

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

Manual Integrations
 APPROVED

sohil
 10/7/2016 7:02:28 PM

Quant Time: Oct 07 00:30:18 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
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	346297m	13.20	ng	
88) Benzo(k)fluoranthene	15.25	252	155660m	6.32	ng	
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(a,h,i)perylene	17.65	276	154128	8.35	ng	98

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

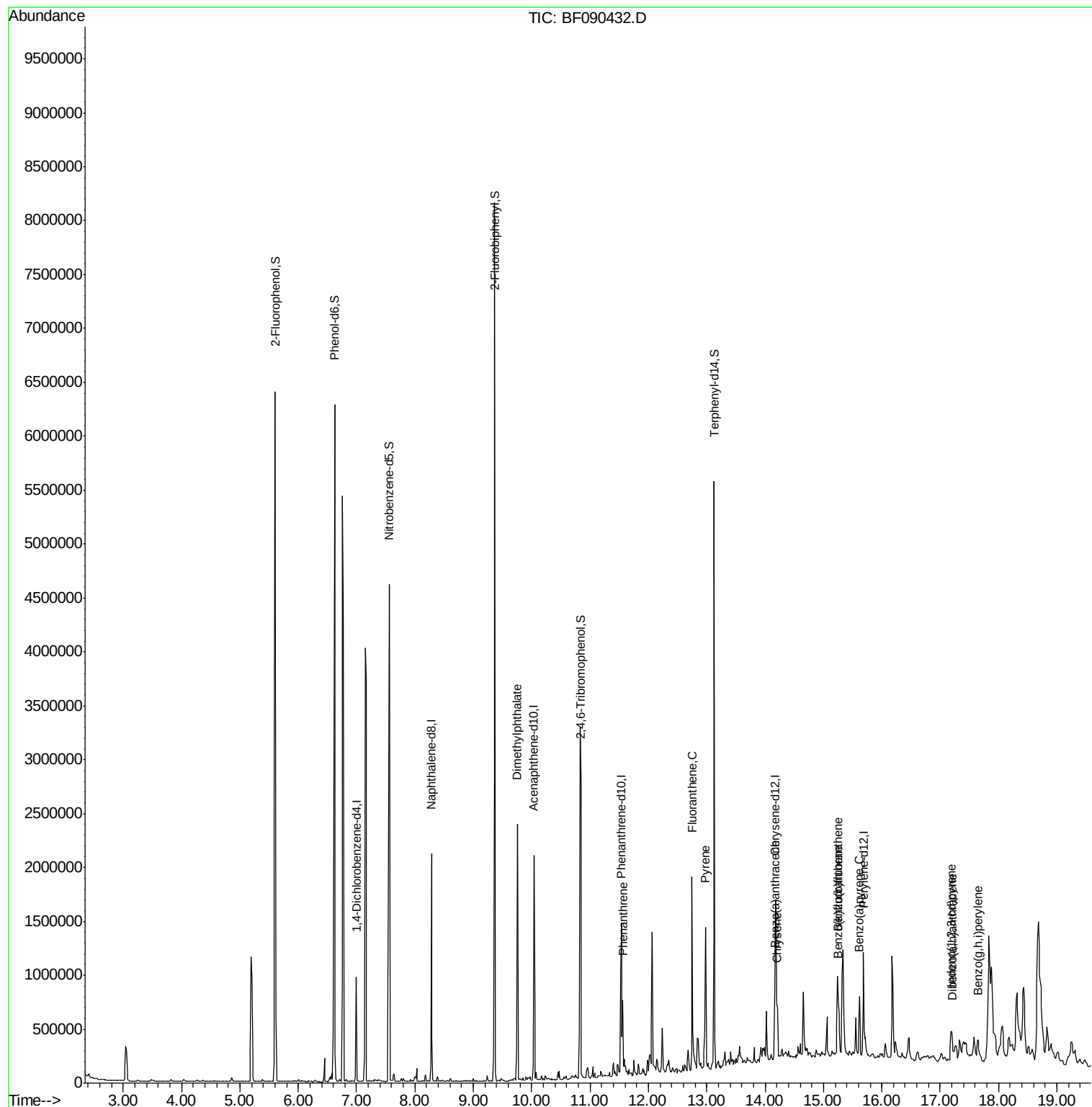
Data Path : Z:\HPCHEM1\BNA F\DATA\BF100616\
Data File : BF090432.D
Acq On : 6 Oct 2016 21:42
Operator : UM/SJ
Sample : H5110-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

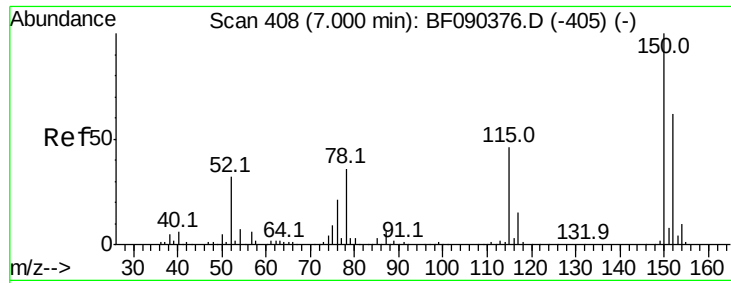
Instrument :
BNA_F
ClientSampleId :
RER-SUPPLY-TOPSOIL

Manual Integrations
APPROVED

sohil
10/7/2016 7:02:28 PM

Quant Time: Oct 07 00:30:18 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





#1

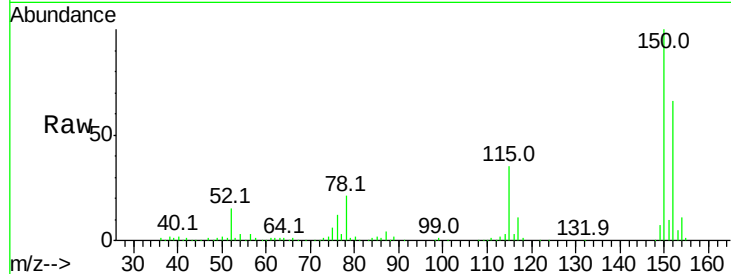
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.00 min Scan# 408
Delta R.T. -0.00 min
Lab File: BF090432.D
Acq: 6 Oct 2016 21:42

Instrument :
BNA_F
ClientSampleId :
RER-SUPPLY-TOPSOIL

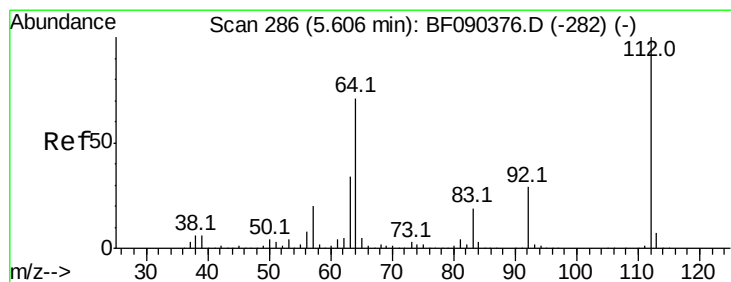
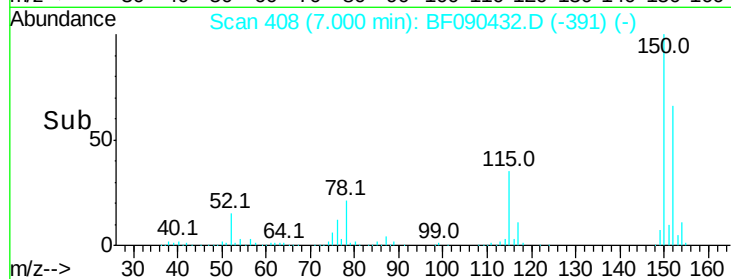
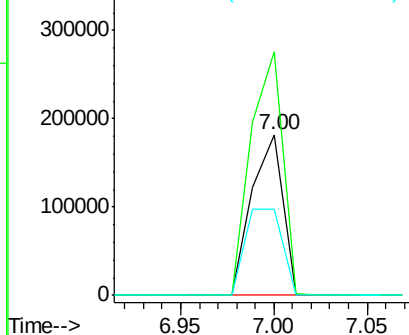
Tot Ion	Ratio	Lower	Upper
152	100		
150	151.5	124.6	186.8
115	53.3	46.2	69.4

Manual Integrations
APPROVED

sohil
10/7/2016 7:02:28 PM



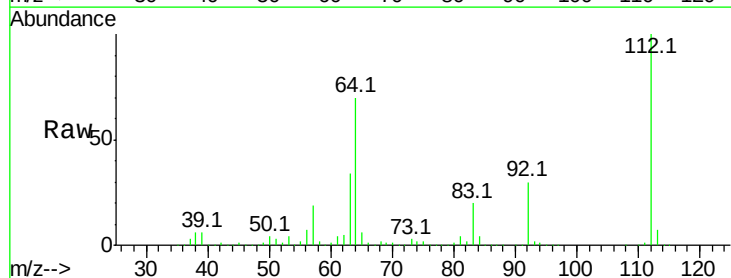
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



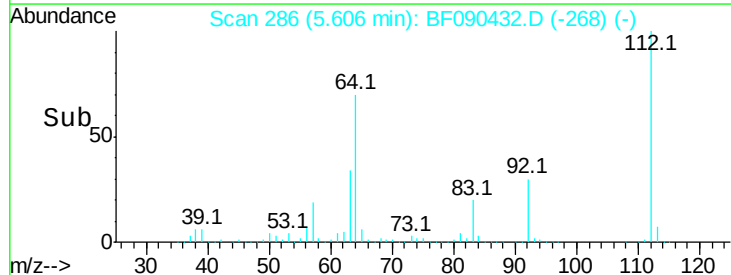
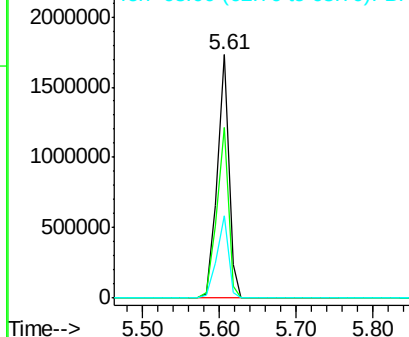
#5

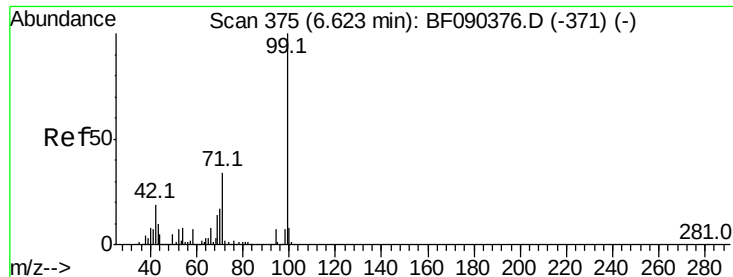
2-Fluorophenol
Concen: 130.66 ng
RT: 5.61 min Scan# 286
Delta R.T. 0.00 min
Lab File: BF090432.D
Acq: 6 Oct 2016 21:42

Tgt Ion	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

ClientSampleId :

RER-SUPPLY-TOPSOIL

Tot Ion: 99 Resp: 2495945

Ion Ratio Lower Upper

99 100

42 16.5 20.0 30.0#

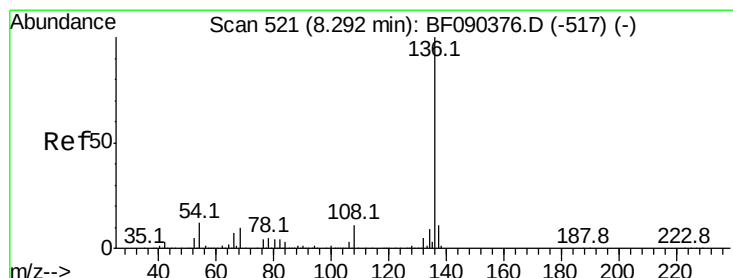
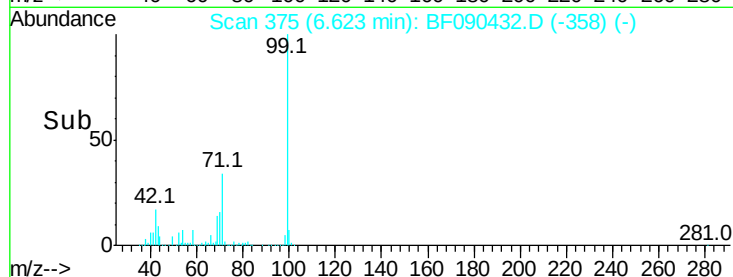
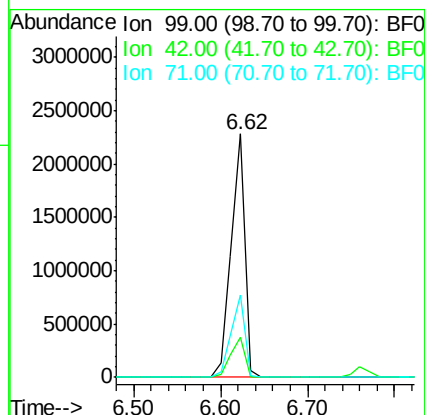
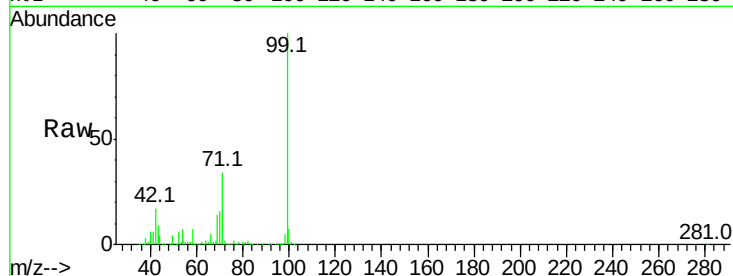
71 33.8 27.9 41.9

Manual Integrations

APPROVED

sohil

10/7/2016 7:02:28 PM



#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

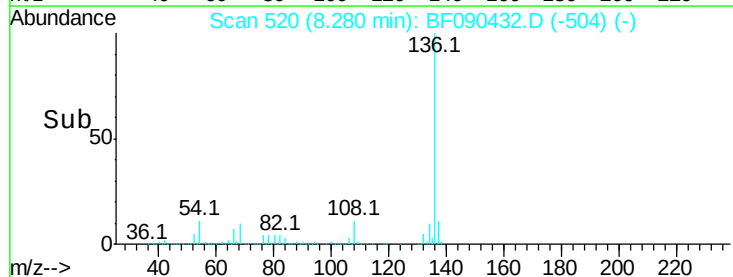
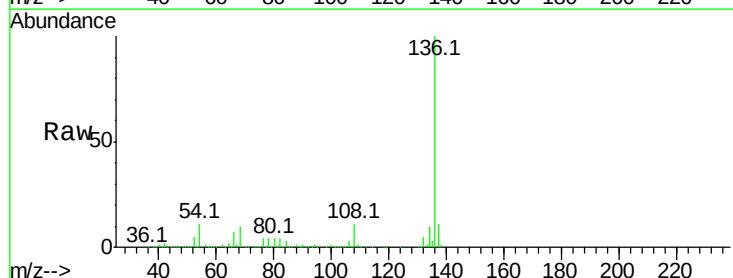
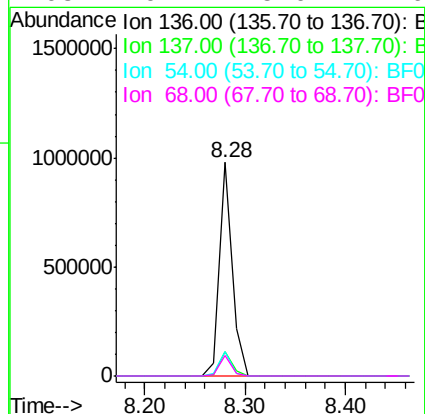
Ion Ratio Lower Upper

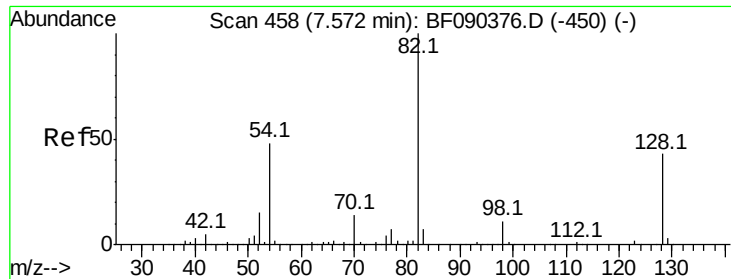
136 100

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

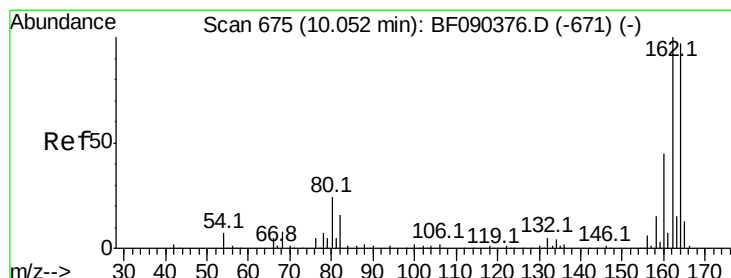
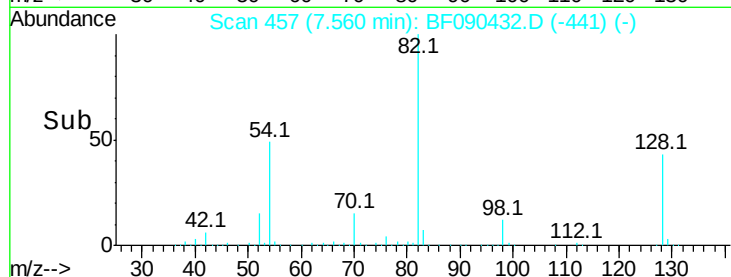
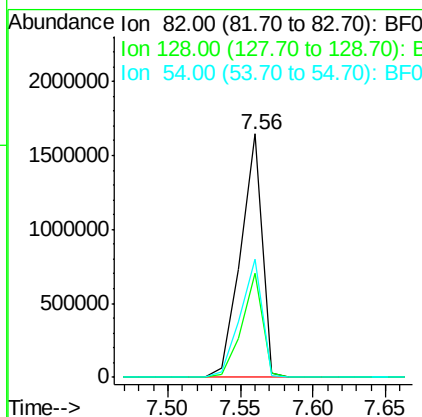
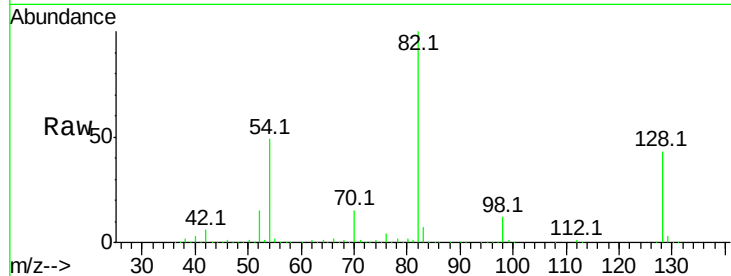
Instrument :
 BNA_F
 ClientSampleId :
 RER-SUPPLY-TOPSOIL

Tot Ion: 82 Resp: 1697818

Ion	Ratio	Lower	Upper
82	100		
128	43.0	40.0	60.0
54	48.5	42.6	64.0

Manual Integrations
 APPROVED

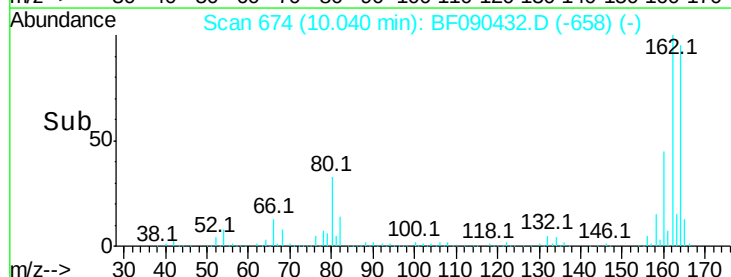
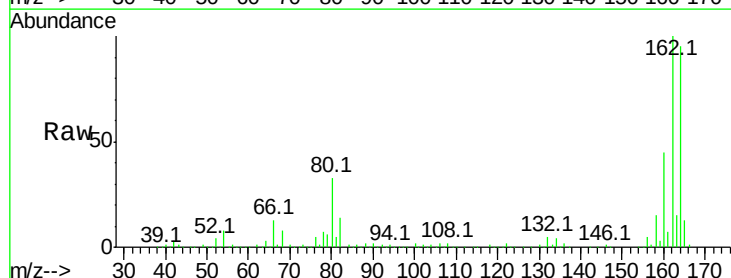
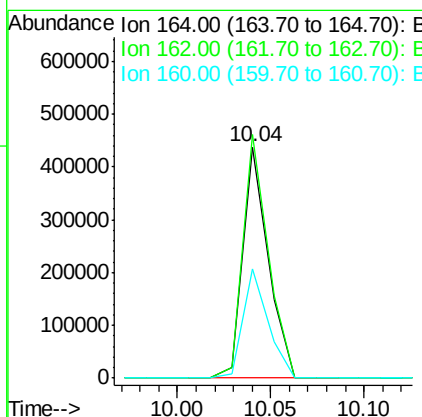
sohil
 10/7/2016 7:02:28 PM

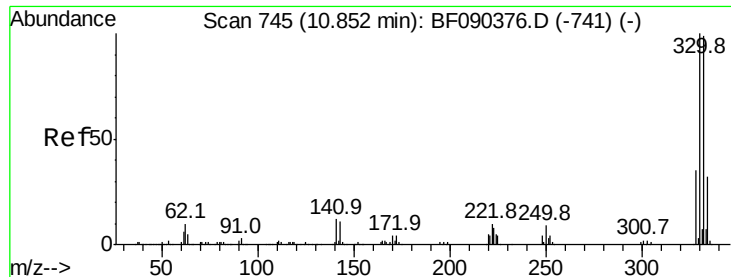


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.04 min Scan# 674
 Delta R.T. -0.01 min
 Lab File: BF090432.D
 Acq: 6 Oct 2016 21:42

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





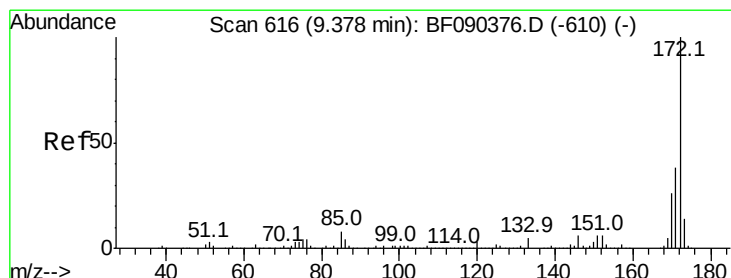
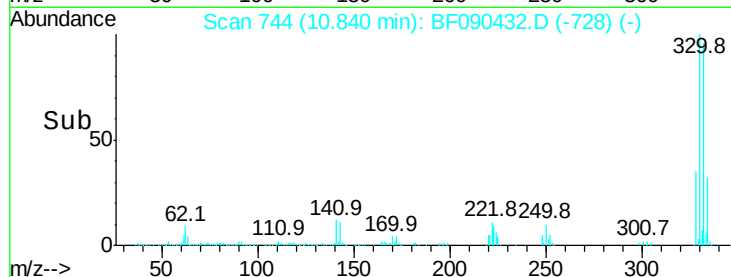
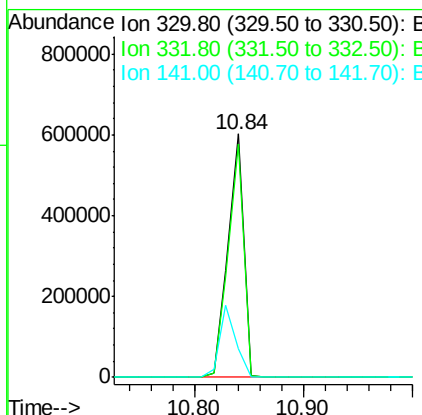
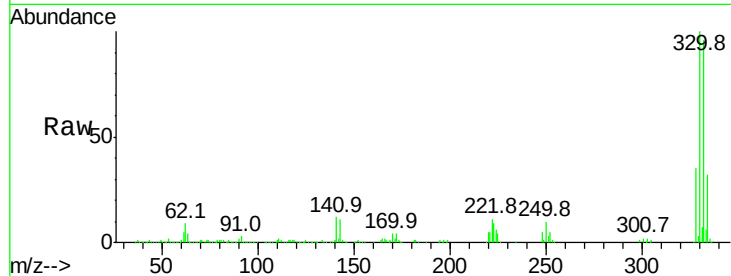
#41
 2,4,6-Tribromophenol
 Concen: 179.28 ng
 RT: 10.84 min Scan# 744
 Delta R.T. -0.01 min
 Lab File: BF090432.D
 Acq: 6 Oct 2016 21:42

Instrument :
 BNA_F
 ClientSampleId :
 RER-SUPPLY-TOPSOIL

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.3	75.4	113.0	
141	30.7	26.9	40.3	

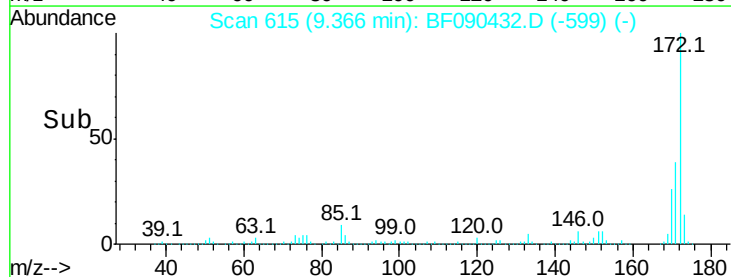
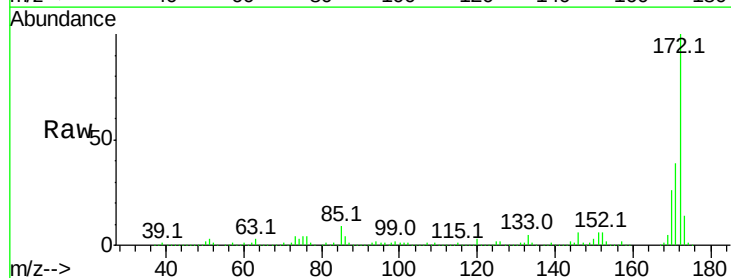
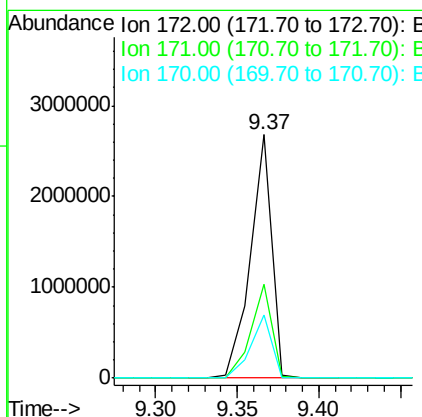
Manual Integrations
 APPROVED

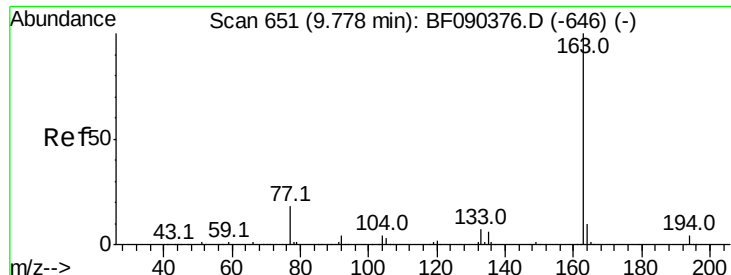
sohil
 10/7/2016 7:02:28 PM



#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	Ratio	Resp	Lower	Upper
172	100			
171	38.8	31.8	47.8	
170	26.1	21.7	32.5	





#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

Instrument :

BNA_F

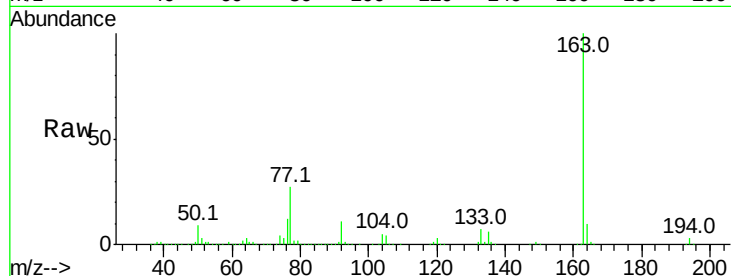
ClientSampleId :

RER-SUPPLY-TOPSOIL

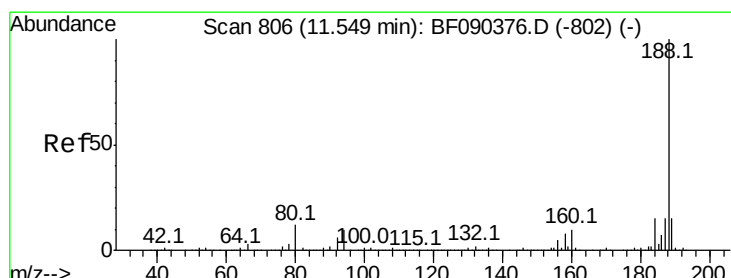
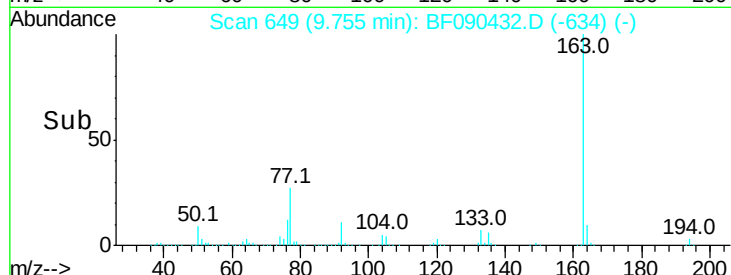
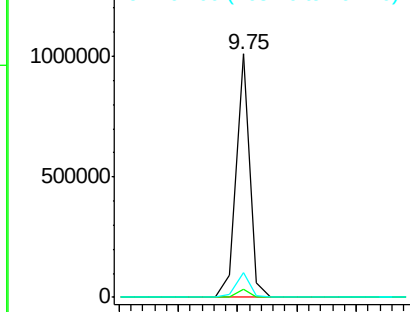
Tot Ion:	163	Resp:	800083
Ion Ratio	Lower	Upper	
163	100		
194	3.2	2.8	4.2
164	10.4	9.0	13.4

Manual Integrations
APPROVED

sohil
10/7/2016 7:02:28 PM



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

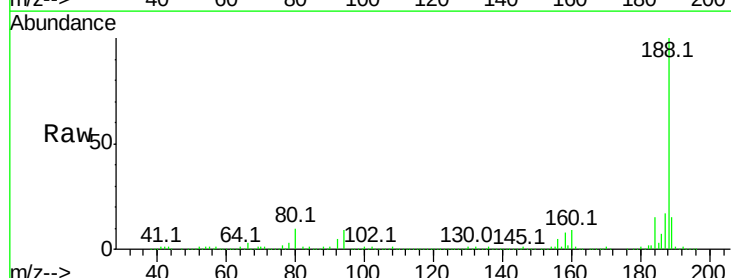
RT: 11.54 min Scan# 805

Delta R.T. -0.01 min

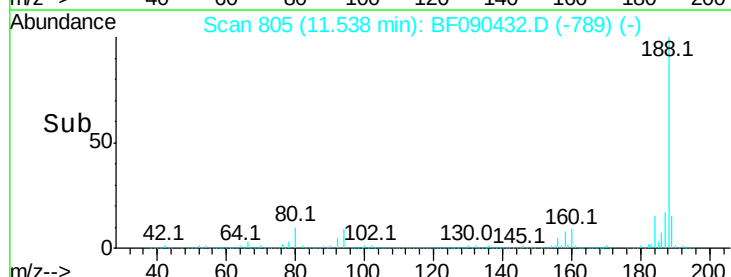
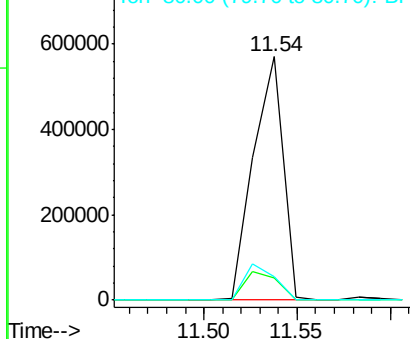
Lab File: BF090432.D

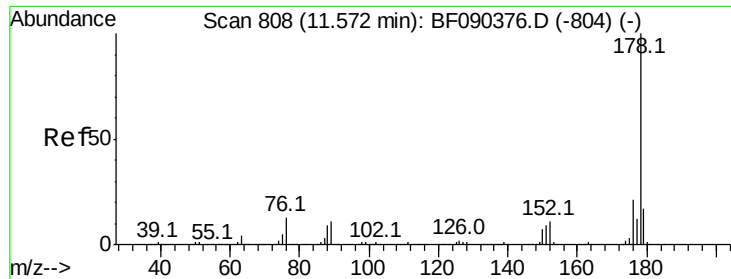
Acq: 6 Oct 2016 21:42

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





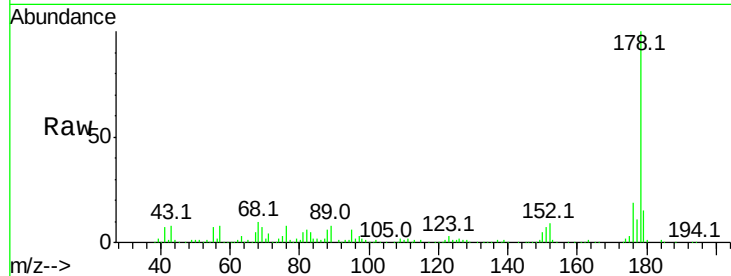
#70
Phenanthrene
Concen: 7.08 ng
RT: 11.56 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF090432.D
Acq: 6 Oct 2016 21:42

Instrument :
BNA_F
ClientSampleId :
RER-SUPPLY-TOPSOIL

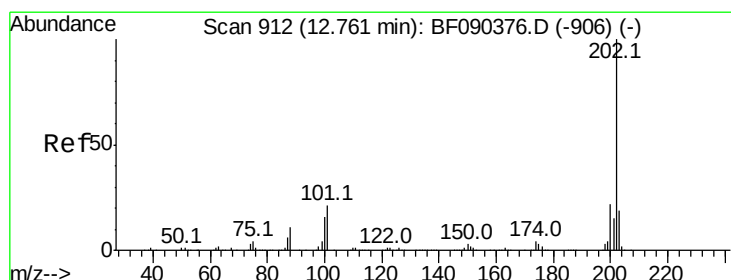
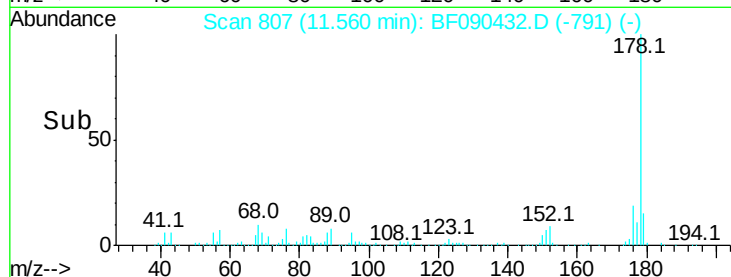
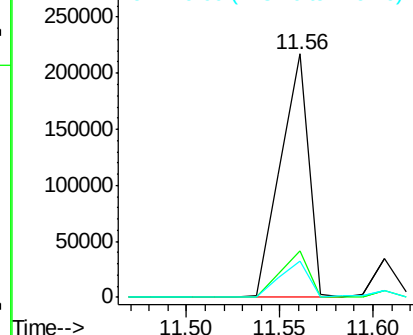
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	17.3	25.9
179	14.7	13.8	20.6

Manual Integrations
APPROVED

sohil
10/7/2016 7:02:28 PM

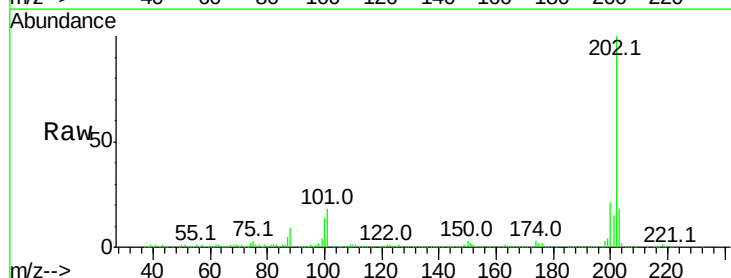


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

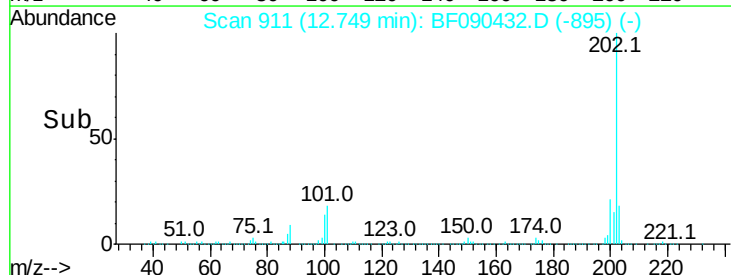
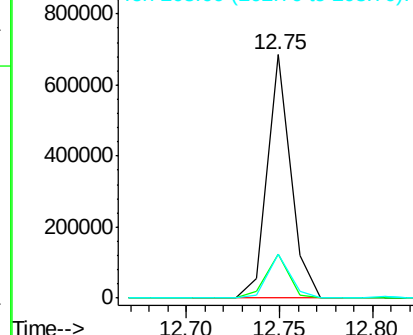


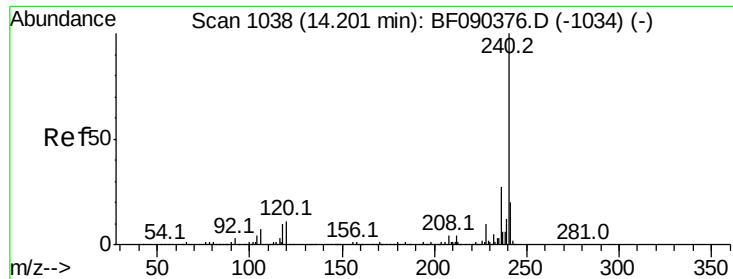
#74
Fluoranthene
Concen: 18.72 ng
RT: 12.75 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF090432.D
Acq: 6 Oct 2016 21:42

Tgt Ion	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

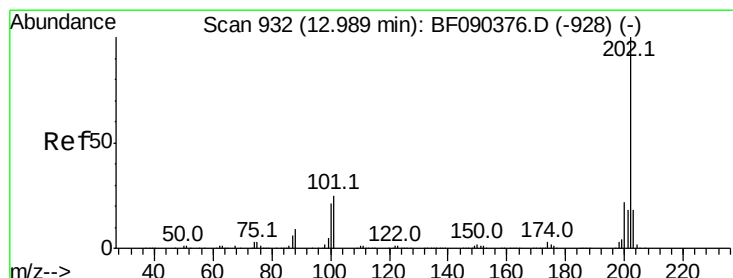
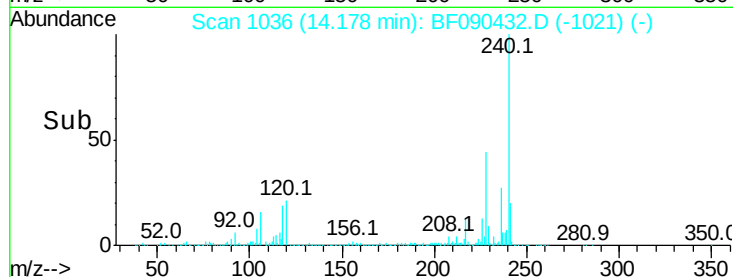
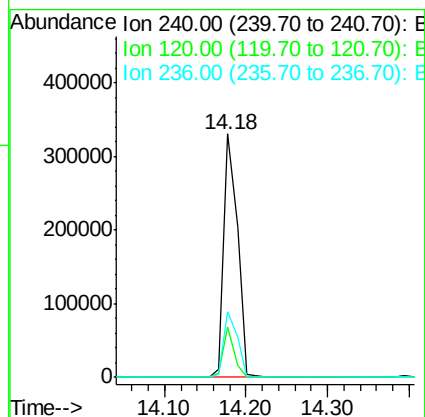
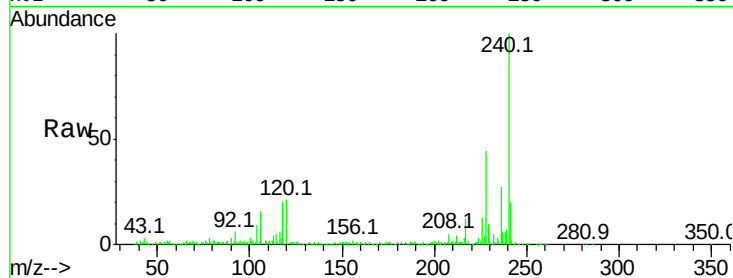
ClientSampleId :

RER-SUPPLY-TOPSOIL

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

Manual Integrations
APPROVED

sohil
10/7/2016 7:02:28 PM



#77

Pyrene

Concen: 18.77 ng

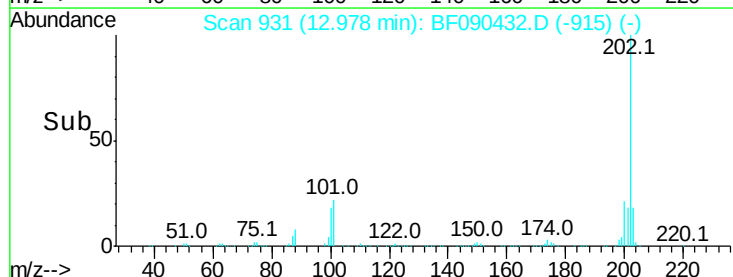
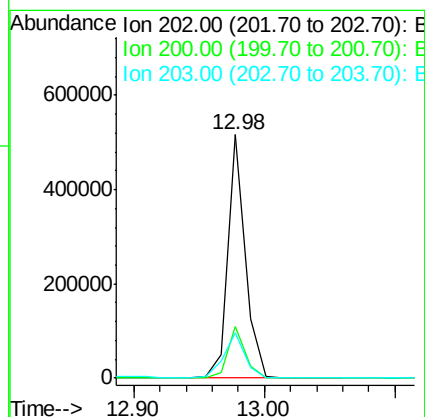
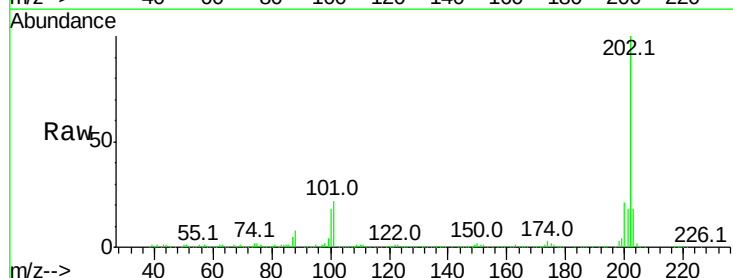
RT: 12.98 min Scan# 931

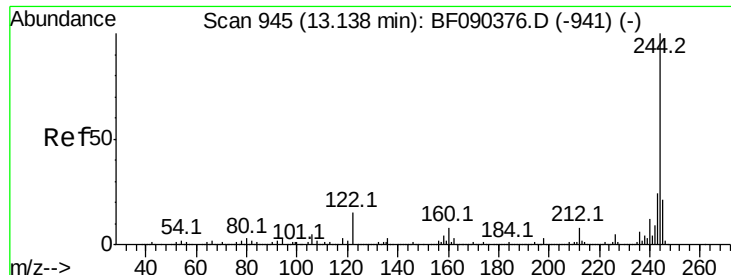
Delta R.T. -0.01 min

Lab File: BF090432.D

Acq: 6 Oct 2016 21:42

Tgt Ion	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

Tot Ion:244 Resp: 1495525

Ion Ratio Lower Upper

244 100

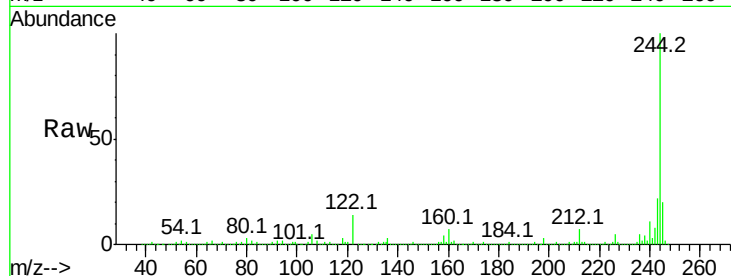
212 7.4 6.8 10.2

122 14.0 13.3 19.9

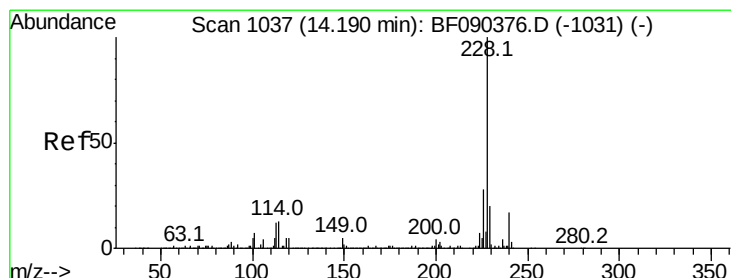
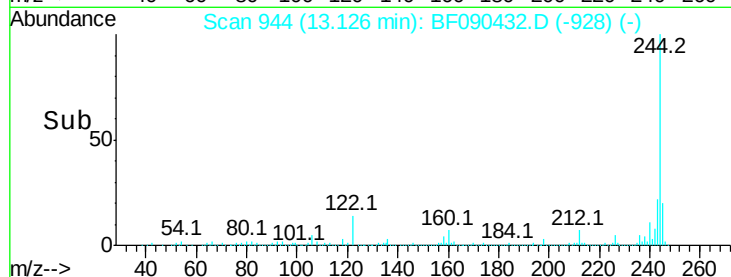
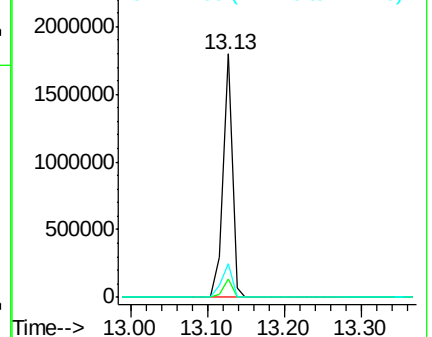
Manual Integrations
APPROVED

sohil

10/7/2016 7:02:28 PM



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: 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

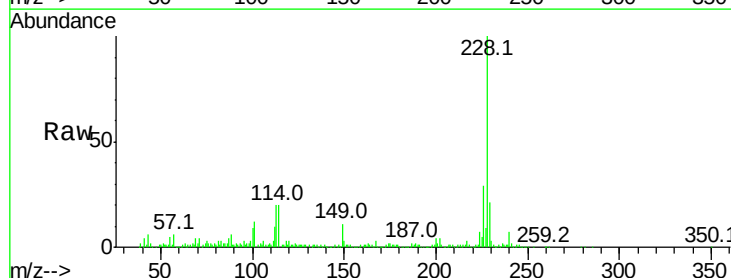
Tgt Ion:228 Resp: 262821

Ion Ratio Lower Upper

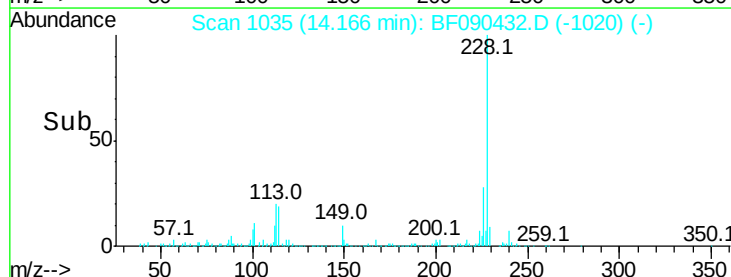
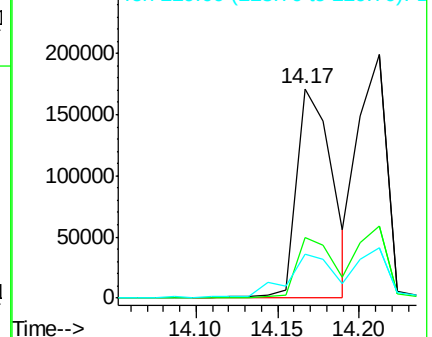
228 100

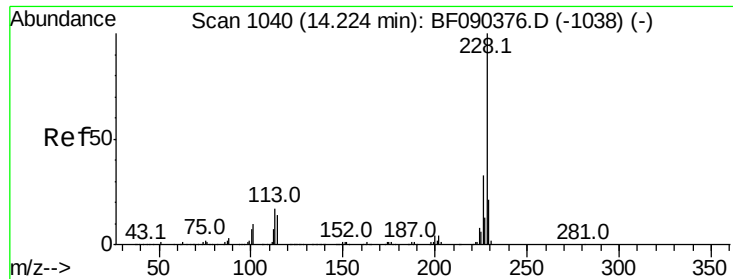
226 28.6 23.6 35.4

229 20.9 16.6 25.0



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





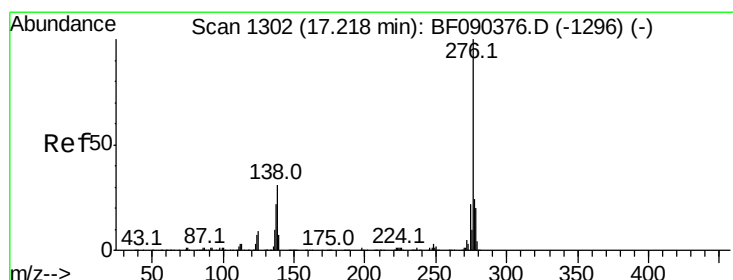
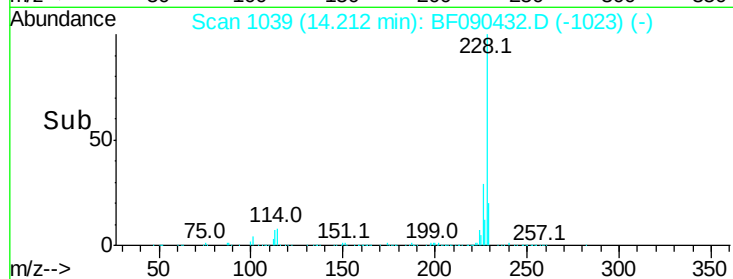
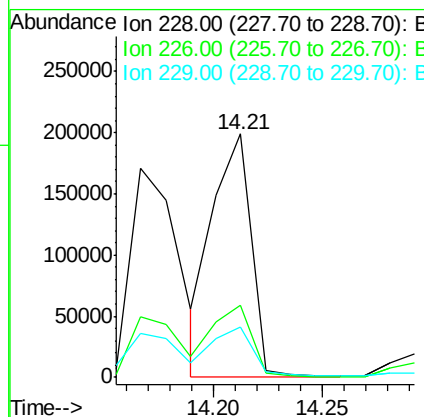
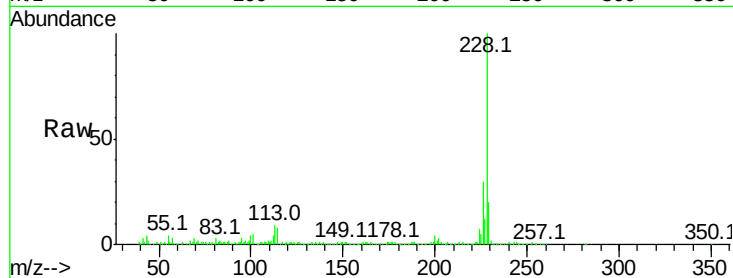
#82
 Chrysene
 Concen: 12.28 ng
 RT: 14.21 min Scan# 1039
 Delta R.T. -0.01 min
 Lab File: BF090432.D
 Acq: 6 Oct 2016 21:42

Instrument :
 BNA_F
 ClientSampleId :
 RER-SUPPLY-TOPSOIL

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

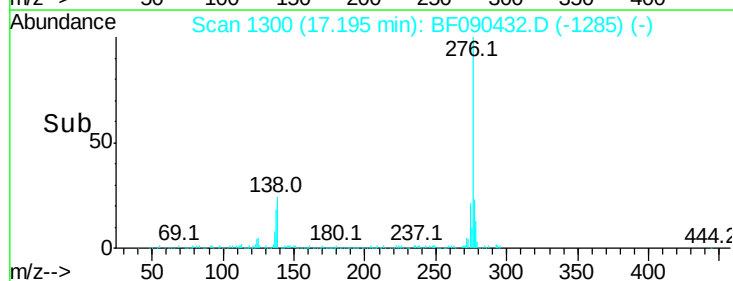
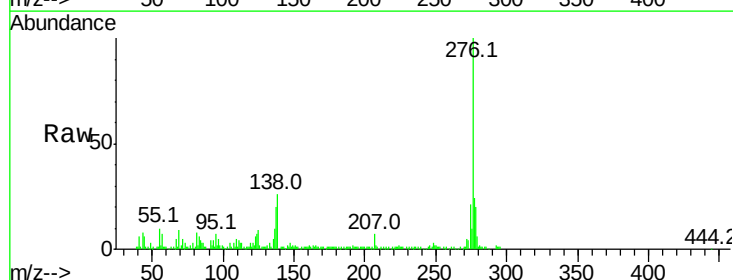
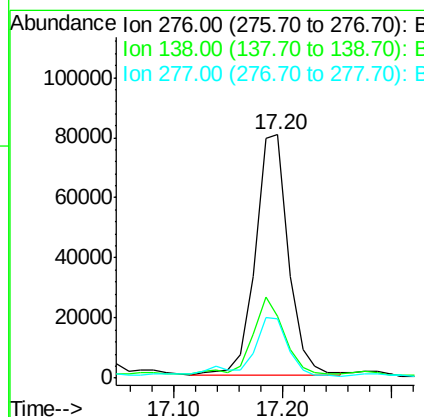
Manual Integrations
 APPROVED

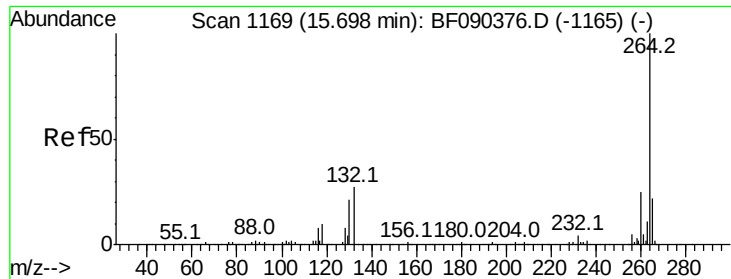
sohil
 10/7/2016 7:02:28 PM



#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





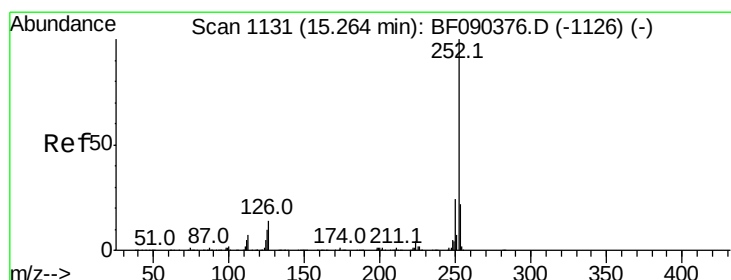
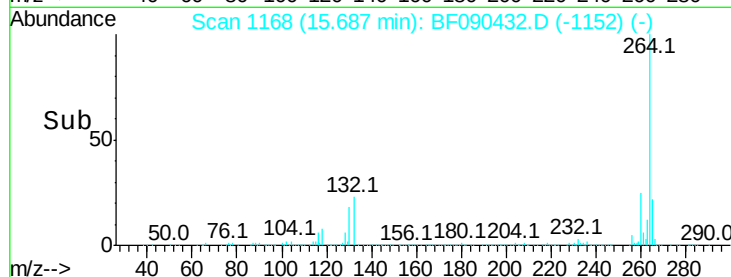
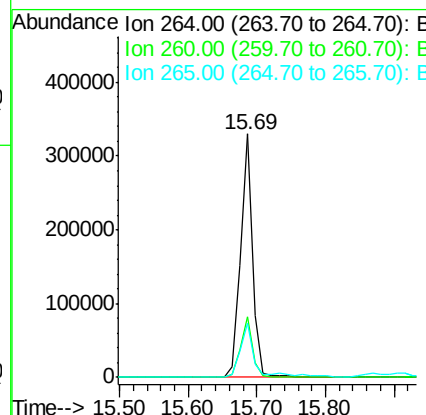
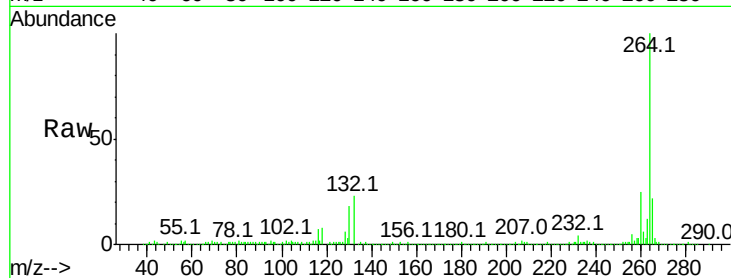
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.69 min Scan# 1168
Delta R.T. -0.01 min
Lab File: BF090432.D
Acq: 6 Oct 2016 21:42

Instrument :
BNA_F
ClientSampleId :
RER-SUPPLY-TOPSOIL

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

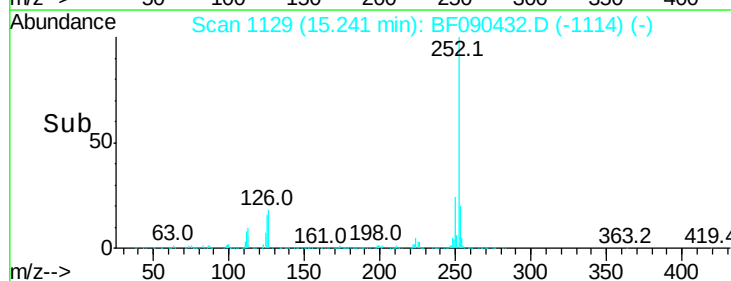
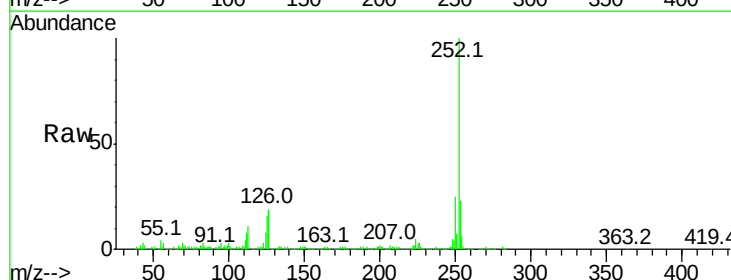
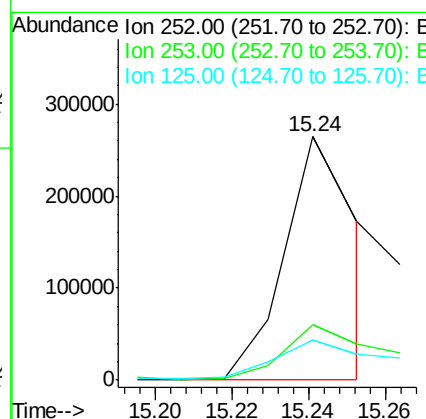
Manual Integrations
APPROVED

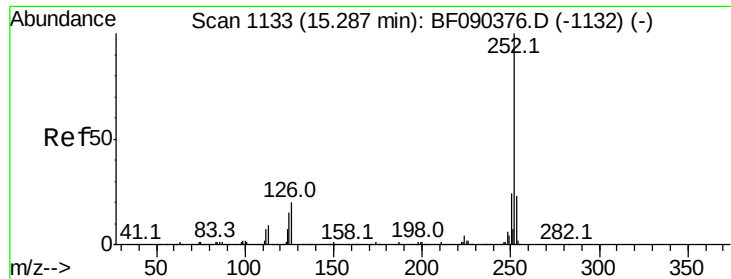
sohil
10/7/2016 7:02:28 PM



#87
Benzo(b)fluoranthene
Concen: 13.20 ng m
RT: 15.24 min Scan# 1129
Delta R.T. -0.02 min
Lab File: BF090432.D
Acq: 6 Oct 2016 21:42

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





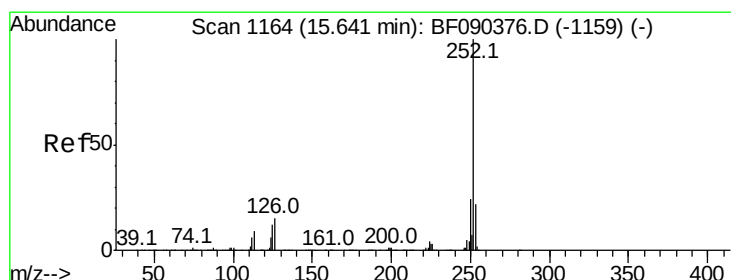
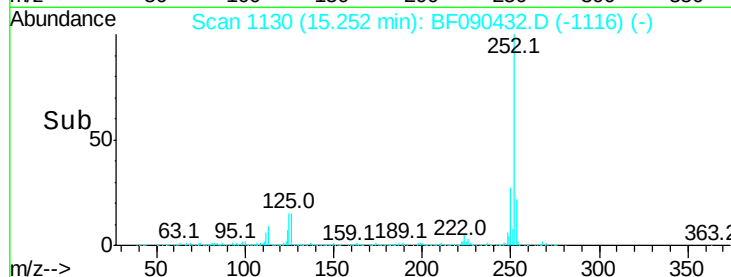
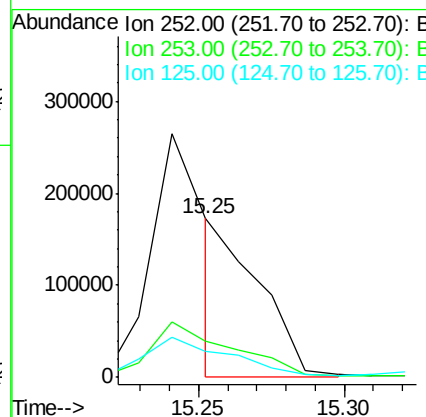
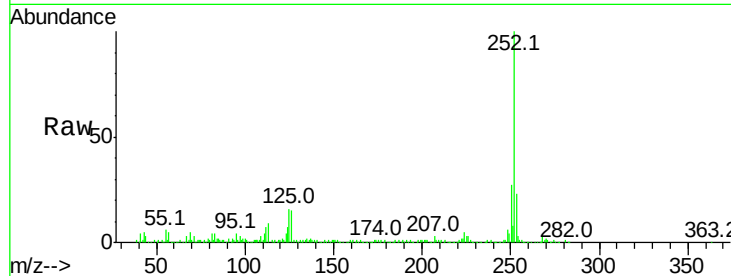
#88
Benzo(k)fluoranthene
Concen: 6.32 ng m
RT: 15.25 min Scan# 1130
Delta R.T. -0.03 min
Lab File: BF090432.D
Acq: 6 Oct 2016 21:42

Instrument :
BNA_F
ClientSampleId :
RER-SUPPLY-TOPSOIL

Tot Ion	Ratio	Resp	Lower	Upper
252	100	155660		
253	22.8	18.6	27.8	
125	16.4	11.7	17.5	

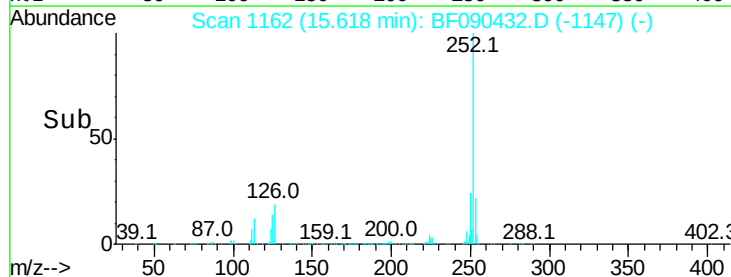
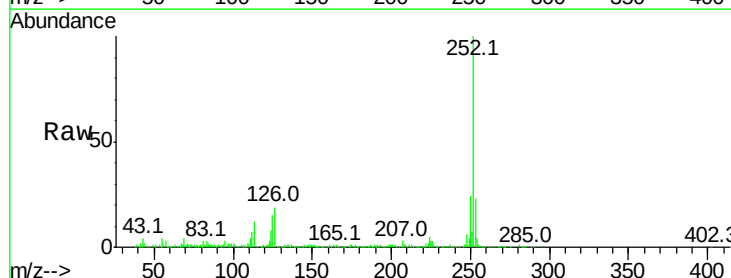
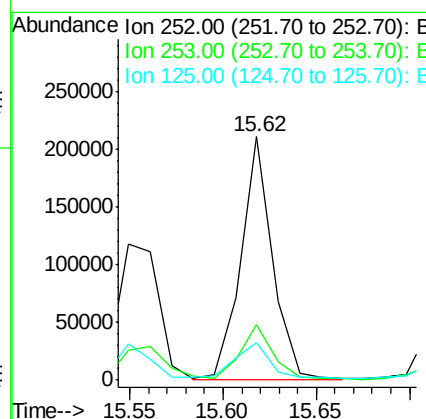
Manual Integrations
APPROVED

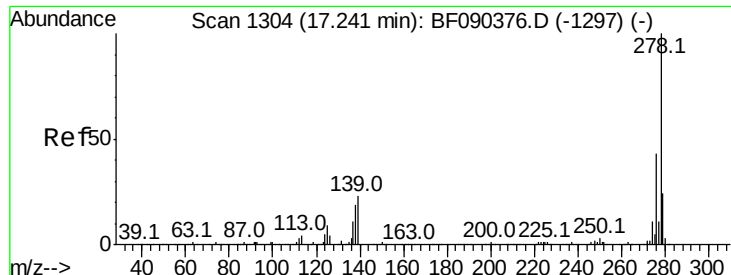
sohil
10/7/2016 7:02:28 PM



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





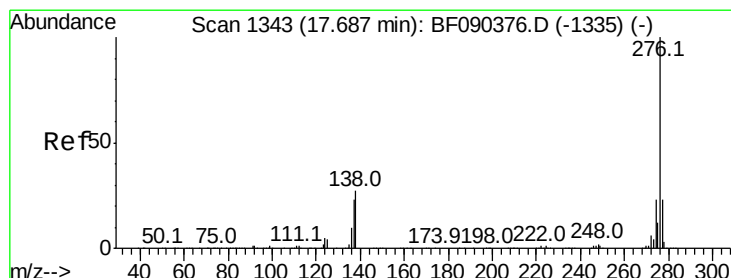
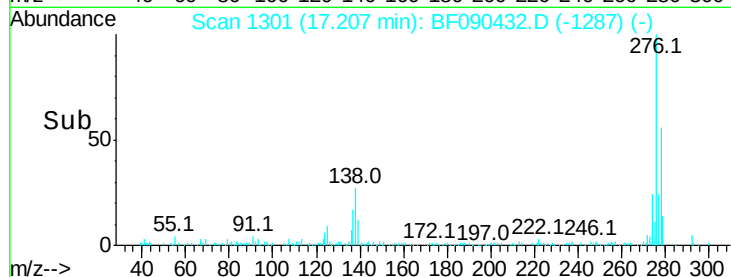
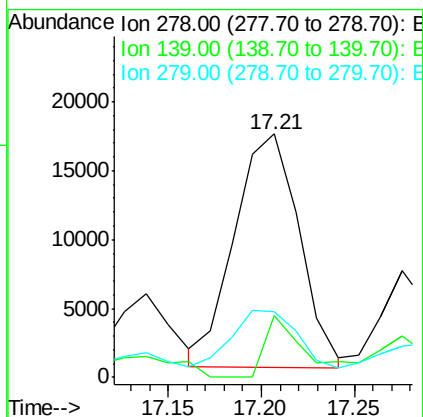
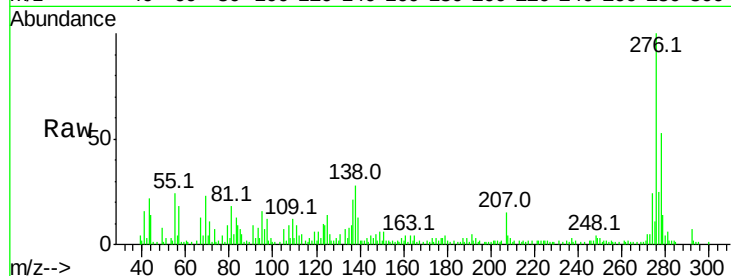
#90
Dibenzo(a,h)anthracene
Concen: 2.13 ng
RT: 17.21 min Scan# 1301
Delta R.T. -0.03 min
Lab File: BF090432.D
Acq: 6 Oct 2016 21:42

Instrument :
BNA_F
ClientSampleId :
RER-SUPPLY-TOPSOIL

Tot Ion	Ratio	Lower	Upper
278	100		
139	25.5	12.8	19.2#
279	27.2	19.6	29.4

Manual Integrations
APPROVED

sohil
10/7/2016 7:02:28 PM



#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	Ratio	Lower	Upper
276	100		
277	23.9	19.4	29.0
138	28.1	20.8	31.2

