

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050917\
 Data File : BF095034.D
 Acq On : 9 May 2017 21:44
 Operator : SJ/MA
 Sample : I3022-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-COMP-15

Quant Time: May 10 02:06:59 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 03 17:24:51 2017
 Response via : Initial Calibration

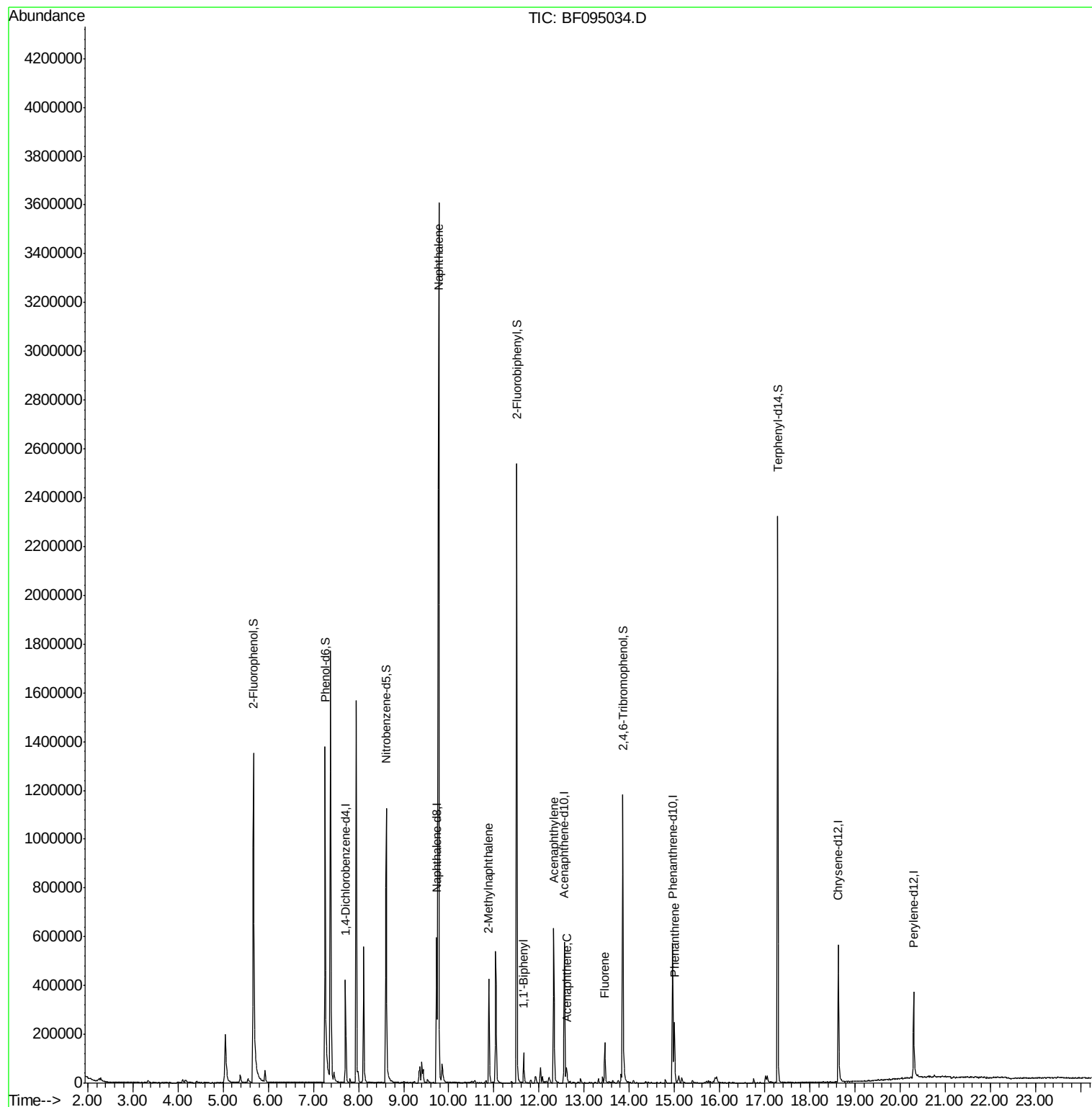
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	89706	20.00	ng	-0.02
21) Naphthalene-d8	9.73	136	377310	20.00	ng	-0.02
38) Acenaphthene-d10	12.56	164	171828	20.00	ng	-0.02
63) Phenanthrene-d10	14.96	188	301636	20.00	ng	-0.02
75) Chrysene-d12	18.63	240	278792	20.00	ng	-0.02
86) Perylene-d12	20.30	264	193951	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	735540	136.70	ng	0.00
7) Phenol-d6	7.26	99	811529	125.70	ng	-0.02
23) Nitrobenzene-d5	8.61	82	552342	92.31	ng	-0.02
41) 2,4,6-Tribromophenol	13.86	330	214823	152.66	ng	-0.02
44) 2-Fluorobiphenyl	11.51	172	1099625	92.11	ng	-0.02
78) Terphenyl-d14	17.29	244	958515	75.73	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	9.78	128	2491661	131.39	ng	99
37) 2-Methylnaphthalene	10.89	142	164940	13.25	ng	97
45) 1,1'-Biphenyl	11.66	154	61542	4.25	ng	95
48) Acenaphthylene	12.32	152	412530	22.55	ng	98
51) Acenaphthene	12.61	154	22681	2.08	ng	90
57) Fluorene	13.46	166	72977	5.55	ng	99
70) Phenanthrene	15.00	178	157709	9.10	ng	95

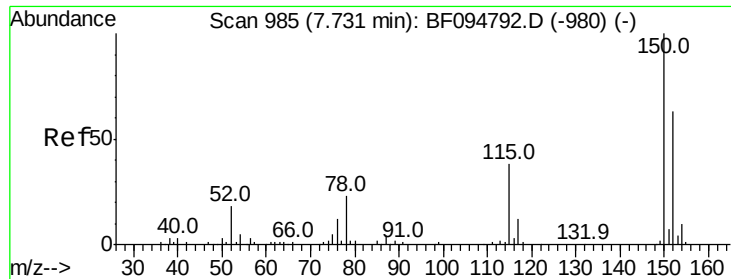
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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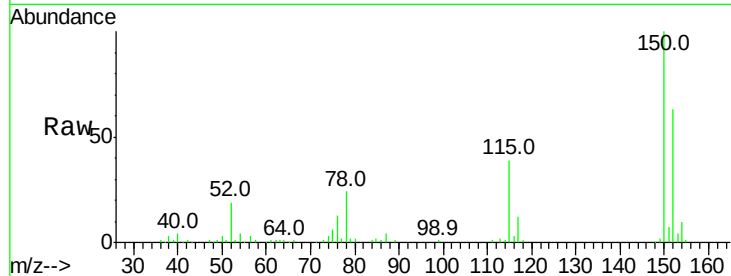


#1

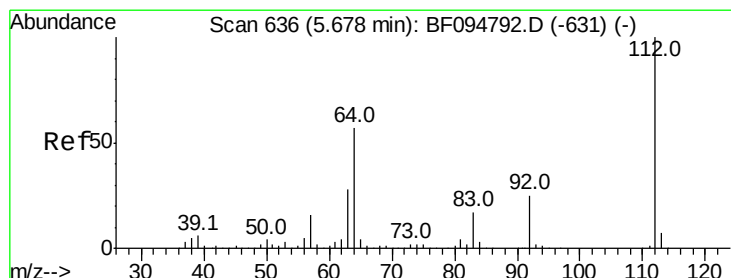
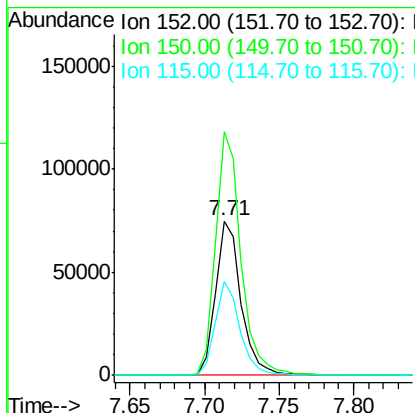
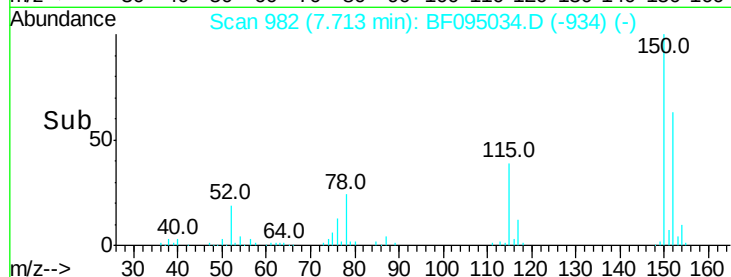
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.71 min Scan# 982
Delta R.T. -0.02 min
Lab File: BF095034.D
Acq: 9 May 2017 21:44

Instrument :
BNA_F
ClientSampleId :
WC-COMP-15

Tot Ion:152 Resp: 89706
Ion Ratio Lower Upper
152 100
150 157.6 126.2 189.2
115 61.1 52.2 78.2



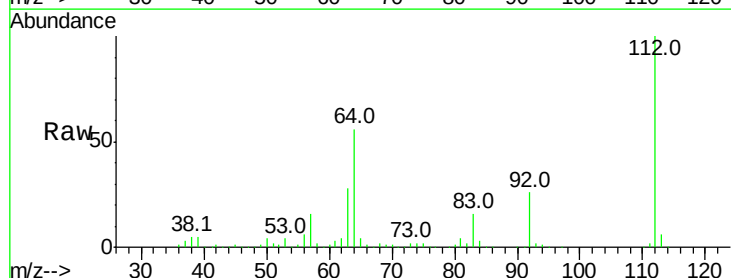
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



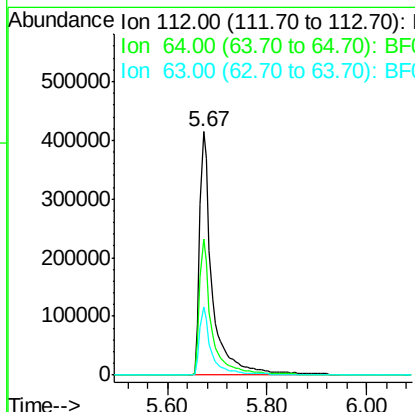
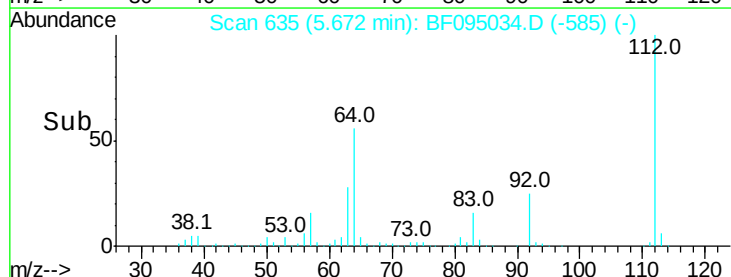
#5

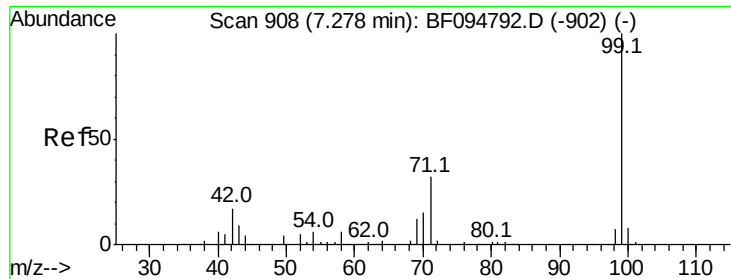
2-Fluorophenol
Concen: 136.70 ng
RT: 5.67 min Scan# 635
Delta R.T. -0.01 min
Lab File: BF095034.D
Acq: 9 May 2017 21:44

Tgt Ion:112 Resp: 735540
Ion Ratio Lower Upper
112 100
64 55.9 46.0 69.0
63 28.1 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 125.70 ng

RT: 7.26 min Scan# 905

Delta R.T. -0.02 min

Lab File: BF095034.D

Acq: 9 May 2017 21:44

Instrument :

BNA_F

ClientSampleId :

WC-COMP-15

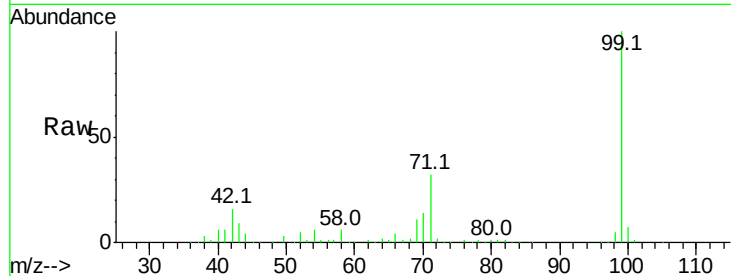
Tot Ion: 99 Resp: 811529

Ion Ratio Lower Upper

99 100

42 16.0 13.5 20.3

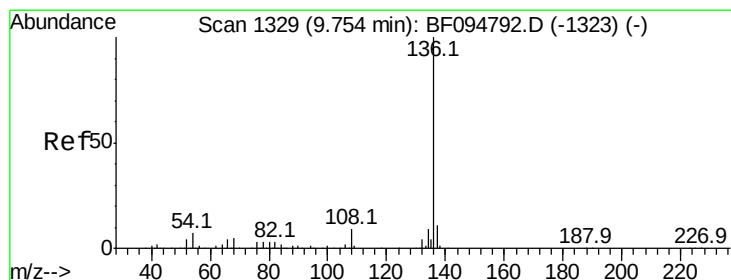
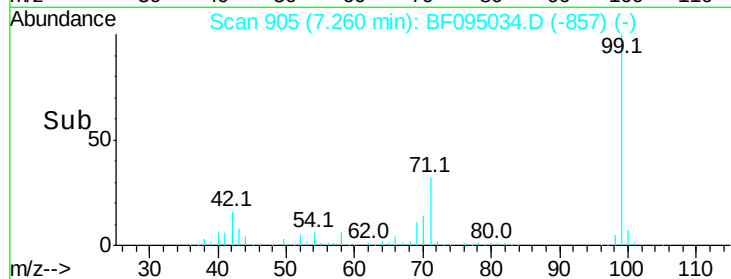
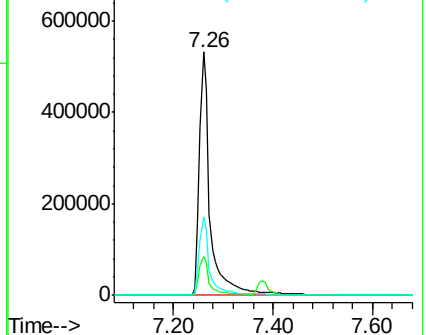
71 32.4 24.5 36.7



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: 9.73 min Scan# 1325

Delta R.T. -0.02 min

Lab File: BF095034.D

Acq: 9 May 2017 21:44

Tgt Ion: 136 Resp: 377310

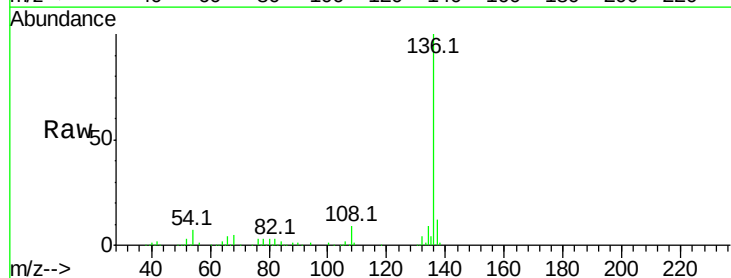
Ion Ratio Lower Upper

136 100

137 11.7 8.5 12.7

54 7.3 4.9 7.3

68 5.3 4.1 6.1

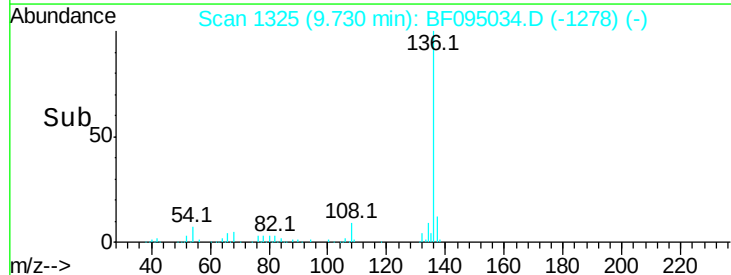
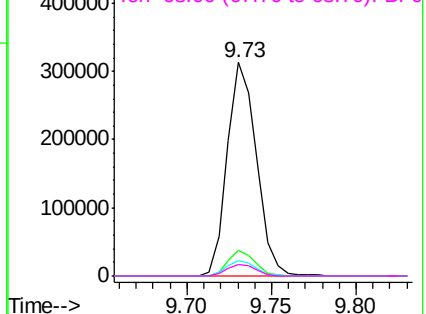


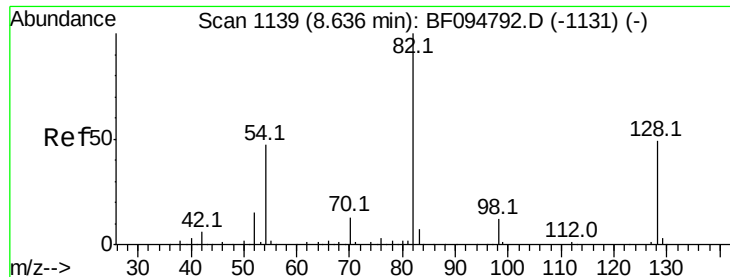
Abundance Ion 136.00 (135.70 to 136.70): E

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

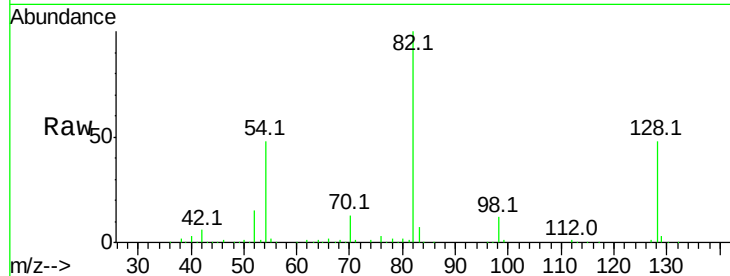




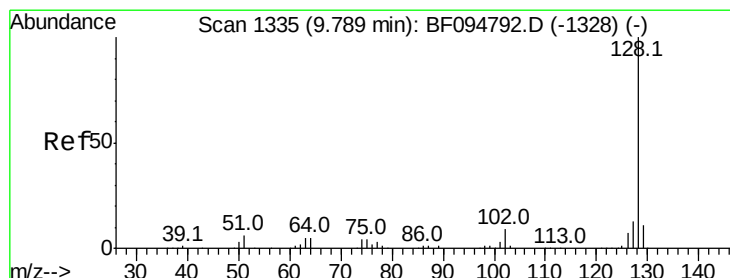
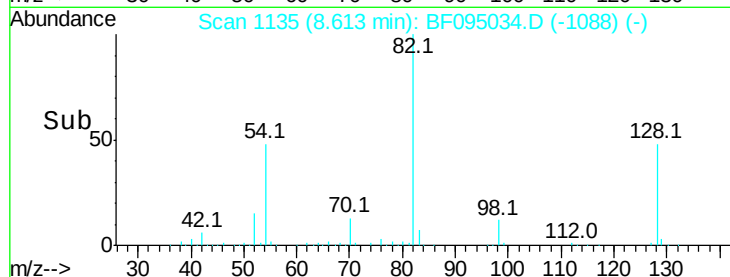
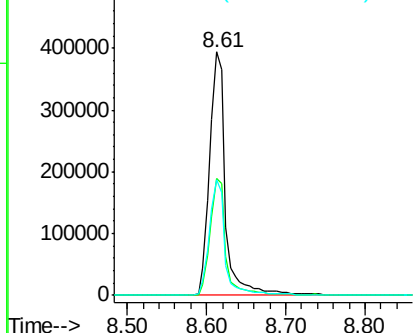
#23
Nitrobenzene-d5
Concen: 92.31 ng
RT: 8.61 min Scan# 1135
Delta R.T. -0.02 min
Lab File: BF095034.D
Acq: 9 May 2017 21:44

Instrument :
BNA_F
ClientSampleId :
WC-COMP-15

Tot Ion: 82 Resp: 552342
Ion Ratio Lower Upper
82 100
128 47.8 34.0 51.0
54 47.7 42.2 63.2

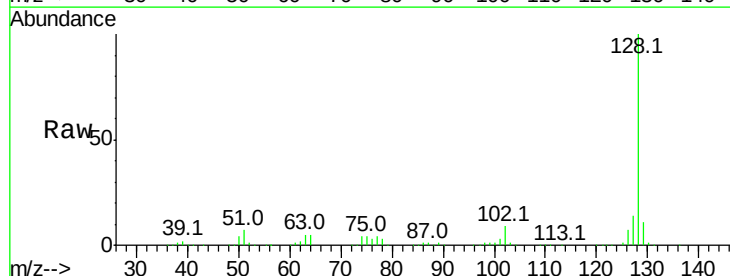


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

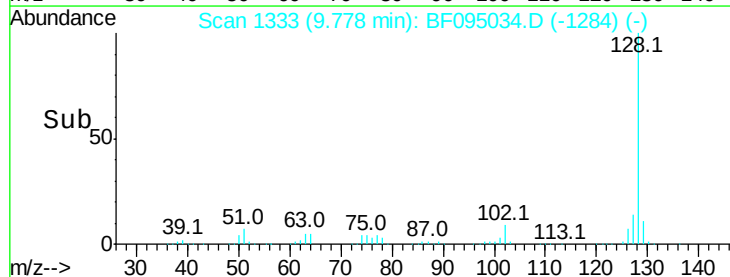
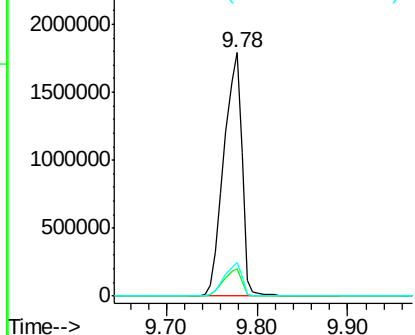


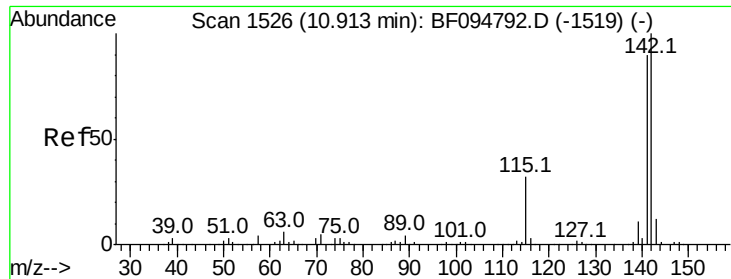
#31
Naphthalene
Concen: 131.39 ng
RT: 9.78 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF095034.D
Acq: 9 May 2017 21:44

Tgt Ion:128 Resp: 2491661
Ion Ratio Lower Upper
128 100
129 11.2 9.0 13.6
127 13.9 10.8 16.2



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

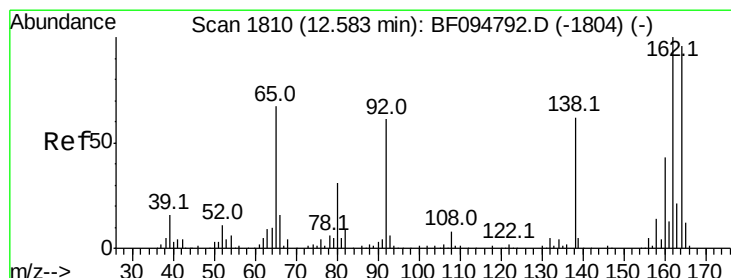
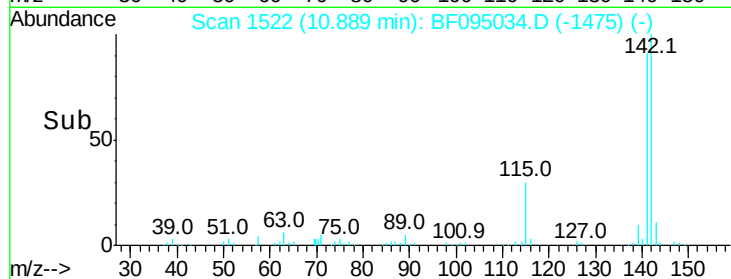
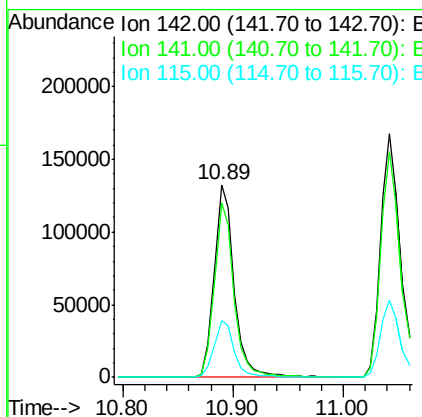
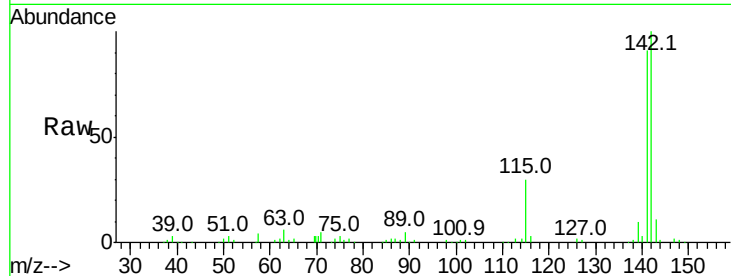




#37
2-Methylnaphthalene
Concen: 13.25 ng
RT: 10.89 min Scan# 1522
Delta R.T. -0.02 min
Lab File: BF095034.D
Acq: 9 May 2017 21:44

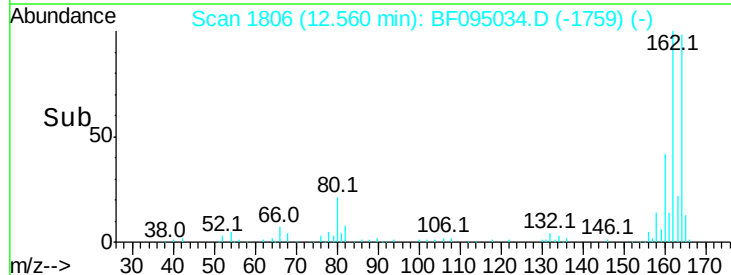
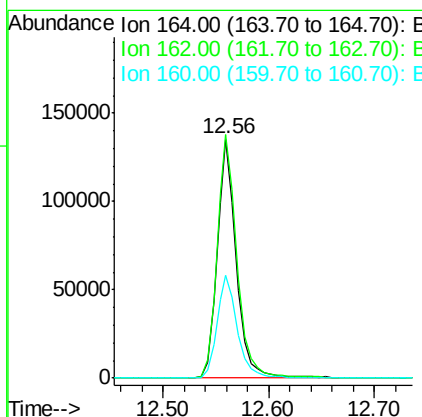
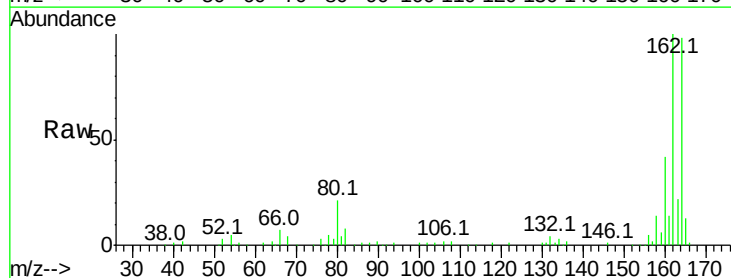
Instrument :
BNA_F
ClientSampleId :
WC-COMP-15

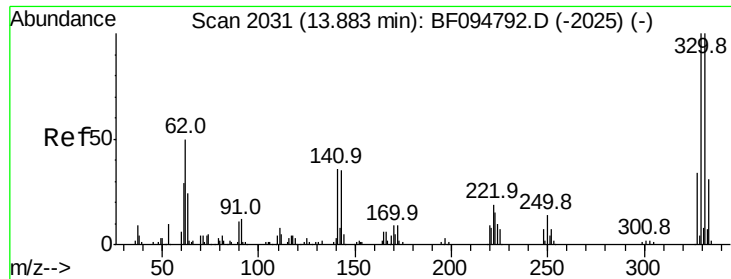
Tot Ion:142 Resp: 164940
Ion Ratio Lower Upper
142 100
141 90.6 71.3 106.9
115 29.7 27.1 40.7



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.56 min Scan# 1806
Delta R.T. -0.02 min
Lab File: BF095034.D
Acq: 9 May 2017 21:44

Tgt Ion:164 Resp: 171828
Ion Ratio Lower Upper
164 100
162 101.9 82.6 123.8
160 42.9 36.2 54.2

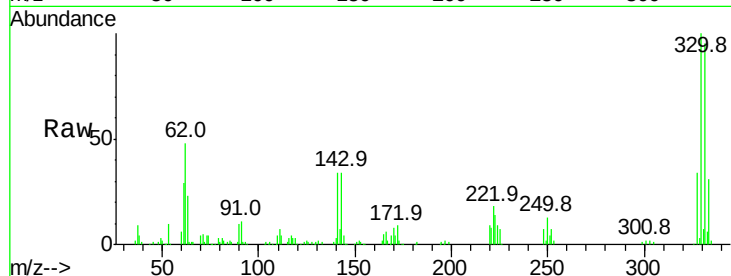




#41
 2,4,6-Tribromophenol
 Concen: 152.66 ng
 RT: 13.86 min Scan# 2027
 Delta R.T. -0.02 min
 Lab File: BF095034.D
 Acq: 9 May 2017 21:44

Instrument :
 BNA_F
 ClientSampleId :
 WC-COMP-15

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	76.6	115.0
141	39.1	31.4	47.2

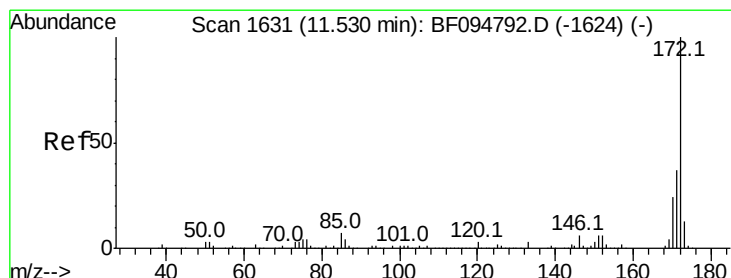
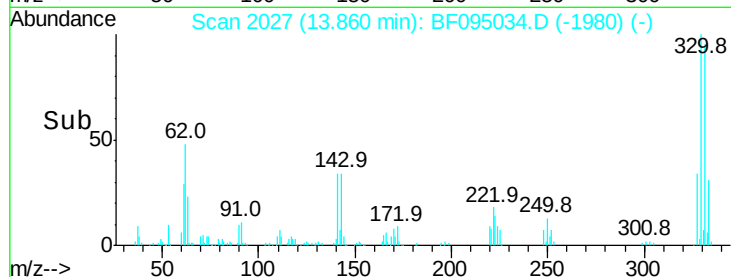
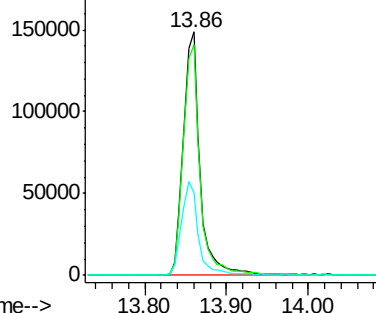


Abundance

Ion 329.80 (329.50 to 330.50): E

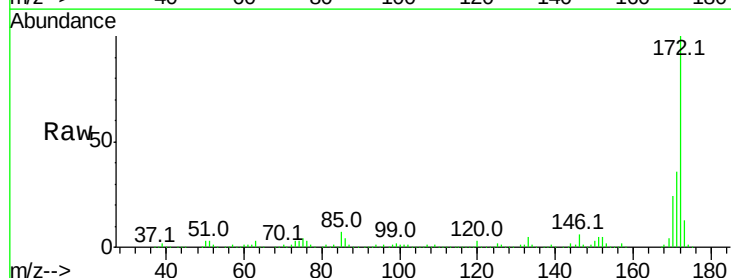
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 92.11 ng
 RT: 11.51 min Scan# 1627
 Delta R.T. -0.02 min
 Lab File: BF095034.D
 Acq: 9 May 2017 21:44

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.6	44.4
170	23.7	19.8	29.8

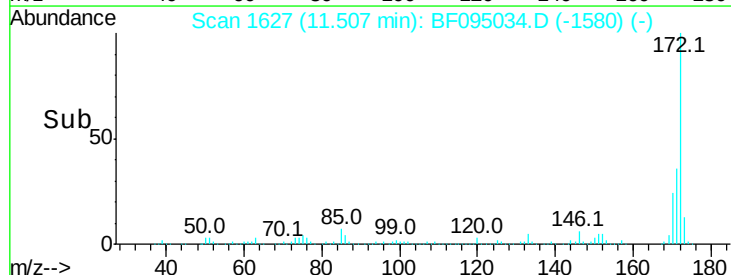
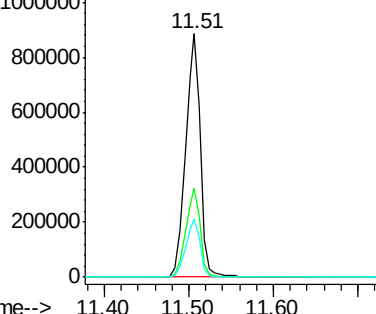


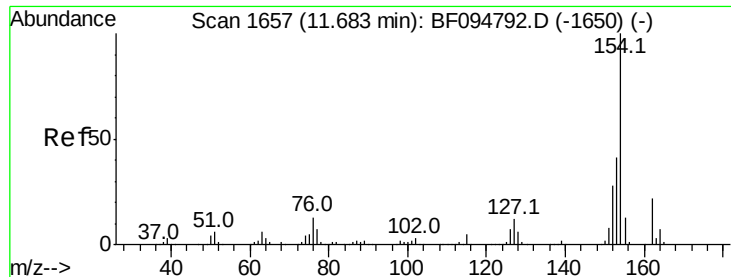
Abundance

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





#45

1,1'-Biphenyl

Concen: 4.25 ng

RT: 11.66 min Scan# 1653

Delta R.T. -0.02 min

Lab File: BF095034.D

Acq: 9 May 2017 21:44

Instrument :

BNA_F

ClientSampleId :

WC-COMP-15

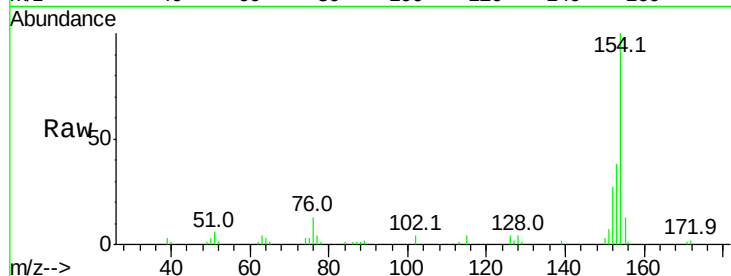
Tot Ion:154 Resp: 61542

Ion Ratio Lower Upper

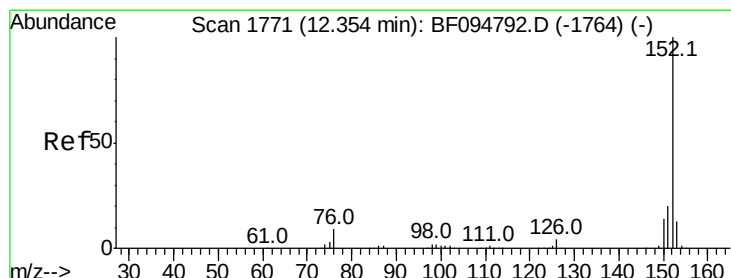
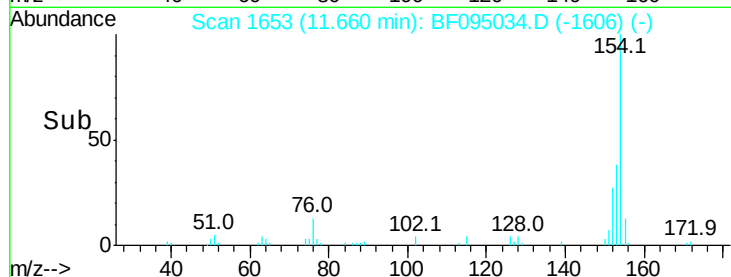
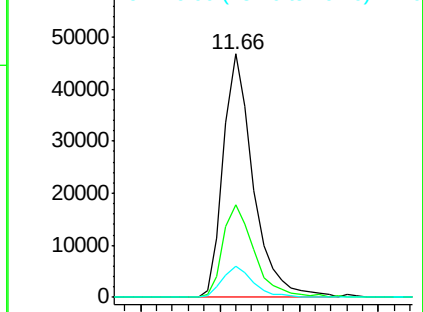
154 100

153 38.2 21.2 61.2

76 12.8 0.0 29.9



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



#48

Acenaphthylene

Concen: 22.55 ng

RT: 12.32 min Scan# 1766

Delta R.T. -0.03 min

Lab File: BF095034.D

Acq: 9 May 2017 21:44

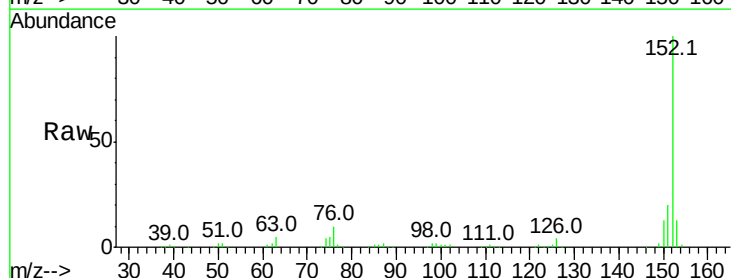
Tgt Ion:152 Resp: 412530

Ion Ratio Lower Upper

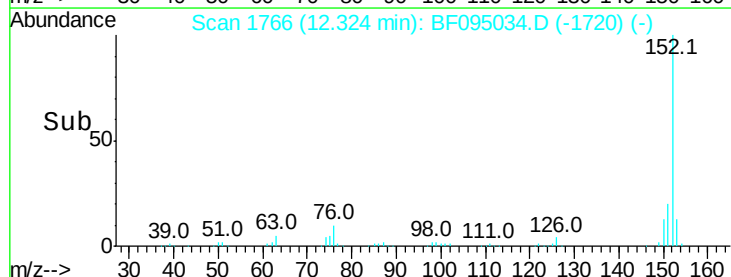
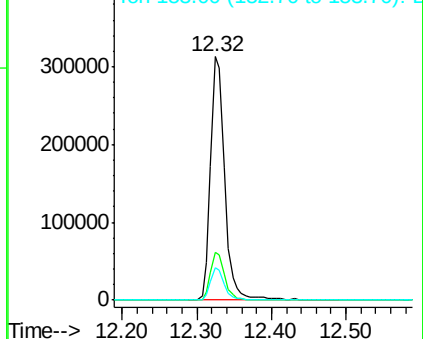
152 100

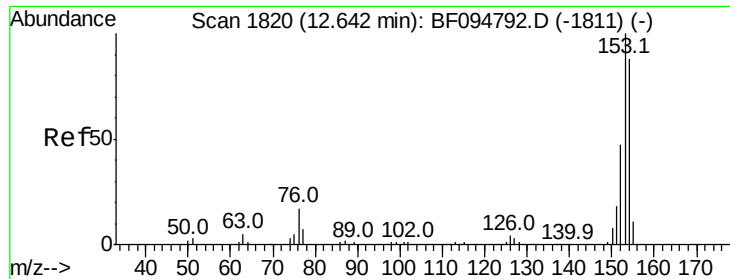
151 19.6 16.8 25.2

153 13.1 10.8 16.2



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#51

Acenaphthene

Concen: 2.08 ng

RT: 12.61 min Scan# 1815

Delta R.T. -0.03 min

Lab File: BF095034.D

Acq: 9 May 2017 21:44

Instrument :

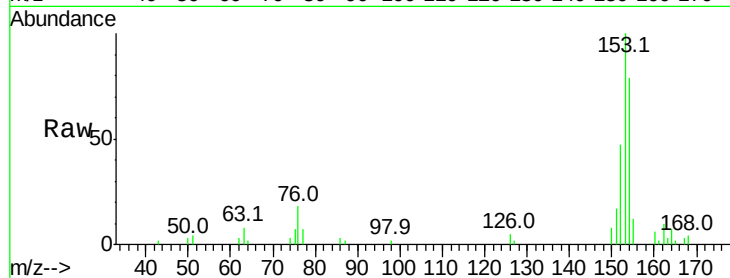
BNA_F

ClientSampleId :

WC-COMP-15

Tot Ion:154 Resp: 22681

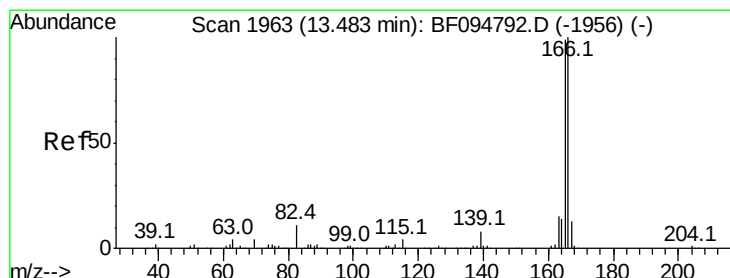
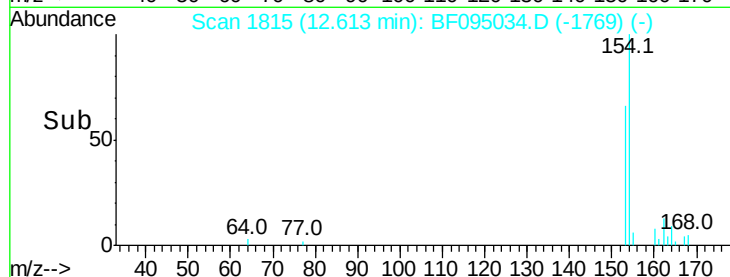
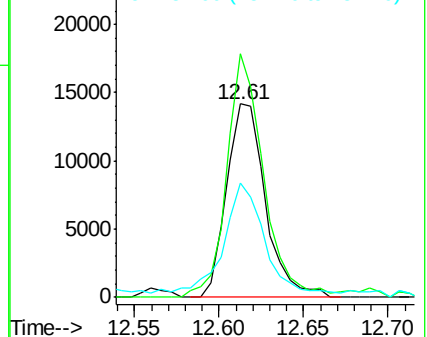
Ion	Ratio	Lower	Upper
154	100		
153	126.1	90.5	135.7
152	59.2	43.6	65.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#57

Fluorene

Concen: 5.55 ng

RT: 13.46 min Scan# 1959

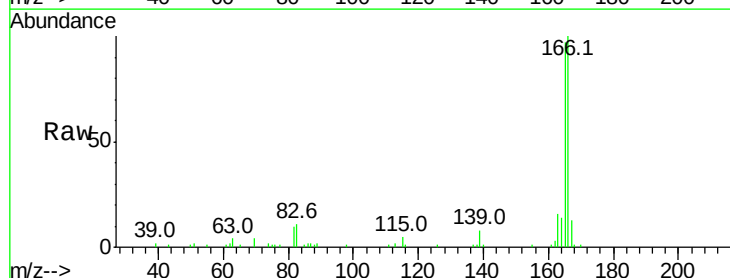
Delta R.T. -0.02 min

Lab File: BF095034.D

Acq: 9 May 2017 21:44

Tgt Ion:166 Resp: 72977

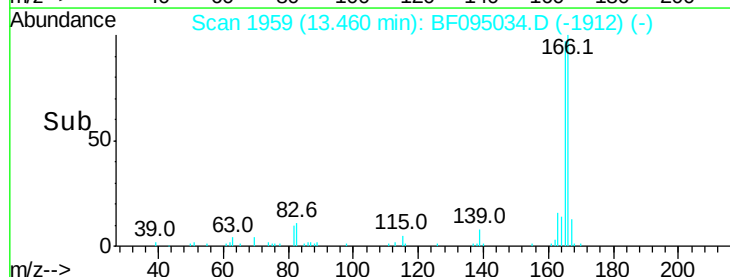
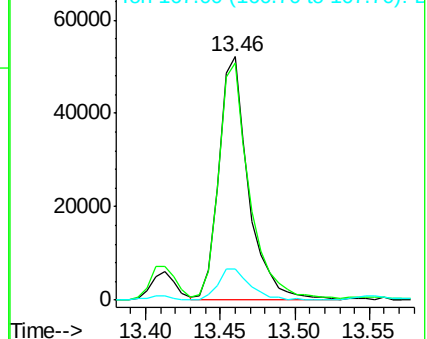
Ion	Ratio	Lower	Upper
166	100		
165	97.3	78.8	118.2
167	12.7	10.6	16.0

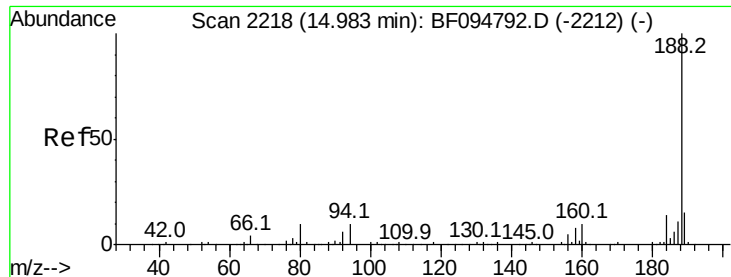


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

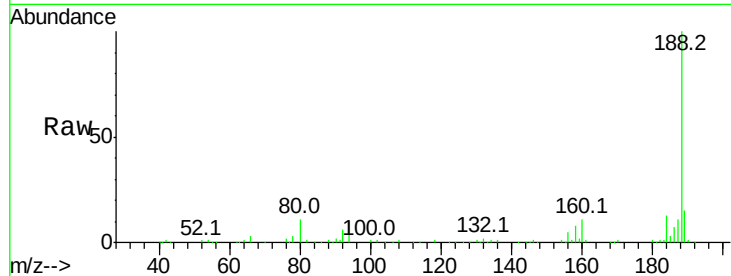




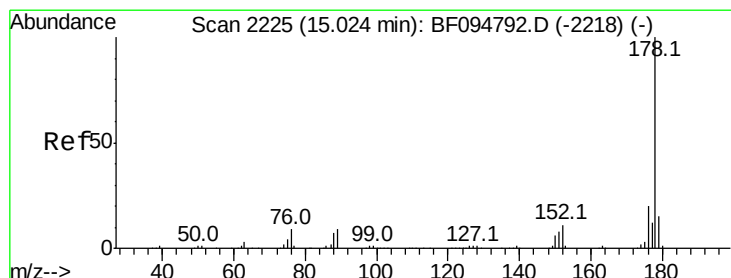
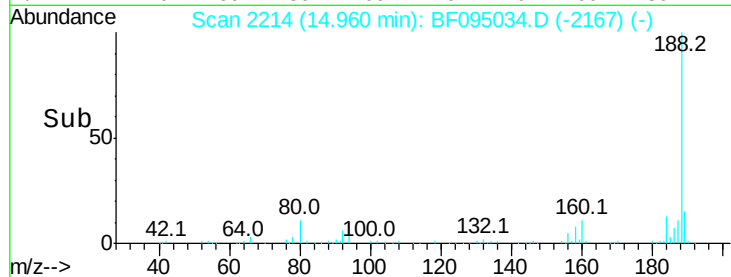
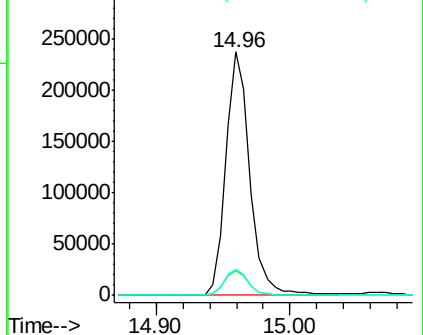
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.96 min Scan# 2214
Delta R.T. -0.02 min
Lab File: BF095034.D
Acq: 9 May 2017 21:44

Instrument :
BNA_F
ClientSampleId :
WC-COMP-15

Tot Ion:188 Resp: 301636
Ion Ratio Lower Upper
188 100
94 10.0 9.4 14.2
80 10.5 10.2 15.2

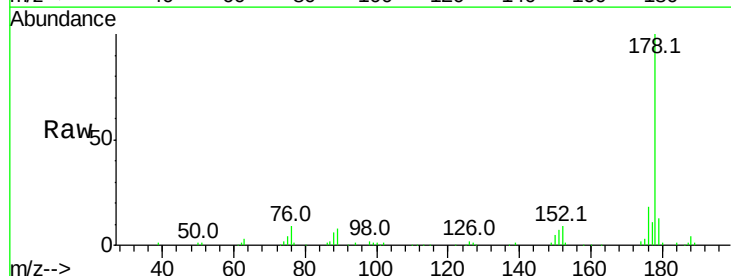


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

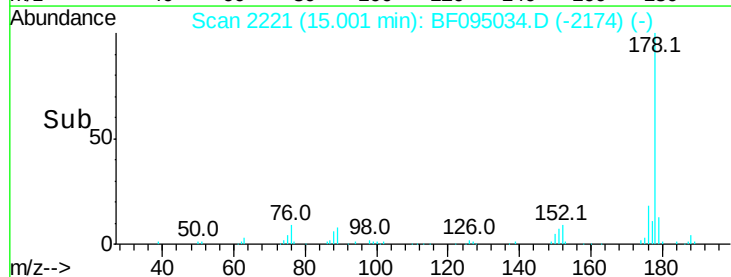
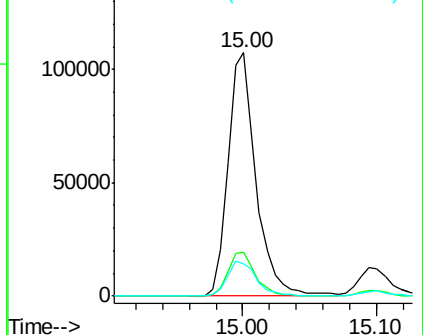


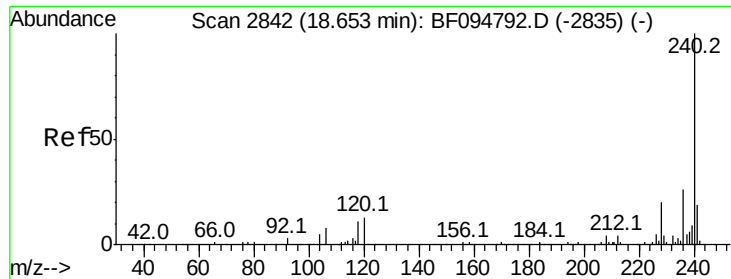
#70
Phenanthrene
Concen: 9.10 ng
RT: 15.00 min Scan# 2221
Delta R.T. -0.02 min
Lab File: BF095034.D
Acq: 9 May 2017 21:44

Tgt Ion:178 Resp: 157709
Ion Ratio Lower Upper
178 100
176 18.1 16.2 24.4
179 13.2 12.6 19.0



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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.63 min Scan# 2838

Delta R.T. -0.02 min

Lab File: BF095034.D

Acq: 9 May 2017 21:44

Instrument :

BNA_F

ClientSampleId :

WC-COMP-15

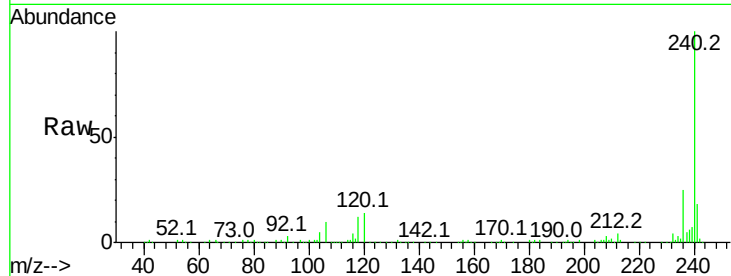
Tot Ion:240 Resp: 278792

Ion Ratio Lower Upper

240 100

120 14.0 5.8 8.8#

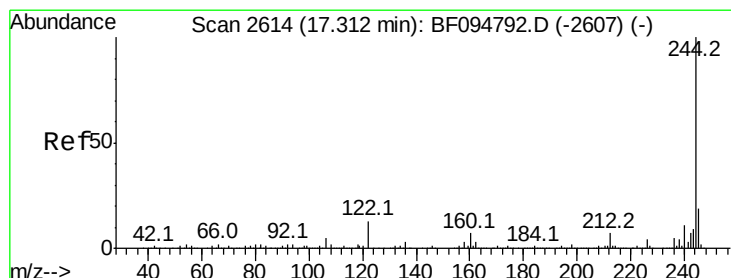
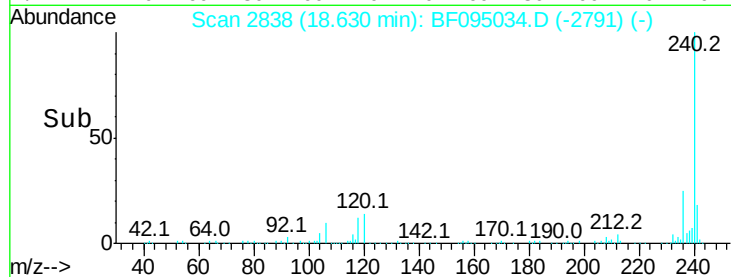
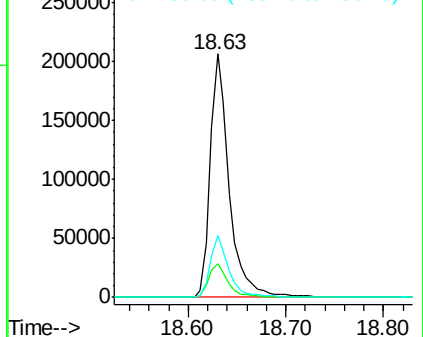
236 25.2 20.5 30.7



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



#78

Terphenyl-d14

Concen: 75.73 ng

RT: 17.29 min Scan# 2610

Delta R.T. -0.02 min

Lab File: BF095034.D

Acq: 9 May 2017 21:44

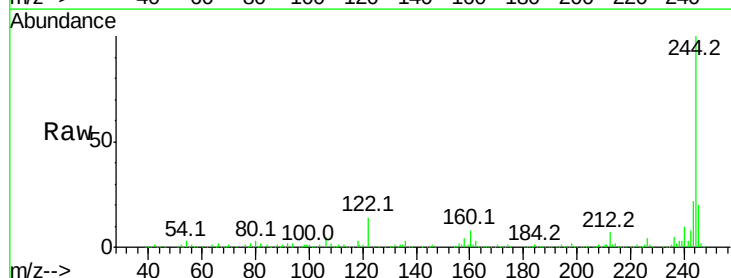
Tgt Ion:244 Resp: 958515

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

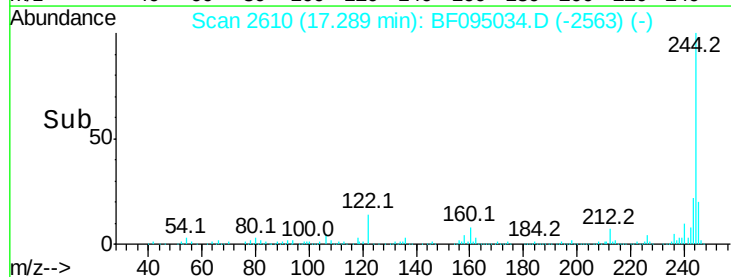
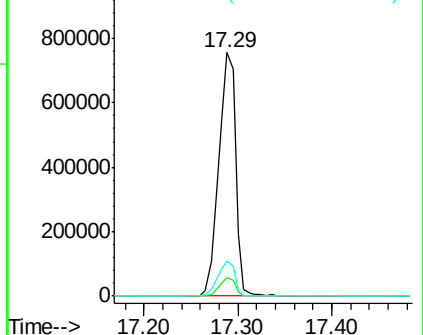
122 14.2 10.3 15.5

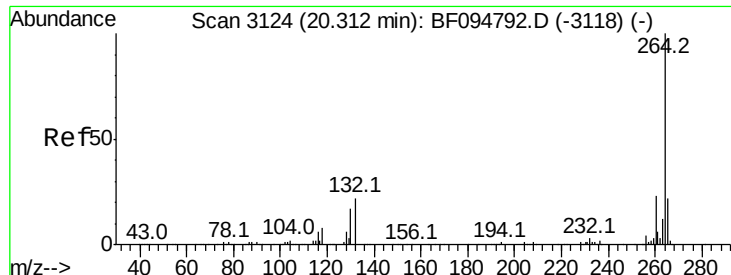


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

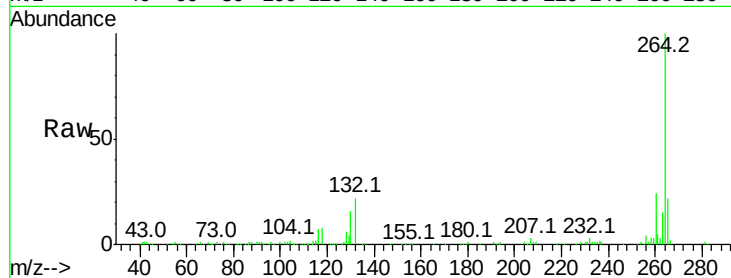




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 20.30 min Scan# 3122
 Delta R.T. -0.01 min
 Lab File: BF095034.D
 Acq: 9 May 2017 21:44

Instrument :
 BNA_F
 ClientSampleId :
 WC-COMP-15

Tot Ion:	264	Resp:	193951
Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.5	29.3
265	21.7	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

