

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112015\
 Data File : BF083074.D
 Acq On : 20 Nov 2015 11:22
 Operator : UM/IZ
 Sample : G4430-01
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-JC

Quant Time: Nov 20 14:42:53 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 20 01:33:39 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	139540	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	456408	20.00	ng	-0.01
38) Acenaphthene-d10	9.74	164	206078	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	339872	20.00	ng	0.01
75) Chrysene-d12	13.91	240	230102	20.00	ng	0.05
86) Perylene-d12	15.35	264	176968	20.00	ng	0.10

System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	846416	94.21	ng	0.00
7) Phenol-d6	6.35	99	1069505	90.39	ng	0.00
23) Nitrobenzene-d5	7.26	82	664441	66.65	ng	-0.01
41) 2,4,6-Tribromophenol	10.53	330	191235	87.40	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1031928	67.44	ng	-0.01
78) Terphenyl-d14	12.83	244	804384	82.53	ng	0.02

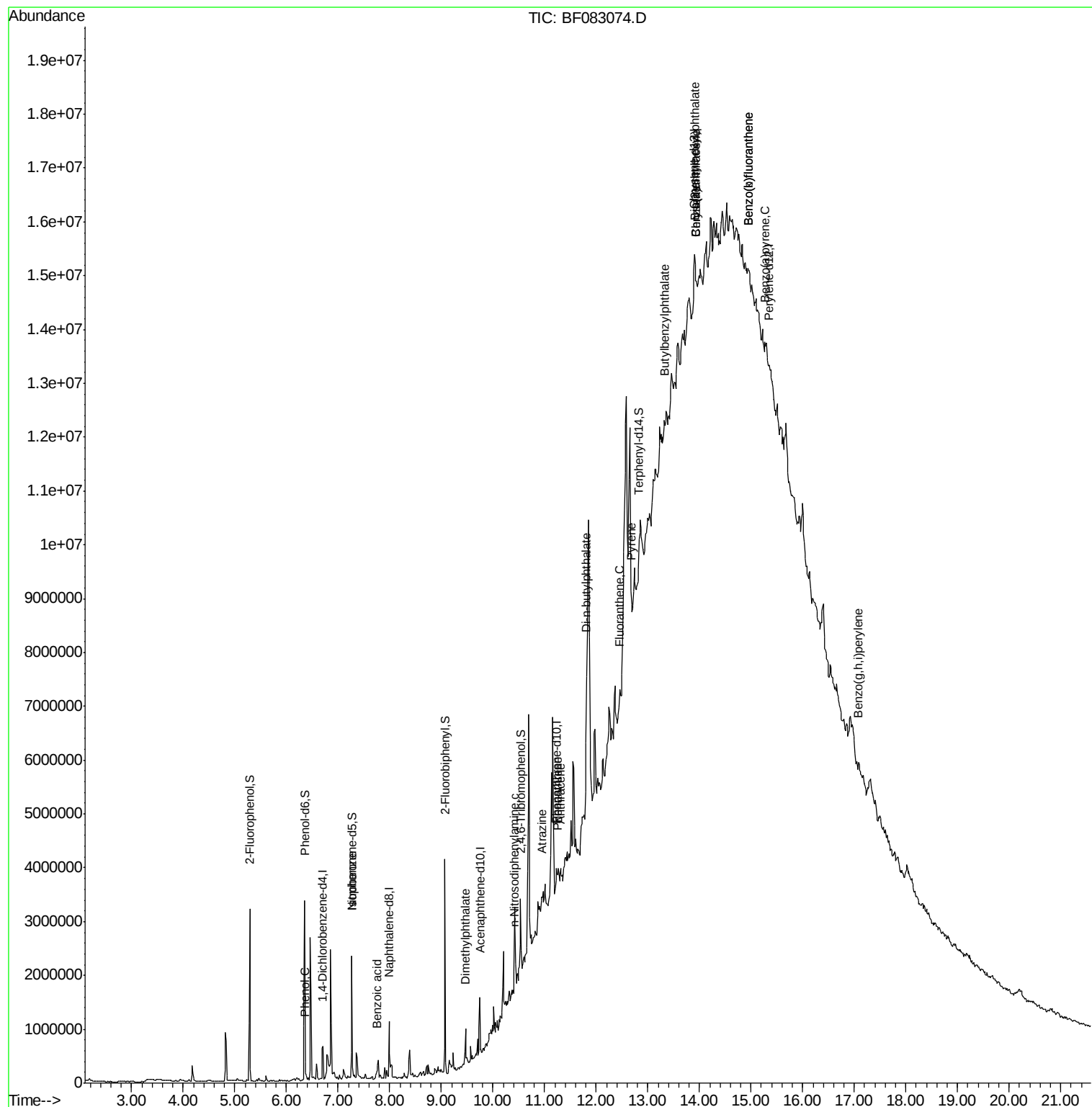
Target Compounds				Qvalue		
10) Phenol	6.36	94	31266	2.27	ng	97
25) Isophorone	7.26	82	587349	31.24	ng	# 69
32) Benzoic acid	7.74	122	18521	4.19	ng	92
49) Dimethylphthalate	9.47	163	257431	15.18	ng	98
65) n-Nitrosodiphenylamine	10.41	169	60081	5.04	ng	# 61
68) Atrazine	10.96	200	13596	3.64	ng	# 1
70) Phenanthrene	11.25	178	160213	7.81	ng	# 83
71) Anthracene	11.31	178	49194	2.38	ng	# 48
73) Di-n-butylphthalate	11.81	149	172184	7.56	ng	# 85
74) Fluoranthene	12.45	202	208518	9.76	ng	76
77) Pyrene	12.68	202	259117	16.00	ng	# 86
79) Butylbenzylphthalate	13.32	149	83653	11.69	ng	# 69
80) Benzo(a)anthracene	13.93	228	167317	11.44	ng	# 55
82) Chrysene	13.93	228	167317	12.48	ng	# 61
83) Bis(2-ethylhexyl)phthalate	13.92	149	249815	26.69	ng	# 96
87) Benzo(b)fluoranthene	14.95	252	121581	9.83	ng	# 1
88) Benzo(k)fluoranthene	14.95	252	117457	12.46	ng	# 1
89) Benzo(a)pyrene	15.28	252	51750	5.21	ng	# 1
91) Benzo(g,h,i)perylene	17.08	276	132952	15.77	ng	# 59

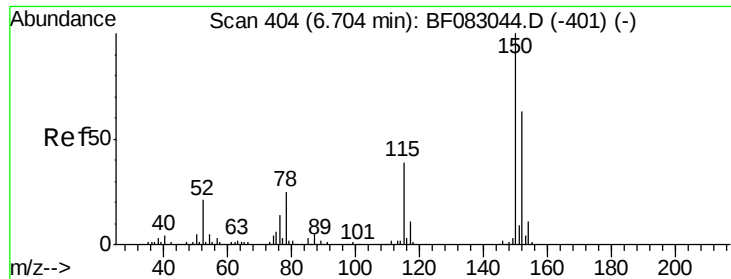
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.70 min Scan# 404

Delta R.T. 0.00 min

Lab File: BF083074.D

Acq: 20 Nov 2015 11:22

Instrument :

BNA_F

ClientSampleId :

WC-JC

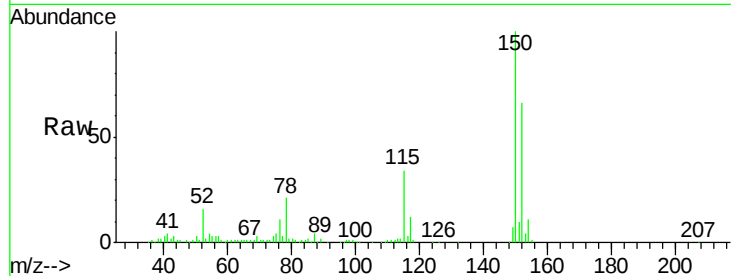
Tgt Ion:152 Resp: 139540

Ion Ratio Lower Upper

152 100

150 151.3 126.4 189.6

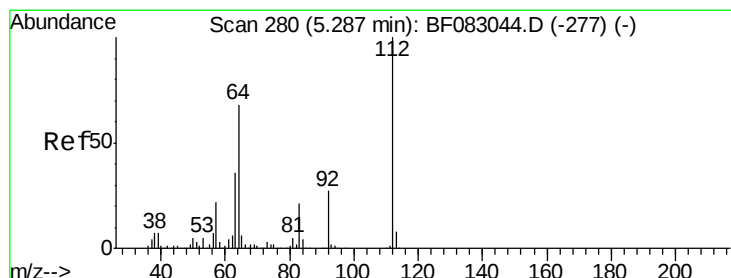
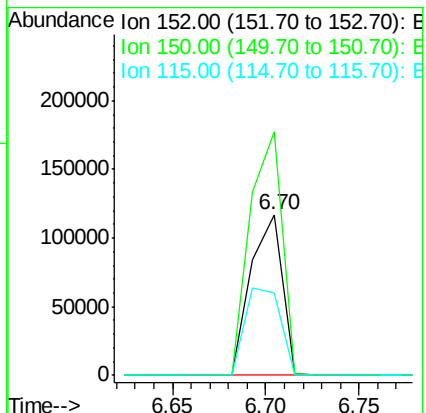
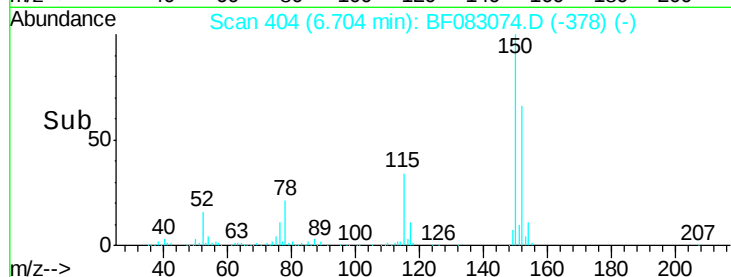
115 51.5 49.0 73.6



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: 94.21 ng

RT: 5.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: BF083074.D

Acq: 20 Nov 2015 11:22

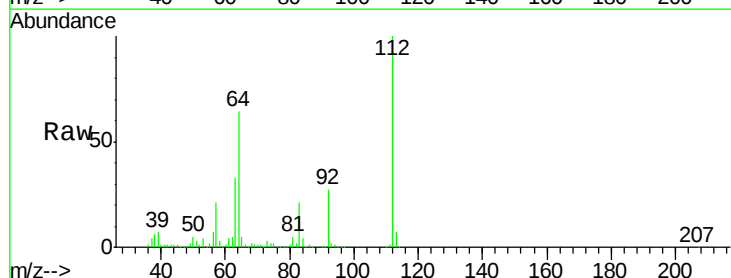
Tgt Ion:112 Resp: 846416

Ion Ratio Lower Upper

112 100

64 63.8 54.8 82.2

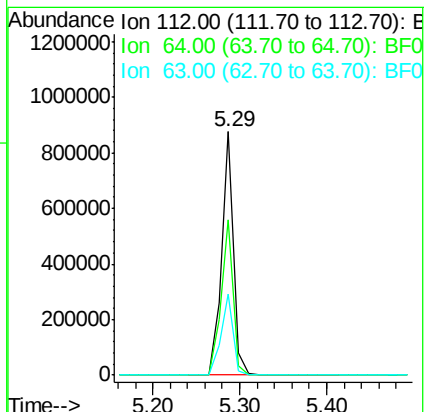
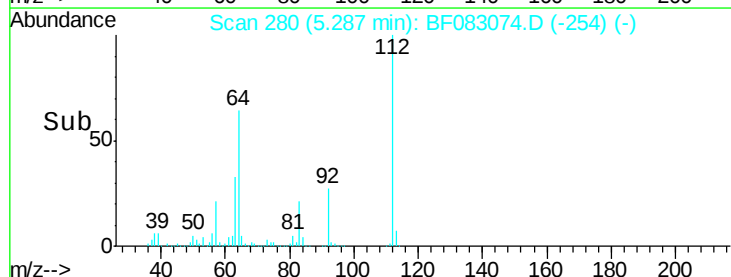
63 33.3 29.0 43.4

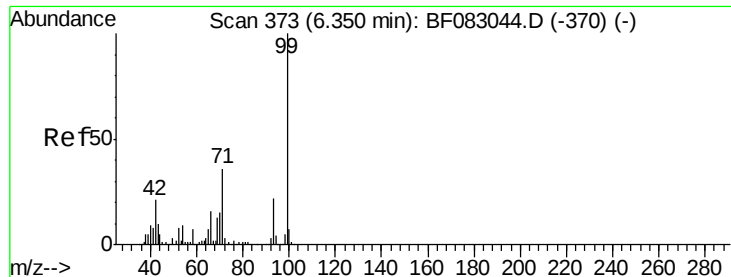


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 90.39 ng

RT: 6.35 min Scan# 373

Delta R.T. 0.00 min

Lab File: BF083074.D

Acq: 20 Nov 2015 11:22

Instrument :

BNA_F

ClientSampleId :

WC-JC

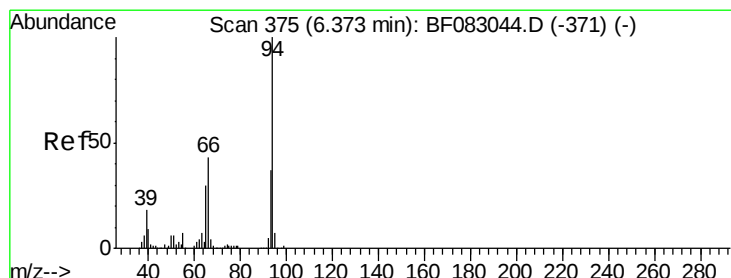
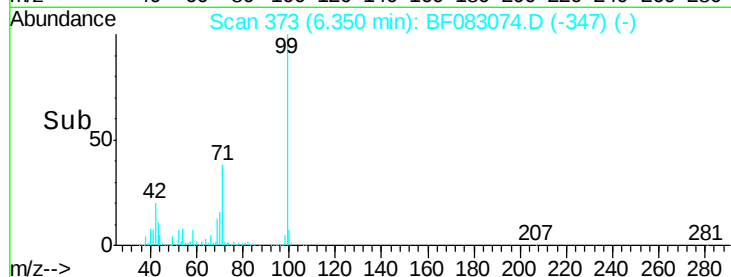
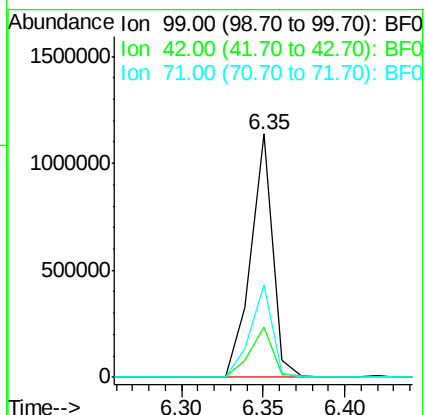
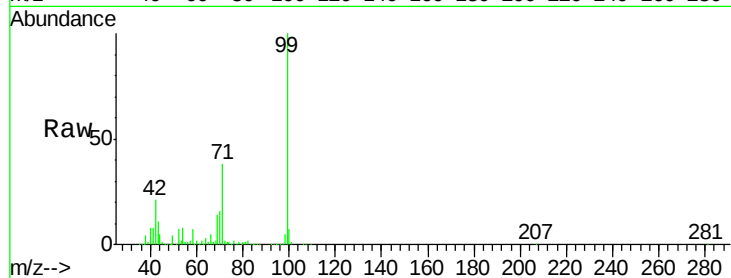
Tgt Ion: 99 Resp: 1069505

Ion Ratio Lower Upper

99 100

42 20.5 16.6 25.0

71 38.3 29.2 43.8



#10

Phenol

Concen: 2.27 ng

RT: 6.36 min Scan# 374

Delta R.T. -0.01 min

Lab File: BF083074.D

Acq: 20 Nov 2015 11:22

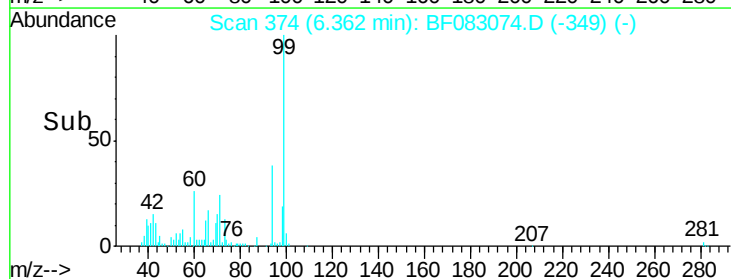
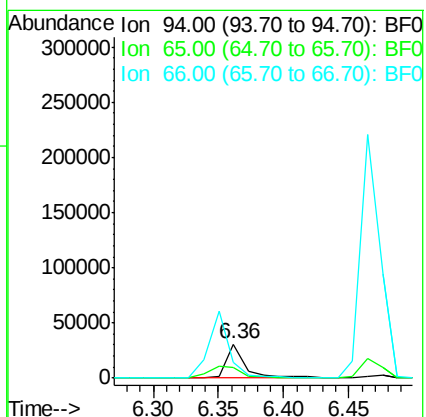
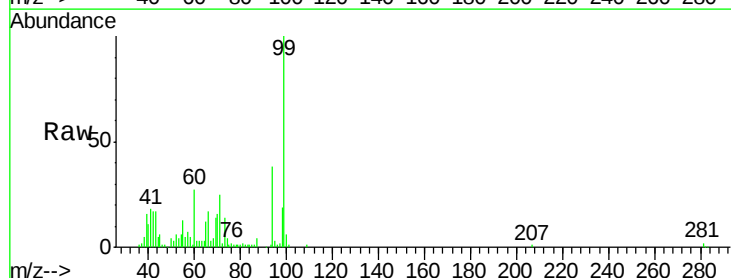
Tgt Ion: 94 Resp: 31266

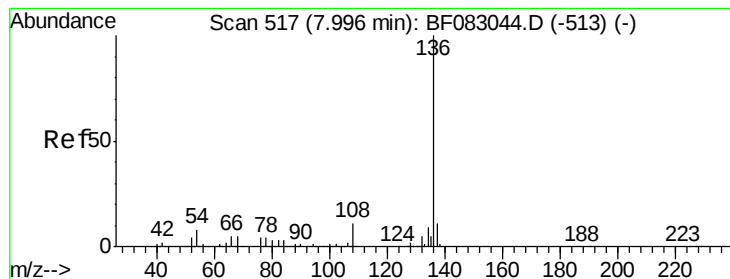
Ion Ratio Lower Upper

94 100

65 31.4 10.1 50.1

66 45.6 23.2 63.2





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.98 min Scan# 516

Delta R.T. -0.01 min

Lab File: BF083074.D

Acq: 20 Nov 2015 11:22

Instrument :

BNA_F

ClientSampleId :

WC-JC

Tgt Ion:136 Resp: 456408

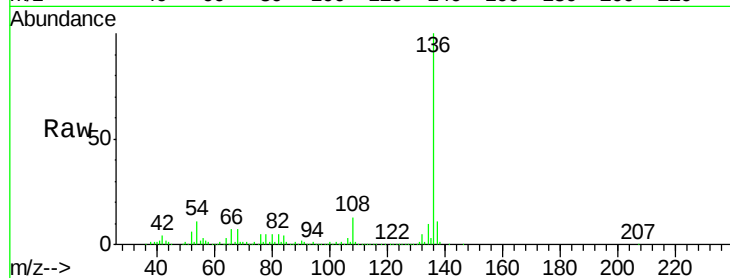
Ion Ratio Lower Upper

136 100

137 11.4 8.6 12.8

54 11.4 6.2 9.2#

68 7.3 4.2 6.2#

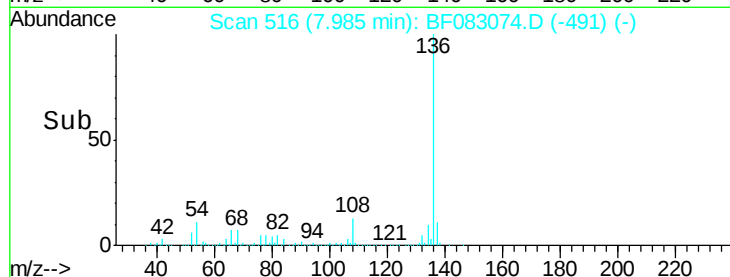


Abundance Ion 136.00 (135.70 to 136.70): E

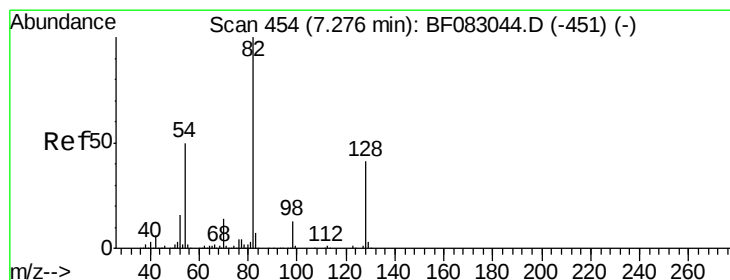
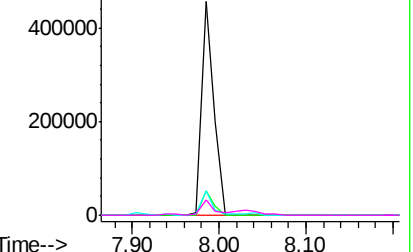
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 66.65 ng

RT: 7.26 min Scan# 453

Delta R.T. -0.01 min

Lab File: BF083074.D

Acq: 20 Nov 2015 11:22

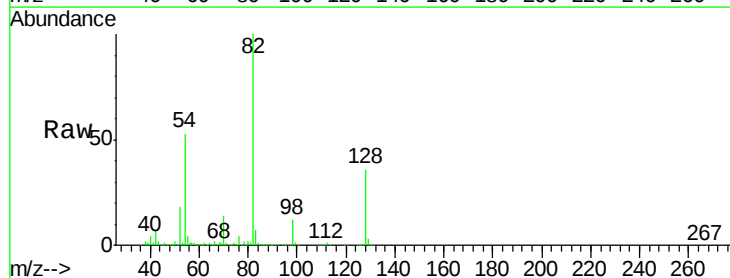
Tgt Ion: 82 Resp: 664441

Ion Ratio Lower Upper

82 100

128 36.2 33.1 49.7

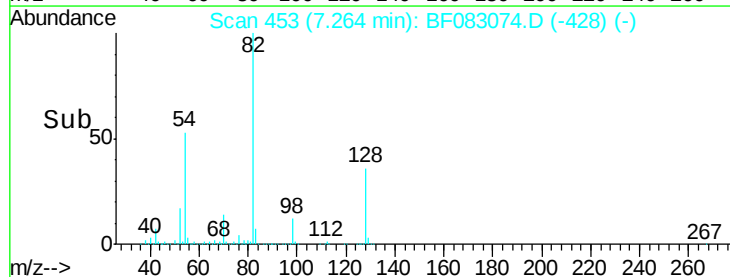
54 53.0 39.8 59.6



Abundance Ion 82.00 (81.70 to 82.70): BF0

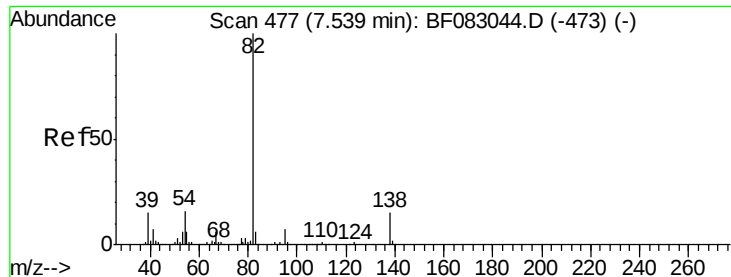
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->





#25

Isophorone

Concen: 31.24 ng

RT: 7.26 min Scan# 453

Delta R.T. -0.27 min

Lab File: BF083074.D

Acq: 20 Nov 2015 11:22

Instrument :

BNA_F

ClientSampleId :

WC-JC

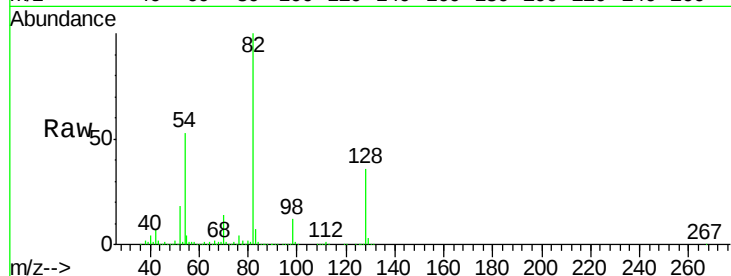
Tgt Ion: 82 Resp: 587349

Ion Ratio Lower Upper

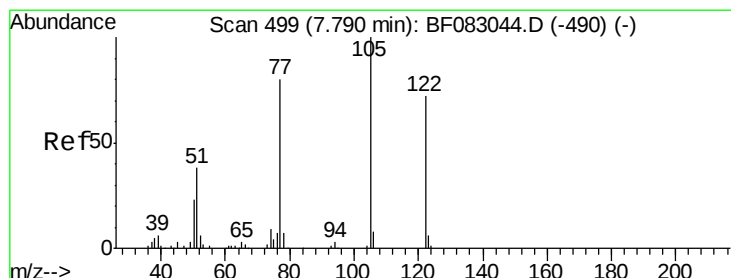
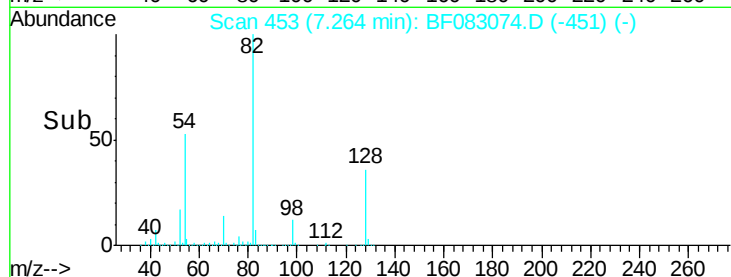
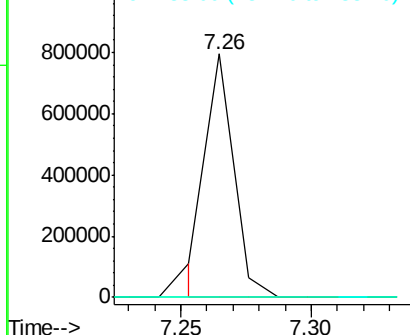
82 100

95 0.2 5.7 8.5#

138 0.0 12.2 18.4#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0



#32

Benzoic acid

Concen: 4.19 ng

RT: 7.74 min Scan# 495

Delta R.T. -0.05 min

Lab File: BF083074.D

Acq: 20 Nov 2015 11:22

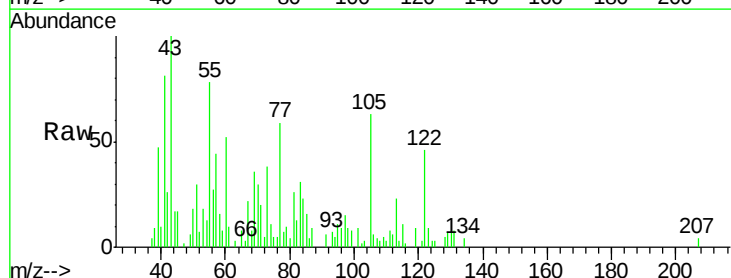
Tgt Ion: 122 Resp: 18521

Ion Ratio Lower Upper

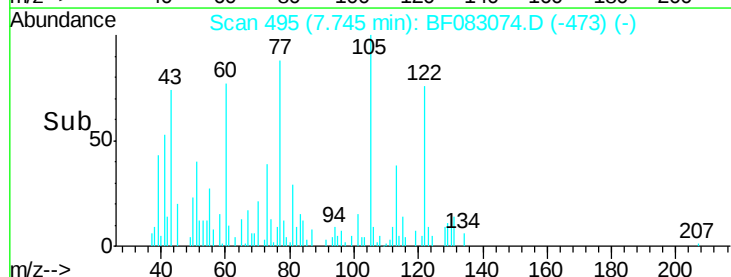
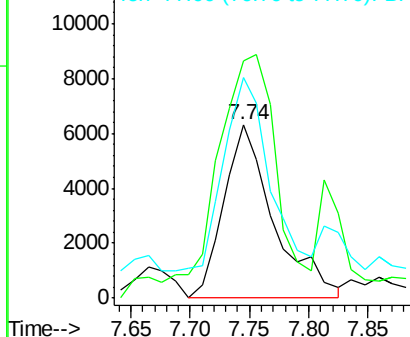
122 100

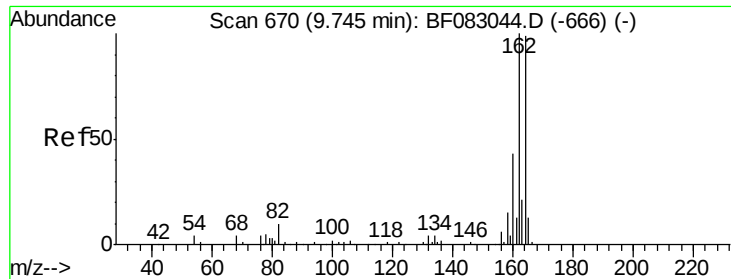
105 136.8 115.0 155.0

77 127.0 89.0 129.0



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.74 min Scan# 670

Delta R.T. 0.00 min

Lab File: BF083074.D

Acq: 20 Nov 2015 11:22

Instrument :

BNA_F

ClientSampled :

WC-JC

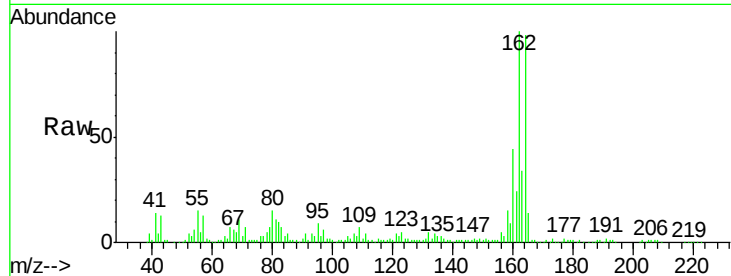
Tgt Ion:164 Resp: 206078

Ion Ratio Lower Upper

164 100

162 101.7 80.5 120.7

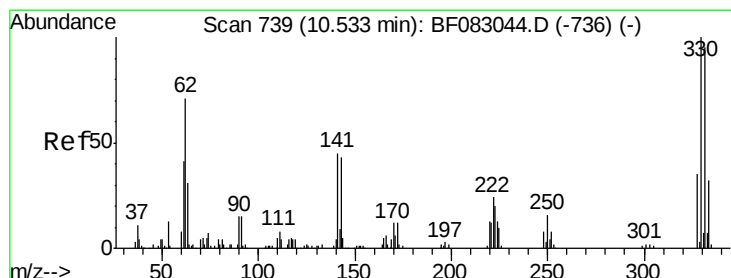
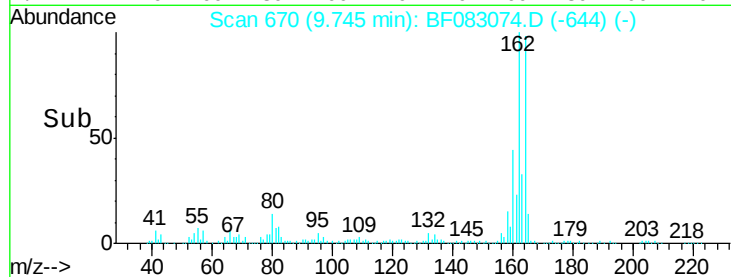
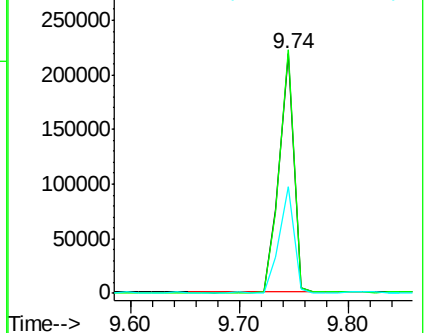
160 44.6 35.0 52.4



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 87.40 ng

RT: 10.53 min Scan# 739

Delta R.T. 0.00 min

Lab File: BF083074.D

Acq: 20 Nov 2015 11:22

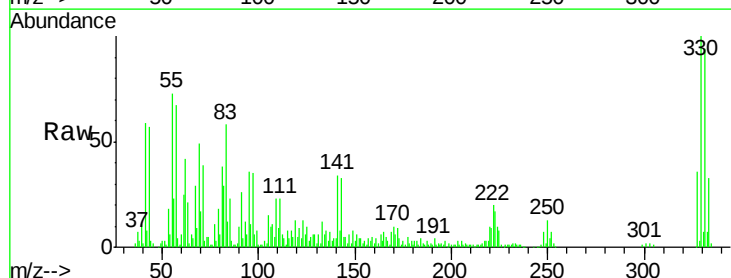
Tgt Ion:330 Resp: 191235

Ion Ratio Lower Upper

330 100

332 96.1 77.6 116.4

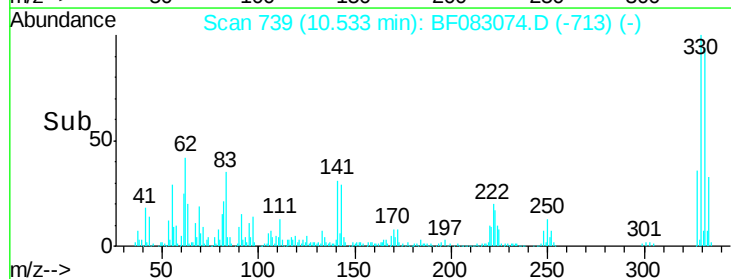
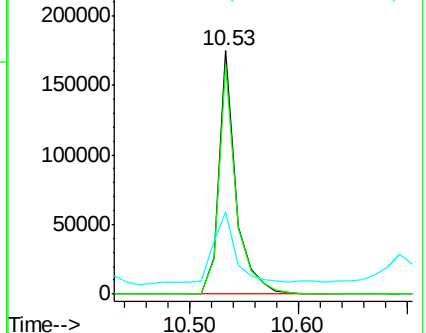
141 37.8 34.6 52.0

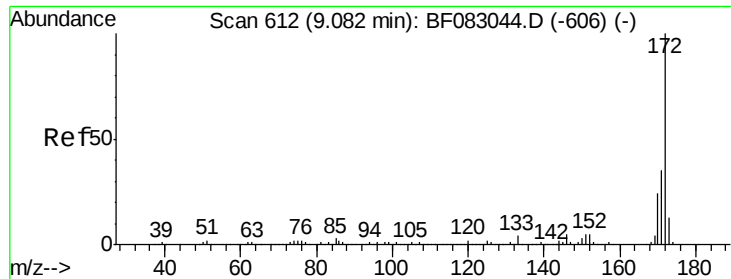


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

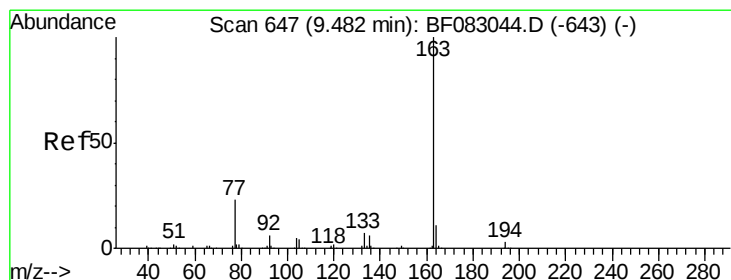
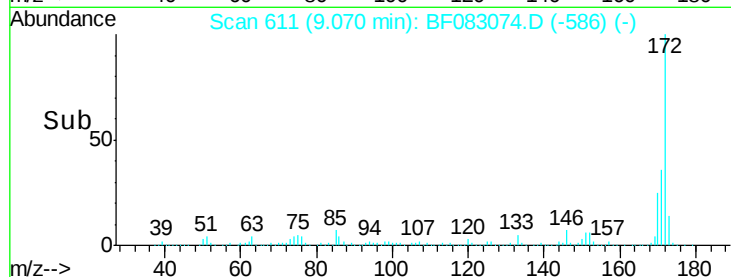
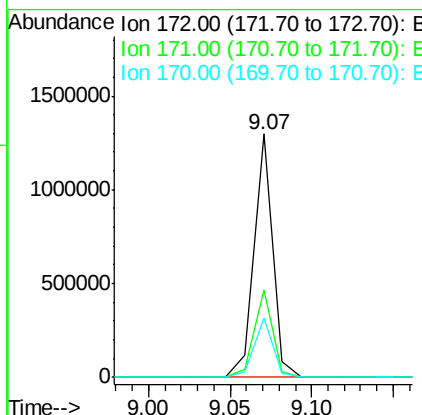
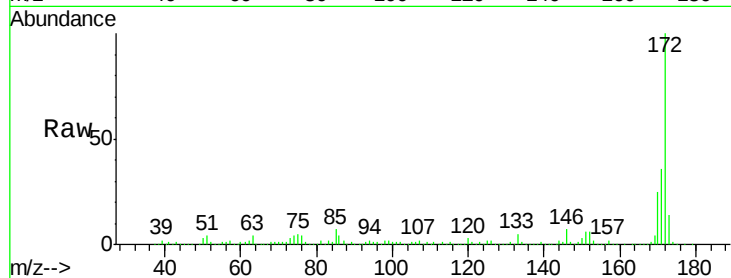




#44
2-Fluorobiphenyl
Concen: 67.44 ng
RT: 9.07 min Scan# 611
Delta R.T. -0.01 min
Lab File: BF083074.D
Acq: 20 Nov 2015 11:22

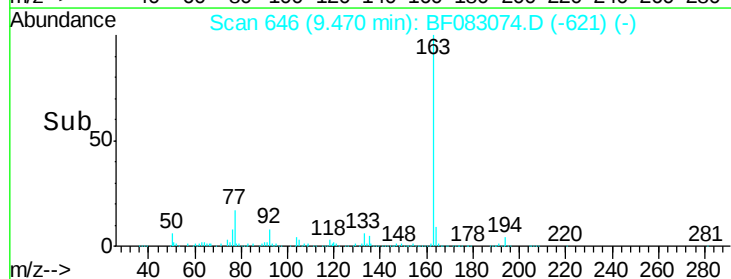
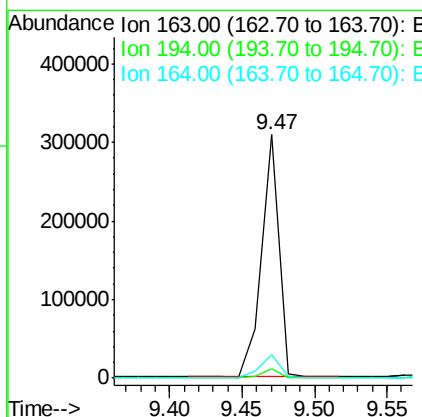
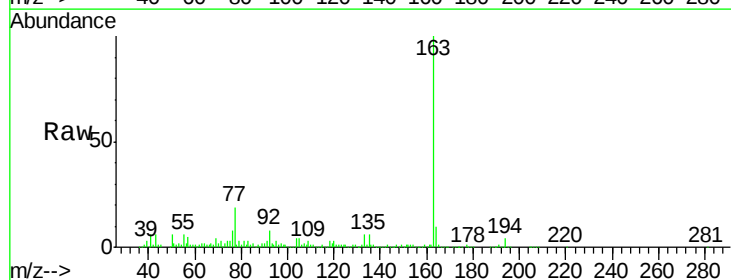
Instrument :
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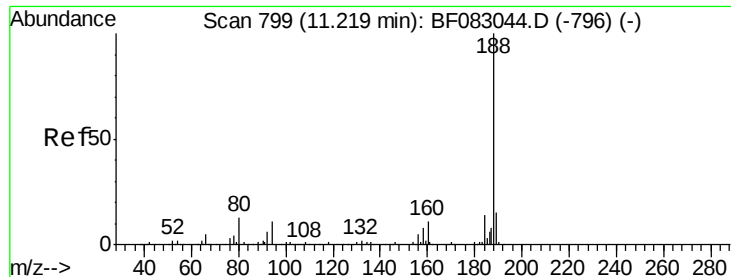
Tgt Ion:172 Resp: 1031928
Ion Ratio Lower Upper
172 100
171 35.9 28.2 42.4
170 24.5 19.4 29.0



#49
Dimethylphthalate
Concen: 15.18 ng
RT: 9.47 min Scan# 646
Delta R.T. -0.01 min
Lab File: BF083074.D
Acq: 20 Nov 2015 11:22

Tgt Ion:163 Resp: 257431
Ion Ratio Lower Upper
163 100
194 3.7 2.7 4.1
164 9.6 8.5 12.7

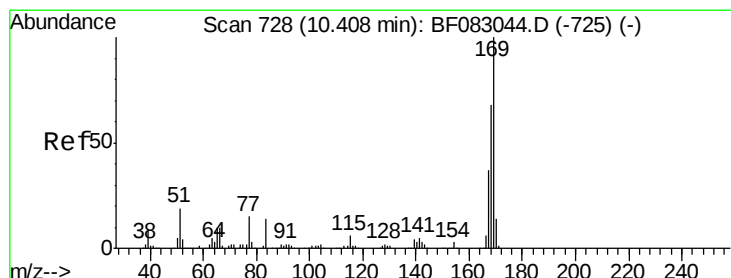
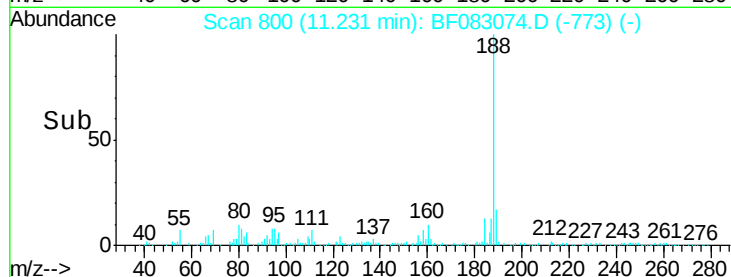
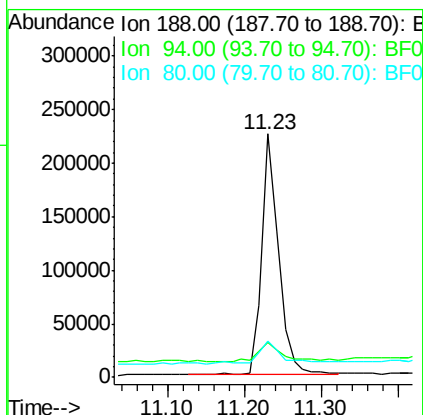
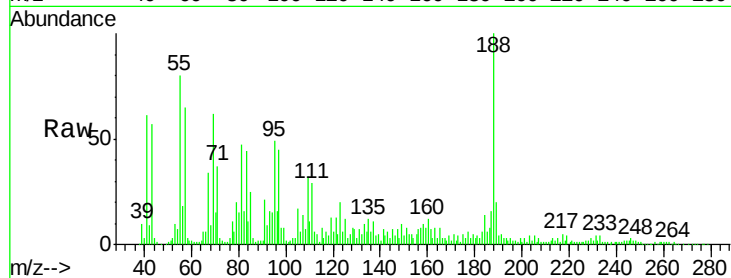




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.23 min Scan# 800
Delta R.T. 0.01 min
Lab File: BF083074.D
Acq: 20 Nov 2015 11:22

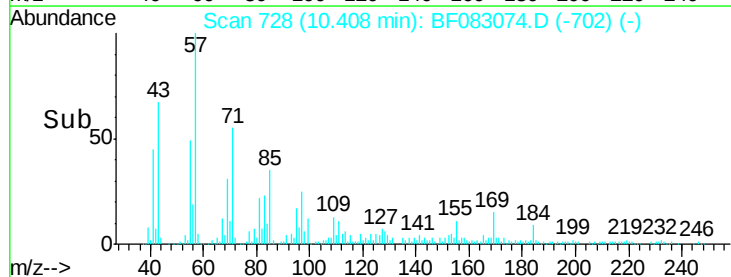
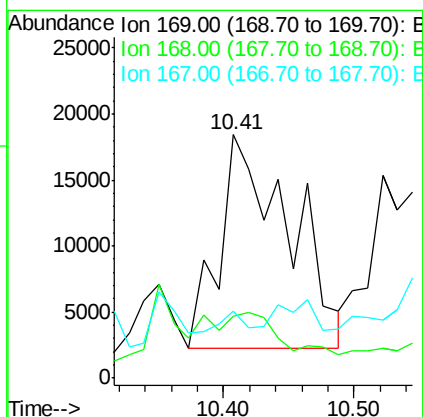
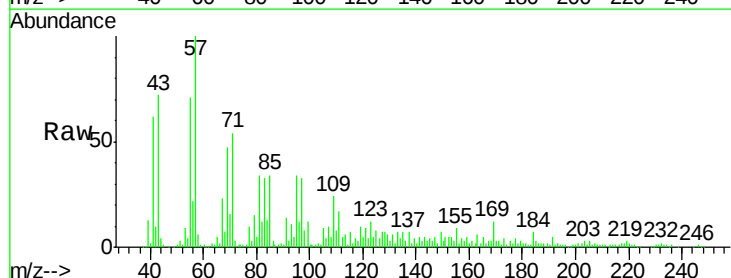
Instrument :
BNA_F
ClientSampleId :
WC-JC

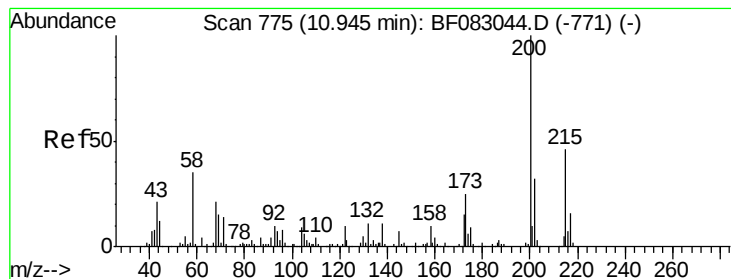
Tgt Ion:188 Resp: 339872
Ion Ratio Lower Upper
188 100
94 14.6 9.0 13.4#
80 15.1 10.2 15.4



#65
n-Nitrosodiphenylamine
Concen: 5.04 ng
RT: 10.41 min Scan# 728
Delta R.T. 0.00 min
Lab File: BF083074.D
Acq: 20 Nov 2015 11:22

Tgt Ion:169 Resp: 60081
Ion Ratio Lower Upper
169 100
168 25.5 54.2 81.2#
167 27.5 29.5 44.3#





#68

Atrazine

Concen: 3.64 ng

RT: 10.96 min Scan# 776

Delta R.T. 0.01 min

Lab File: BF083074.D

Acq: 20 Nov 2015 11:22

Instrument :

BNA_F

ClientSampled :

WC-JC

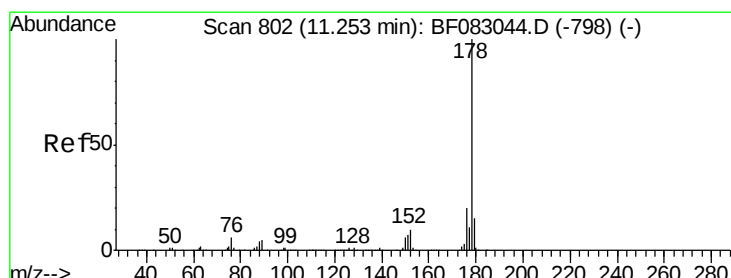
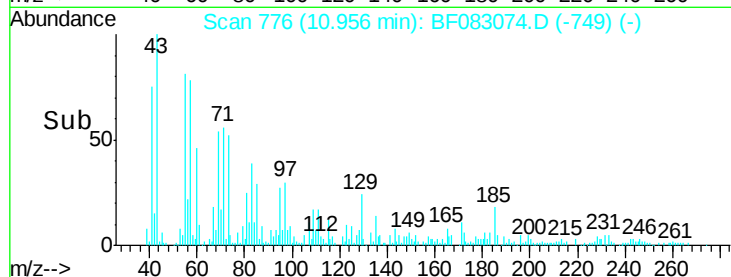
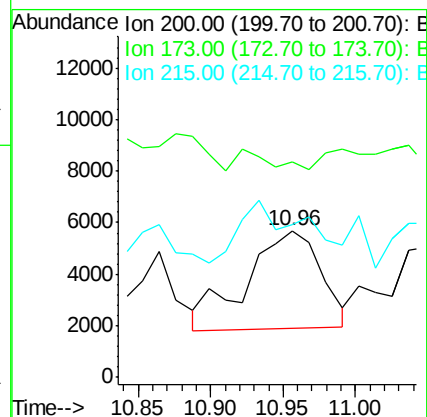
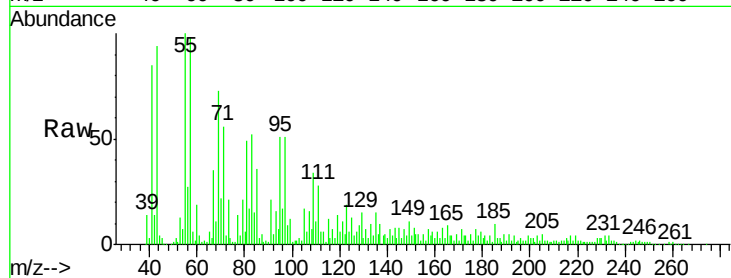
Tgt Ion:200 Resp: 13596

Ion Ratio Lower Upper

200 100

173 146.9 4.9 44.9#

215 104.3 25.5 65.5#



#70

Phenanthrene

Concen: 7.81 ng

RT: 11.25 min Scan# 802

Delta R.T. 0.00 min

Lab File: BF083074.D

Acq: 20 Nov 2015 11:22

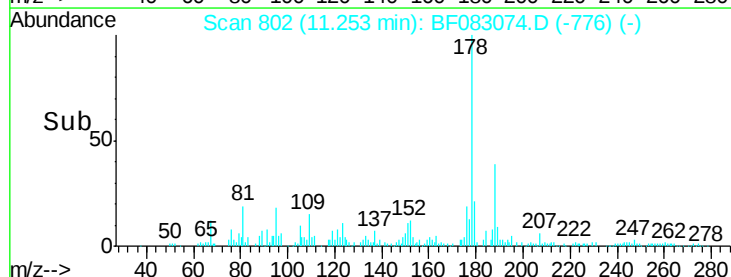
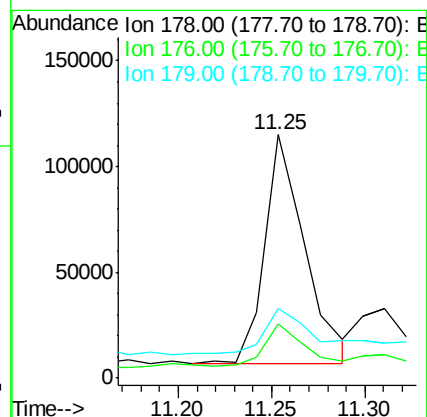
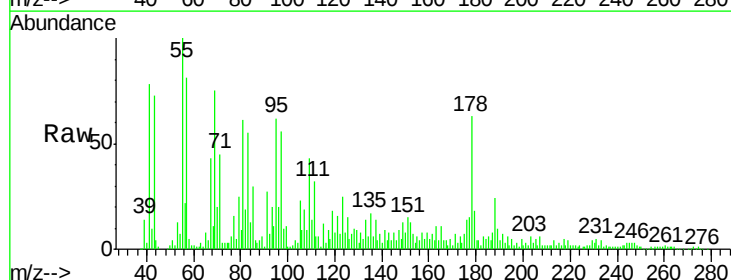
Tgt Ion:178 Resp: 160213

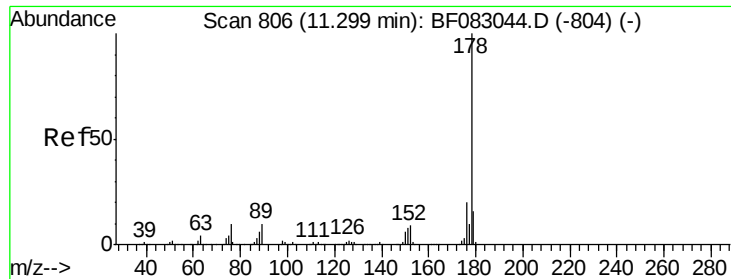
Ion Ratio Lower Upper

178 100

176 22.2 15.6 23.4

179 28.6 12.3 18.5#

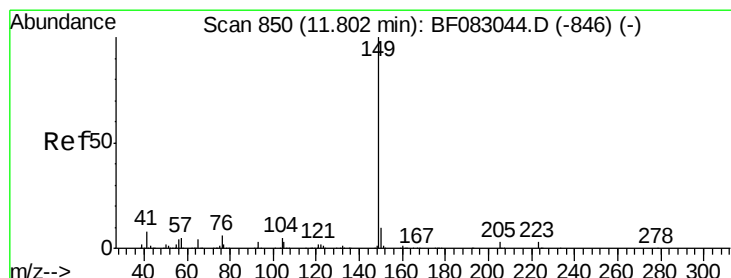
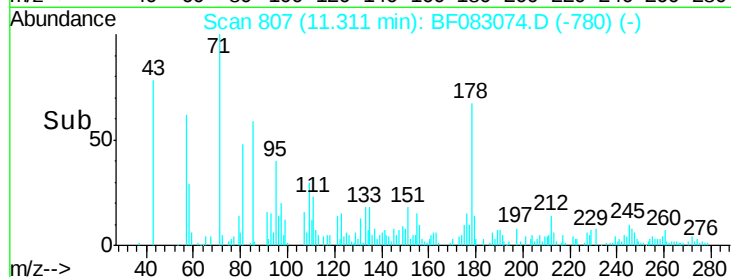
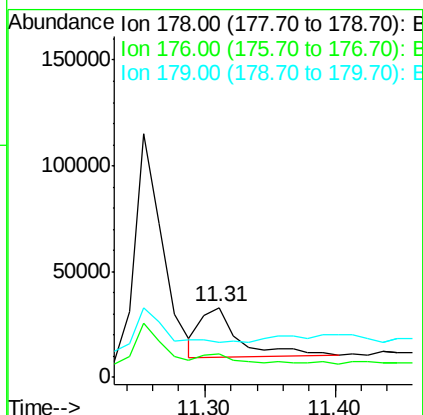
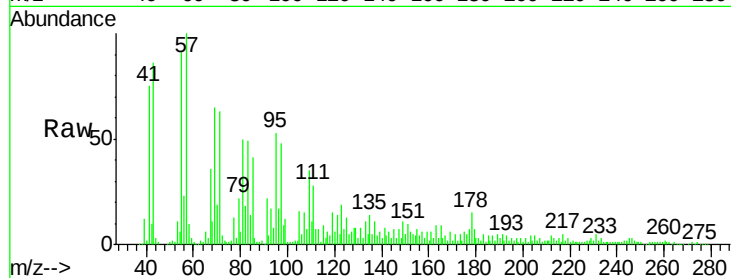




#71
 Anthracene
 Concen: 2.38 ng
 RT: 11.31 min Scan# 807
 Delta R.T. 0.01 min
 Lab File: BF083074.D
 Acq: 20 Nov 2015 11:22

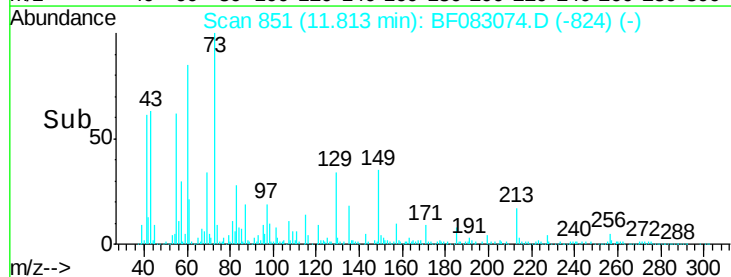
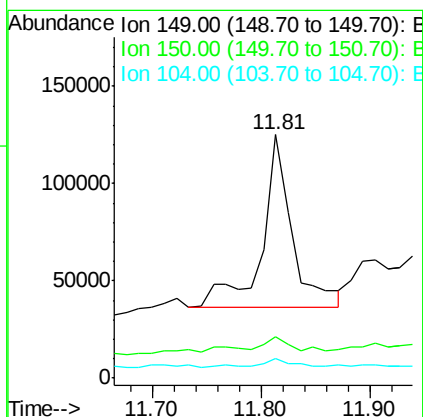
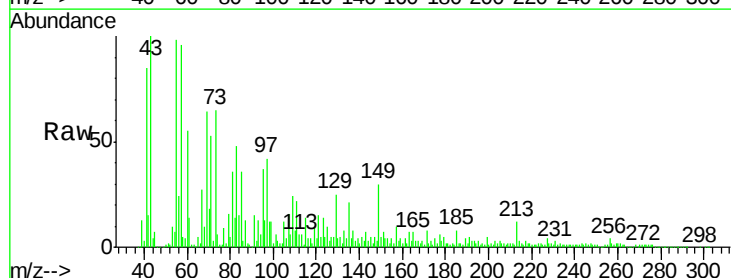
Instrument :
 BNA_F
 ClientSampleId :
 WC-JC

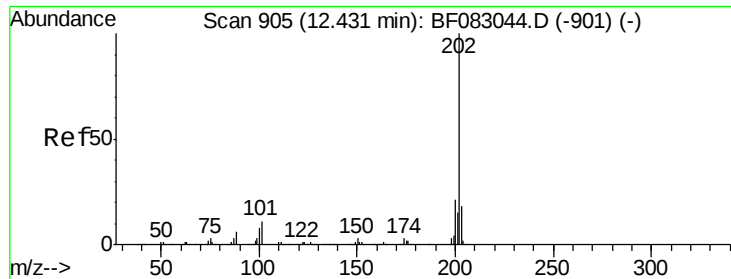
Tgt Ion:178 Resp: 49194
 Ion Ratio Lower Upper
 178 100
 176 34.0 15.8 23.6#
 179 49.6 13.1 19.7#



#73
 Di-n-butylphthalate
 Concen: 7.56 ng
 RT: 11.81 min Scan# 851
 Delta R.T. 0.01 min
 Lab File: BF083074.D
 Acq: 20 Nov 2015 11:22

Tgt Ion:149 Resp: 172184
 Ion Ratio Lower Upper
 149 100
 150 17.1 7.8 11.8#
 104 7.9 4.3 6.5#

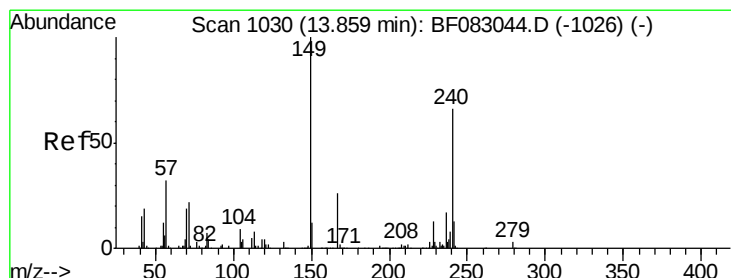
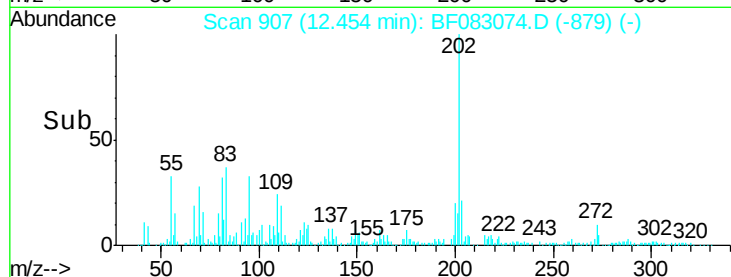
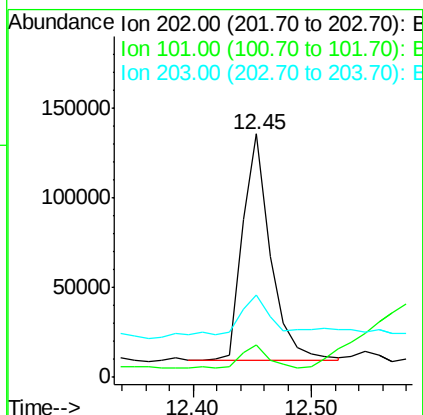
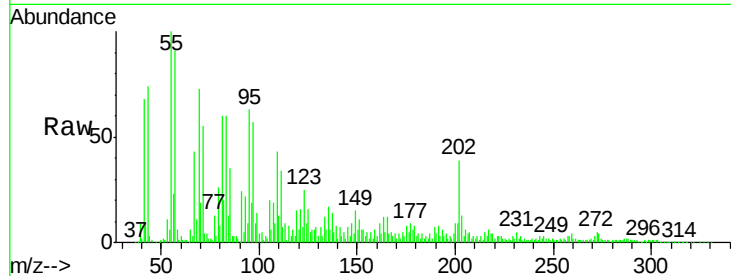




#74
Fluoranthene
Concen: 9.76 ng
RT: 12.45 min Scan# 907
Delta R.T. 0.02 min
Lab File: BF083074.D
Acq: 20 Nov 2015 11:22

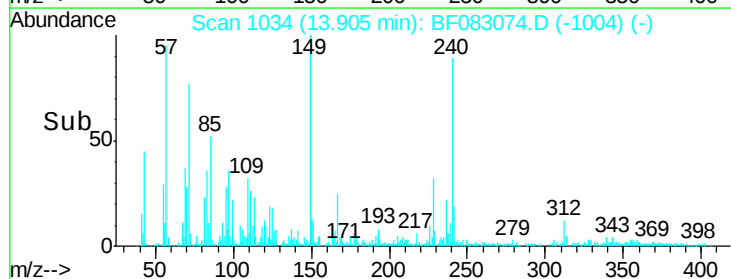
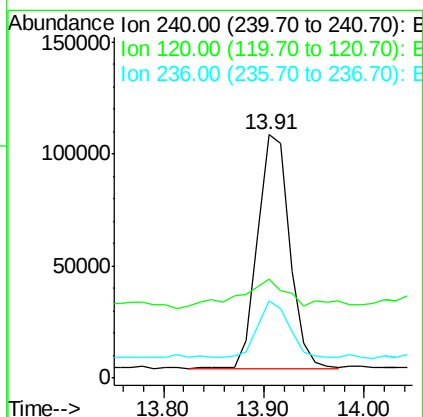
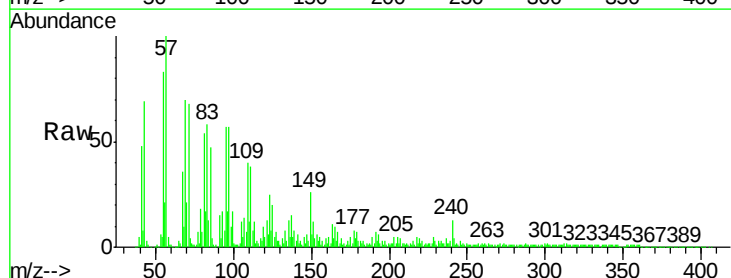
Instrument :
BNA_F
ClientSampleId :
WC-JC

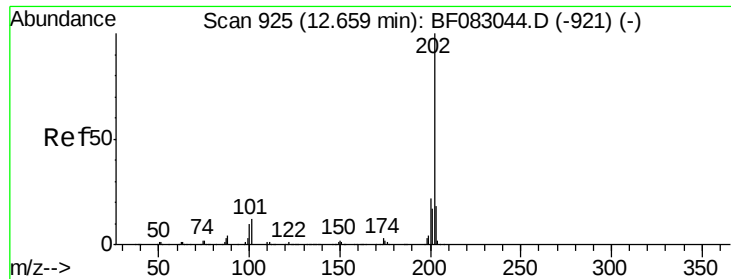
Tgt Ion:	202	Resp:	208518
Ion	Ratio	Lower	Upper
202	100		
101	13.6	0.0	31.1
203	34.0	0.0	38.4



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.91 min Scan# 1034
Delta R.T. 0.05 min
Lab File: BF083074.D
Acq: 20 Nov 2015 11:22

Tgt Ion:	240	Resp:	230102
Ion	Ratio	Lower	Upper
240	100		
120	40.6	5.3	7.9#
236	31.5	20.4	30.6#

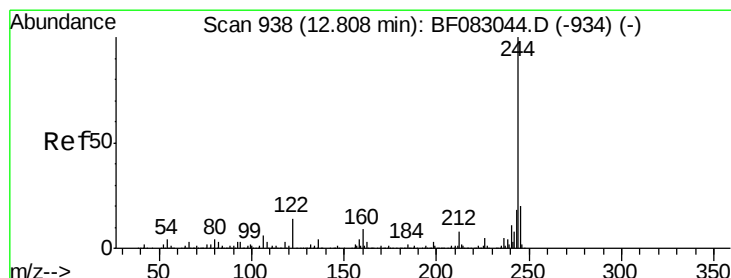
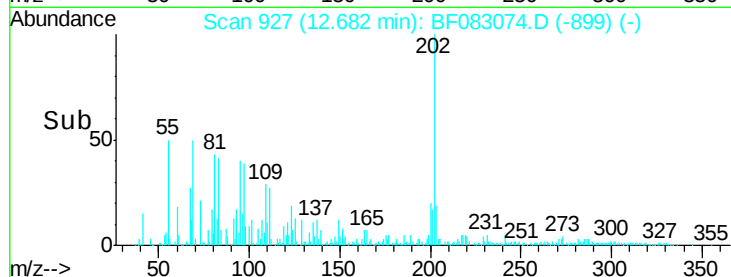
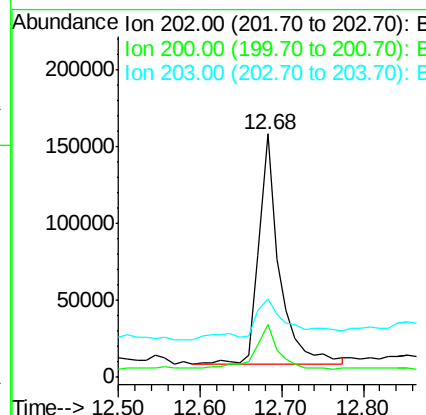
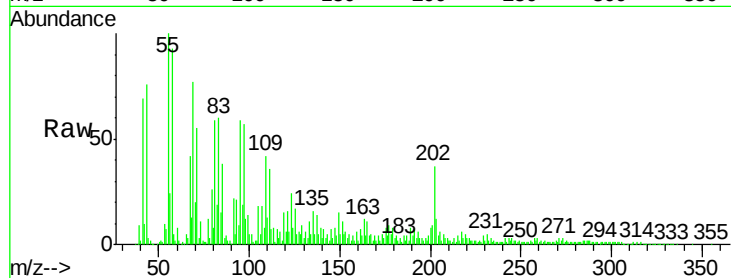




#77
 Pyrene
 Concen: 16.00 ng
 RT: 12.68 min Scan# 927
 Delta R.T. 0.02 min
 Lab File: BF083074.D
 Acq: 20 Nov 2015 11:22

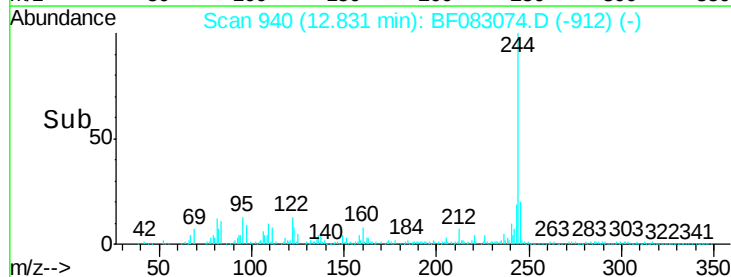
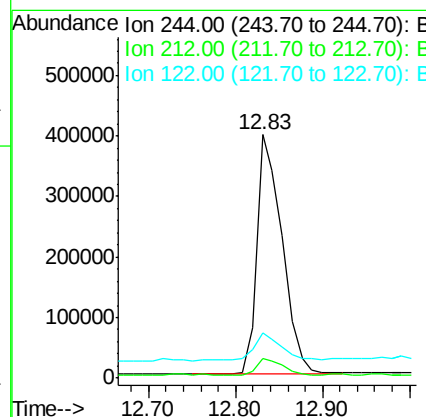
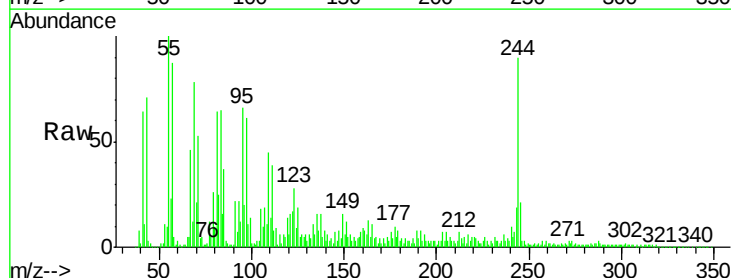
Instrument :
 BNA_F
 ClientSampleId :
 WC-JC

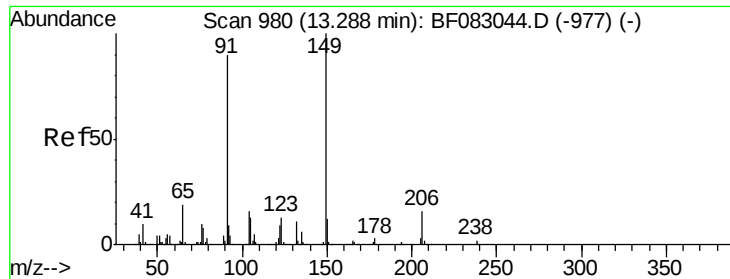
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.6	26.4
203	32.0	14.6	22.0



#78
 Terphenyl-d14
 Concen: 82.53 ng
 RT: 12.83 min Scan# 940
 Delta R.T. 0.02 min
 Lab File: BF083074.D
 Acq: 20 Nov 2015 11:22

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.2	6.4	9.6
122	18.8	10.9	16.3

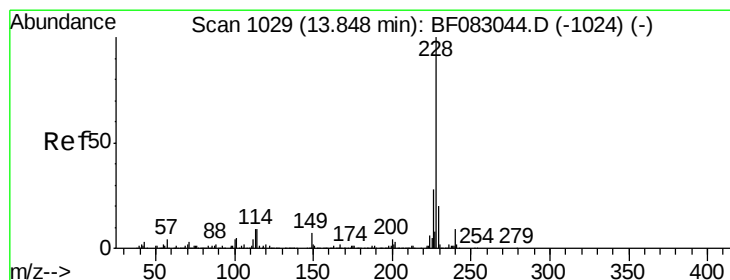
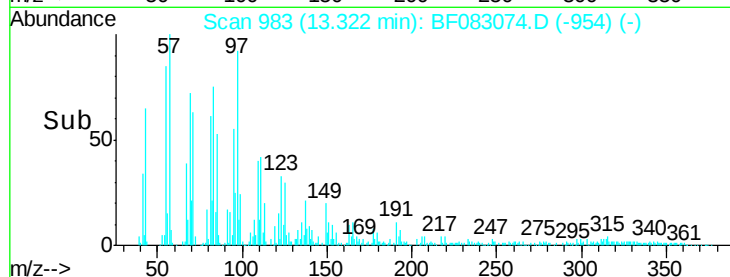
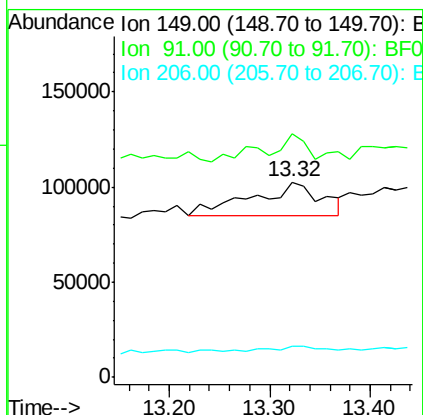
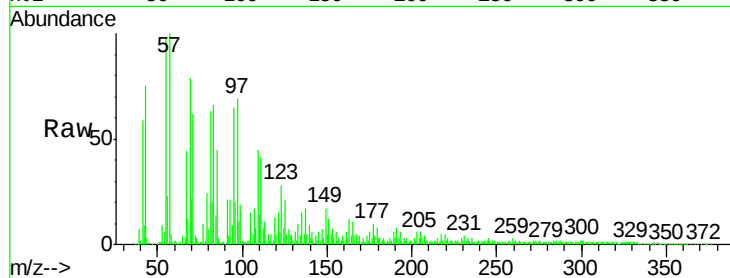




#79
Butylbenzylphthalate
Concen: 11.69 ng
RT: 13.32 min Scan# 983
Delta R.T. 0.03 min
Lab File: BF083074.D
Acq: 20 Nov 2015 11:22

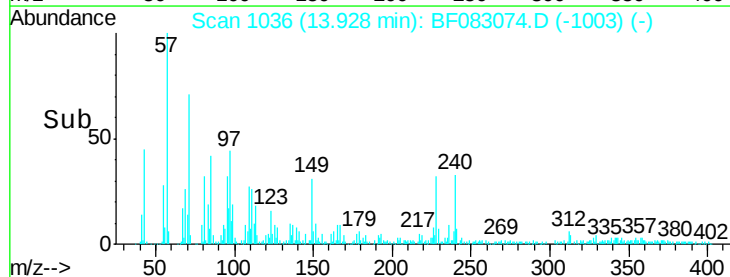
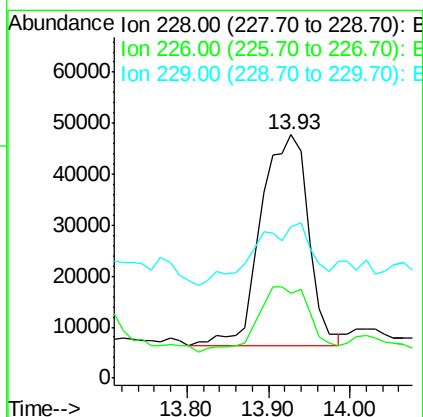
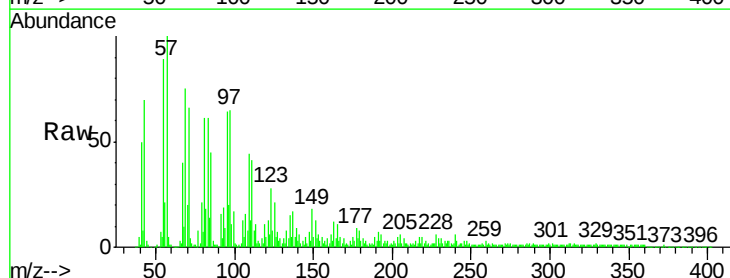
Instrument :
BNA_F
ClientSampleId :
WC-JC

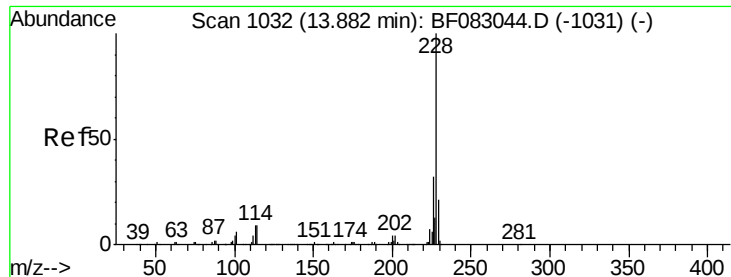
Tgt Ion:149 Resp: 83653
Ion Ratio Lower Upper
149 100
91 124.7 71.9 107.9#
206 16.1 13.1 19.7



#80
Benzo(a)anthracene
Concen: 11.44 ng
RT: 13.93 min Scan# 1036
Delta R.T. 0.08 min
Lab File: BF083074.D
Acq: 20 Nov 2015 11:22

Tgt Ion:228 Resp: 167317
Ion Ratio Lower Upper
228 100
226 34.7 22.6 34.0#
229 62.1 16.1 24.1#





#82

Chrysene

Concen: 12.48 ng

RT: 13.93 min Scan# 1036

Delta R.T. 0.05 min

Lab File: BF083074.D

Acq: 20 Nov 2015 11:22

Instrument :

BNA_F

ClientSampleId :

WC-JC

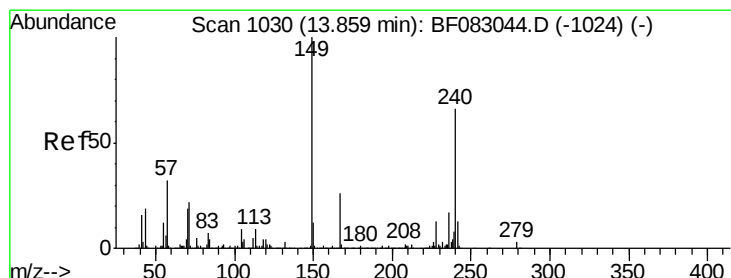
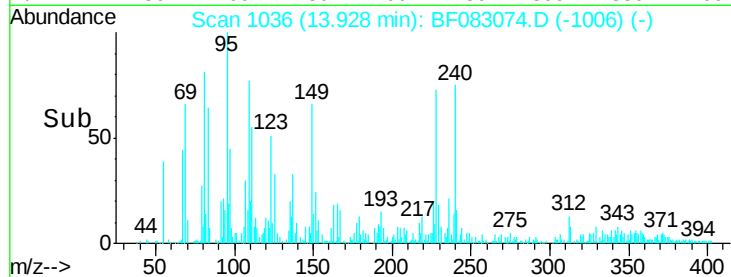
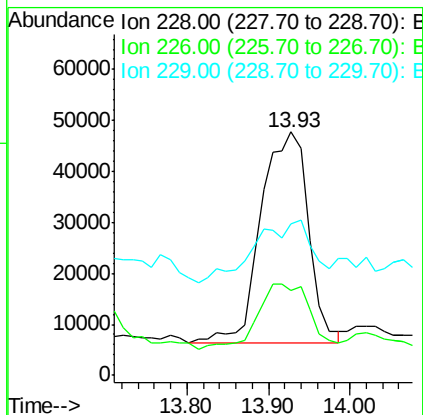
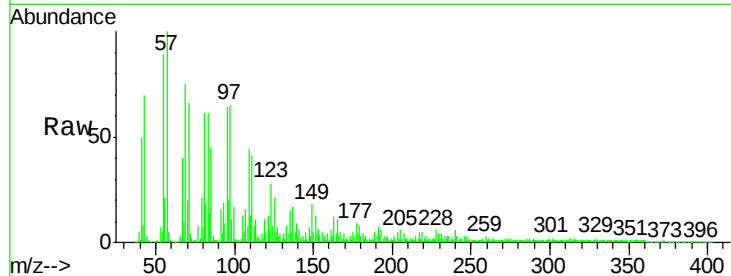
Tgt Ion:228 Resp: 167317

Ion Ratio Lower Upper

228 100

226 34.7 25.3 37.9

229 62.1 16.4 24.6#



#83

Bis(2-ethylhexyl)phthalate

Concen: 26.69 ng

RT: 13.92 min Scan# 1035

Delta R.T. 0.06 min

Lab File: BF083074.D

Acq: 20 Nov 2015 11:22

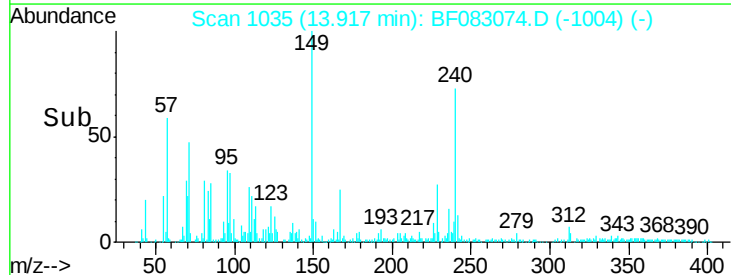
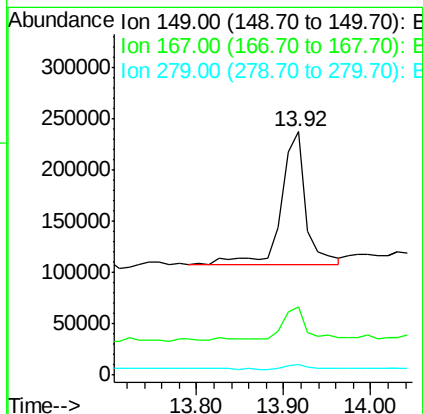
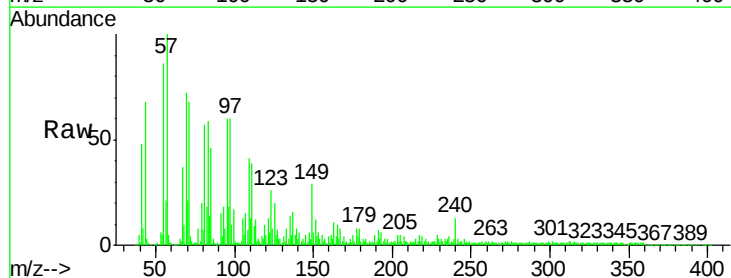
Tgt Ion:149 Resp: 249815

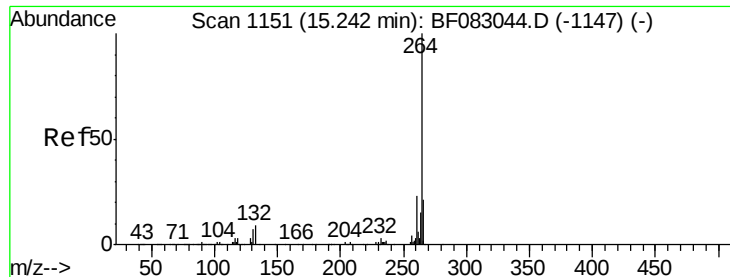
Ion Ratio Lower Upper

149 100

167 28.1 20.9 31.3

279 4.5 2.0 3.0#



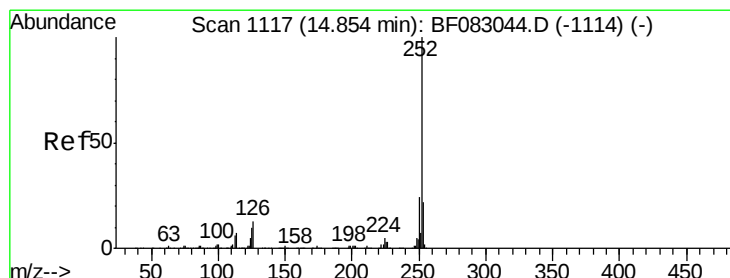
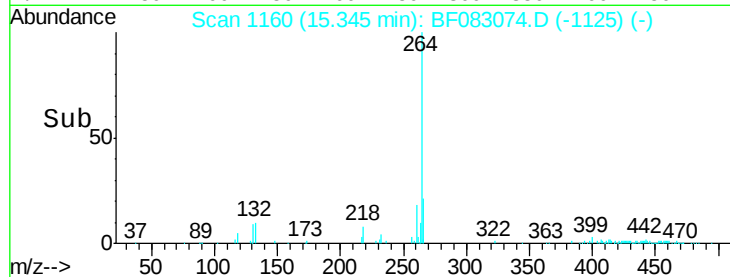
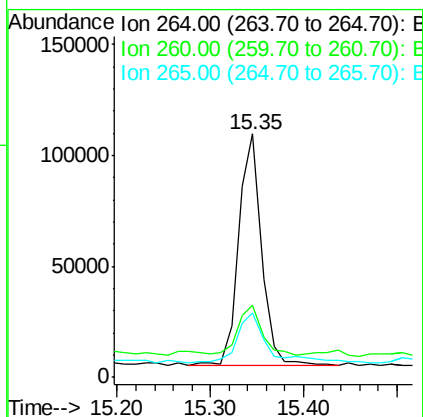
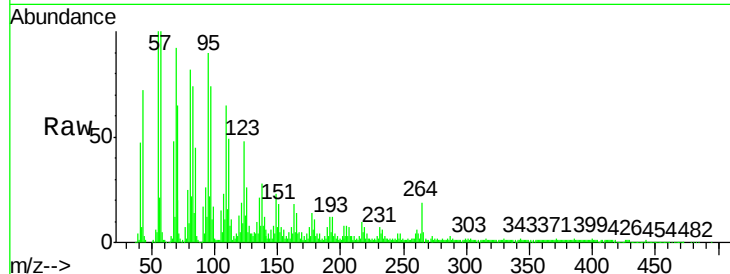


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.35 min Scan# 1160
Delta R.T. 0.10 min
Lab File: BF083074.D
Acq: 20 Nov 2015 11:22

Instrument :
BNA_F
ClientSampleId :
WC-JC

Tgt Ion: 264 Resp: 176968

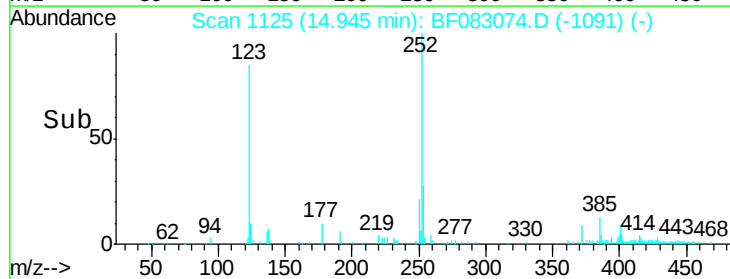
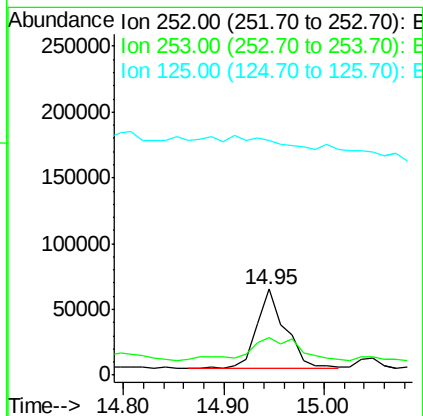
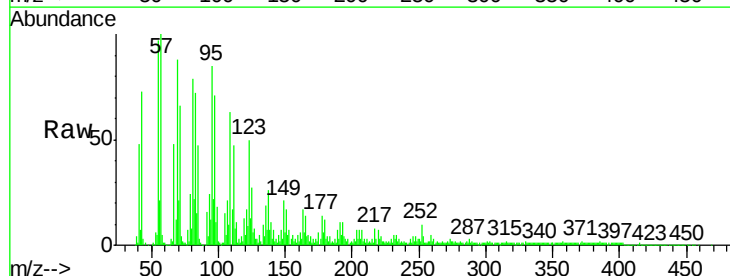
Ion	Ratio	Lower	Upper
264	100		
260	29.4	18.6	27.8#
265	26.5	17.0	25.6#

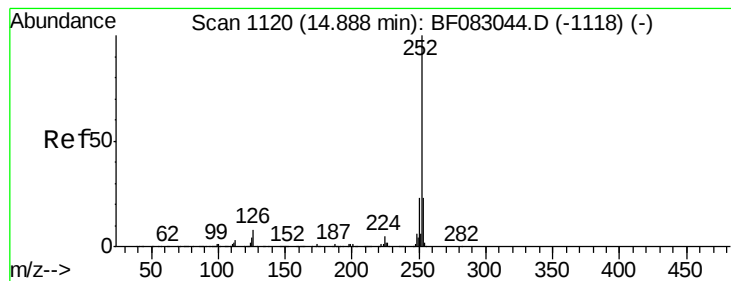


#87
Benzo(b)fluoranthene
Concen: 9.83 ng
RT: 14.95 min Scan# 1125
Delta R.T. 0.09 min
Lab File: BF083074.D
Acq: 20 Nov 2015 11:22

Tgt Ion: 252 Resp: 121581

Ion	Ratio	Lower	Upper
252	100		
253	43.5	17.6	26.4#
125	274.3	7.7	11.5#





#88

Benzo(k)fluoranthene

Concen: 12.46 ng

RT: 14.95 min Scan# 1125

Delta R.T. 0.06 min

Lab File: BF083074.D

Acq: 20 Nov 2015 11:22

Instrument :

BNA_F

ClientSampleId :

WC-JC

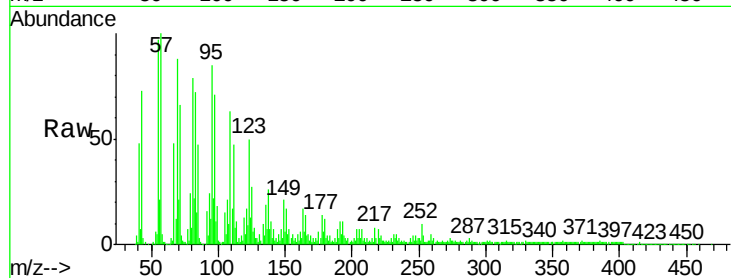
Tgt Ion:252 Resp: 117457

Ion Ratio Lower Upper

252 100

253 43.5 17.8 26.6#

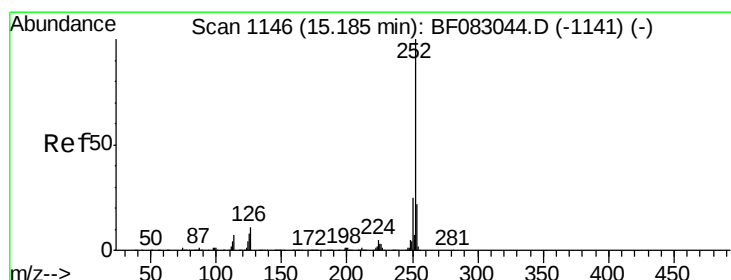
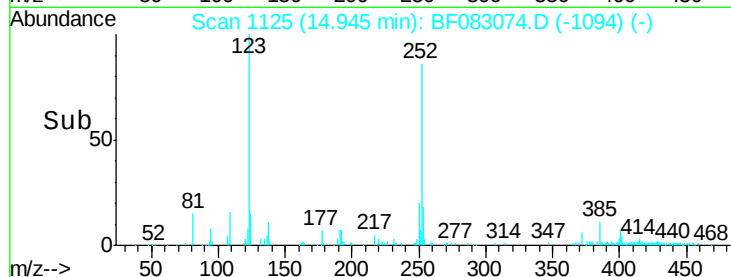
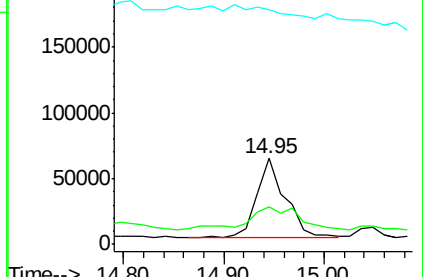
125 274.3 3.8 5.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 5.21 ng

RT: 15.28 min Scan# 1154

Delta R.T. 0.09 min

Lab File: BF083074.D

Acq: 20 Nov 2015 11:22

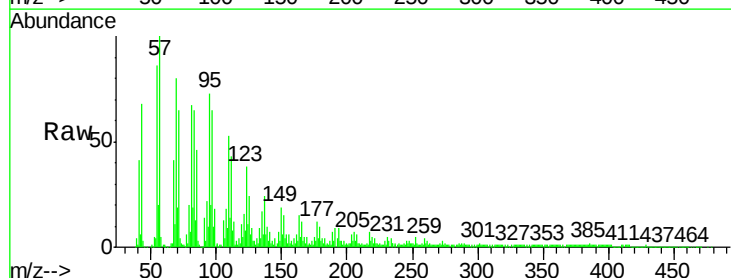
Tgt Ion:252 Resp: 51750

Ion Ratio Lower Upper

252 100

253 49.3 17.5 26.3#

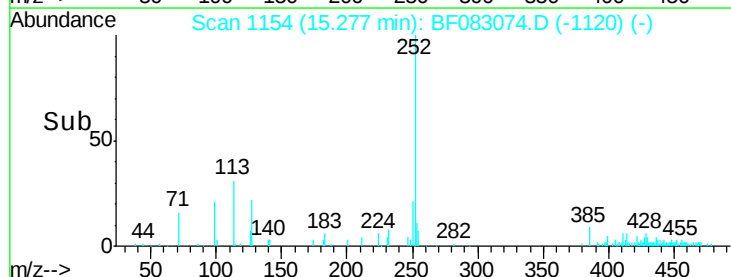
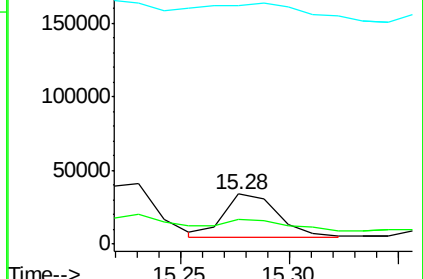
125 473.7 6.4 9.6#

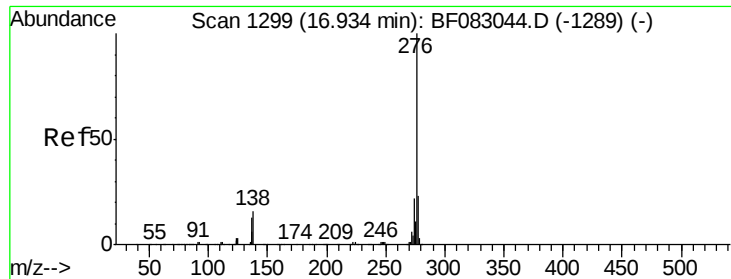


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(g,h,i)perylene

Concen: 15.77 ng

RT: 17.08 min Scan# 1312

Delta R.T. 0.15 min

Lab File: BF083074.D

Acq: 20 Nov 2015 11:22

Instrument :

BNA_F

ClientSampleId :

WC-JC

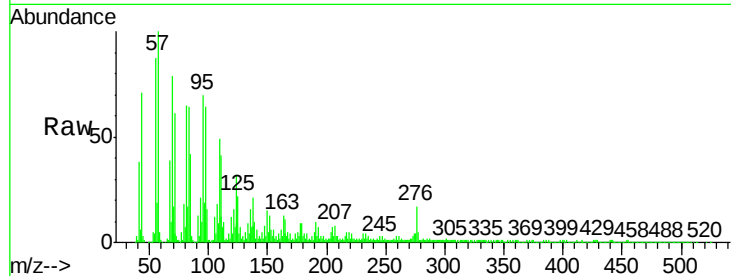
Tgt Ion: 276 Resp: 132952

Ion Ratio Lower Upper

276 100

277 30.8 18.6 27.8#

138 48.8 12.5 18.7#



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

