

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100716\
 Data File : BF090444.D
 Acq On : 7 Oct 2016 14:28
 Operator : UM/SJ
 Sample : H5110-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RER-SUPPLY-TOPSOIL

Manual Integrations
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Quant Time: Oct 07 16:20:23 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 07 13:55:49 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.99	152	232395	20.00	ng	0.00
21) Naphthalene-d8	8.27	136	935461	20.00	ng	-0.01
38) Acenaphthene-d10	10.04	164	502489	20.00	ng	0.00
63) Phenanthrene-d10	11.53	188	833056	20.00	ng	0.00
75) Chrysene-d12	14.18	240	541976	20.00	ng	0.00
86) Perylene-d12	15.68	264	424843	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	1960459	125.90	ng	0.01
7) Phenol-d6	6.61	99	2534093	124.26	ng	0.00
23) Nitrobenzene-d5	7.55	82	1684705	87.60	ng	0.00
41) 2,4,6-Tribromophenol	10.83	330	655527	160.44	ng	0.00
44) 2-Fluorobiphenyl	9.35	172	2381193	78.96	ng	0.00
78) Terphenyl-d14	13.12	244	1855814	76.98	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.74	163	830623	25.81	ng	99
70) Phenanthrene	11.55	178	307921	7.22	ng	95
74) Fluoranthene	12.74	202	769336	18.39	ng	94
77) Pyrene	12.97	202	674056	18.65	ng	98
80) Benzo(a)anthracene	14.17	228	332376	10.93	ng	99
82) Chrysene	14.20	228	356822	12.75	ng	98
85) Indeno(1,2,3-cd)pyrene	17.17	276	155228	7.78	ng	98
87) Benzo(b)fluoranthene	15.23	252	382395m	14.13	ng	
88) Benzo(k)fluoranthene	15.24	252	178382m	7.02	ng	
89) Benzo(a)pyrene	15.61	252	248839	10.67	ng	# 98
91) Benzo(g,h,i)perylene	17.63	276	141193	7.41	ng	99

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

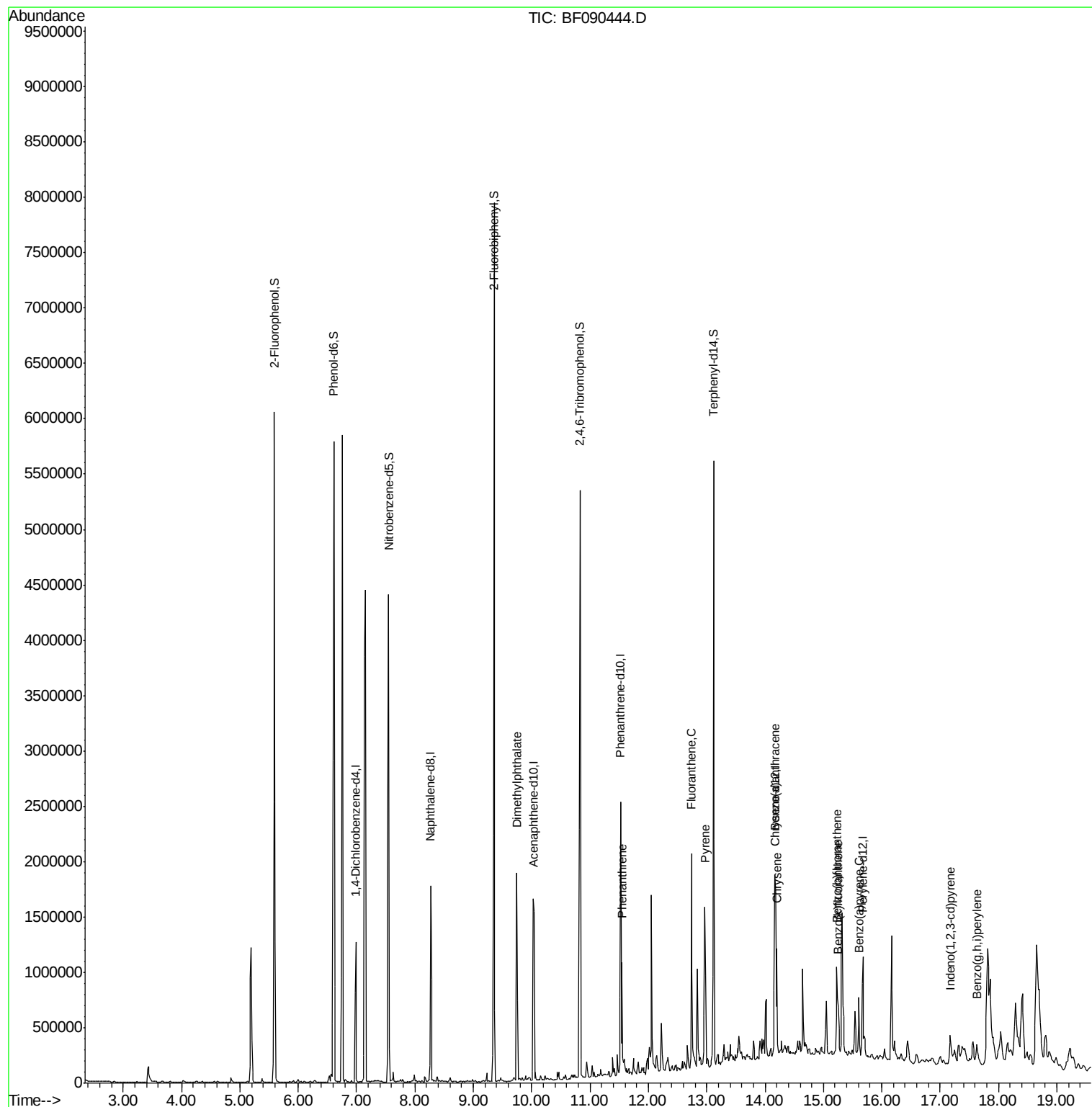
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100716\
Data File : BF090444.D
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Sample : H5110-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

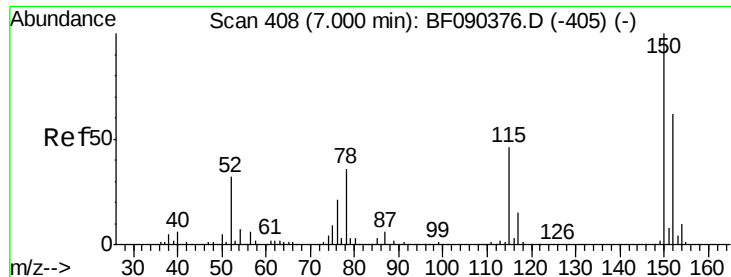
Instrument :
BNA_F
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RER-SUPPLY-TOPSOIL

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#1

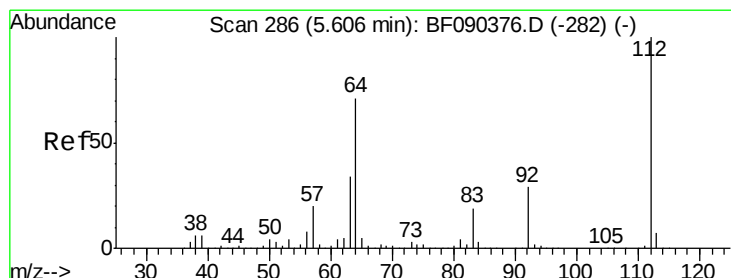
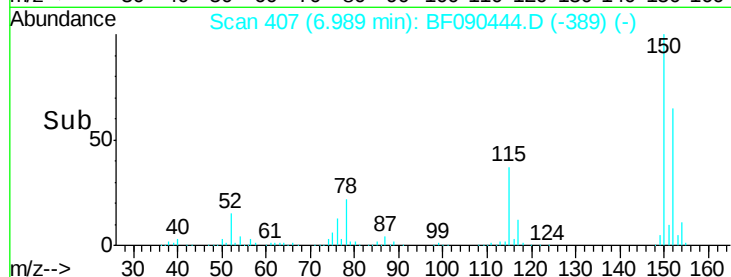
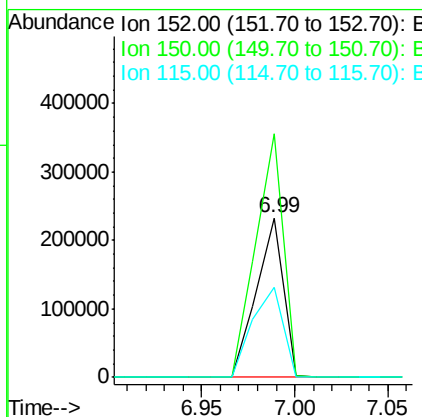
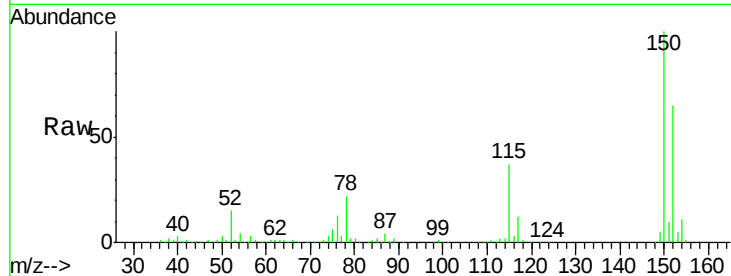
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.99 min Scan# 407
Delta R.T. 0.00 min
Lab File: BF090444.D
Acq: 7 Oct 2016 14:28

Instrument :
BNA_F
ClientSampleId :
RER-SUPPLY-TOPSOIL

Tgt Ion	Ratio	Lower	Upper
152	100		
150	153.0	124.6	186.8
115	56.4	46.2	69.4

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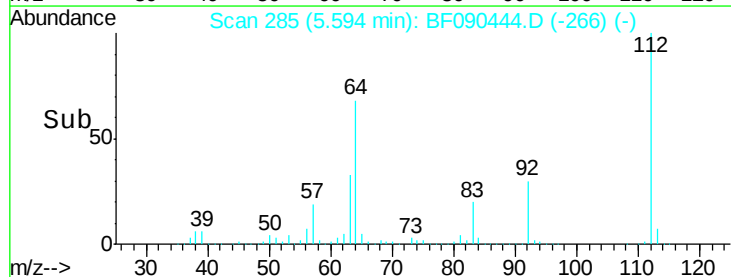
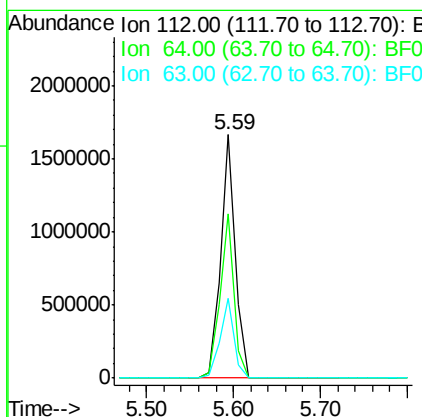
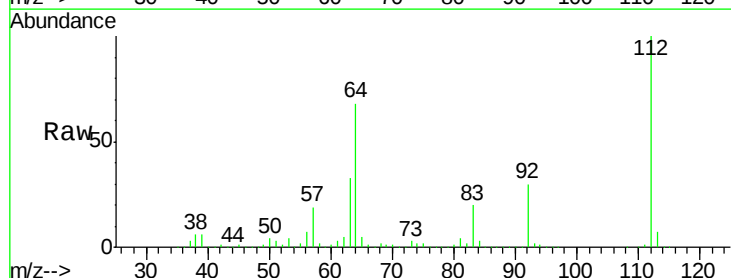
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#5

2-Fluorophenol
Concen: 125.90 ng
RT: 5.59 min Scan# 285
Delta R.T. 0.01 min
Lab File: BF090444.D
Acq: 7 Oct 2016 14:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.6	57.9	86.9
63	32.8	29.6	44.4





#7

Phenol-d6

Concen: 124.26 ng

RT: 6.61 min Scan# 374

Delta R.T. 0.00 min

Lab File: BF090444.D

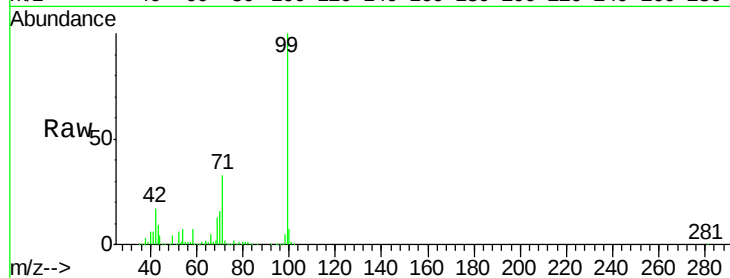
Acq: 7 Oct 2016 14:28

Instrument :

BNA_F

ClientSampleId :

RER-SUPPLY-TOPSOIL



Tgt Ion: 99 Resp: 2534093

Ion Ratio Lower Upper

99 100

42 16.6 20.0 30.0#

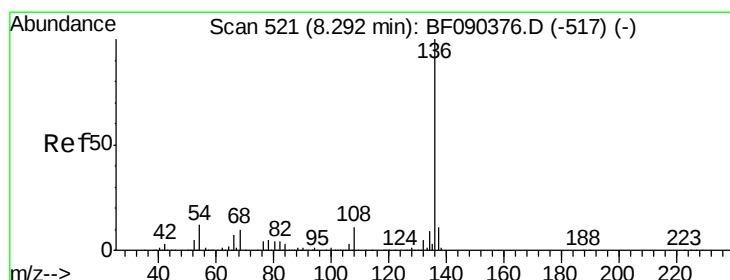
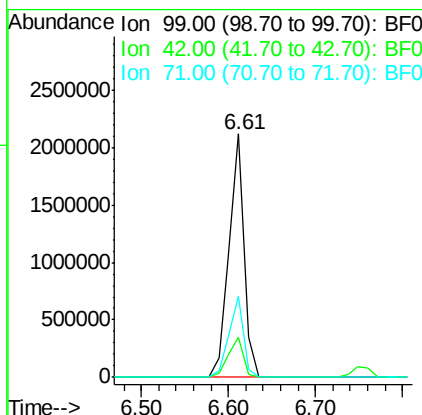
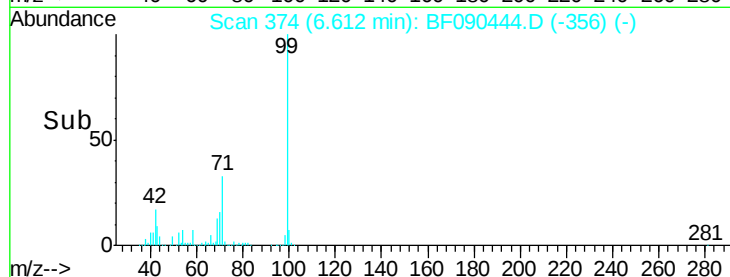
71 33.3 27.9 41.9

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.27 min Scan# 519

Delta R.T. -0.01 min

Lab File: BF090444.D

Acq: 7 Oct 2016 14:28

Tgt Ion: 136 Resp: 935461

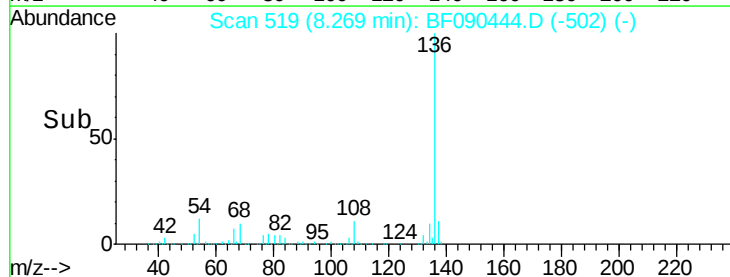
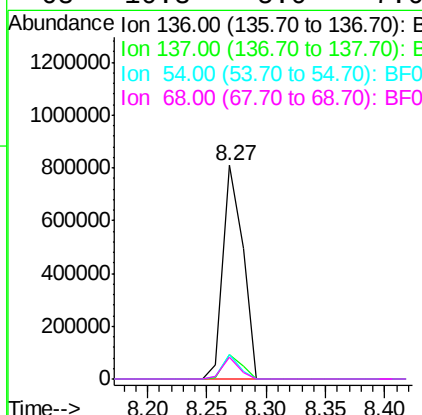
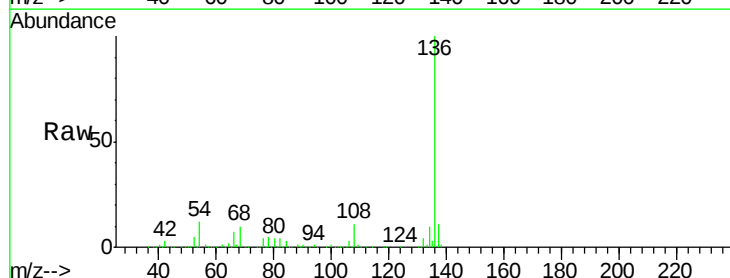
Ion Ratio Lower Upper

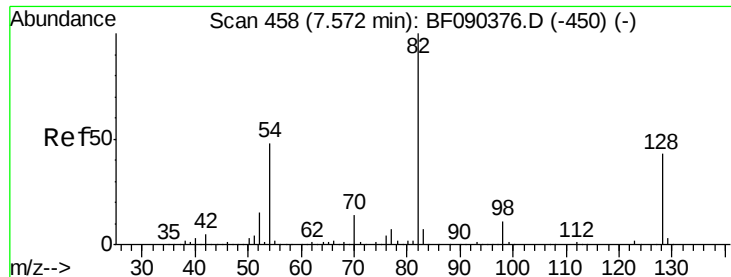
136 100

137 11.2 9.0 13.6

54 11.7 6.6 10.0#

68 10.3 5.0 7.6#





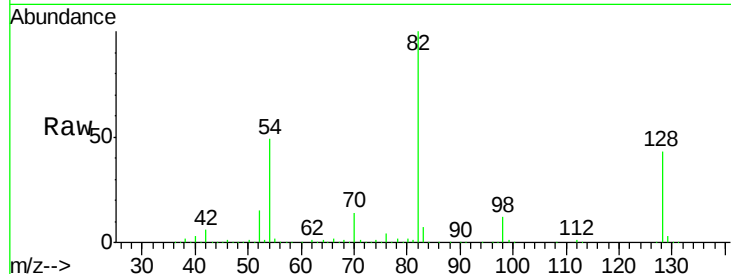
#23
 Nitrobenzene-d5
 Concen: 87.60 ng
 RT: 7.55 min Scan# 456
 Delta R.T. 0.00 min
 Lab File: BF090444.D
 Acq: 7 Oct 2016 14:28

Instrument :
 BNA_F
 ClientSampleId :
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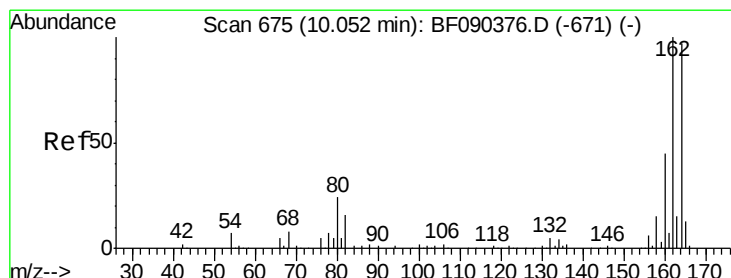
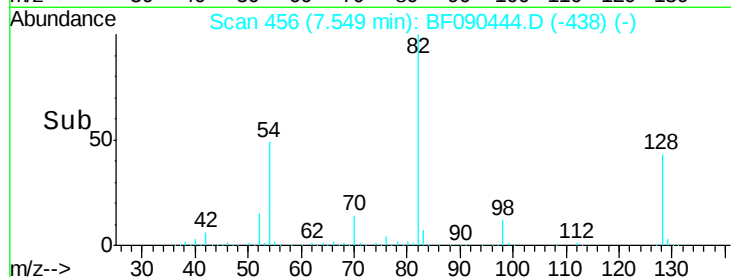
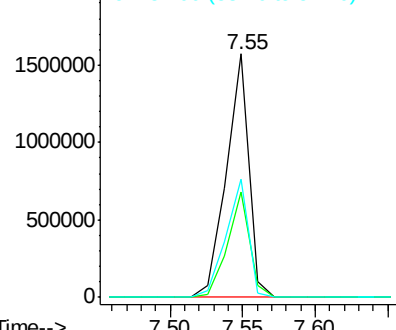
Tgt Ion: 82 Resp: 1684705
 Ion Ratio Lower Upper
 82 100
 128 43.2 40.0 60.0
 54 48.7 42.6 64.0

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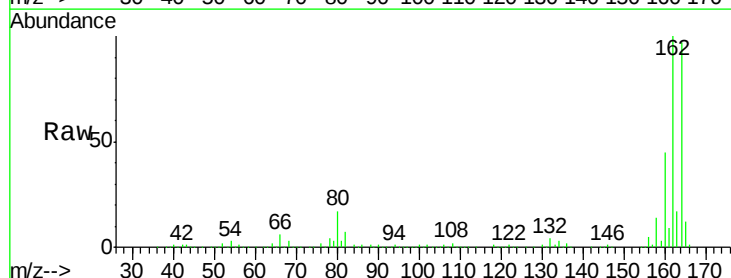


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

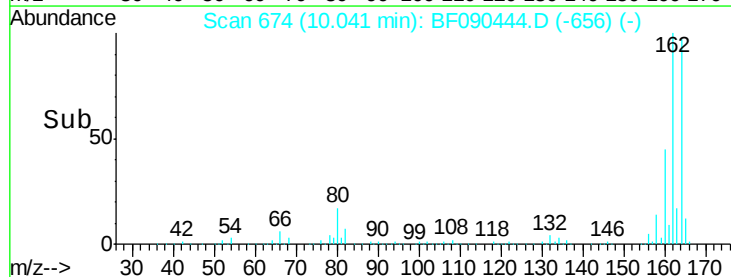
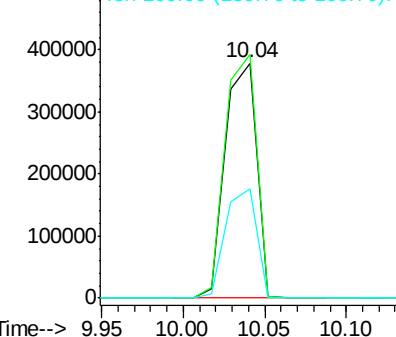


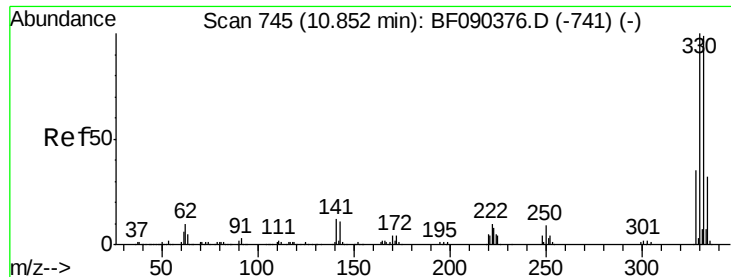
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.04 min Scan# 674
 Delta R.T. 0.00 min
 Lab File: BF090444.D
 Acq: 7 Oct 2016 14:28

Tgt Ion: 164 Resp: 502489
 Ion Ratio Lower Upper
 164 100
 162 103.6 80.1 120.1
 160 46.3 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





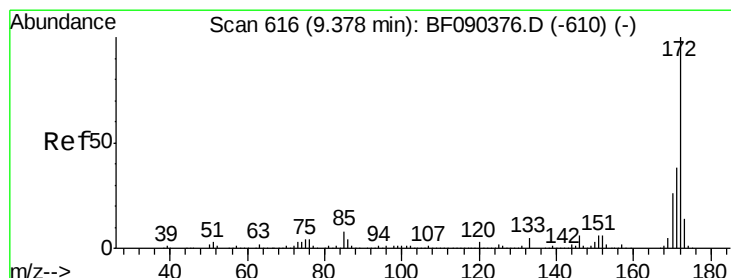
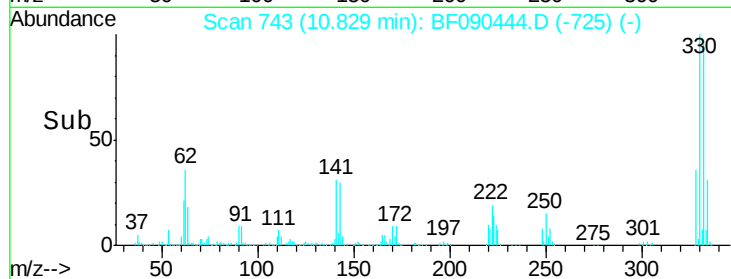
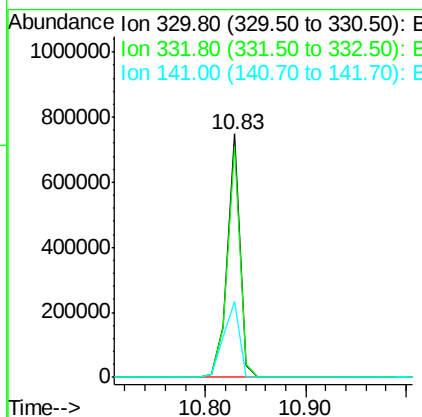
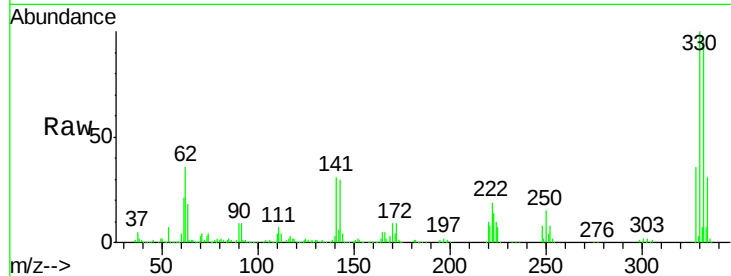
#41
 2,4,6-Tribromophenol
 Concen: 160.44 ng
 RT: 10.83 min Scan# 743
 Delta R.T. 0.00 min
 Lab File: BF090444.D
 Acq: 7 Oct 2016 14:28

Instrument :
 BNA_F
 ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
330	100	655527		
332	95.4	75.4	113.0	
141	39.1	26.9	40.3	

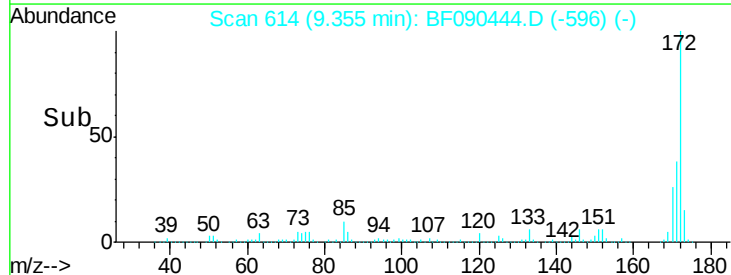
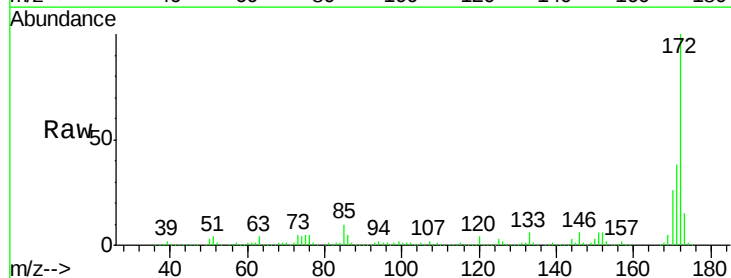
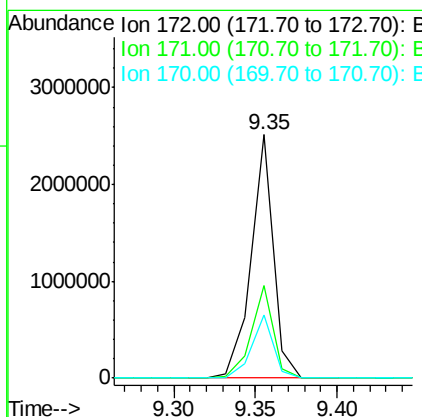
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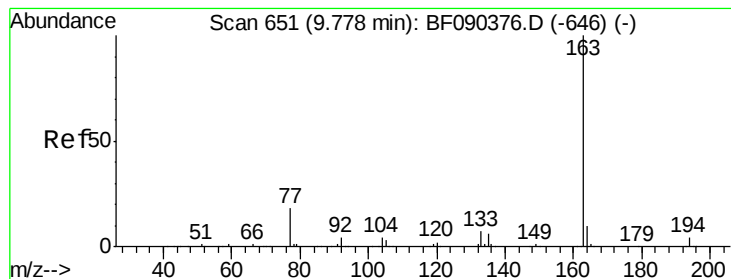
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#44
 2-Fluorobiphenyl
 Concen: 78.96 ng
 RT: 9.35 min Scan# 614
 Delta R.T. 0.00 min
 Lab File: BF090444.D
 Acq: 7 Oct 2016 14:28

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	2381193		
171	38.1	31.8	47.8	
170	26.0	21.7	32.5	





#49

Dimethylphthalate

Concen: 25.81 ng

RT: 9.74 min Scan# 648

Delta R.T. -0.02 min

Lab File: BF090444.D

Acq: 7 Oct 2016 14:28

Instrument :

BNA_F

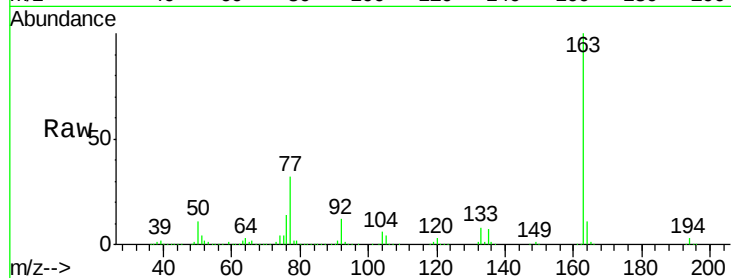
ClientSampleId :

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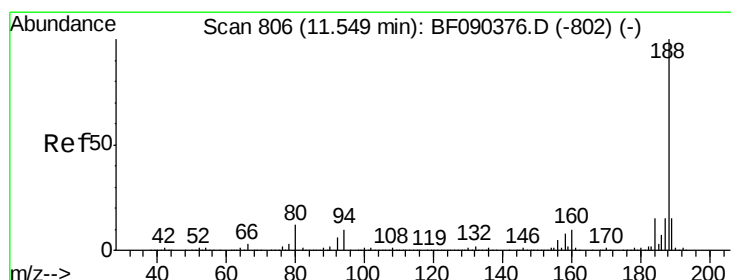
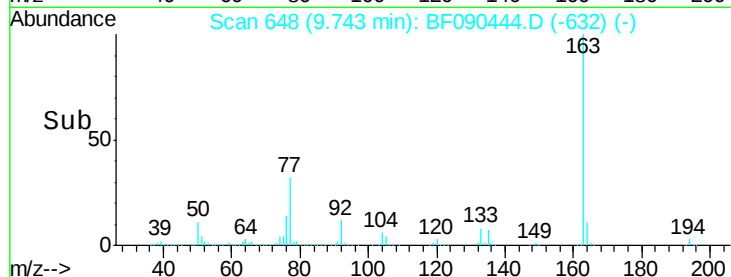
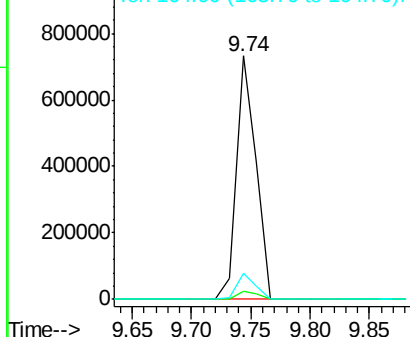
Tgt Ion:	163	Resp:	830623
Ion Ratio	Lower	Upper	
163	100		
194	3.1	2.8	4.2
164	10.9	9.0	13.4

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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

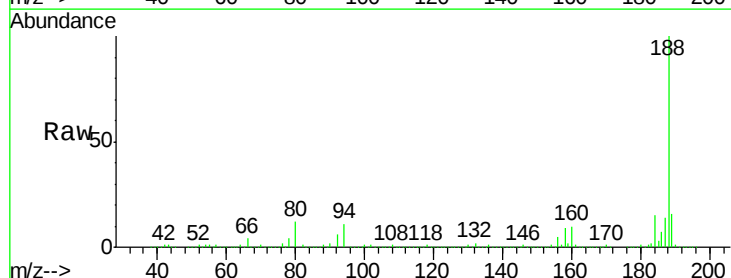
RT: 11.53 min Scan# 804

Delta R.T. 0.00 min

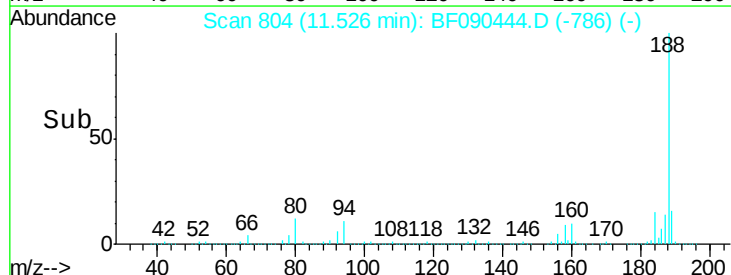
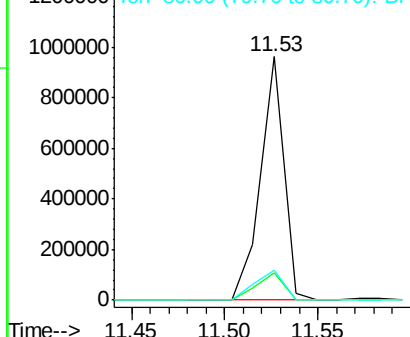
Lab File: BF090444.D

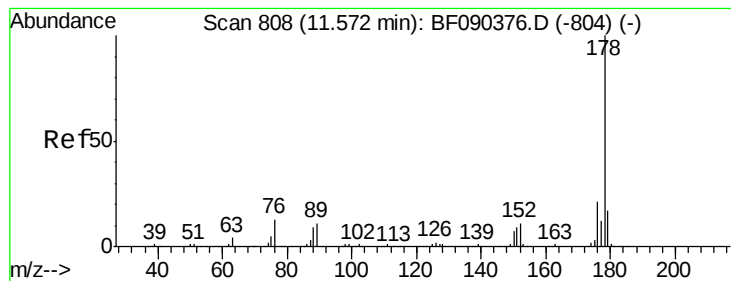
Acq: 7 Oct 2016 14:28

Tgt Ion:	188	Resp:	833056
Ion Ratio	Lower	Upper	
188	100		
94	11.1	8.2	12.2
80	12.3	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: 7.22 ng

RT: 11.55 min Scan# 806

Delta R.T. 0.00 min

Lab File: BF090444.D

Acq: 7 Oct 2016 14:28

Instrument :

BNA_F

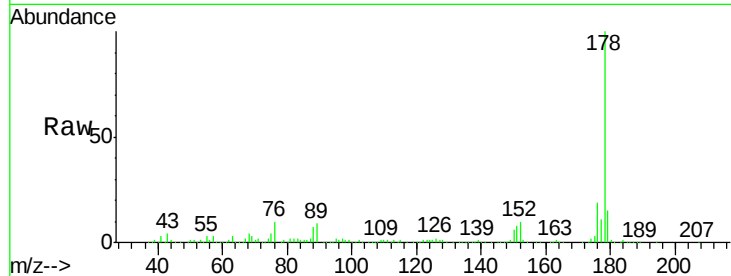
ClientSampleId :

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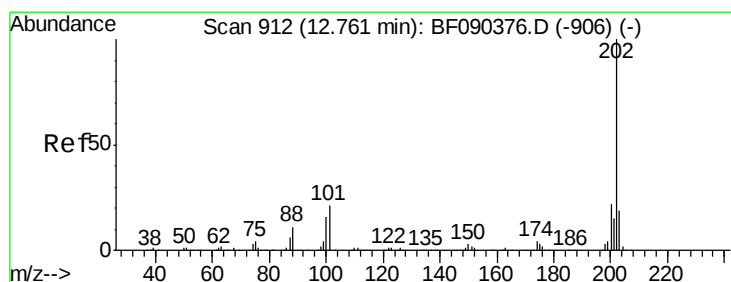
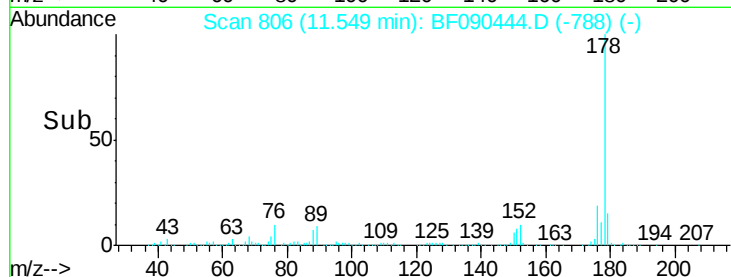
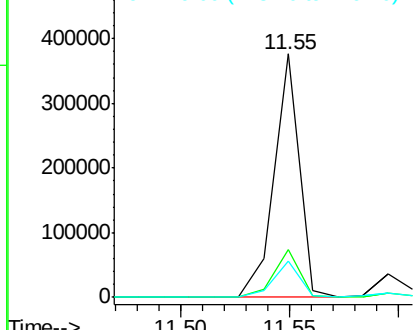
Tgt Ion:	178	Resp:	307921
Ion Ratio	Lower	Upper	
178	100		
176	19.4	17.3	25.9
179	15.1	13.8	20.6

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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: 18.39 ng

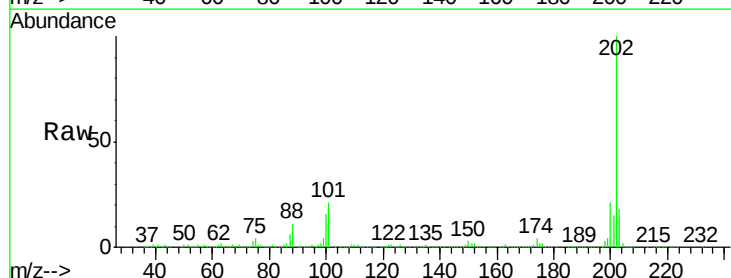
RT: 12.74 min Scan# 910

Delta R.T. -0.01 min

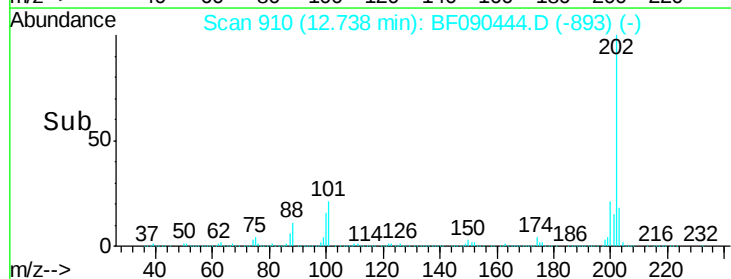
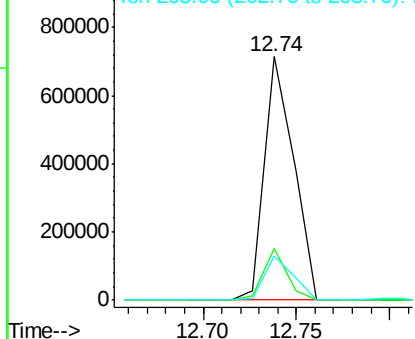
Lab File: BF090444.D

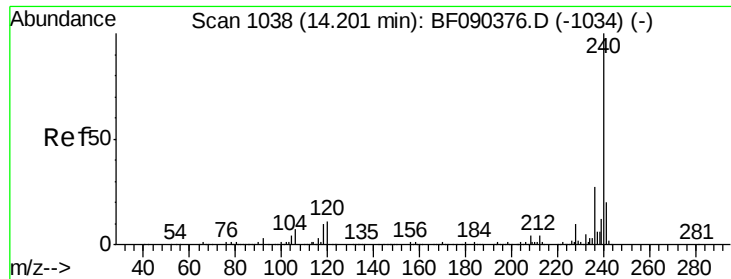
Acq: 7 Oct 2016 14:28

Tgt Ion:	202	Resp:	769336
Ion Ratio	Lower	Upper	
202	100		
101	21.1	0.0	37.2
203	18.2	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. 0.00 min

Lab File: BF090444.D

Acq: 7 Oct 2016 14:28

Instrument :

BNA_F

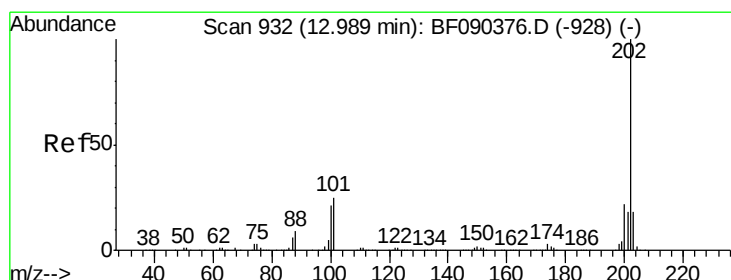
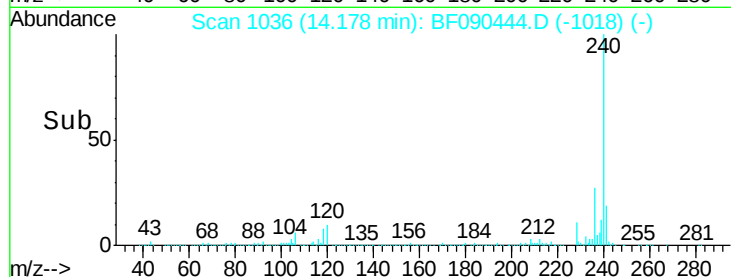
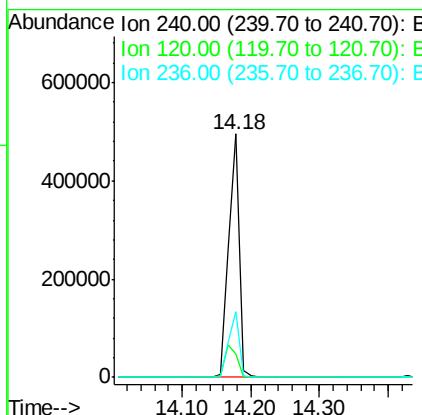
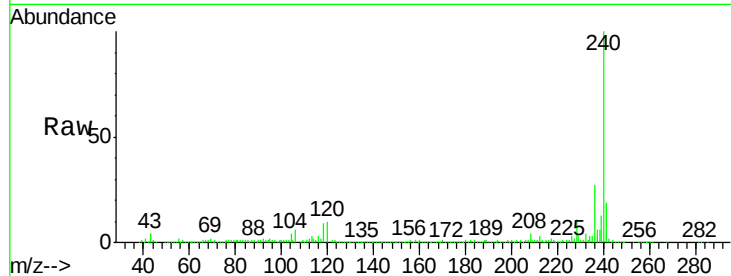
ClientSampleId :

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Tgt Ion:	240	Resp:	541976
Ion Ratio	Lower	Upper	
240	100		
120	9.7	8.6	13.0
236	27.1	21.6	32.4

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#77

Pyrene

Concen: 18.65 ng

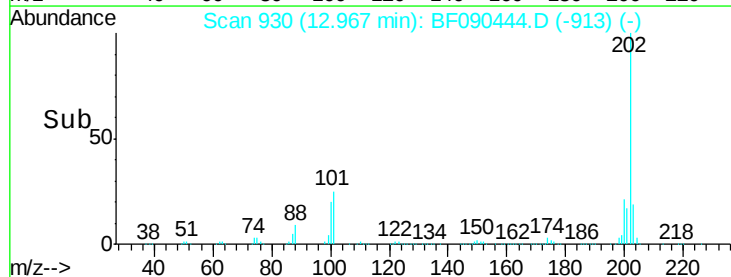
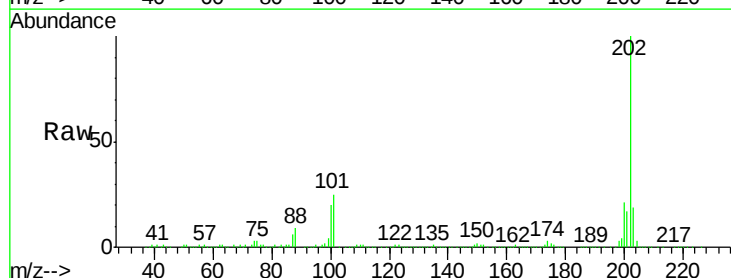
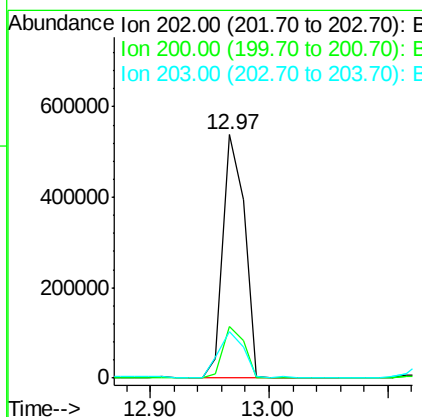
RT: 12.97 min Scan# 930

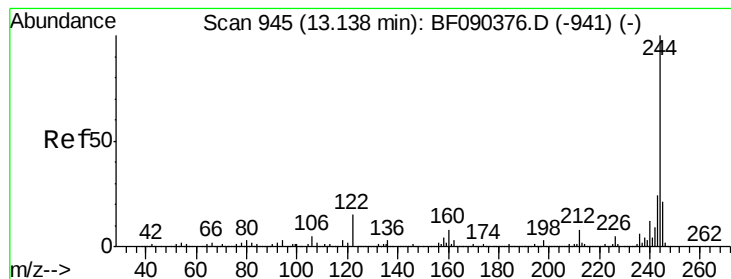
Delta R.T. -0.01 min

Lab File: BF090444.D

Acq: 7 Oct 2016 14:28

Tgt Ion:	202	Resp:	674056
Ion Ratio	Lower	Upper	
202	100		
200	21.4	18.5	27.7
203	19.3	15.0	22.6





#78

Terphenyl-d14

Concen: 76.98 ng

RT: 13.12 min Scan# 943

Delta R.T. -0.01 min

Lab File: BF090444.D

Acq: 7 Oct 2016 14:28

Instrument :

BNA_F

ClientSampleId :

RER-SUPPLY-TOPSOIL

Tgt Ion:244 Resp: 1855814

Ion Ratio Lower Upper

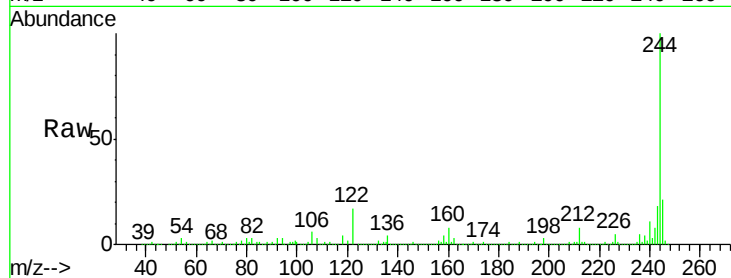
244 100

212 7.7 6.8 10.2

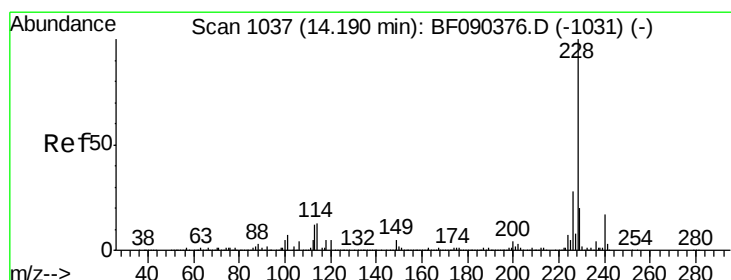
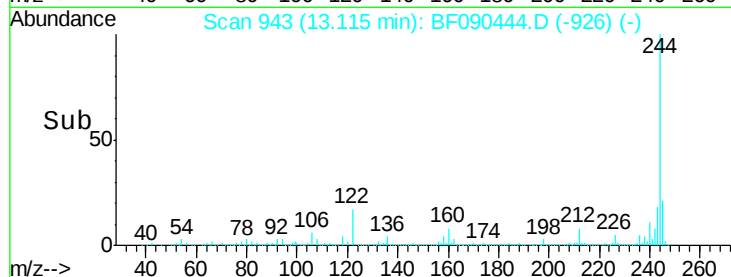
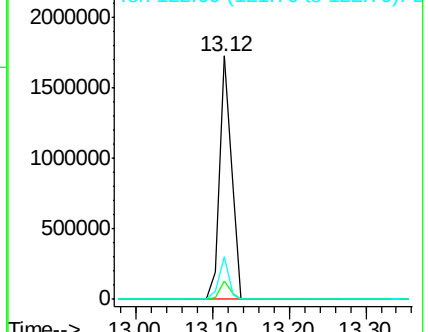
122 17.4 13.3 19.9

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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: 10.93 ng

RT: 14.17 min Scan# 1035

Delta R.T. 0.00 min

Lab File: BF090444.D

Acq: 7 Oct 2016 14:28

Tgt Ion:228 Resp: 332376

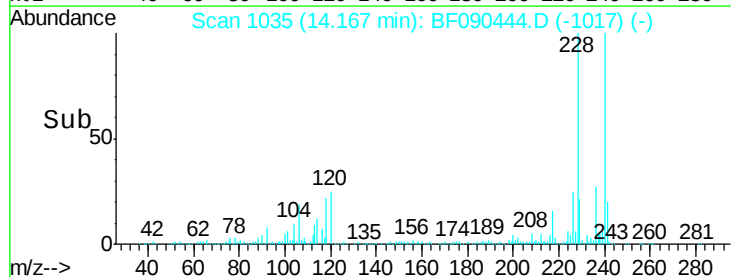
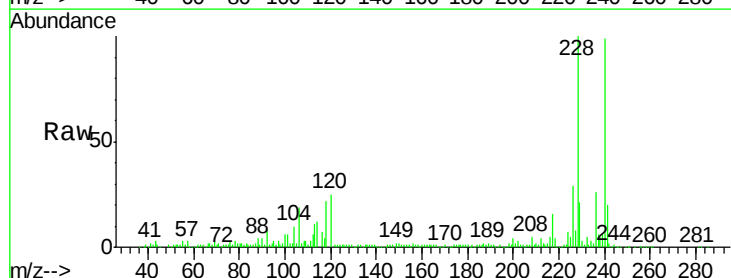
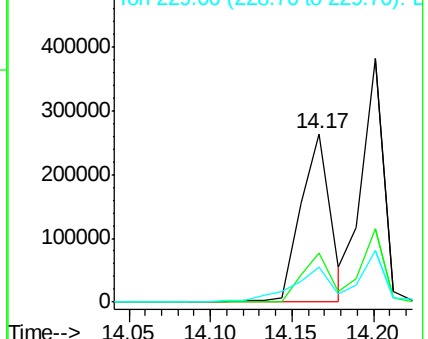
Ion Ratio Lower Upper

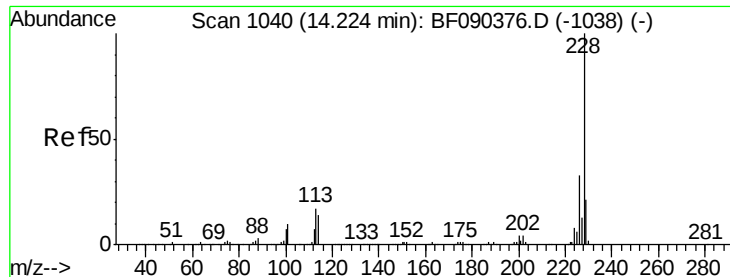
228 100

226 28.8 23.6 35.4

229 21.0 16.6 25.0

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: 12.75 ng

RT: 14.20 min Scan# 1038

Delta R.T. -0.01 min

Lab File: BF090444.D

Acq: 7 Oct 2016 14:28

Instrument :

BNA_F

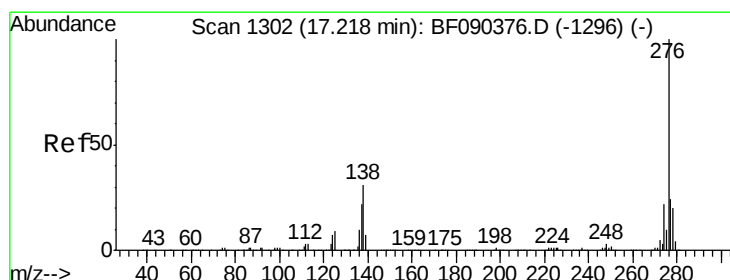
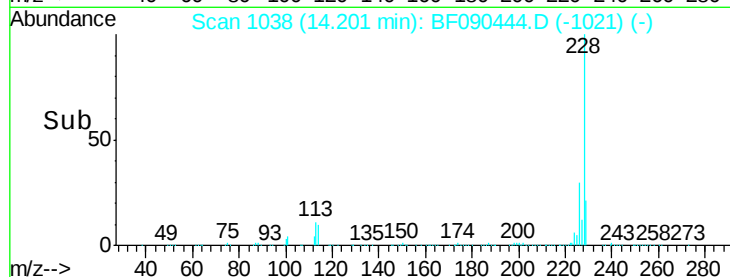
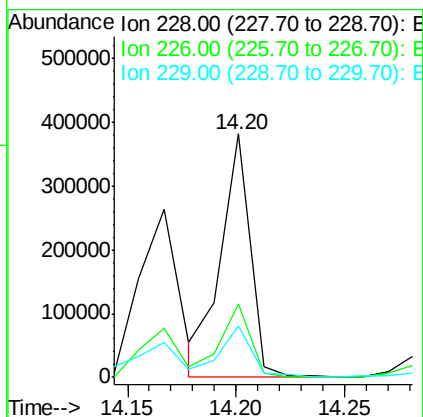
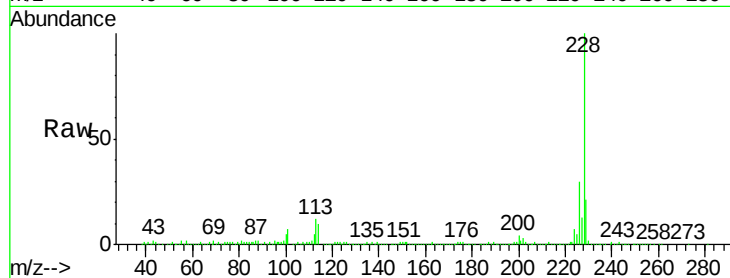
ClientSampleId :

RER-SUPPLY-TOPSOIL

Tgt Ion:	228	Resp:	356822
Ion Ratio	Lower	Upper	
228	100		
226	30.3	25.8	38.6
229	21.3	16.9	25.3

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#85

Indeno(1,2,3-cd)pyrene

Concen: 7.78 ng

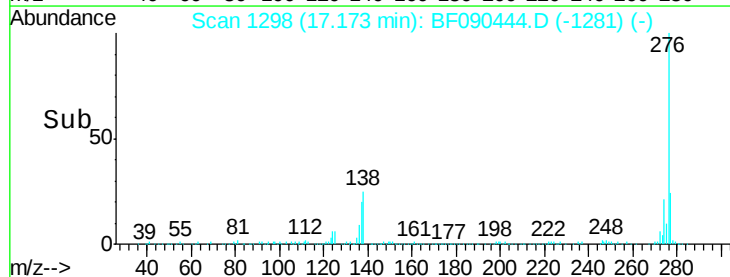
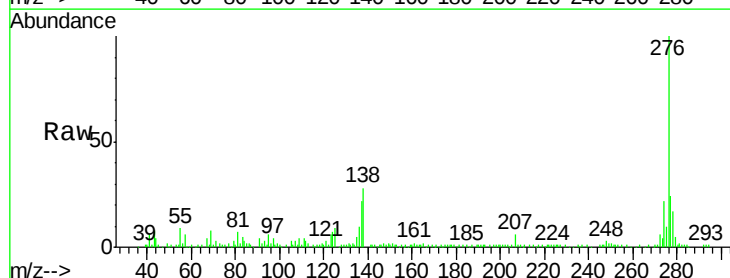
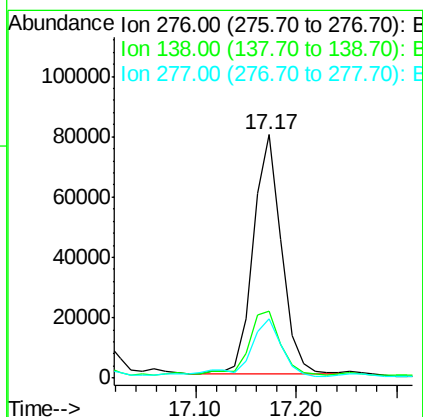
RT: 17.17 min Scan# 1298

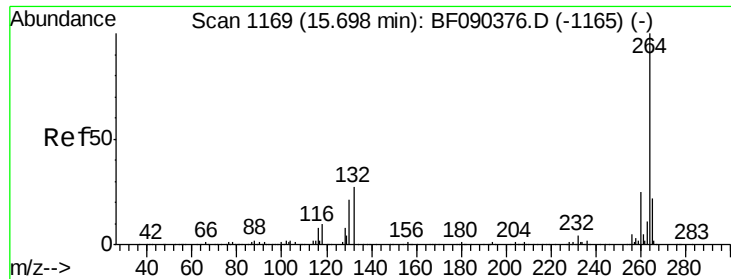
Delta R.T. -0.01 min

Lab File: BF090444.D

Acq: 7 Oct 2016 14:28

Tgt Ion:	276	Resp:	155228
Ion Ratio	Lower	Upper	
276	100		
138	29.6	23.8	35.8
277	27.9	20.4	30.6





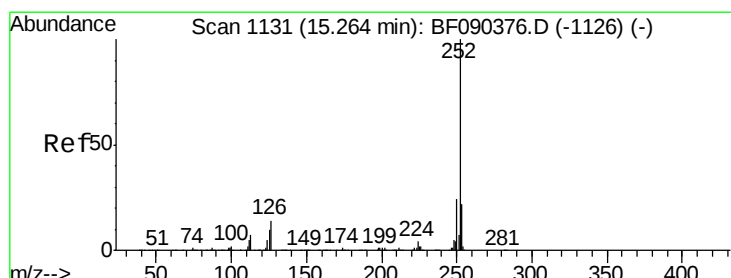
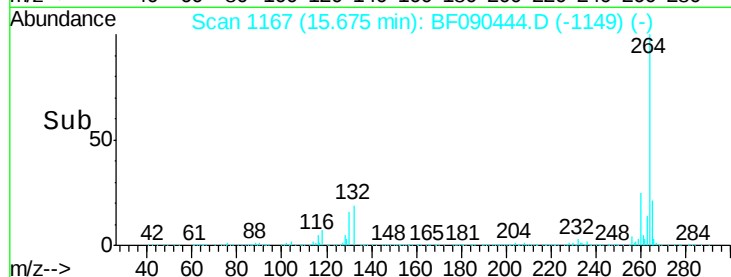
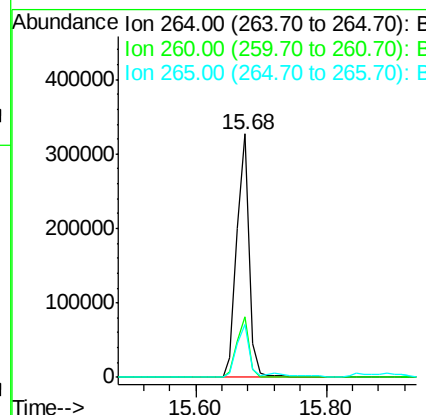
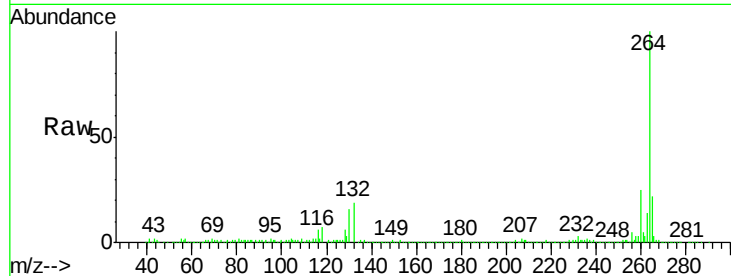
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.68 min Scan# 1167
Delta R.T. 0.00 min
Lab File: BF090444.D
Acq: 7 Oct 2016 14:28

Instrument :
BNA_F
ClientSampleId :
RER-SUPPLY-TOPSOIL

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.3	28.9
265	21.6	17.4	26.0

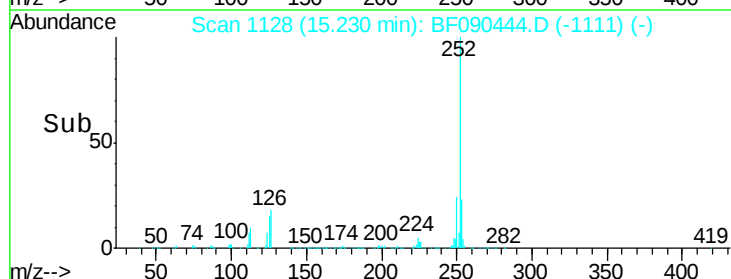
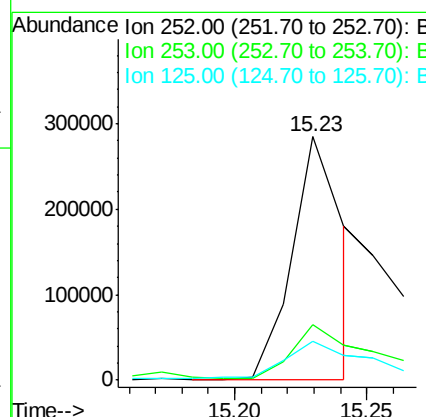
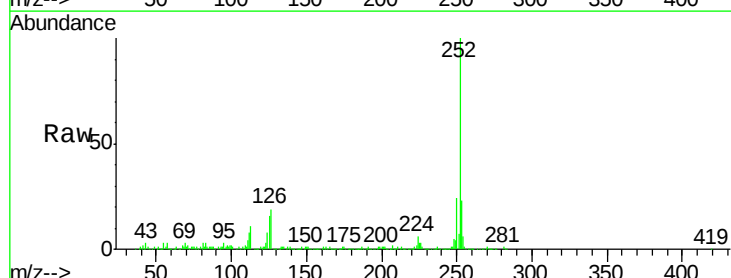
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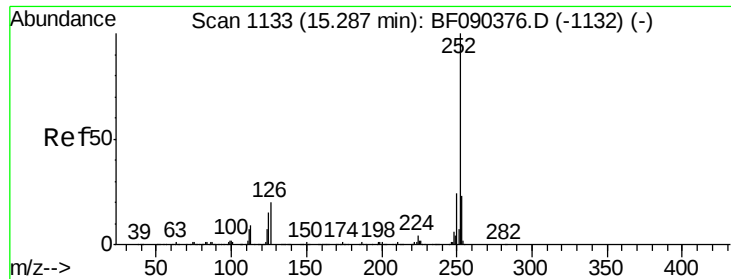
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#87
Benzo(b)fluoranthene
Concen: 14.13 ng m
RT: 15.23 min Scan# 1128
Delta R.T. -0.01 min
Lab File: BF090444.D
Acq: 7 Oct 2016 14:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.2	27.2
125	16.0	7.0	10.4





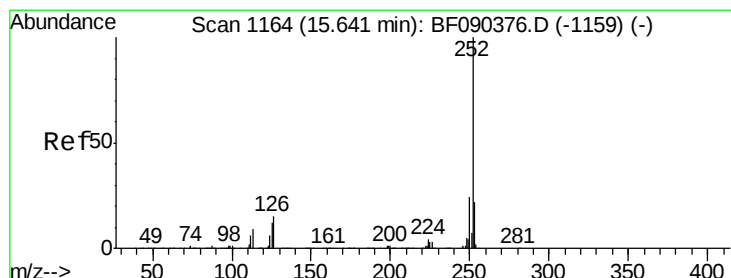
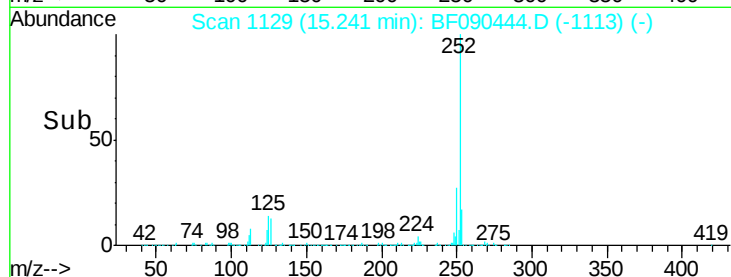
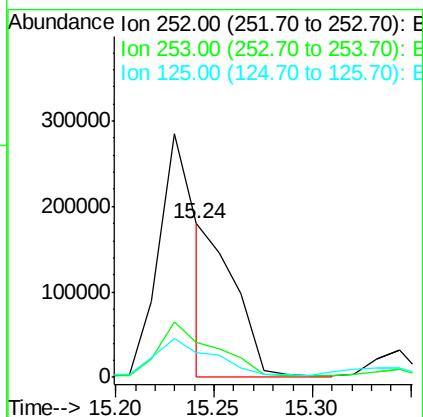
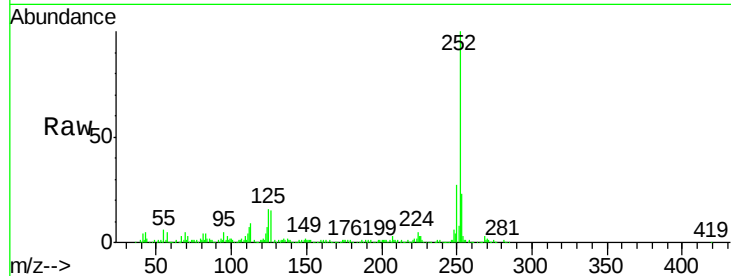
#88
Benzo(k)fluoranthene
Concen: 7.02 ng m
RT: 15.24 min Scan# 1129
Delta R.T. -0.02 min
Lab File: BF090444.D
Acq: 7 Oct 2016 14:28

Instrument :
BNA_F
ClientSampleId :
RER-SUPPLY-TOPSOIL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.6	27.8
125	15.8	11.7	17.5

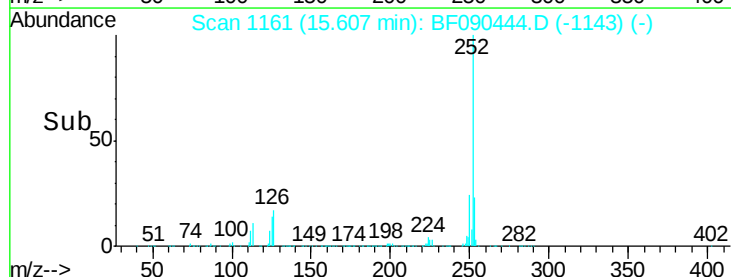
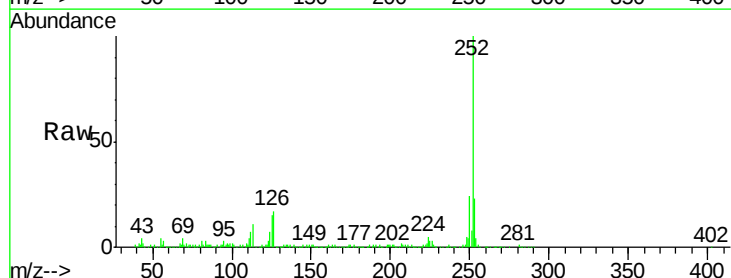
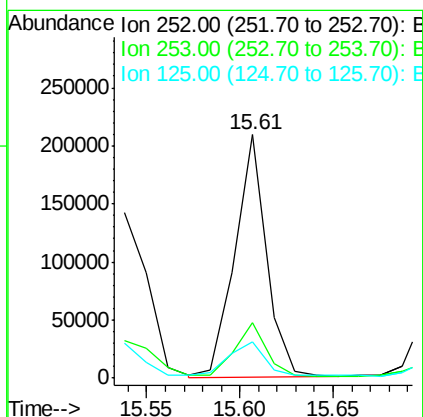
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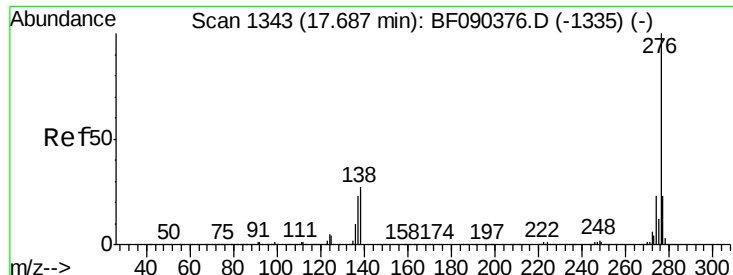
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#89
Benzo(a)pyrene
Concen: 10.67 ng
RT: 15.61 min Scan# 1161
Delta R.T. 0.00 min
Lab File: BF090444.D
Acq: 7 Oct 2016 14:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.2	27.4
125	14.9	9.8	14.8#





#91
 Benzo(g,h,i)perylene
 Concen: 7.41 ng
 RT: 17.63 min Scan# 1338
 Delta R.T. -0.01 min
 Lab File: BF090444.D
 Acq: 7 Oct 2016 14:28

Instrument :
 BNA_F
 ClientSampleId :
 RER-SUPPLY-TOPSOIL

Tgt Ion:	276	Resp:	141193
Ion Ratio		Lower	Upper
276	100		
277	24.6	19.4	29.0
138	26.7	20.8	31.2

Manual Integrations
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