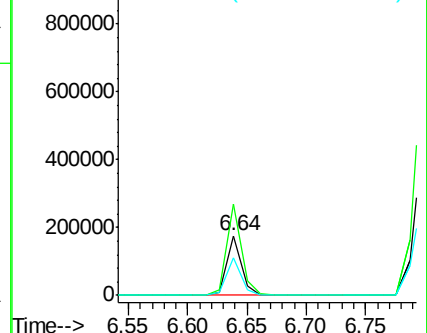
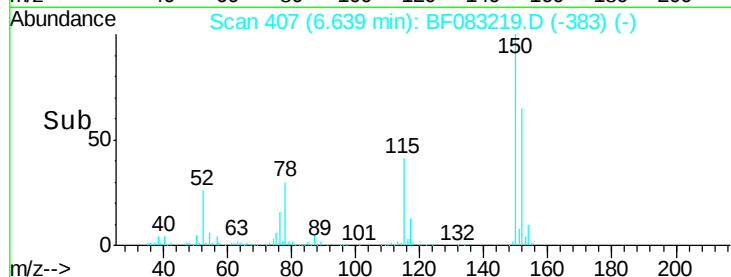
115 62.9 46.9 70.3



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: 88.78 ng

RT: 5.23 min Scan# 284

Delta R.T. -0.05 min

Lab File: BF083219.D

Acq: 23 Nov 2015 22:37

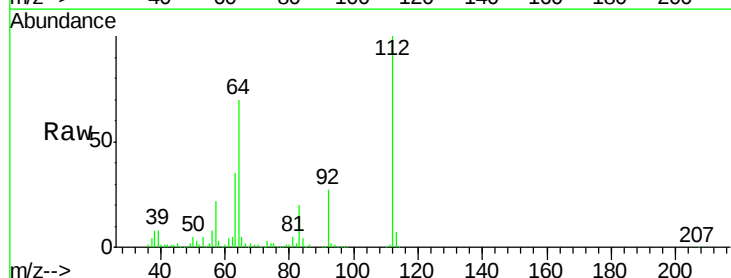
Tgt Ion:112 Resp: 872108

Ion Ratio Lower Upper

112 100

64 69.6 58.4 87.6

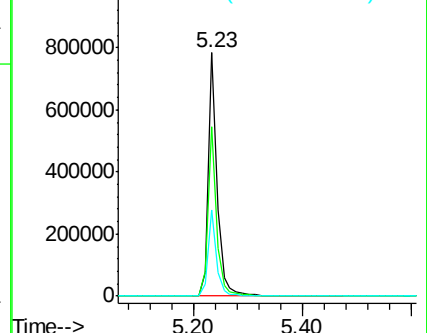
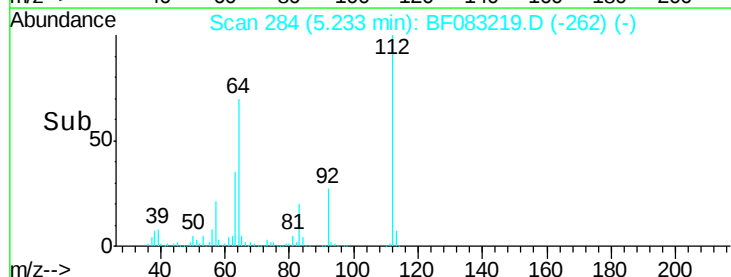
63 35.4 30.0 45.0

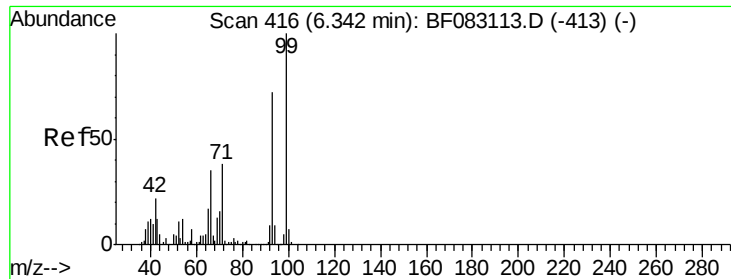


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 92.12 ng

RT: 6.31 min Scan# 378

Delta R.T. -0.03 min

Lab File: BF083219.D

Acq: 23 Nov 2015 22:37

Instrument :

BNA_F

ClientSampleId :

WC-JCRE

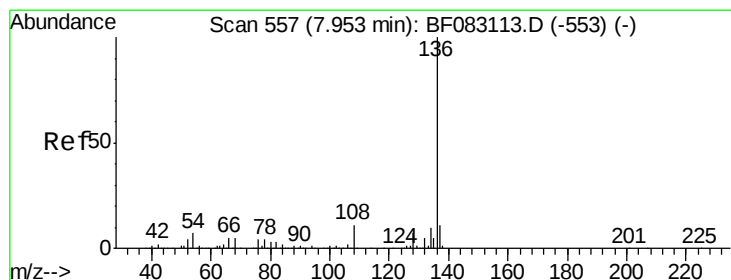
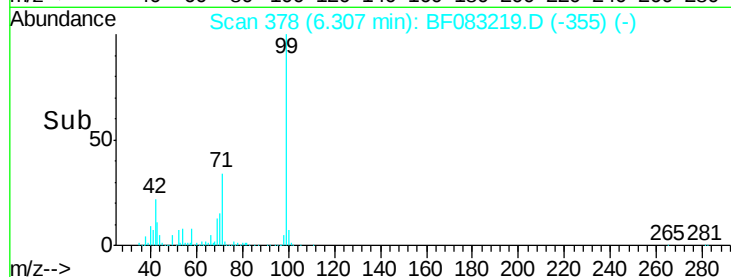
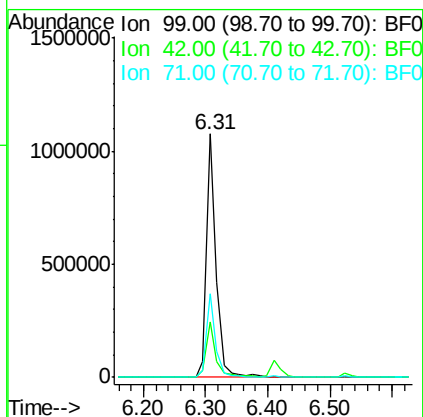
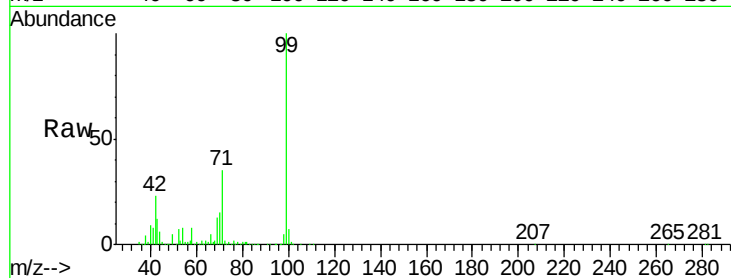
Tgt Ion: 99 Resp: 1170895

Ion Ratio Lower Upper

99 100

42 22.5 17.7 26.5

71 34.5 30.2 45.4



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.93 min Scan# 520

Delta R.T. -0.02 min

Lab File: BF083219.D

Acq: 23 Nov 2015 22:37

Tgt Ion: 136 Resp: 523011

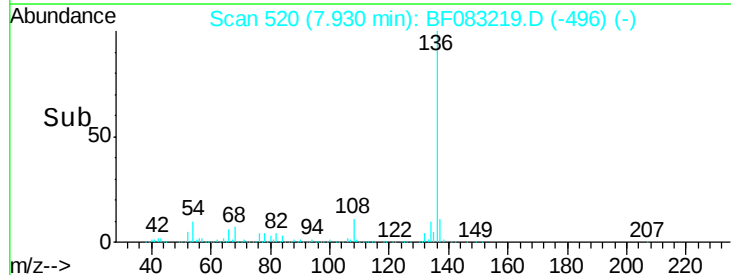
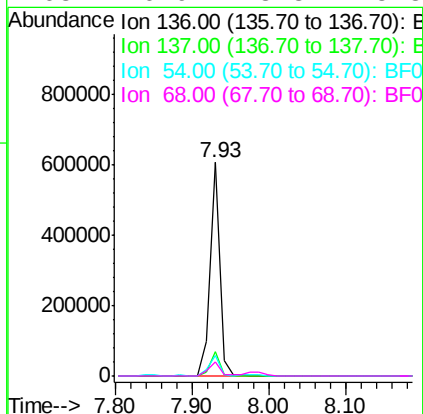
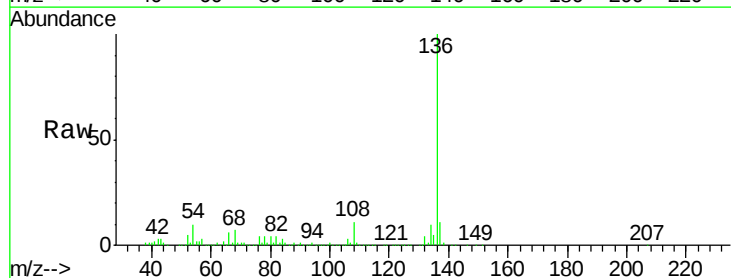
Ion Ratio Lower Upper

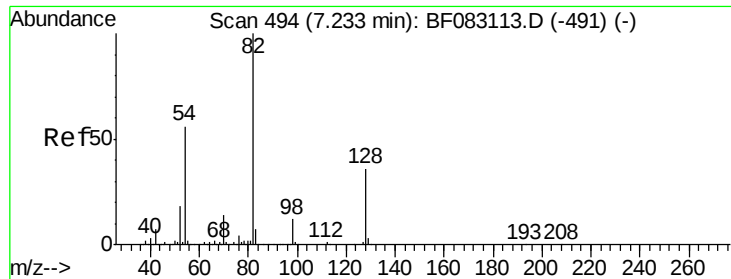
136 100

137 11.2 8.7 13.1

54 9.7 5.8 8.6#

68 6.9 3.8 5.8#

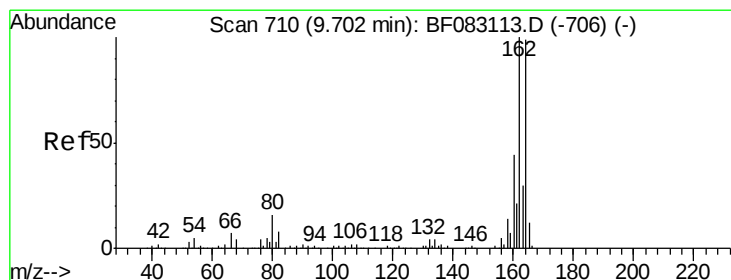
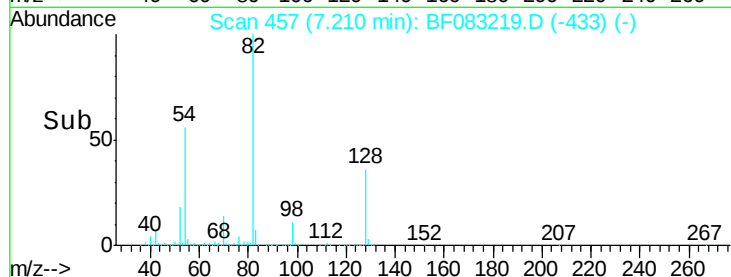
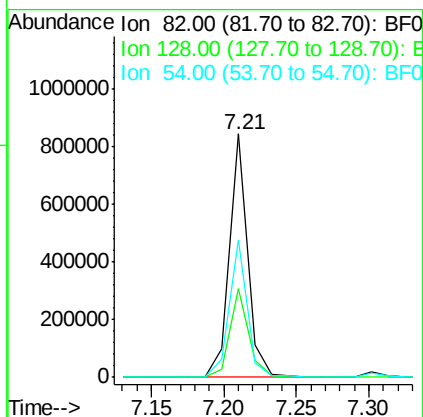
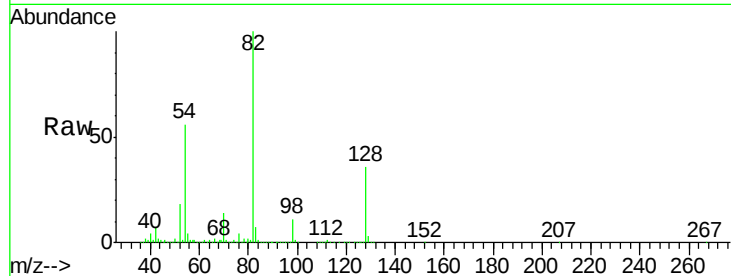




#23
 Nitrobenzene-d5
 Concen: 64.68 ng
 RT: 7.21 min Scan# 457
 Delta R.T. -0.02 min
 Lab File: BF083219.D
 Acq: 23 Nov 2015 22:37

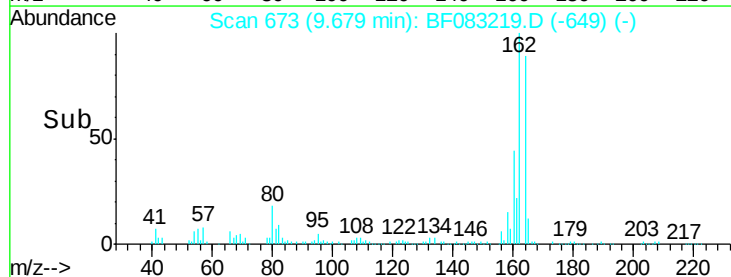
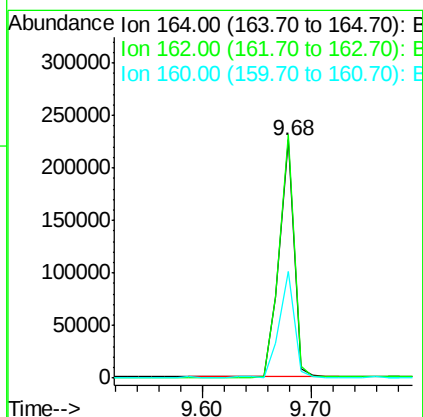
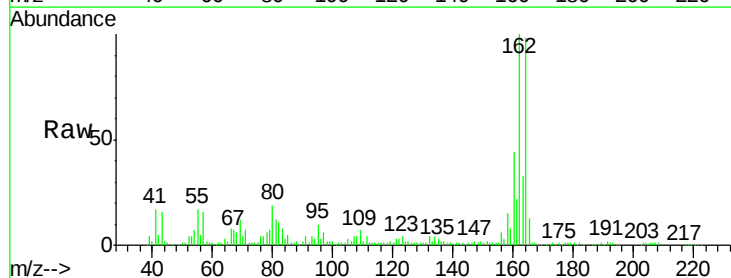
Instrument :
 BNA_F
 ClientSampleId :
 WC-JCRE

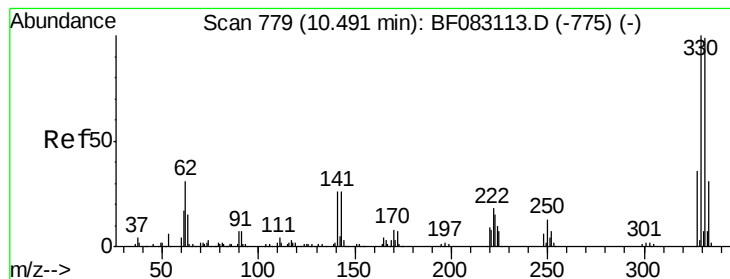
Tgt Ion	Ratio	Lower	Upper
82	100		
128	36.3	28.5	42.7
54	56.4	44.6	67.0



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.68 min Scan# 673
 Delta R.T. -0.02 min
 Lab File: BF083219.D
 Acq: 23 Nov 2015 22:37

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.3	81.2	121.8
160	44.9	35.6	53.4

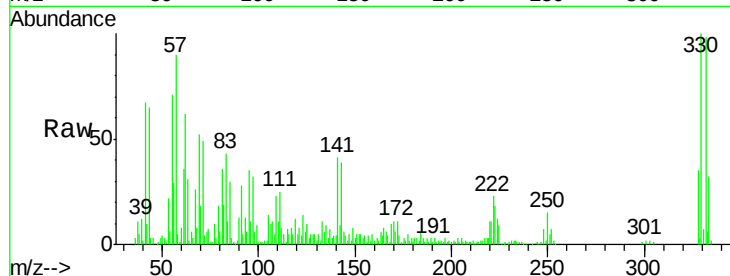




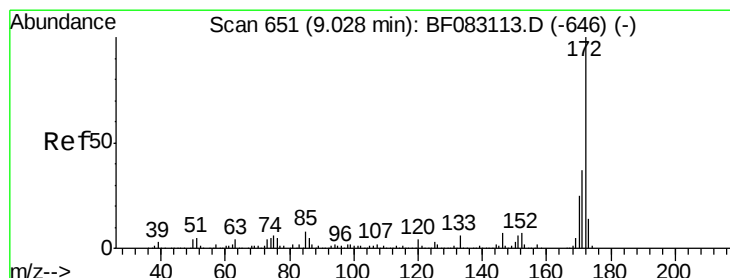
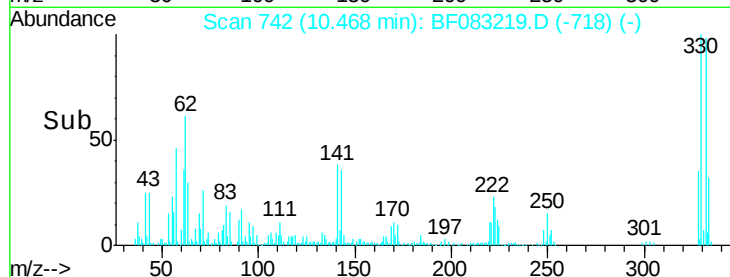
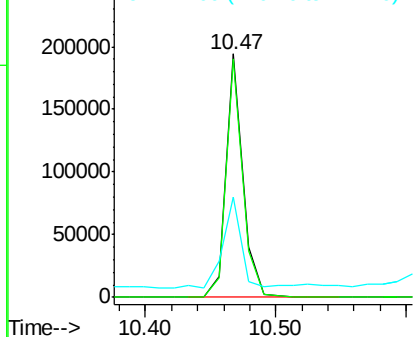
#41
 2,4,6-Tribromophenol
 Concen: 79.63 ng
 RT: 10.47 min Scan# 742
 Delta R.T. -0.02 min
 Lab File: BF083219.D
 Acq: 23 Nov 2015 22:37

Instrument :
 BNA_F
 ClientSampleId :
 WC-JCRE

Tgt Ion:330 Resp: 175140
 Ion Ratio Lower Upper
 330 100
 332 97.0 77.7 116.5
 141 43.9 29.7 44.5

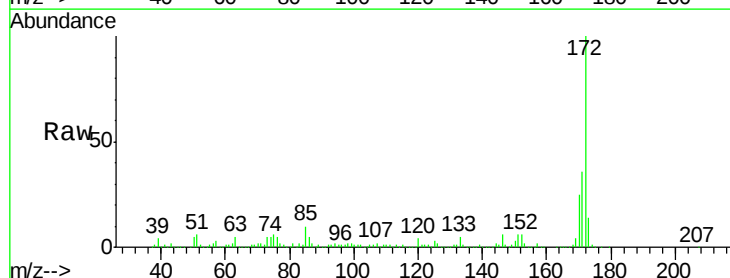


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

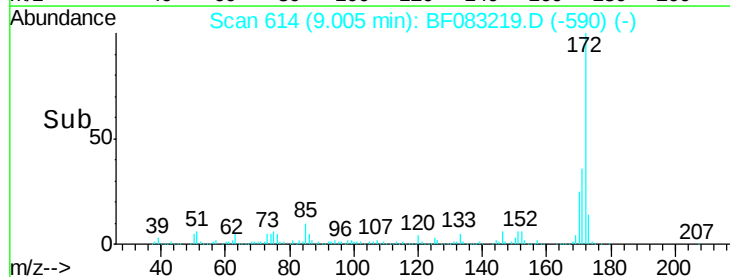
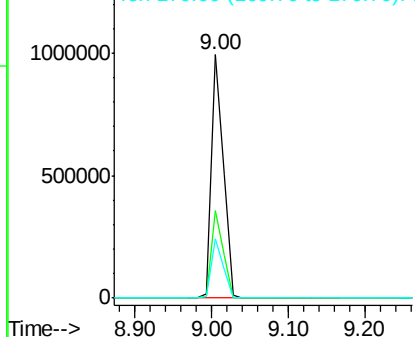


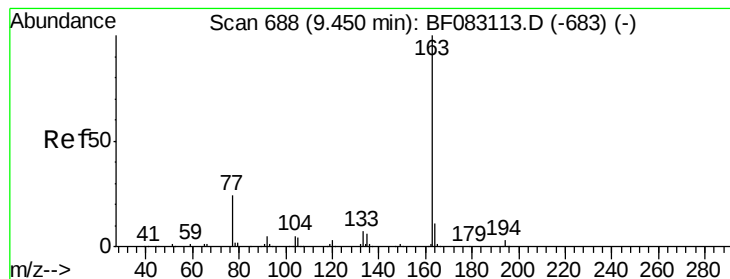
#44
 2-Fluorobiphenyl
 Concen: 68.57 ng
 RT: 9.00 min Scan# 614
 Delta R.T. -0.02 min
 Lab File: BF083219.D
 Acq: 23 Nov 2015 22:37

Tgt Ion:172 Resp: 1057268
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.5 44.3
 170 24.6 19.9 29.9



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: 14.57 ng

RT: 9.40 min Scan# 649

Delta R.T. -0.05 min

Lab File: BF083219.D

Acq: 23 Nov 2015 22:37

Instrument :

BNA_F

ClientSampleId :

WC-JCRE

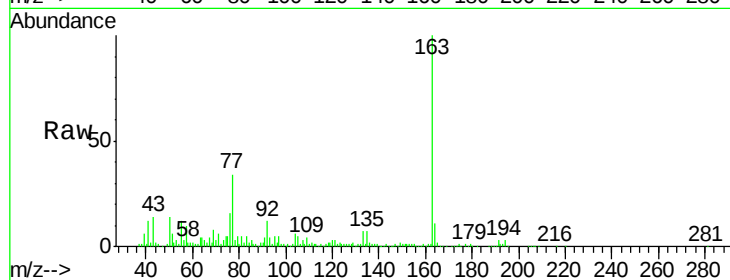
Tgt Ion:163 Resp: 241237

Ion Ratio Lower Upper

163 100

194 3.1 2.6 4.0

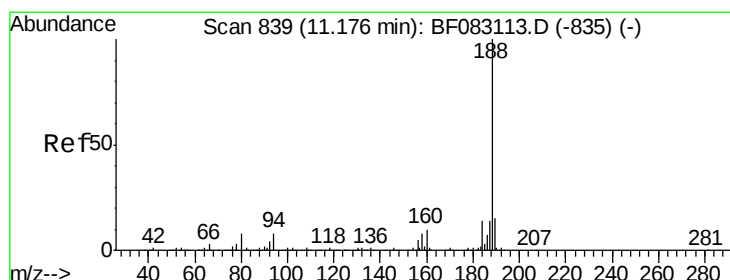
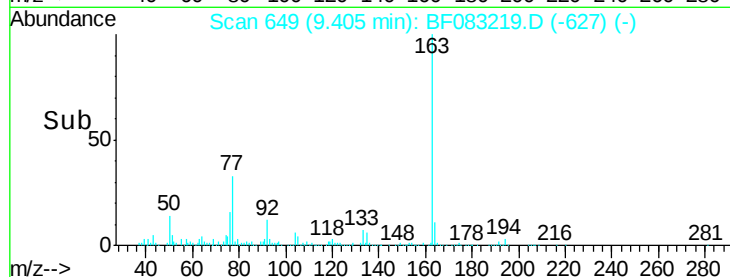
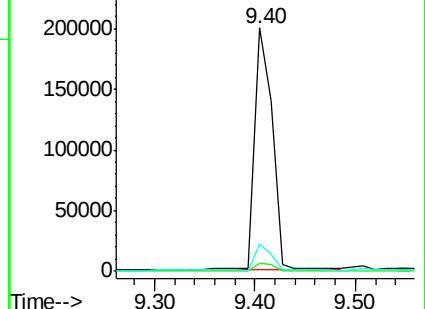
164 11.0 8.6 12.8



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.16 min Scan# 803

Delta R.T. -0.01 min

Lab File: BF083219.D

Acq: 23 Nov 2015 22:37

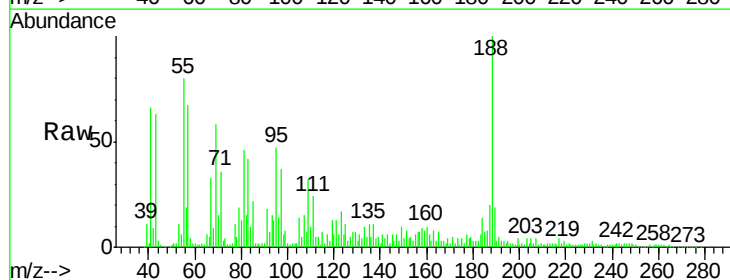
Tgt Ion:188 Resp: 323812

Ion Ratio Lower Upper

188 100

94 13.2 6.0 9.0#

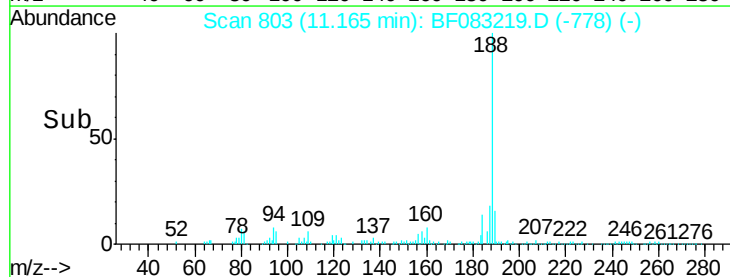
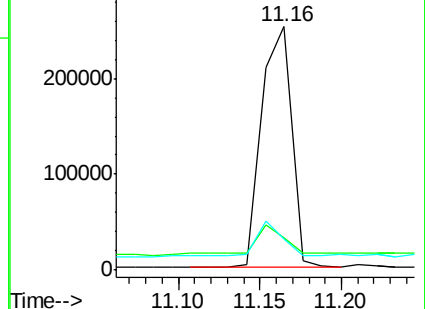
80 12.6 6.7 10.1#

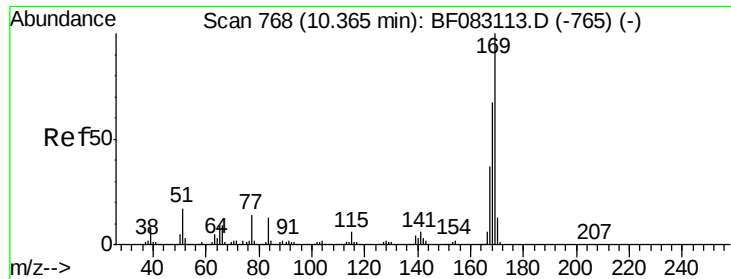


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#65

n-Nitrosodiphenylamine

Concen: 4.51 ng

RT: 10.35 min Scan# 732

Delta R.T. -0.01 min

Lab File: BF083219.D

Acq: 23 Nov 2015 22:37

Instrument :

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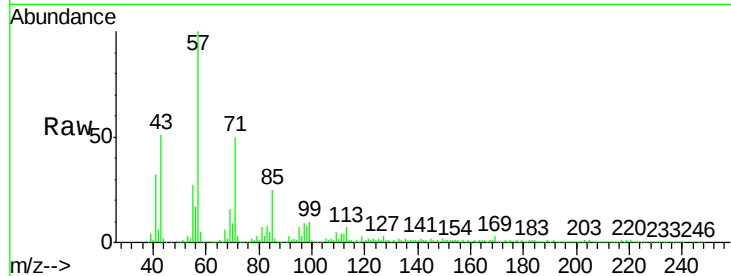
Tgt Ion:169 Resp: 49616

Ion Ratio Lower Upper

169 100

168 32.3 53.8 80.6#

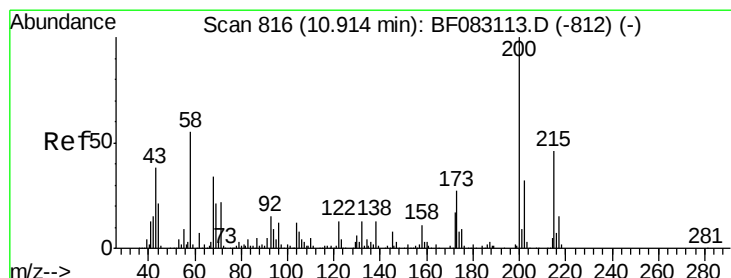
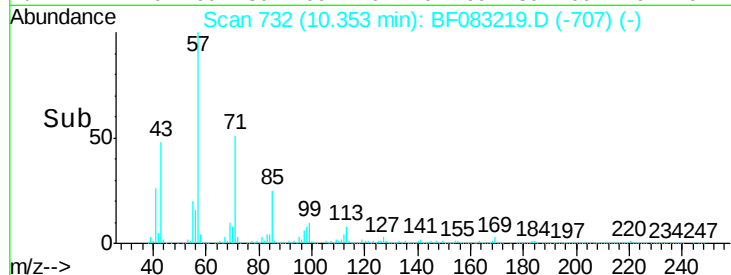
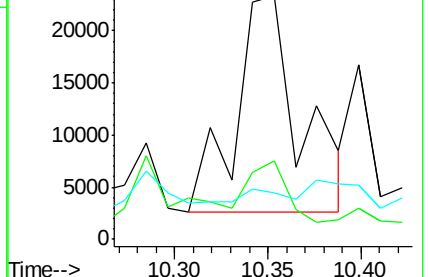
167 19.0 29.8 44.8#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#68

Atrazine

Concen: 4.38 ng

RT: 10.89 min Scan# 779

Delta R.T. -0.02 min

Lab File: BF083219.D

Acq: 23 Nov 2015 22:37

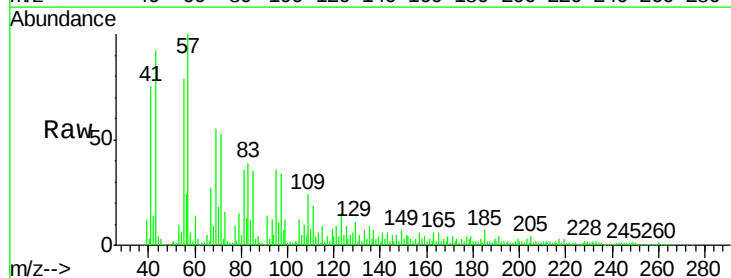
Tgt Ion:200 Resp: 14000

Ion Ratio Lower Upper

200 100

173 120.4 7.2 47.2#

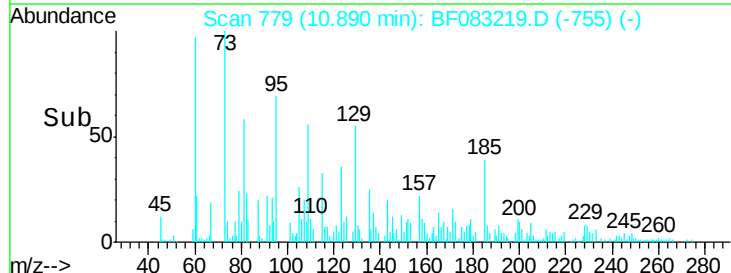
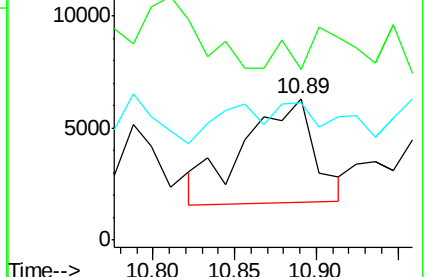
215 97.2 25.7 65.7#

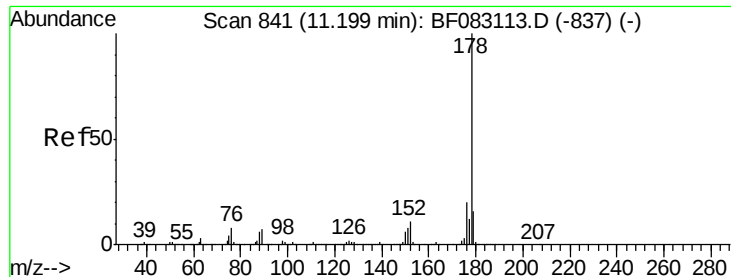


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

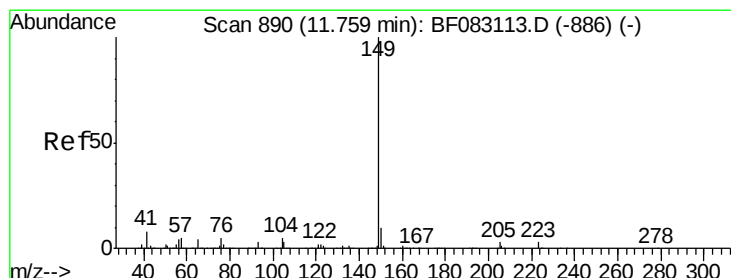
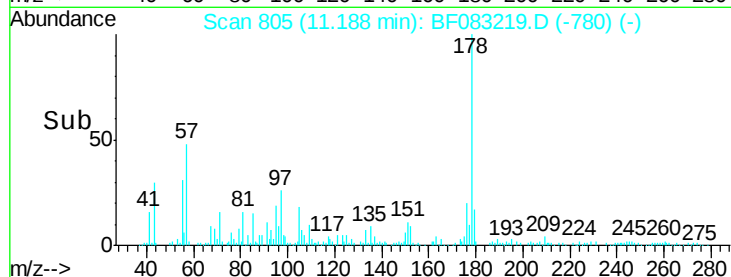
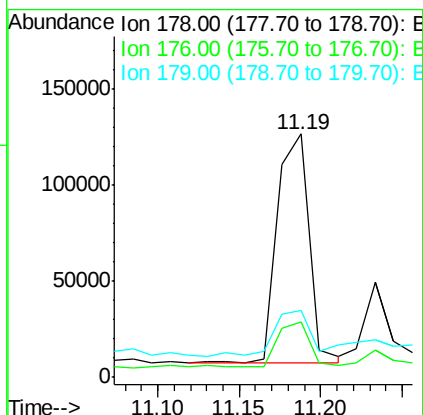
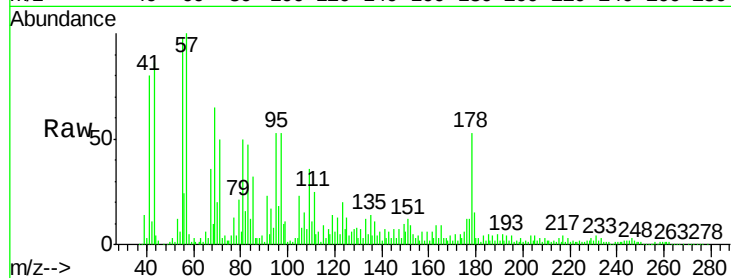




#70
Phenanthrene
Concen: 8.65 ng
RT: 11.19 min Scan# 805
Delta R.T. -0.01 min
Lab File: BF083219.D
Acq: 23 Nov 2015 22:37

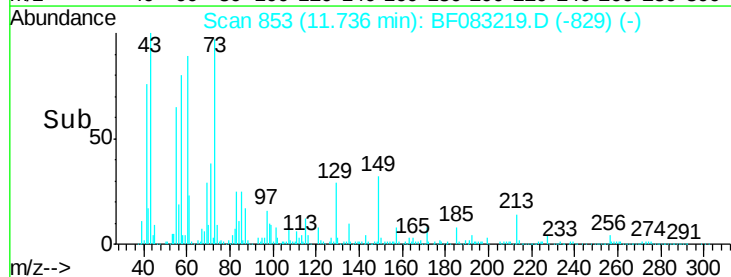
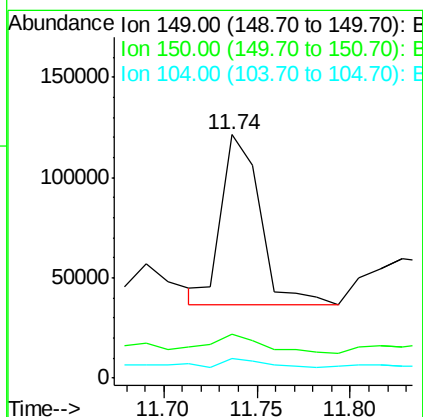
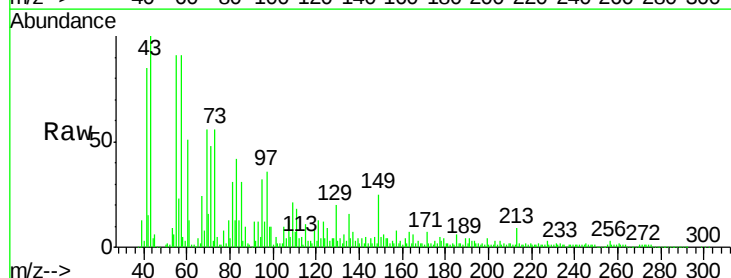
Instrument :
BNA_F
ClientSampleId :
WC-JCRE

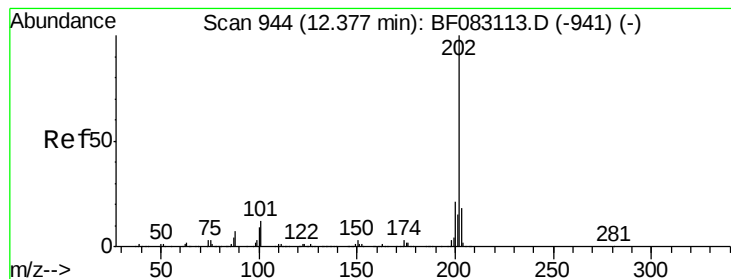
Tgt Ion:178 Resp: 161406
Ion Ratio Lower Upper
178 100
176 22.7 16.2 24.2
179 27.4 12.8 19.2#



#73
Di-n-butylphthalate
Concen: 5.96 ng
RT: 11.74 min Scan# 853
Delta R.T. -0.02 min
Lab File: BF083219.D
Acq: 23 Nov 2015 22:37

Tgt Ion:149 Resp: 123076
Ion Ratio Lower Upper
149 100
150 18.1 8.0 12.0#
104 8.0 4.4 6.6#





#74

Fluoranthene

Concen: 10.73 ng

RT: 12.38 min Scan# 909

Delta R.T. -0.00 min

Lab File: BF083219.D

Acq: 23 Nov 2015 22:37

Instrument :

BNA_F

ClientSampleId :

WC-JCRE

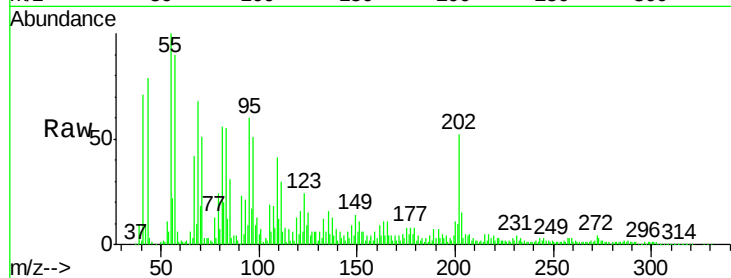
Tgt Ion:202 Resp: 204938

Ion Ratio Lower Upper

202 100

101 13.2 0.0 32.3

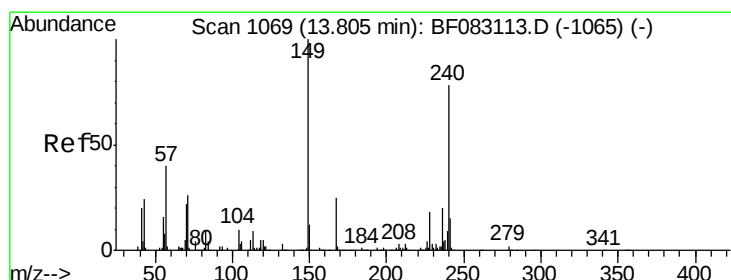
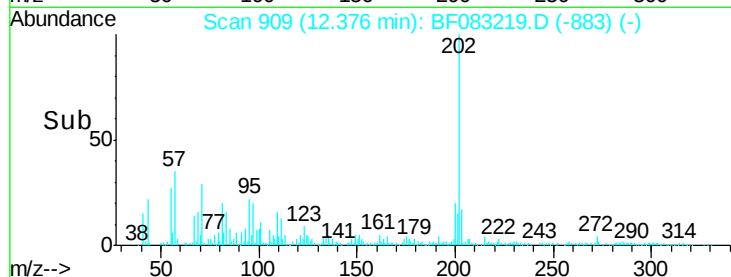
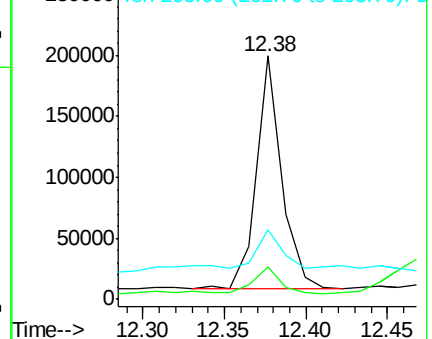
203 28.7 0.0 38.4



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: 13.82 min Scan# 1035

Delta R.T. 0.01 min

Lab File: BF083219.D

Acq: 23 Nov 2015 22:37

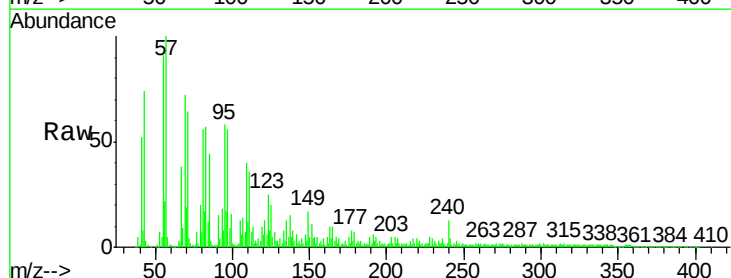
Tgt Ion:240 Resp: 203776

Ion Ratio Lower Upper

240 100

120 42.3 5.4 8.2#

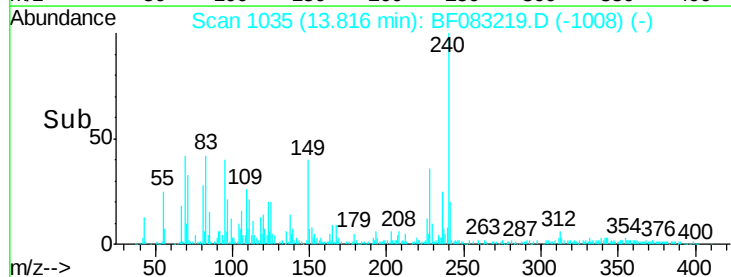
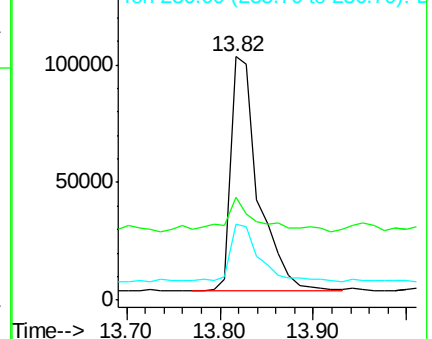
236 31.2 20.6 31.0#

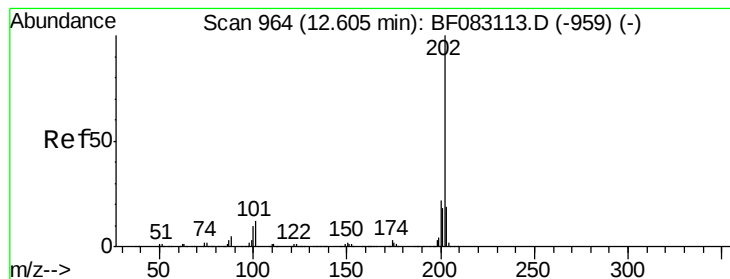


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 16.08 ng

RT: 12.60 min Scan# 929

Delta R.T. -0.00 min

Lab File: BF083219.D

Acq: 23 Nov 2015 22:37

Instrument :

BNA_F

ClientSampleId :

WC-JCRE

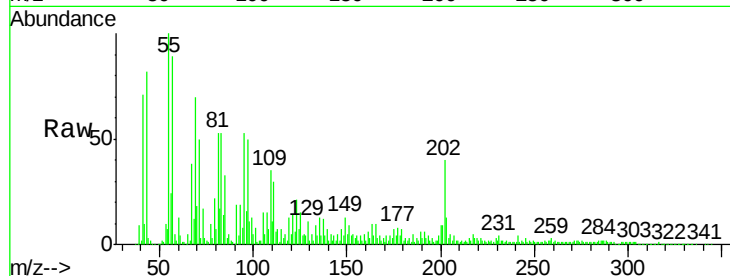
Tgt Ion:202 Resp: 223840

Ion Ratio Lower Upper

202 100

200 22.9 17.8 26.6

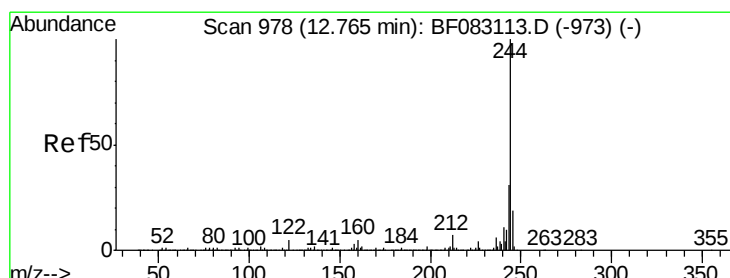
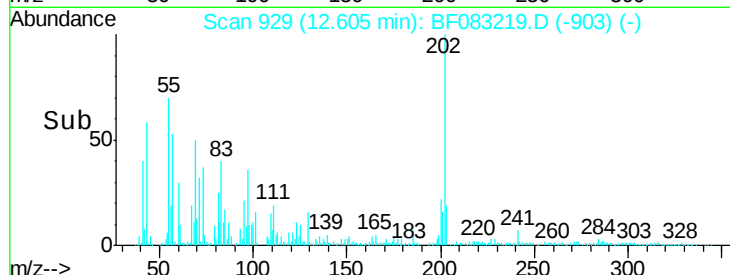
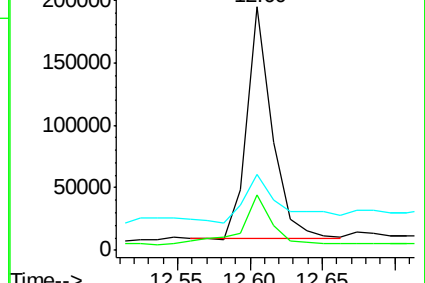
203 31.2 15.0 22.4#



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: 83.44 ng

RT: 12.76 min Scan# 943

Delta R.T. -0.00 min

Lab File: BF083219.D

Acq: 23 Nov 2015 22:37

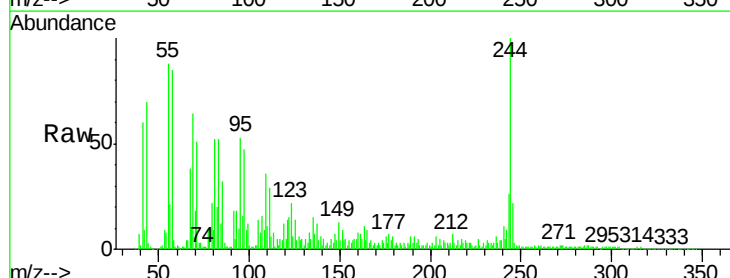
Tgt Ion:244 Resp: 722011

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.2

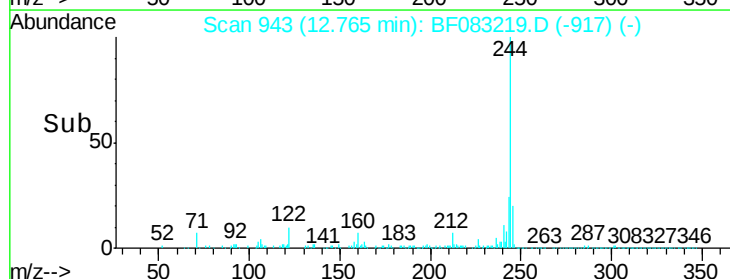
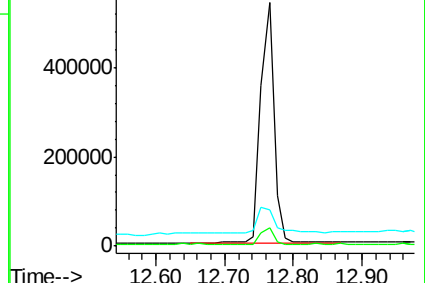
122 15.2 4.3 6.5#

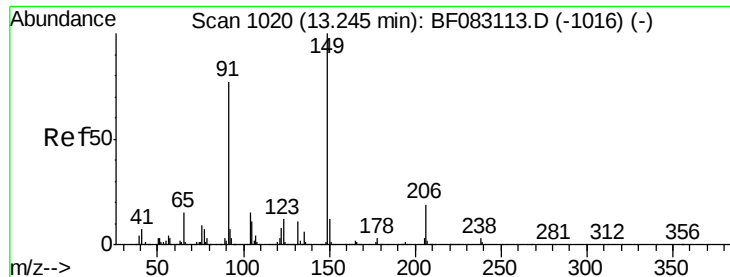


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 3.74 ng

RT: 13.24 min Scan# 985

Delta R.T. -0.00 min

Lab File: BF083219.D

Acq: 23 Nov 2015 22:37

Instrument :

BNA_F

ClientSampleId :

WC-JCRE

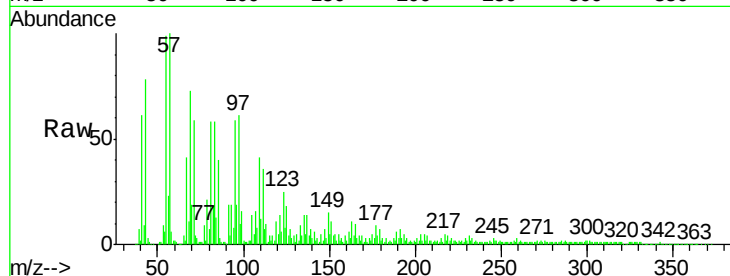
Tgt Ion:149 Resp: 24641

Ion Ratio Lower Upper

149 100

91 126.2 61.5 92.3#

206 15.9 15.3 22.9



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E

150000

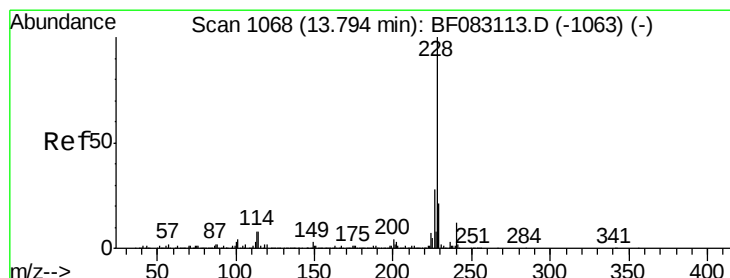
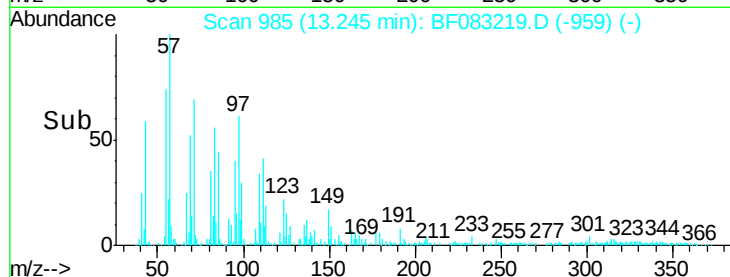
100000

50000

0

13.20 13.25 13.30

Time-->



#80

Benzo(a)anthracene

Concen: 11.32 ng

RT: 13.85 min Scan# 1038

Delta R.T. 0.06 min

Lab File: BF083219.D

Acq: 23 Nov 2015 22:37

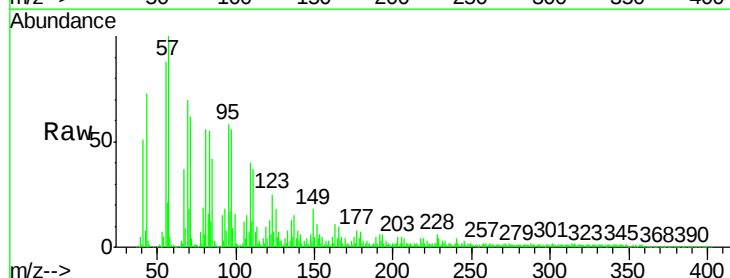
Tgt Ion:228 Resp: 142675

Ion Ratio Lower Upper

228 100

226 34.7 22.6 33.8#

229 57.0 16.6 24.8#



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

60000

50000

40000

30000

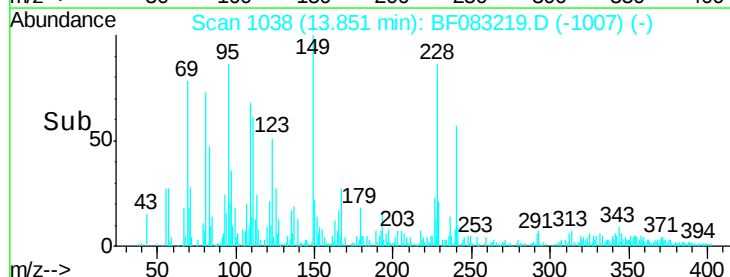
20000

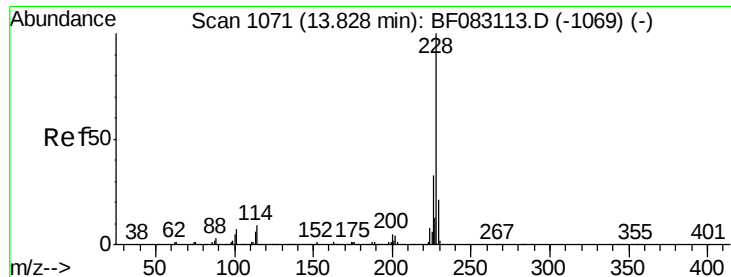
10000

0

13.70 13.80 13.90

Time-->





#82

Chrysene

Concen: 12.21 ng

RT: 13.85 min Scan# 1038

Delta R.T. 0.02 min

Lab File: BF083219.D

Acq: 23 Nov 2015 22:37

Instrument :

BNA_F

ClientSampleId :

WC-JCRE

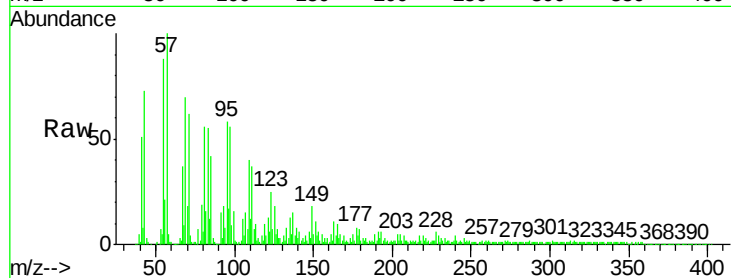
Tgt Ion:228 Resp: 142675

Ion Ratio Lower Upper

228 100

226 34.7 25.5 38.3

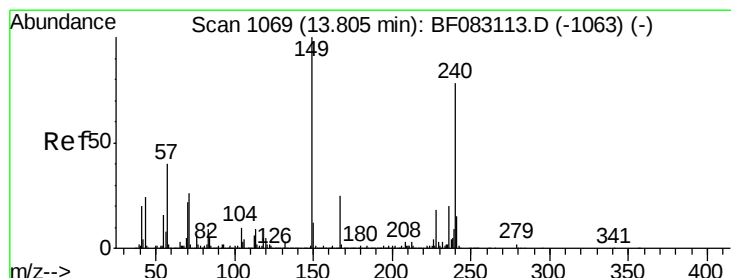
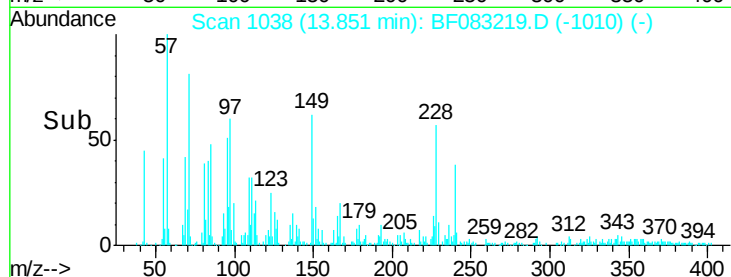
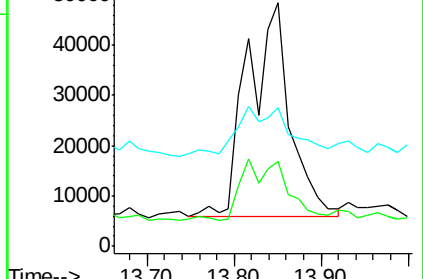
229 57.0 16.6 25.0#



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 25.37 ng

RT: 13.84 min Scan# 1037

Delta R.T. 0.03 min

Lab File: BF083219.D

Acq: 23 Nov 2015 22:37

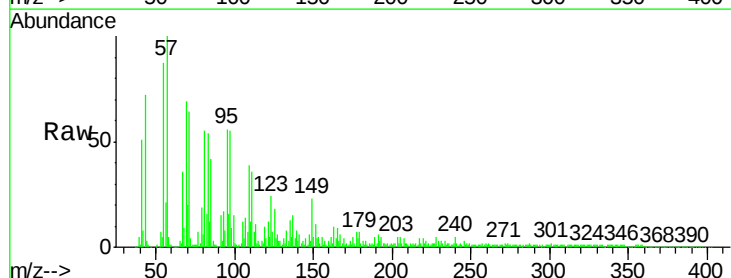
Tgt Ion:149 Resp: 218321

Ion Ratio Lower Upper

149 100

167 27.7 20.1 30.1

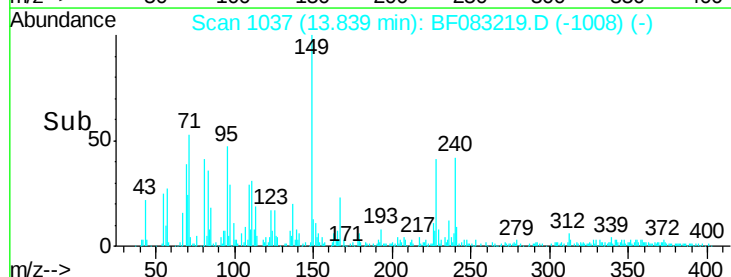
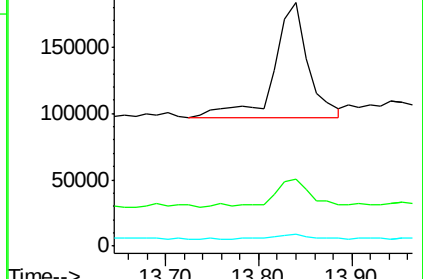
279 4.7 1.7 2.5#

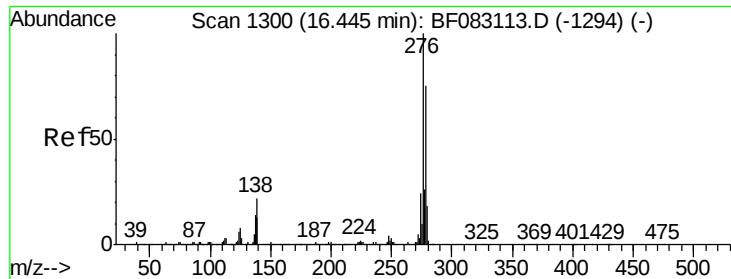


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Indeno(1,2,3-cd)pyrene

Concen: 5.23 ng

RT: 16.53 min Scan# 1272

Delta R.T. 0.08 min

Lab File: BF083219.D

Acq: 23 Nov 2015 22:37

Instrument :

BNA_F

ClientSampleId :

WC-JCRE

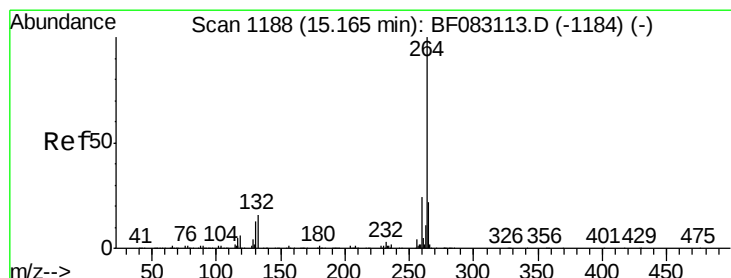
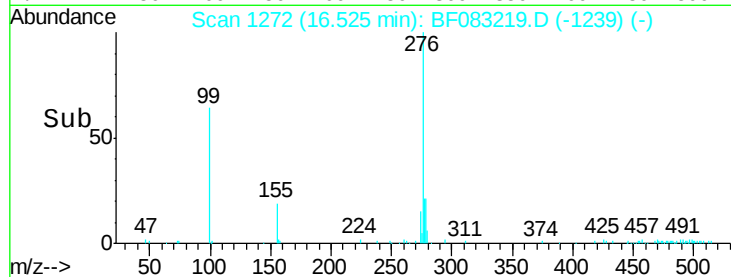
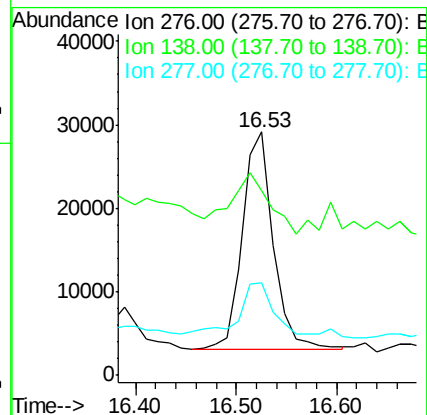
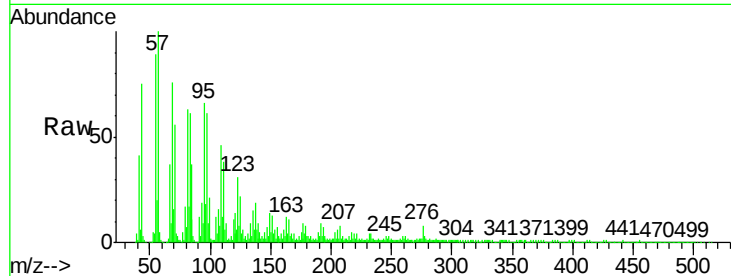
Tgt Ion:276 Resp: 55647

Ion Ratio Lower Upper

276 100

138 35.1 18.0 27.0#

277 26.9 20.2 30.4



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.25 min Scan# 1160

Delta R.T. 0.08 min

Lab File: BF083219.D

Acq: 23 Nov 2015 22:37

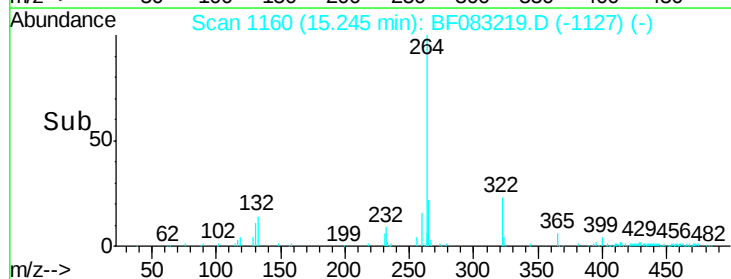
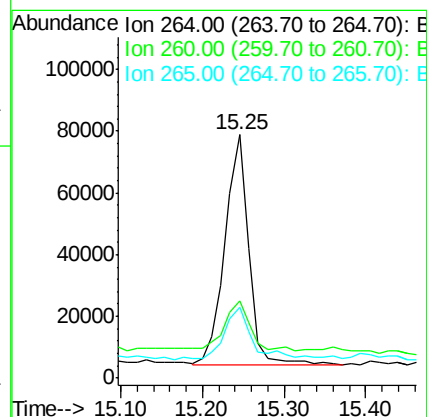
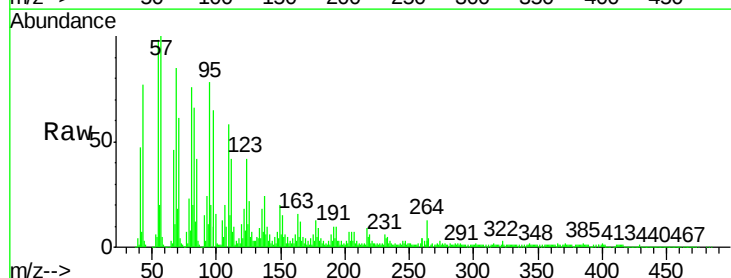
Tgt Ion:264 Resp: 152432

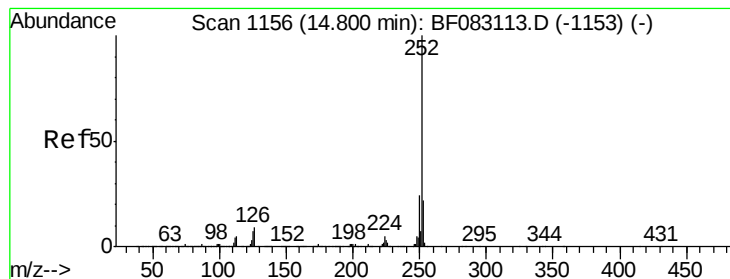
Ion Ratio Lower Upper

264 100

260 31.9 19.1 28.7#

265 29.2 18.2 27.4#





#87

Benzo(b)fluoranthene

Concen: 9.27 ng

RT: 14.87 min Scan# 1127

Delta R.T. 0.07 min

Lab File: BF083219.D

Acq: 23 Nov 2015 22:37

Instrument :

BNA_F

ClientSampleId :

WC-JCRE

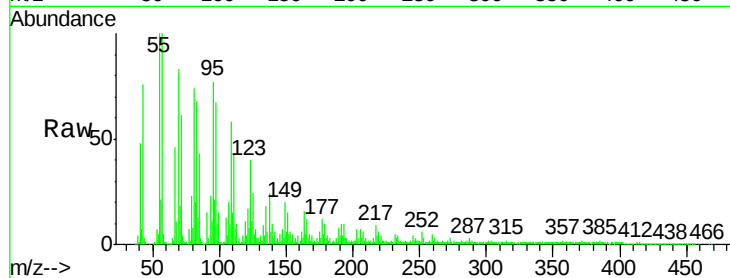
Tgt Ion:252 Resp: 96578

Ion Ratio Lower Upper

252 100

253 59.6 17.7 26.5#

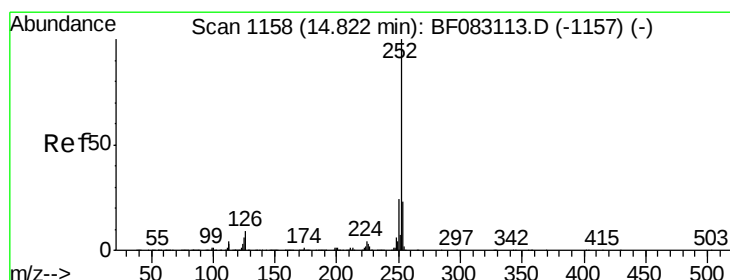
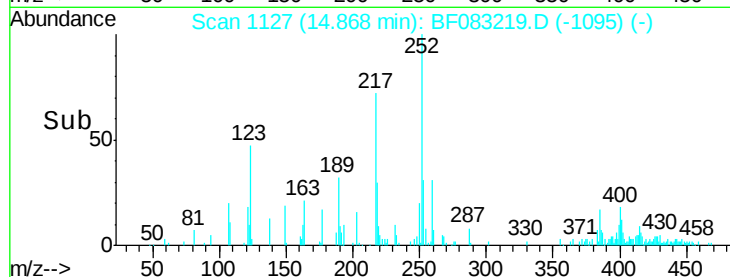
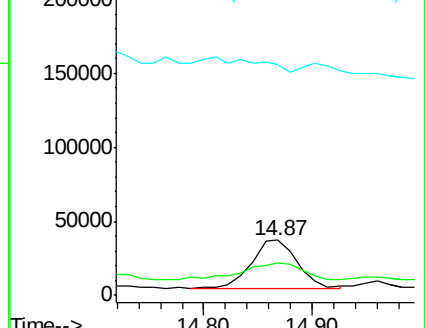
125 418.5 5.6 8.4#



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



#88

Benzo(k)fluoranthene

Concen: 12.03 ng

RT: 14.87 min Scan# 1127

Delta R.T. 0.05 min

Lab File: BF083219.D

Acq: 23 Nov 2015 22:37

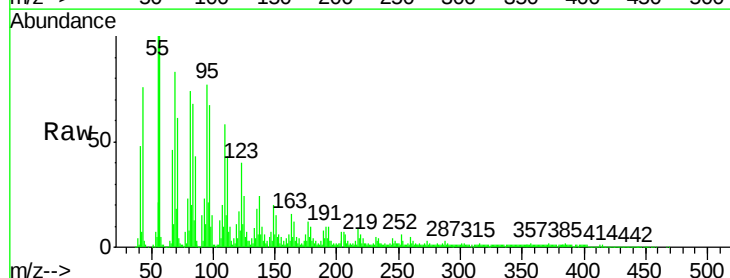
Tgt Ion:252 Resp: 93335

Ion Ratio Lower Upper

252 100

253 59.6 18.2 27.2#

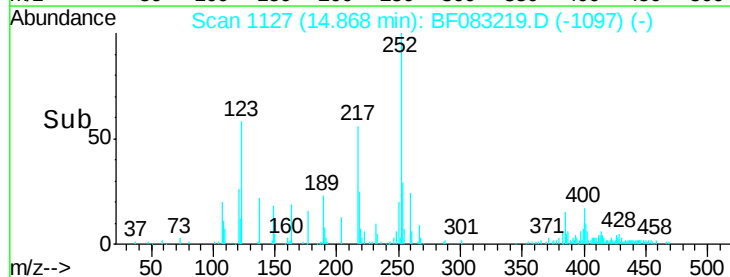
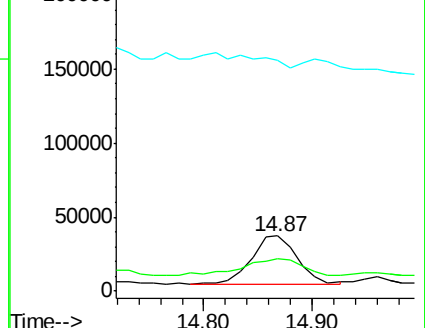
125 418.5 6.8 10.2#

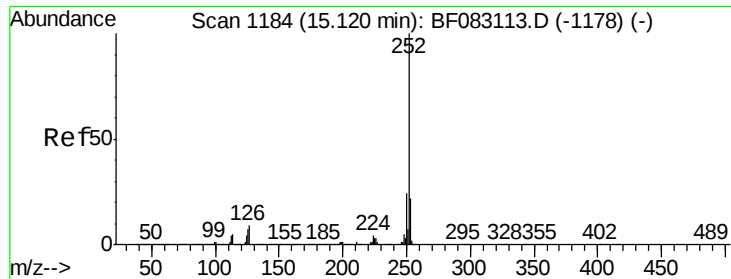


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 4.11 ng

RT: 15.19 min Scan# 1155

Delta R.T. 0.07 min

Lab File: BF083219.D

Acq: 23 Nov 2015 22:37

Instrument :

BNA_F

ClientSampleId :

WC-JCRE

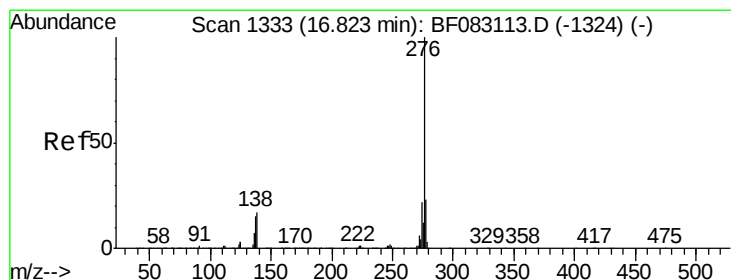
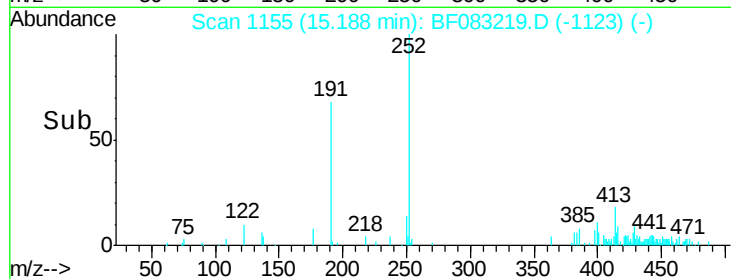
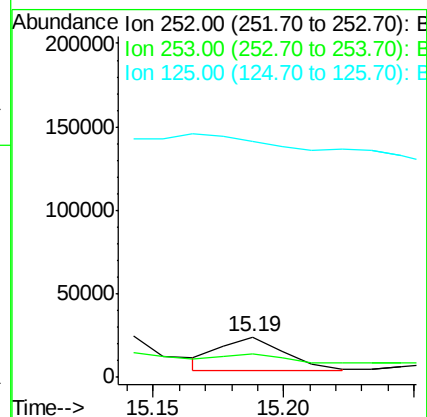
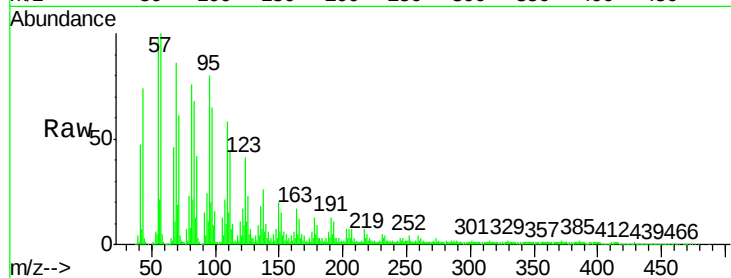
Tgt Ion:252 Resp: 35306

Ion Ratio Lower Upper

252 100

253 57.1 17.5 26.3#

125 586.0 5.4 8.0#



#91

Benzo(g,h,i)perylene

Concen: 15.51 ng

RT: 16.90 min Scan# 1305

Delta R.T. 0.08 min

Lab File: BF083219.D

Acq: 23 Nov 2015 22:37

Tgt Ion:276 Resp: 118233

Ion Ratio Lower Upper

276 100

277 28.4 18.7 28.1#

138 41.1 13.9 20.9#

