

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051815\
 Data File : BF079326.D
 Acq On : 19 May 2015 2:02
 Operator : TP/IZ
 Sample : G2271-15
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-13-D1

Quant Time: May 19 04:10:59 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 19 03:47:03 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.16	152	50444	20.00	ng	0.00
21) Naphthalene-d8	8.74	136	211345	20.00	ng	0.00
38) Acenaphthene-d10	10.91	164	103738	20.00	ng	0.00
63) Phenanthrene-d10	12.75	188	199153	20.00	ng	0.00
75) Chrysene-d12	16.05	240	206333	20.00	ng	-0.01
86) Perylene-d12	17.74	264	205306	20.00	ng	-0.11

System Monitoring Compounds

5) 2-Fluorophenol	5.46	112	348430m	118.90	ng	0.01
7) Phenol-d6	6.74	99	476098	122.91	ng	0.00
23) Nitrobenzene-d5	7.86	82	272634	74.14	ng	0.00
41) 2,4,6-Tribromophenol	11.90	330	141929	126.47	ng	0.00
44) 2-Fluorobiphenyl	10.09	172	543998	73.06	ng	0.00
78) Terphenyl-d14	14.75	244	612267	71.04	ng	0.00

Target Compounds

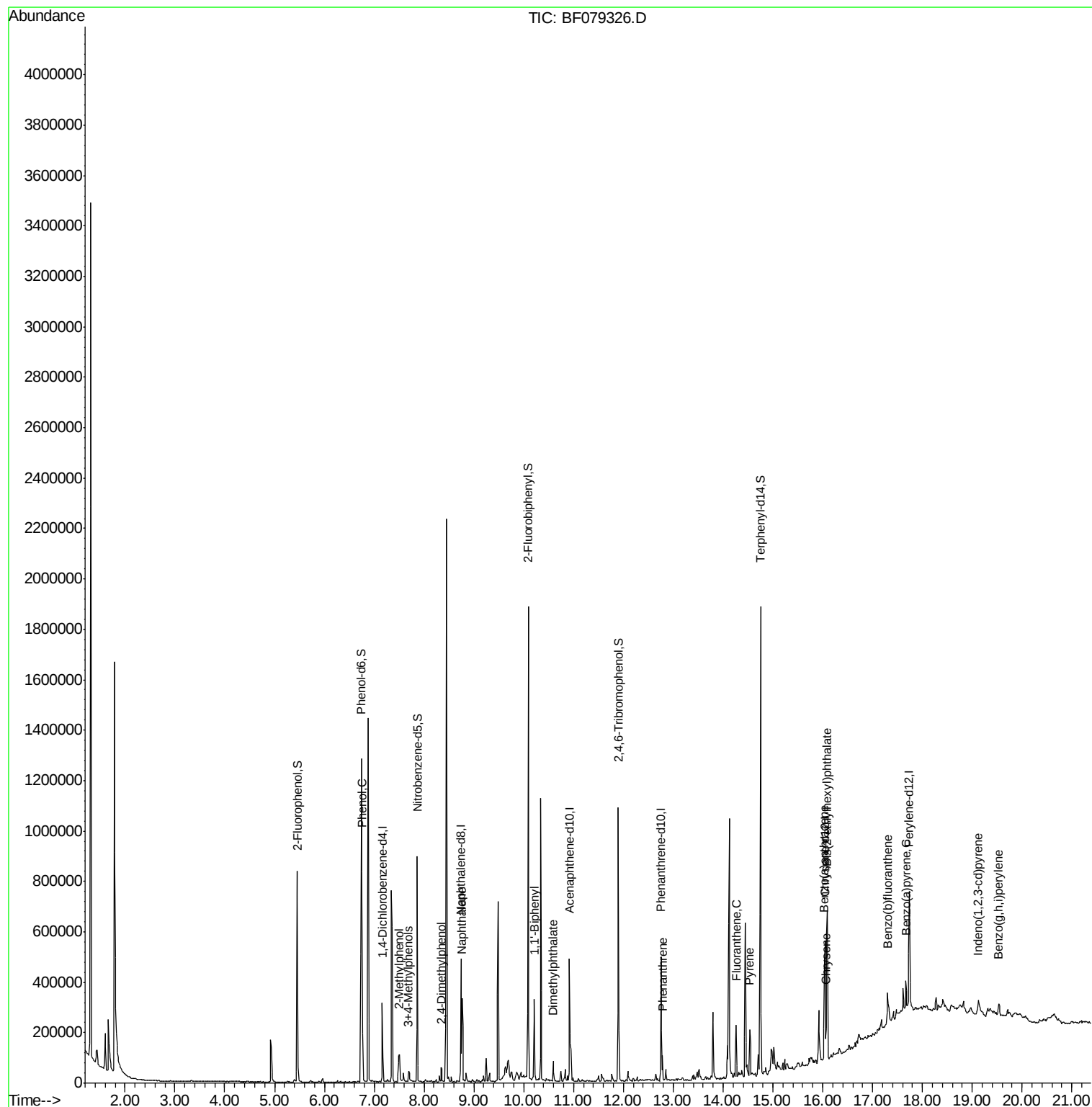
						Qvalue
10) Phenol	6.75	94	242242	53.91	ng	93
17) 2-Methylphenol	7.51	107	28703	10.73	ng	98
20) 3+4-Methylphenols	7.69	107	16699	4.69	ng	# 48
27) 2,4-Dimethylphenol	8.35	122	16081	5.33	ng	97
31) Naphthalene	8.76	128	193474	19.21	ng	99
45) 1,1'-Biphenyl	10.22	154	133915	16.24	ng	98
49) Dimethylphthalate	10.59	163	35672	4.69	ng	100
70) Phenanthrene	12.79	178	41783	3.75	ng	98
74) Fluoranthene	14.26	202	89748	7.73	ng	96
77) Pyrene	14.54	202	96139	8.09	ng	98
80) Benzo(a)anthracene	16.03	228	55580m	4.92	ng	
82) Chrysene	16.07	228	50181	4.62	ng	98
83) Bis(2-ethylhexyl)phthalate	16.09	149	229336	29.13	ng	# 100
85) Indeno(1,2,3-cd)pyrene	19.12	276	36752	2.65	ng	98
87) Benzo(b)fluoranthene	17.30	252	79577m	7.08	ng	
89) Benzo(a)pyrene	17.67	252	55750	5.39	ng	# 91
91) Benzo(a,h,i)perylene	19.53	276	38456	3.49	ng	# 87

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

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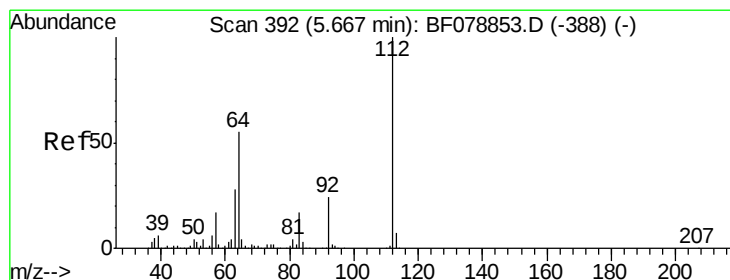
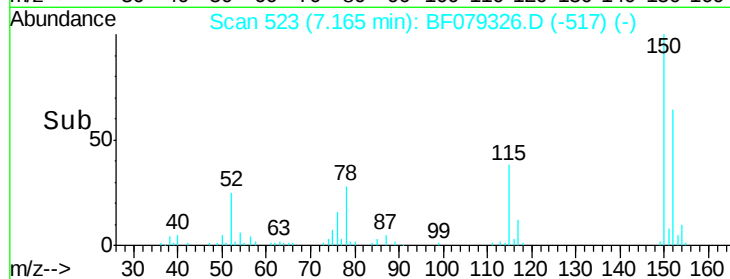
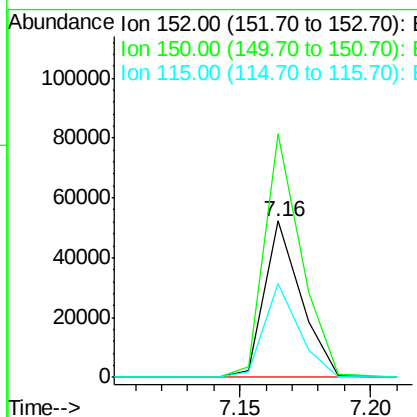
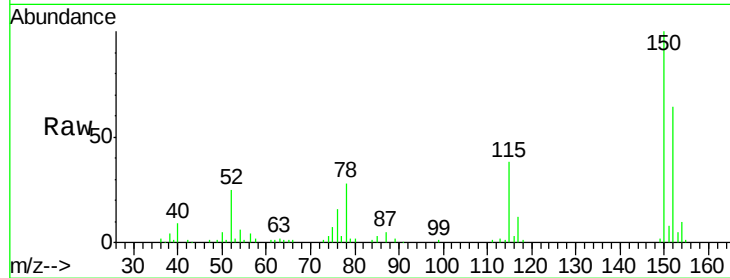




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.16 min Scan# 523
 Delta R.T. 0.00 min
 Lab File: BF079326.D
 Acq: 19 May 2015 2:02

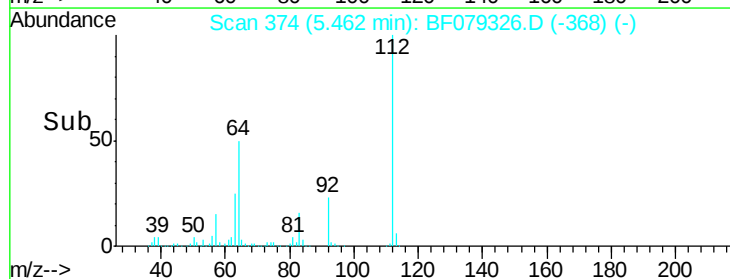
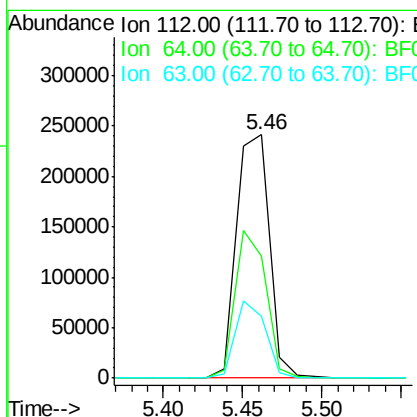
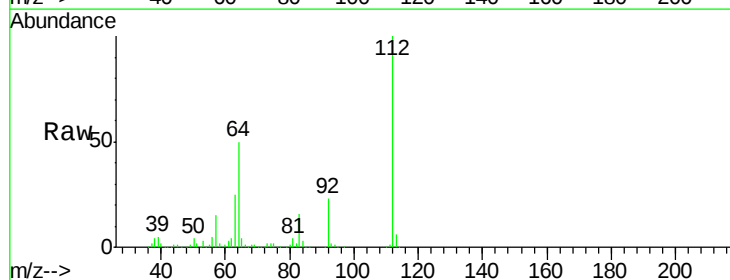
Instrument :
 BNA_F
 ClientSampleId :
 WC-13-D1

Tot Ion:152 Resp: 50444
 Ion Ratio Lower Upper
 152 100
 150 155.9 123.8 185.8
 115 59.9 49.4 74.0



#5
 2-Fluorophenol
 Concen: 118.90 ng m
 RT: 5.46 min Scan# 374
 Delta R.T. 0.01 min
 Lab File: BF079326.D
 Acq: 19 May 2015 2:02

Tgt Ion:112 Resp: 348430
 Ion Ratio Lower Upper
 112 100
 64 50.1 44.2 66.2
 63 25.4 22.7 34.1





#7

Phenol-d6

Concen: 122.91 ng

RT: 6.74 min Scan# 486

Delta R.T. 0.00 min

Lab File: BF079326.D

Acq: 19 May 2015 2:02

Instrument :

BNA_F

ClientSampleId :

WC-13-D1

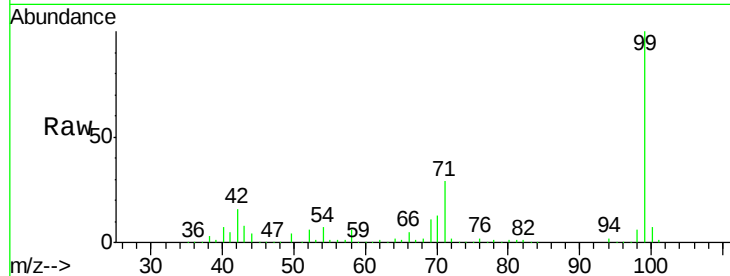
Tot Ion: 99 Resp: 476098

Ion Ratio Lower Upper

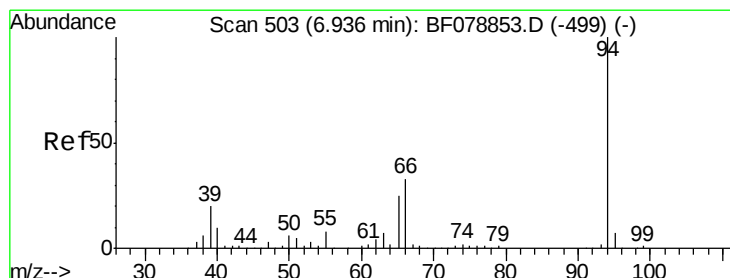
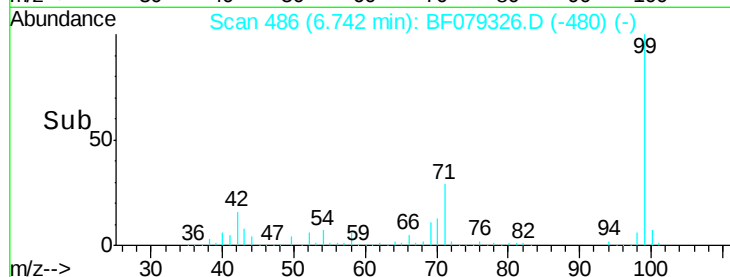
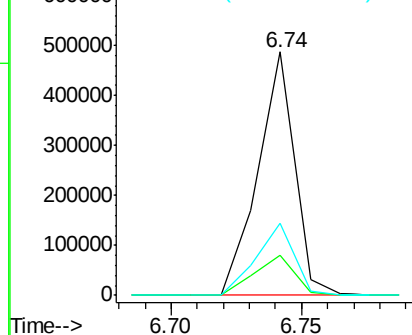
99 100

42 16.3 17.1 25.7#

71 29.5 26.3 39.5



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



#10

Phenol

Concen: 53.91 ng

RT: 6.75 min Scan# 487

Delta R.T. 0.00 min

Lab File: BF079326.D

Acq: 19 May 2015 2:02

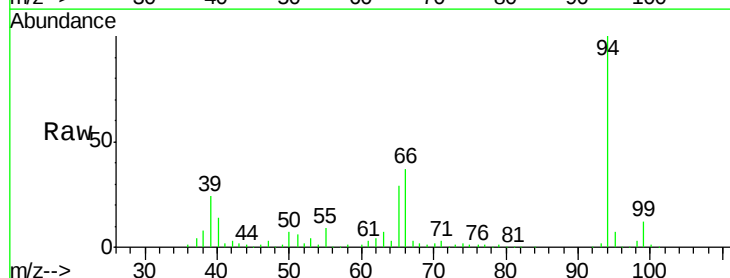
Tgt Ion: 94 Resp: 242242

Ion Ratio Lower Upper

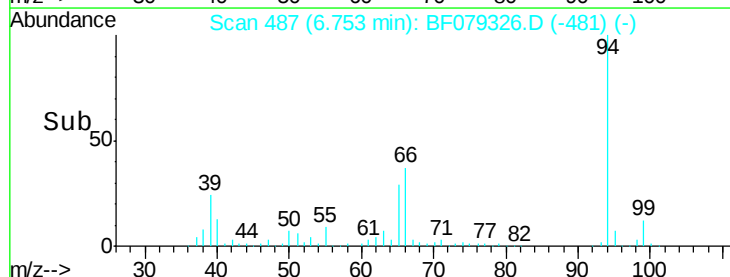
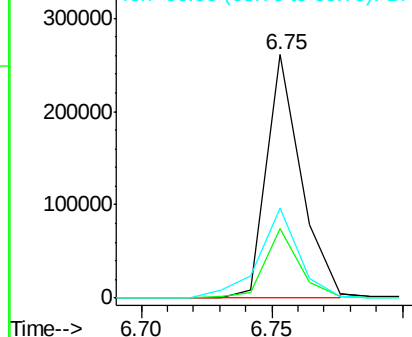
94 100

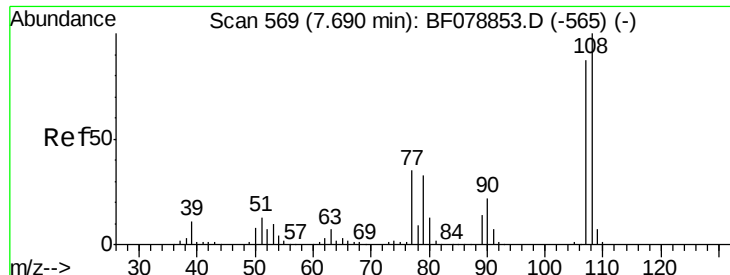
65 28.6 5.1 45.1

66 37.2 13.1 53.1



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0

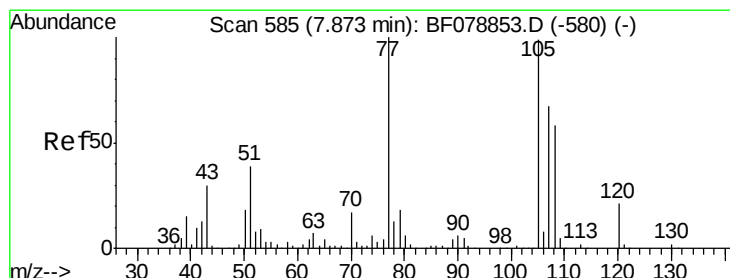
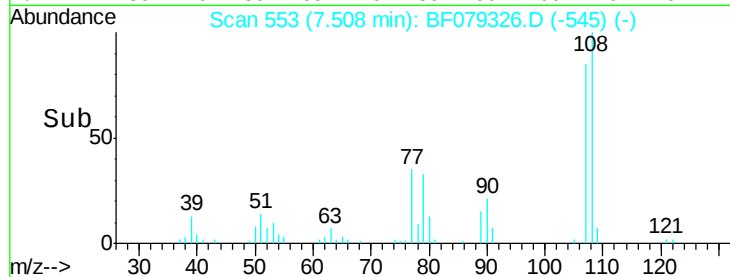
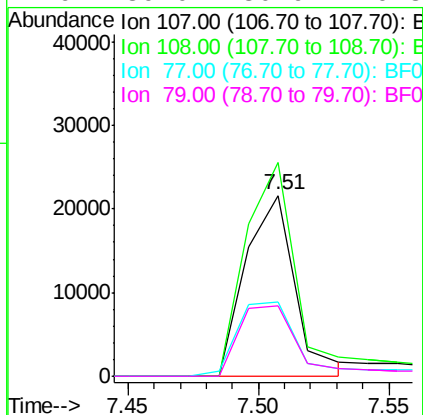
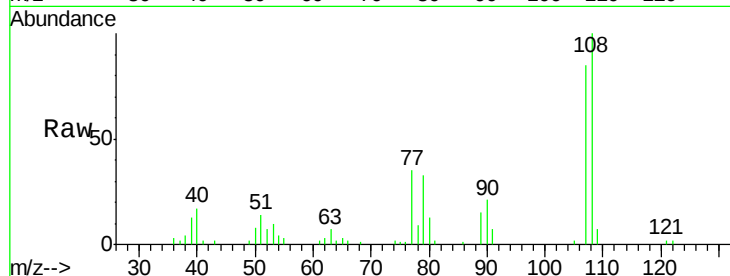




#17
2-Methylphenol
Concen: 10.73 ng
RT: 7.51 min Scan# 553
Delta R.T. 0.01 min
Lab File: BF079326.D
Acq: 19 May 2015 2:02

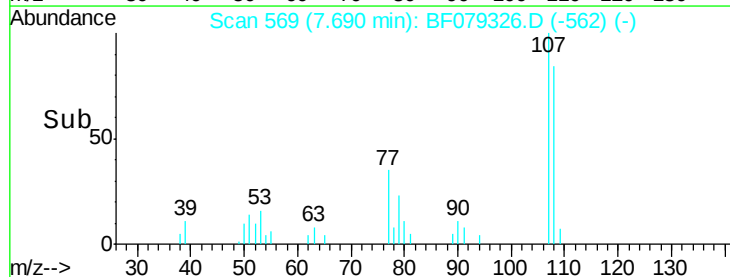
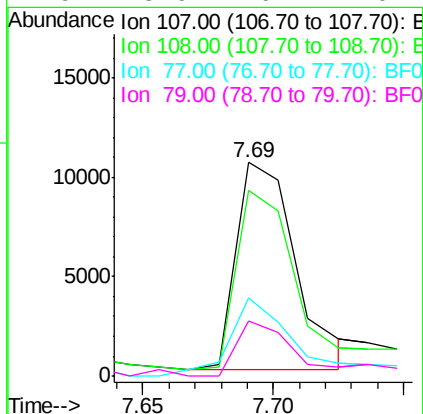
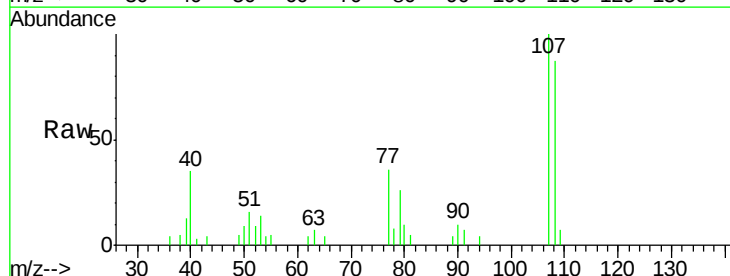
Instrument :
BNA_F
ClientSampleId :
WC-13-D1

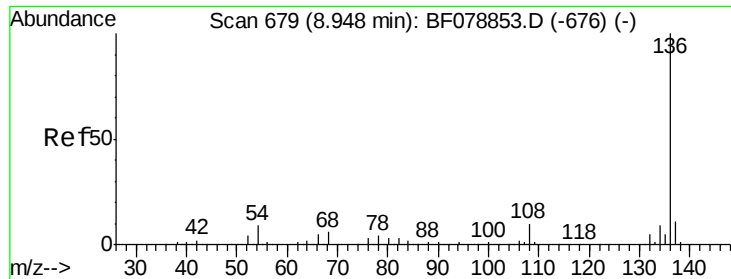
Tot Ion:	107	Resp:	28703
Ion	Ratio	Lower	Upper
107	100		
108	118.1	92.4	138.6
77	41.3	32.6	49.0
79	39.0	30.9	46.3



#20
3+4-Methylphenols
Concen: 4.69 ng
RT: 7.69 min Scan# 569
Delta R.T. 0.00 min
Lab File: BF079326.D
Acq: 19 May 2015 2:02

Tgt Ion:	107	Resp:	16699
Ion	Ratio	Lower	Upper
107	100		
108	86.9	66.5	106.5
77	36.3	130.6	170.6#
79	25.9	6.4	46.4

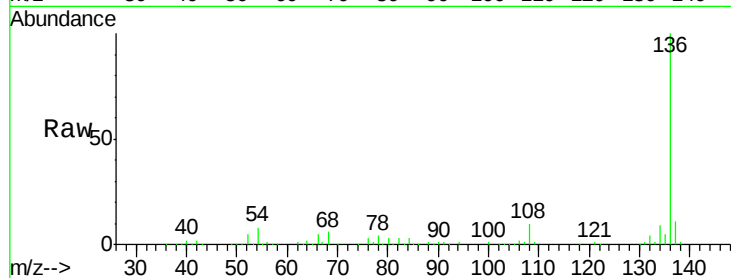




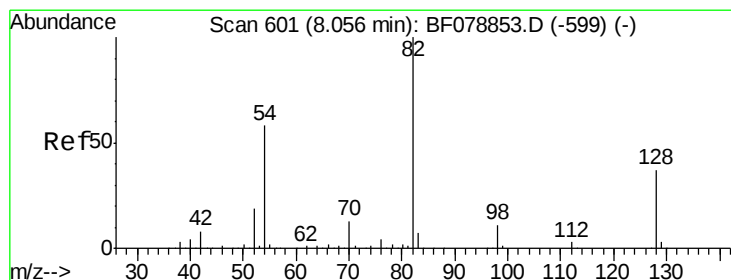
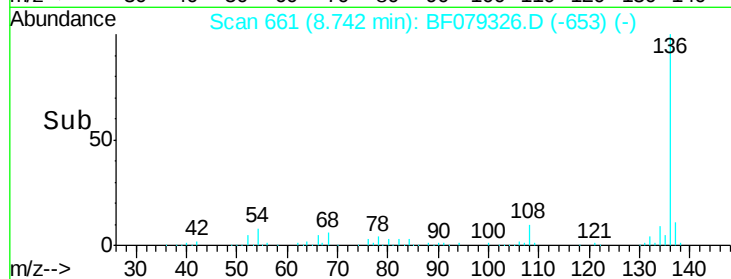
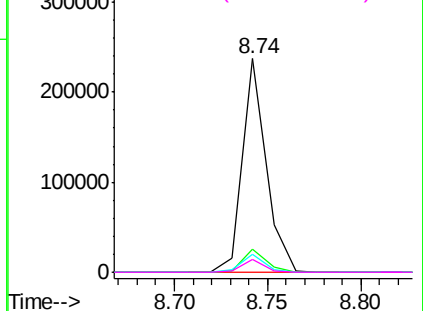
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.74 min Scan# 661
Delta R.T. 0.00 min
Lab File: BF079326.D
Acq: 19 May 2015 2:02

Instrument :
BNA_F
ClientSampleId :
WC-13-D1

Tot Ion:136	Resp:	211345
Ion Ratio	Lower	Upper
136	100	
137	10.8	8.8 13.2
54	8.3	6.9 10.3
68	6.3	4.9 7.3

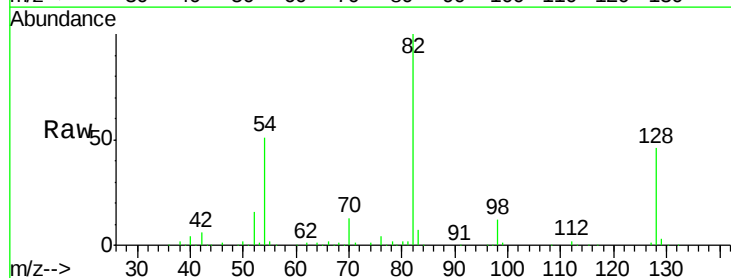


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

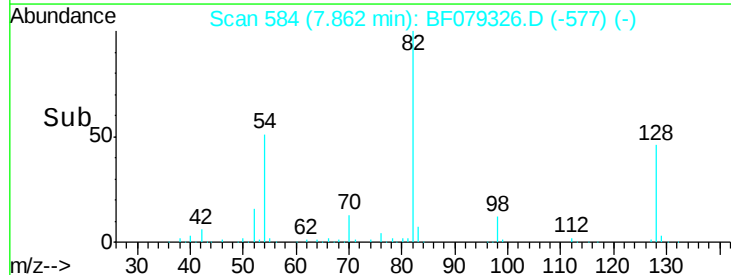
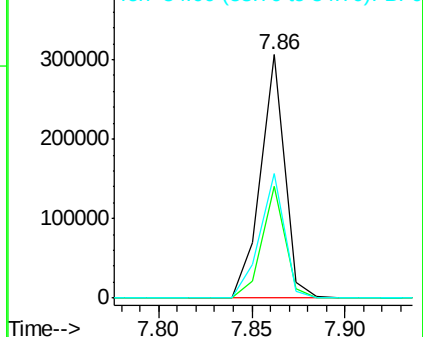


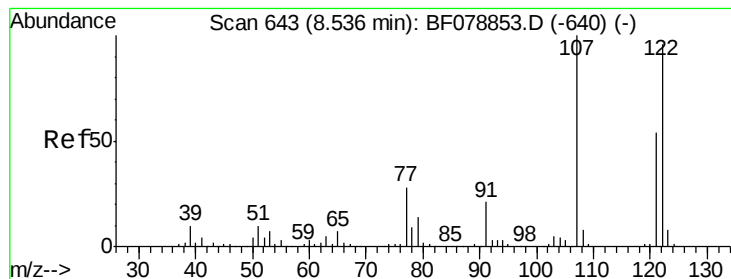
#23
Nitrobenzene-d5
Concen: 74.14 ng
RT: 7.86 min Scan# 584
Delta R.T. 0.00 min
Lab File: BF079326.D
Acq: 19 May 2015 2:02

Tgt Ion: 82	Resp:	272634
Ion Ratio	Lower	Upper
82	100	
128	45.7	29.7 44.5#
54	51.3	46.2 69.4



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

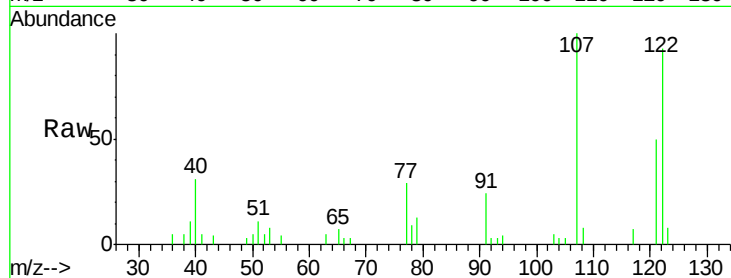




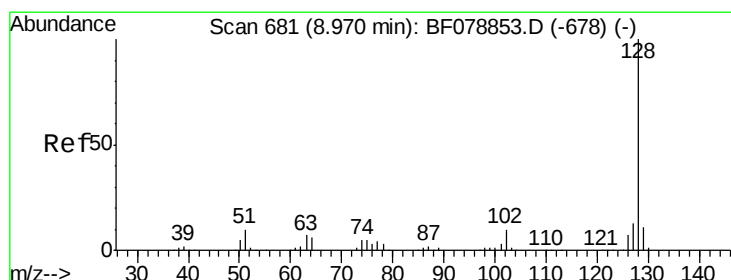
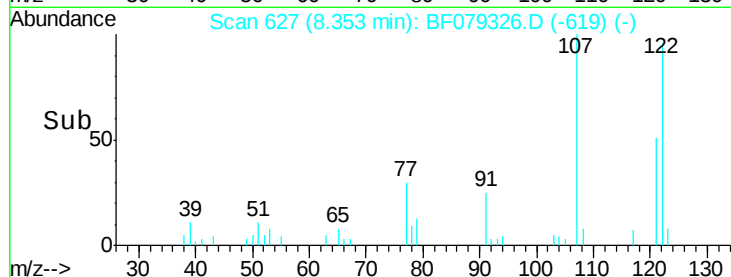
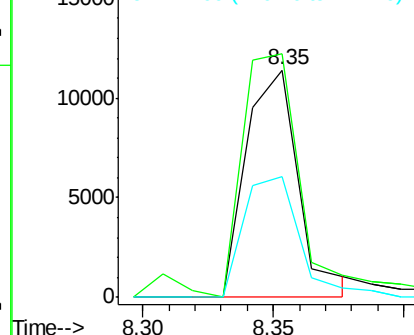
#27
 2,4-Dimethylphenol
 Concen: 5.33 ng
 RT: 8.35 min Scan# 627
 Delta R.T. 0.01 min
 Lab File: BF079326.D
 Acq: 19 May 2015 2:02

Instrument :
 BNA_F
 ClientSampleId :
 WC-13-D1

Tot Ion:122 Resp: 16081
 Ion Ratio Lower Upper
 122 100
 107 107.0 83.6 125.4
 121 53.0 44.9 67.3

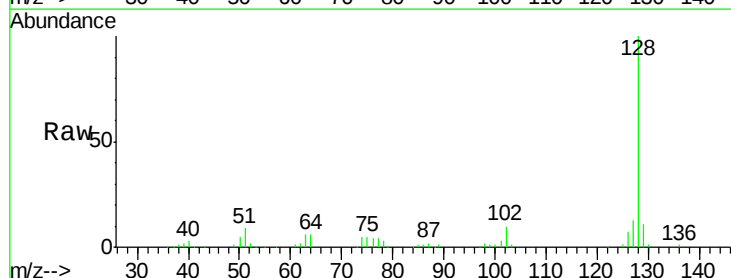


Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 107.00 (106.70 to 107.70): E
 Ion 121.00 (120.70 to 121.70): E

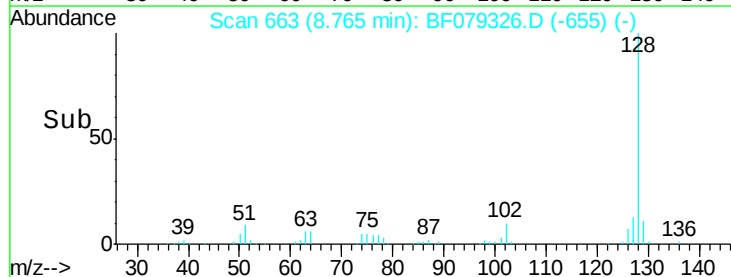
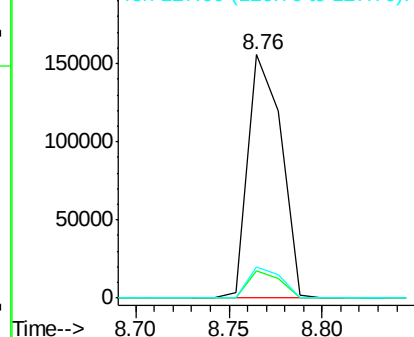


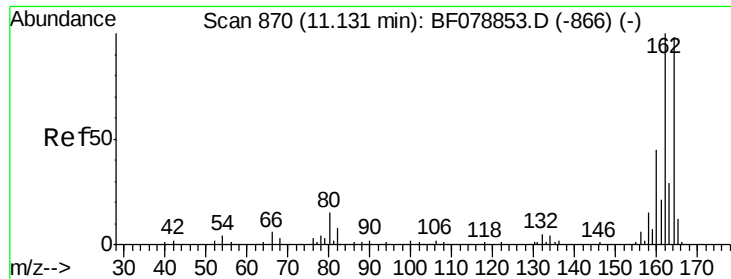
#31
 Naphthalene
 Concen: 19.21 ng
 RT: 8.76 min Scan# 663
 Delta R.T. 0.00 min
 Lab File: BF079326.D
 Acq: 19 May 2015 2:02

Tgt Ion:128 Resp: 193474
 Ion Ratio Lower Upper
 128 100
 129 11.1 9.2 13.8
 127 12.7 10.3 15.5



Abundance Ion 128.00 (127.70 to 128.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 127.00 (126.70 to 127.70): E

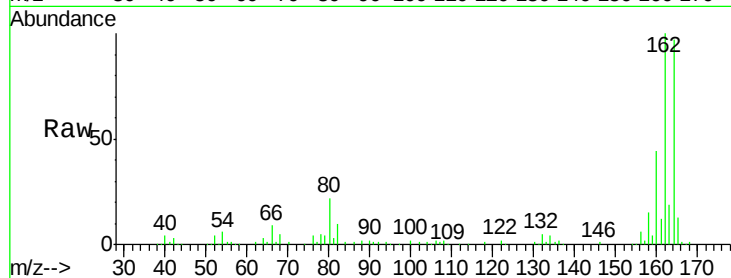




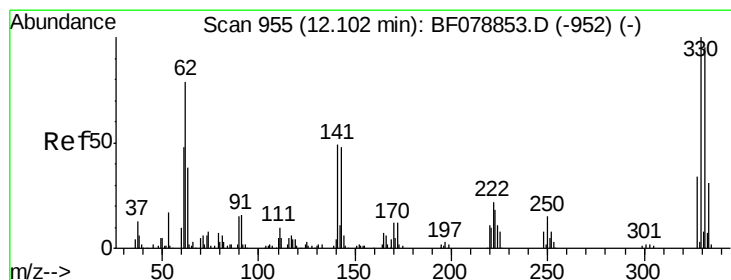
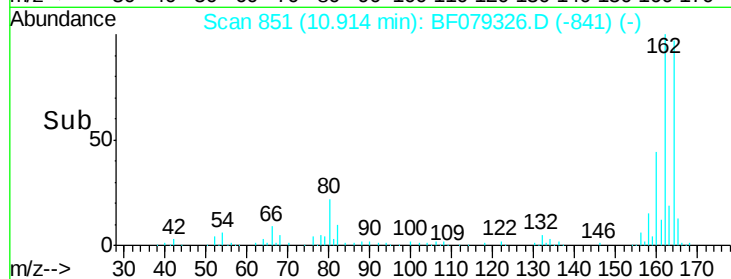
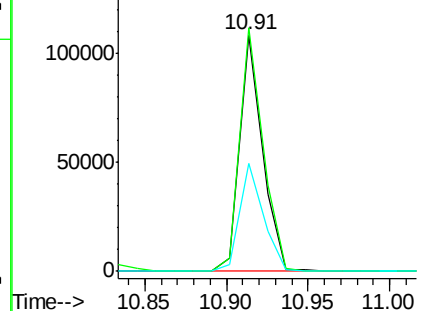
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.91 min Scan# 851
 Delta R.T. 0.00 min
 Lab File: BF079326.D
 Acq: 19 May 2015 2:02

Instrument :
 BNA_F
 ClientSampleId :
 WC-13-D1

Tot Ion:164 Resp: 103738
 Ion Ratio Lower Upper
 164 100
 162 103.0 81.4 122.0
 160 45.4 36.6 54.8

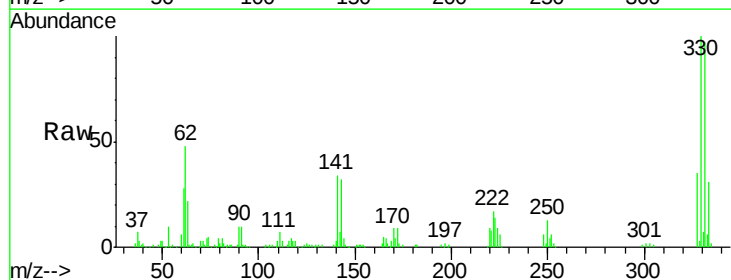


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

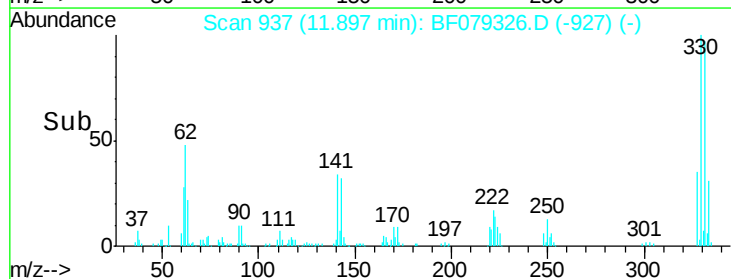
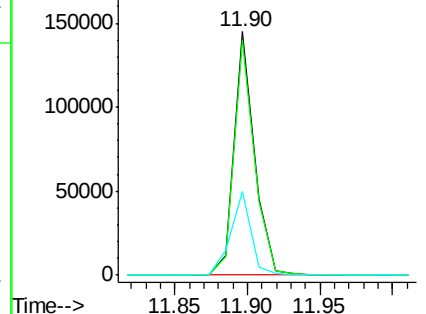


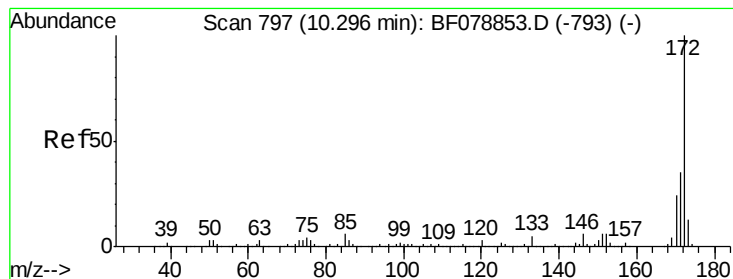
#41
 2,4,6-Tribromophenol
 Concen: 126.47 ng
 RT: 11.90 min Scan# 937
 Delta R.T. 0.00 min
 Lab File: BF079326.D
 Acq: 19 May 2015 2:02

Tgt Ion:330 Resp: 141929
 Ion Ratio Lower Upper
 330 100
 332 96.1 76.9 115.3
 141 34.3 27.8 41.8



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: 73.06 ng

RT: 10.09 min Scan# 779

Delta R.T. 0.00 min

Lab File: BF079326.D

Acq: 19 May 2015 2:02

Instrument :

BNA_F

ClientSampleId :

WC-13-D1

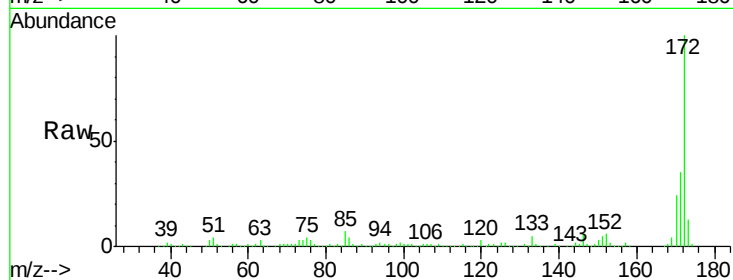
Tot Ion:172 Resp: 543998

Ion Ratio Lower Upper

172 100

171 34.6 28.3 42.5

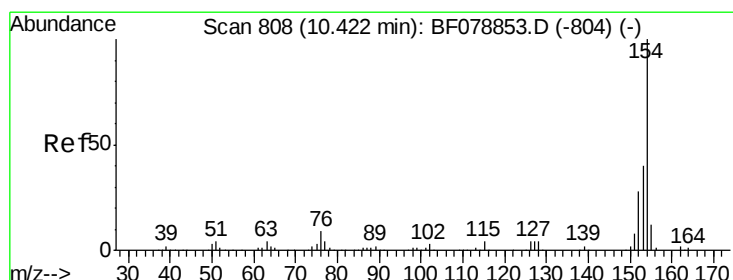
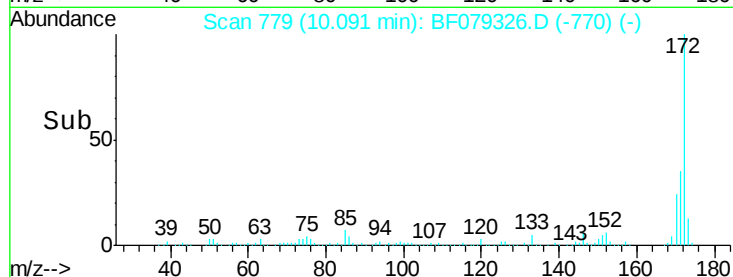
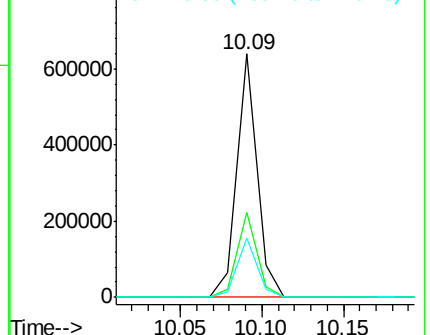
170 24.1 19.4 29.2



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



#45

1,1'-Biphenyl

Concen: 16.24 ng

RT: 10.22 min Scan# 790

Delta R.T. 0.00 min

Lab File: BF079326.D

Acq: 19 May 2015 2:02

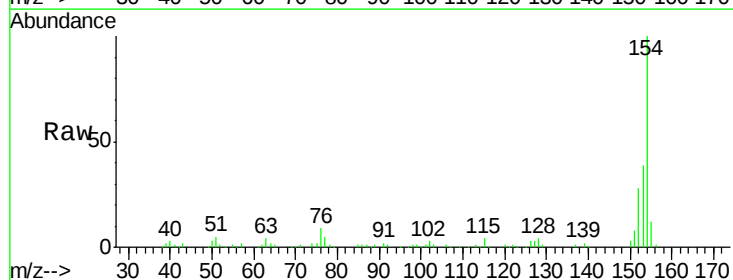
Tgt Ion:154 Resp: 133915

Ion Ratio Lower Upper

154 100

153 38.5 19.7 59.7

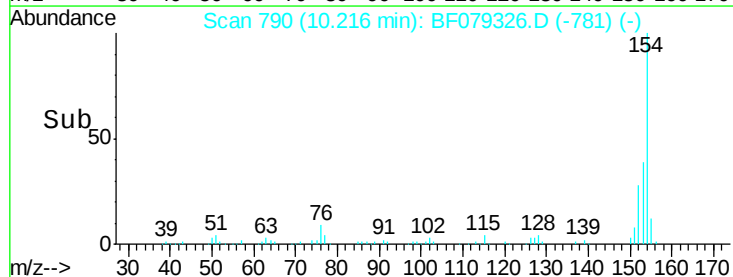
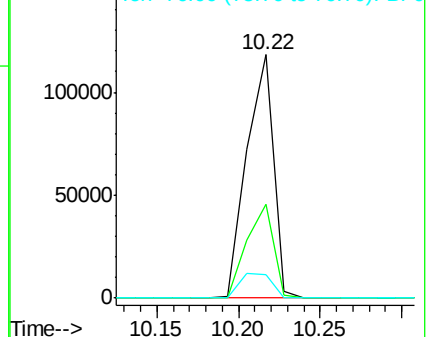
76 9.4 0.0 29.1

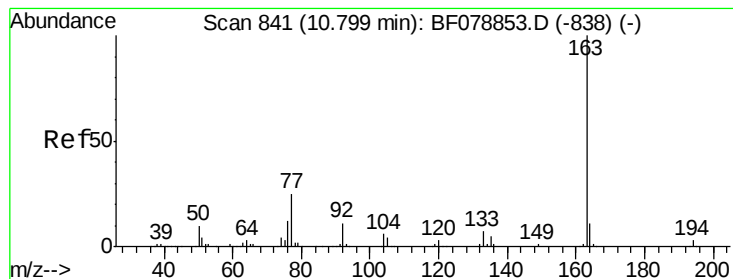


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0





#49

Dimethylphthalate

Concen: 4.69 ng

RT: 10.59 min Scan# 823

Delta R.T. -0.01 min

Lab File: BF079326.D

Acq: 19 May 2015 2:02

Instrument :

BNA_F

ClientSampleId :

WC-13-D1

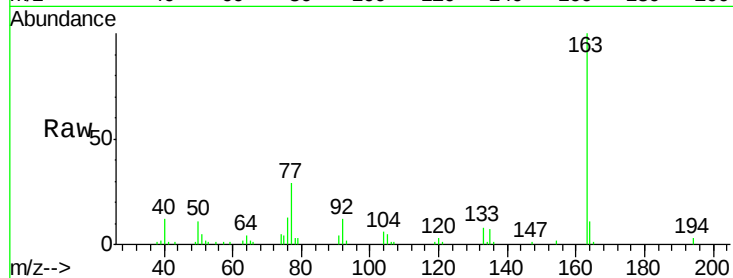
Tot Ion:163 Resp: 35672

Ion Ratio Lower Upper

163 100

194 3.2 2.4 3.6

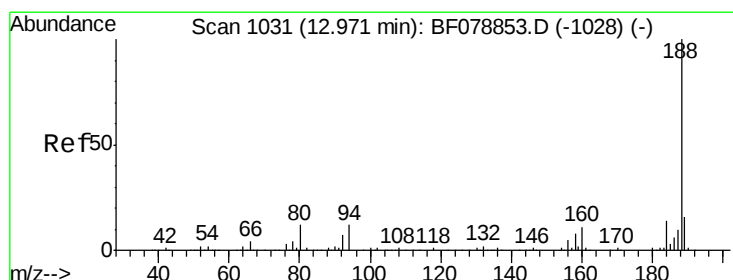
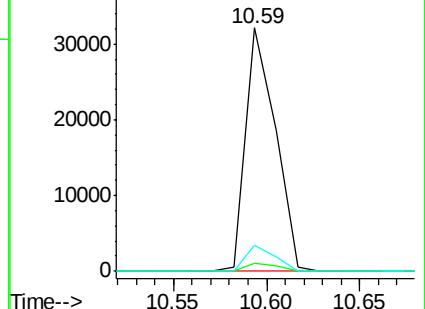
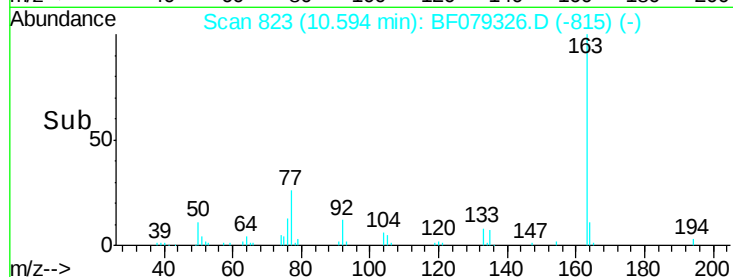
164 10.7 8.6 12.8



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: 12.75 min Scan# 1012

Delta R.T. 0.00 min

Lab File: BF079326.D

Acq: 19 May 2015 2:02

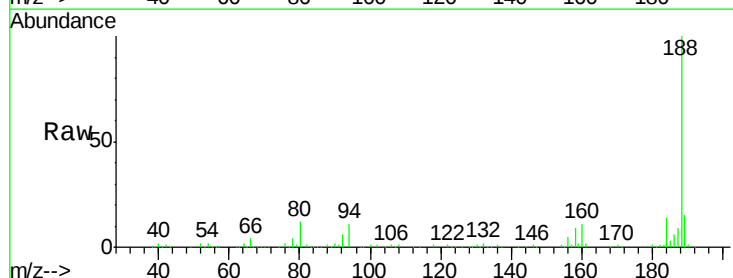
Tgt Ion:188 Resp: 199153

Ion Ratio Lower Upper

188 100

94 11.4 9.4 14.0

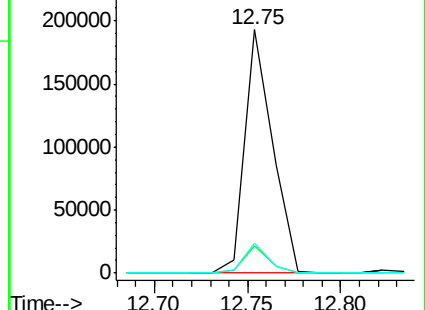
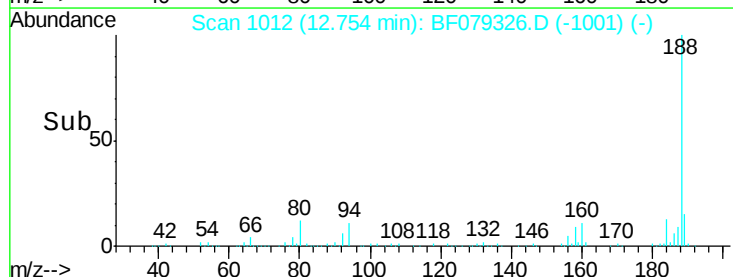
80 12.2 9.8 14.6

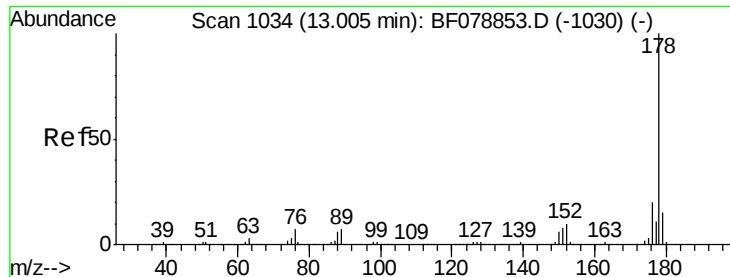


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

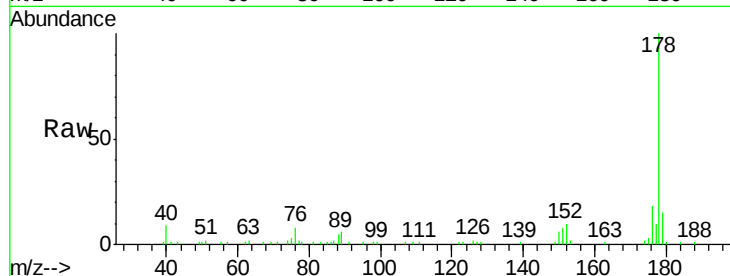




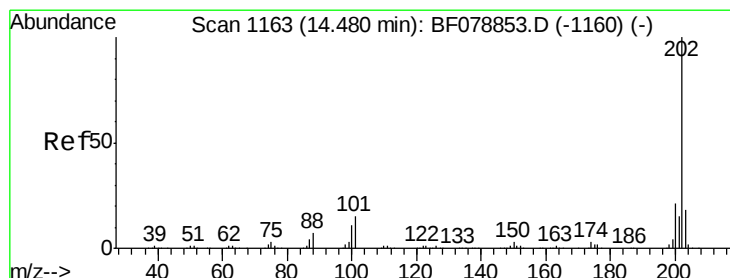
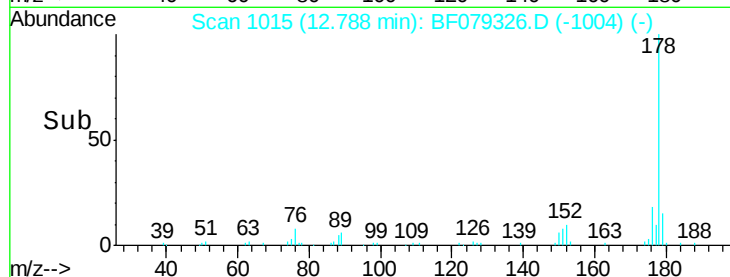
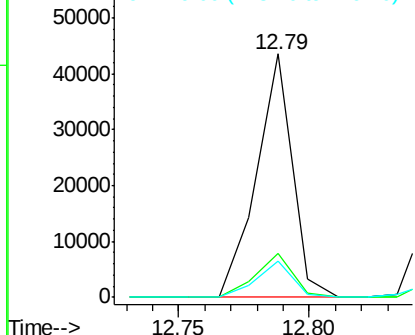
#70
Phenanthrene
Concen: 3.75 ng
RT: 12.79 min Scan# 1015
Delta R.T. 0.00 min
Lab File: BF079326.D
Acq: 19 May 2015 2:02

Instrument :
BNA_F
ClientSampleId :
WC-13-D1

Tot Ion:178 Resp: 41783
Ion Ratio Lower Upper
178 100
176 18.2 15.9 23.9
179 15.0 12.2 18.4

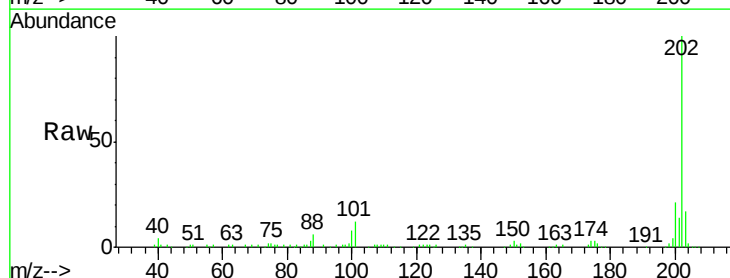


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

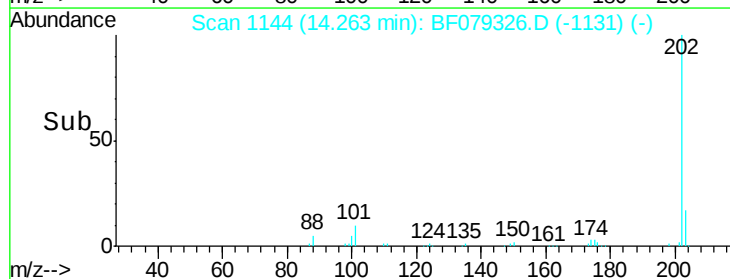
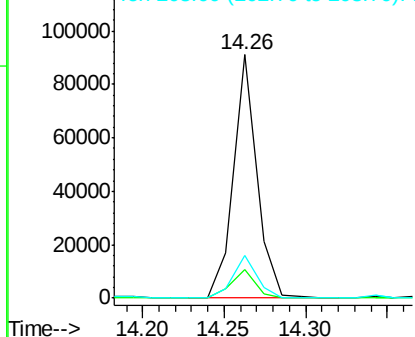


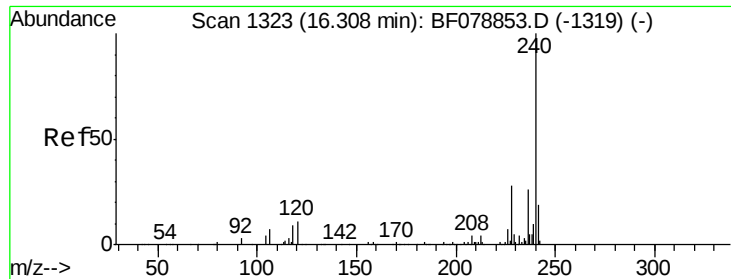
#74
Fluoranthene
Concen: 7.73 ng
RT: 14.26 min Scan# 1144
Delta R.T. 0.00 min
Lab File: BF079326.D
Acq: 19 May 2015 2:02

Tgt Ion:202 Resp: 89748
Ion Ratio Lower Upper
202 100
101 11.5 0.0 34.7
203 17.4 0.0 37.9



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

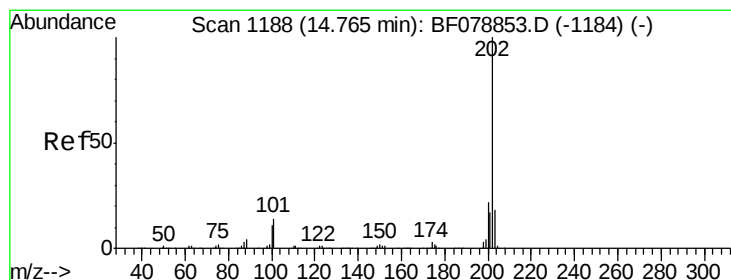
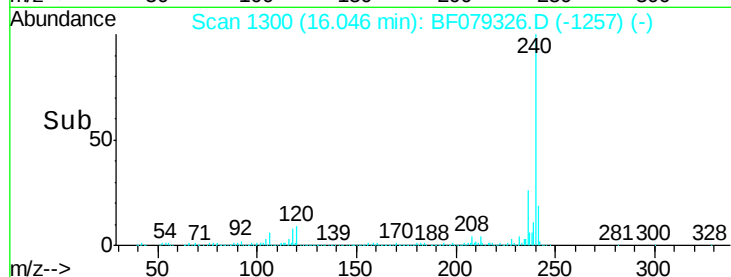
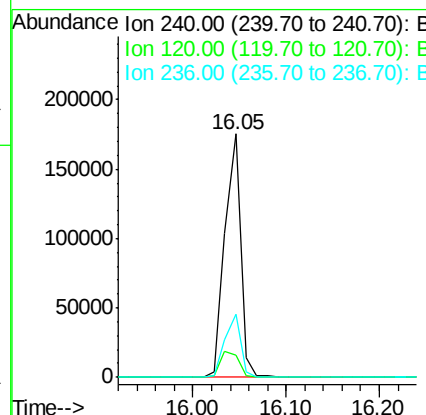
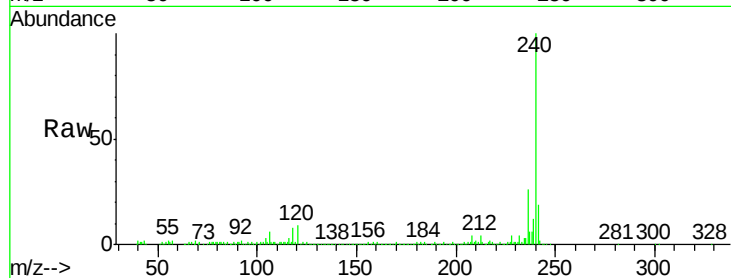




#75
Chrysene-d12
Concen: 20.00 ng
RT: 16.05 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BF079326.D
Acq: 19 May 2015 2:02

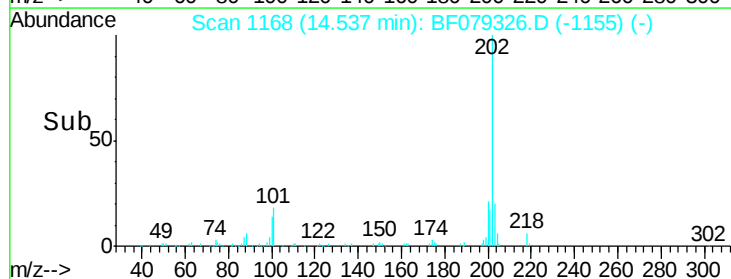
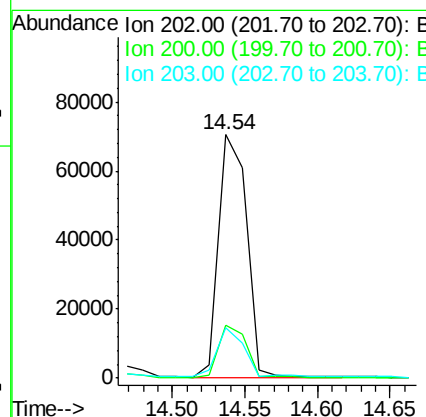
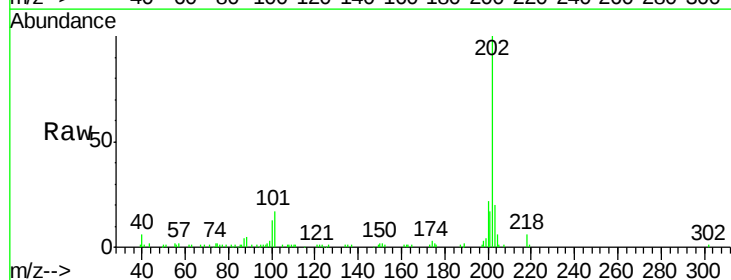
Instrument :
BNA_F
ClientSampleId :
WC-13-D1

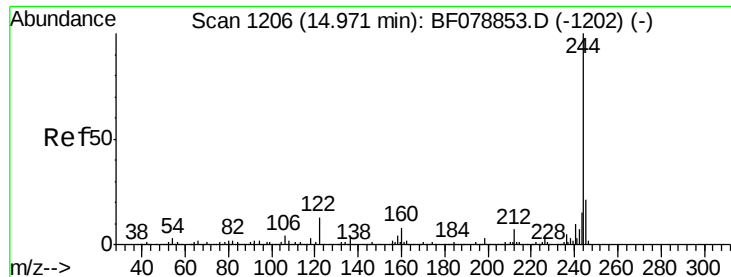
Tot Ion:240 Resp: 206333
Ion Ratio Lower Upper
240 100
120 9.2 8.6 12.8
236 26.1 21.0 31.6



#77
Pyrene
Concen: 8.09 ng
RT: 14.54 min Scan# 1168
Delta R.T. 0.00 min
Lab File: BF079326.D
Acq: 19 May 2015 2:02

Tgt Ion:202 Resp: 96139
Ion Ratio Lower Upper
202 100
200 21.5 17.5 26.3
203 20.4 14.7 22.1





#78

Terphenyl-d14

Concen: 71.04 ng

RT: 14.75 min Scan# 1187

Delta R.T. 0.00 min

Lab File: BF079326.D

Acq: 19 May 2015 2:02

Instrument :

BNA_F

ClientSampleId :

WC-13-D1

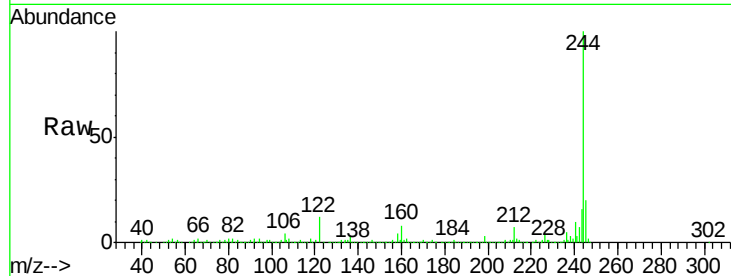
Tot Ion:244 Resp: 612267

Ion Ratio Lower Upper

244 100

212 6.9 5.6 8.4

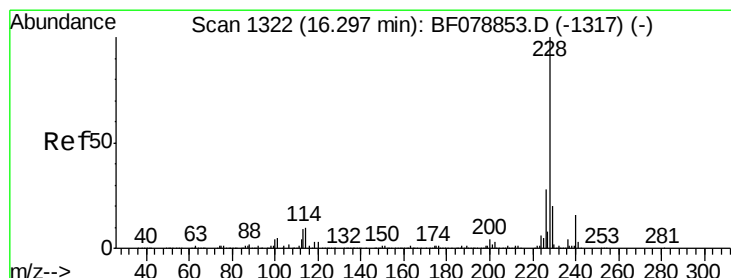
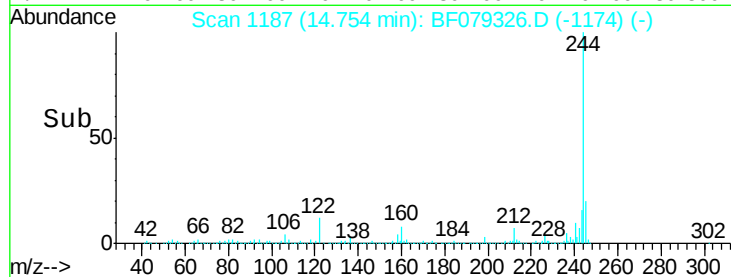
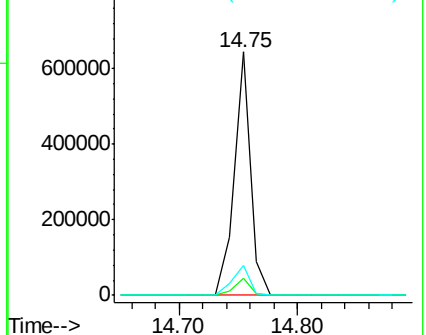
122 12.2 10.5 15.7



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 4.92 ng m

RT: 16.03 min Scan# 1299

Delta R.T. -0.01 min

Lab File: BF079326.D

Acq: 19 May 2015 2:02

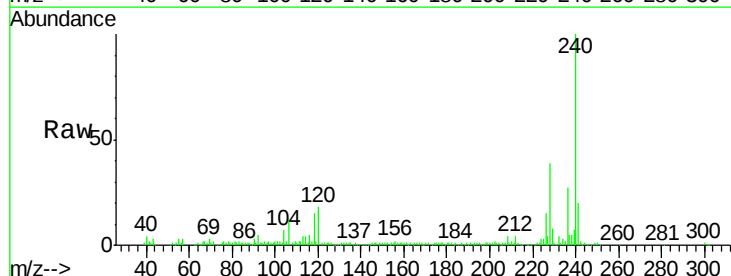
Tgt Ion:228 Resp: 55580

Ion Ratio Lower Upper

228 100

226 37.9 22.3 33.5#

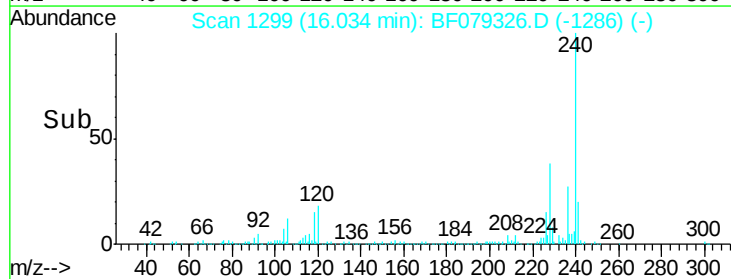
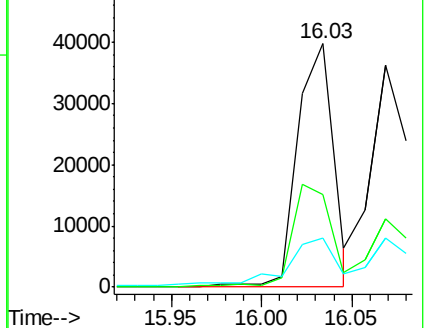
229 20.4 16.1 24.1

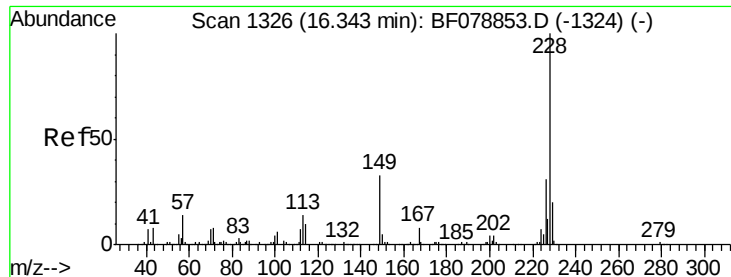


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 4.62 ng

RT: 16.07 min Scan# 1302

Delta R.T. -0.02 min

Lab File: BF079326.D

Acq: 19 May 2015 2:02

Instrument :

BNA_F

ClientSampleId :

WC-13-D1

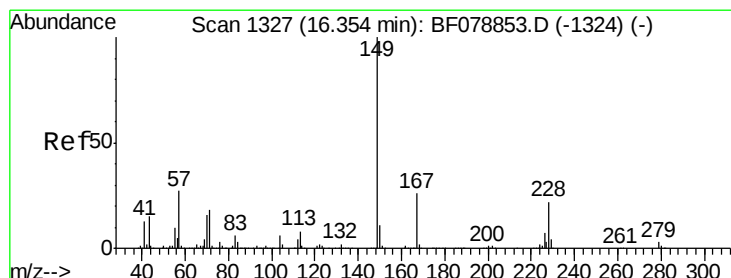
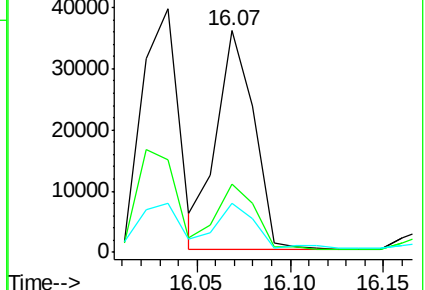
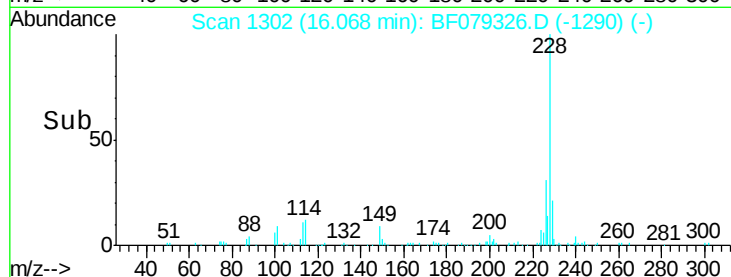
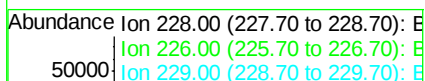
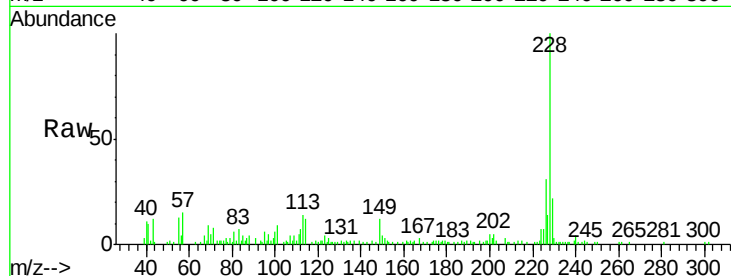
Tot Ion:228 Resp: 50181

Ion Ratio Lower Upper

228 100

226 31.1 24.8 37.2

229 22.2 16.1 24.1



#83

Bis(2-ethylhexyl)phthalate

Concen: 29.13 ng

RT: 16.09 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF079326.D

Acq: 19 May 2015 2:02

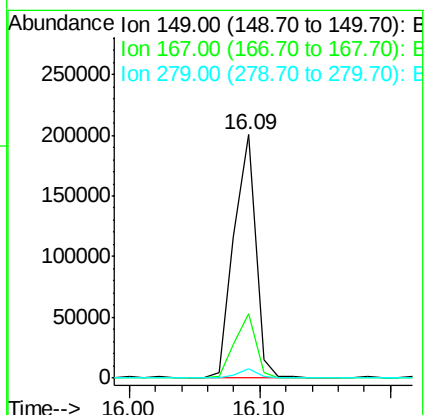
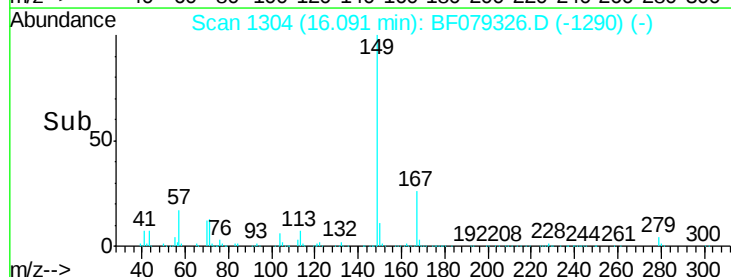
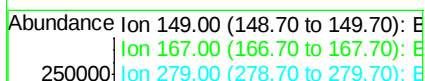
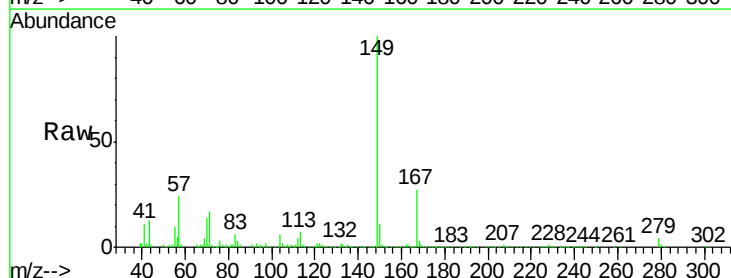
Tgt Ion:149 Resp: 229336

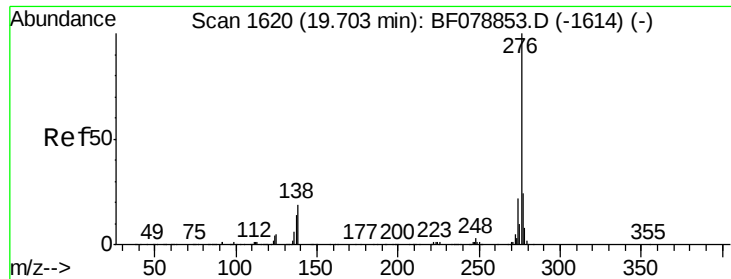
Ion Ratio Lower Upper

149 100

167 26.6 21.2 31.8

279 4.0 2.6 4.0#

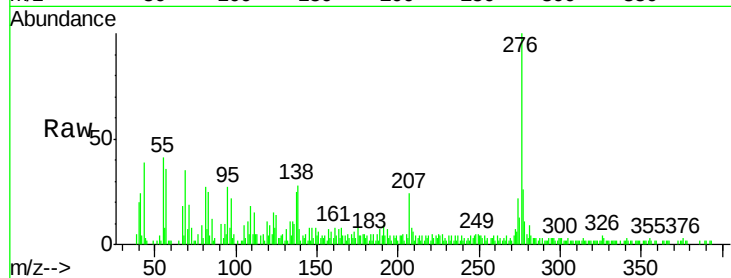




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.65 ng
 RT: 19.12 min Scan# 1569
 Delta R.T. -0.15 min
 Lab File: BF079326.D
 Acq: 19 May 2015 2:02

Instrument :
 BNA_F
 ClientSampled :
 WC-13-D1

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.2	21.1	31.7
277	24.7	19.9	29.9

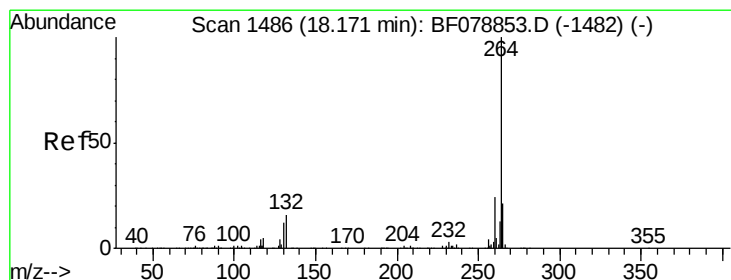
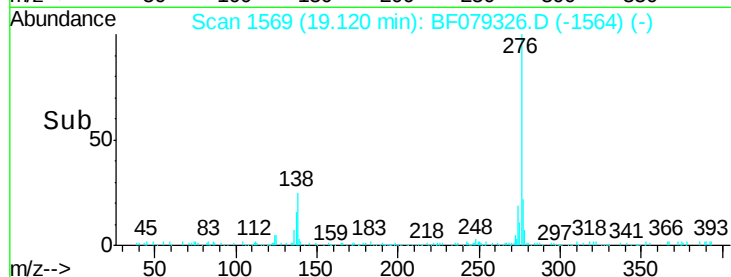
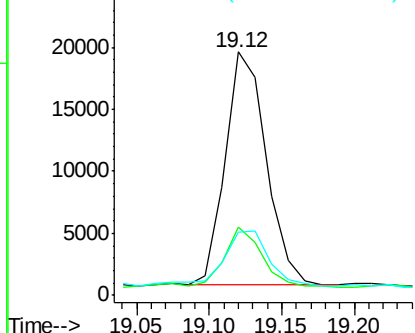


Abundance

Ion 276.00 (275.70 to 276.70): E

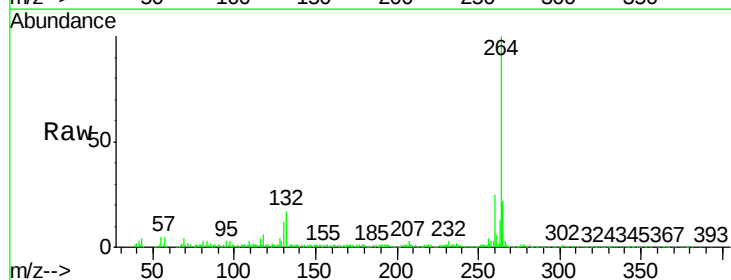
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.74 min Scan# 1448
 Delta R.T. -0.11 min
 Lab File: BF079326.D
 Acq: 19 May 2015 2:02

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.2	28.8
265	22.3	17.2	25.8

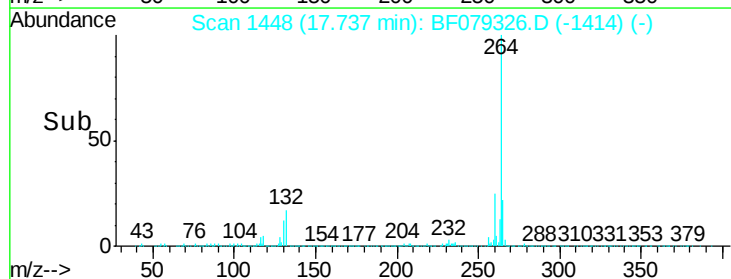
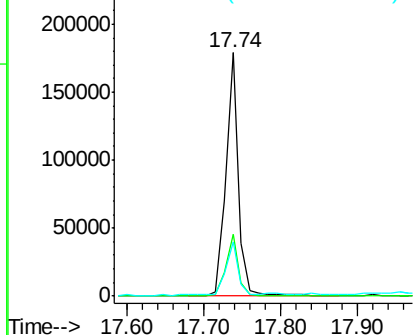


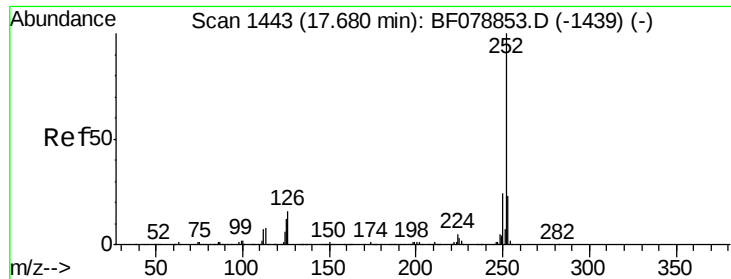
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

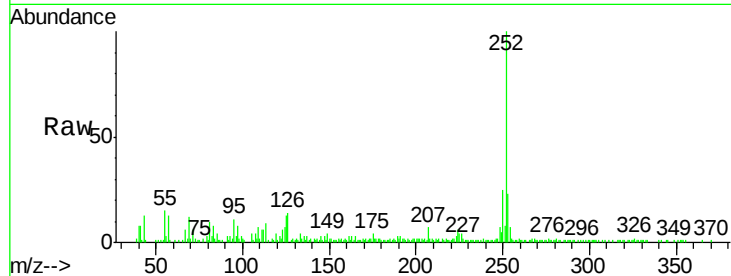




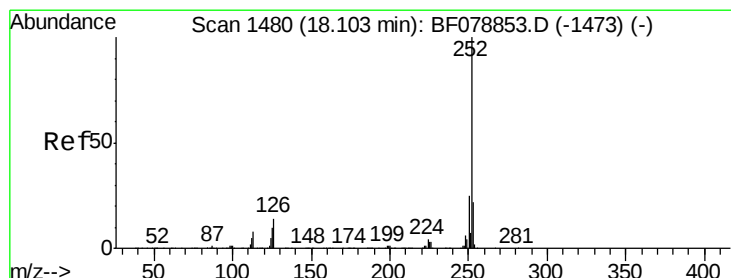
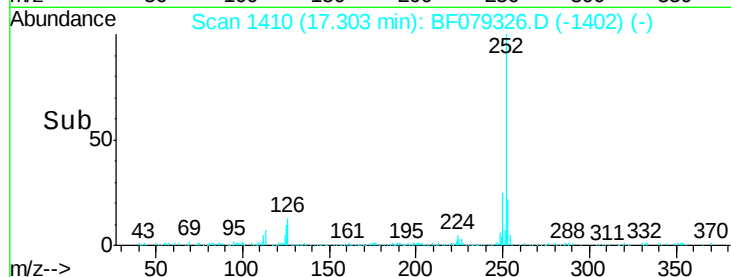
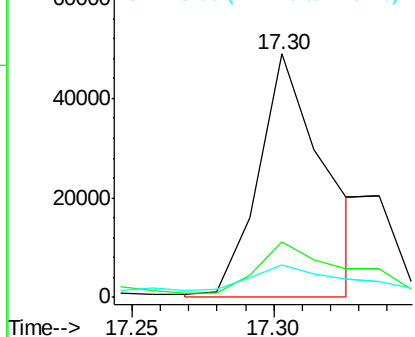
#87
Benzo(b)fluoranthene
Concen: 7.08 ng m
RT: 17.30 min Scan# 1410
Delta R.T. -0.09 min
Lab File: BF079326.D
Acq: 19 May 2015 2:02

Instrument :
BNA_F
ClientSampleId :
WC-13-D1

Tot Ion:252 Resp: 79577
Ion Ratio Lower Upper
252 100
253 22.7 18.1 27.1
125 13.3 9.4 14.2

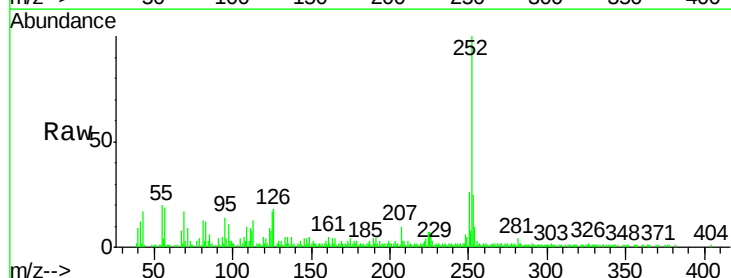


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

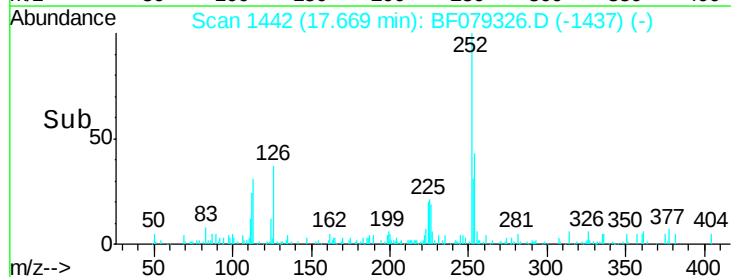
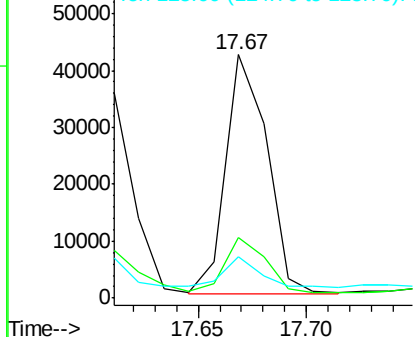


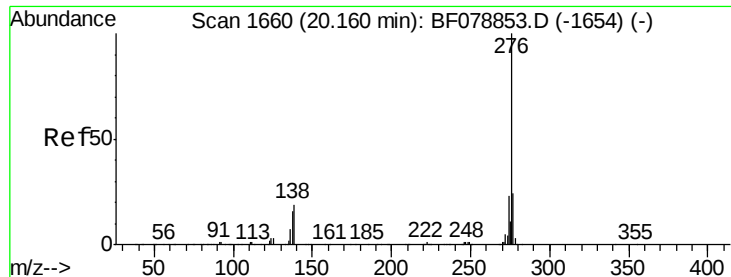
#89
Benzo(a)pyrene
Concen: 5.39 ng
RT: 17.67 min Scan# 1442
Delta R.T. -0.13 min
Lab File: BF079326.D
Acq: 19 May 2015 2:02

Tgt Ion:252 Resp: 55750
Ion Ratio Lower Upper
252 100
253 24.7 18.0 27.0
125 16.9 8.2 12.2#



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





#91
 Benzo(a,h,i)perylene
 Concen: 3.49 ng
 RT: 19.53 min Scan# 1605
 Delta R.T. -0.16 min
 Lab File: BF079326.D
 Acq: 19 May 2015 2:02

Instrument :
 BNA_F
 ClientSampleId :
 WC-13-D1

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.5	18.8	28.2
138	28.5	15.2	22.8

