

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011316\
 Data File : BF084480.D
 Acq On : 14 Jan 2016 10:07
 Operator : SJ/UM
 Sample : H1077-03 5X
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-3-20160108

Quant Time: Jan 15 17:34:36 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

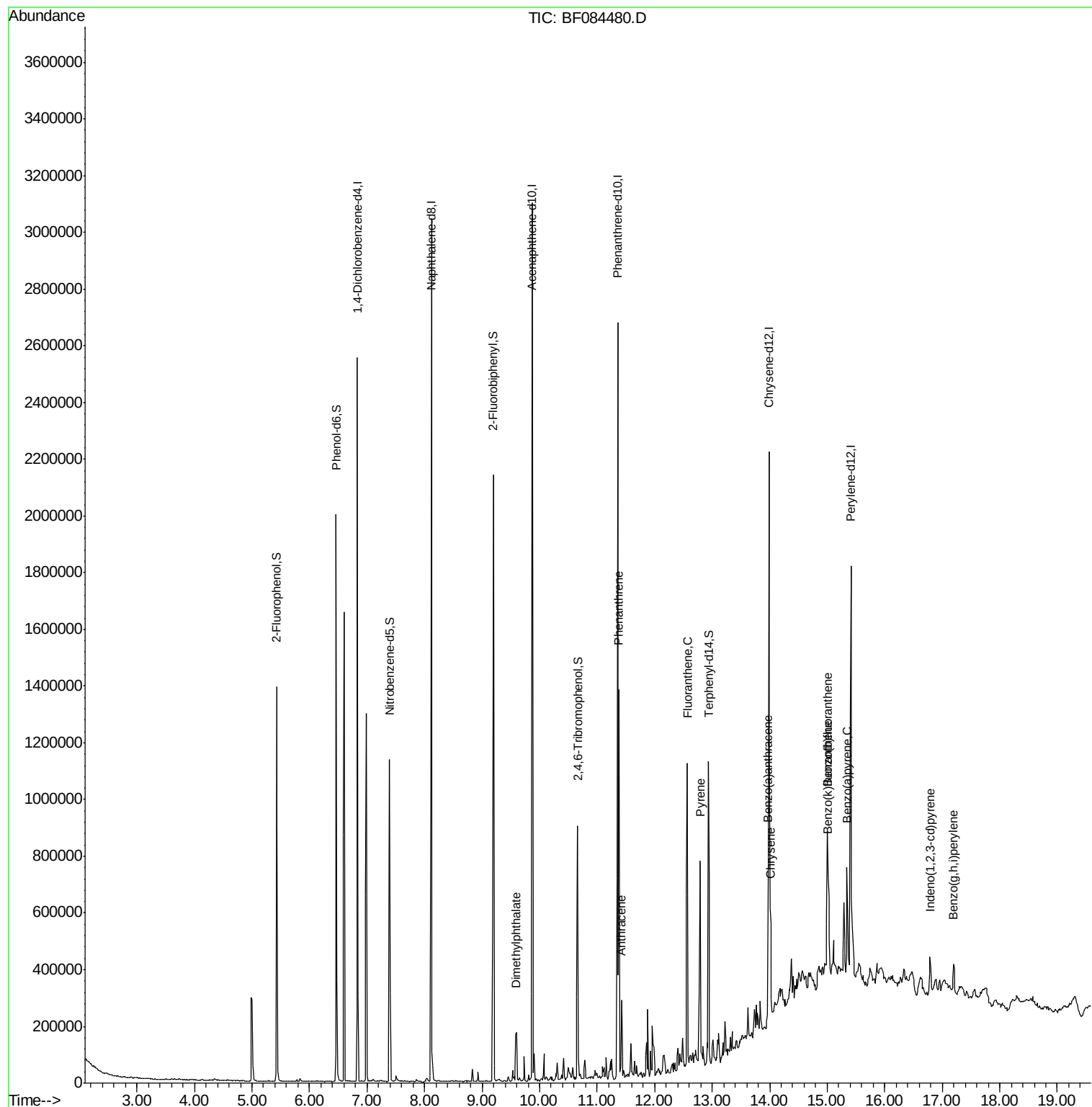
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	341778	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	1408859	20.00	ng	0.00
38) Acenaphthene-d10	9.87	164	588356	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	947551	20.00	ng	0.00
75) Chrysene-d12	13.99	240	681491	20.00	ng	-0.01
86) Perylene-d12	15.41	264	683059	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	489066	23.15	ng	-0.01
7) Phenol-d6	6.46	99	612357	23.07	ng	-0.01
23) Nitrobenzene-d5	7.39	82	352354	13.92	ng	-0.01
41) 2,4,6-Tribromophenol	10.66	330	108002	18.18	ng	-0.01
44) 2-Fluorobiphenyl	9.20	172	660196	14.49	ng	0.00
78) Terphenyl-d14	12.93	244	395662	12.96	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.60	163	108234	2.57	ng	# 90
70) Phenanthrene	11.38	178	479770	9.68	ng	99
71) Anthracene	11.42	178	109084	2.25	ng	99
74) Fluoranthene	12.57	202	517968	10.00	ng	95
77) Pyrene	12.80	202	421480	7.88	ng	98
80) Benzo(a)anthracene	13.97	228	249142	6.23	ng	98
82) Chrysene	14.02	228	196103	5.10	ng	98
85) Indeno(1,2,3-cd)pyrene	16.79	276	98552	3.23	ng	96
87) Benzo(b)fluoranthene	15.00	252	240782m	5.39	ng	
88) Benzo(k)fluoranthene	15.01	252	114579m	3.14	ng	
89) Benzo(a)pyrene	15.35	252	182644	4.82	ng	# 92
91) Benzo(a,h,i)perylene	17.20	276	87191	2.58	ng	# 92

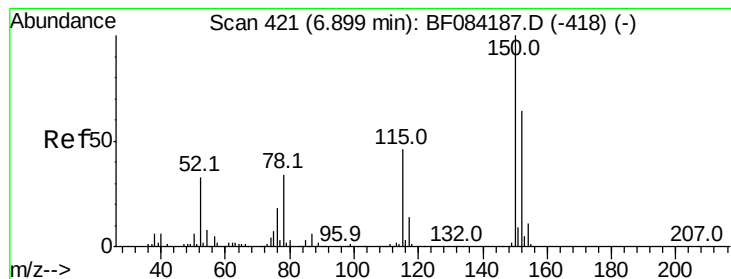
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 15 17:34:36 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



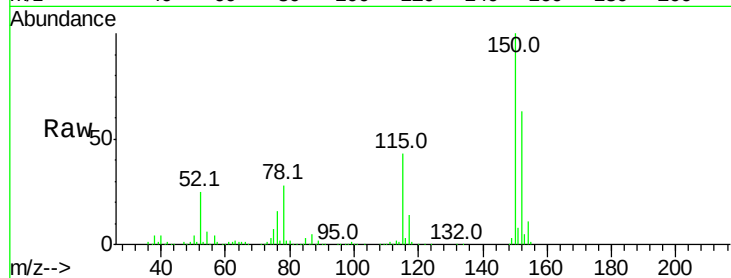


#1

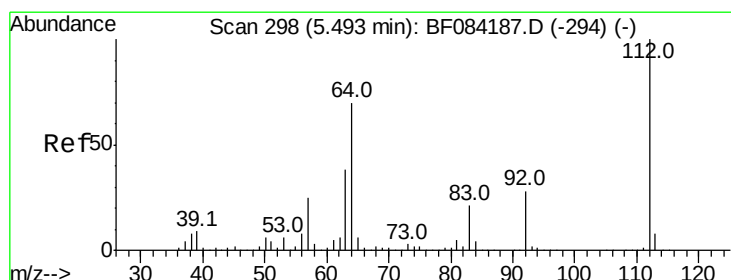
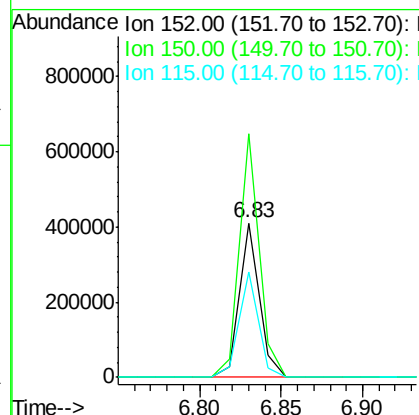
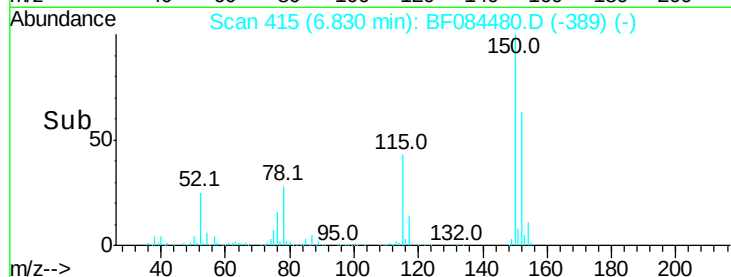
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.83 min Scan# 415
Delta R.T. 0.00 min
Lab File: BF084480.D
Acq: 14 Jan 2016 10:07

Instrument :
BNA_F
ClientSampleId :
POST-EX-3-20160108

Tot Ion:152 Resp: 341778
Ion Ratio Lower Upper
152 100
150 157.6 123.0 184.4
115 68.5 51.4 77.2



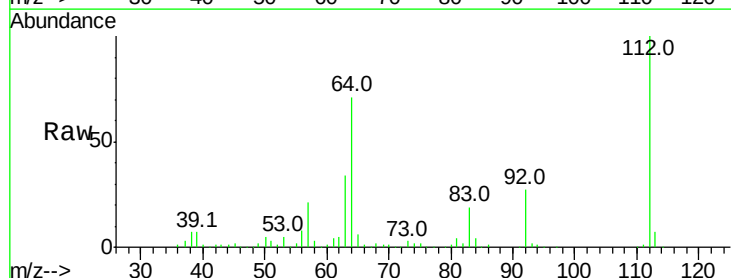
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



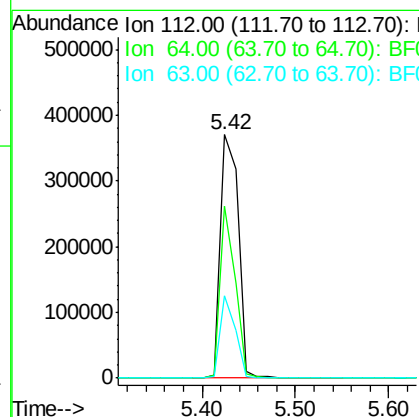
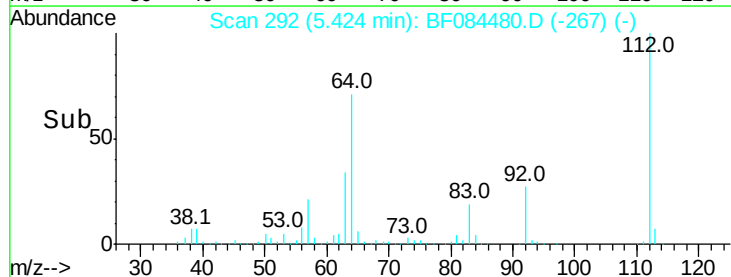
#5

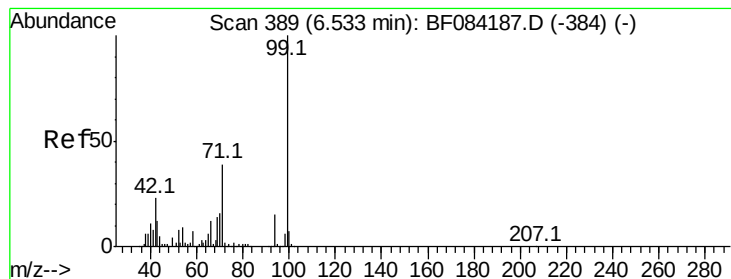
2-Fluorophenol
Concen: 23.15 ng
RT: 5.42 min Scan# 292
Delta R.T. -0.01 min
Lab File: BF084480.D
Acq: 14 Jan 2016 10:07

Tgt Ion:112 Resp: 489066
Ion Ratio Lower Upper
112 100
64 70.8 36.6 55.0#
63 33.9 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: 23.07 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.01 min

Lab File: BF084480.D

Acq: 14 Jan 2016 10:07

Instrument :

BNA_F

ClientSampleId :

POST-EX-3-20160108

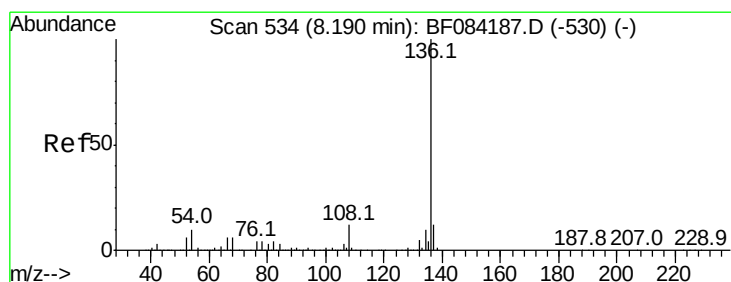
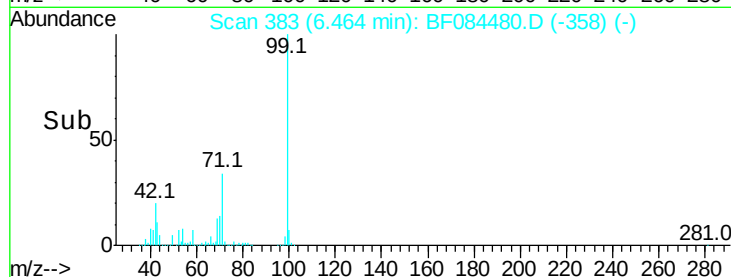
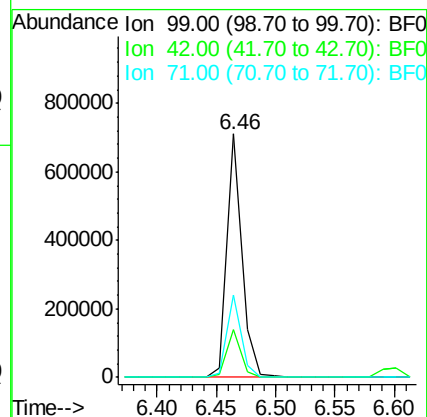
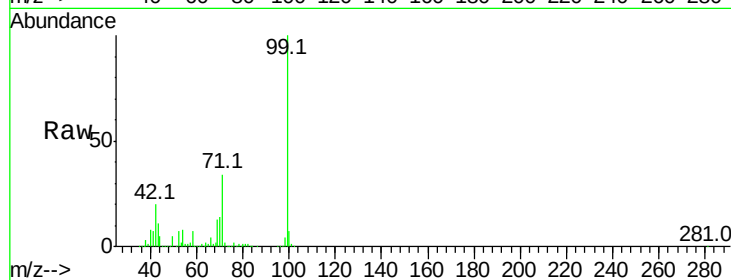
Tot Ion: 99 Resp: 612357

Ion Ratio Lower Upper

99 100

42 19.9 12.8 19.2#

71 34.0 30.9 46.3



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.12 min Scan# 528

Delta R.T. 0.00 min

Lab File: BF084480.D

Acq: 14 Jan 2016 10:07

Tgt Ion: 136 Resp: 1408859

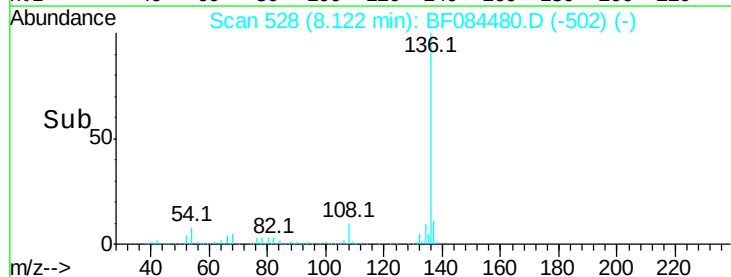
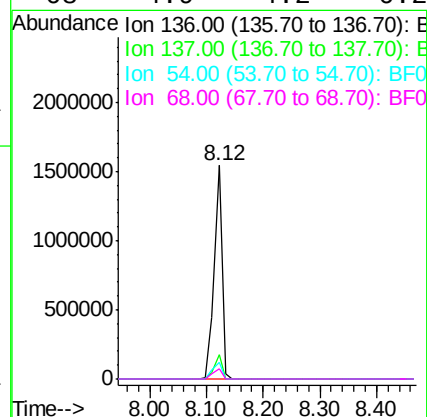
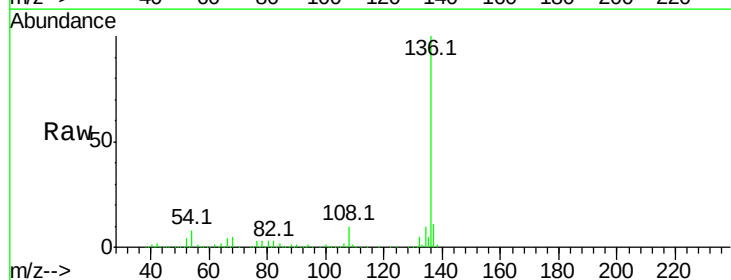
Ion Ratio Lower Upper

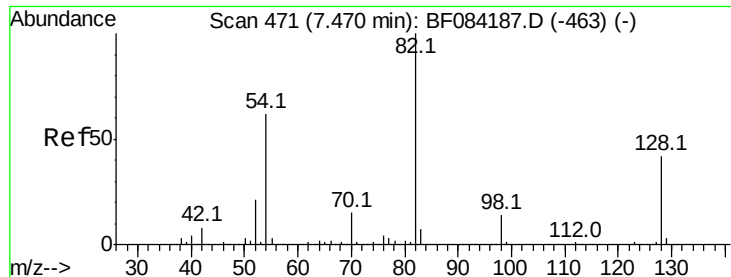
136 100

137 11.3 8.7 13.1

54 7.8 5.8 8.8

68 4.9 4.2 6.2





#23

Nitrobenzene-d5

Concen: 13.92 ng

RT: 7.39 min Scan# 464

Delta R.T. -0.01 min

Lab File: BF084480.D

Acq: 14 Jan 2016 10:07

Instrument :

BNA_F

ClientSampleId :

POST-EX-3-20160108

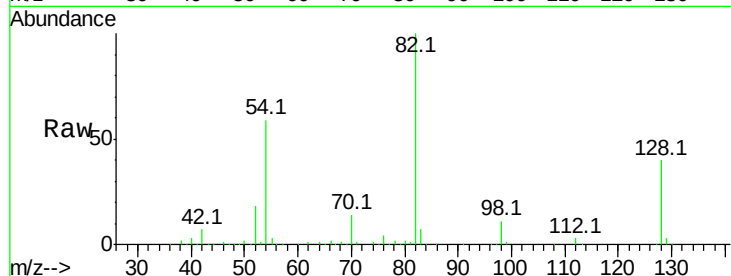
Tot Ion: 82 Resp: 352354

Ion Ratio Lower Upper

82 100

128 39.8 34.6 51.8

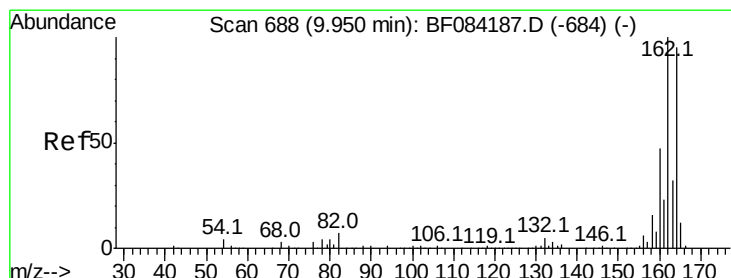
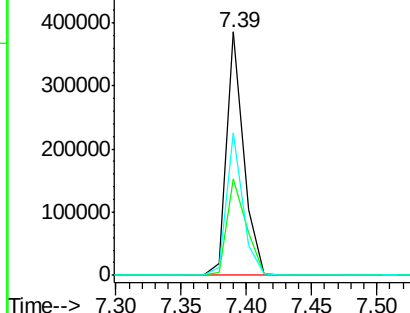
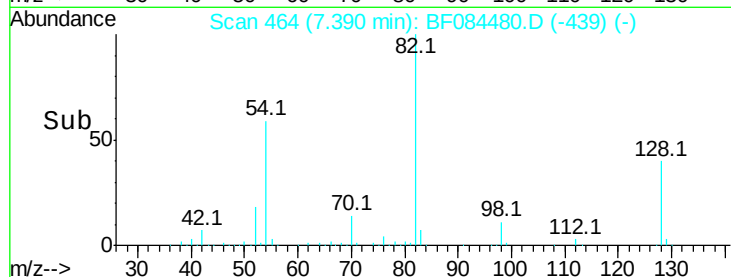
54 58.7 38.4 57.6#



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.87 min Scan# 681

Delta R.T. 0.00 min

Lab File: BF084480.D

Acq: 14 Jan 2016 10:07

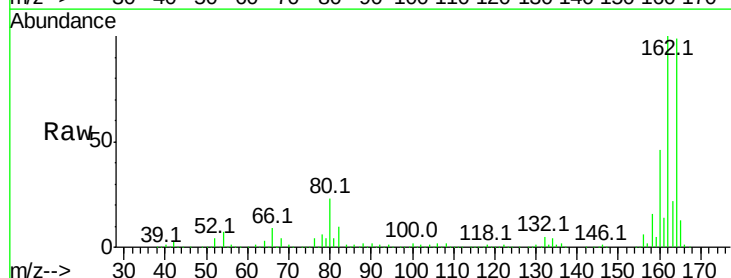
Tgt Ion: 164 Resp: 588356

Ion Ratio Lower Upper

164 100

162 101.2 85.1 127.7

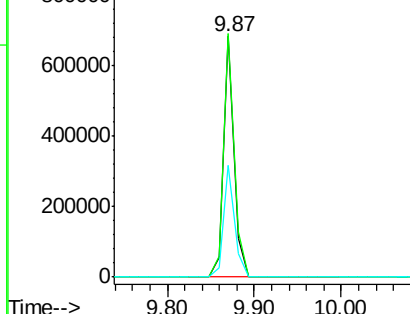
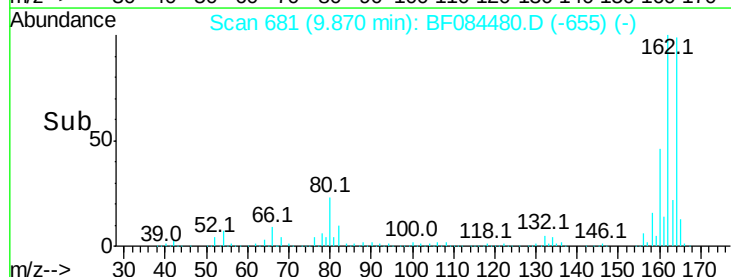
160 46.7 37.5 56.3

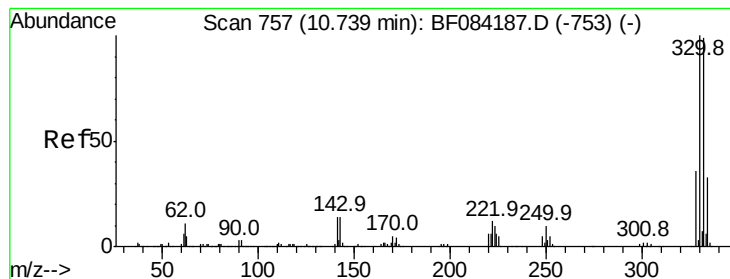


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 18.18 ng

RT: 10.66 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF084480.D

Acq: 14 Jan 2016 10:07

Instrument :

BNA_F

ClientSampleId :

POST-EX-3-20160108

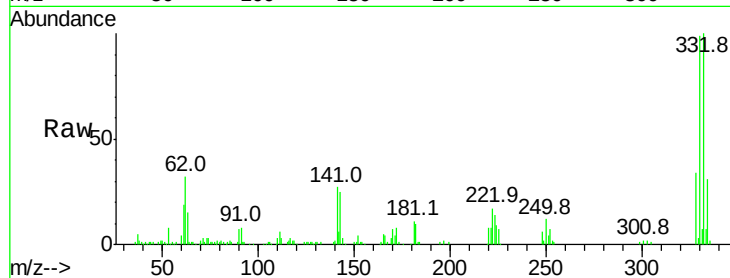
Tot Ion:330 Resp: 108002

Ion Ratio Lower Upper

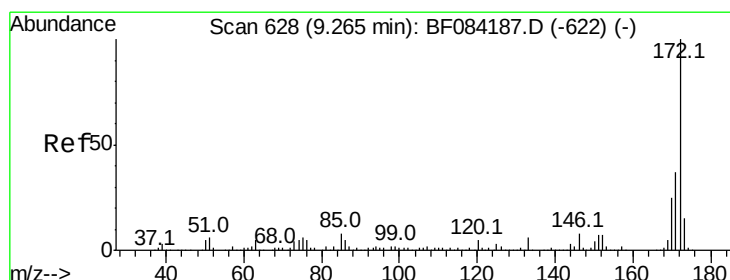
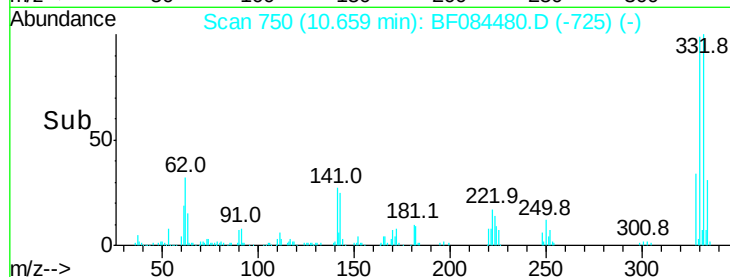
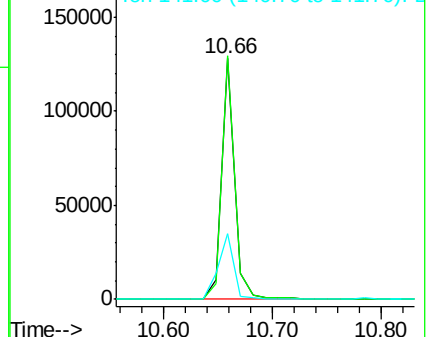
330 100

332 99.2 76.6 114.8

141 33.0 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: 14.49 ng

RT: 9.20 min Scan# 622

Delta R.T. 0.00 min

Lab File: BF084480.D

Acq: 14 Jan 2016 10:07

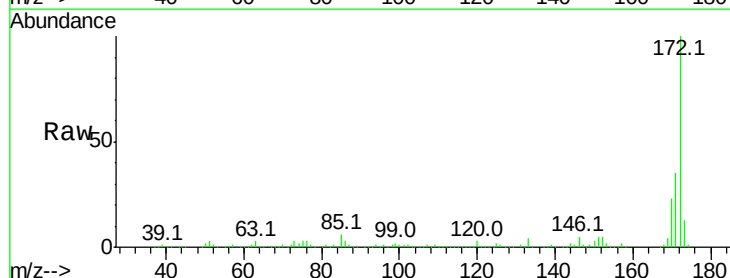
Tgt Ion:172 Resp: 660196

Ion Ratio Lower Upper

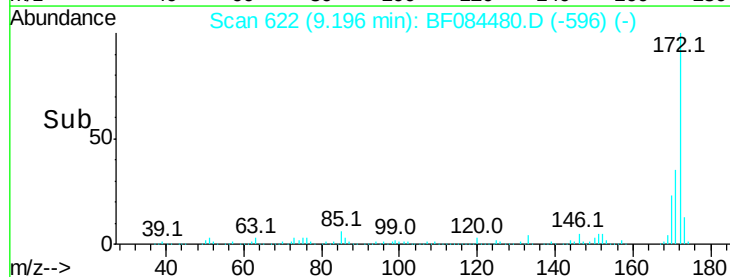
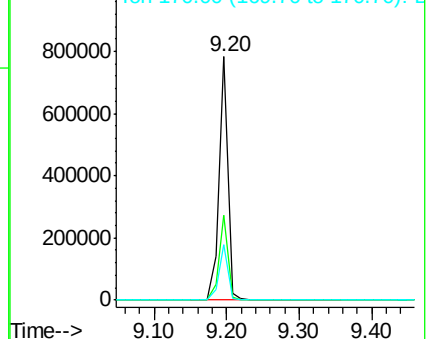
172 100

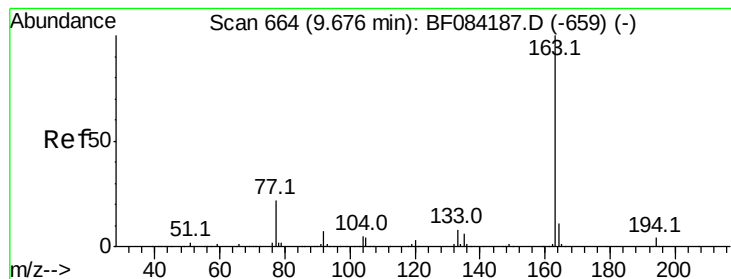
171 35.0 28.9 43.3

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





#49

Dimethylphthalate

Concen: 2.57 ng

RT: 9.60 min Scan# 657

Delta R.T. -0.01 min

Lab File: BF084480.D

Acq: 14 Jan 2016 10:07

Instrument :

BNA_F

ClientSampleId :

POST-EX-3-20160108

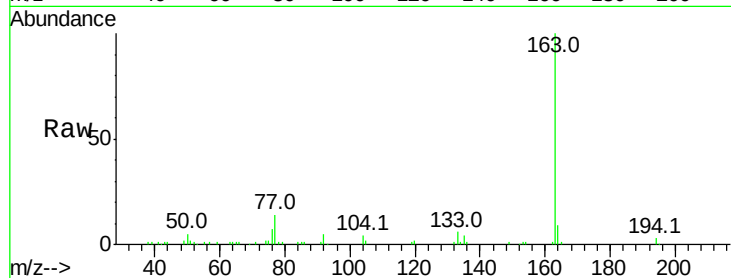
Tot Ion:163 Resp: 108234

Ion Ratio Lower Upper

163 100

194 3.4 8.0 12.0#

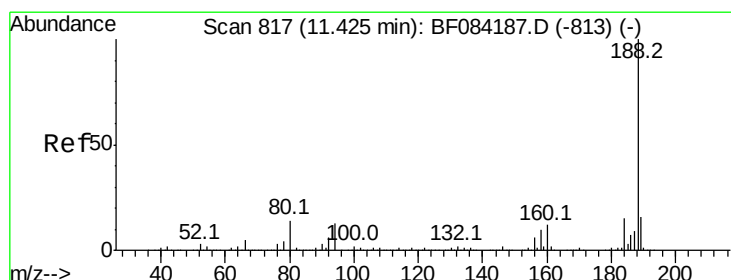
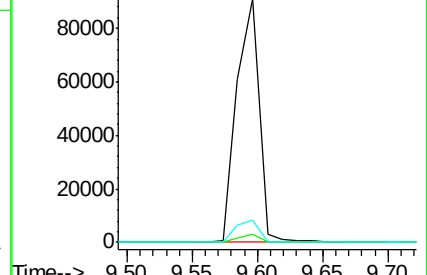
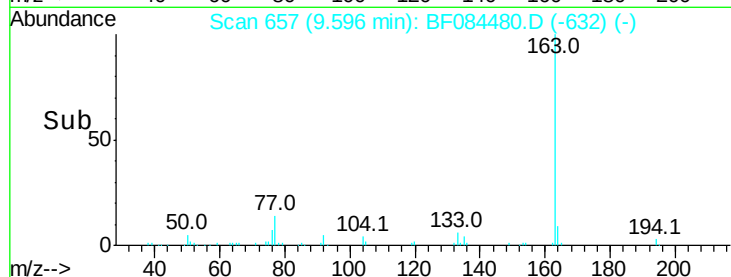
164 9.3 8.0 12.0



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: 11.36 min Scan# 811

Delta R.T. 0.00 min

Lab File: BF084480.D

Acq: 14 Jan 2016 10:07

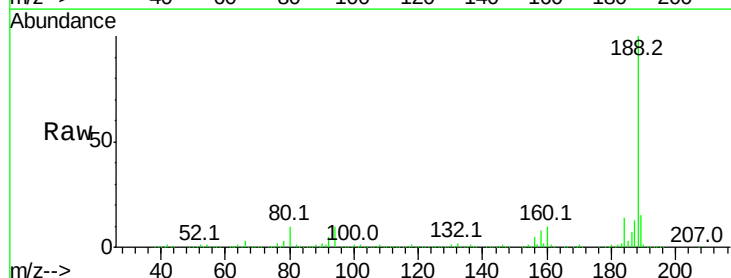
Tgt Ion:188 Resp: 947551

Ion Ratio Lower Upper

188 100

94 9.6 9.0 13.4

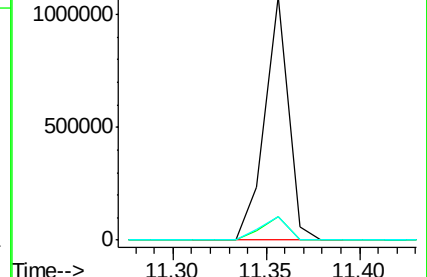
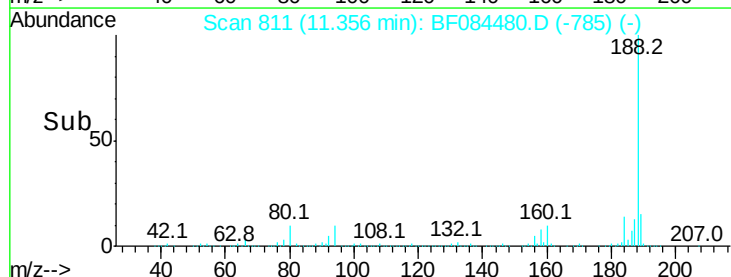
80 9.9 9.6 14.4

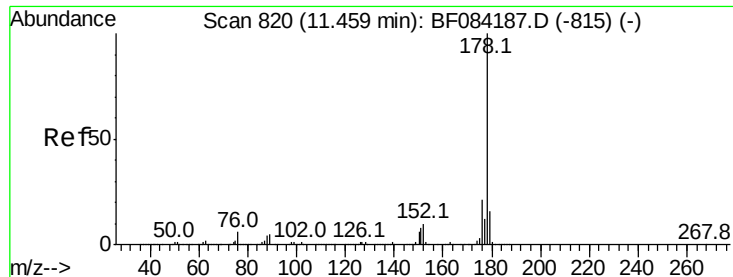


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

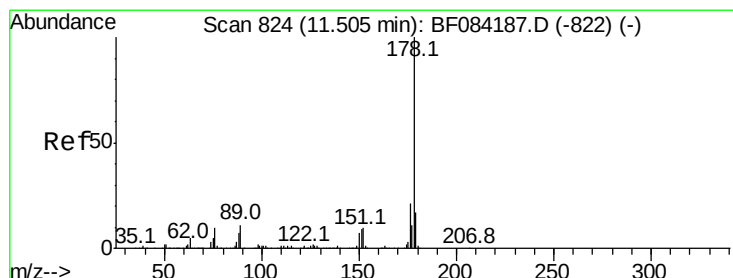
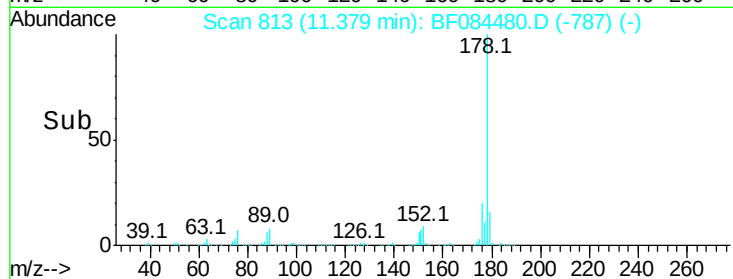
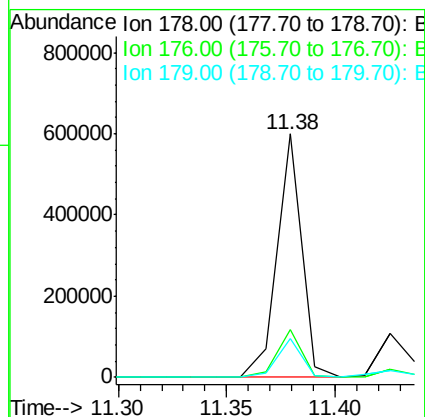
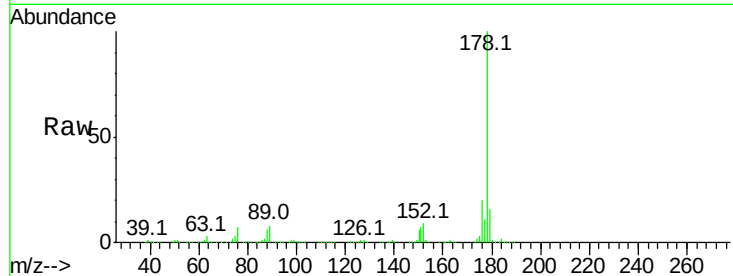




#70
Phenanthrene
Concen: 9.68 ng
RT: 11.38 min Scan# 813
Delta R.T. 0.00 min
Lab File: BF084480.D
Acq: 14 Jan 2016 10:07

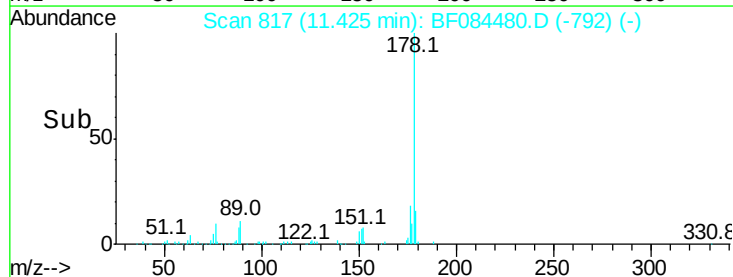
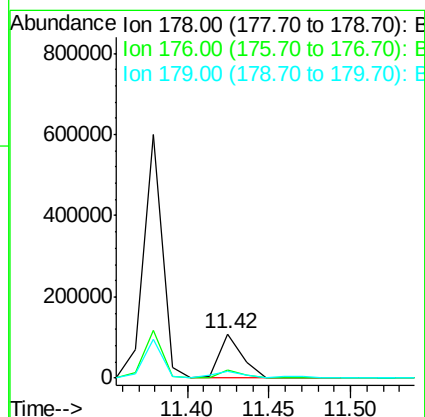
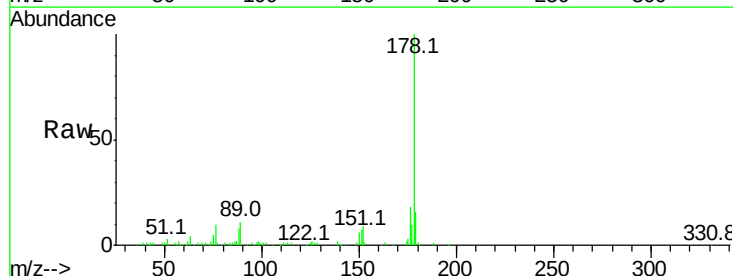
Instrument :
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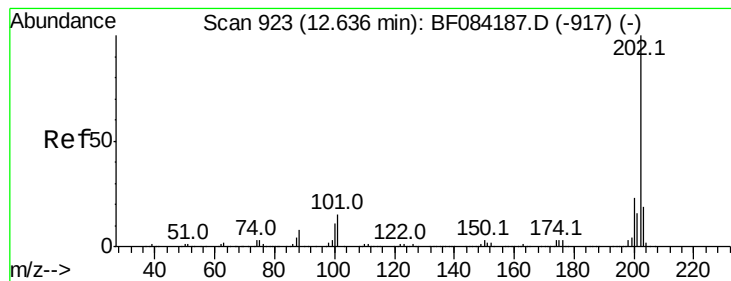
Tot Ion:178 Resp: 479770
Ion Ratio Lower Upper
178 100
176 19.5 15.3 22.9
179 15.8 12.0 18.0



#71
Anthracene
Concen: 2.25 ng
RT: 11.42 min Scan# 817
Delta R.T. -0.01 min
Lab File: BF084480.D
Acq: 14 Jan 2016 10:07

Tgt Ion:178 Resp: 109084
Ion Ratio Lower Upper
178 100
176 18.4 15.4 23.0
179 16.1 12.5 18.7

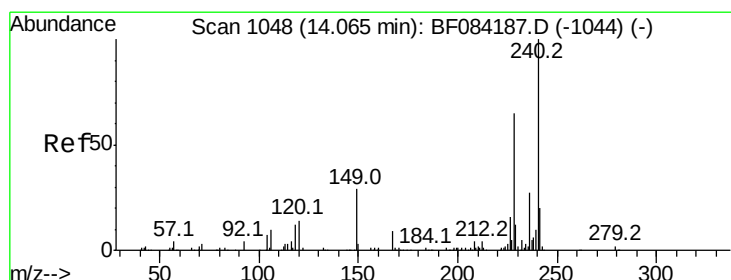
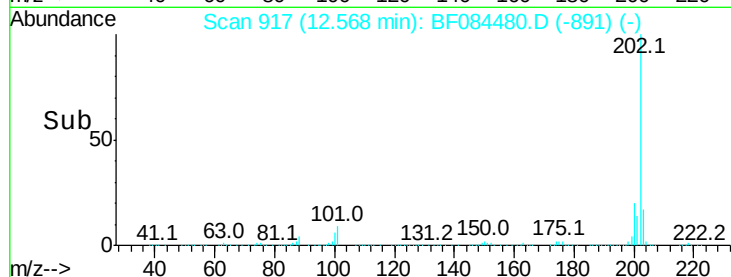
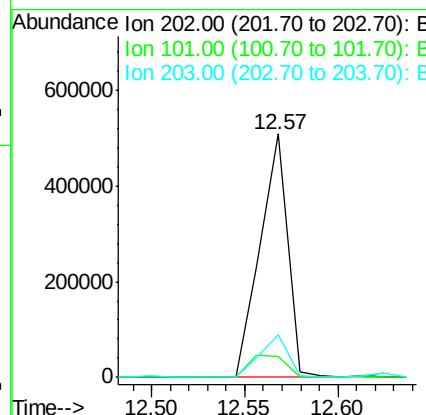
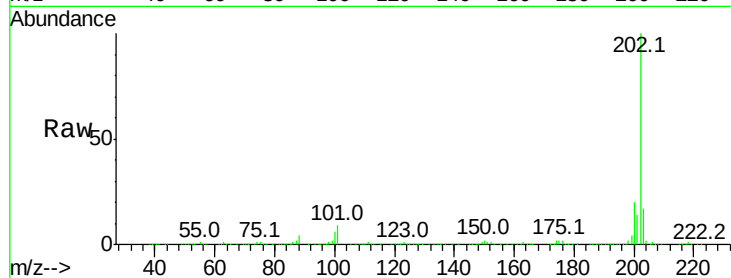




#74
Fluoranthene
Concen: 10.00 ng
RT: 12.57 min Scan# 917
Delta R.T. 0.00 min
Lab File: BF084480.D
Acq: 14 Jan 2016 10:07

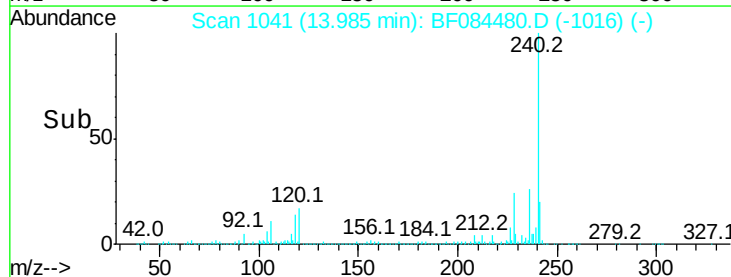
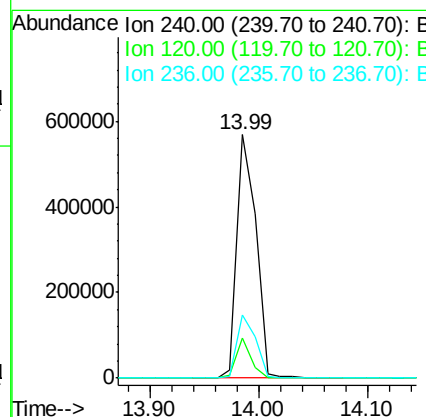
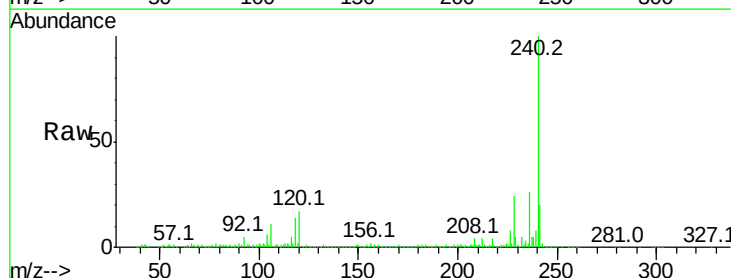
Instrument :
BNA_F
ClientSampleId :
POST-EX-3-20160108

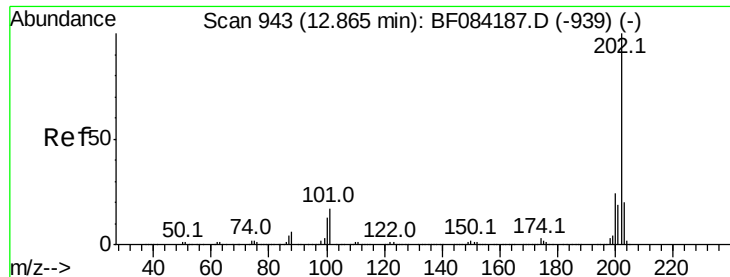
Tot Ion:202 Resp: 517968
Ion Ratio Lower Upper
202 100
101 8.7 0.0 32.8
203 17.3 0.0 37.9



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.99 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BF084480.D
Acq: 14 Jan 2016 10:07

Tgt Ion:240 Resp: 681491
Ion Ratio Lower Upper
240 100
120 16.7 9.5 14.3#
236 25.9 20.6 31.0





#77

Pvrene

Concen: 7.88 ng

RT: 12.80 min Scan# 937

Delta R.T. 0.00 min

Lab File: BF084480.D

Acq: 14 Jan 2016 10:07

Instrument :

BNA_F

ClientSampleId :

POST-EX-3-20160108

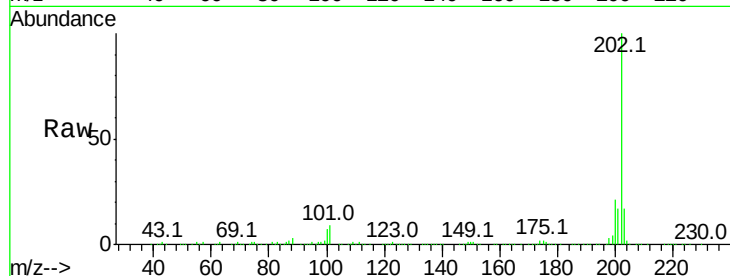
Tot Ion:202 Resp: 421480

Ion Ratio Lower Upper

202 100

200 20.8 17.2 25.8

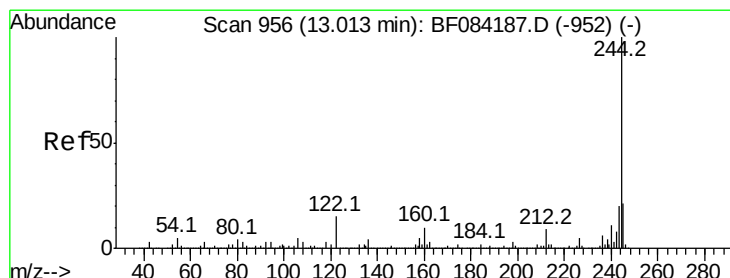
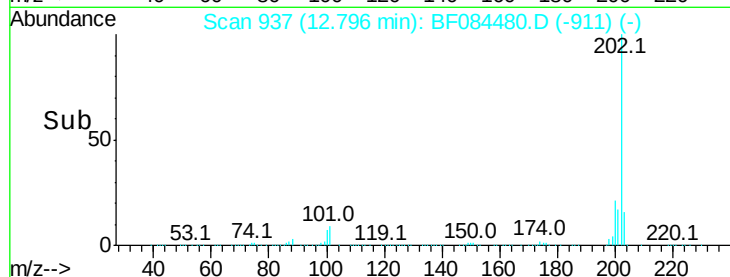
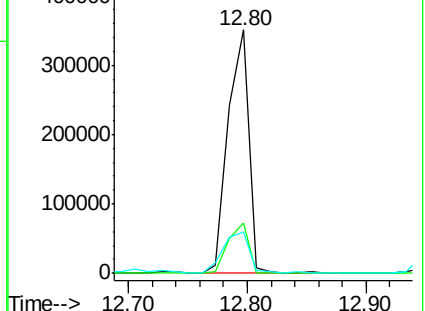
203 17.0 14.3 21.5



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: 12.96 ng

RT: 12.93 min Scan# 949

Delta R.T. -0.01 min

Lab File: BF084480.D

Acq: 14 Jan 2016 10:07

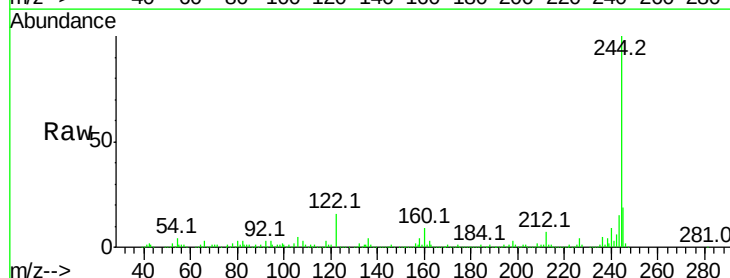
Tgt Ion:244 Resp: 395662

Ion Ratio Lower Upper

244 100

212 7.2 5.7 8.5

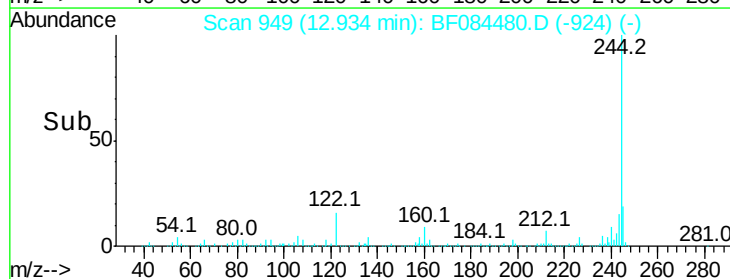
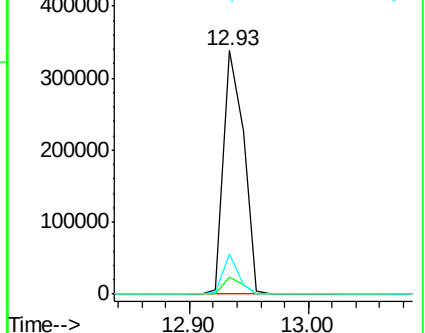
122 16.3 7.4 11.0#

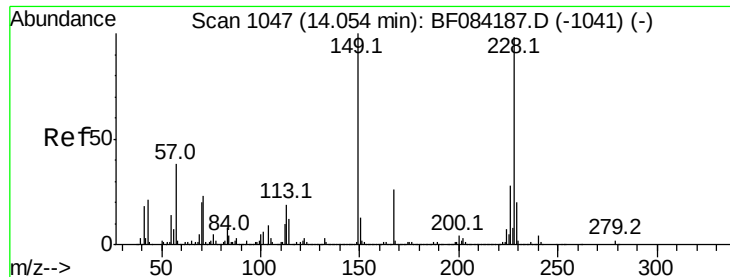


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

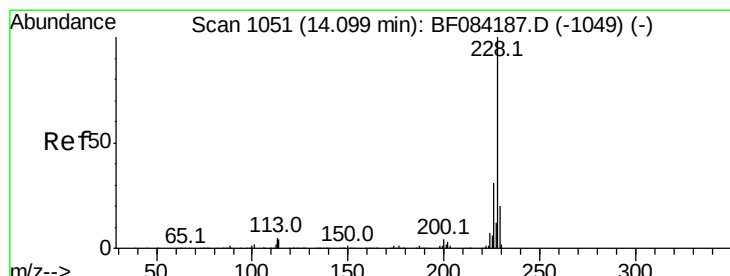
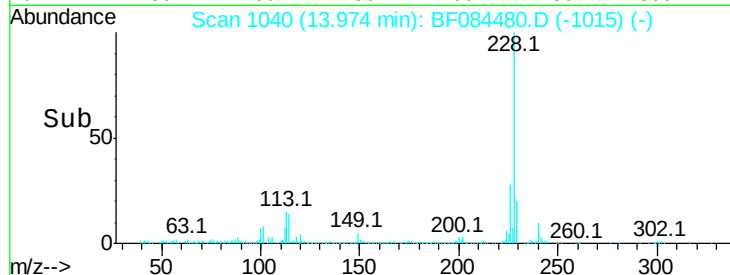
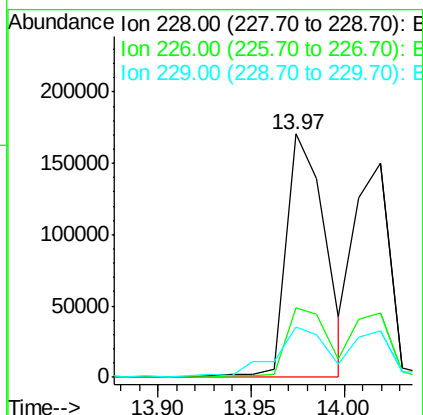
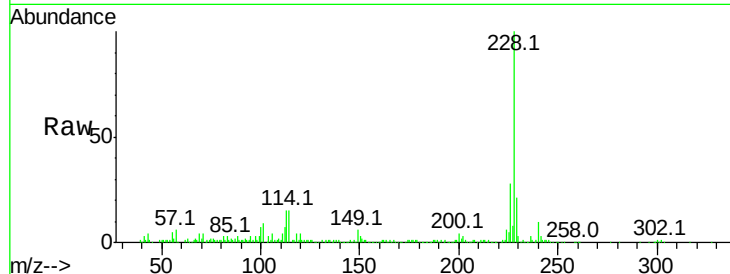




#80
Benzo(a)anthracene
Concen: 6.23 ng
RT: 13.97 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BF084480.D
Acq: 14 Jan 2016 10:07

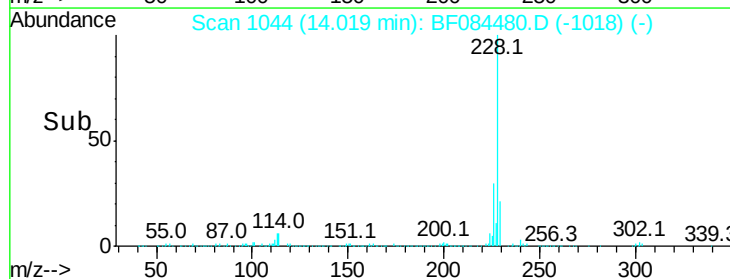
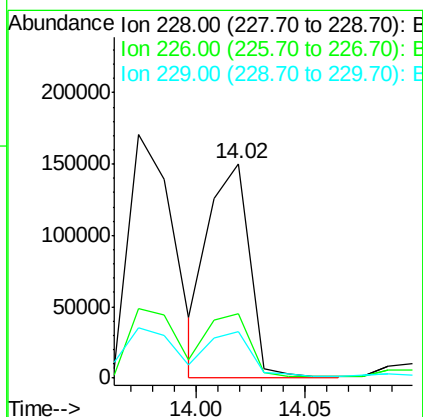
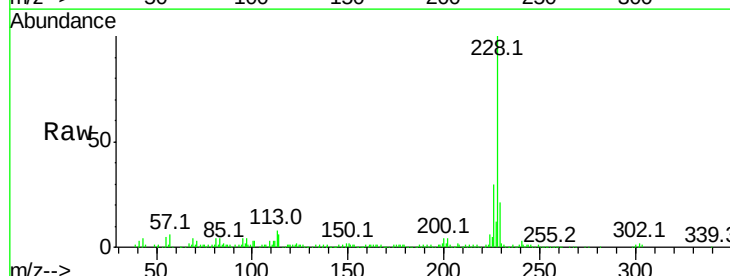
Instrument :
BNA_F
ClientSampleId :
POST-EX-3-20160108

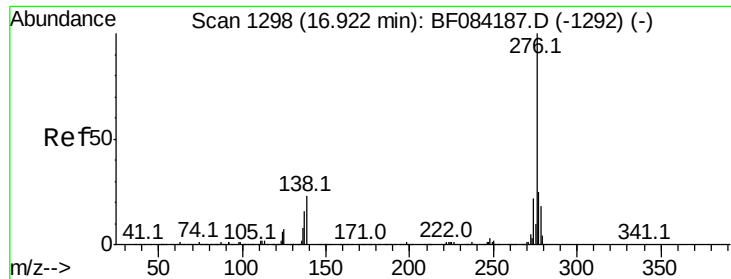
Tot Ion:228 Resp: 249142
Ion Ratio Lower Upper
228 100
226 28.5 21.8 32.6
229 20.8 15.8 23.8



#82
Chrysene
Concen: 5.10 ng
RT: 14.02 min Scan# 1044
Delta R.T. 0.00 min
Lab File: BF084480.D
Acq: 14 Jan 2016 10:07

Tgt Ion:228 Resp: 196103
Ion Ratio Lower Upper
228 100
226 30.0 24.3 36.5
229 21.5 16.1 24.1





#85

Indeno(1,2,3-cd)pyrene

Concen: 3.23 ng

RT: 16.79 min Scan# 1286

Delta R.T. -0.01 min

Lab File: BF084480.D

Acq: 14 Jan 2016 10:07

Instrument :

BNA_F

ClientSampleId :

POST-EX-3-20160108

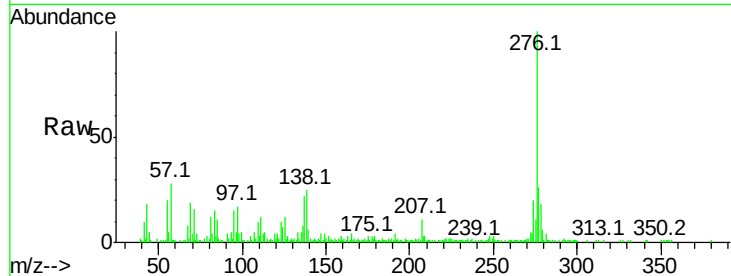
Tot Ion:276 Resp: 98552

Ion Ratio Lower Upper

276 100

138 23.1 20.6 30.8

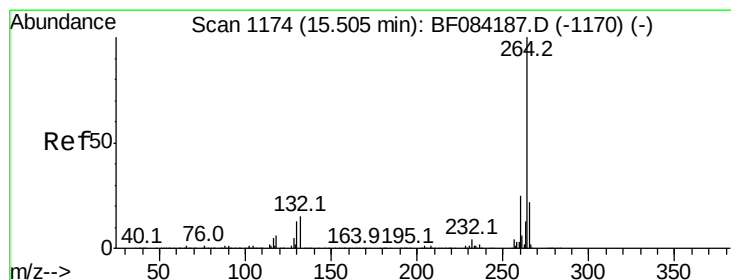
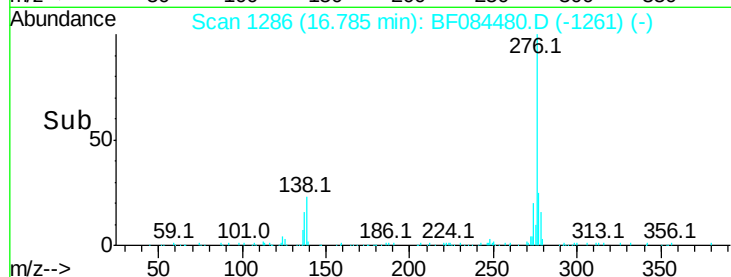
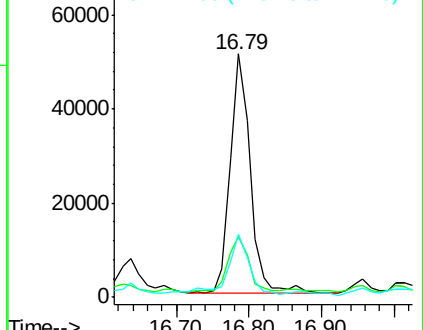
277 26.7 20.1 30.1



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: 15.41 min Scan# 1166

Delta R.T. 0.00 min

Lab File: BF084480.D

Acq: 14 Jan 2016 10:07

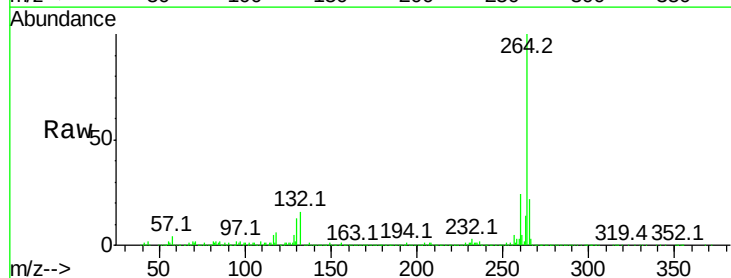
Tgt Ion:264 Resp: 683059

Ion Ratio Lower Upper

264 100

260 23.7 19.4 29.2

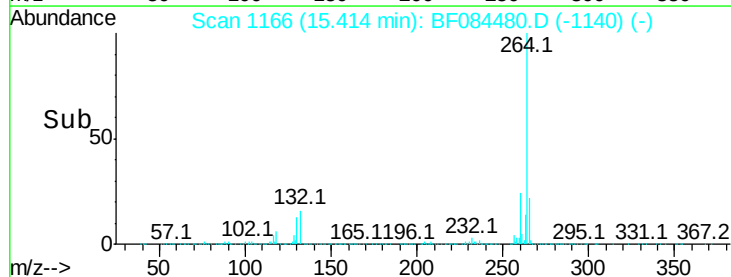
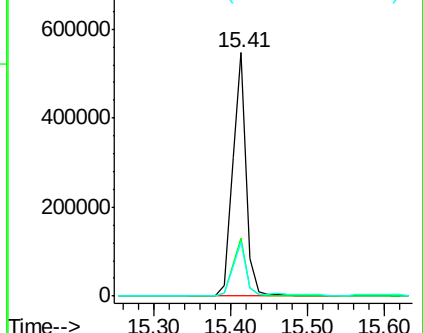
265 22.2 17.8 26.6

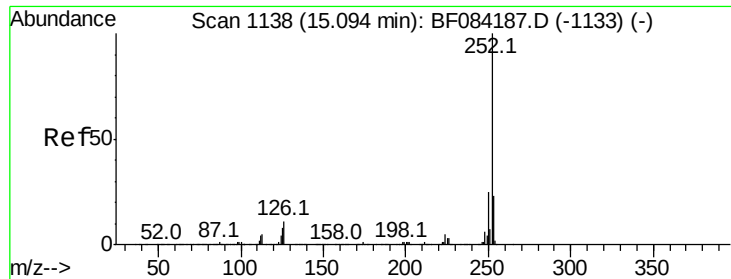


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

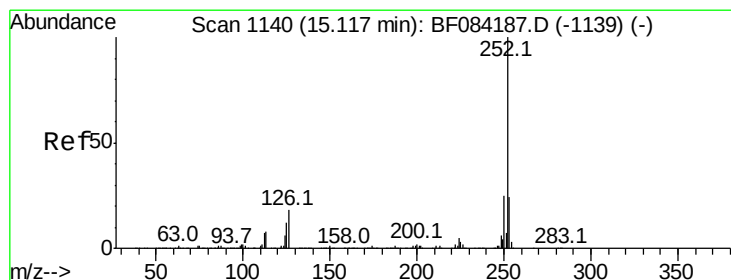
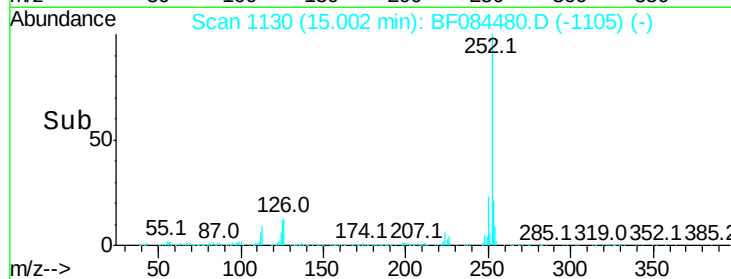
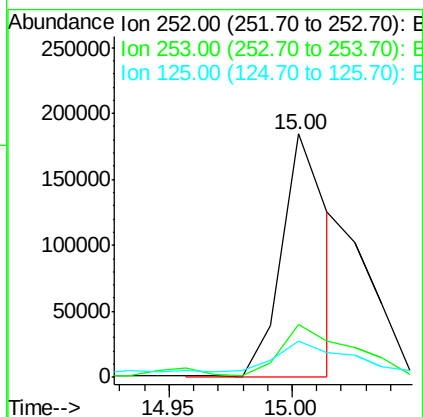
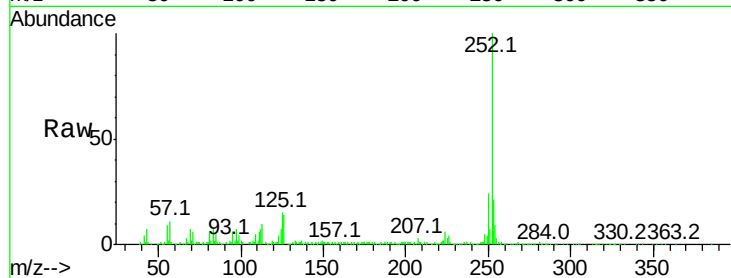




#87
Benzo(b)fluoranthene
Concen: 5.39 ng m
RT: 15.00 min Scan# 1130
Delta R.T. -0.01 min
Lab File: BF084480.D
Acq: 14 Jan 2016 10:07

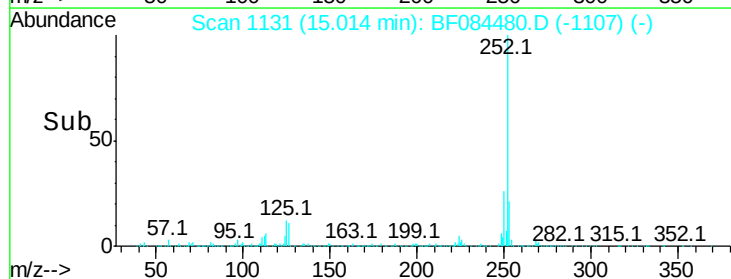
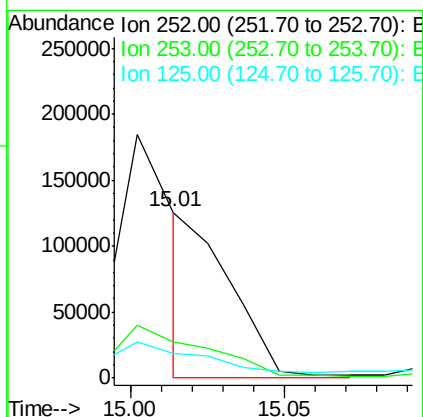
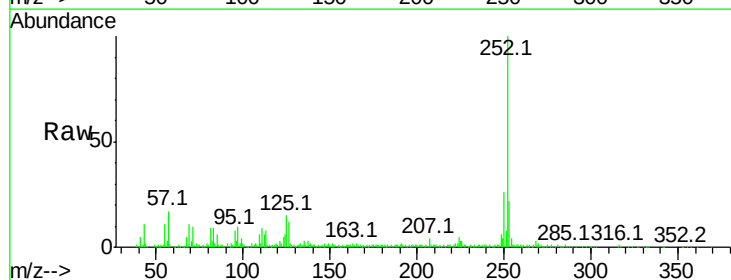
Instrument :
BNA_F
ClientSampleId :
POST-EX-3-20160108

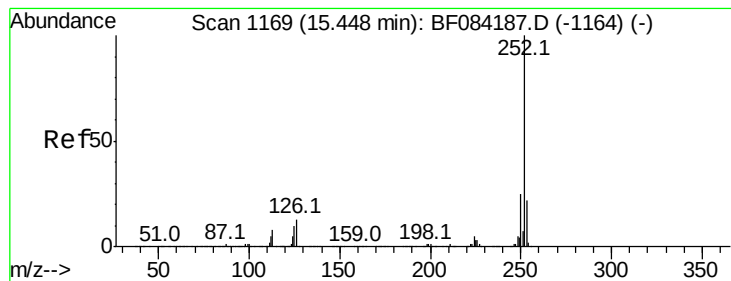
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.3	25.9
125	14.9	6.5	9.7#



#88
Benzo(k)fluoranthene
Concen: 3.14 ng m
RT: 15.01 min Scan# 1131
Delta R.T. -0.02 min
Lab File: BF084480.D
Acq: 14 Jan 2016 10:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.1	27.1
125	14.9	9.0	13.6#





#89

Benzo(a)pyrene

Concen: 4.82 ng

RT: 15.35 min Scan# 1160

Delta R.T. -0.01 min

Lab File: BF084480.D

Acq: 14 Jan 2016 10:07

Instrument :

BNA_F

ClientSampleId :

POST-EX-3-20160108

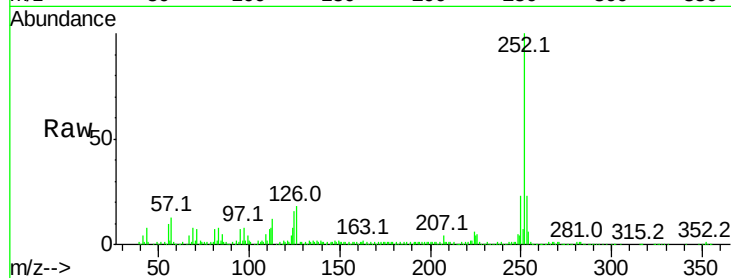
Tot Ion:252 Resp: 182644

Ion Ratio Lower Upper

252 100

253 22.7 17.3 25.9

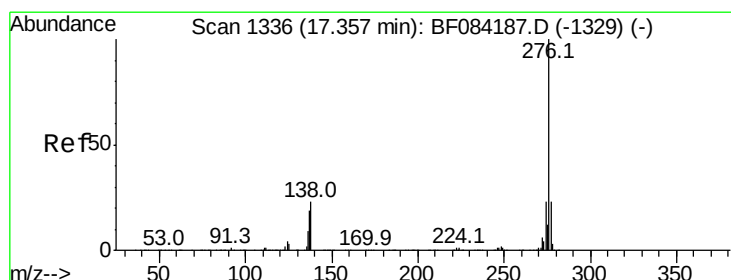
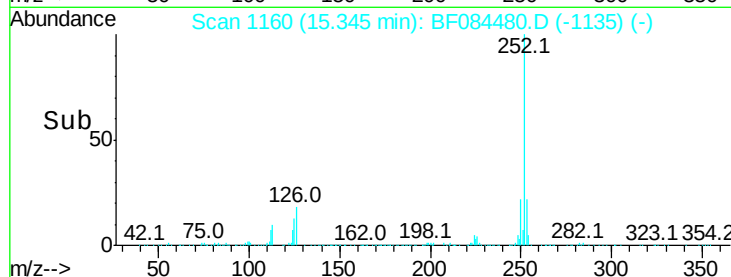
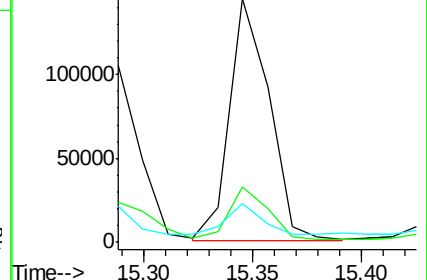
125 16.1 7.0 10.4#



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: 2.58 ng

RT: 17.20 min Scan# 1322

Delta R.T. -0.02 min

Lab File: BF084480.D

Acq: 14 Jan 2016 10:07

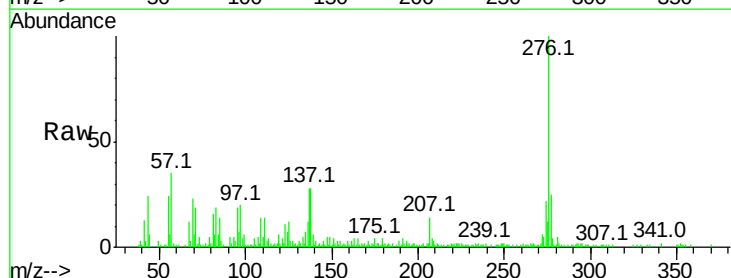
Tgt Ion:276 Resp: 87191

Ion Ratio Lower Upper

276 100

277 25.4 18.8 28.2

138 27.7 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

