

Data Path : V:\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 15:55:52 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	R.T.	QIon	Response	Conc	Units	Dev(Min)
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

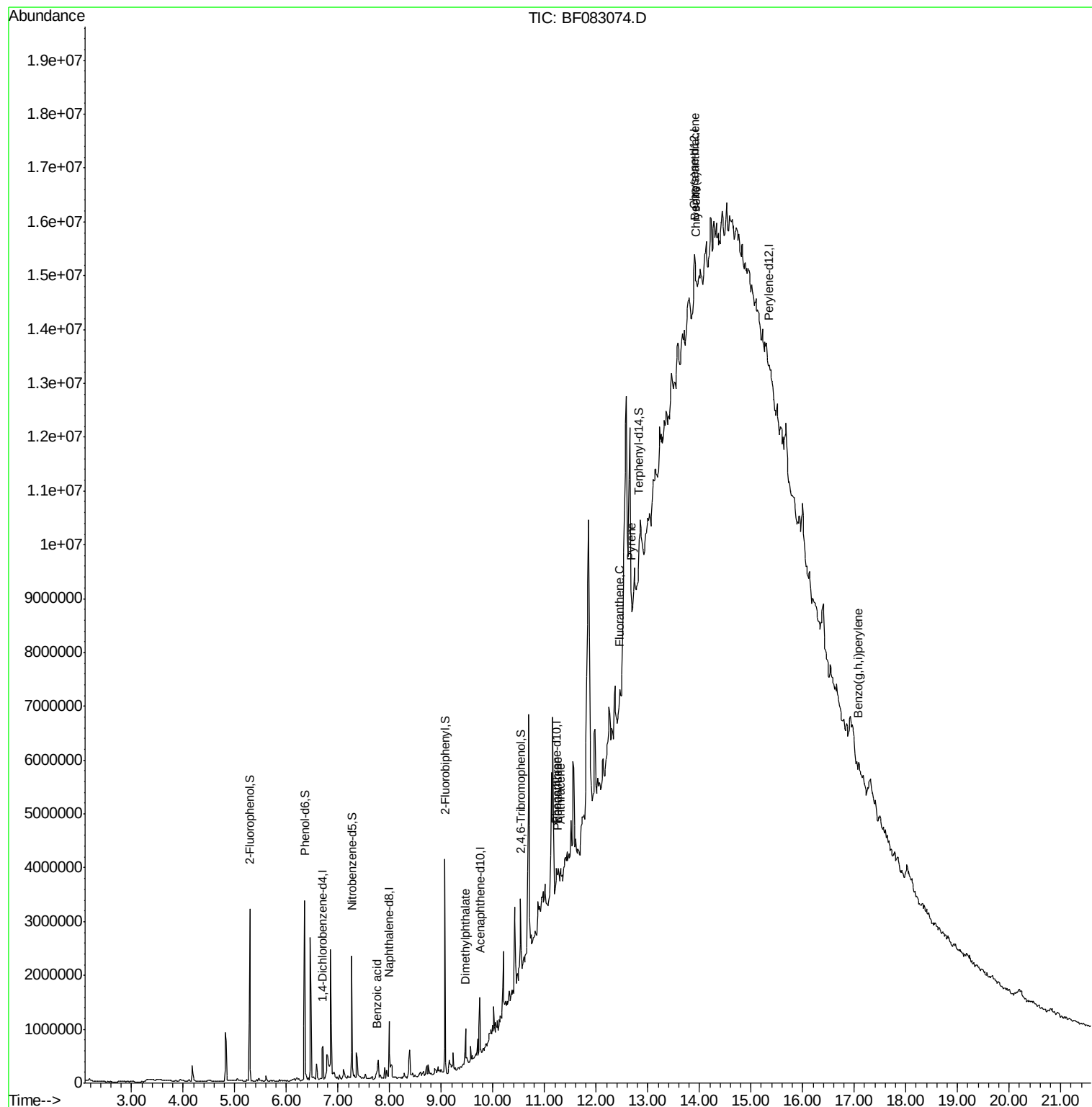
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
32) Benzoic acid	7.74	122	18521	4.19	ng	92
49) Dimethylphthalate	9.47	163	257431	15.18	ng	98
70) Phenanthrene	11.25	178	160213	7.81	ng	# 83
71) Anthracene	11.31	178	49194	2.38	ng	# 48
74) Fluoranthene	12.45	202	208518	9.76	ng	76
77) Pyrene	12.68	202	259117	16.00	ng	# 86
80) Benzo(a)anthracene	13.92	228	87636m	5.99	ng	
82) Chrysene	13.93	228	74990m	5.59	ng	
91) Benzo(g,h,i)perylene	17.08	276	132952	15.77	ng	# 59

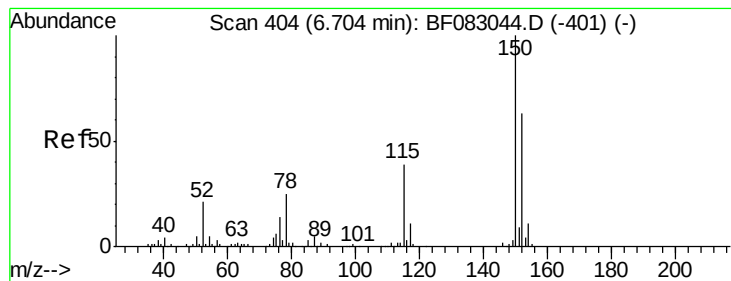
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

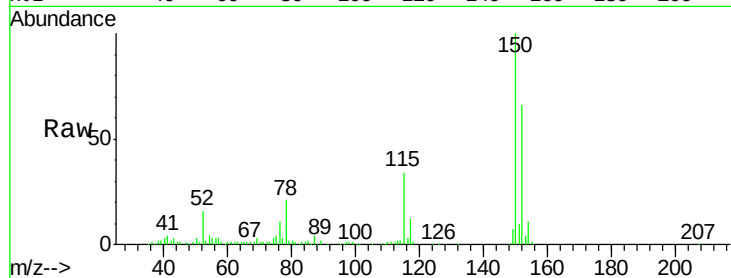
Tot Ion:152 Resp: 139540

Ion Ratio Lower Upper

152 100

150 151.3 126.4 189.6

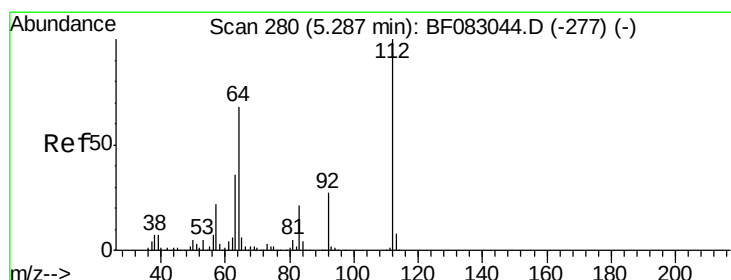
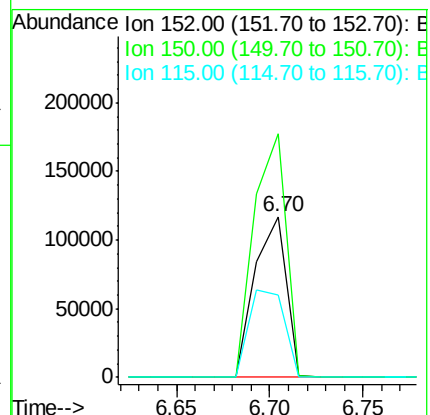
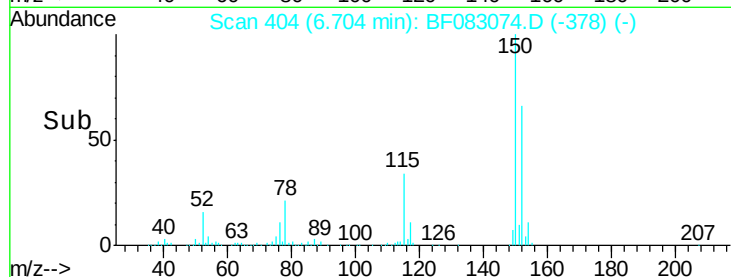
115 51.5 49.0 73.6



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

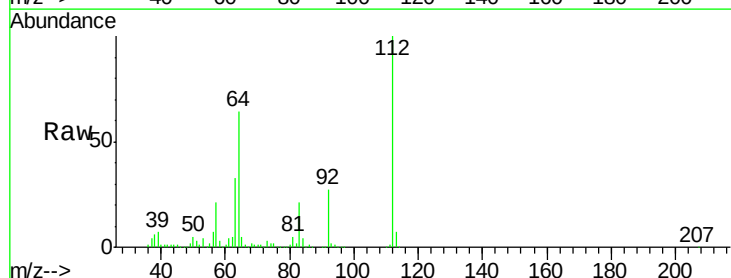
Tgt Ion:112 Resp: 846416

Ion Ratio Lower Upper

112 100

64 63.8 54.8 82.2

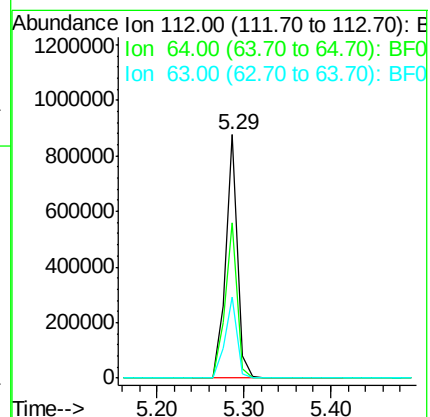
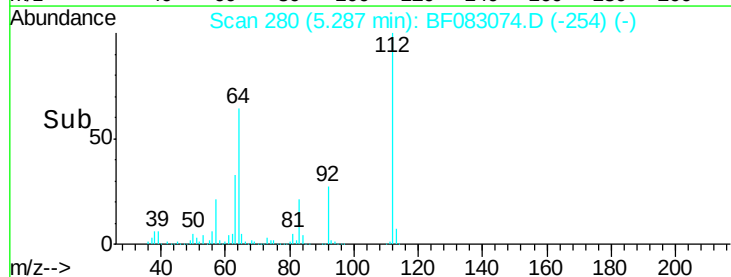
63 33.3 29.0 43.4

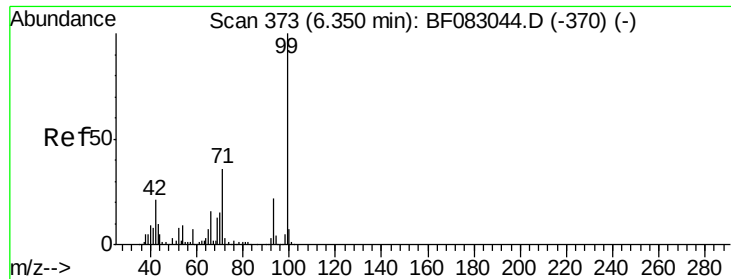


Abundance Ion 112.00 (111.70 to 112.70): E

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

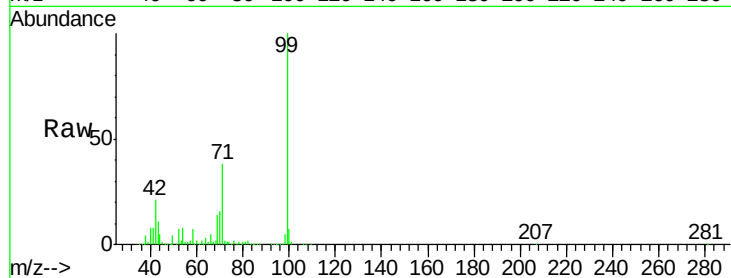
Tot Ion: 99 Resp: 1069505

Ion Ratio Lower Upper

99 100

42 20.5 16.6 25.0

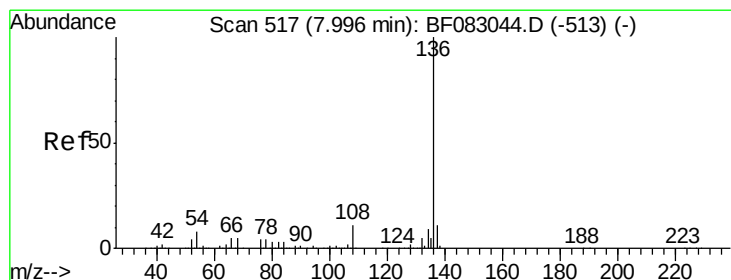
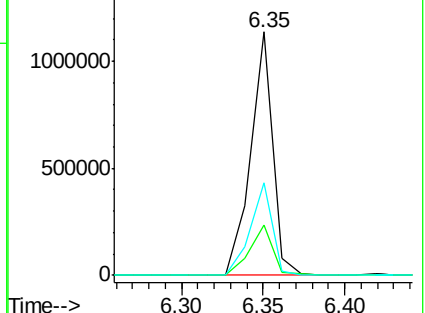
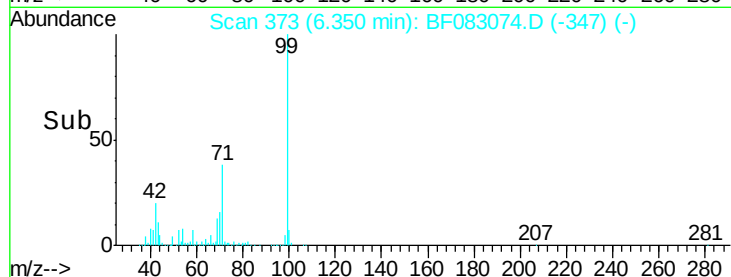
71 38.3 29.2 43.8



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: 7.98 min Scan# 516

Delta R.T. -0.01 min

Lab File: BF083074.D

Acq: 20 Nov 2015 11:22

Tgt Ion: 136 Resp: 456408

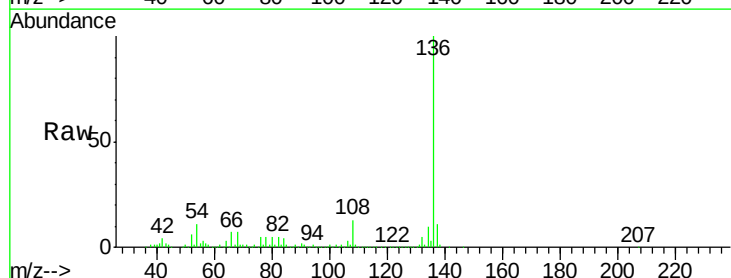
Ion Ratio Lower Upper

136 100

137 11.4 8.6 12.8

54 11.4 6.2 9.2#

68 7.3 4.2 6.2#

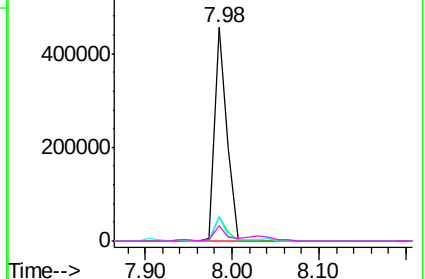
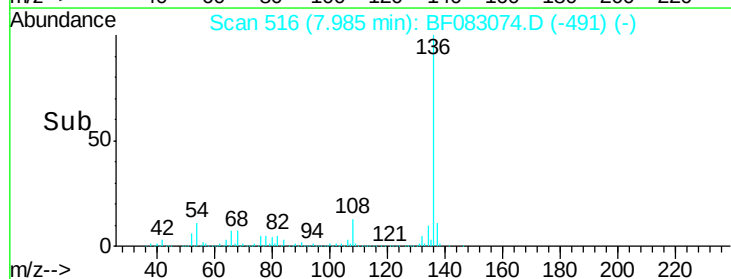


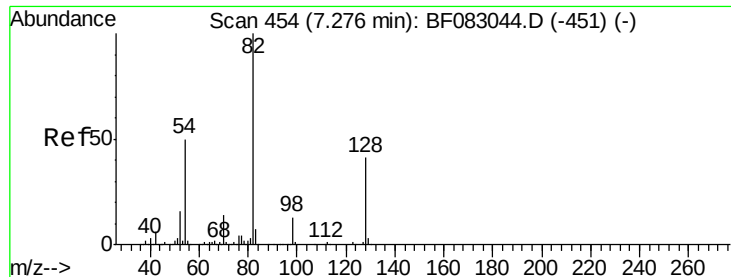
Abundance Ion 136.00 (135.70 to 136.70): E

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

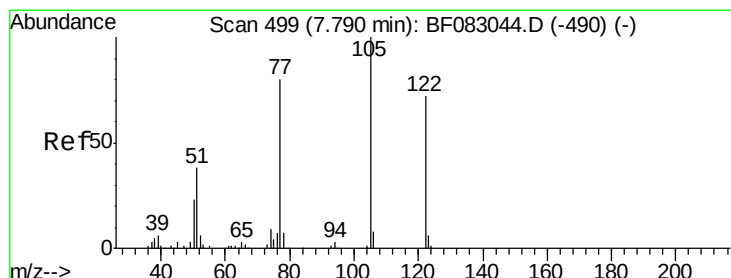
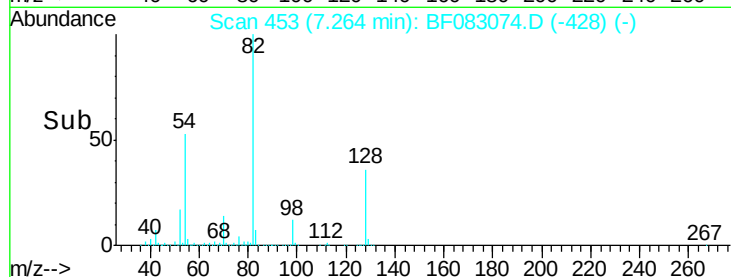
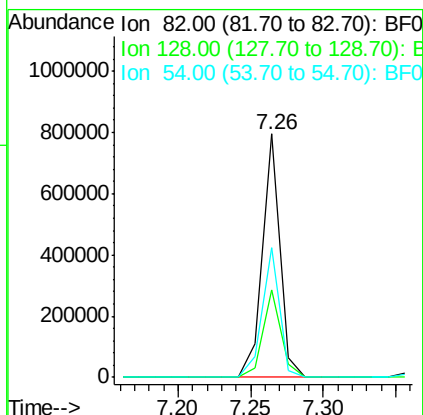
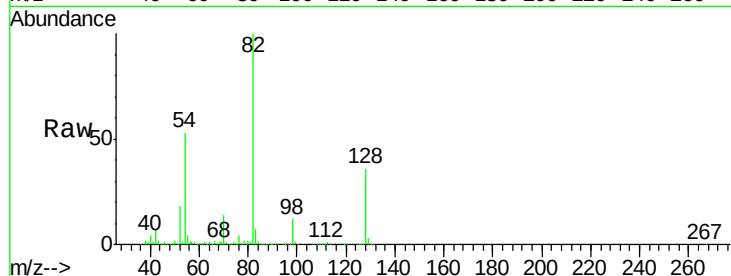




#23
 Nitrobenzene-d5
 Concen: 66.65 ng
 RT: 7.26 min Scan# 453
 Delta R.T. -0.01 min
 Lab File: BF083074.D
 Acq: 20 Nov 2015 11:22

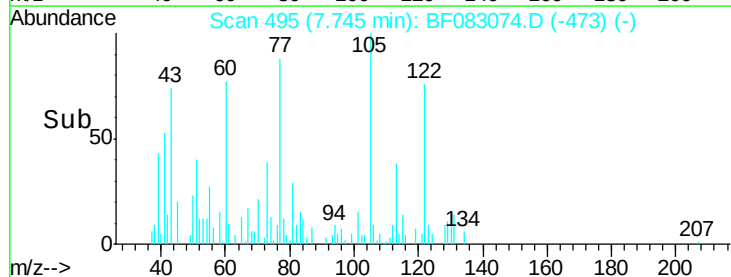
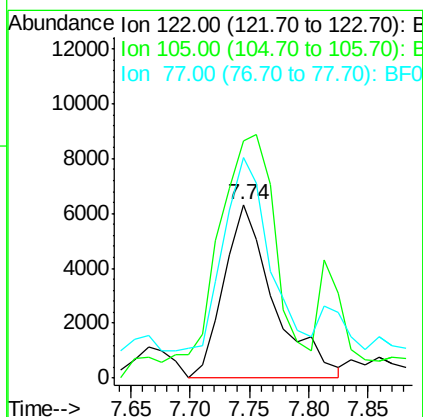
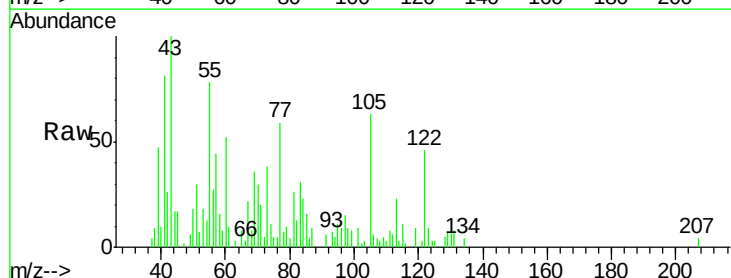
Instrument :
 BNA_F
 ClientSampled :
 WC-JC

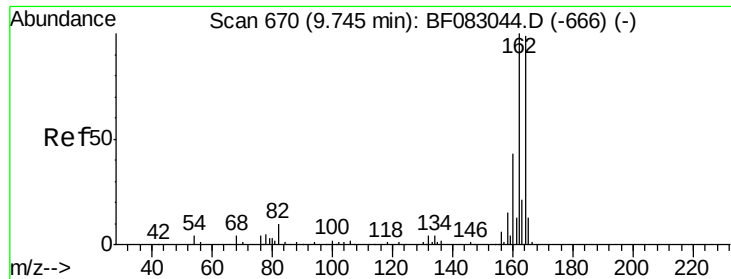
Tot Ion	82	Resp	664441
Ion Ratio	100	Lower	Upper
128	36.2	33.1	49.7
54	53.0	39.8	59.6



#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	100	Lower	Upper
105	136.8	115.0	155.0
77	127.0	89.0	129.0





#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

ClientSampleId :

WC-JC

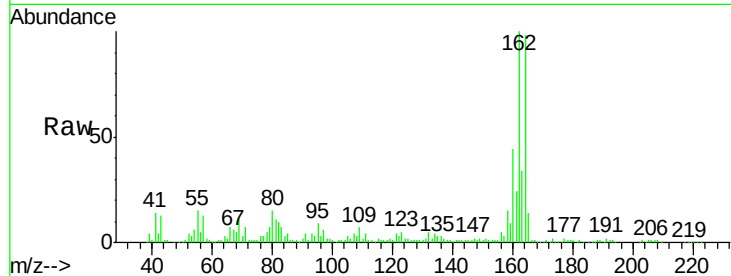
Tot Ion:164 Resp: 206078

Ion Ratio Lower Upper

164 100

162 101.7 80.5 120.7

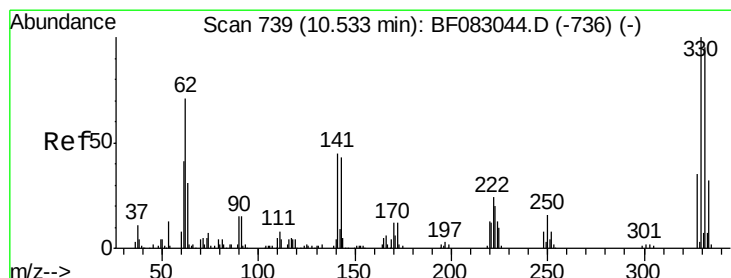
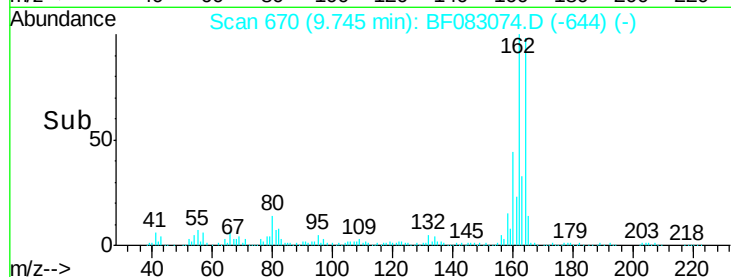
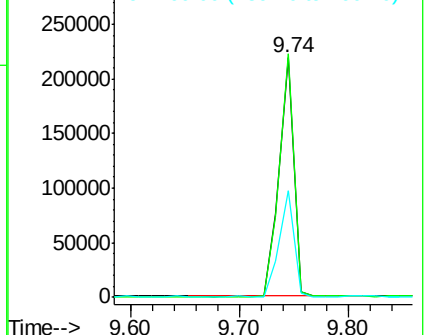
160 44.6 35.0 52.4



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

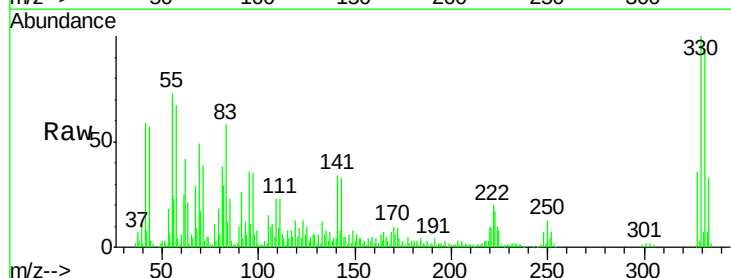
Tgt Ion:330 Resp: 191235

Ion Ratio Lower Upper

330 100

332 96.1 77.6 116.4

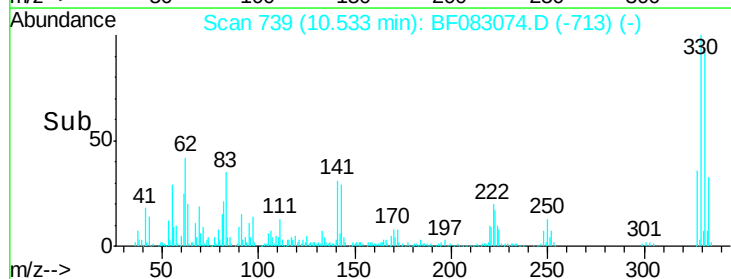
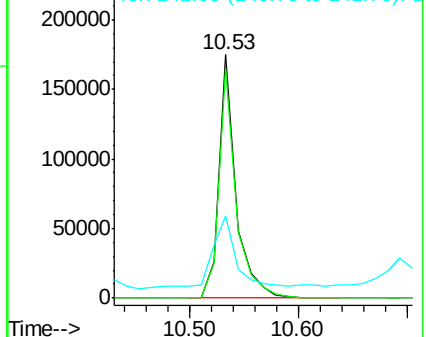
141 37.8 34.6 52.0

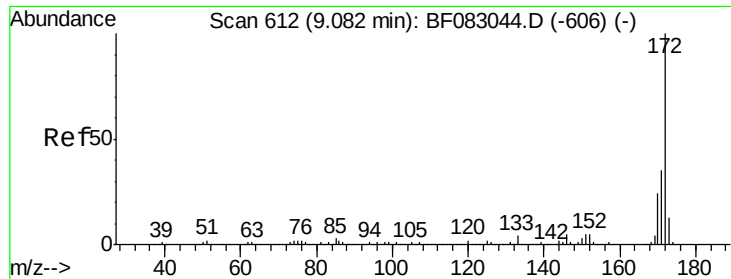


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

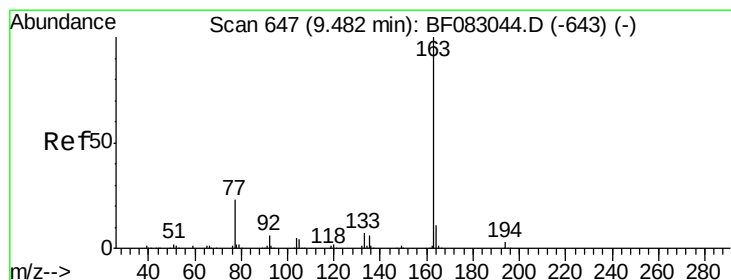
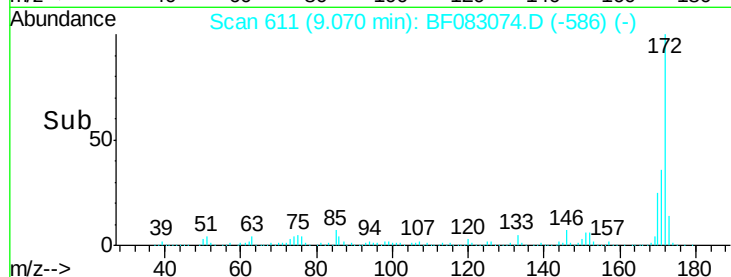
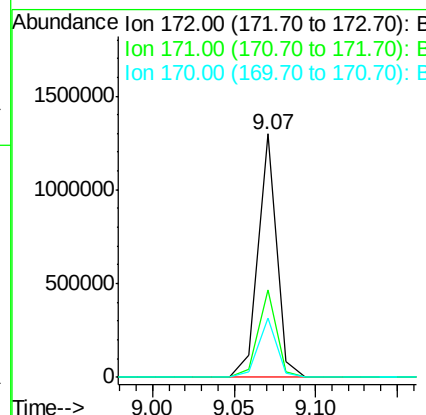
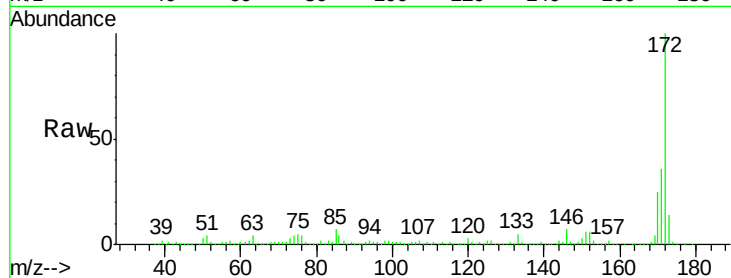




#44
2-Fluorobiphenyl
Concen: 67.44 ng
RT: 9.07 min Scan# 611
Delta R.T. -0.01 min
Lab File: BF083074.D
Acq: 20 Nov 2015 11:22

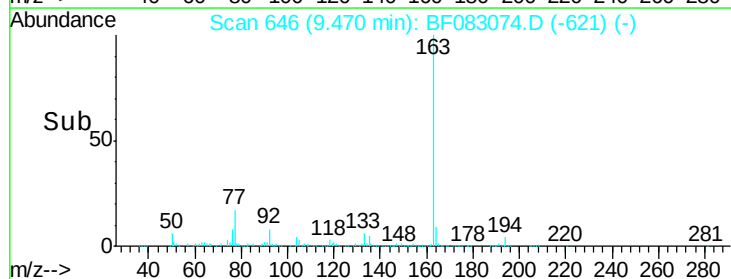
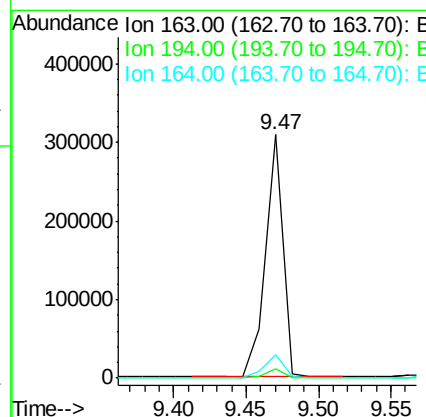
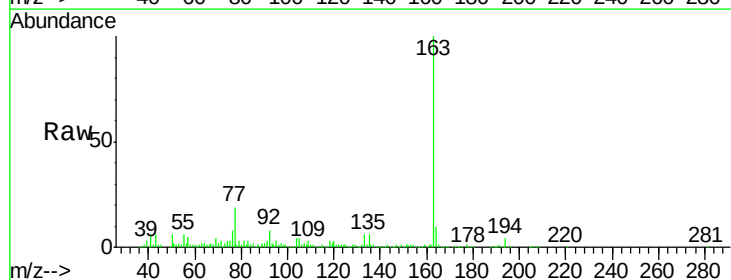
Instrument :
BNA_F
ClientSampleId :
WC-JC

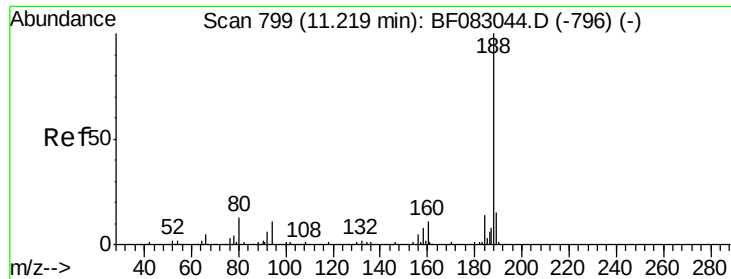
Tot Ion:172 Resp: 1031928
Ion Ratio Lower Upper
172 100
171 35.9 28.2 42.4
170 24.5 19.4 29.0



#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

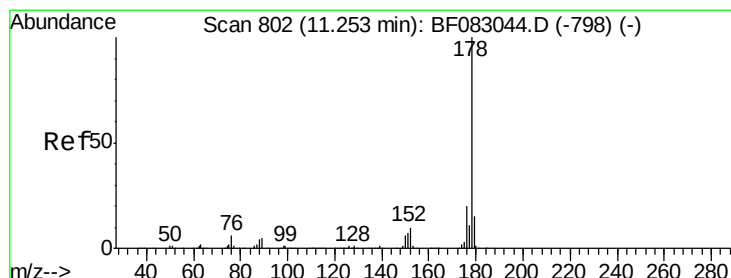
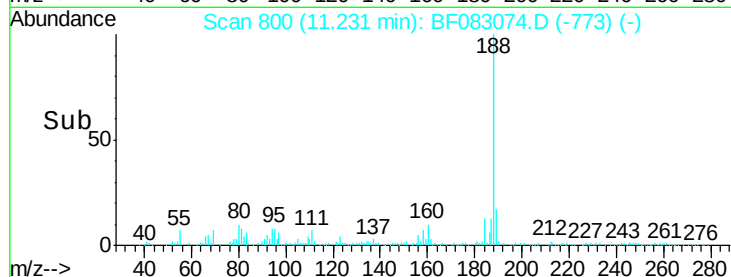
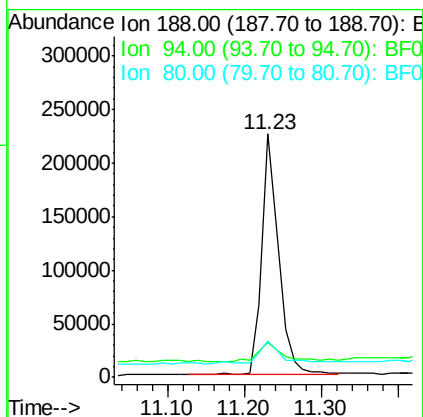
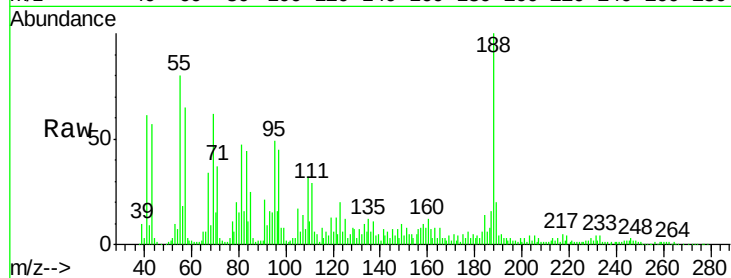




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.23 min Scan# 800
Delta R.T. 0.01 min
Lab File: BF083074.D
Acq: 20 Nov 2015 11:22

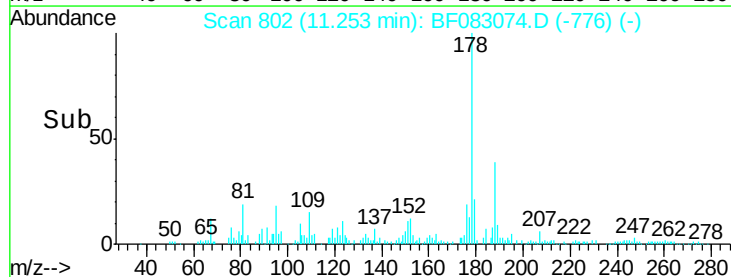
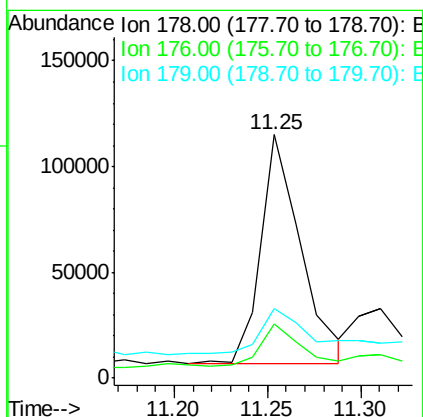
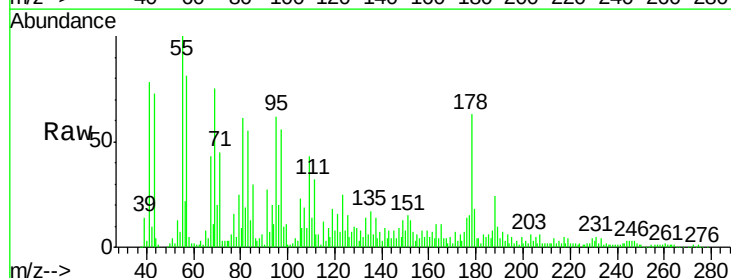
Instrument :
BNA_F
ClientSampleId :
WC-JC

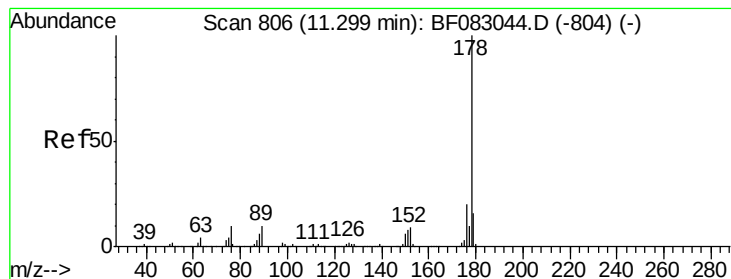
Tot Ion:188 Resp: 339872
Ion Ratio Lower Upper
188 100
94 14.6 9.0 13.4#
80 15.1 10.2 15.4



#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

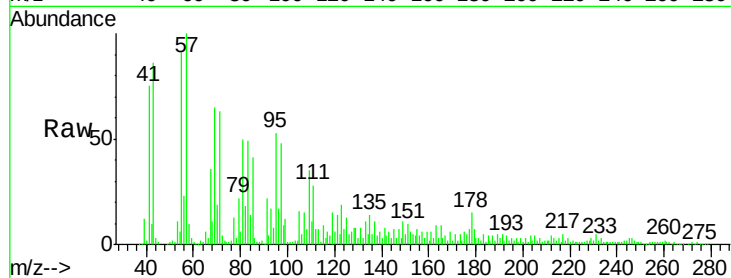
Tot Ion:178 Resp: 49194

Ion Ratio Lower Upper

178 100

176 34.0 15.8 23.6#

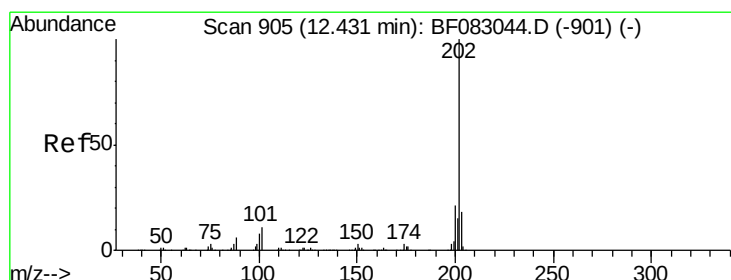
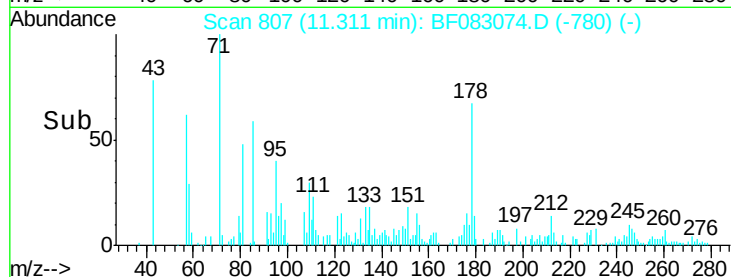
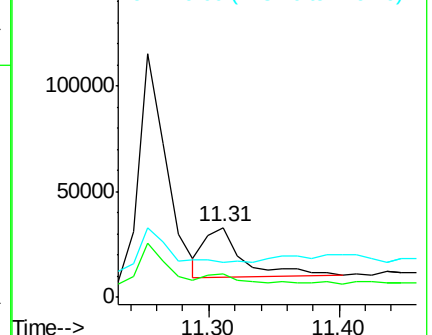
179 49.6 13.1 19.7#



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



#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

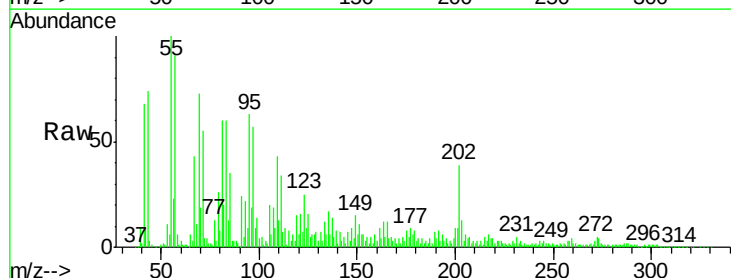
Tgt Ion:202 Resp: 208518

Ion Ratio Lower Upper

202 100

101 13.6 0.0 31.1

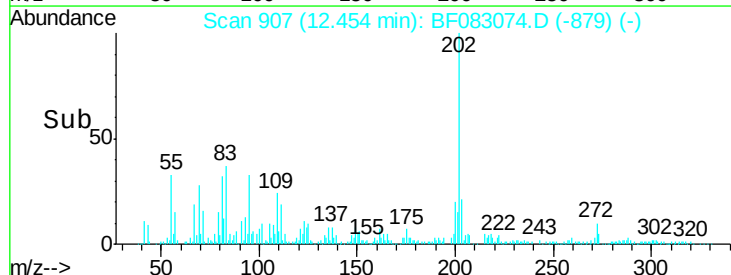
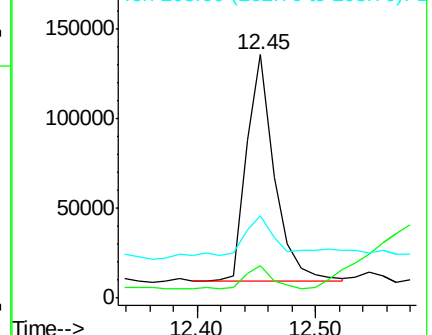
203 34.0 0.0 38.4

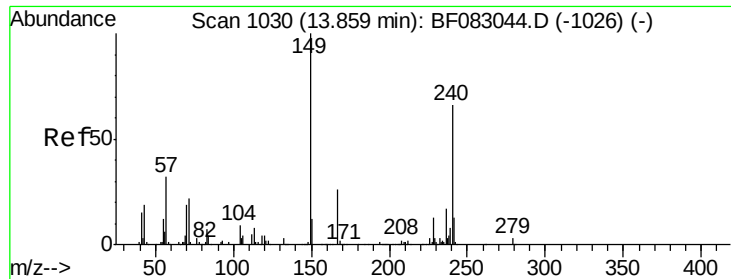


Abundance Ion 202.00 (201.70 to 202.70): E

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. 0.05 min

Lab File: BF083074.D

Acq: 20 Nov 2015 11:22

Instrument :

BNA_F

ClientSampleId :

WC-JC

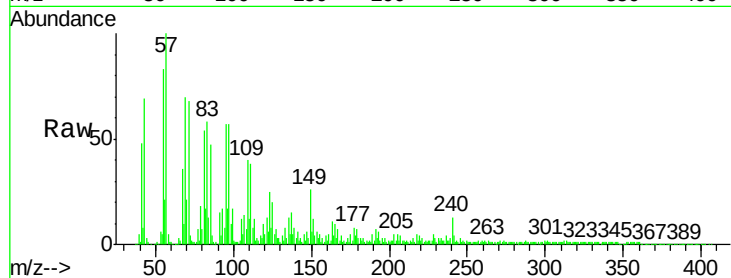
Tot Ion:240 Resp: 230102

Ion Ratio Lower Upper

240 100

120 40.6 5.3 7.9#

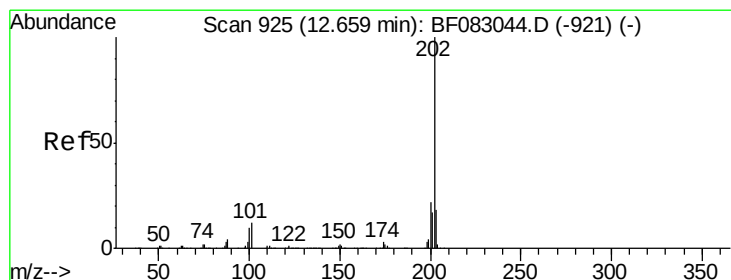
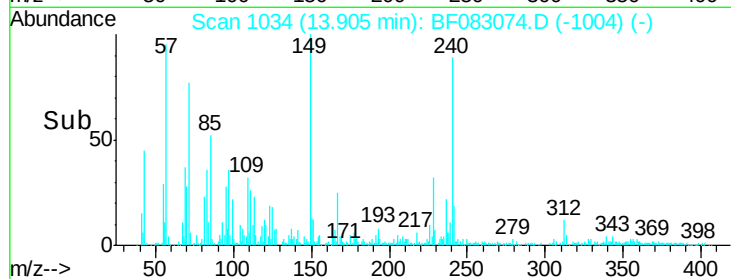
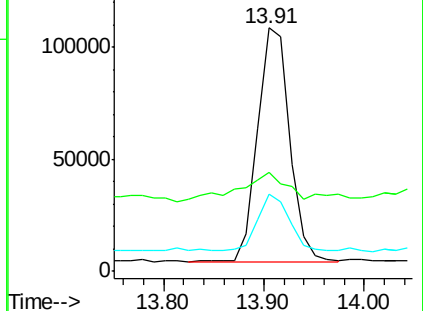
236 31.5 20.4 30.6#



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: 16.00 ng

RT: 12.68 min Scan# 927

Delta R.T. 0.02 min

Lab File: BF083074.D

Acq: 20 Nov 2015 11:22

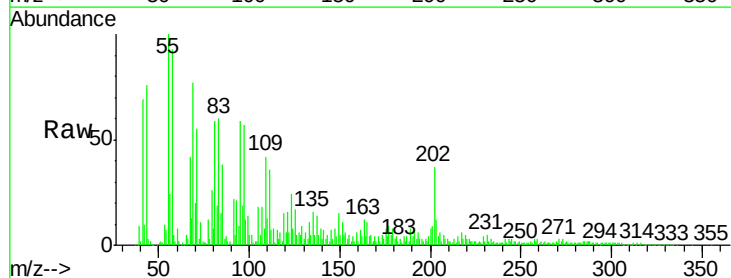
Tgt Ion:202 Resp: 259117

Ion Ratio Lower Upper

202 100

200 21.7 17.6 26.4

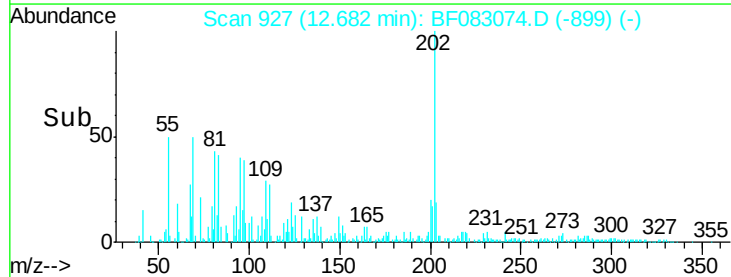
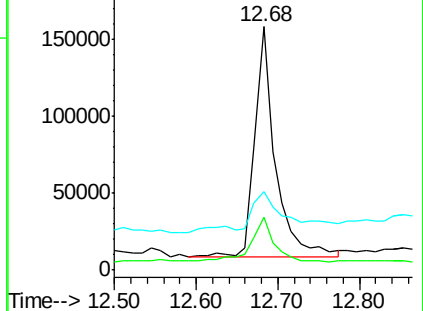
203 32.0 14.6 22.0#

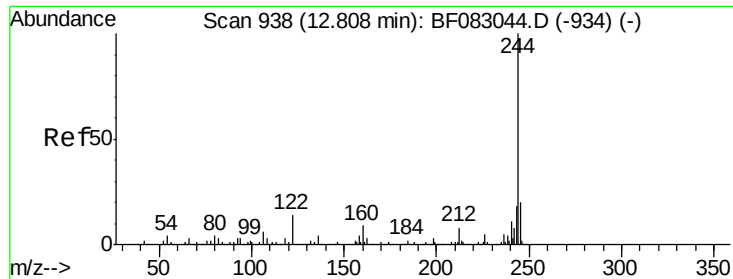


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

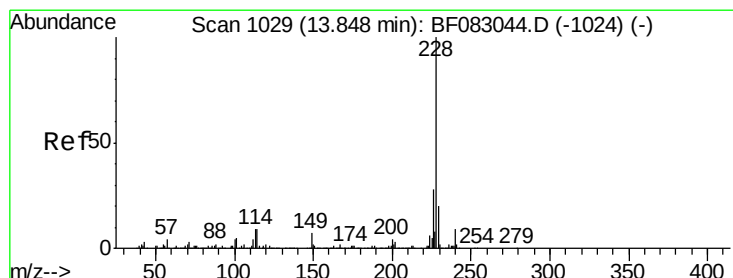
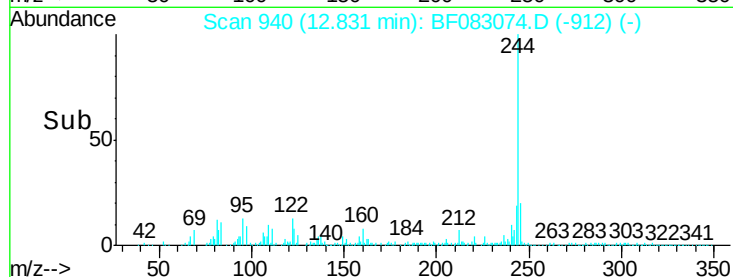
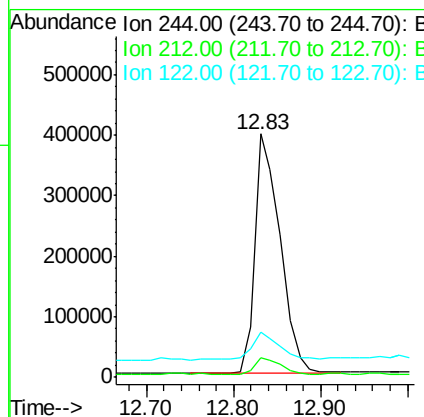
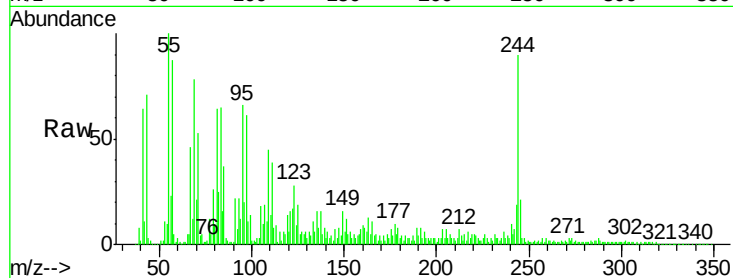




#78
 Terphenyl-d14
 Concen: 82.53 ng
 RT: 12.83 min Scan# 940
 Delta R.T. 0.02 min
 Lab File: BF083074.D
 Acq: 20 Nov 2015 11:22

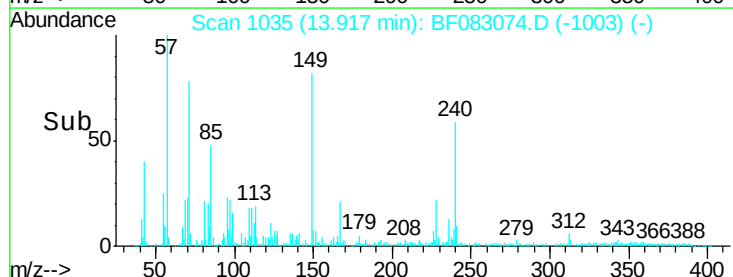
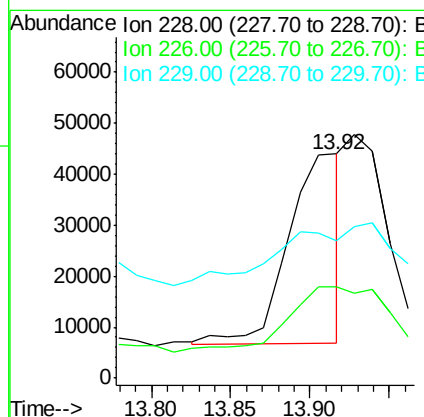
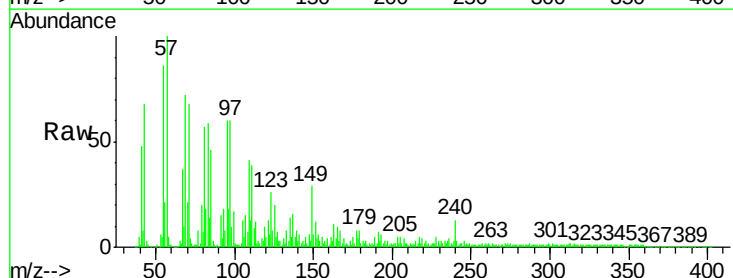
Instrument :
 BNA_F
 ClientSampleId :
 WC-JC

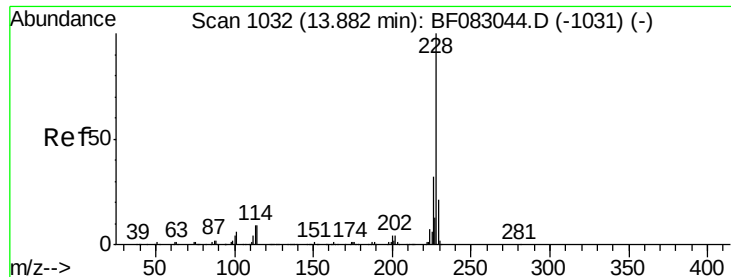
Tot Ion:244 Resp: 804384
 Ion Ratio Lower Upper
 244 100
 212 8.2 6.4 9.6
 122 18.8 10.9 16.3#



#80
 Benzo(a)anthracene
 Concen: 5.99 ng m
 RT: 13.92 min Scan# 1035
 Delta R.T. 0.07 min
 Lab File: BF083074.D
 Acq: 20 Nov 2015 11:22

Tgt Ion:228 Resp: 87636
 Ion Ratio Lower Upper
 228 100
 226 40.5 22.6 34.0#
 229 61.0 16.1 24.1#





#82

Chrysene

Concen: 5.59 ng/mL

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

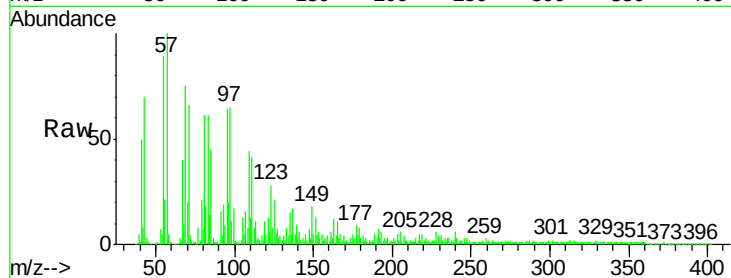
Tot Ion:228 Resp: 74990

Ion Ratio Lower Upper

228 100

226 34.7 25.3 37.9

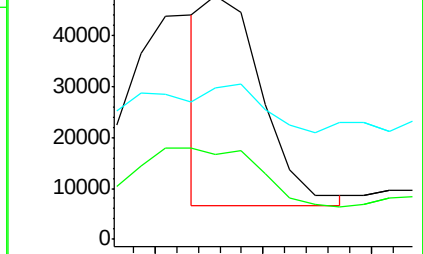
229 62.1 16.4 24.6#



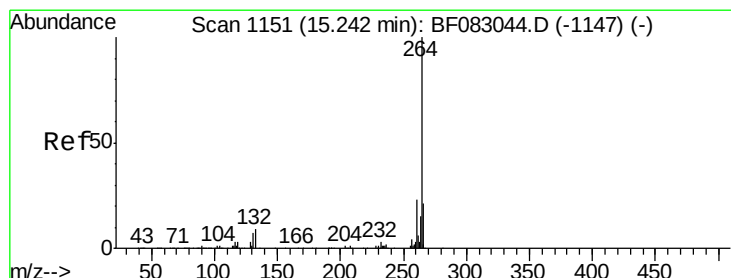
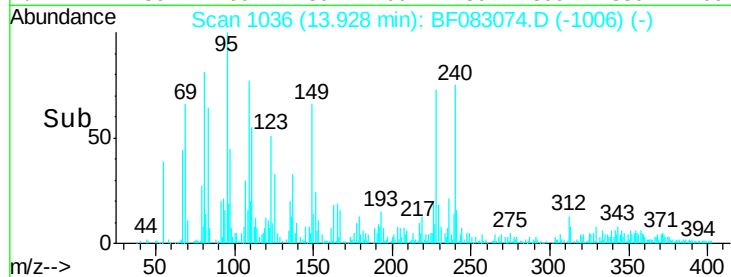
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#86

Perylene-d12

Concen: 20.00 ng/mL

RT: 15.35 min Scan# 1160

Delta R.T. 0.10 min

Lab File: BF083074.D

Acq: 20 Nov 2015 11:22

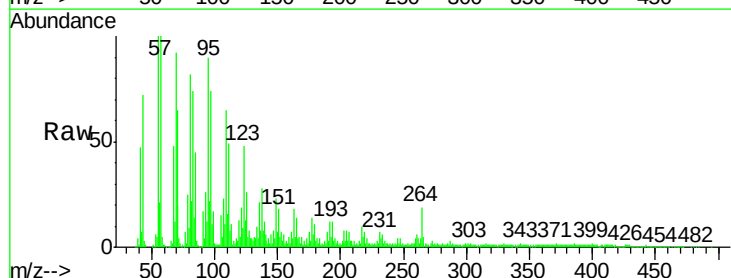
Tgt Ion:264 Resp: 176968

Ion Ratio Lower Upper

264 100

260 29.4 18.6 27.8#

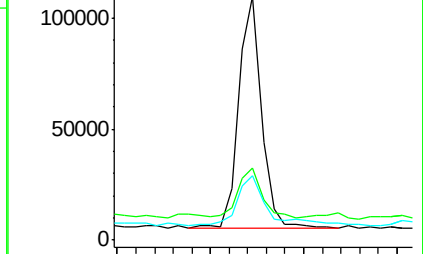
265 26.5 17.0 25.6#



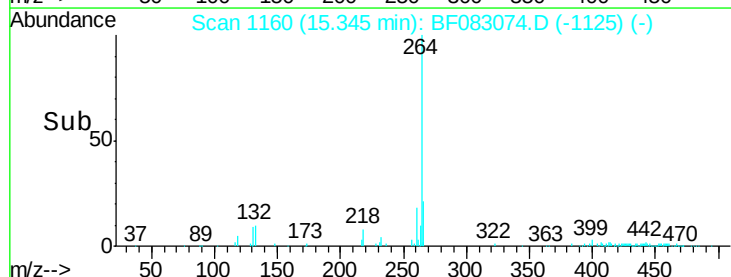
Abundance Ion 264.00 (263.70 to 264.70): E

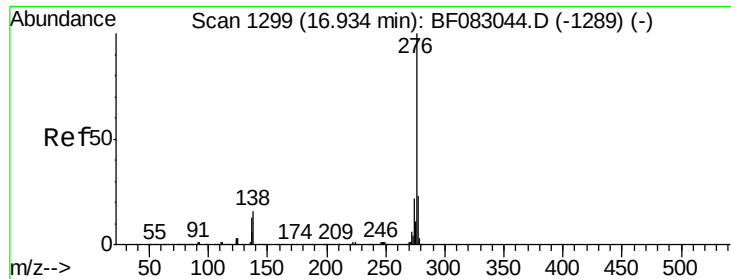
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



Time-->





#91

Benzo(a,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

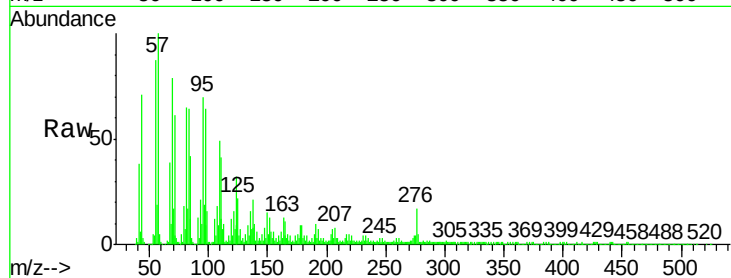
Tot Ion:276 Resp: 132952

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

