

Data Path : Z:\HPCHEM1\BNA F\DATA\BF111815\
 Data File : BF083024.D
 Acq On : 18 Nov 2015 22:54
 Operator : UM/IZ
 Sample : G4430-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-JC

Quant Time: Nov 19 01:52:40 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 18 13:32:32 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	120036	20.00	ng	-0.01
21) Naphthalene-d8	8.02	136	449036	20.00	ng	0.00
38) Acenaphthene-d10	9.77	164	202796	20.00	ng	-0.01
63) Phenanthrene-d10	11.25	188	284349	20.00	ng	0.00
75) Chrysene-d12	13.91	240	223940	20.00	ng	0.01
86) Perylene-d12	15.32	264	201519	20.00	ng	0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	9065	1.18	ng	-0.01
7) Phenol-d6	6.37	99	14831	1.45	ng	-0.02
23) Nitrobenzene-d5	7.29	82	8658	0.84	ng	-0.02
41) 2,4,6-Tribromophenol	10.56	330	2271	0.98	ng	-0.01
44) 2-Fluorobiphenyl	9.09	172	12427	0.88	ng	-0.01
78) Terphenyl-d14	12.84	244	8676	0.92	ng	0.00

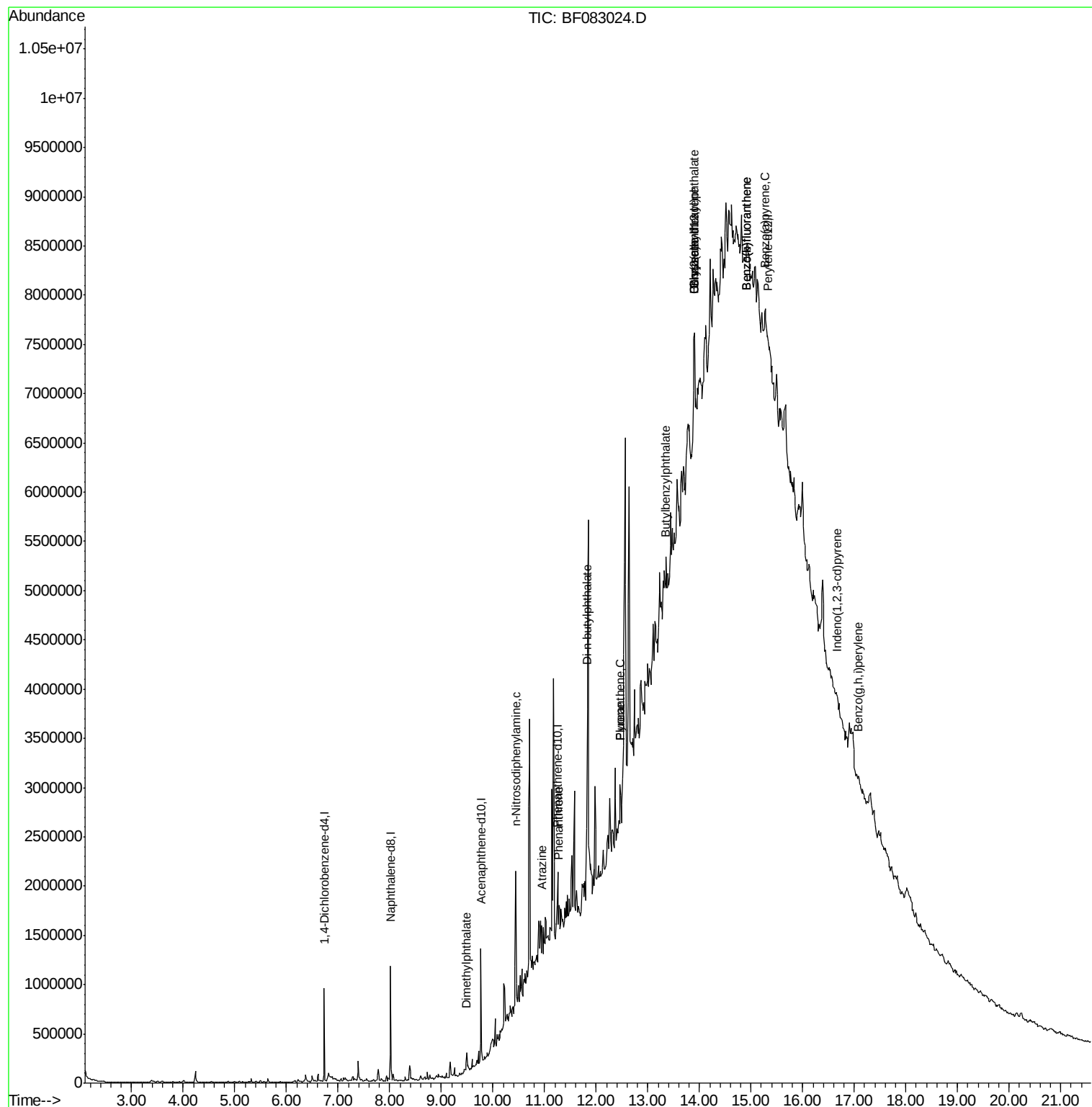
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
49) Dimethylphthalate	9.49	163	65326	3.93	ng	# 97
65) n-Nitrosodiphenylamine	10.44	169	29116	2.83	ng	# 57
68) Atrazine	10.96	200	6752	2.13	ng	# 1
70) Phenanthrene	11.28	178	81383	4.93	ng	# 92
73) Di-n-butylphthalate	11.82	149	56292	2.97	ng	# 94
74) Fluoranthene	12.47	202	119678	6.75	ng	# 93
77) Pyrene	12.47	202	120466	7.83	ng	# 94
79) Butylbenzylphthalate	13.33	149	29845	4.39	ng	# 85
80) Benzo(a)anthracene	13.89	228	49491	3.53	ng	# 81
82) Chrysene	13.89	228	49491	3.86	ng	# 85
83) Bis(2-ethylhexyl)phthalate	13.91	149	117643	12.65	ng	# 97
85) Indeno(1,2,3-cd)pyrene	16.67	276	34669	3.14	ng	# 86
87) Benzo(b)fluoranthene	14.92	252	77173	5.97	ng	# 1
88) Benzo(k)fluoranthene	14.92	252	77173	6.73	ng	# 1
89) Benzo(a)pyrene	15.27	252	36916	3.29	ng	# 1
91) Benzo(g,h,i)perylene	17.07	276	60101	6.61	ng	# 66

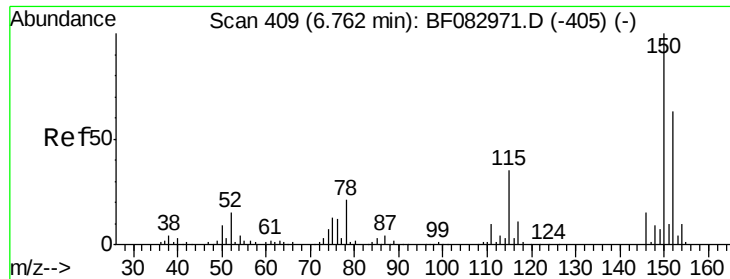
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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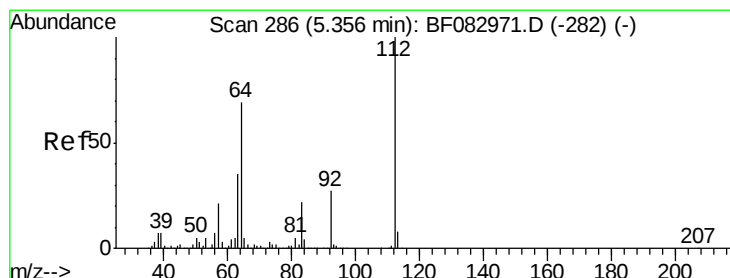
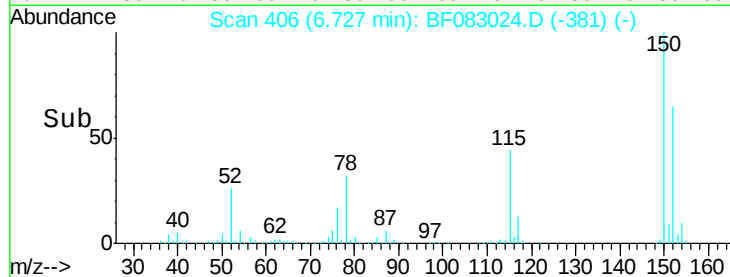
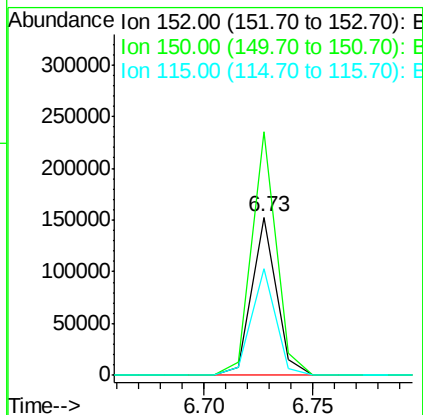
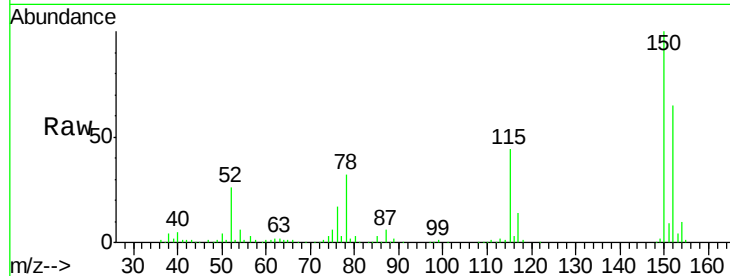


#1

1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.73 min Scan# 406
 Delta R.T. -0.01 min
 Lab File: BF083024.D
 Acq: 18 Nov 2015 22:54

Instrument :
 BNA_F
 ClientSampleId :
 WC-JC

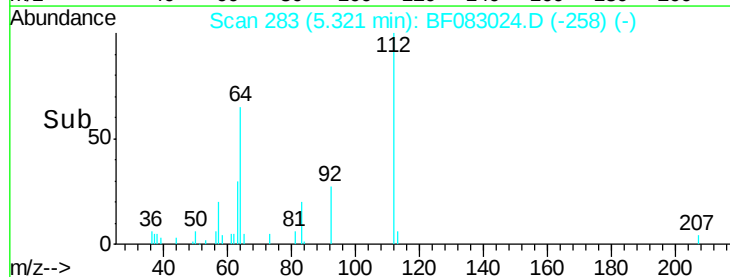
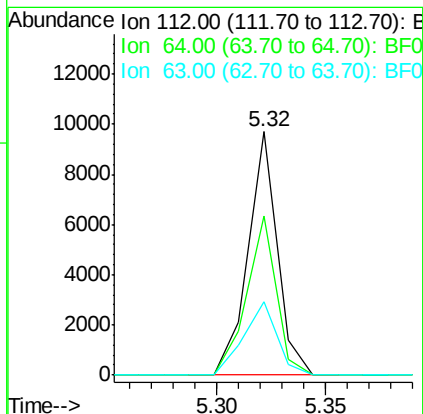
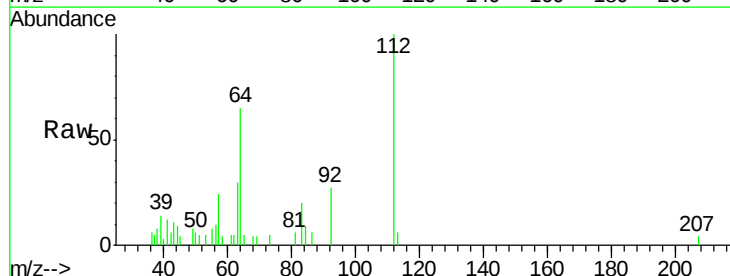
Tot Ion:152 Resp: 120036
 Ion Ratio Lower Upper
 152 100
 150 154.2 127.0 190.4
 115 67.8 47.0 70.6

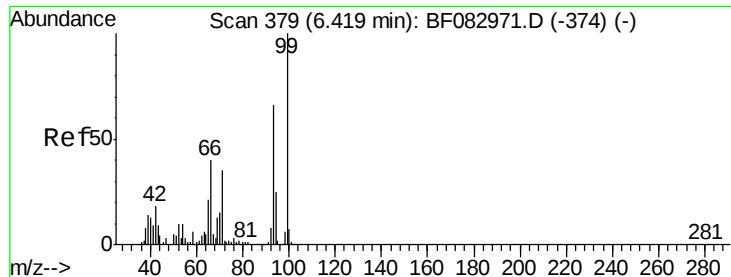


#5

2-Fluorophenol
 Concen: 1.18 ng
 RT: 5.32 min Scan# 283
 Delta R.T. -0.01 min
 Lab File: BF083024.D
 Acq: 18 Nov 2015 22:54

Tgt Ion:112 Resp: 9065
 Ion Ratio Lower Upper
 112 100
 64 65.4 48.9 73.3
 63 30.1 28.1 42.1





#7

Phenol-d6

Concen: 1.45 ng

RT: 6.37 min Scan# 375

Delta R.T. -0.02 min

Lab File: BF083024.D

Acq: 18 Nov 2015 22:54

Instrument :

BNA_F

ClientSampleId :

WC-JC

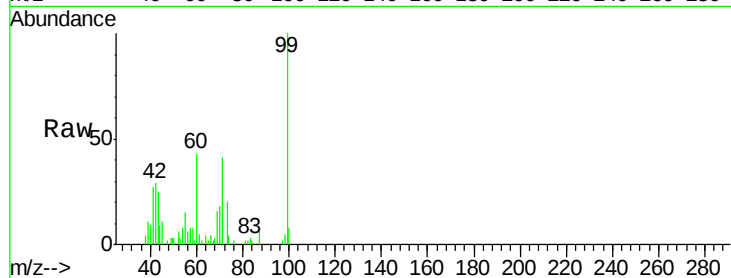
Tot Ion: 99 Resp: 14831

Ion Ratio Lower Upper

99 100

42 28.7 19.2 28.8

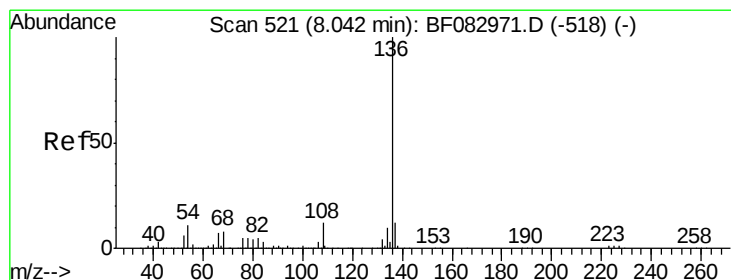
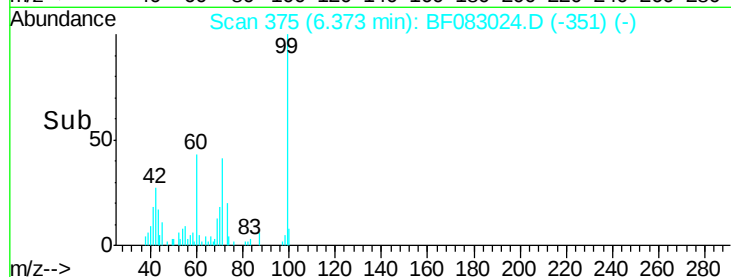
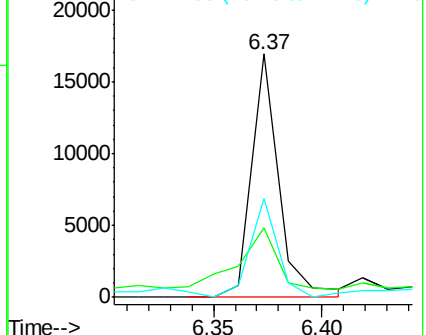
71 40.8 35.0 52.4



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.02 min Scan# 519

Delta R.T. 0.00 min

Lab File: BF083024.D

Acq: 18 Nov 2015 22:54

Tgt Ion:136 Resp: 449036

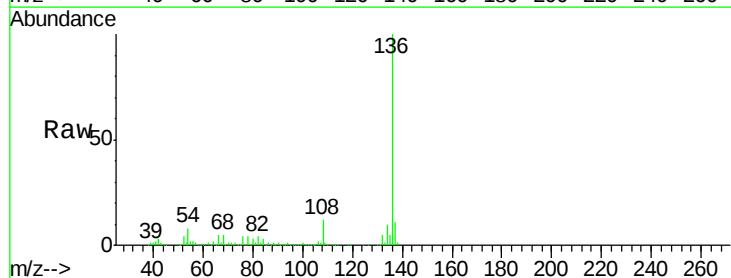
Ion Ratio Lower Upper

136 100

137 11.1 9.1 13.7

54 7.7 9.1 13.7#

68 5.2 4.8 7.2

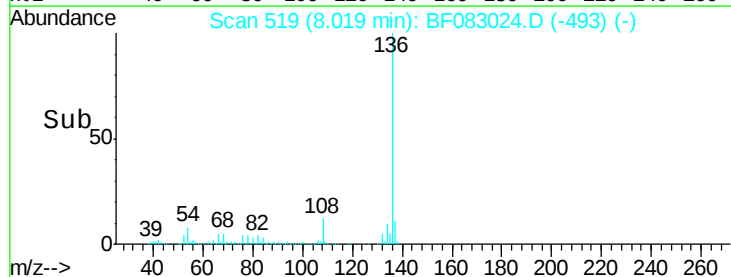
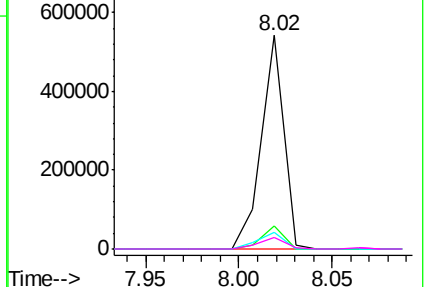


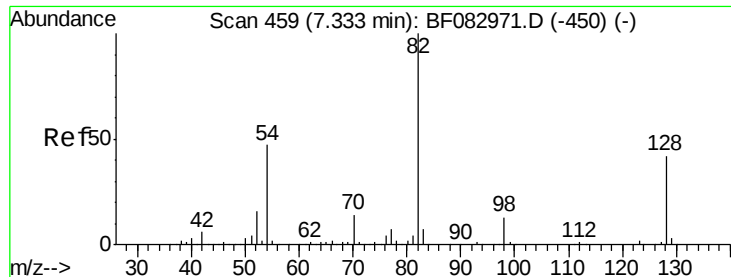
Abundance Ion 136.00 (135.70 to 136.70): E

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

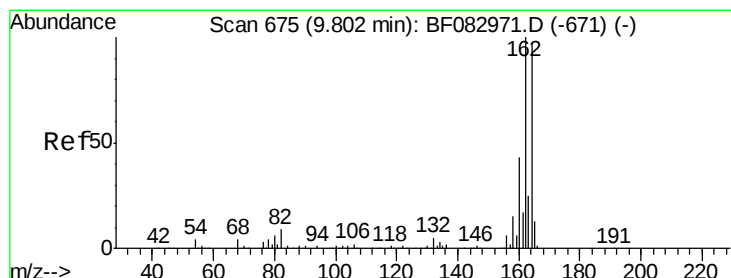
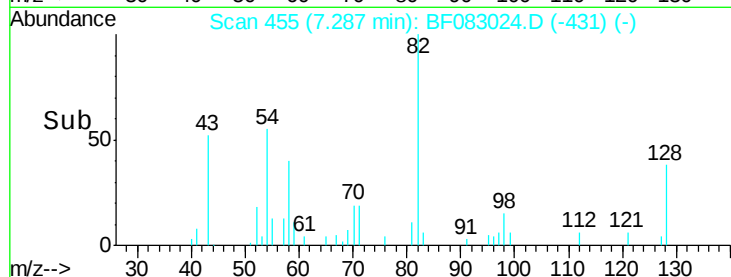
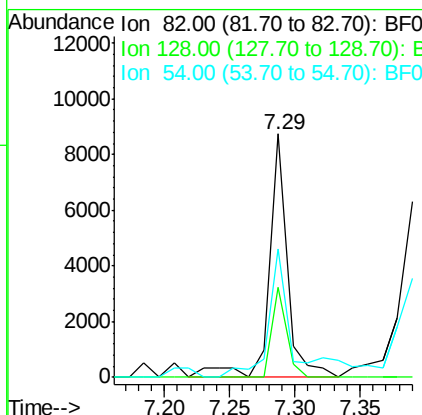
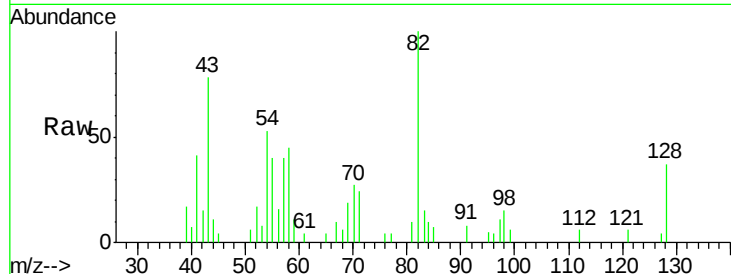




#23
 Nitrobenzene-d5
 Concen: 0.84 ng
 RT: 7.29 min Scan# 455
 Delta R.T. -0.02 min
 Lab File: BF083024.D
 Acq: 18 Nov 2015 22:54

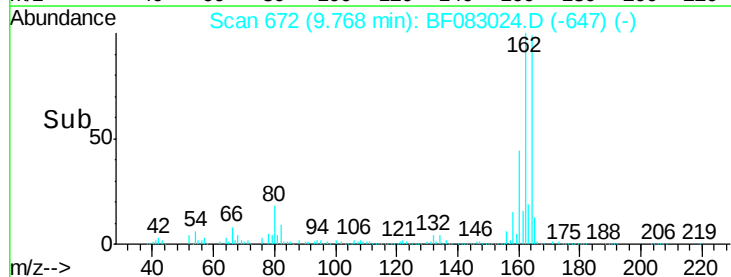
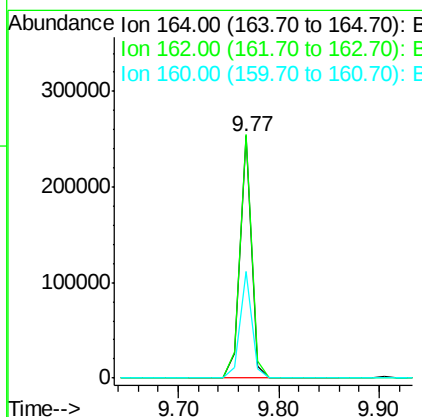
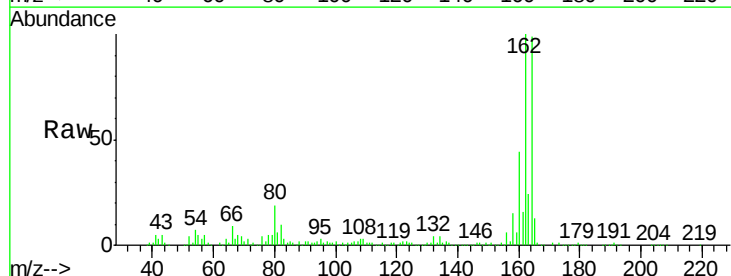
Instrument :
 BNA_F
 ClientSampleId :
 WC-JC

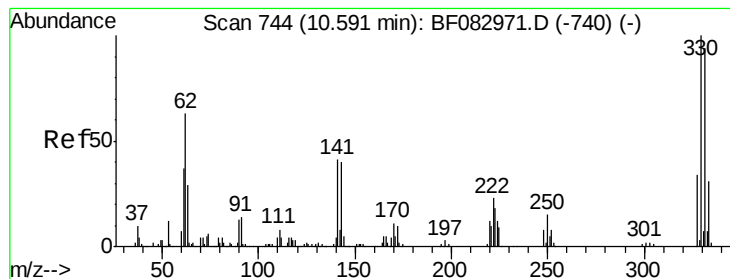
Tot Ion	82	Resp	8658
Ion Ratio	Lower	Upper	
82	100		
128	37.0	26.8	40.2
54	52.9	45.7	68.5



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.77 min Scan# 672
 Delta R.T. -0.01 min
 Lab File: BF083024.D
 Acq: 18 Nov 2015 22:54

Tgt Ion	164	Resp	202796
Ion Ratio	Lower	Upper	
164	100		
162	100.5	84.9	127.3
160	43.8	37.5	56.3





#41

2,4,6-Tribromophenol

Concen: 0.98 ng

RT: 10.56 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF083024.D

Acq: 18 Nov 2015 22:54

Instrument :

BNA_F

ClientSampleId :

WC-JC

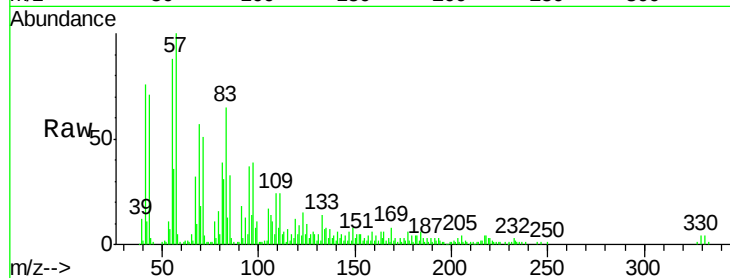
Tot Ion:330 Resp: 2271

Ion Ratio Lower Upper

330 100

332 105.5 76.6 114.8

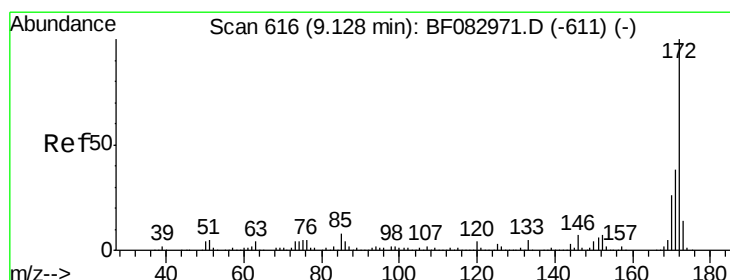
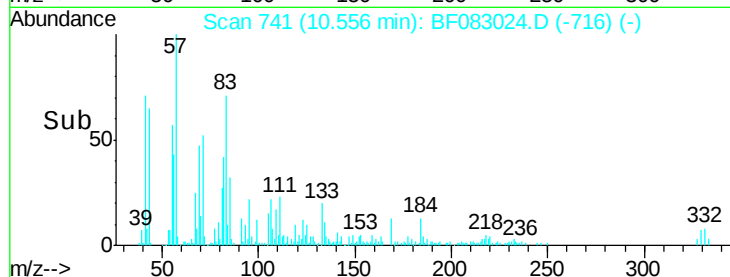
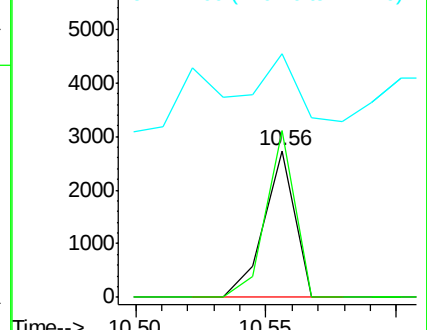
141 0.0 41.2 61.8#



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: 0.88 ng

RT: 9.09 min Scan# 613

Delta R.T. -0.01 min

Lab File: BF083024.D

Acq: 18 Nov 2015 22:54

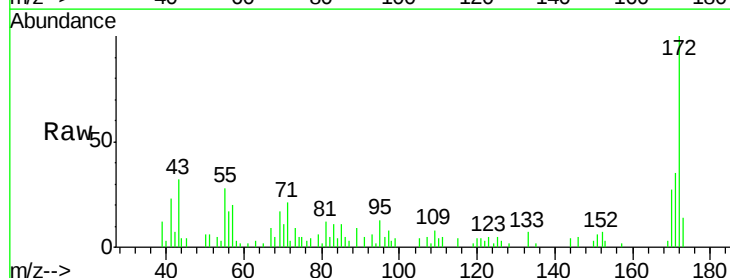
Tgt Ion:172 Resp: 12427

Ion Ratio Lower Upper

172 100

171 34.9 30.8 46.2

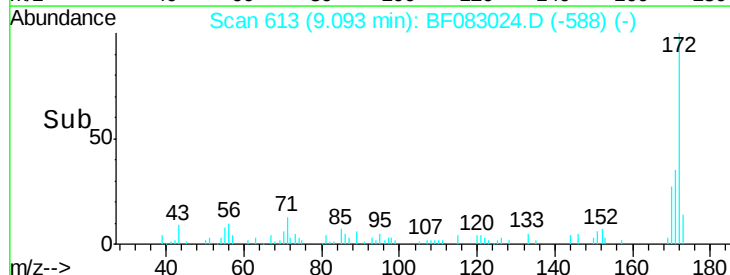
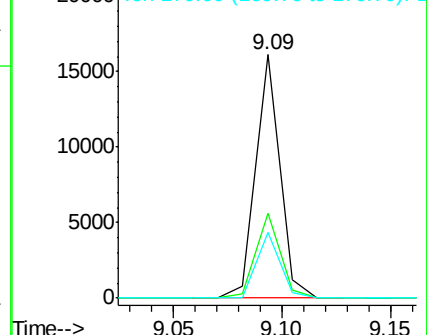
170 27.2 21.2 31.8

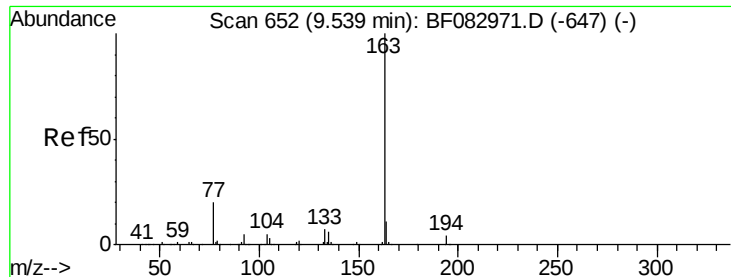


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 3.93 ng

RT: 9.49 min Scan# 648

Delta R.T. -0.02 min

Lab File: BF083024.D

Acq: 18 Nov 2015 22:54

Instrument :

BNA_F

ClientSampled :

WC-JC

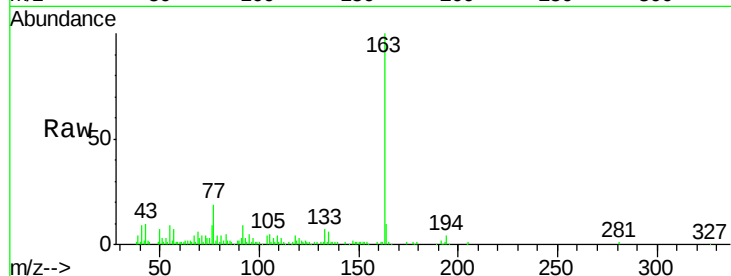
Tot Ion:163 Resp: 65326

Ion Ratio Lower Upper

163 100

194 4.0 2.6 4.0#

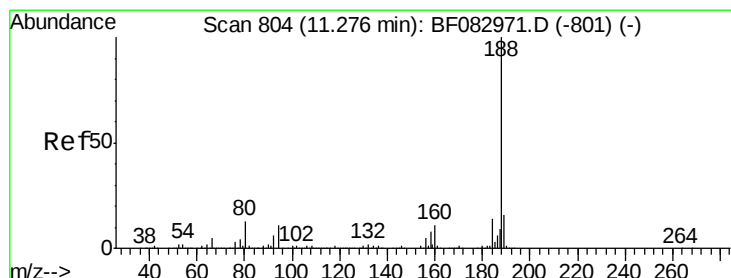
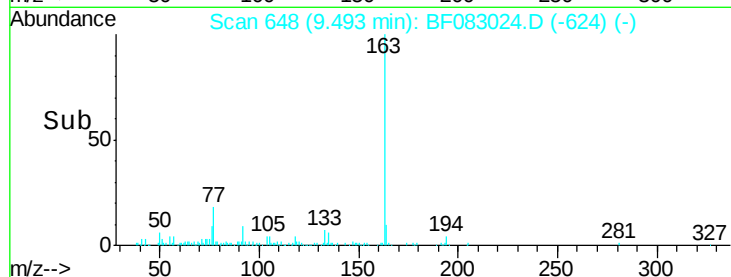
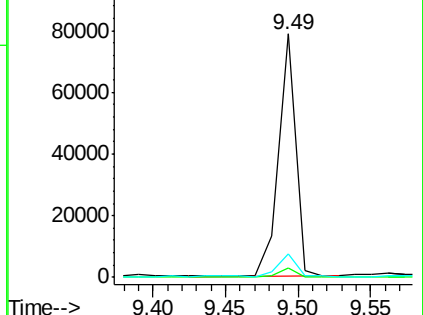
164 9.9 8.7 13.1



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: 11.25 min Scan# 802

Delta R.T. 0.00 min

Lab File: BF083024.D

Acq: 18 Nov 2015 22:54

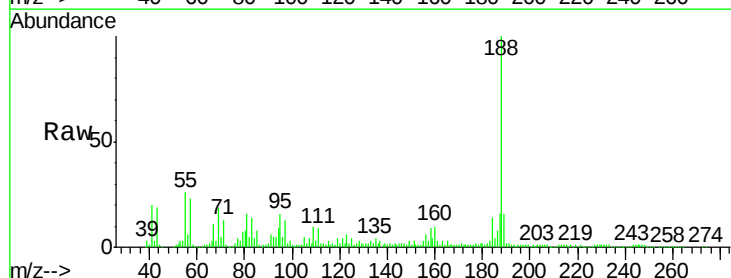
Tgt Ion:188 Resp: 284349

Ion Ratio Lower Upper

188 100

94 8.8 6.1 9.1

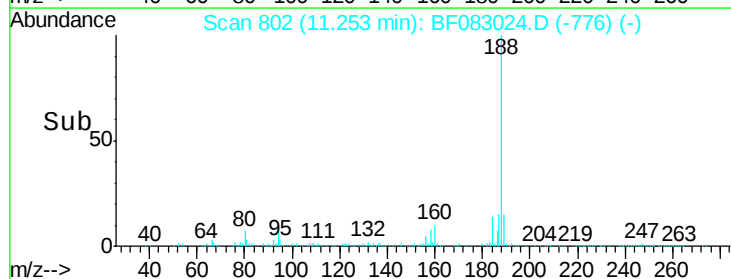
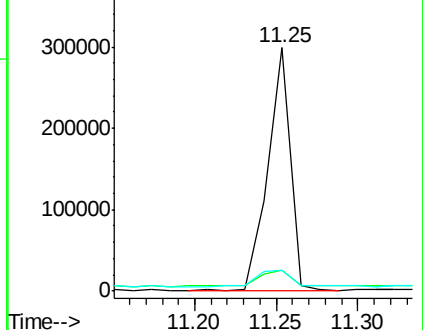
80 8.4 7.0 10.6

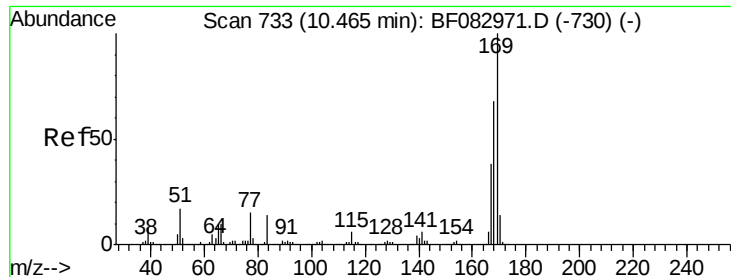


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#65

n-Nitrosodiphenylamine

Concen: 2.83 ng

RT: 10.44 min Scan# 731

Delta R.T. 0.00 min

Lab File: BF083024.D

Acq: 18 Nov 2015 22:54

Instrument :

BNA_F

ClientSampled :

WC-JC

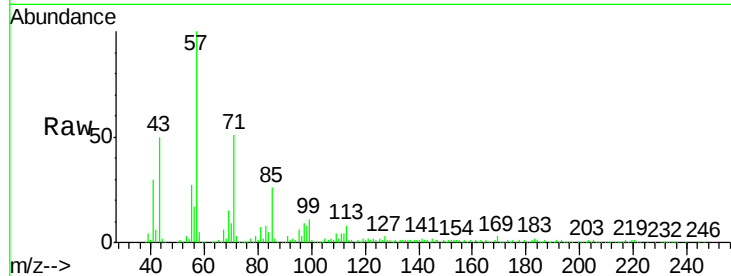
Tot Ion:169 Resp: 29116

Ion Ratio Lower Upper

169 100

168 32.1 55.0 82.6#

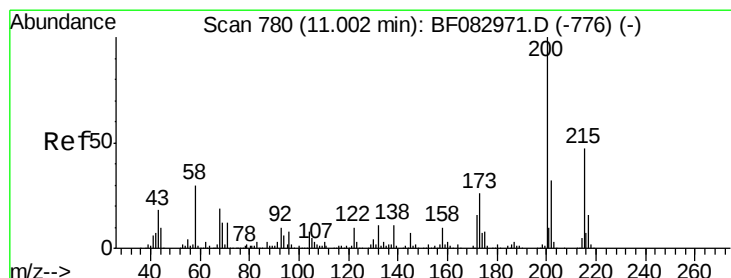
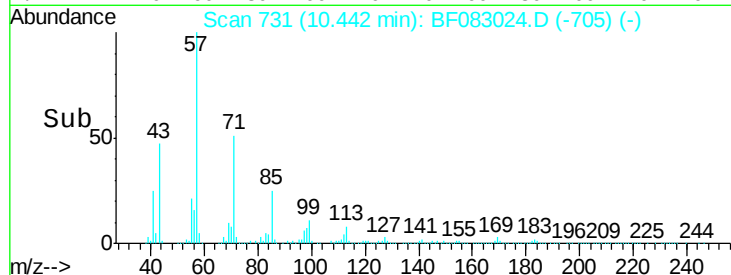
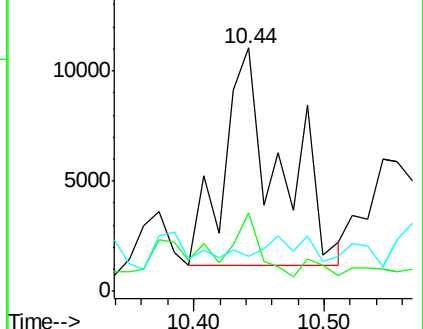
167 14.3 30.5 45.7#



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: 2.13 ng

RT: 10.96 min Scan# 776

Delta R.T. -0.02 min

Lab File: BF083024.D

Acq: 18 Nov 2015 22:54

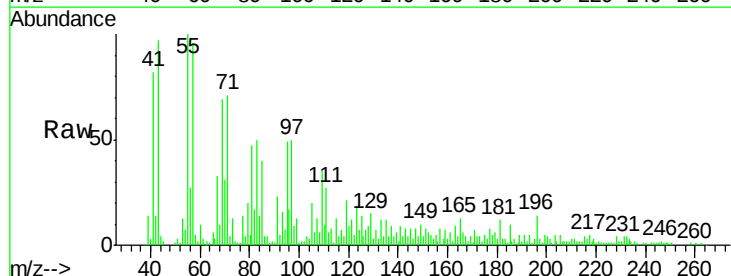
Tgt Ion:200 Resp: 6752

Ion Ratio Lower Upper

200 100

173 112.0 6.9 46.9#

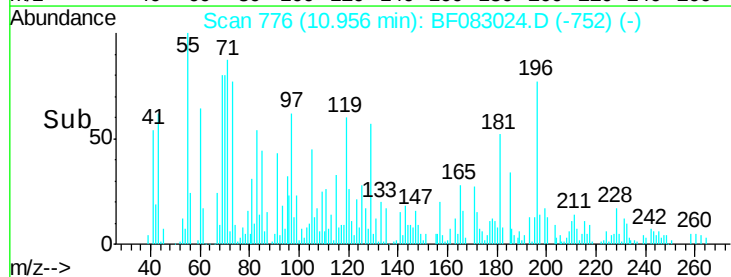
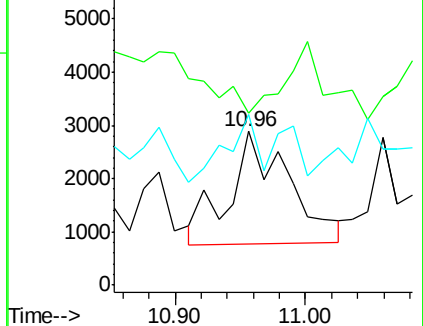
215 111.3 22.9 62.9#

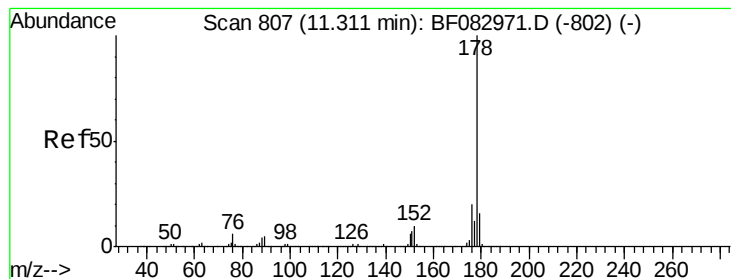


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





#70

Phenanthrene

Concen: 4.93 ng

RT: 11.28 min Scan# 804

Delta R.T. 0.00 min

Lab File: BF083024.D

Acq: 18 Nov 2015 22:54

Instrument :

BNA_F

ClientSampleId :

WC-JC

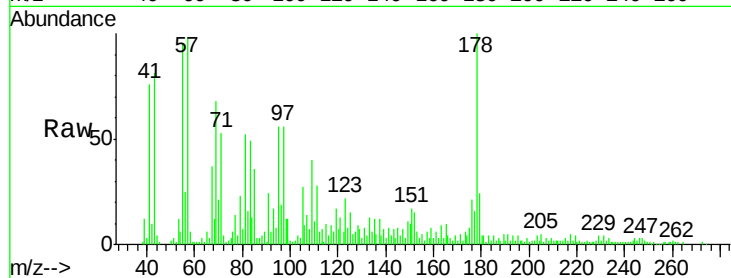
Tot Ion:178 Resp: 81383

Ion Ratio Lower Upper

178 100

176 20.7 17.0 25.4

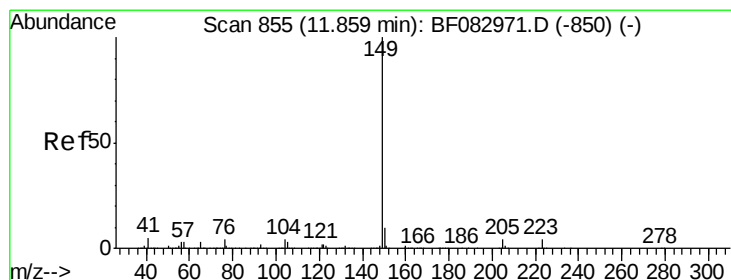
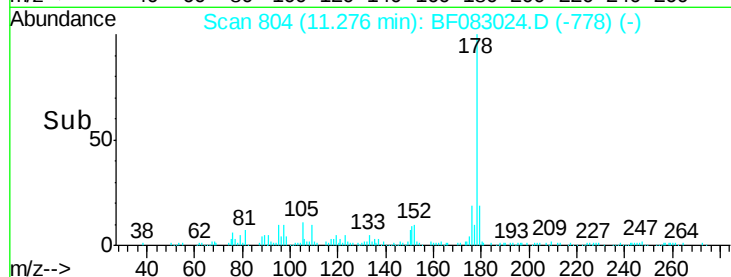
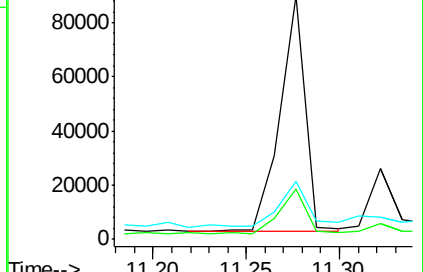
179 23.7 13.4 20.0#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#73

Di-n-butylphthalate

Concen: 2.97 ng

RT: 11.82 min Scan# 852

Delta R.T. 0.00 min

Lab File: BF083024.D

Acq: 18 Nov 2015 22:54

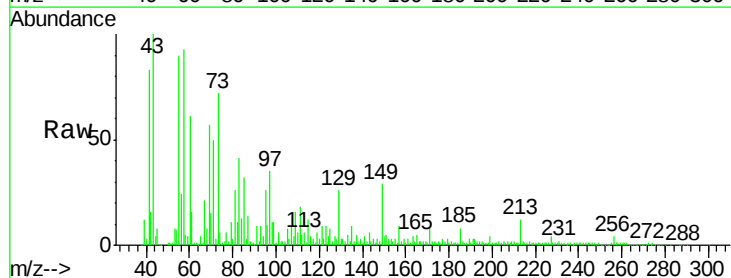
Tgt Ion:149 Resp: 56292

Ion Ratio Lower Upper

149 100

150 13.5 8.1 12.1#

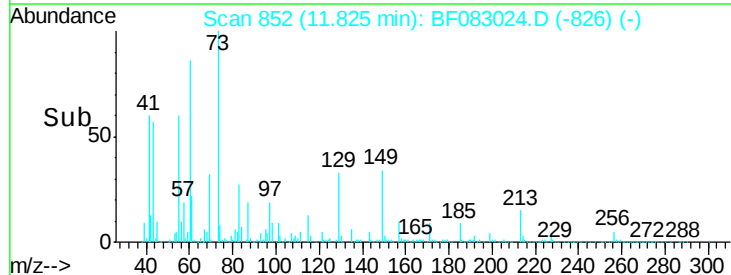
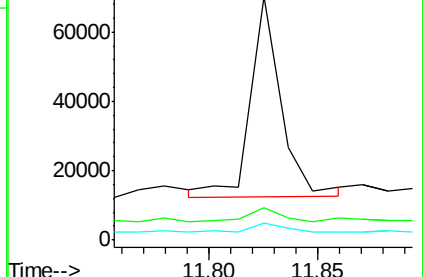
104 7.2 5.2 7.8

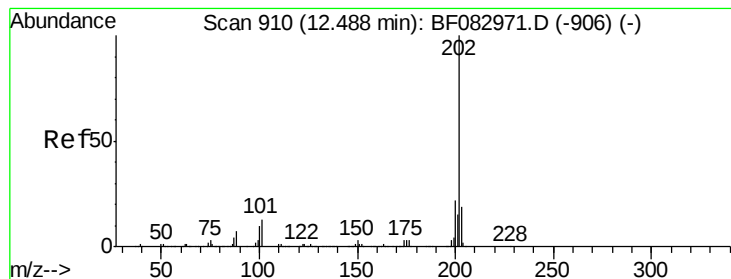


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 6.75 ng

RT: 12.47 min Scan# 908

Delta R.T. 0.00 min

Lab File: BF083024.D

Acq: 18 Nov 2015 22:54

Instrument :

BNA_F

ClientSampleId :

WC-JC

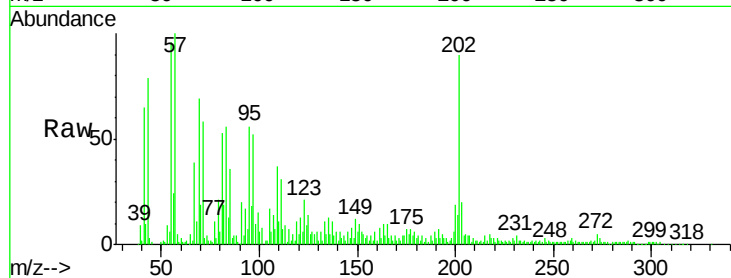
Tot Ion:202 Resp: 119678

Ion Ratio Lower Upper

202 100

101 8.6 0.0 30.5

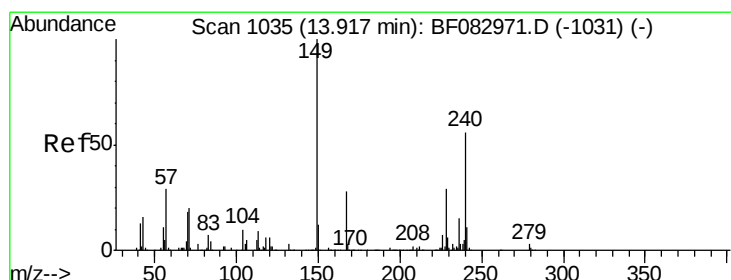
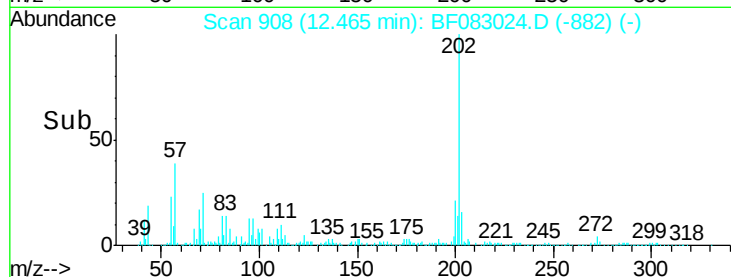
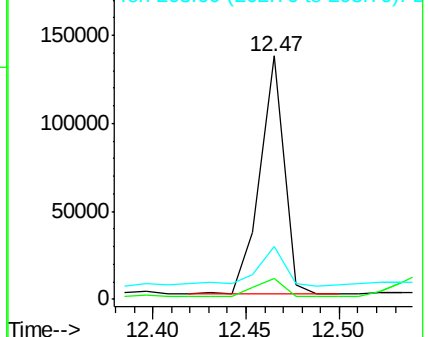
203 21.9 0.0 38.5



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: 13.91 min Scan# 1034

Delta R.T. 0.01 min

Lab File: BF083024.D

Acq: 18 Nov 2015 22:54

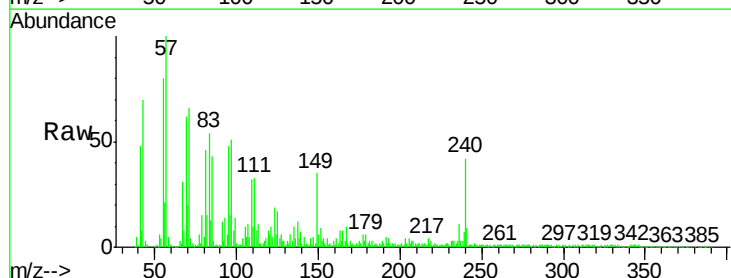
Tgt Ion:240 Resp: 223940

Ion Ratio Lower Upper

240 100

120 14.5 10.9 16.3

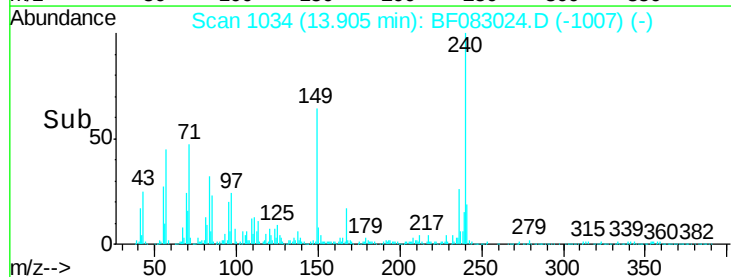
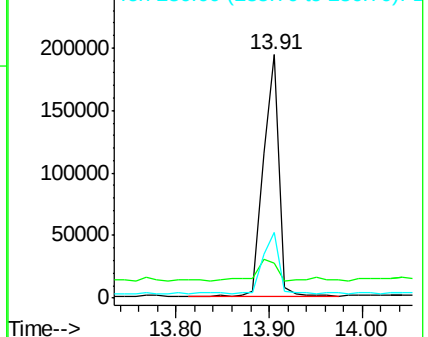
236 27.1 21.6 32.4

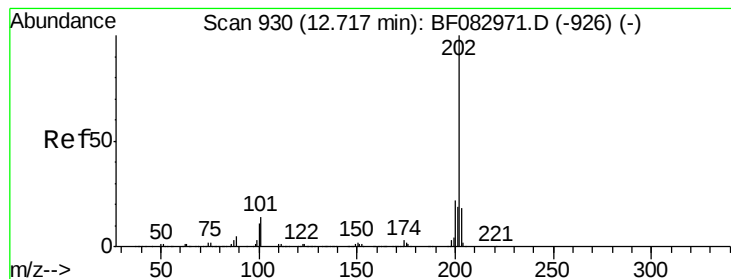


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 7.83 ng

RT: 12.47 min Scan# 908

Delta R.T. -0.23 min

Lab File: BF083024.D

Acq: 18 Nov 2015 22:54

Instrument :

BNA_F

ClientSampleId :

WC-JC

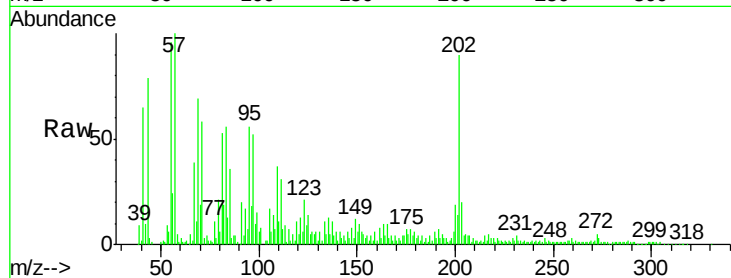
Tot Ion:202 Resp: 120466

Ion Ratio Lower Upper

202 100

200 21.5 18.7 28.1

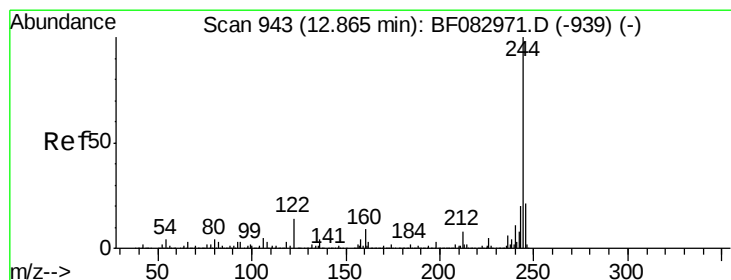
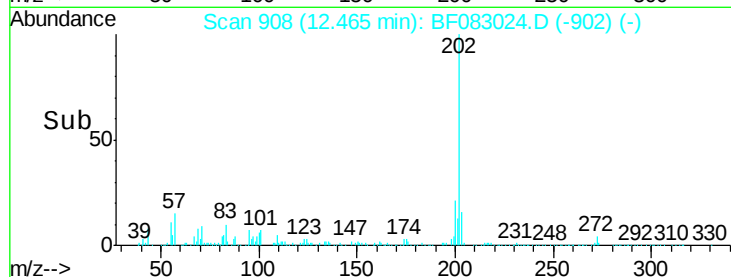
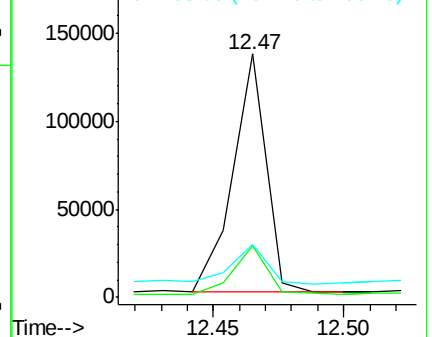
203 21.9 14.8 22.2



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: 0.92 ng

RT: 12.84 min Scan# 941

Delta R.T. 0.00 min

Lab File: BF083024.D

Acq: 18 Nov 2015 22:54

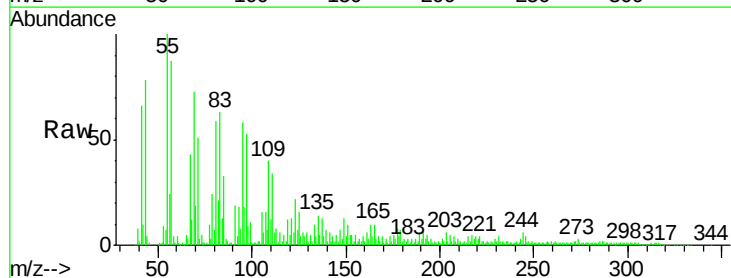
Tgt Ion:244 Resp: 8676

Ion Ratio Lower Upper

244 100

212 19.2 7.6 11.4#

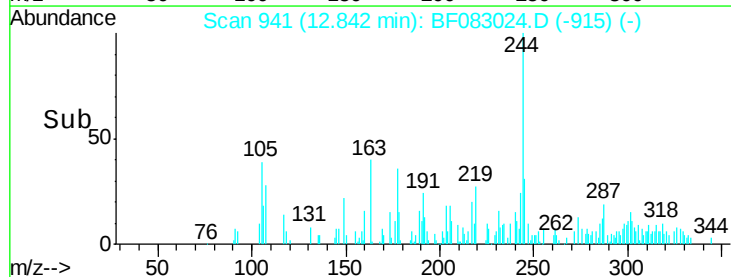
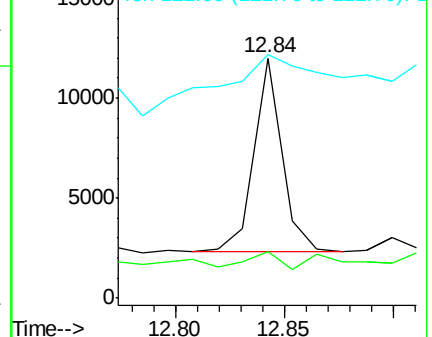
122 101.4 11.3 16.9#

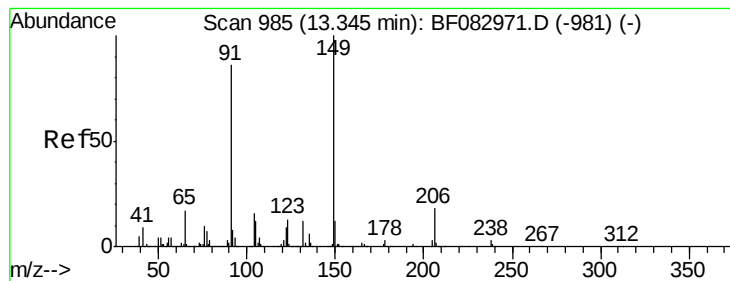


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 4.39 ng

RT: 13.33 min Scan# 984

Delta R.T. 0.01 min

Lab File: BF083024.D

Acq: 18 Nov 2015 22:54

Instrument :

BNA_F

ClientSampleId :

WC-JC

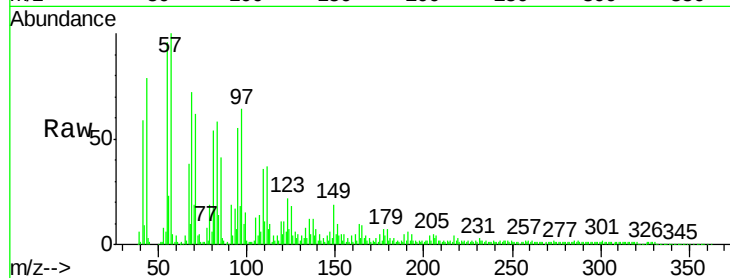
Tot Ion:149 Resp: 29845

Ion Ratio Lower Upper

149 100

91 100.6 67.7 101.5

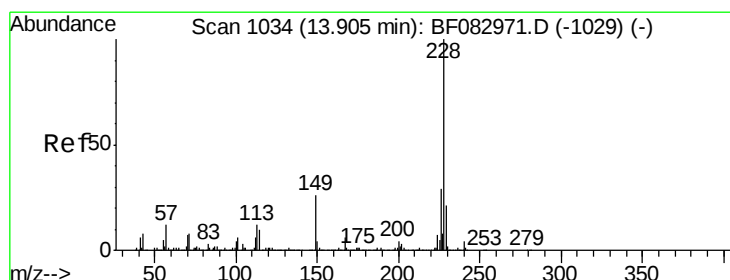
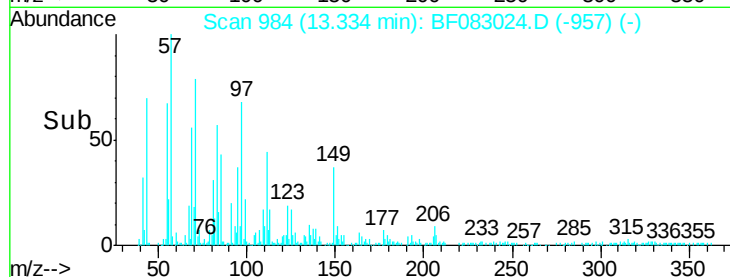
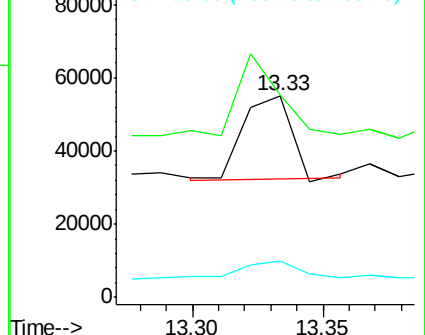
206 18.0 14.6 22.0



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



#80

Benzo(a)anthracene

Concen: 3.53 ng

RT: 13.89 min Scan# 1033

Delta R.T. 0.02 min

Lab File: BF083024.D

Acq: 18 Nov 2015 22:54

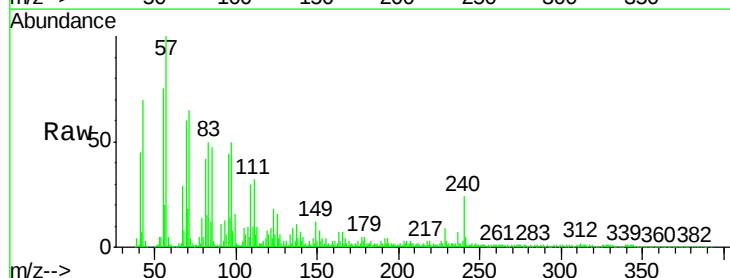
Tgt Ion:228 Resp: 49491

Ion Ratio Lower Upper

228 100

226 34.2 23.4 35.2

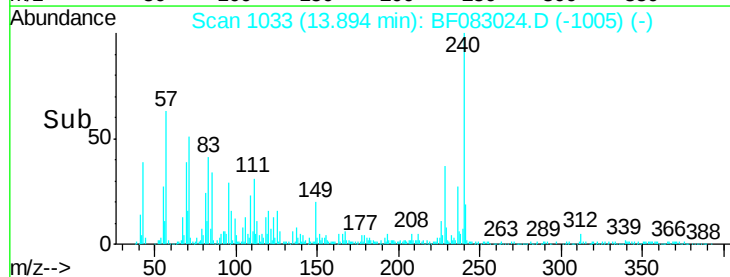
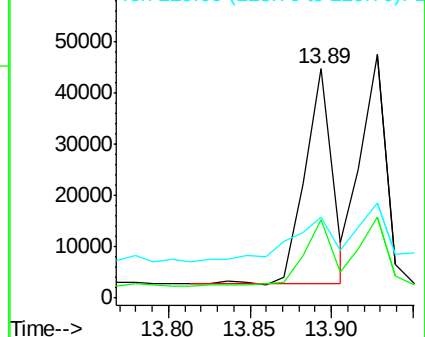
229 35.6 16.3 24.5#

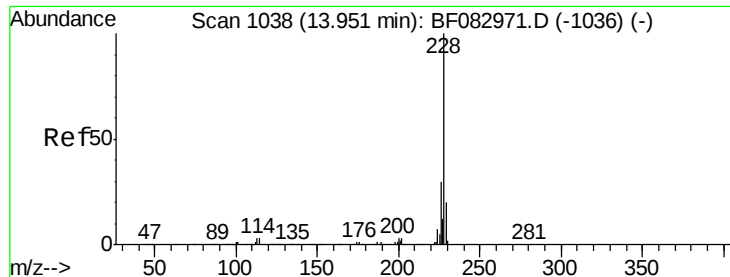


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 3.86 ng

RT: 13.89 min Scan# 1033

Delta R.T. -0.02 min

Lab File: BF083024.D

Acq: 18 Nov 2015 22:54

Instrument :

BNA_F

ClientSampleId :

WC-JC

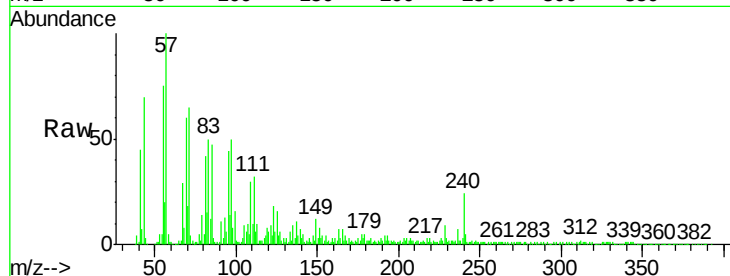
Tot Ion:228 Resp: 49491

Ion Ratio Lower Upper

228 100

226 34.2 25.5 38.3

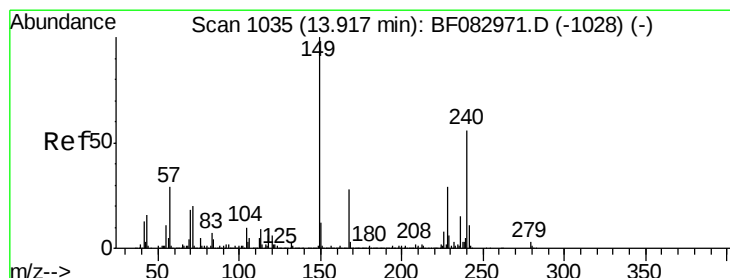
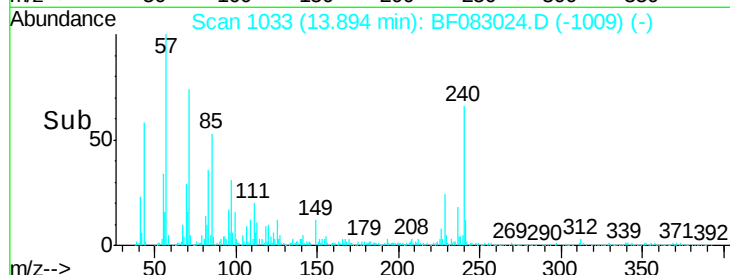
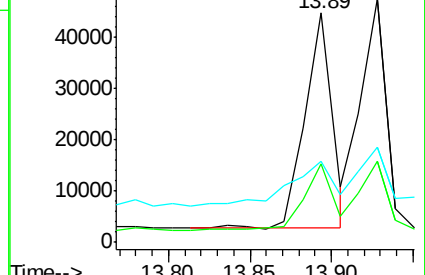
229 35.6 16.3 24.5#



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: 12.65 ng

RT: 13.91 min Scan# 1034

Delta R.T. 0.02 min

Lab File: BF083024.D

Acq: 18 Nov 2015 22:54

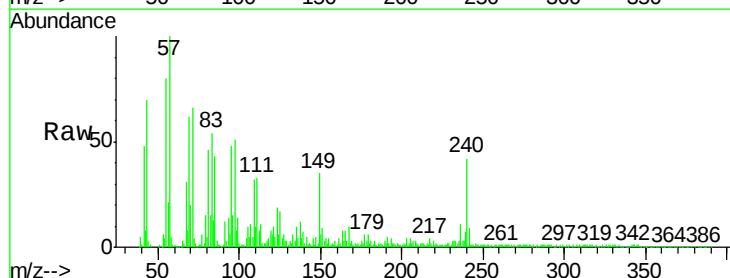
Tgt Ion:149 Resp: 117643

Ion Ratio Lower Upper

149 100

167 28.3 21.2 31.8

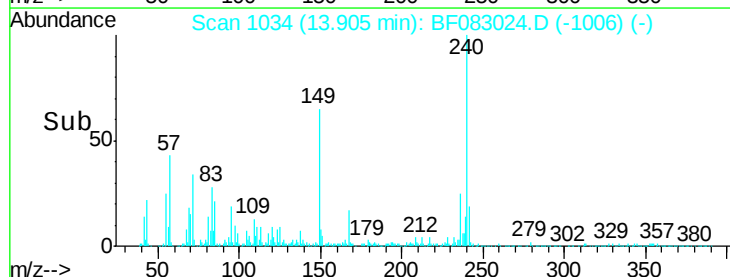
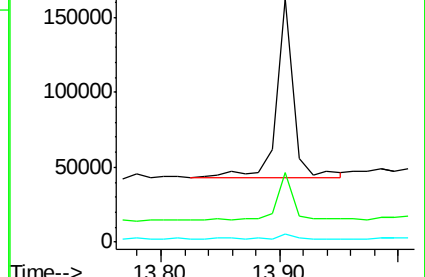
279 3.5 2.2 3.2#

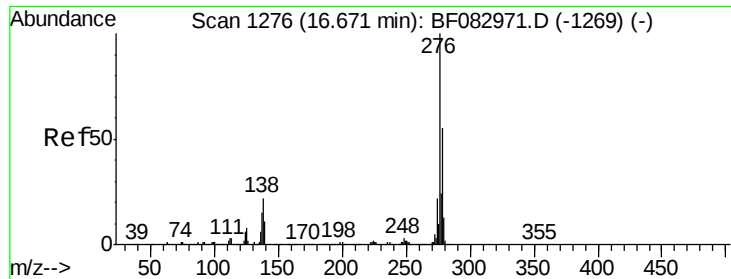


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

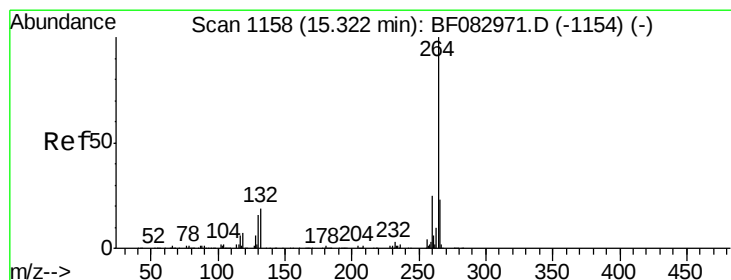
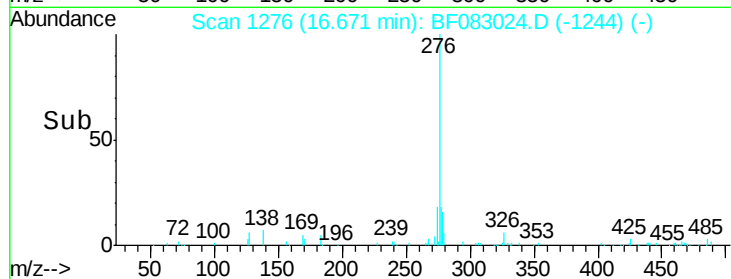
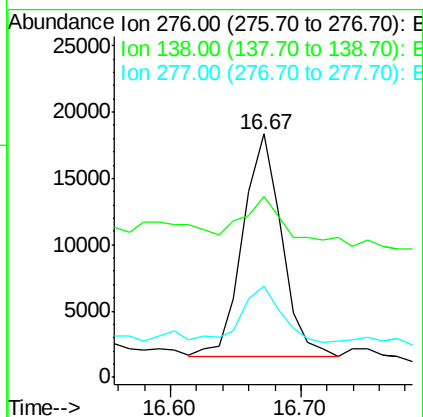
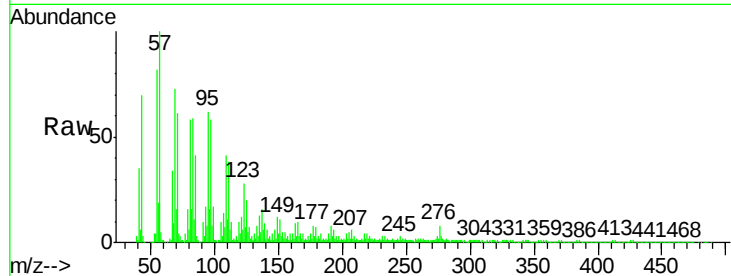




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.14 ng
 RT: 16.67 min Scan# 1276
 Delta R.T. 0.07 min
 Lab File: BF083024.D
 Acq: 18 Nov 2015 22:54

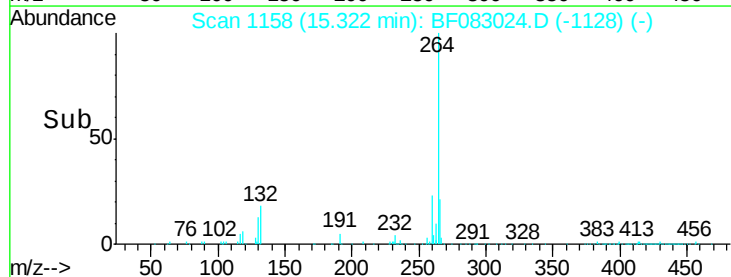
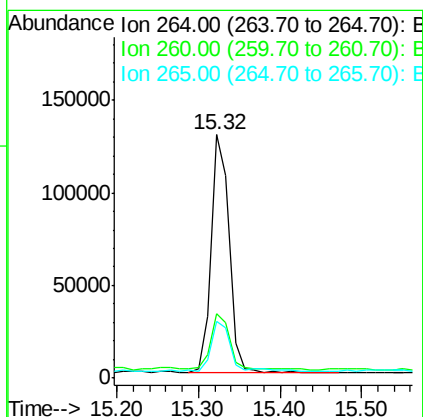
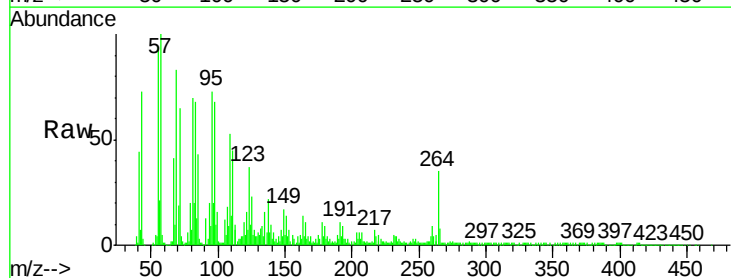
Instrument :
 BNA_F
 ClientSampleId :
 WC-JC

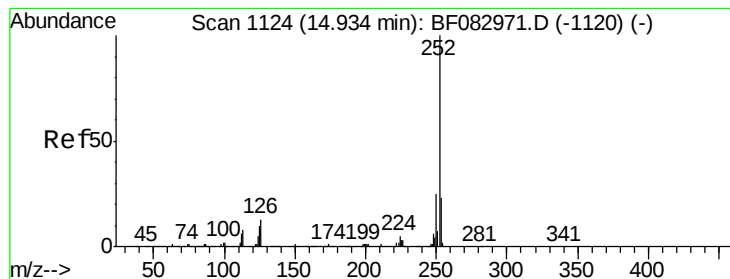
Tot Ion	Ratio	Lower	Upper
276	100		
138	32.9	15.3	22.9
277	24.5	20.2	30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.32 min Scan# 1158
 Delta R.T. 0.05 min
 Lab File: BF083024.D
 Acq: 18 Nov 2015 22:54

Tgt Ion	Ratio	Lower	Upper
264	100		
260	26.4	19.8	29.6
265	23.5	17.4	26.0





#87

Benzo(b)fluoranthene

Concen: 5.97 ng

RT: 14.92 min Scan# 1123

Delta R.T. 0.02 min

Lab File: BF083024.D

Acq: 18 Nov 2015 22:54

Instrument :

BNA_F

ClientSampleId :

WC-JC

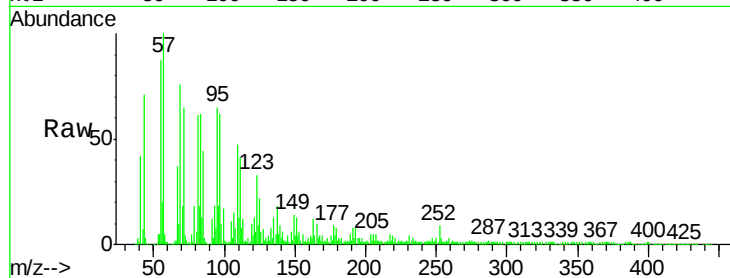
Tot Ion:252 Resp: 77173

Ion Ratio Lower Upper

252 100

253 40.2 17.8 26.8#

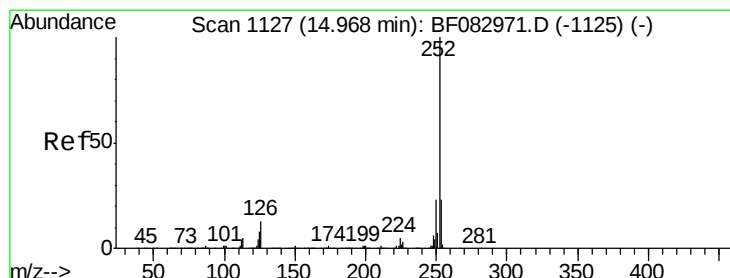
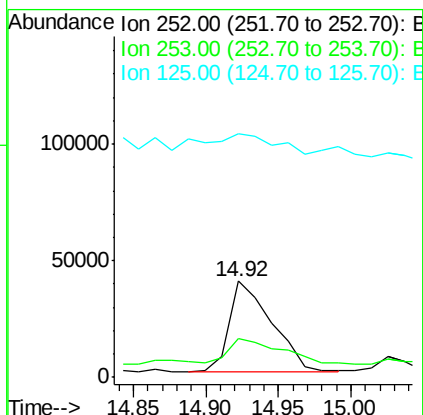
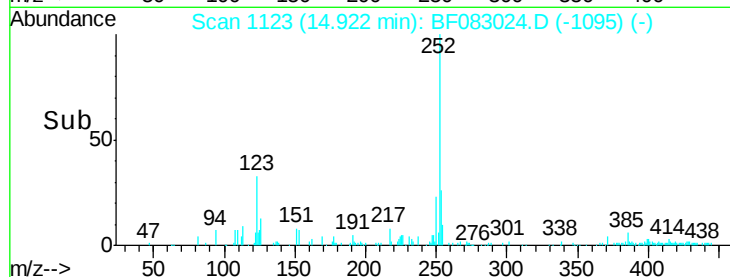
125 253.6 5.4 8.2#



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



#88

Benzo(k)fluoranthene

Concen: 6.73 ng

RT: 14.92 min Scan# 1123

Delta R.T. 0.00 min

Lab File: BF083024.D

Acq: 18 Nov 2015 22:54

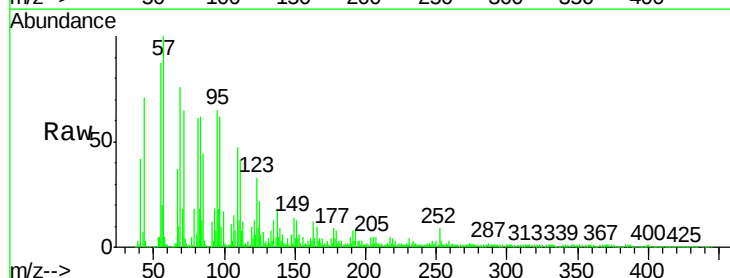
Tgt Ion:252 Resp: 77173

Ion Ratio Lower Upper

252 100

253 40.2 17.9 26.9#

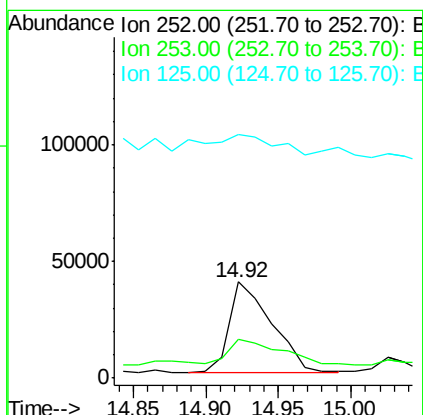
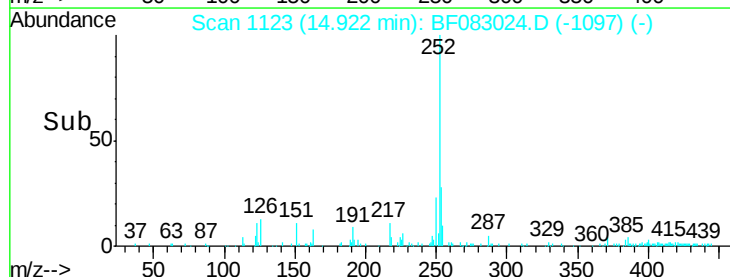
125 253.6 3.5 5.3#

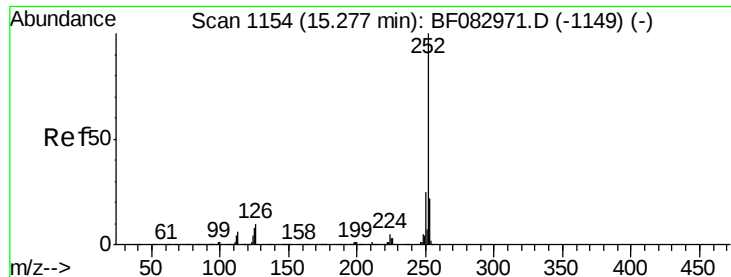


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 3.29 ng

RT: 15.27 min Scan# 1153

Delta R.T. 0.03 min

Lab File: BF083024.D

Acq: 18 Nov 2015 22:54

Instrument :

BNA_F

ClientSampleId :

WC-JC

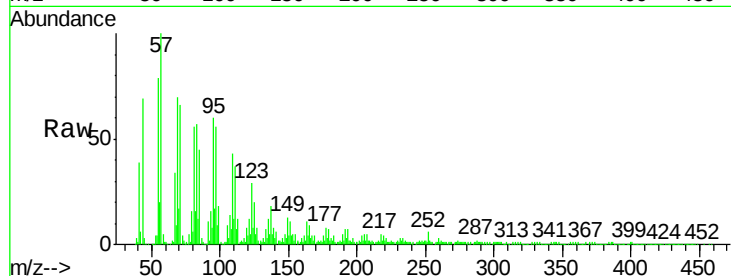
Tot Ion:252 Resp: 36916

Ion Ratio Lower Upper

252 100

253 36.5 17.3 25.9#

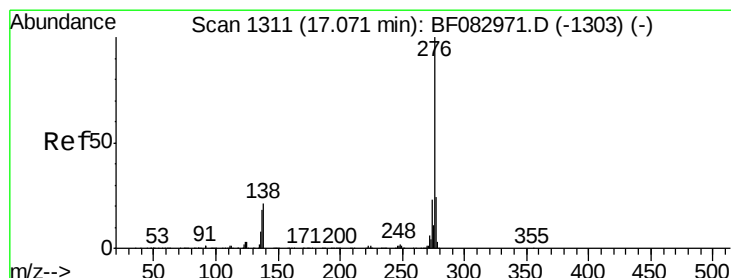
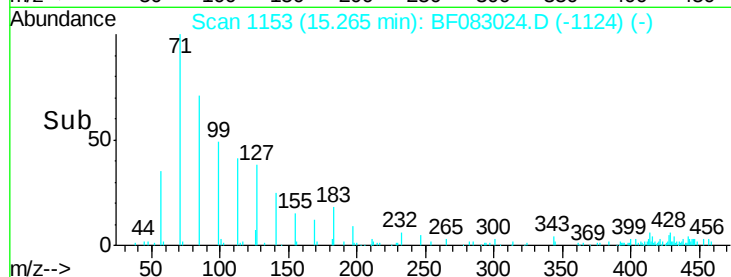
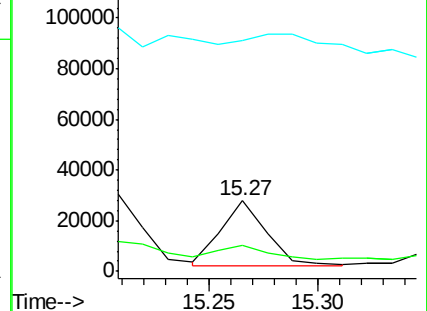
125 328.7 7.1 10.7#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Benzo(g,h,i)perylene

Concen: 6.61 ng

RT: 17.07 min Scan# 1311

Delta R.T. 0.07 min

Lab File: BF083024.D

Acq: 18 Nov 2015 22:54

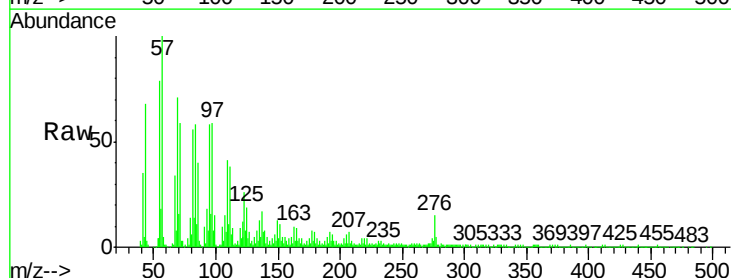
Tgt Ion:276 Resp: 60101

Ion Ratio Lower Upper

276 100

277 31.8 19.2 28.8#

138 42.3 13.1 19.7#



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

