

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011716\
 Data File : BF084534.D
 Acq On : 17 Jan 2016 14:21
 Operator : SJ/UM
 Sample : H1143-02RE 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-7-20160114

Quant Time: Jan 18 01:24:32 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 14 14:15:52 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	324985	20.00	ng	-0.02
21) Naphthalene-d8	8.09	136	1201845	20.00	ng	-0.03
38) Acenaphthene-d10	9.85	164	586511	20.00	ng	-0.02
63) Phenanthrene-d10	11.32	188	939693	20.00	ng	-0.03
75) Chrysene-d12	13.96	240	658530	20.00	ng	-0.03
86) Perylene-d12	15.38	264	574267	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.40	112	388234	19.32	ng	-0.03
7) Phenol-d6	6.44	99	516936	20.49	ng	-0.03
23) Nitrobenzene-d5	7.37	82	308368	14.28	ng	-0.03
41) 2,4,6-Tribromophenol	10.64	330	94934	16.03	ng	-0.03
44) 2-Fluorobiphenyl	9.17	172	448089	7.68	ng	-0.02
78) Terphenyl-d14	12.91	244	344115	11.66	ng	-0.03

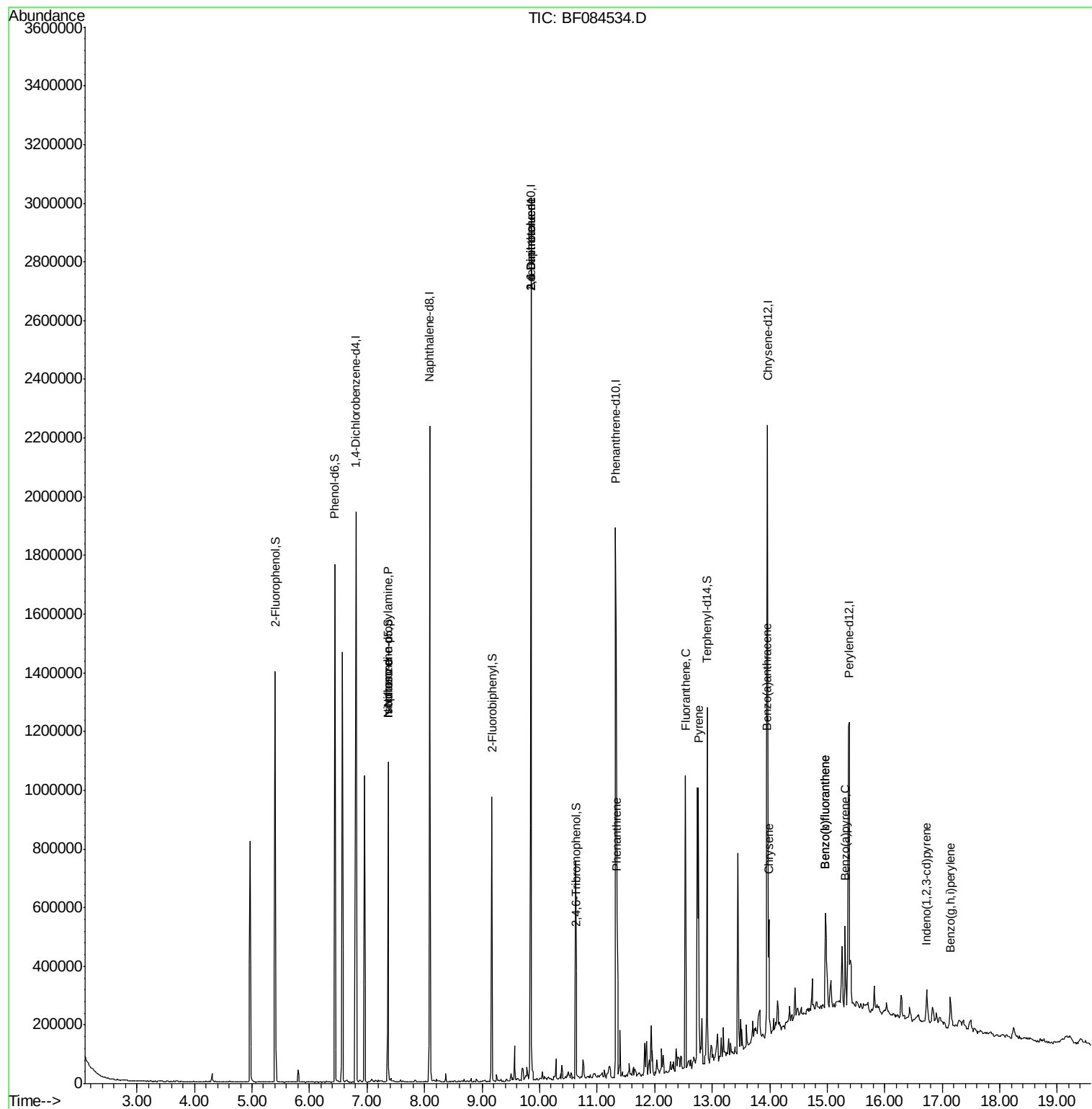
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.37	70	41077	2.40	ng	# 74
25) Isophorone	7.37	82	269821	6.53	ng	# 66
50) 2,6-Dinitrotoluene	9.85	165	76159	8.28	ng	# 37
54) Dibenzofuran	10.05	168	11231	Below Cal		94
56) 2,4-Dinitrotoluene	9.85	165	76159	6.54	ng	# 21
57) Fluorene	10.38	166	14915	Below Cal	#	92
70) Phenanthrene	11.34	178	257445	5.24	ng	99
73) Di-n-butylphthalate	11.89	149	6690	Below Cal	#	84
74) Fluoranthene	12.53	202	391744	7.63	ng	99
77) Pyrene	12.76	202	362288	7.01	ng	99
80) Benzo(a)anthracene	13.95	228	193423	5.00	ng	96
82) Chrysene	13.99	228	124462	3.35	ng	97
85) Indeno(1,2,3-cd)pyrene	16.73	276	80981	2.75	ng	98
87) Benzo(b)fluoranthene	14.97	252	228282	6.08	ng	# 92
88) Benzo(k)fluoranthene	14.97	252	228282	7.43	ng	# 96
89) Benzo(a)pyrene	15.31	252	125776	3.95	ng	# 96
91) Benzo(g,h,i)perylene	17.14	276	83075	2.93	ng	96

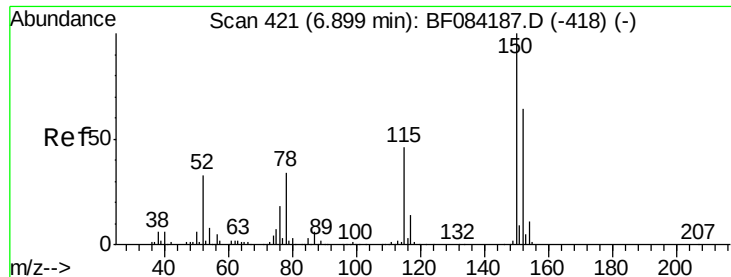
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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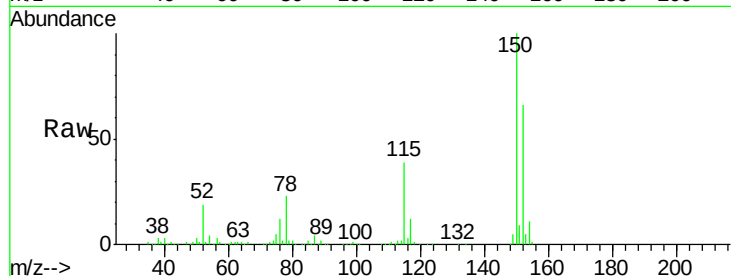


#1

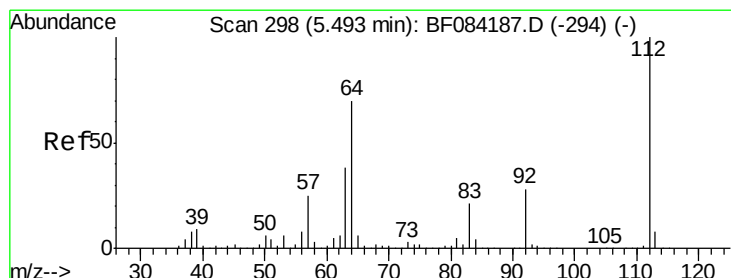
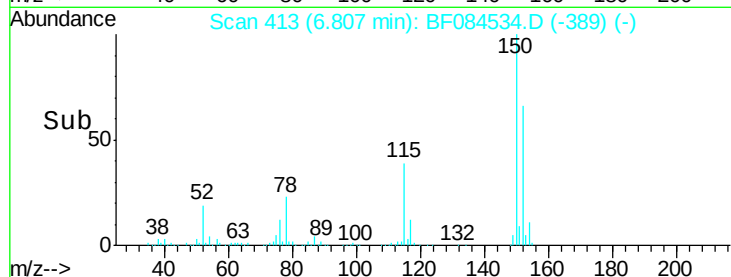
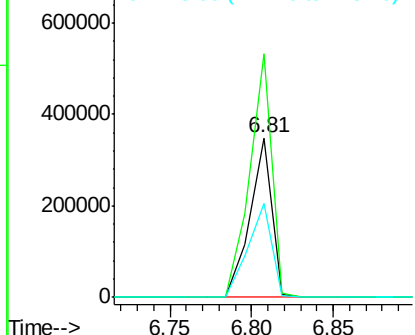
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.81 min Scan# 413
Delta R.T. -0.02 min
Lab File: BF084534.D
Acq: 17 Jan 2016 14:21

Instrument :
BNA_F
ClientSampleId :
POST-EX-7-20160114

Tgt Ion:152 Resp: 324985
Ion Ratio Lower Upper
152 100
150 152.5 123.0 184.4
115 59.1 51.4 77.2



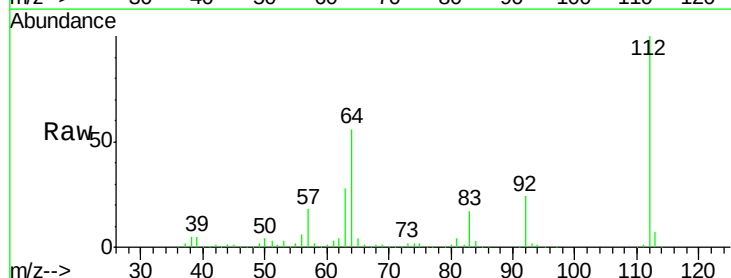
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



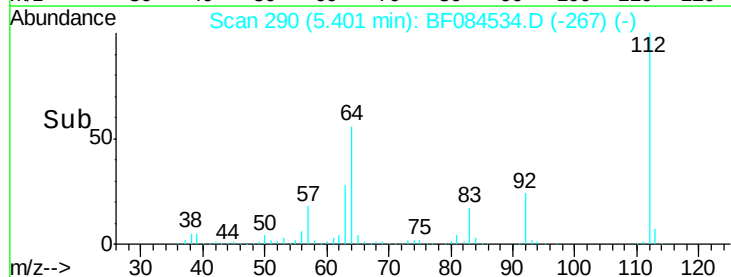
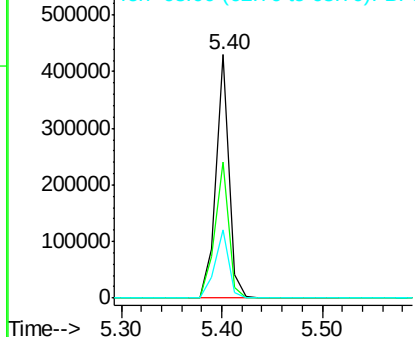
#5

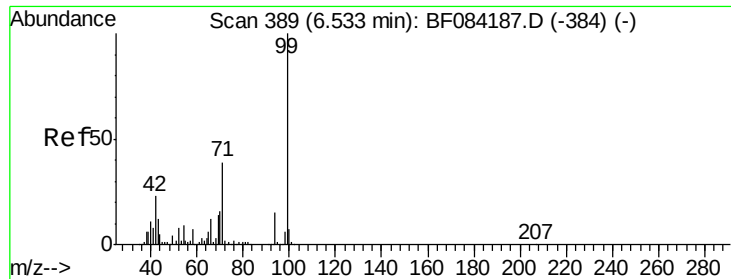
2-Fluorophenol
Concen: 19.32 ng
RT: 5.40 min Scan# 290
Delta R.T. -0.03 min
Lab File: BF084534.D
Acq: 17 Jan 2016 14:21

Tgt Ion:112 Resp: 388234
Ion Ratio Lower Upper
112 100
64 56.0 36.6 55.0#
63 28.1 19.4 29.0



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: 20.49 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.03 min

Lab File: BF084534.D

Acq: 17 Jan 2016 14:21

Instrument :

BNA_F

ClientSampleId :

POST-EX-7-20160114

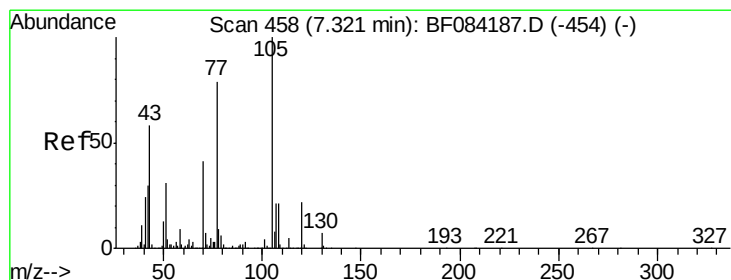
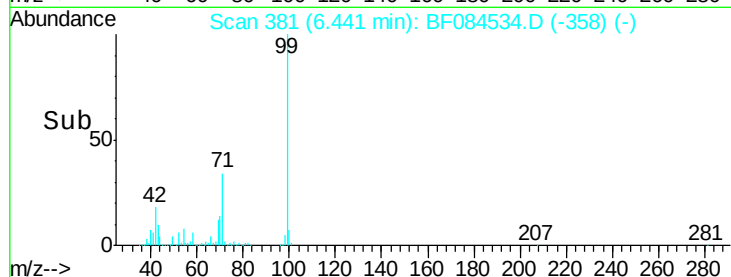
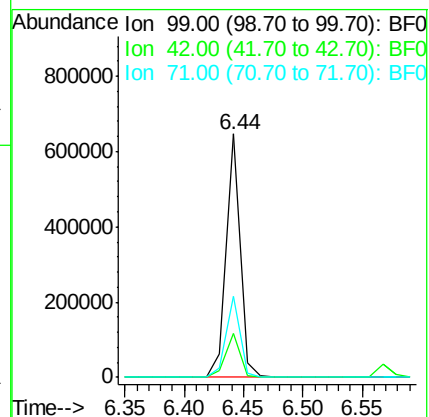
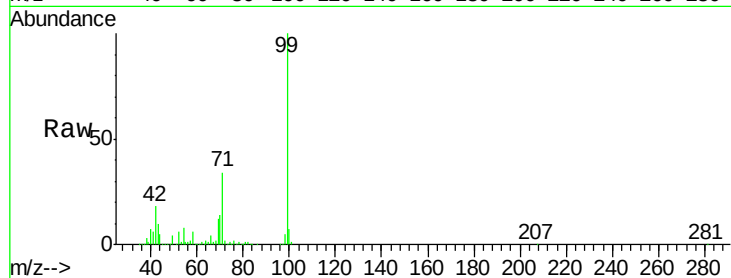
Tgt Ion: 99 Resp: 516936

Ion Ratio Lower Upper

99 100

42 18.1 12.8 19.2

71 33.5 30.9 46.3



#19

n-Nitroso-di-n-propylamine

Concen: 2.40 ng

RT: 7.37 min Scan# 462

Delta R.T. 0.11 min

Lab File: BF084534.D

Acq: 17 Jan 2016 14:21

Tgt Ion: 70 Resp: 41077

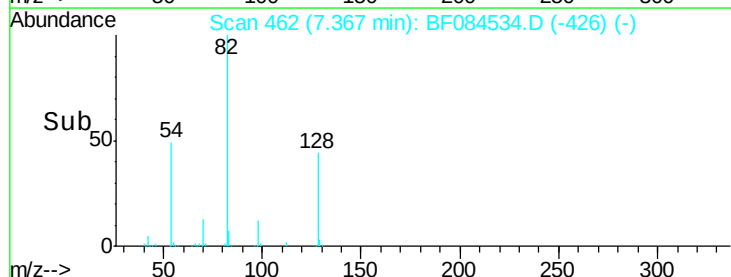
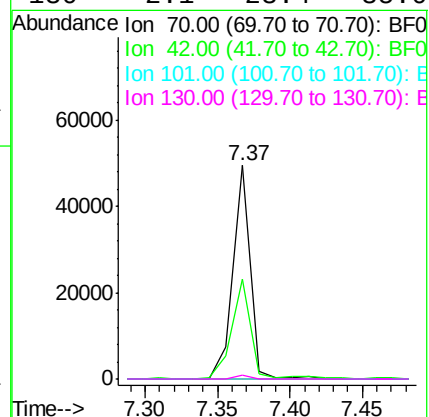
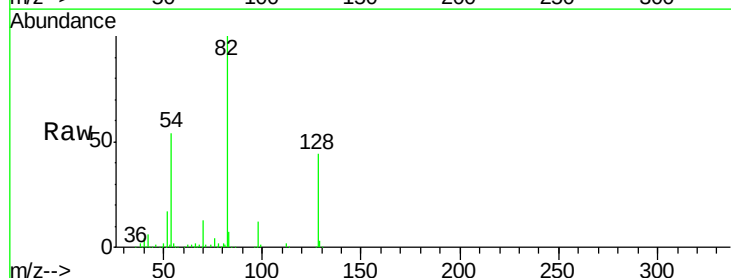
Ion Ratio Lower Upper

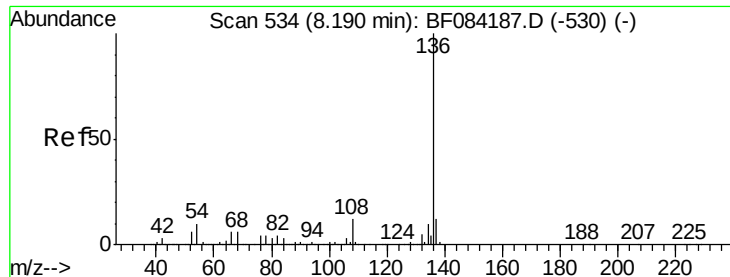
70 100

42 46.8 33.3 49.9

101 0.0 9.3 13.9#

130 2.1 23.4 35.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.09 min Scan# 525

Delta R.T. -0.03 min

Lab File: BF084534.D

Acq: 17 Jan 2016 14:21

Instrument :

BNA_F

ClientSampleId :

POST-EX-7-20160114

Tgt Ion:136 Resp: 1201845

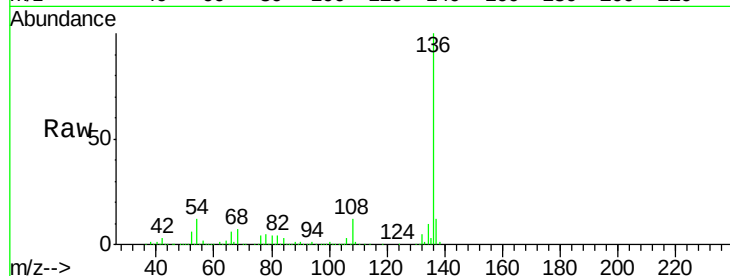
Ion Ratio Lower Upper

136 100

137 11.9 8.7 13.1

54 11.8 5.8 8.8#

68 6.7 4.2 6.2#

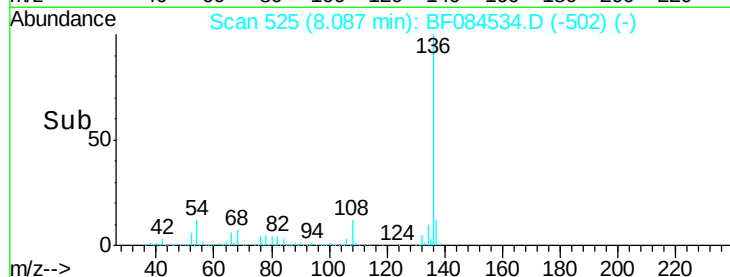


Abundance Ion 136.00 (135.70 to 136.70): E

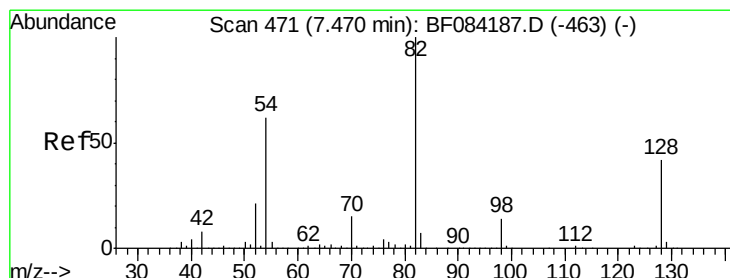
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 14.28 ng

RT: 7.37 min Scan# 462

Delta R.T. -0.03 min

Lab File: BF084534.D

Acq: 17 Jan 2016 14:21

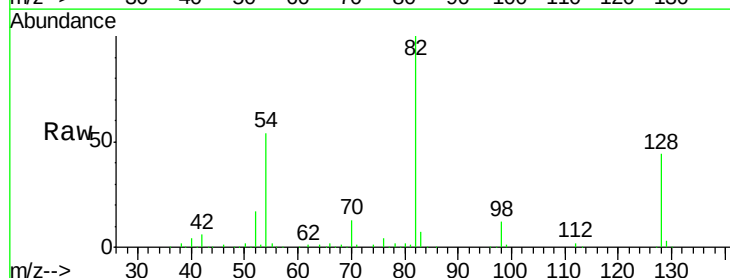
Tgt Ion: 82 Resp: 308368

Ion Ratio Lower Upper

82 100

128 44.1 34.6 51.8

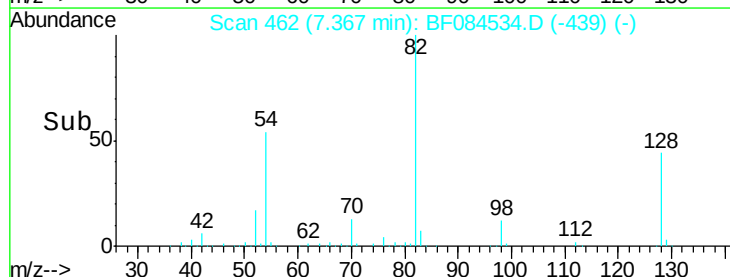
54 53.8 38.4 57.6



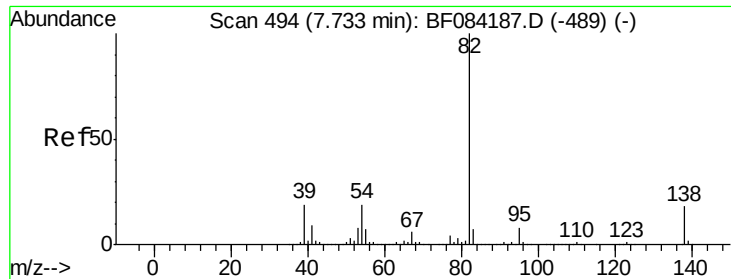
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->



#25

Isophorone

Concen: 6.53 ng

RT: 7.37 min Scan# 462

Delta R.T. -0.30 min

Lab File: BF084534.D

Acq: 17 Jan 2016 14:21

Instrument :

BNA_F

ClientSampleId :

POST-EX-7-20160114

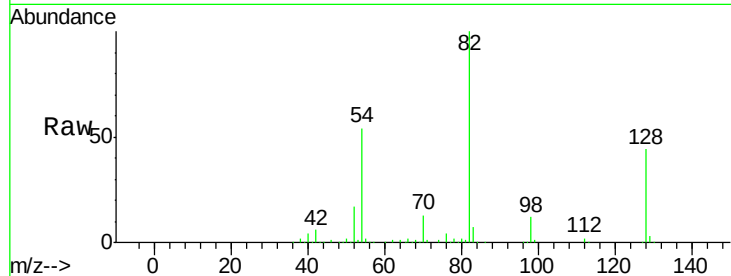
Tgt Ion: 82 Resp: 269821

Ion Ratio Lower Upper

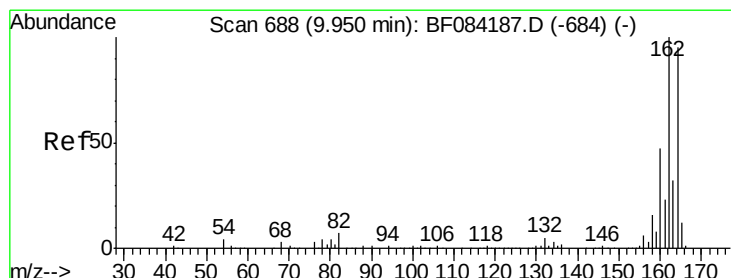
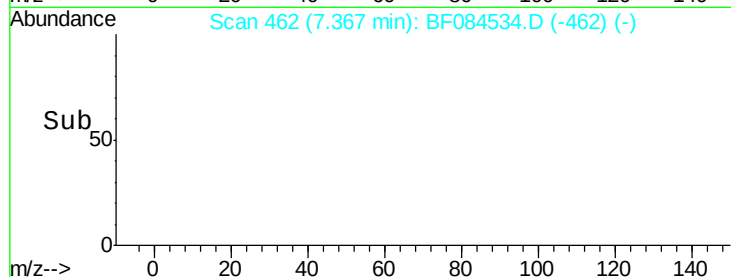
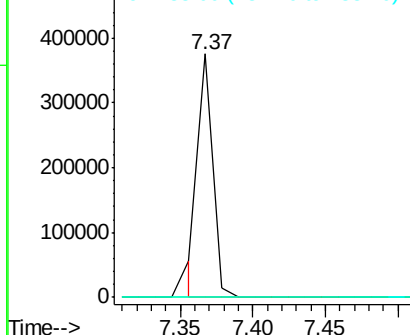
82 100

95 0.0 6.6 10.0#

138 0.0 13.6 20.4#



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): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.85 min Scan# 679

Delta R.T. -0.02 min

Lab File: BF084534.D

Acq: 17 Jan 2016 14:21

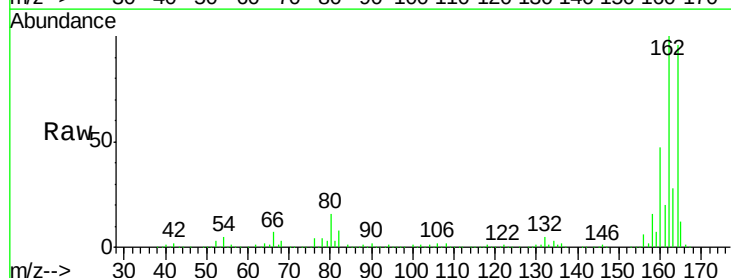
Tgt Ion: 164 Resp: 586511

Ion Ratio Lower Upper

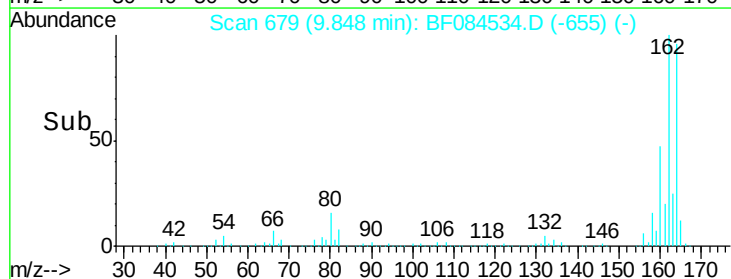
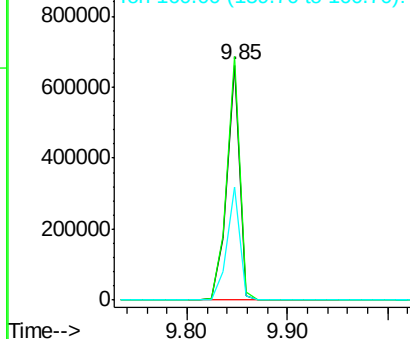
164 100

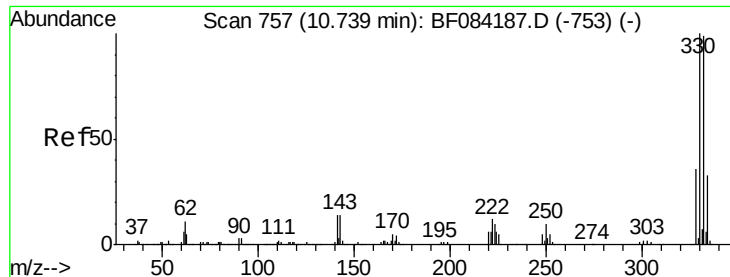
162 103.8 85.1 127.7

160 48.3 37.5 56.3



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

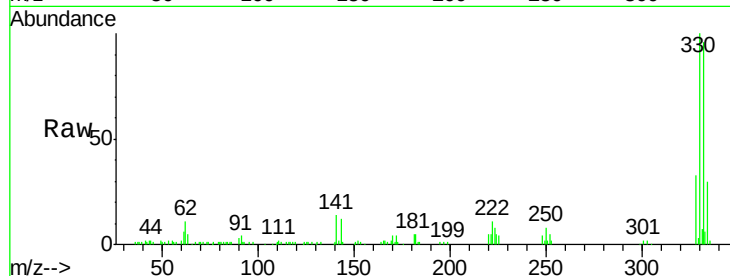




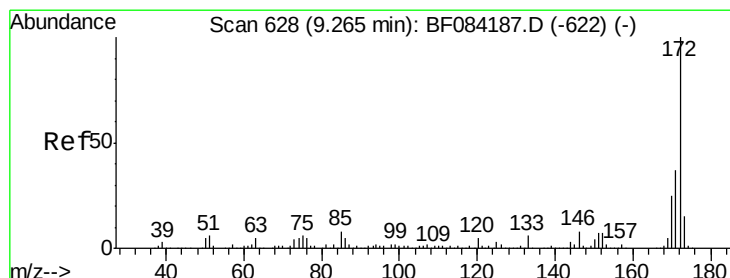
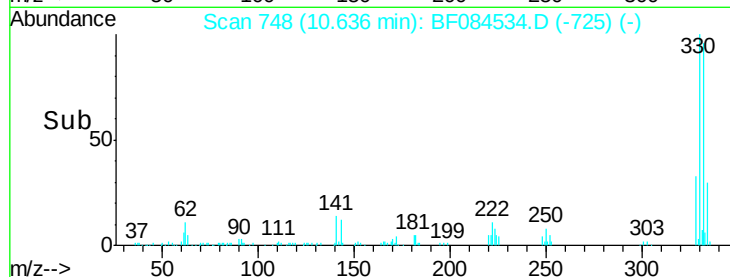
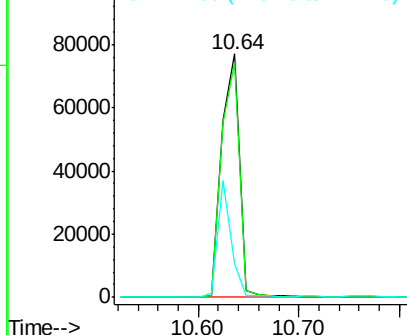
#41
 2,4,6-Tribromophenol
 Concen: 16.03 ng
 RT: 10.64 min Scan# 748
 Delta R.T. -0.03 min
 Lab File: BF084534.D
 Acq: 17 Jan 2016 14:21

Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-7-20160114

Tgt Ion:330 Resp: 94934
 Ion Ratio Lower Upper
 330 100
 332 96.7 76.6 114.8
 141 36.9 27.8 41.6

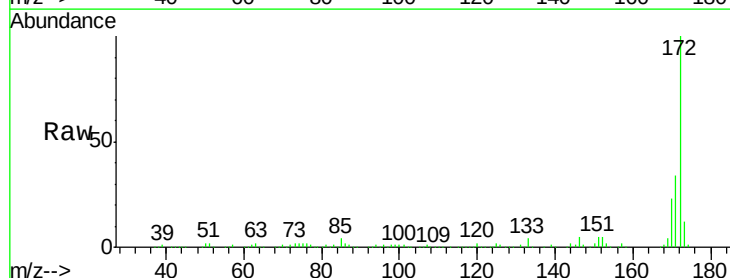


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

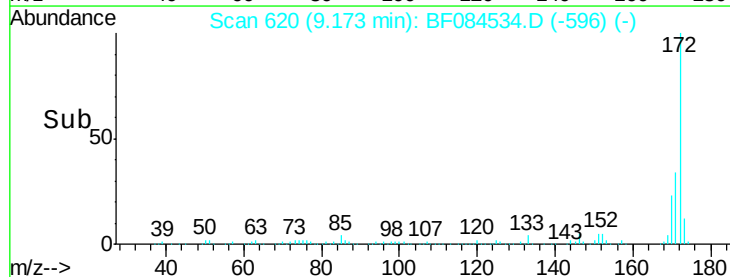
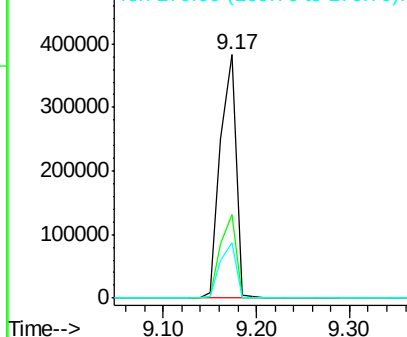


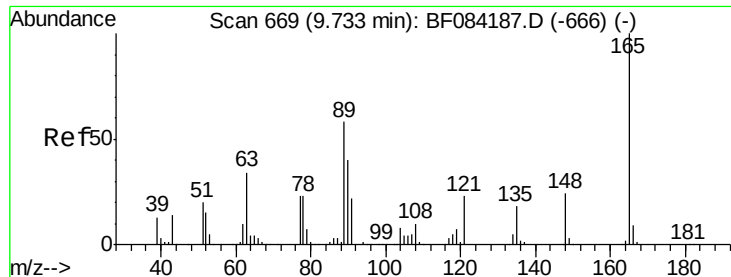
#44
 2-Fluorobiphenyl
 Concen: 7.68 ng
 RT: 9.17 min Scan# 620
 Delta R.T. -0.02 min
 Lab File: BF084534.D
 Acq: 17 Jan 2016 14:21

Tgt Ion:172 Resp: 448089
 Ion Ratio Lower Upper
 172 100
 171 34.1 28.9 43.3
 170 22.8 18.6 27.8



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

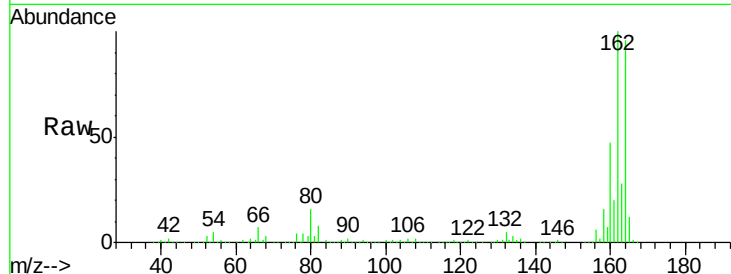




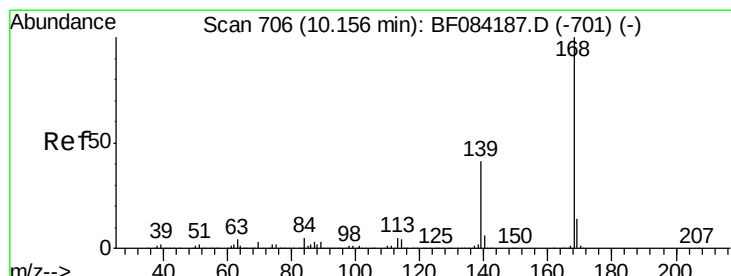
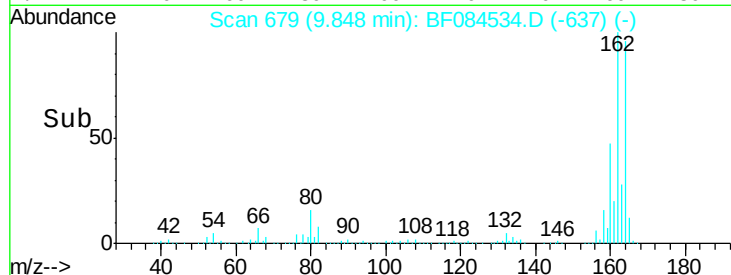
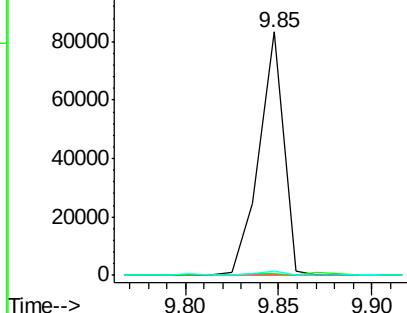
#50
 2,6-Dinitrotoluene
 Concen: 8.28 ng
 RT: 9.85 min Scan# 679
 Delta R.T. 0.18 min
 Lab File: BF084534.D
 Acq: 17 Jan 2016 14:21

Instrument :
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Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	28.8	43.2#
89	1.5	35.1	52.7#

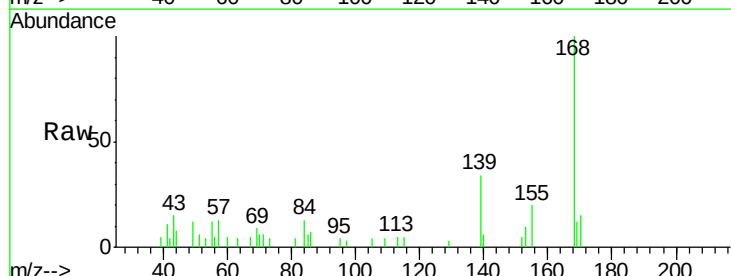


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

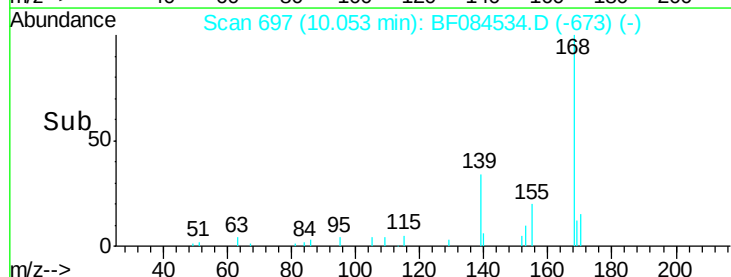
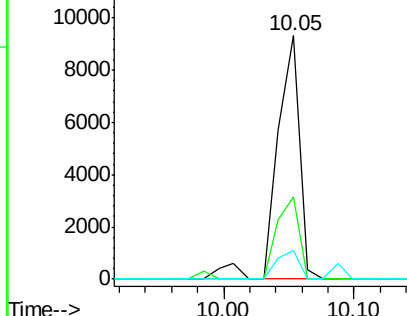


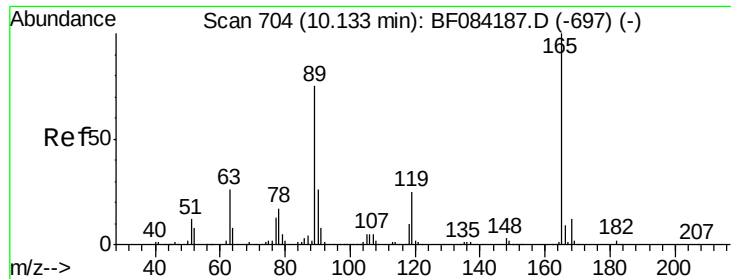
#54
 Dibenzofuran
 Concen: Below Cal
 RT: 10.05 min Scan# 697
 Delta R.T. -0.02 min
 Lab File: BF084534.D
 Acq: 17 Jan 2016 14:21

Tgt Ion	Ratio	Lower	Upper
168	100		
139	34.0	30.5	45.7
169	11.7	10.4	15.6



Abundance Ion 168.00 (167.70 to 168.70): E
 Ion 139.00 (138.70 to 139.70): E
 Ion 169.00 (168.70 to 169.70): E

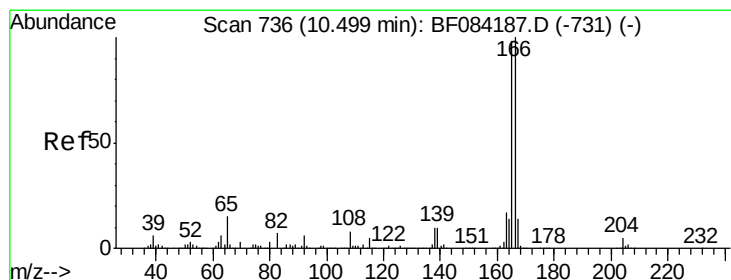
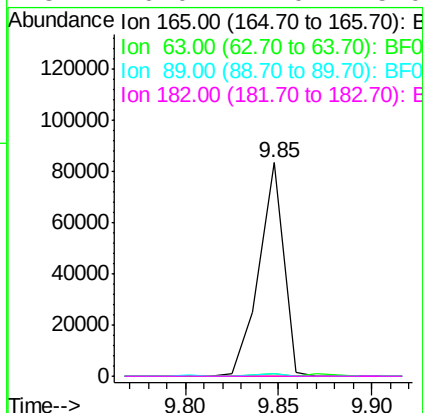
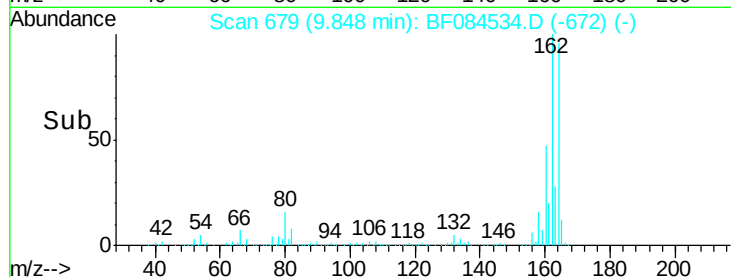
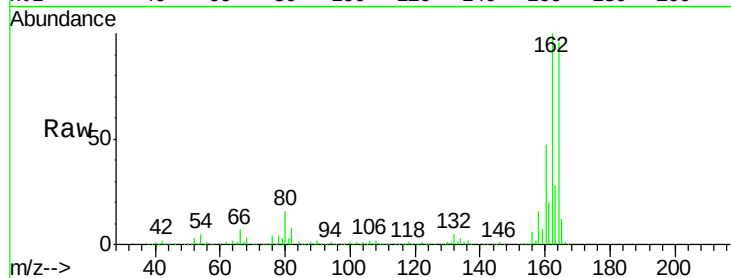




#56
2,4-Dinitrotoluene
Concen: 6.54 ng
RT: 9.85 min Scan# 679
Delta R.T. -0.22 min
Lab File: BF084534.D
Acq: 17 Jan 2016 14:21

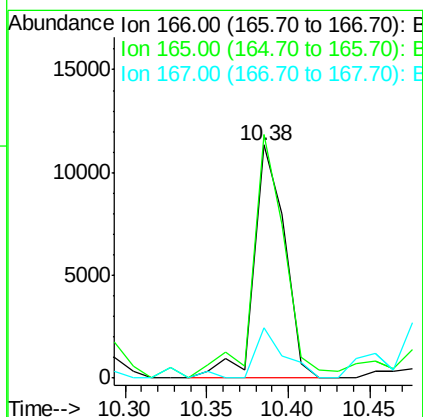
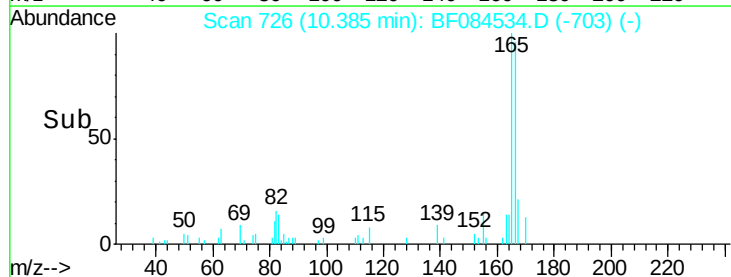
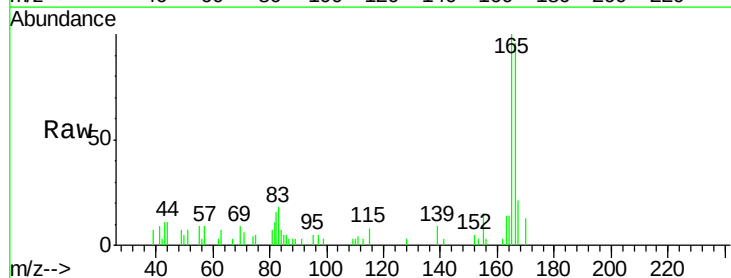
Instrument :
BNA_F
ClientSampleId :
POST-EX-7-20160114

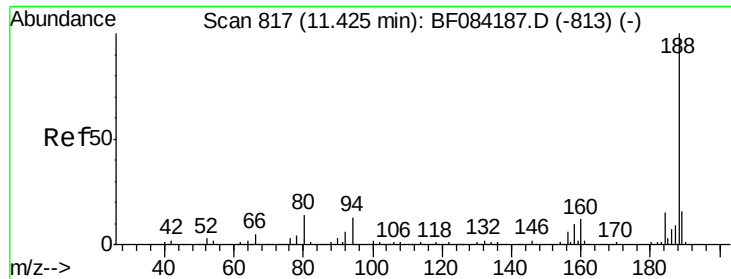
Tgt Ion:165 Resp: 76159
Ion Ratio Lower Upper
165 100
63 1.0 36.7 55.1#
89 1.5 61.9 92.9#
182 0.0 2.0 3.0#



#57
Fluorene
Concen: Below Cal
RT: 10.38 min Scan# 726
Delta R.T. -0.03 min
Lab File: BF084534.D
Acq: 17 Jan 2016 14:21

Tgt Ion:166 Resp: 14915
Ion Ratio Lower Upper
166 100
165 104.6 79.1 118.7
167 21.9 10.4 15.6#

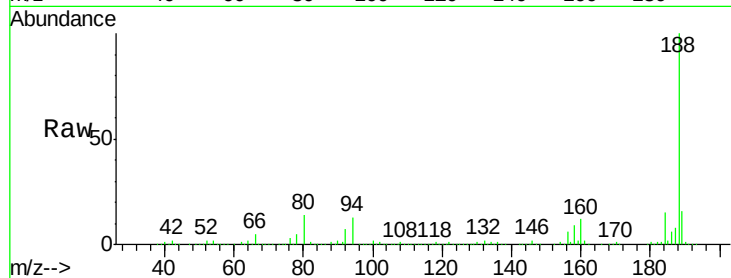




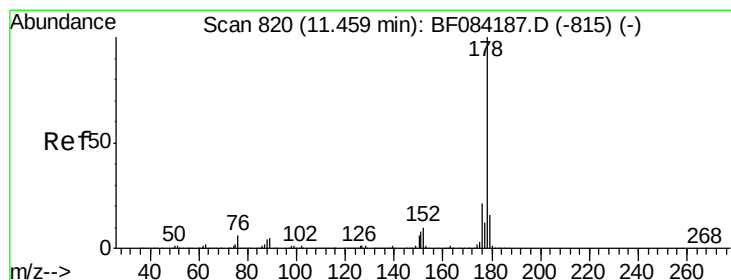
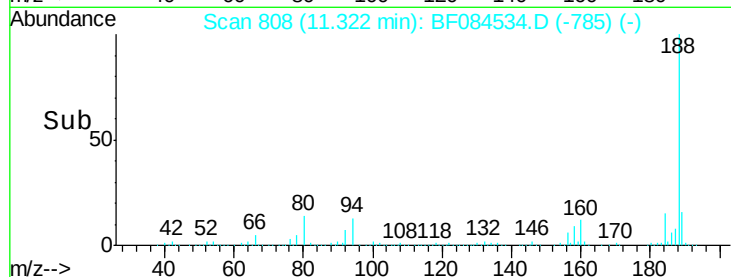
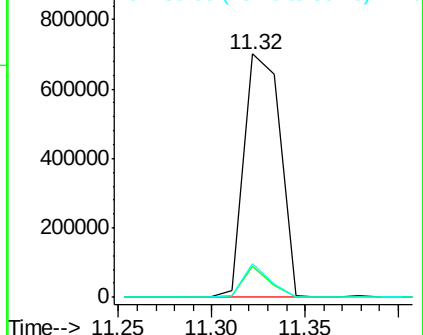
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 808
Delta R.T. -0.03 min
Lab File: BF084534.D
Acq: 17 Jan 2016 14:21

Instrument :
BNA_F
ClientSampleId :
POST-EX-7-20160114

Tgt Ion:188 Resp: 939693
Ion Ratio Lower Upper
188 100
94 12.9 9.0 13.4
80 13.8 9.6 14.4

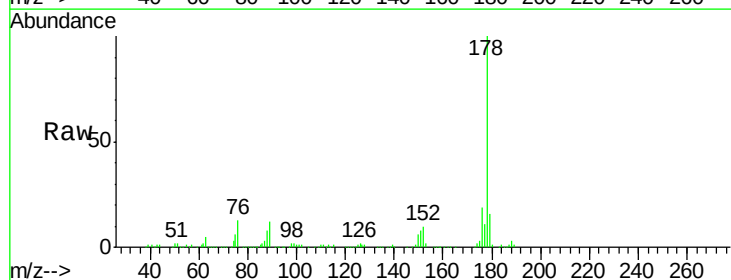


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

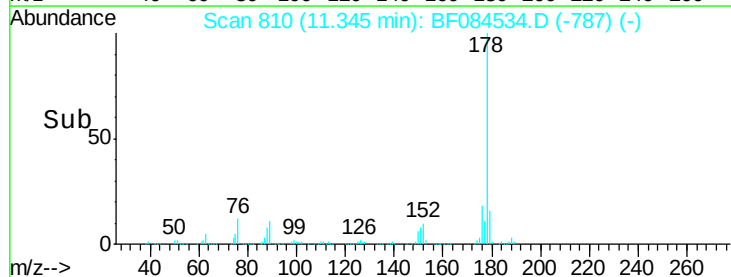
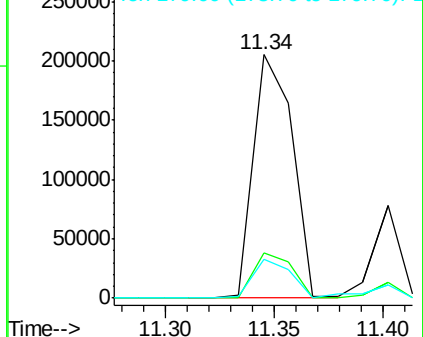


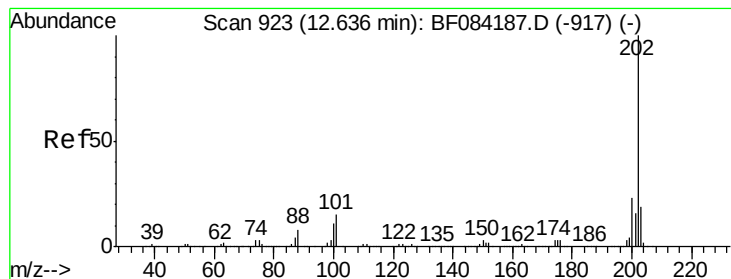
#70
Phenanthrene
Concen: 5.24 ng
RT: 11.34 min Scan# 810
Delta R.T. -0.03 min
Lab File: BF084534.D
Acq: 17 Jan 2016 14:21

Tgt Ion:178 Resp: 257445
Ion Ratio Lower Upper
178 100
176 18.6 15.3 22.9
179 15.8 12.0 18.0



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





#74

Fluoranthene

Concen: 7.63 ng

RT: 12.53 min Scan# 914

Delta R.T. -0.03 min

Lab File: BF084534.D

Acq: 17 Jan 2016 14:21

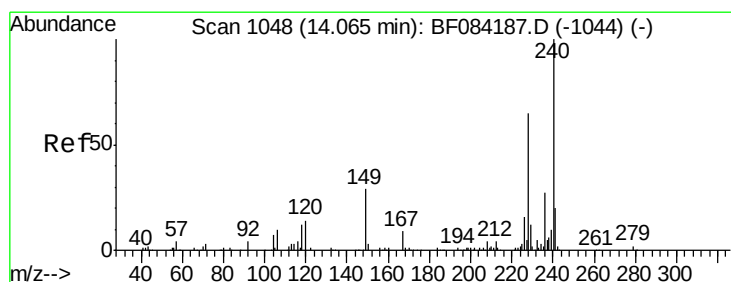
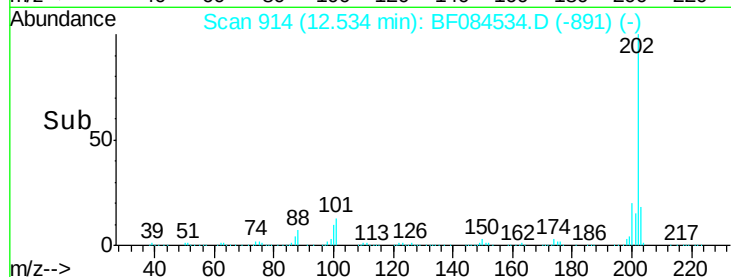
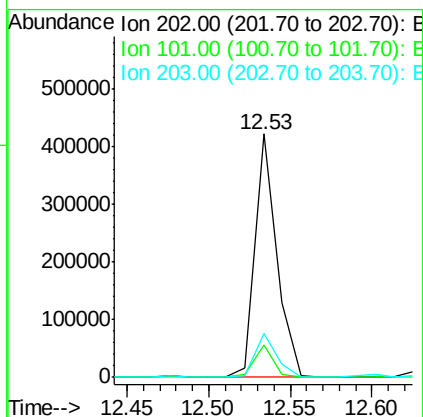
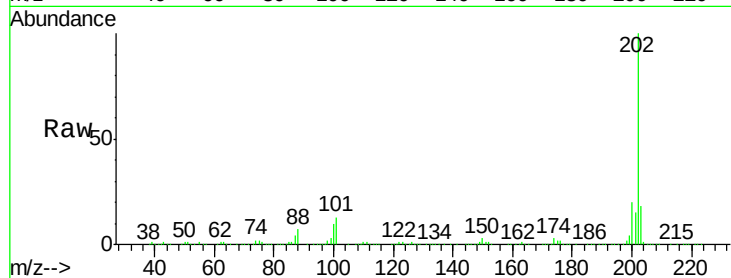
Instrument :

BNA_F

ClientSampleId :

POST-EX-7-20160114

Tgt Ion:	202	Resp:	391744
Ion	Ratio	Lower	Upper
202	100		
101	13.5	0.0	32.8
203	17.9	0.0	37.9



#75

Chrysene-d12

Concen: 20.00 ng

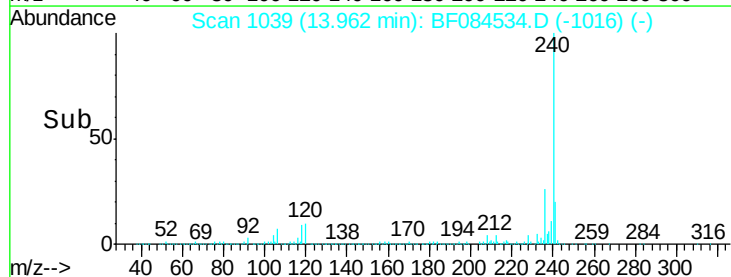
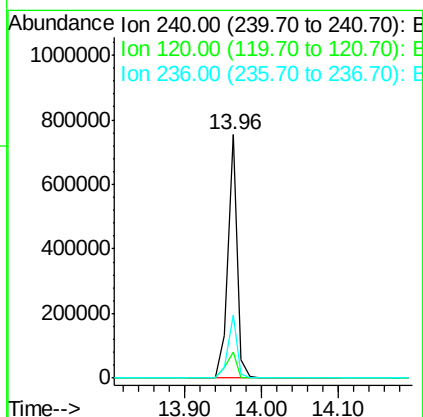
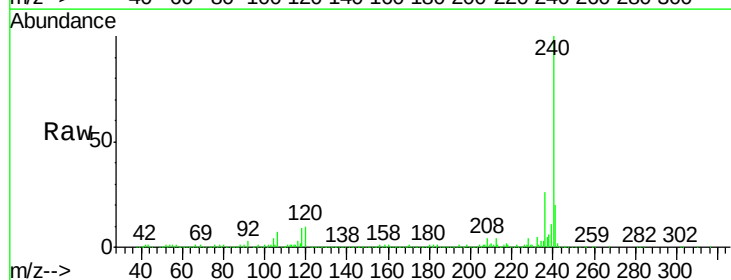
RT: 13.96 min Scan# 1039

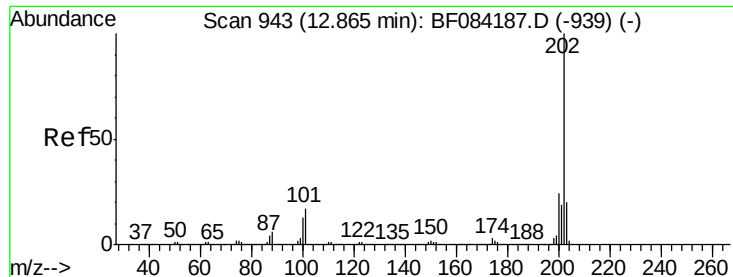
Delta R.T. -0.03 min

Lab File: BF084534.D

Acq: 17 Jan 2016 14:21

Tgt Ion:	240	Resp:	658530
Ion	Ratio	Lower	Upper
240	100		
120	10.4	9.5	14.3
236	26.2	20.6	31.0

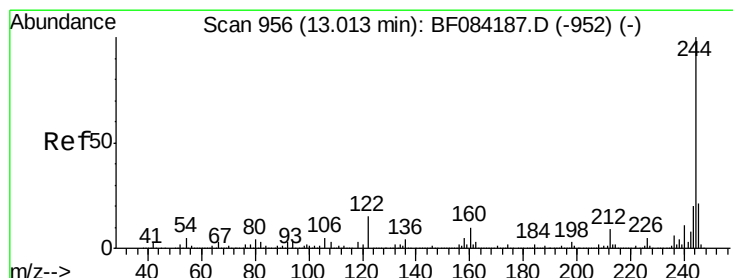
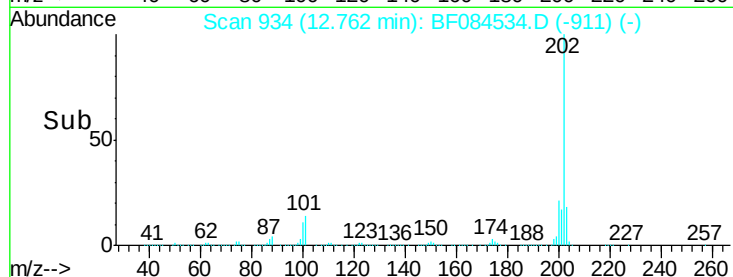
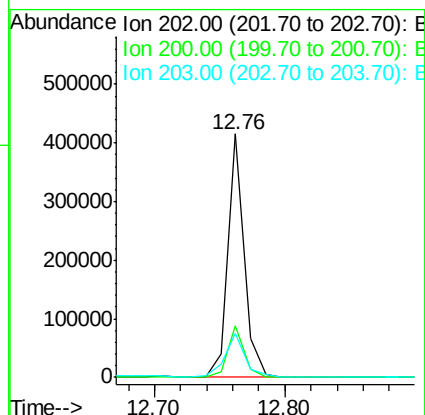
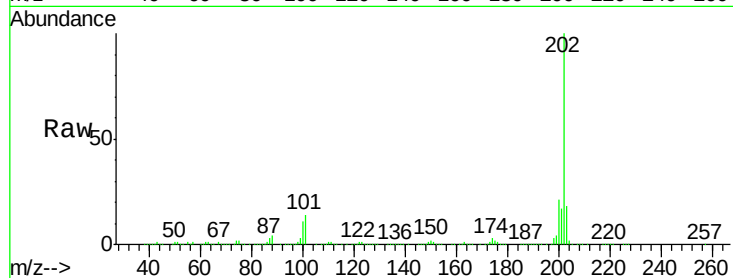




#77
 Pyrene
 Concen: 7.01 ng
 RT: 12.76 min Scan# 934
 Delta R.T. -0.03 min
 Lab File: BF084534.D
 Acq: 17 Jan 2016 14:21

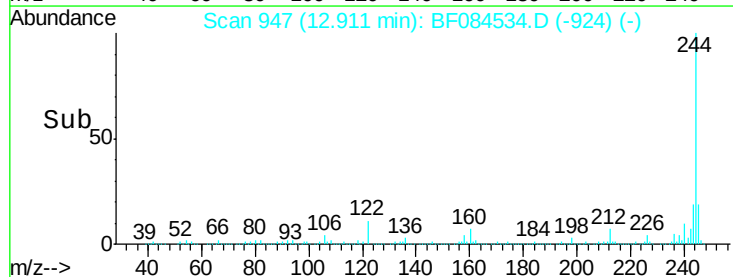
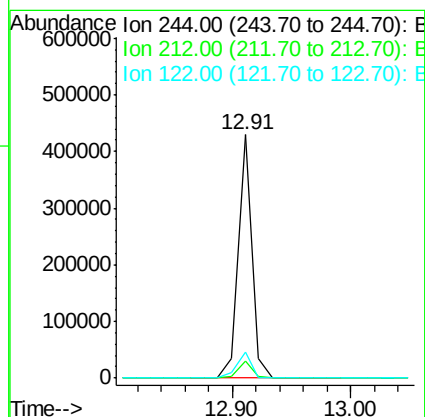
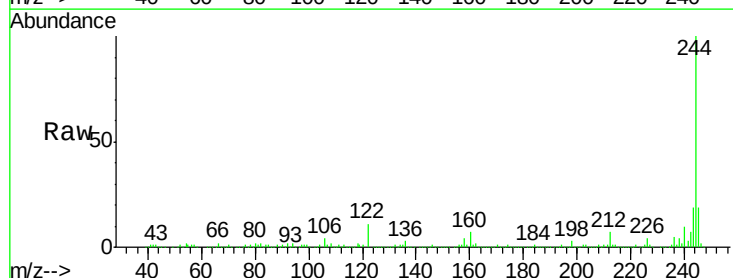
Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-7-20160114

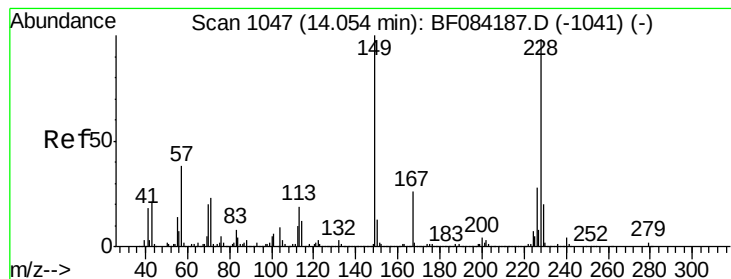
Tgt Ion: 202 Resp: 362288
 Ion Ratio Lower Upper
 202 100
 200 21.3 17.2 25.8
 203 18.3 14.3 21.5



#78
 Terphenyl-d14
 Concen: 11.66 ng
 RT: 12.91 min Scan# 947
 Delta R.T. -0.03 min
 Lab File: BF084534.D
 Acq: 17 Jan 2016 14:21

Tgt Ion: 244 Resp: 344115
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.7 8.5
 122 10.7 7.4 11.0





#80

Benzo(a)anthracene

Concen: 5.00 ng

RT: 13.95 min Scan# 1038

Delta R.T. -0.03 min

Lab File: BF084534.D

Acq: 17 Jan 2016 14:21

Instrument :

BNA_F

ClientSampleId :

POST-EX-7-20160114

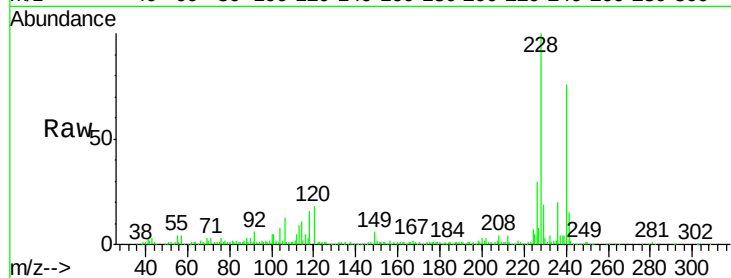
Tgt Ion:228 Resp: 193423

Ion Ratio Lower Upper

228 100

226 29.9 21.8 32.6

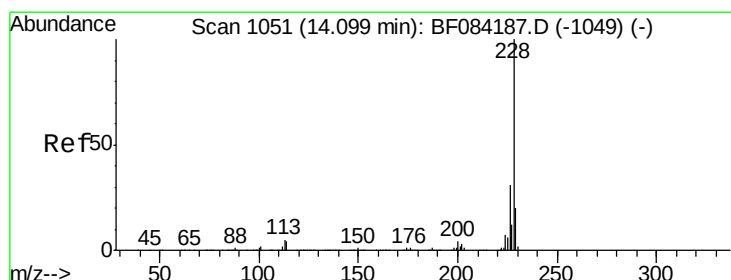
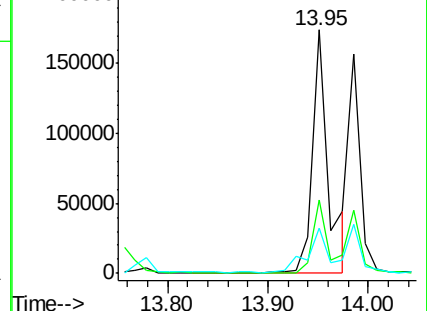
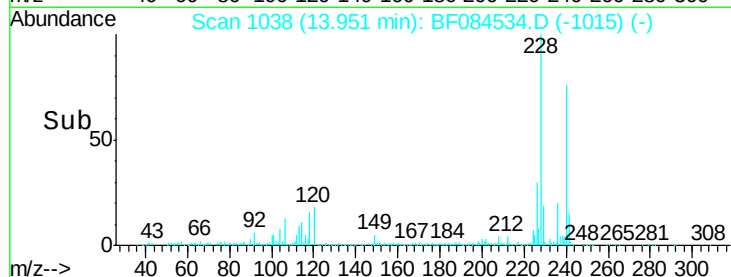
229 18.8 15.8 23.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 3.35 ng

RT: 13.99 min Scan# 1041

Delta R.T. -0.03 min

Lab File: BF084534.D

Acq: 17 Jan 2016 14:21

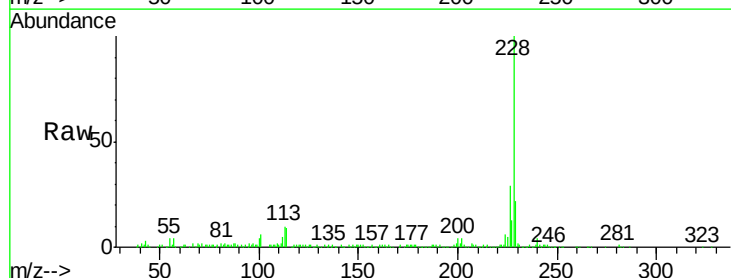
Tgt Ion:228 Resp: 124462

Ion Ratio Lower Upper

228 100

226 28.9 24.3 36.5

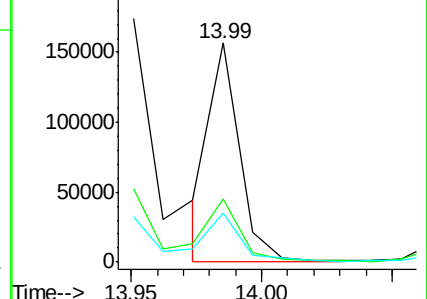
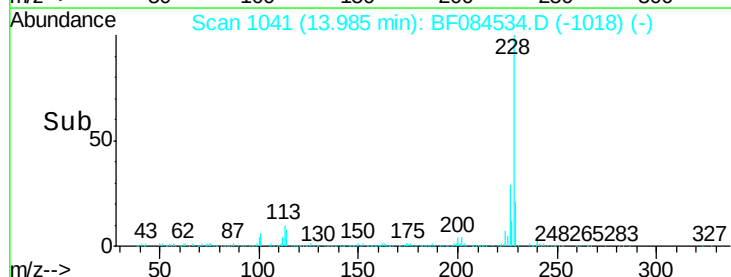
229 22.1 16.1 24.1

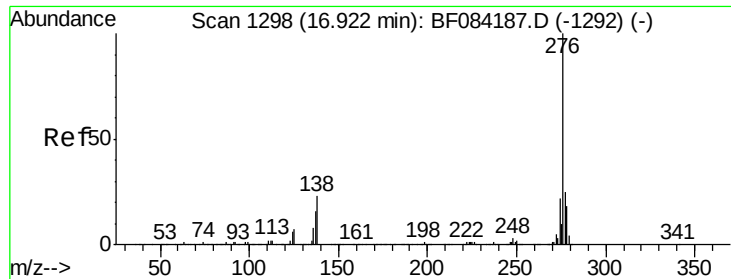


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

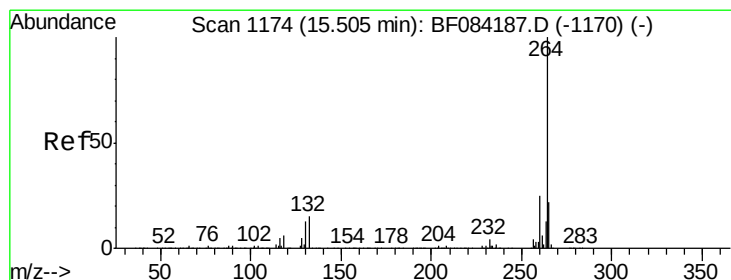
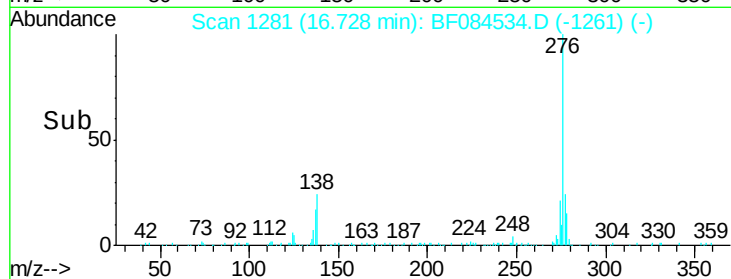
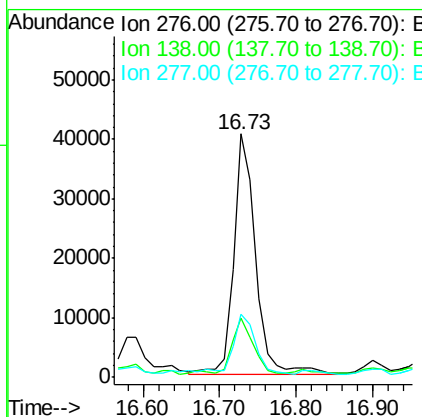
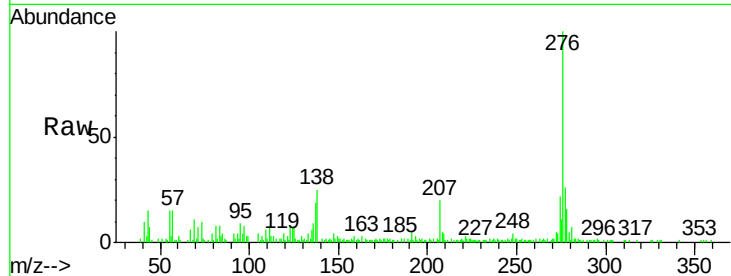




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.75 ng
 RT: 16.73 min Scan# 1281
 Delta R.T. -0.07 min
 Lab File: BF084534.D
 Acq: 17 Jan 2016 14:21

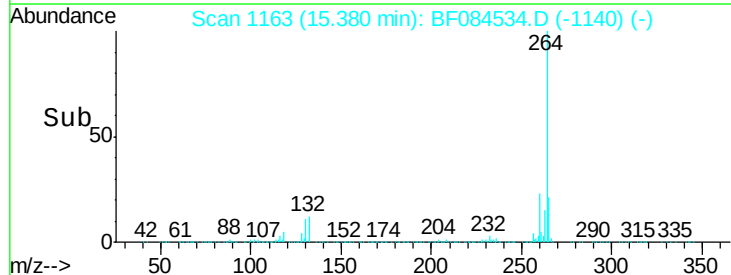
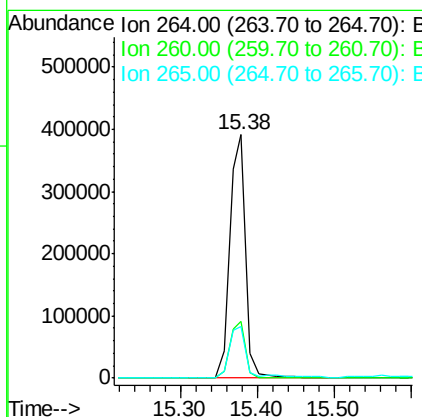
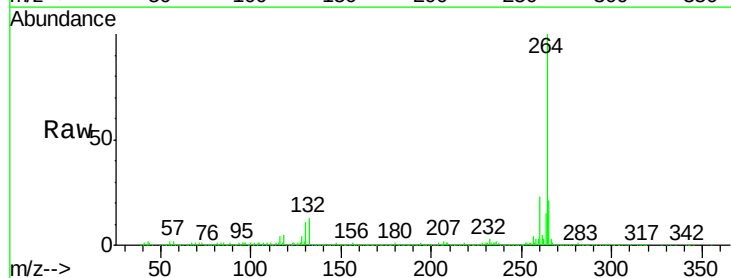
Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-7-20160114

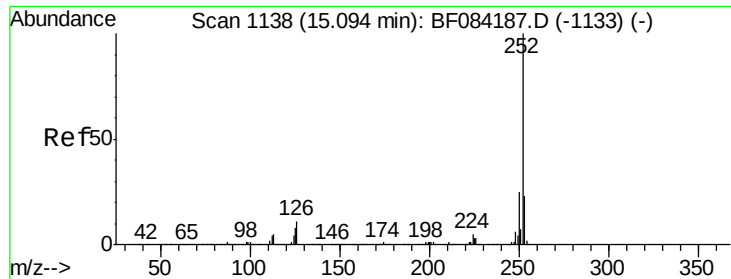
Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.4	20.6	30.8
277	25.2	20.1	30.1



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.38 min Scan# 1163
 Delta R.T. -0.03 min
 Lab File: BF084534.D
 Acq: 17 Jan 2016 14:21

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.4	29.2
265	21.4	17.8	26.6

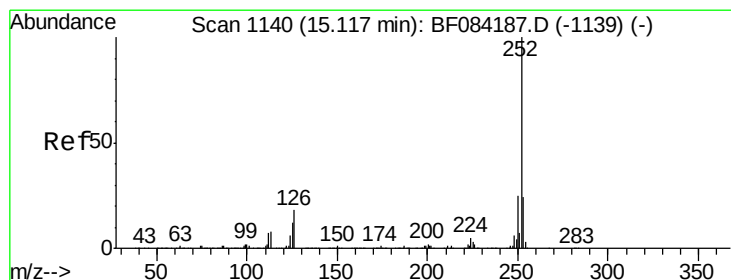
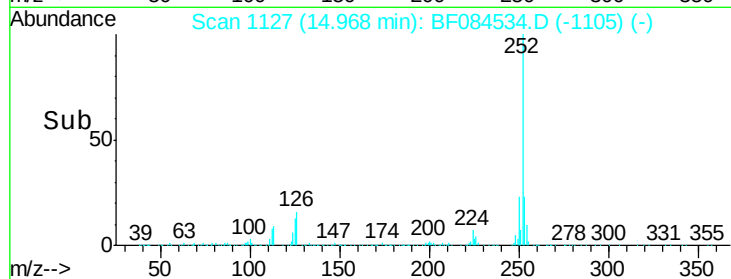
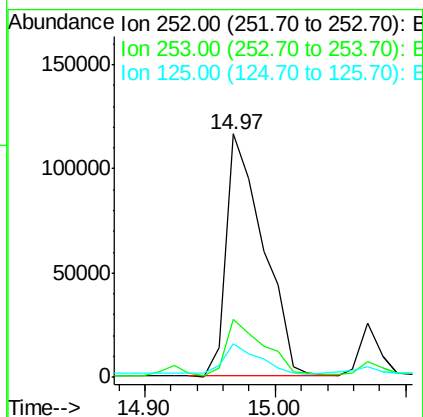
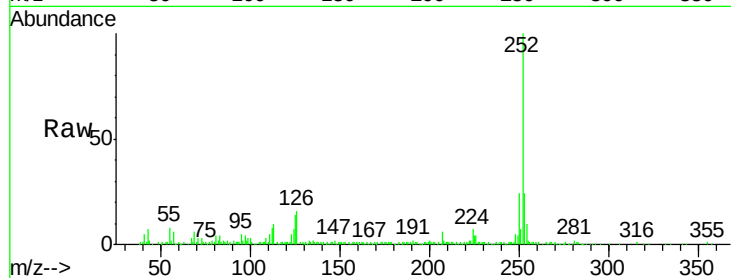




#87
Benzo(b)fluoranthene
Concen: 6.08 ng
RT: 14.97 min Scan# 1127
Delta R.T. -0.05 min
Lab File: BF084534.D
Acq: 17 Jan 2016 14:21

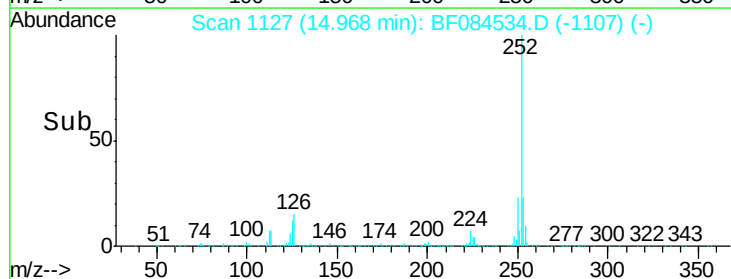
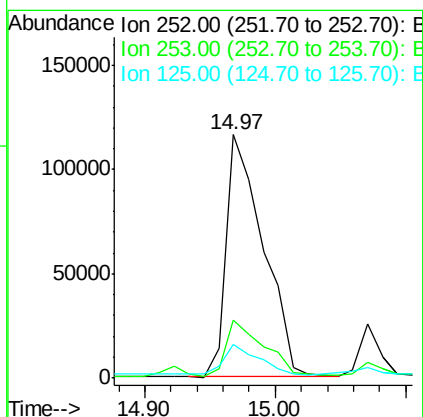
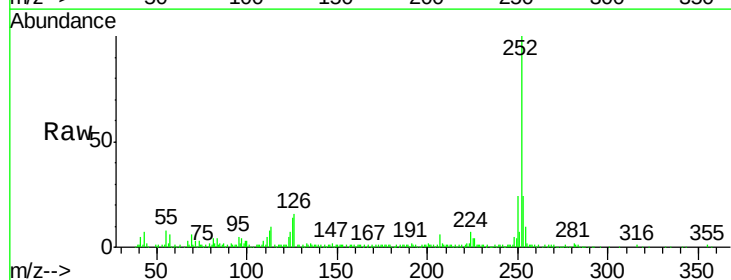
Instrument :
BNA_F
ClientSampleId :
POST-EX-7-20160114

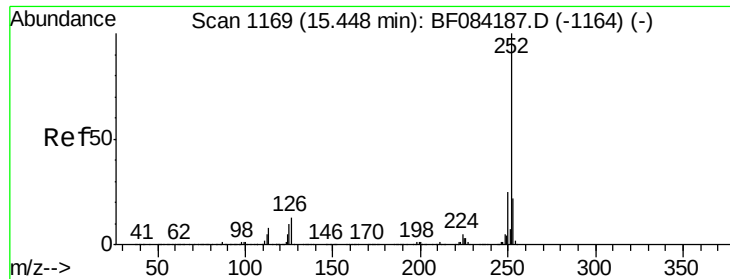
Tgt Ion:252 Resp: 228282
Ion Ratio Lower Upper
252 100
253 23.9 17.3 25.9
125 14.1 6.5 9.7#



#88
Benzo(k)fluoranthene
Concen: 7.43 ng
RT: 14.97 min Scan# 1127
Delta R.T. -0.07 min
Lab File: BF084534.D
Acq: 17 Jan 2016 14:21

Tgt Ion:252 Resp: 228282
Ion Ratio Lower Upper
252 100
253 23.9 18.1 27.1
125 14.1 9.0 13.6#





#89

Benzo(a)pyrene

Concen: 3.95 ng

RT: 15.31 min Scan# 1157

Delta R.T. -0.05 min

Lab File: BF084534.D

Acq: 17 Jan 2016 14:21

Instrument :

BNA_F

ClientSampleId :

POST-EX-7-20160114

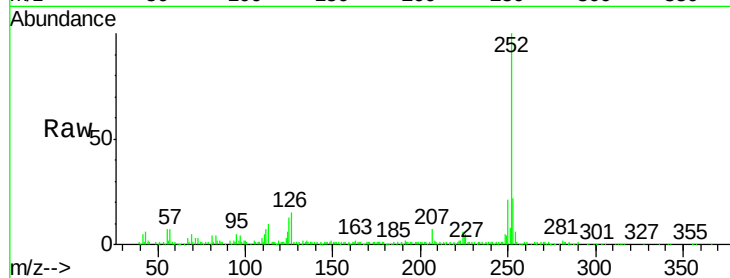
Tgt Ion:252 Resp: 125776

Ion Ratio Lower Upper

252 100

253 22.4 17.3 25.9

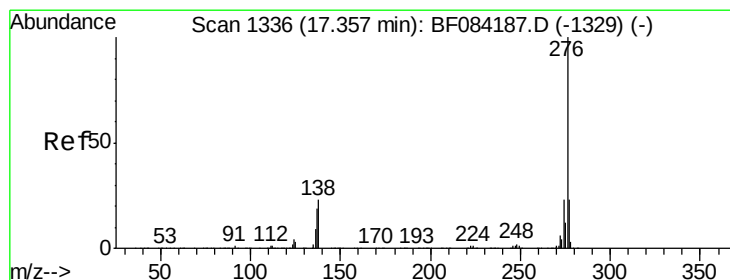
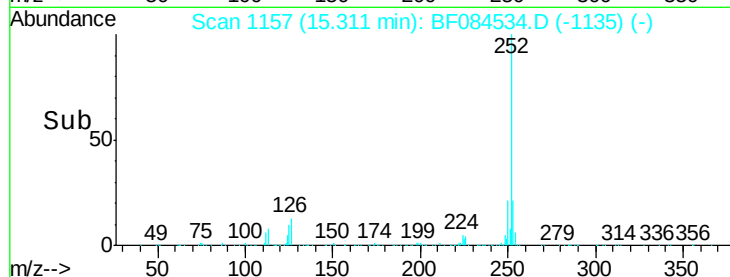
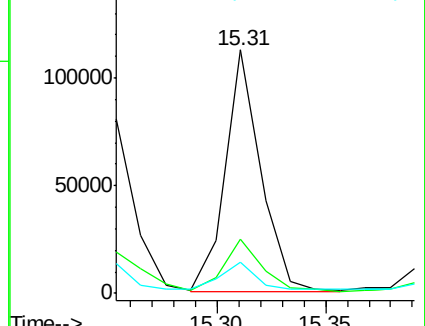
125 12.7 7.0 10.4#



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: 2.93 ng

RT: 17.14 min Scan# 1317

Delta R.T. -0.08 min

Lab File: BF084534.D

Acq: 17 Jan 2016 14:21

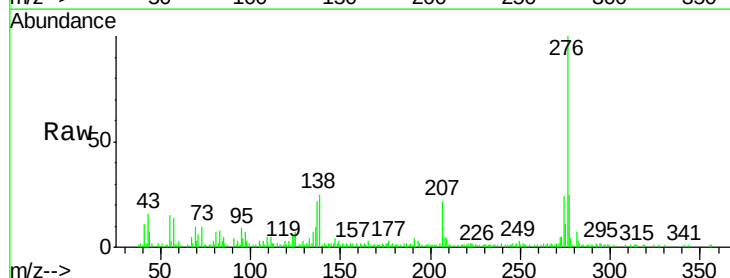
Tgt Ion:276 Resp: 83075

Ion Ratio Lower Upper

276 100

277 25.0 18.8 28.2

138 24.6 17.8 26.6



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

