

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100616\
 Data File : BF090432.D
 Acq On : 6 Oct 2016 21:42
 Operator : UM/SJ
 Sample : H5110-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RER-SUPPLY-TOPSOIL

Quant Time: Oct 07 00:10:50 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 05 14:57:00 2016
 Response via : Initial Calibration

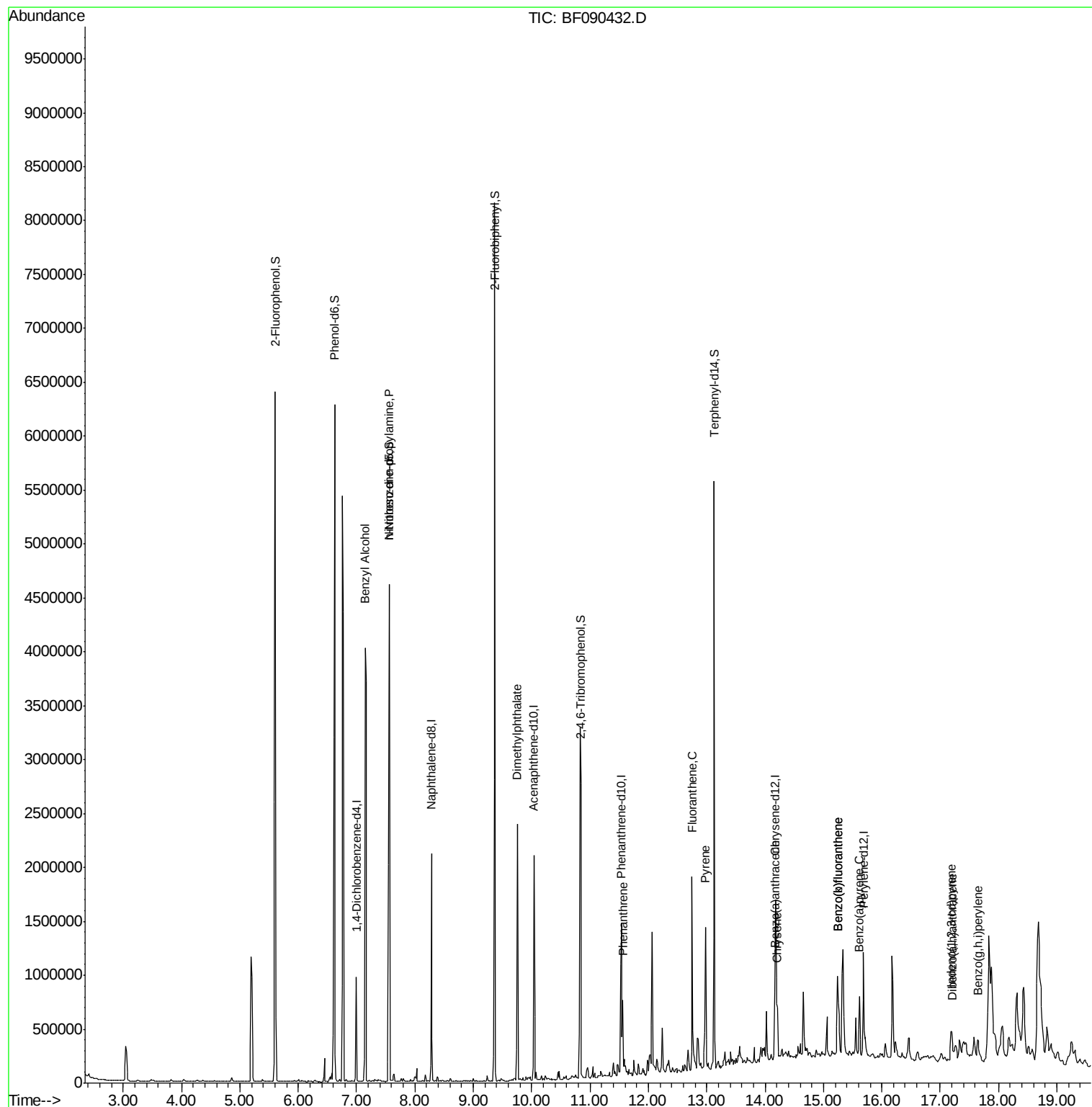
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	209379	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	862556	20.00	ng	-0.01
38) Acenaphthene-d10	10.04	164	415583	20.00	ng	-0.01
63) Phenanthrene-d10	11.54	188	628894	20.00	ng	-0.01
75) Chrysene-d12	14.18	240	383397	20.00	ng	-0.02
86) Perylene-d12	15.69	264	411727	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	1833031	130.66	ng	0.00
7) Phenol-d6	6.62	99	2495945	135.84	ng	0.00
23) Nitrobenzene-d5	7.56	82	1697818	95.75	ng	-0.01
41) 2,4,6-Tribromophenol	10.84	330	605828	179.28	ng	-0.01
44) 2-Fluorobiphenyl	9.37	172	2431248	97.47	ng	-0.01
78) Terphenyl-d14	13.13	244	1495525	87.70	ng	-0.01
Target Compounds						Qvalue
15) Benzyl Alcohol	7.15	79	29026	2.08	ng	# 50
19) n-Nitroso-di-n-propylamine	7.56	70	243184	18.05	ng	# 63
49) Dimethylphthalate	9.75	163	800083	30.06	ng	98
70) Phenanthrene	11.56	178	227851	7.08	ng	94
74) Fluoranthene	12.75	202	591288	18.72	ng	98
77) Pyrene	12.98	202	479923	18.77	ng	97
80) Benzo(a)anthracene	14.17	228	262821	12.22	ng	99
82) Chrysene	14.21	228	243058	12.28	ng	97
85) Indeno(1,2,3-cd)pyrene	17.20	276	171224	12.13	ng	97
87) Benzo(b)fluoranthene	15.24	252	499728	19.05	ng	# 94
88) Benzo(k)fluoranthene	15.24	252	499728	20.29	ng	98
89) Benzo(a)pyrene	15.62	252	246741	10.92	ng	# 97
90) Dibenzo(a,h)anthracene	17.21	278	40913	2.13	ng	# 88
91) Benzo(g,h,i)perylene	17.65	276	154128	8.35	ng	98

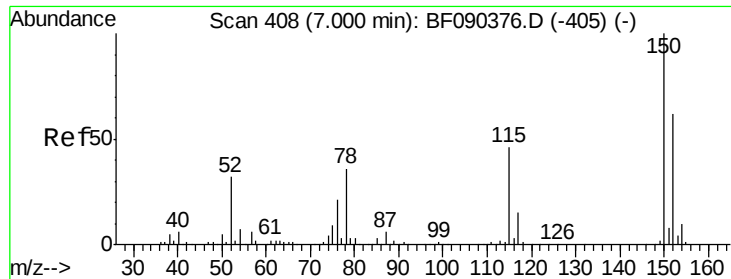
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.00 min Scan# 408

Delta R.T. -0.00 min

Lab File: BF090432.D

Acq: 6 Oct 2016 21:42

Instrument :

BNA_F

ClientSampleId :

RER-SUPPLY-TOPSOIL

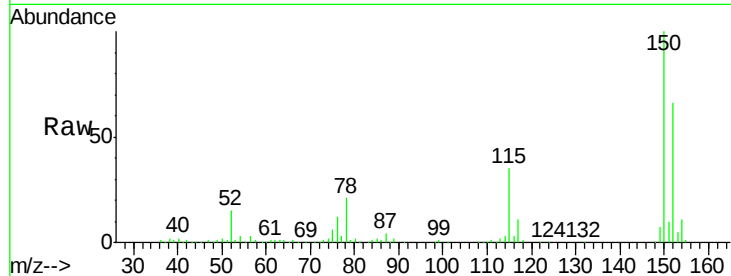
Tgt Ion:152 Resp: 209379

Ion Ratio Lower Upper

152 100

150 151.5 124.6 186.8

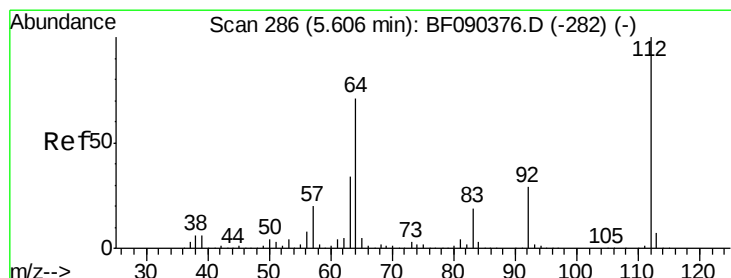
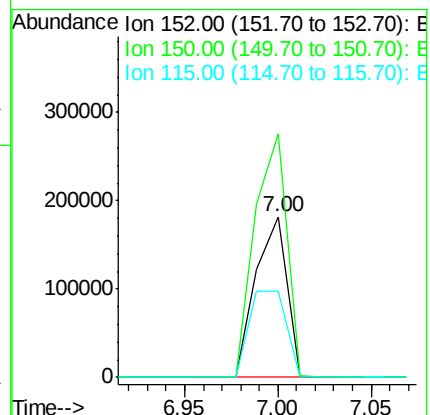
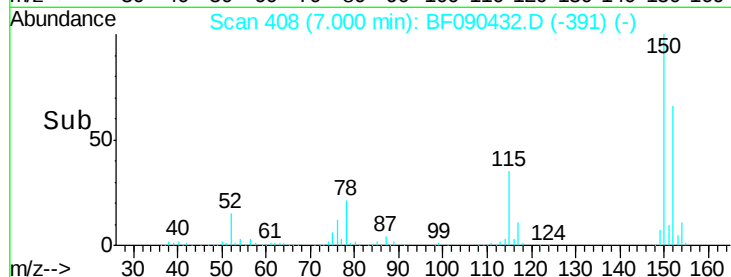
115 53.3 46.2 69.4



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: 130.66 ng

RT: 5.61 min Scan# 286

Delta R.T. 0.00 min

Lab File: BF090432.D

Acq: 6 Oct 2016 21:42

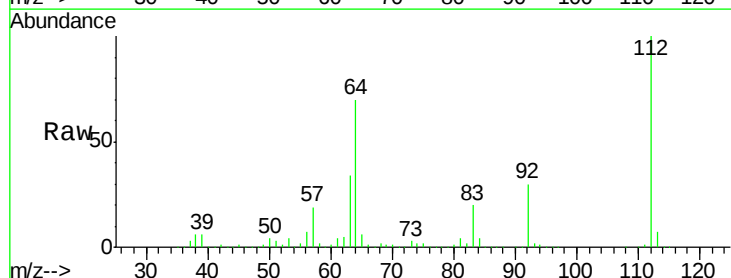
Tgt Ion:112 Resp: 1833031

Ion Ratio Lower Upper

112 100

64 69.9 57.9 86.9

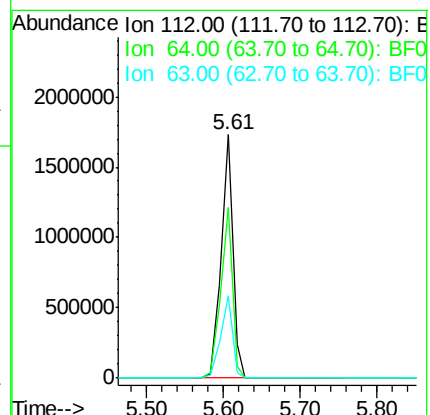
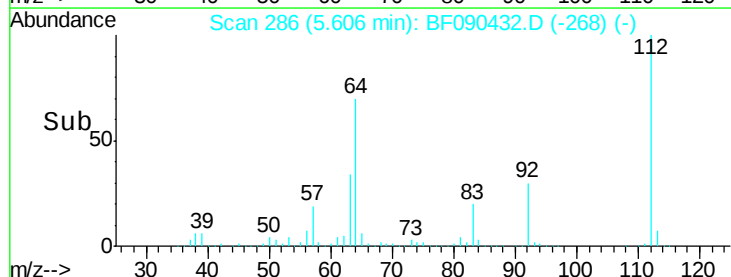
63 33.7 29.6 44.4

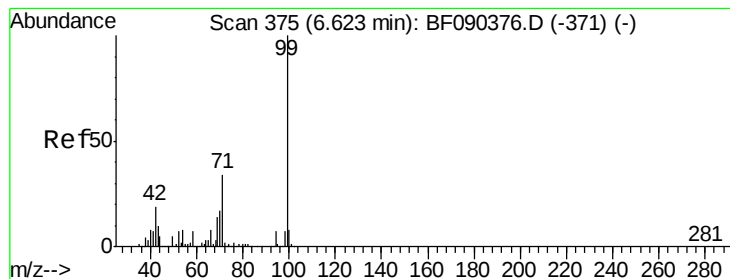


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 135.84 ng

RT: 6.62 min Scan# 375

Delta R.T. -0.00 min

Lab File: BF090432.D

Acq: 6 Oct 2016 21:42

Instrument :

BNA_F

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RER-SUPPLY-TOPSOIL

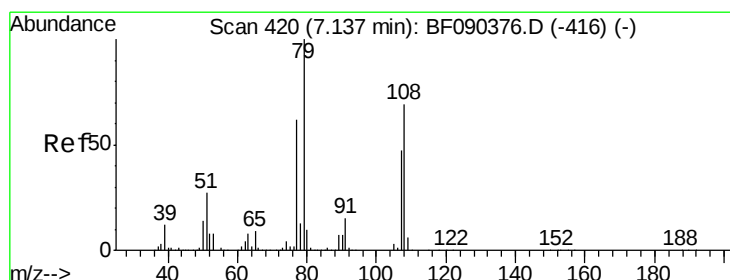
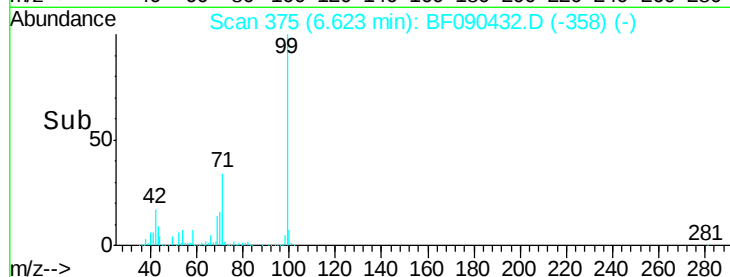
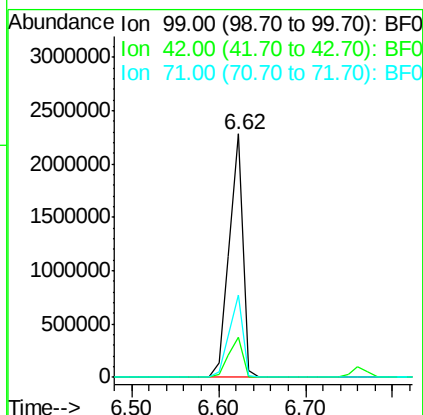
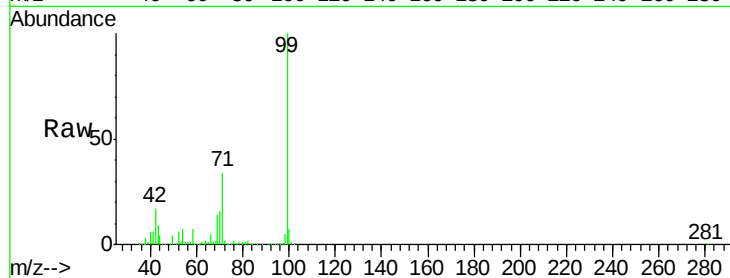
Tgt Ion: 99 Resp: 2495945

Ion Ratio Lower Upper

99 100

42 16.5 20.0 30.0#

71 33.8 27.9 41.9



#15

Benzyl Alcohol

Concen: 2.08 ng

RT: 7.15 min Scan# 421

Delta R.T. 0.01 min

Lab File: BF090432.D

Acq: 6 Oct 2016 21:42

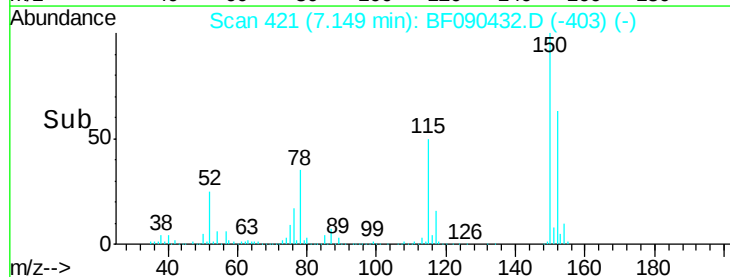
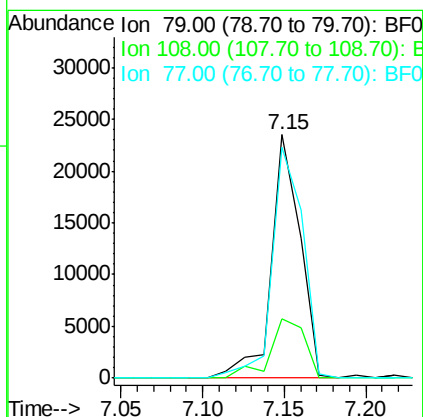
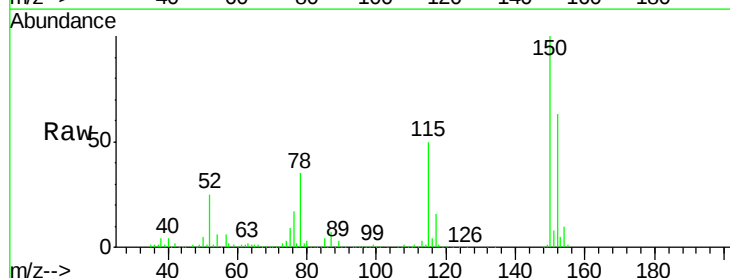
Tgt Ion: 79 Resp: 29026

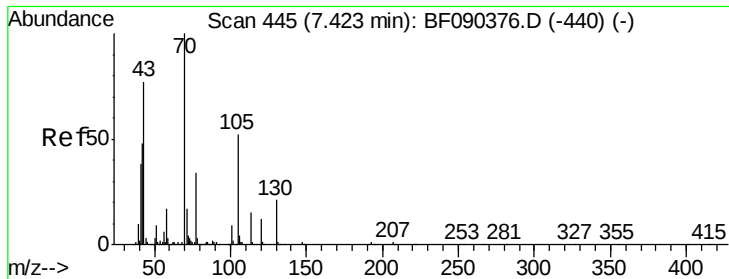
Ion Ratio Lower Upper

79 100

108 24.6 60.9 91.3#

77 95.0 51.5 77.3#

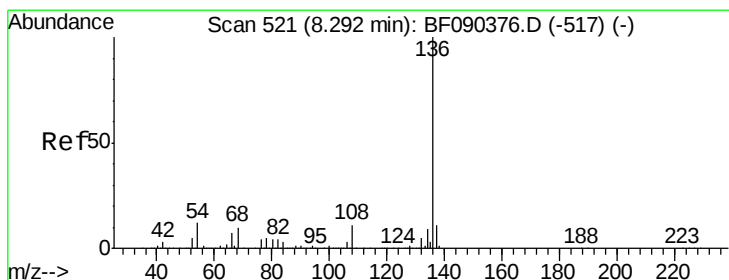
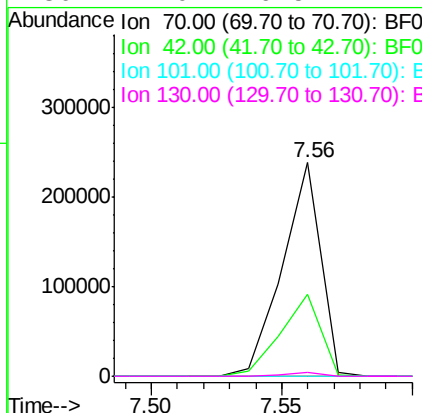
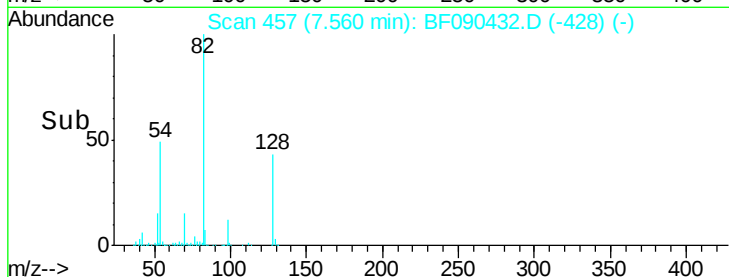
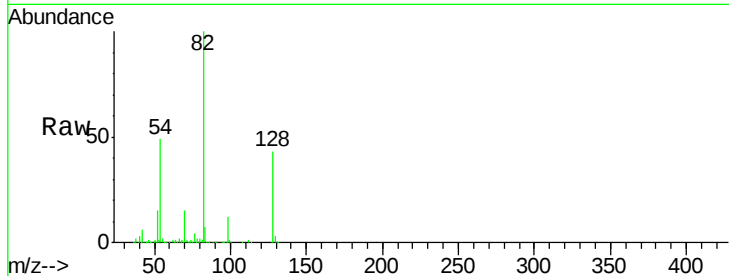




#19
n-Nitroso-di-n-propylamine
Concen: 18.05 ng
RT: 7.56 min Scan# 457
Delta R.T. 0.14 min
Lab File: BF090432.D
Acq: 6 Oct 2016 21:42

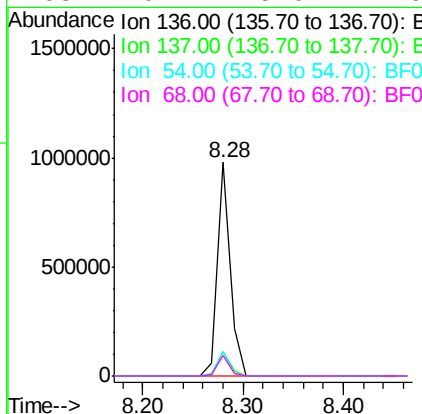
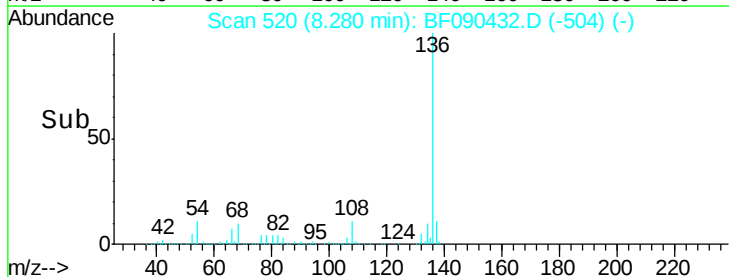
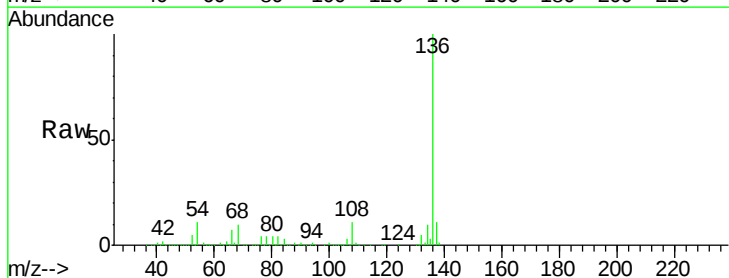
Instrument :
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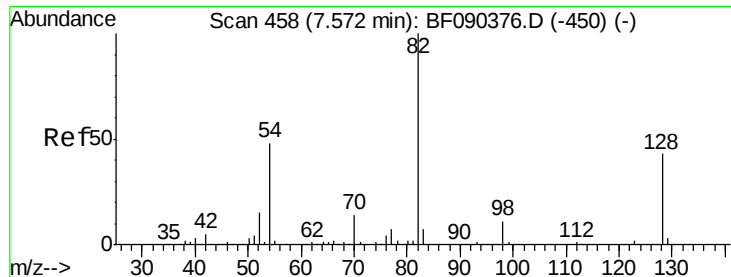
Tgt Ion: 70 Resp: 243184
Ion Ratio Lower Upper
70 100
42 38.6 55.4 83.2#
101 0.0 7.6 11.4#
130 2.0 16.5 24.7#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.28 min Scan# 520
Delta R.T. -0.01 min
Lab File: BF090432.D
Acq: 6 Oct 2016 21:42

Tgt Ion: 136 Resp: 862556
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.6
54 11.2 6.6 10.0#
68 9.7 5.0 7.6#

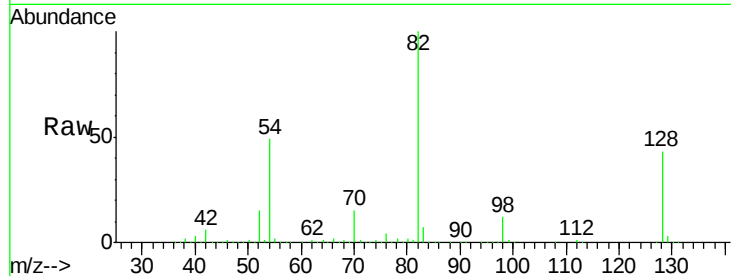




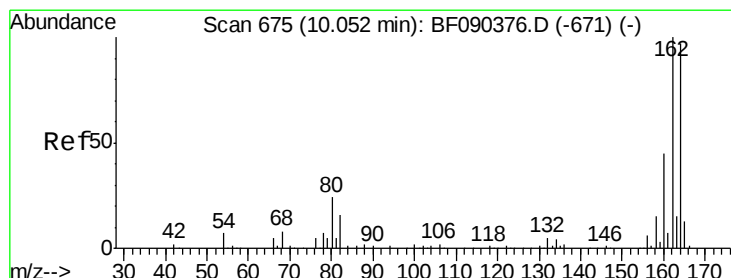
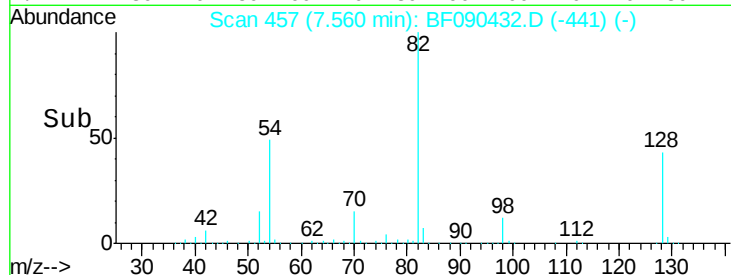
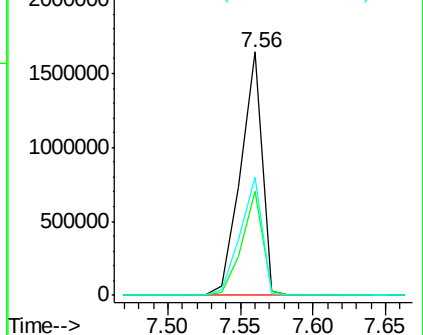
#23
 Nitrobenzene-d5
 Concen: 95.75 ng
 RT: 7.56 min Scan# 457
 Delta R.T. -0.01 min
 Lab File: BF090432.D
 Acq: 6 Oct 2016 21:42

Instrument :
 BNA_F
 ClientSampleId :
 RER-SUPPLY-TOPSOIL

Tgt Ion: 82 Resp: 1697818
 Ion Ratio Lower Upper
 82 100
 128 43.0 40.0 60.0
 54 48.5 42.6 64.0

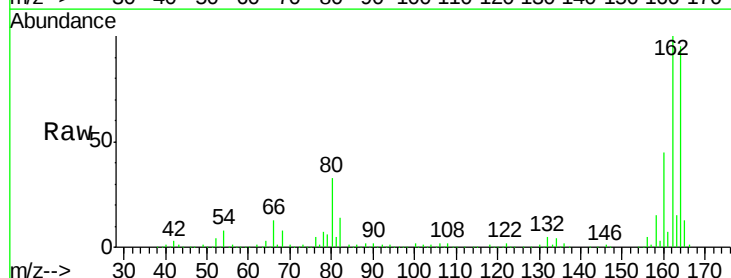


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

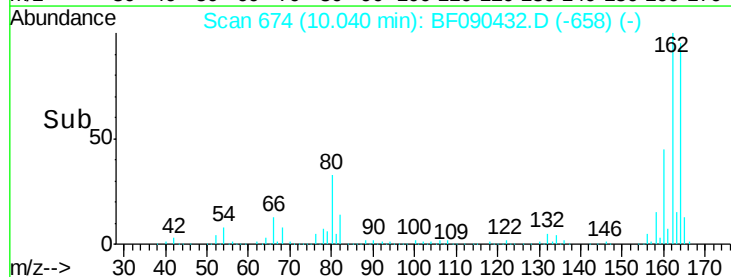
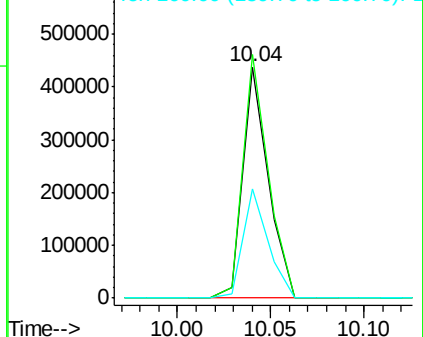


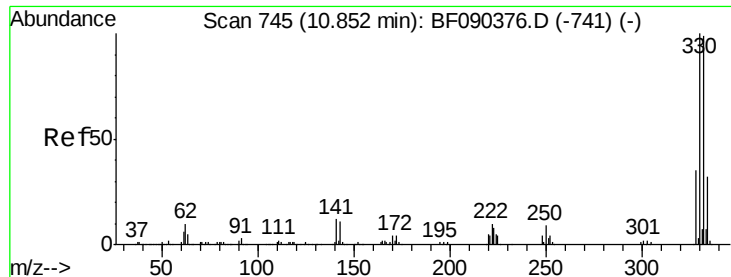
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.04 min Scan# 674
 Delta R.T. -0.01 min
 Lab File: BF090432.D
 Acq: 6 Oct 2016 21:42

Tgt Ion: 164 Resp: 415583
 Ion Ratio Lower Upper
 164 100
 162 105.3 80.1 120.1
 160 47.3 36.3 54.5



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

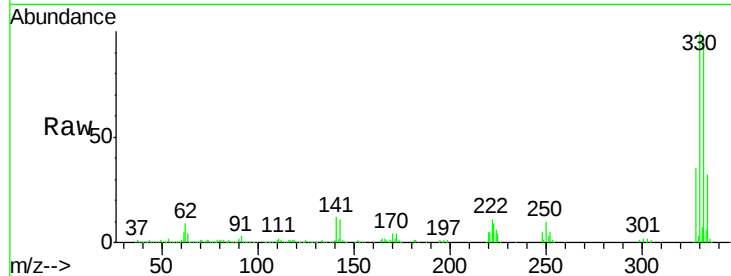




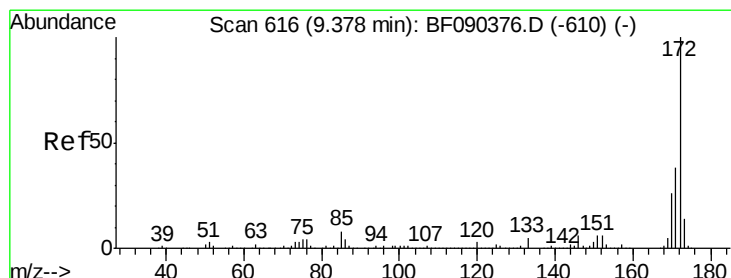
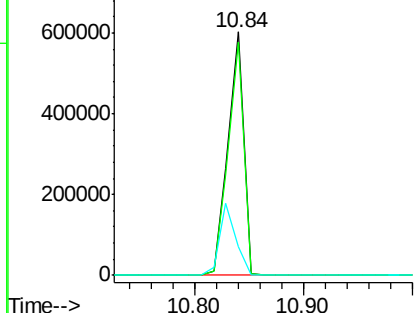
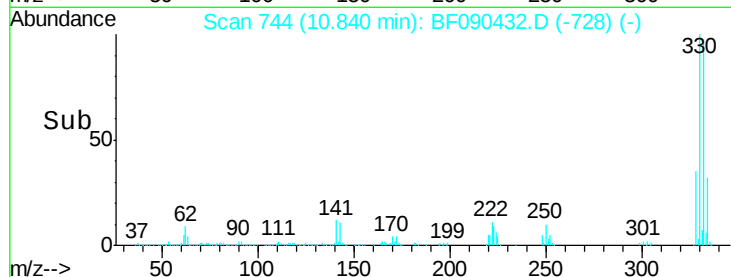
#41
 2,4,6-Tribromophenol
 Concen: 179.28 ng
 RT: 10.84 min Scan# 744
 Delta R.T. -0.01 min
 Lab File: BF090432.D
 Acq: 6 Oct 2016 21:42

Instrument :
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 ClientSampleId :
 RER-SUPPLY-TOPSOIL

Tgt Ion:330 Resp: 605828
 Ion Ratio Lower Upper
 330 100
 332 95.3 75.4 113.0
 141 30.7 26.9 40.3

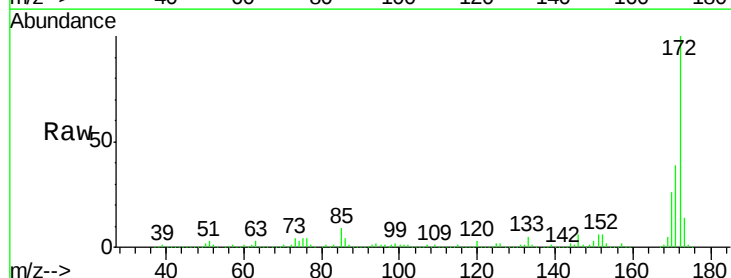


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

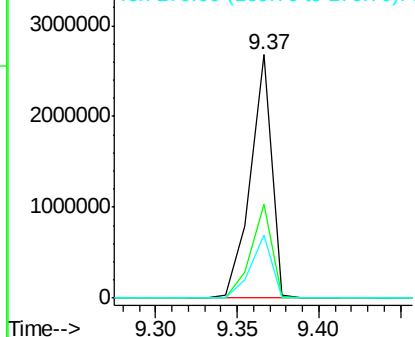
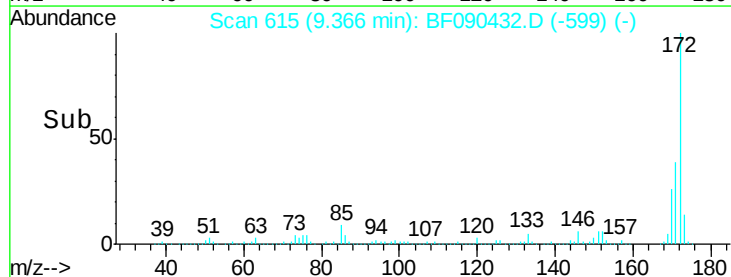


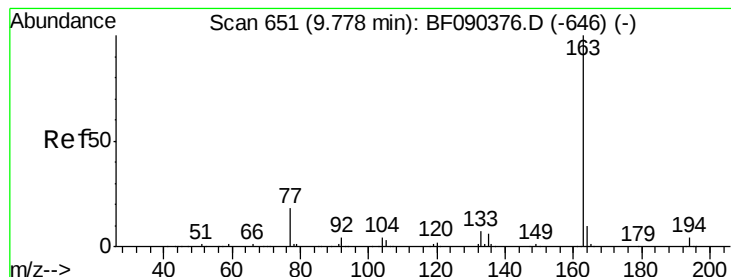
#44
 2-Fluorobiphenyl
 Concen: 97.47 ng
 RT: 9.37 min Scan# 615
 Delta R.T. -0.01 min
 Lab File: BF090432.D
 Acq: 6 Oct 2016 21:42

Tgt Ion:172 Resp: 2431248
 Ion Ratio Lower Upper
 172 100
 171 38.8 31.8 47.8
 170 26.1 21.7 32.5



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: 30.06 ng

RT: 9.75 min Scan# 649

Delta R.T. -0.02 min

Lab File: BF090432.D

Acq: 6 Oct 2016 21:42

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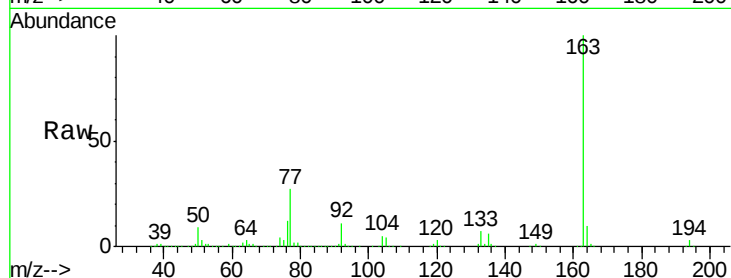
Tgt Ion:163 Resp: 800083

Ion Ratio Lower Upper

163 100

194 3.2 2.8 4.2

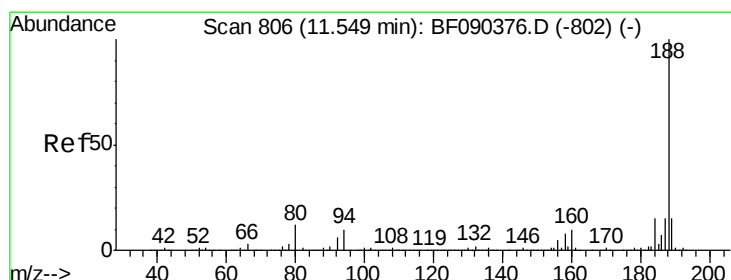
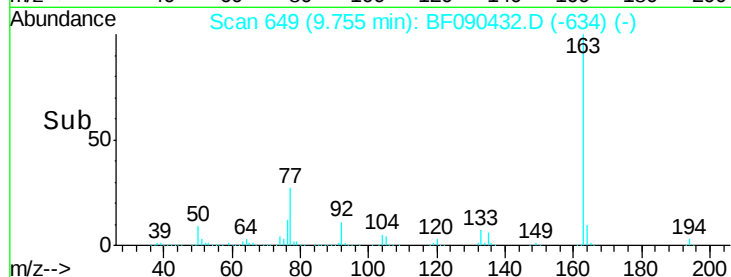
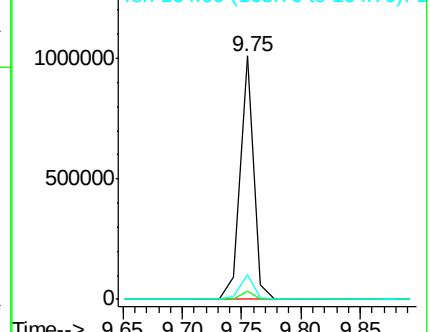
164 10.4 9.0 13.4



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: 11.54 min Scan# 805

Delta R.T. -0.01 min

Lab File: BF090432.D

Acq: 6 Oct 2016 21:42

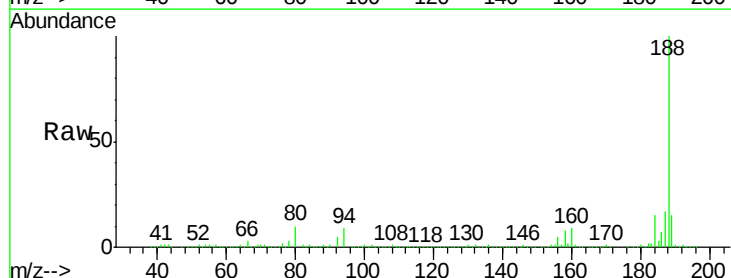
Tgt Ion:188 Resp: 628894

Ion Ratio Lower Upper

188 100

94 9.0 8.2 12.2

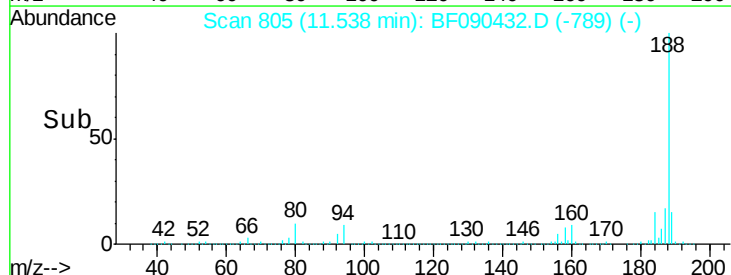
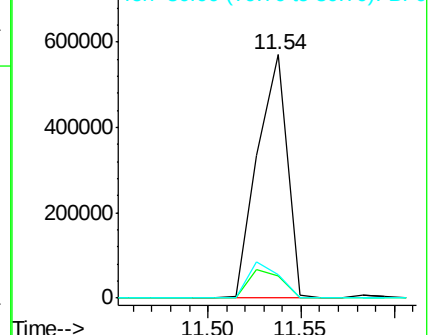
80 9.7 8.8 13.2

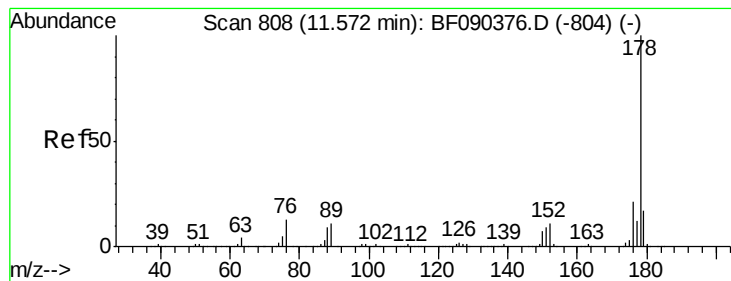


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 7.08 ng

RT: 11.56 min Scan# 807

Delta R.T. -0.01 min

Lab File: BF090432.D

Acq: 6 Oct 2016 21:42

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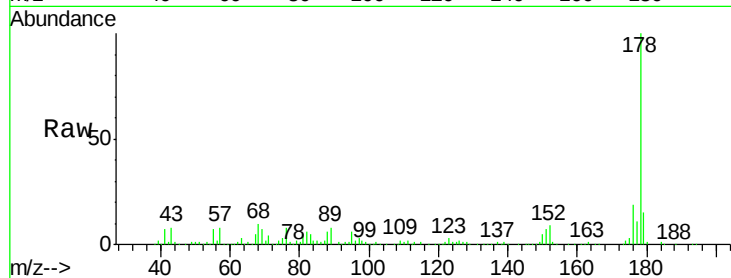
Tgt Ion:178 Resp: 227851

Ion Ratio Lower Upper

178 100

176 18.9 17.3 25.9

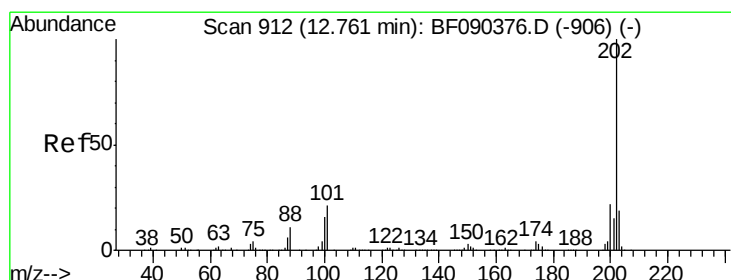
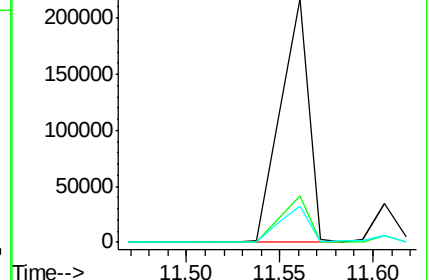
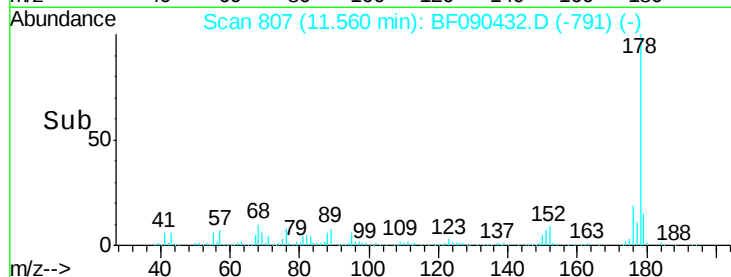
179 14.7 13.8 20.6



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: 18.72 ng

RT: 12.75 min Scan# 911

Delta R.T. -0.01 min

Lab File: BF090432.D

Acq: 6 Oct 2016 21:42

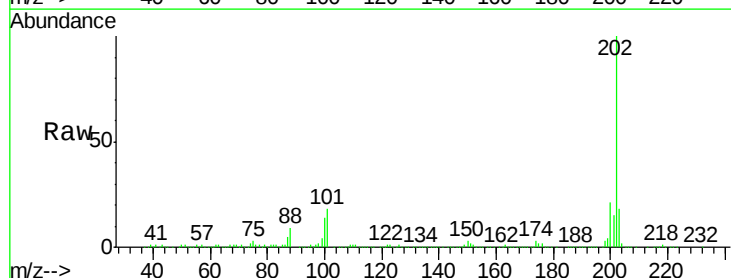
Tgt Ion:202 Resp: 591288

Ion Ratio Lower Upper

202 100

101 17.8 0.0 37.2

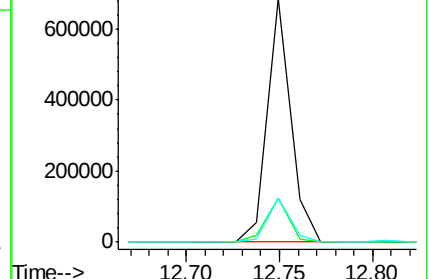
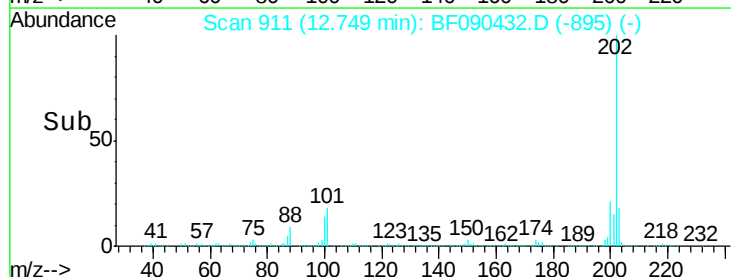
203 17.9 0.0 39.3

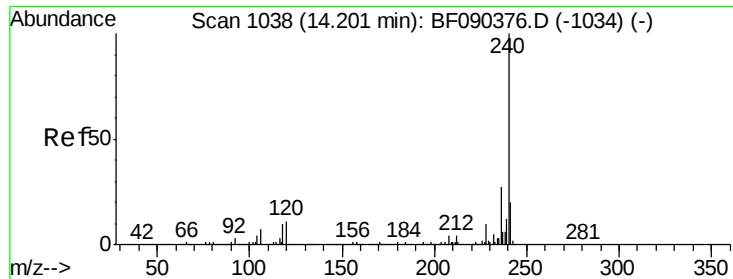


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.18 min Scan# 1036

Delta R.T. -0.02 min

Lab File: BF090432.D

Acq: 6 Oct 2016 21:42

Instrument :

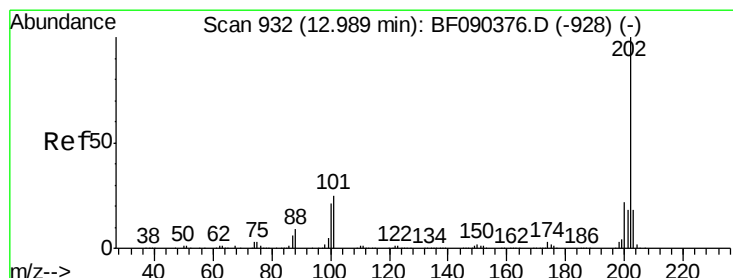
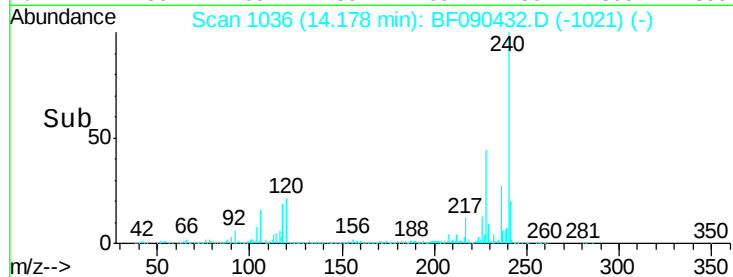
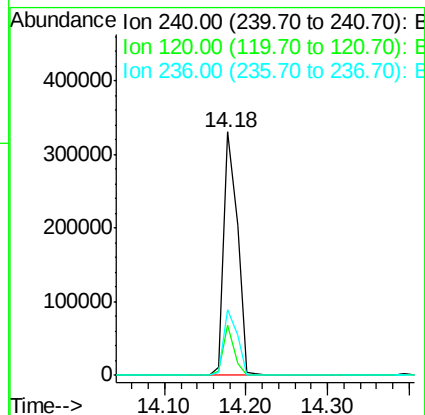
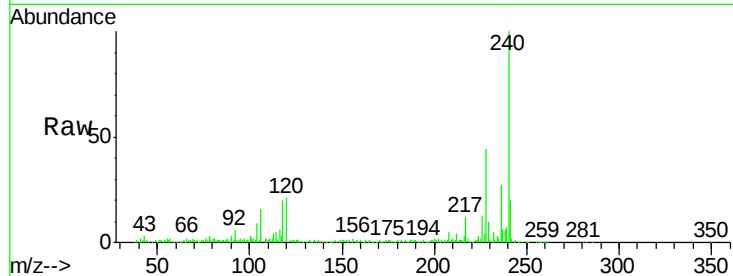
BNA_F

ClientSampleId :

RER-SUPPLY-TOPSOIL

Tgt Ion:240 Resp: 383397

Ion	Ratio	Lower	Upper
240	100		
120	20.9	8.6	13.0#
236	27.0	21.6	32.4



#77

Pyrene

Concen: 18.77 ng

RT: 12.98 min Scan# 931

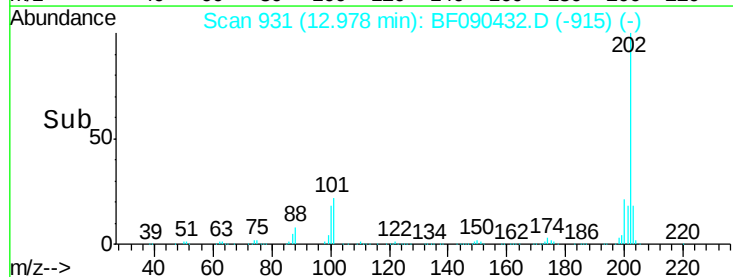
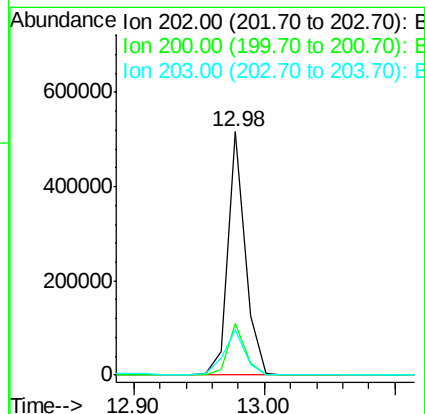
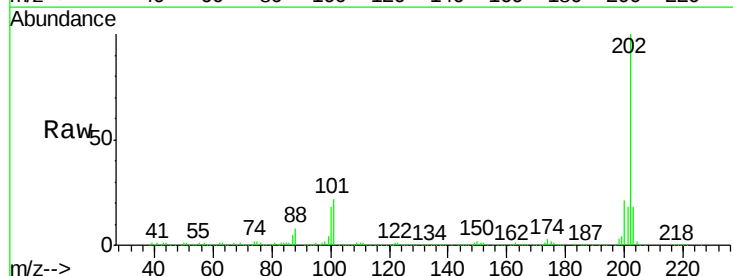
Delta R.T. -0.01 min

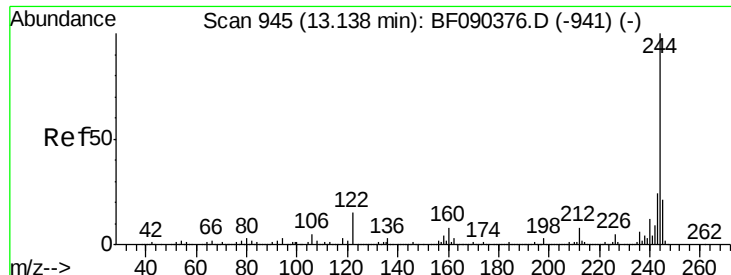
Lab File: BF090432.D

Acq: 6 Oct 2016 21:42

Tgt Ion:202 Resp: 479923

Ion	Ratio	Lower	Upper
202	100		
200	21.3	18.5	27.7
203	18.4	15.0	22.6

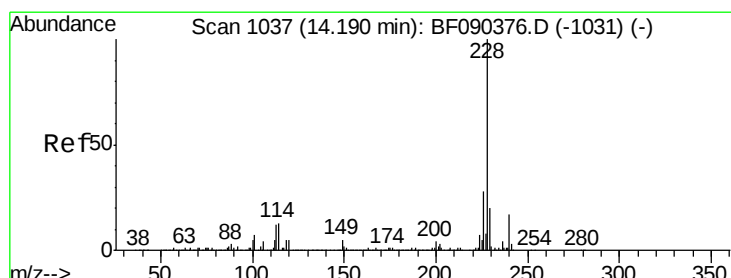
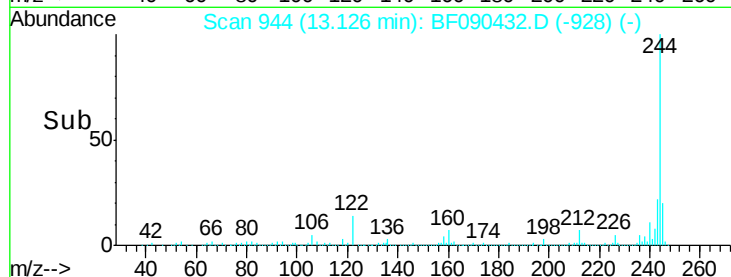
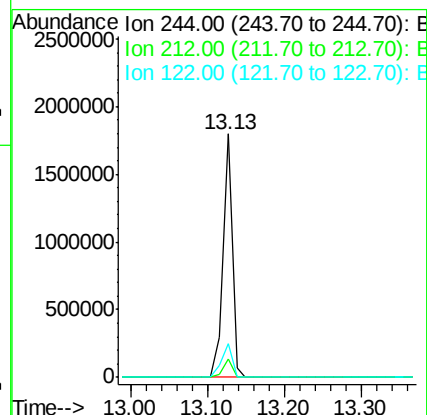
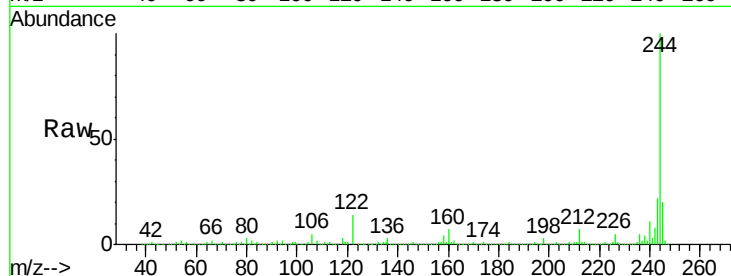




#78
 Terphenyl-d14
 Concen: 87.70 ng
 RT: 13.13 min Scan# 944
 Delta R.T. -0.01 min
 Lab File: BF090432.D
 Acq: 6 Oct 2016 21:42

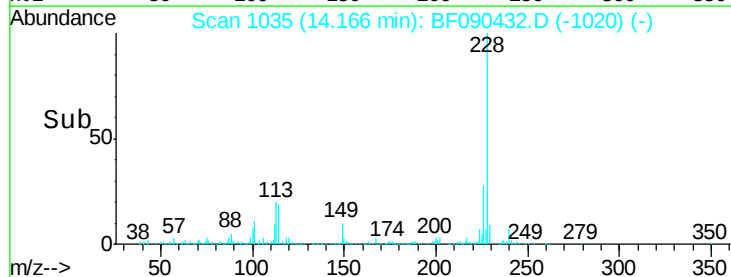
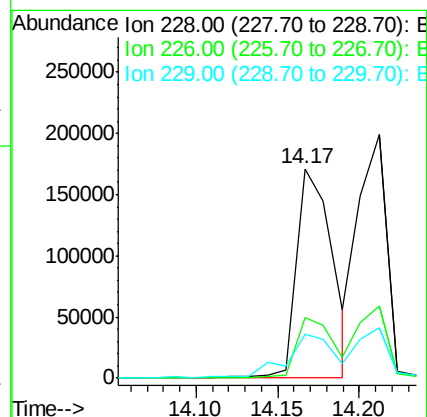
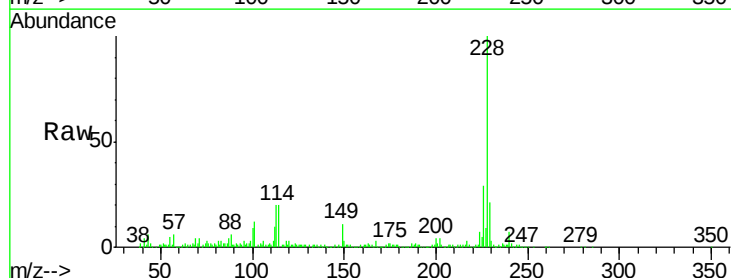
Instrument :
 BNA_F
 ClientSampleId :
 RER-SUPPLY-TOPSOIL

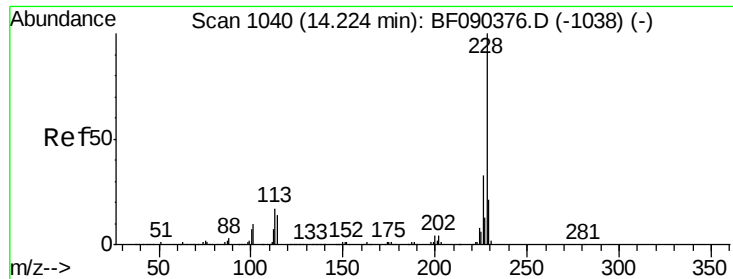
Tgt Ion:244 Resp: 1495525
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.8 10.2
 122 14.0 13.3 19.9



#80
 Benzo(a)anthracene
 Concen: 12.22 ng
 RT: 14.17 min Scan# 1035
 Delta R.T. -0.02 min
 Lab File: BF090432.D
 Acq: 6 Oct 2016 21:42

Tgt Ion:228 Resp: 262821
 Ion Ratio Lower Upper
 228 100
 226 28.6 23.6 35.4
 229 20.9 16.6 25.0

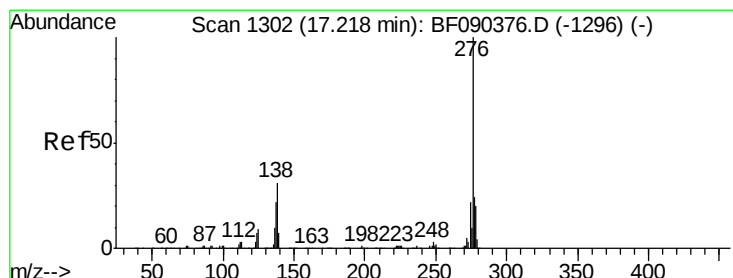
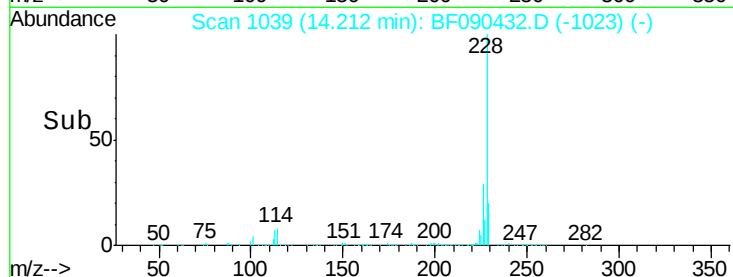
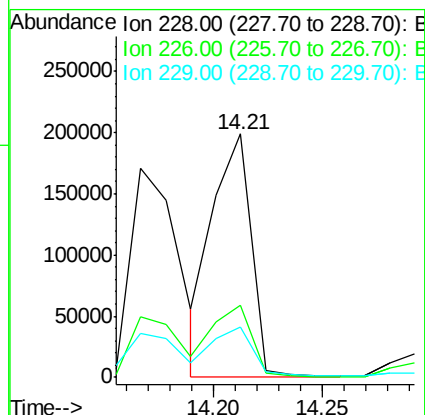
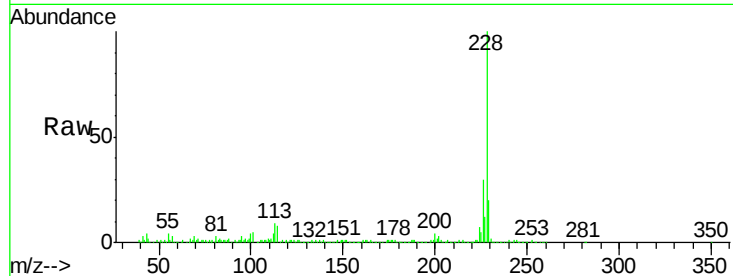




#82
Chrysene
Concen: 12.28 ng
RT: 14.21 min Scan# 1039
Delta R.T. -0.01 min
Lab File: BF090432.D
Acq: 6 Oct 2016 21:42

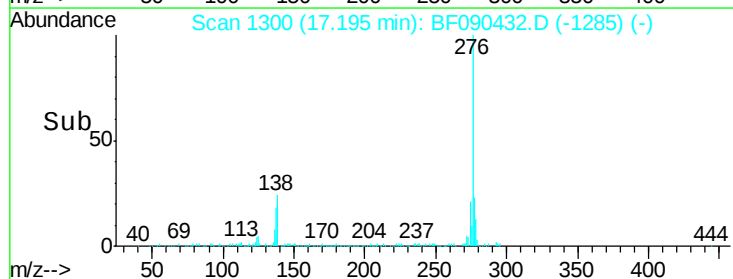
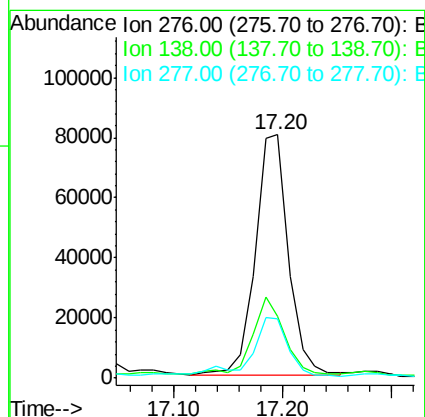
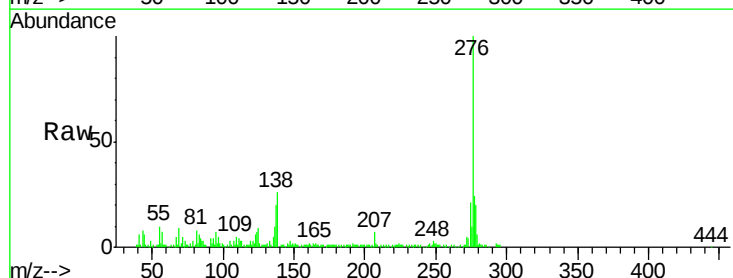
Instrument :
BNA_F
ClientSampleId :
RER-SUPPLY-TOPSOIL

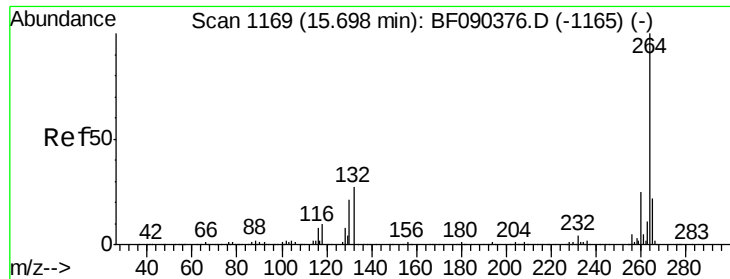
Tgt Ion: 228 Resp: 243058
Ion Ratio Lower Upper
228 100
226 29.6 25.8 38.6
229 20.4 16.9 25.3



#85
Indeno(1,2,3-cd)pyrene
Concen: 12.13 ng
RT: 17.20 min Scan# 1300
Delta R.T. -0.02 min
Lab File: BF090432.D
Acq: 6 Oct 2016 21:42

Tgt Ion: 276 Resp: 171224
Ion Ratio Lower Upper
276 100
138 31.1 23.8 35.8
277 27.5 20.4 30.6



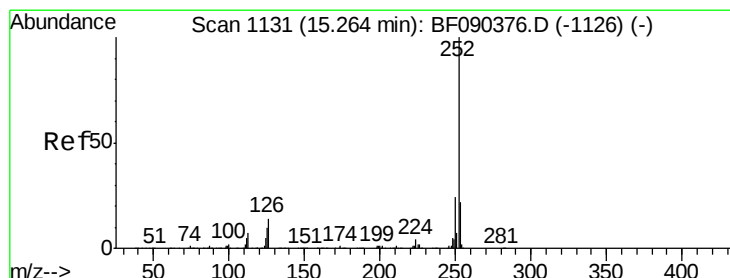
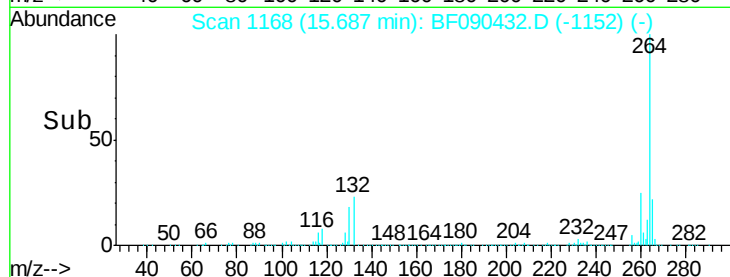
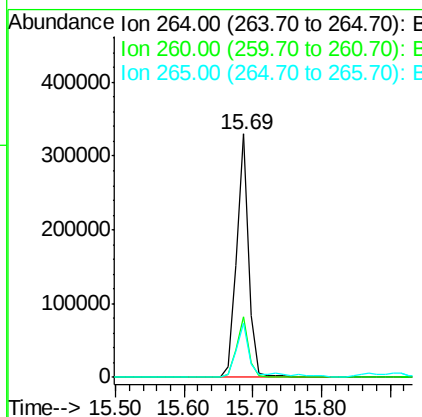
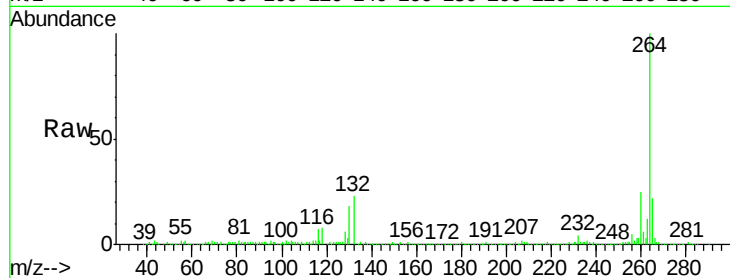


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.69 min Scan# 1168
Delta R.T. -0.01 min
Lab File: BF090432.D
Acq: 6 Oct 2016 21:42

Instrument :
BNA_F
ClientSampleId :
RER-SUPPLY-TOPSOIL

Tgt Ion: 264 Resp: 411727

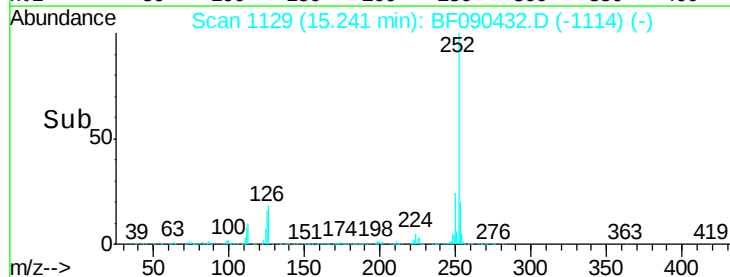
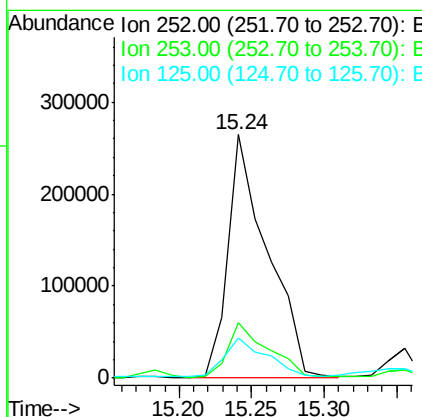
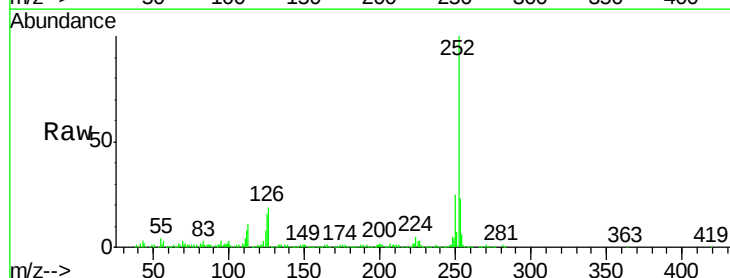
Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.3	28.9
265	22.1	17.4	26.0

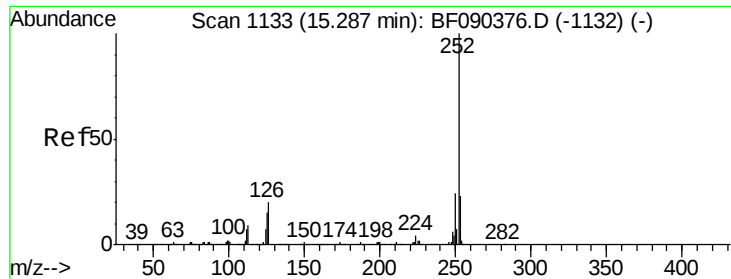


#87
Benzo(b)fluoranthene
Concen: 19.05 ng
RT: 15.24 min Scan# 1129
Delta R.T. -0.02 min
Lab File: BF090432.D
Acq: 6 Oct 2016 21:42

Tgt Ion: 252 Resp: 499728

Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.2	27.2
125	16.3	7.0	10.4

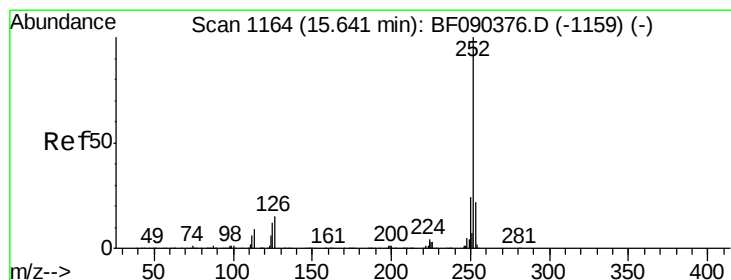
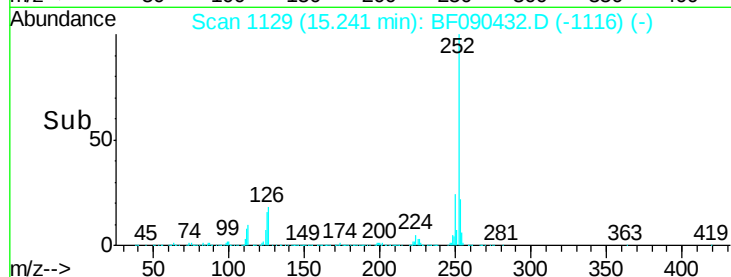
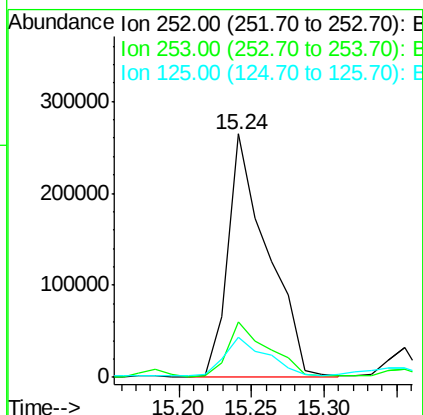
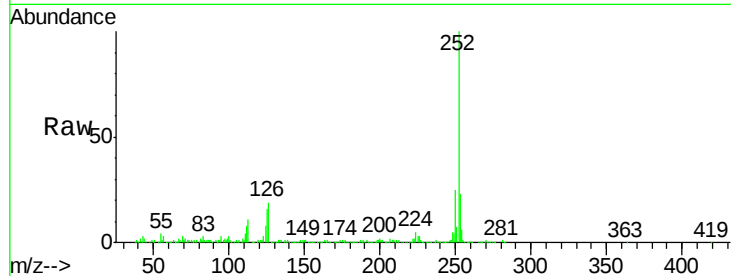




#88
Benzo(k)fluoranthene
Concen: 20.29 ng
RT: 15.24 min Scan# 1129
Delta R.T. -0.05 min
Lab File: BF090432.D
Acq: 6 Oct 2016 21:42

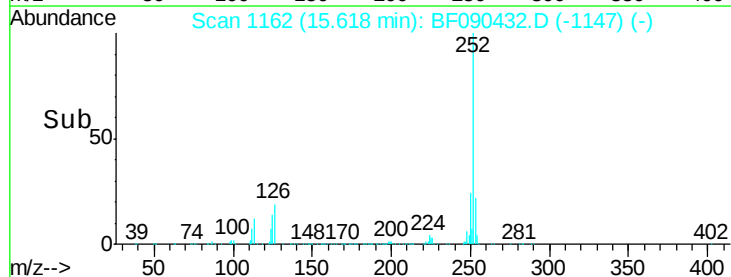
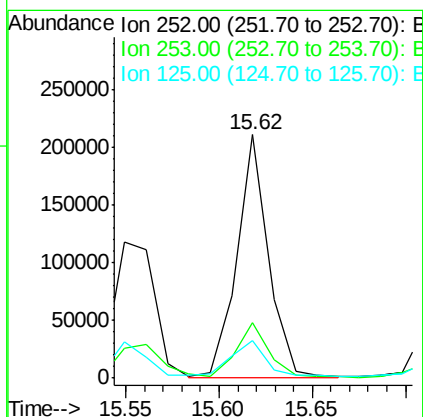
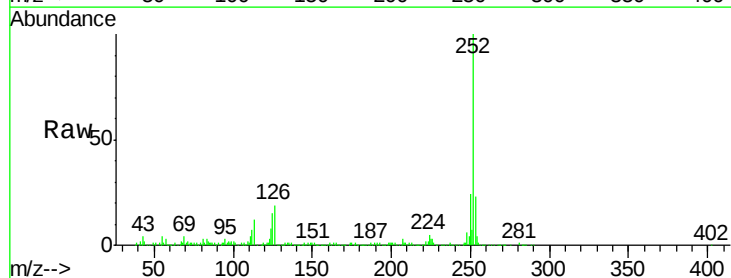
Instrument :
BNA_F
ClientSampleId :
RER-SUPPLY-TOPSOIL

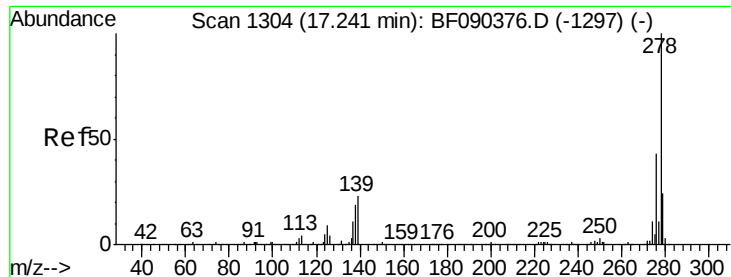
Tgt Ion:252 Resp: 499728
Ion Ratio Lower Upper
252 100
253 22.8 18.6 27.8
125 16.3 11.7 17.5



#89
Benzo(a)pyrene
Concen: 10.92 ng
RT: 15.62 min Scan# 1162
Delta R.T. -0.02 min
Lab File: BF090432.D
Acq: 6 Oct 2016 21:42

Tgt Ion:252 Resp: 246741
Ion Ratio Lower Upper
252 100
253 23.0 18.2 27.4
125 15.4 9.8 14.8#

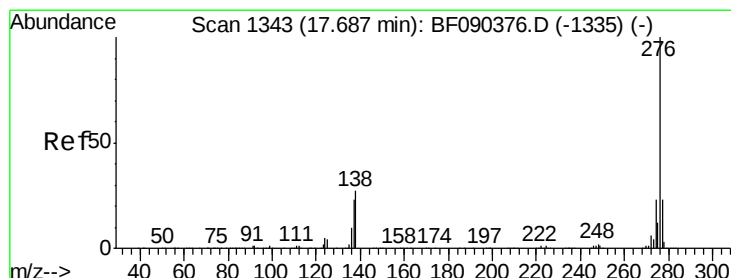
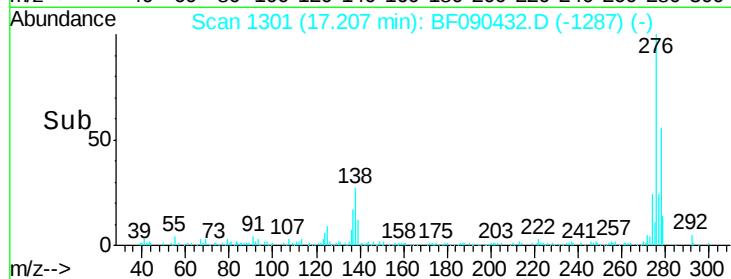
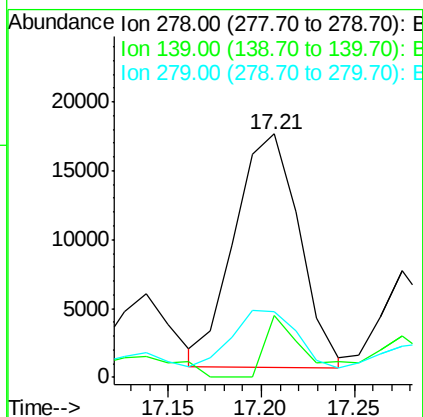
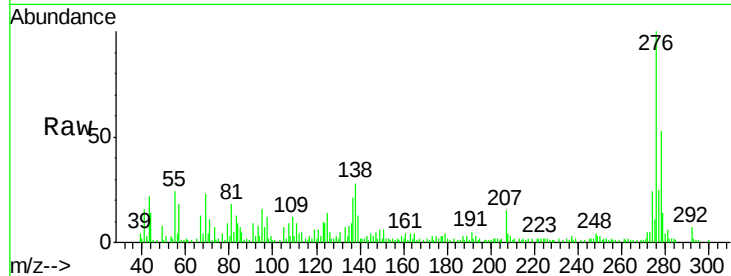




#90
Dibenzo(a,h)anthracene
Concen: 2.13 ng
RT: 17.21 min Scan# 1301
Delta R.T. -0.03 min
Lab File: BF090432.D
Acq: 6 Oct 2016 21:42

Instrument :
BNA_F
ClientSampleId :
RER-SUPPLY-TOPSOIL

Tgt Ion:278 Resp: 40913
Ion Ratio Lower Upper
278 100
139 25.5 12.8 19.2#
279 27.2 19.6 29.4



#91
Benzo(g,h,i)perylene
Concen: 8.35 ng
RT: 17.65 min Scan# 1340
Delta R.T. -0.03 min
Lab File: BF090432.D
Acq: 6 Oct 2016 21:42

Tgt Ion:276 Resp: 154128
Ion Ratio Lower Upper
276 100
277 23.9 19.4 29.0
138 28.1 20.8 31.2

