

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112315\
 Data File : BF083218.D
 Acq On : 23 Nov 2015 22:07
 Operator : UM/IZ
 Sample : G4512-03
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FILL-DIRT-3

Manual Integrations
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 11/24/2015 1:20:16 PM

Quant Time: Nov 24 06:27:42 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF112115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Nov 22 09:22:46 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.64	152	210508	20.00	ng	-0.02
21) Naphthalene-d8	7.93	136	749305	20.00	ng	-0.02
38) Acenaphthene-d10	9.68	164	338619	20.00	ng	-0.02
63) Phenanthrene-d10	11.15	188	545099	20.00	ng	-0.02
75) Chrysene-d12	13.77	240	409669	20.00	ng	-0.03
86) Perylene-d12	15.14	264	340259	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	1382457	99.29	ng	-0.03
7) Phenol-d6	6.31	99	1910323	106.04	ng	-0.03
23) Nitrobenzene-d5	7.21	82	1187898	72.44	ng	-0.02
41) 2,4,6-Tribromophenol	10.47	330	327746	94.61	ng	-0.02
44) 2-Fluorobiphenyl	9.00	172	1656286	68.21	ng	-0.02
78) Terphenyl-d14	12.73	244	1194458	68.66	ng	-0.03
Target Compounds						Qvalue
31) Naphthalene	7.95	128	88700	2.19	ng	98
49) Dimethylphthalate	9.40	163	320454	12.29	ng	99
70) Phenanthrene	11.18	178	209639	6.68	ng	96
74) Fluoranthene	12.35	202	328175	10.21	ng	98
77) Pyrene	12.58	202	308812	11.03	ng	97
80) Benzo(a)anthracene	13.76	228	173884	6.86	ng	95
82) Chrysene	13.79	228	144137	6.13	ng	95
85) Indeno(1,2,3-cd)pyrene	16.40	276	76365	3.57	ng	98
87) Benzo(b)fluoranthene	14.77	252	163189m	7.02	ng	
88) Benzo(k)fluoranthene	14.78	252	78327m	4.52	ng	
89) Benzo(a)pyrene	15.09	252	124809	6.50	ng	# 94
91) Benzo(a,h,i)perylene	16.78	276	74400	4.37	ng	# 95

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

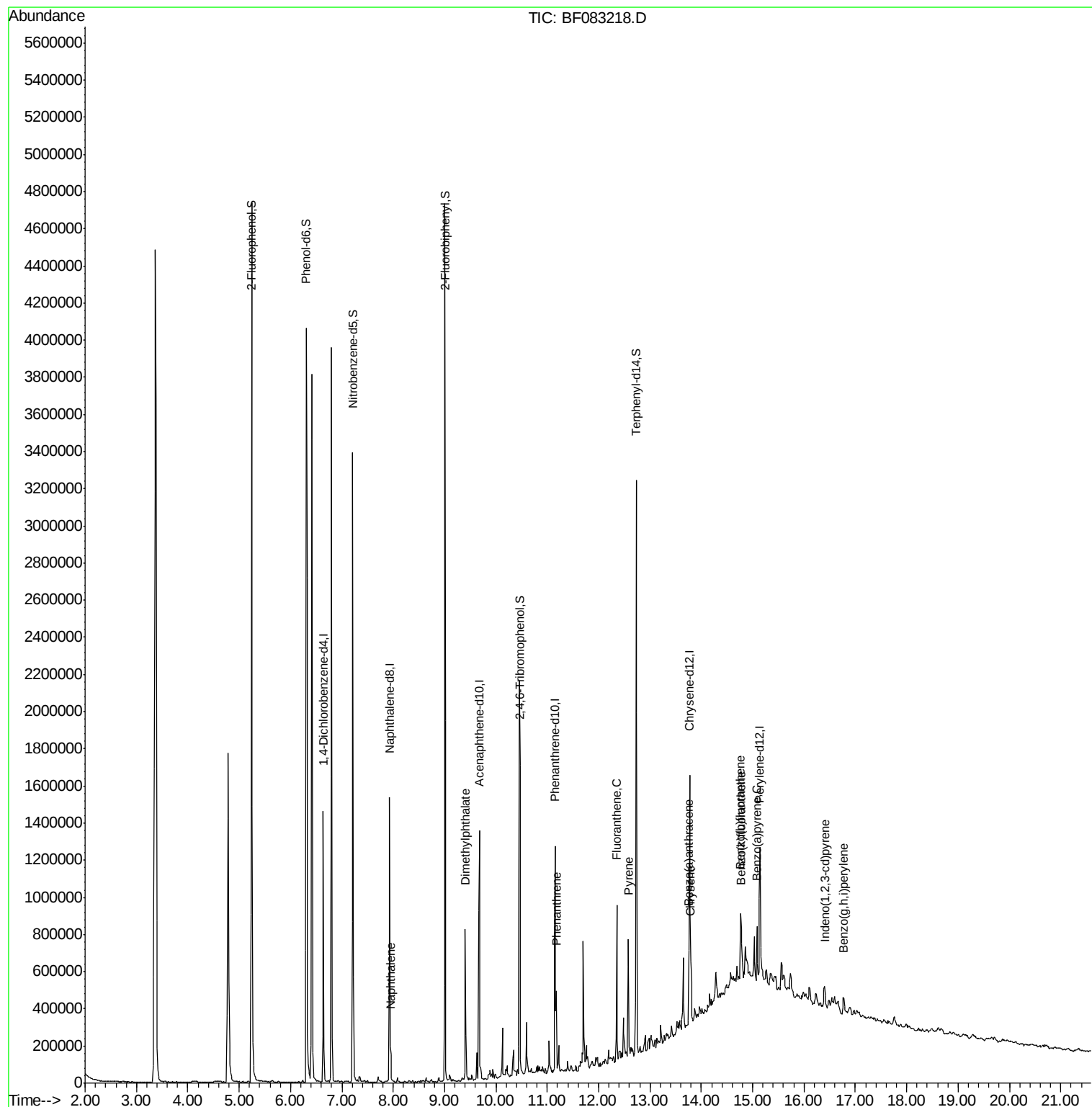
Data Path : Z:\HPCHEM1\BNA F\DATA\BF112315\
Data File : BF083218.D
Acq On : 23 Nov 2015 22:07
Operator : UM/IZ
Sample : G4512-03
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Quant Time: Nov 24 06:27:42 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF112115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Nov 22 09:22:46 2015
Response via : Initial Calibration





#1

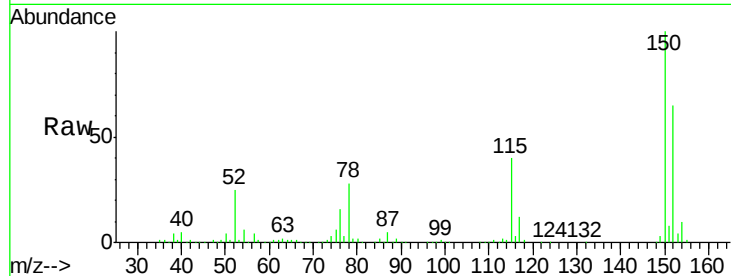
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.64 min Scan# 407
Delta R.T. -0.02 min
Lab File: BF083218.D
Acq: 23 Nov 2015 22:07

Instrument :
BNA_F
ClientSampleId :
FILL-DIRT-3

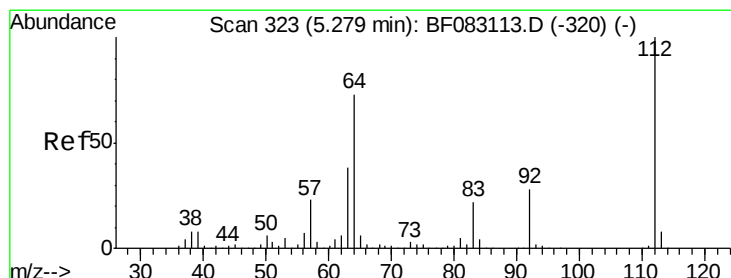
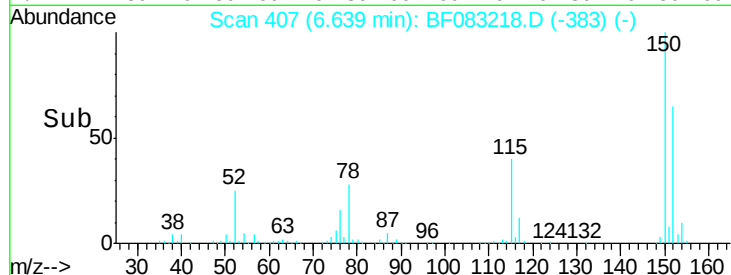
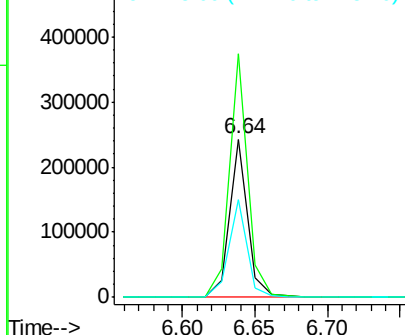
Tot Ion	Ratio	Lower	Upper
152	100		
150	153.7	125.8	188.8
115	61.9	46.9	70.3

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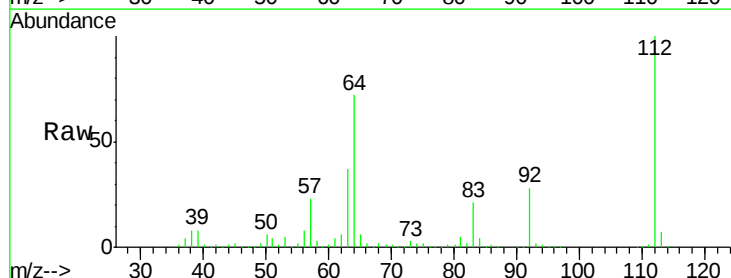
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



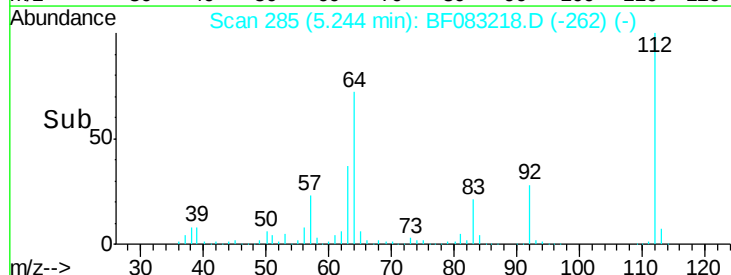
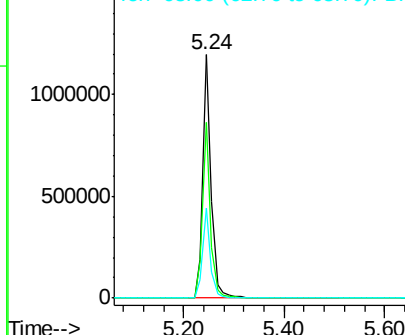
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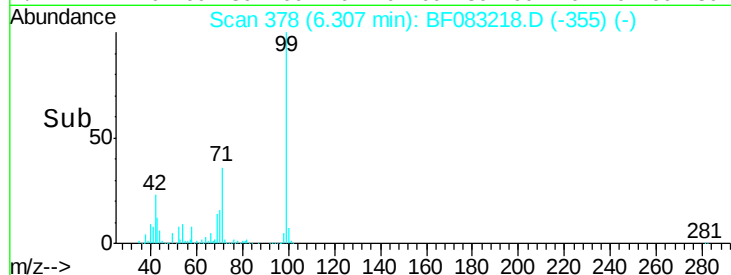
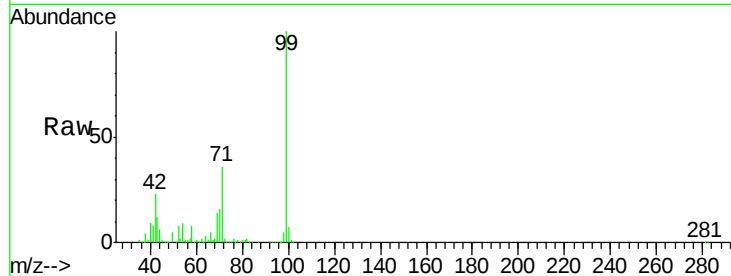
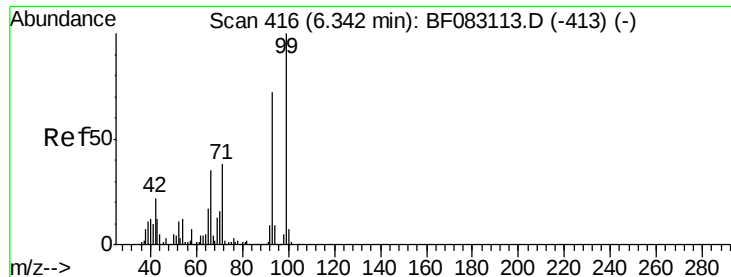
2-Fluorophenol
Concen: 99.29 ng
RT: 5.24 min Scan# 285
Delta R.T. -0.03 min
Lab File: BF083218.D
Acq: 23 Nov 2015 22:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	72.4	58.4	87.6
63	37.1	30.0	45.0



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: 106.04 ng

RT: 6.31 min Scan# 378

Delta R.T. -0.03 min

Lab File: BF083218.D

Acq: 23 Nov 2015 22:07

Tot Ion: 99 Resp: 1910323

Ion Ratio Lower Upper

99 100

42 23.0 17.7 26.5

71 35.6 30.2 45.4

Instrument :

BNA_F

ClientSampleId :

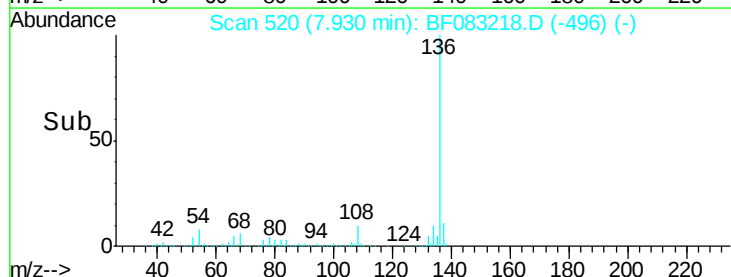
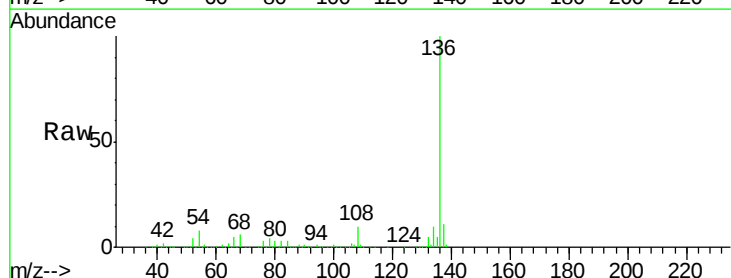
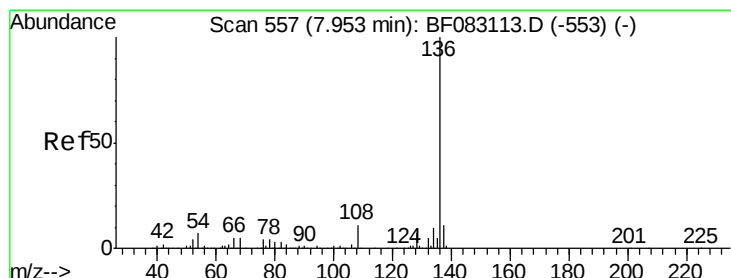
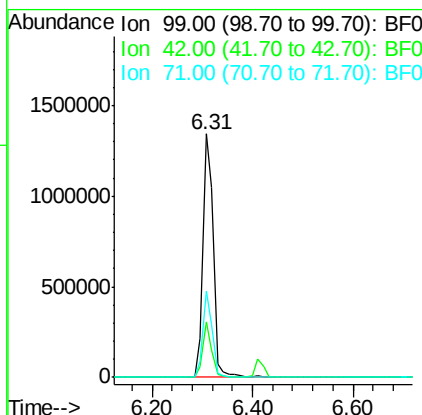
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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.93 min Scan# 520

Delta R.T. -0.02 min

Lab File: BF083218.D

Acq: 23 Nov 2015 22:07

Tgt Ion: 136 Resp: 749305

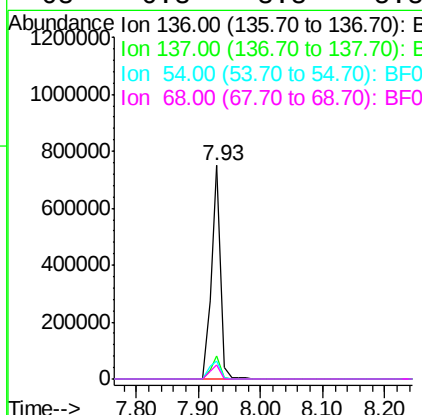
Ion Ratio Lower Upper

136 100

137 10.7 8.7 13.1

54 8.4 5.8 8.6

68 6.3 3.8 5.8#





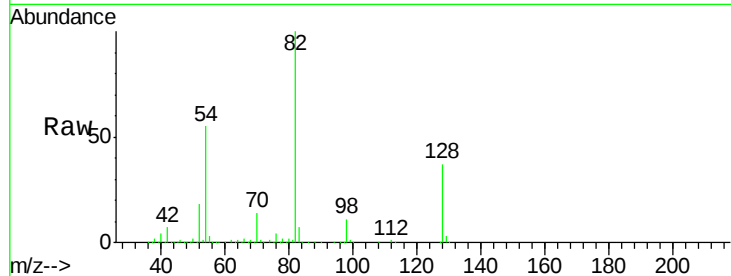
#23
Nitrobenzene-d5
Concen: 72.44 ng
RT: 7.21 min Scan# 457
Delta R.T. -0.02 min
Lab File: BF083218.D
Acq: 23 Nov 2015 22:07

Instrument :
BNA_F
ClientSampleId :
FILL-DIRT-3

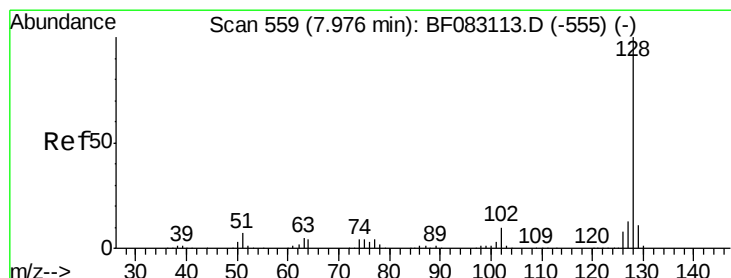
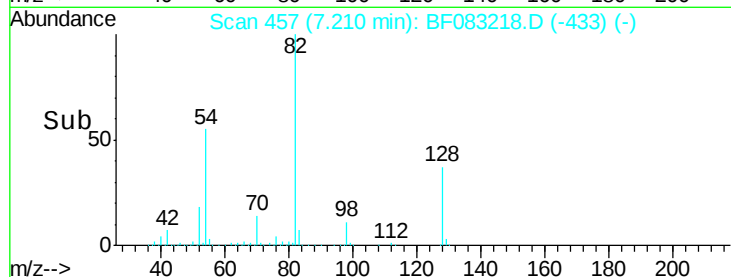
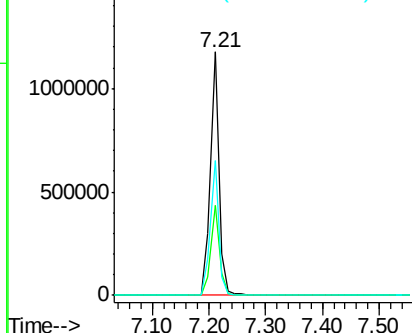
Tot Ion: 82 Resp: 1187898
Ion Ratio Lower Upper
82 100
128 37.0 28.5 42.7
54 55.4 44.6 67.0

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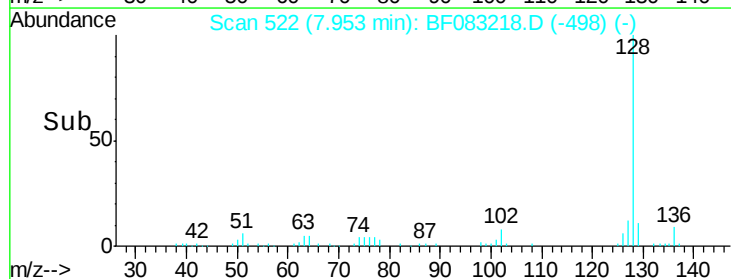
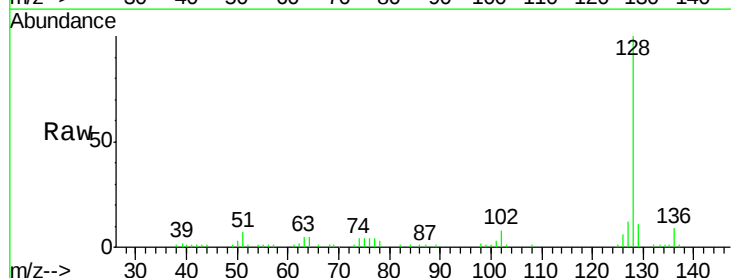
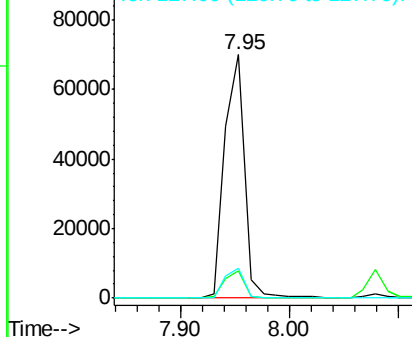
Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

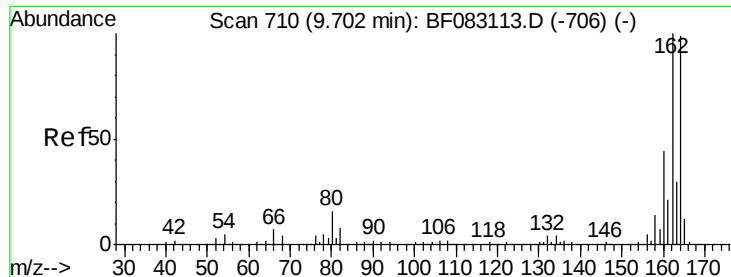


#31
Naphthalene
Concen: 2.19 ng
RT: 7.95 min Scan# 522
Delta R.T. -0.02 min
Lab File: BF083218.D
Acq: 23 Nov 2015 22:07

Tgt Ion: 128 Resp: 88700
Ion Ratio Lower Upper
128 100
129 11.4 9.0 13.4
127 12.2 10.6 15.8

Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.68 min Scan# 673

Delta R.T. -0.02 min

Lab File: BF083218.D

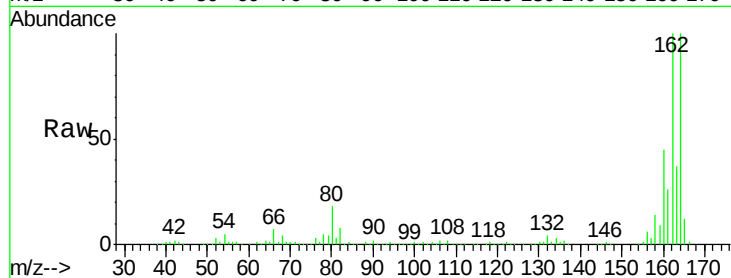
Acq: 23 Nov 2015 22:07

Instrument :

BNA_F

ClientSampleId :

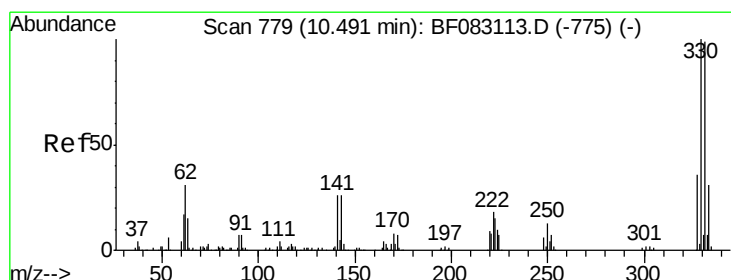
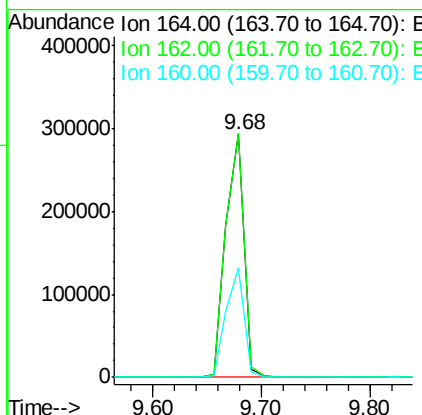
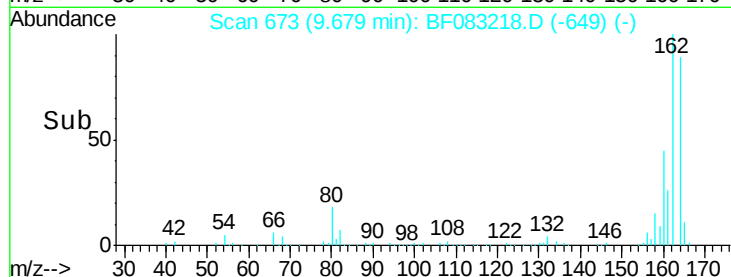
FILL-DIRT-3



Tot Ion	164	Resp	338619
Ion Ratio	Lower	Upper	
164	100		
162	100.1	81.2	121.8
160	44.8	35.6	53.4

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#41

2,4,6-Tribromophenol

Concen: 94.61 ng

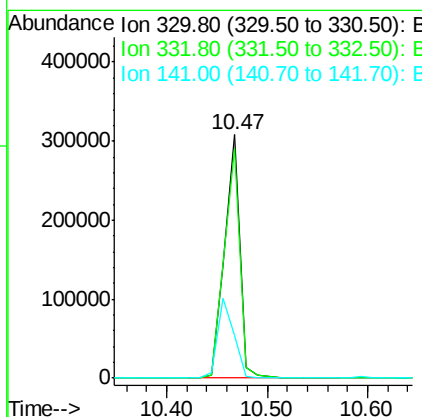
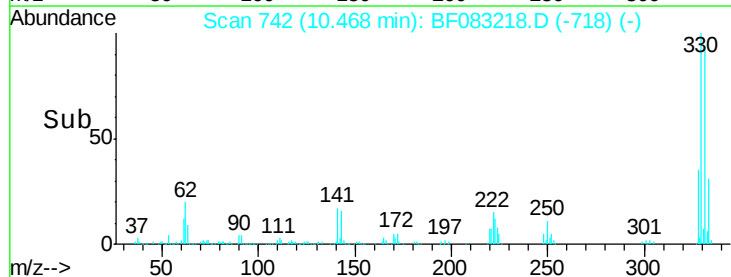
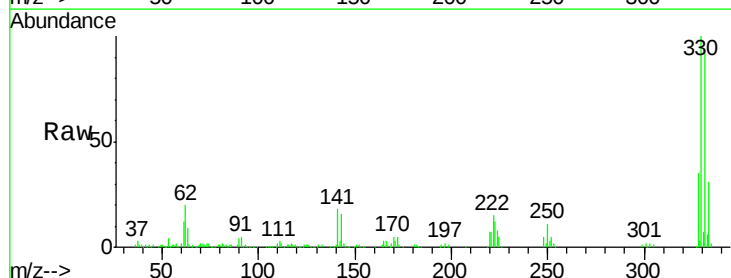
RT: 10.47 min Scan# 742

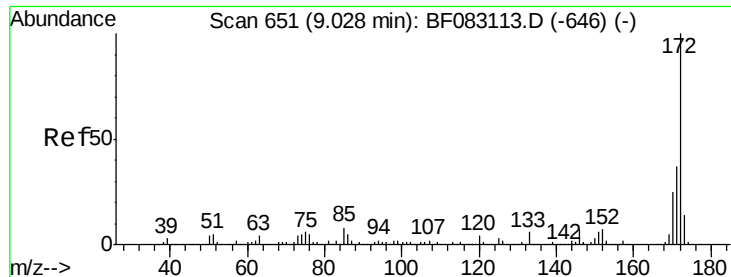
Delta R.T. -0.02 min

Lab File: BF083218.D

Acq: 23 Nov 2015 22:07

Tgt Ion	330	Resp	327746
Ion Ratio	Lower	Upper	
330	100		
332	96.3	77.7	116.5
141	35.6	29.7	44.5





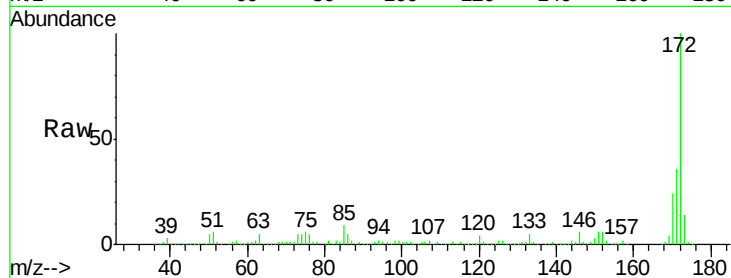
#44
2-Fluorobiphenyl
Concen: 68.21 ng
RT: 9.00 min Scan# 614
Delta R.T. -0.02 min
Lab File: BF083218.D
Acq: 23 Nov 2015 22:07

Instrument :
BNA_F
ClientSampleId :
FILL-DIRT-3

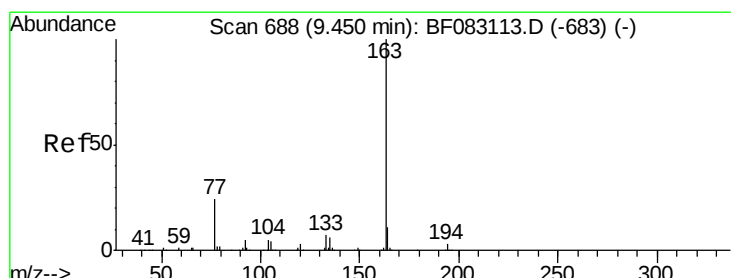
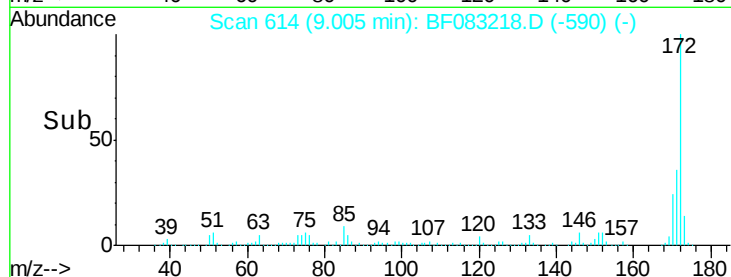
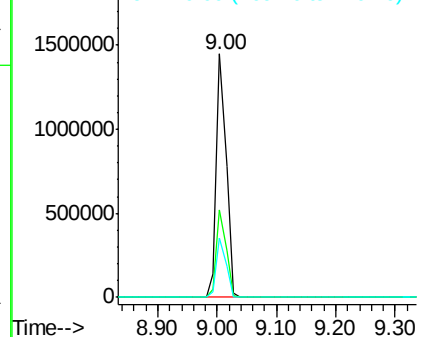
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.5	44.3
170	24.2	19.9	29.9

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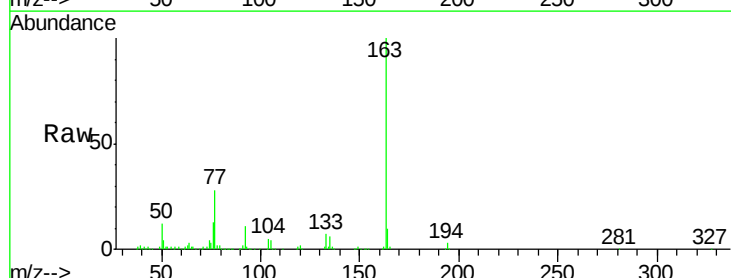


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

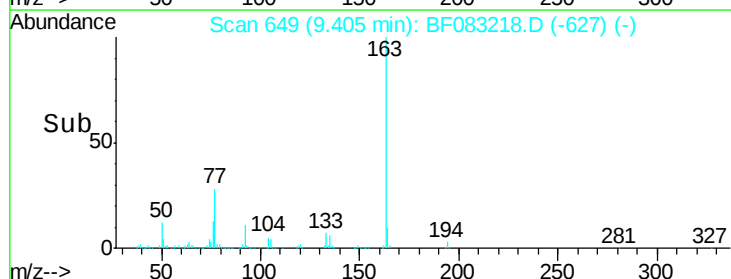
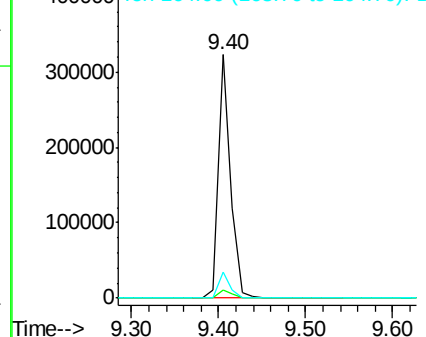


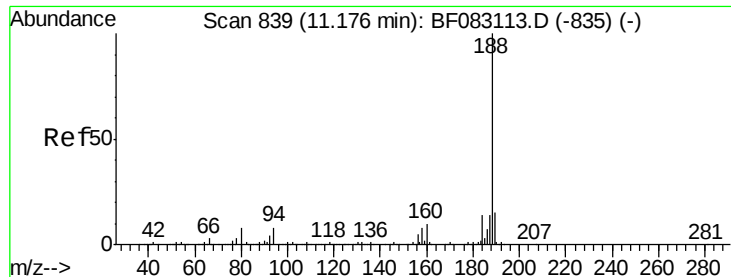
#49
Dimethylphthalate
Concen: 12.29 ng
RT: 9.40 min Scan# 649
Delta R.T. -0.05 min
Lab File: BF083218.D
Acq: 23 Nov 2015 22:07

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.6	4.0
164	10.4	8.6	12.8



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: 11.15 min Scan# 802

Delta R.T. -0.02 min

Lab File: BF083218.D

Acq: 23 Nov 2015 22:07

Instrument :

BNA_F

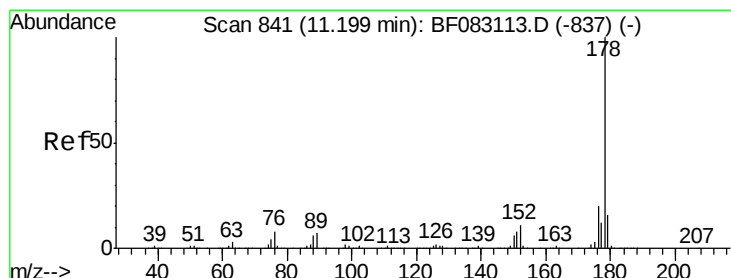
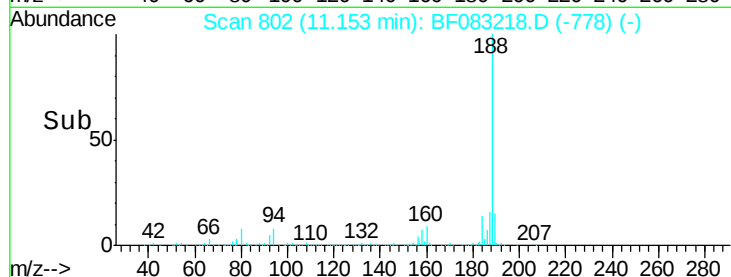
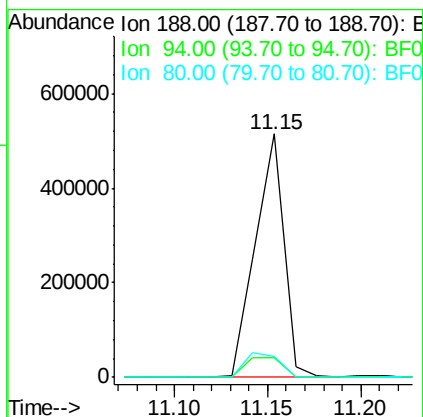
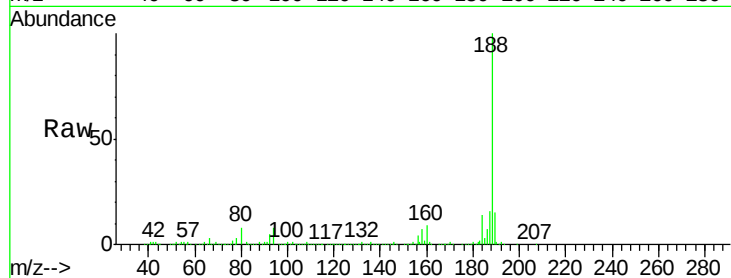
ClientSampleId :

FILL-DIRT-3

Tot Ion:	188	Resp:	545099
Ion Ratio	Lower	Upper	
188	100		
94	7.9	6.0	9.0
80	8.4	6.7	10.1

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#70

Phenanthrene

Concen: 6.68 ng

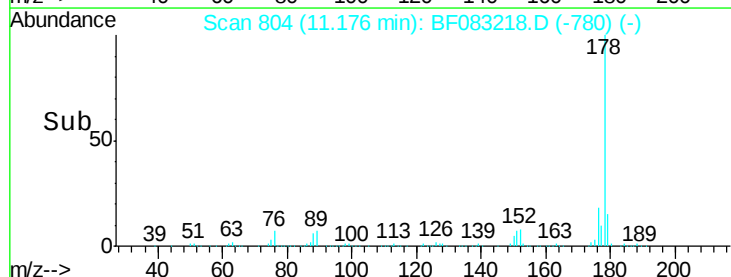
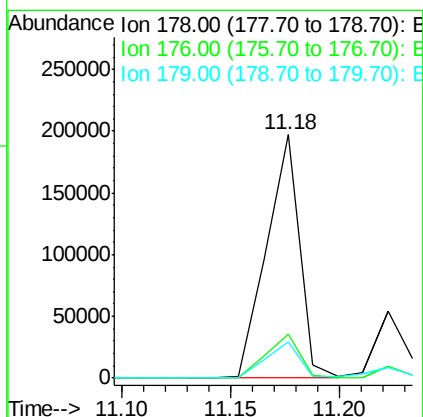
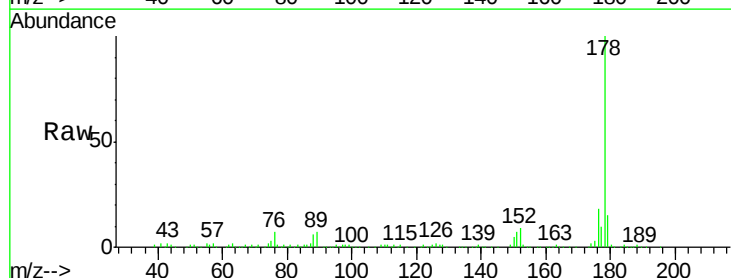
RT: 11.18 min Scan# 804

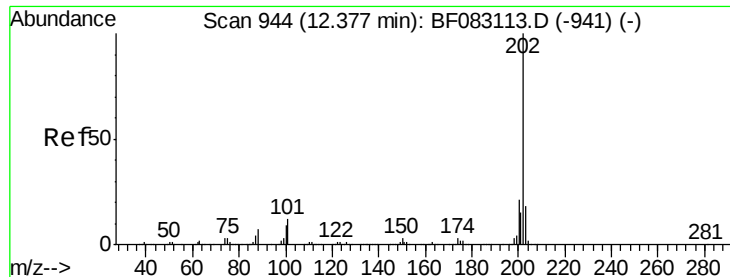
Delta R.T. -0.02 min

Lab File: BF083218.D

Acq: 23 Nov 2015 22:07

Tgt Ion:	178	Resp:	209639
Ion Ratio	Lower	Upper	
178	100		
176	18.0	16.2	24.2
179	14.8	12.8	19.2





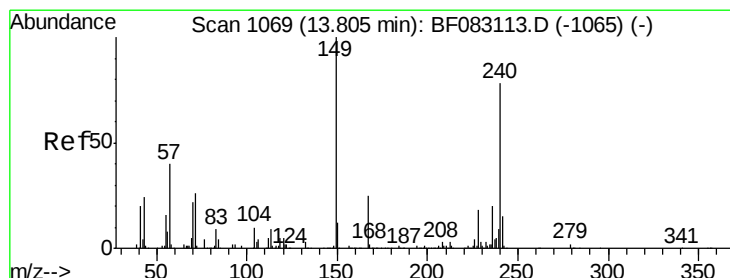
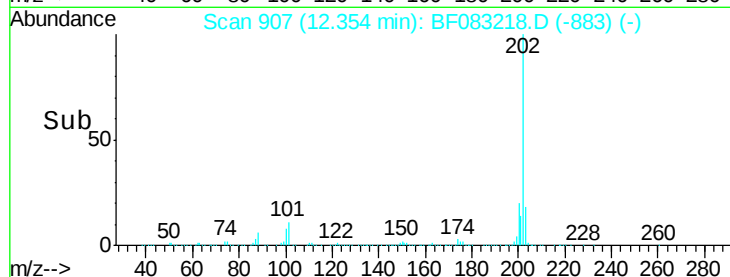
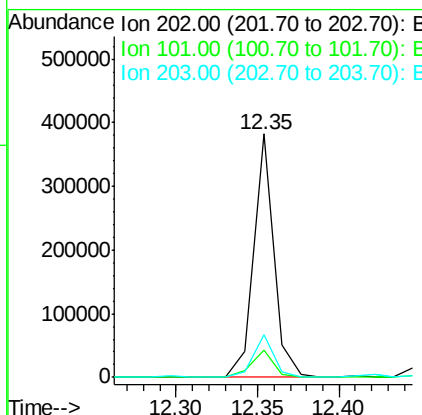
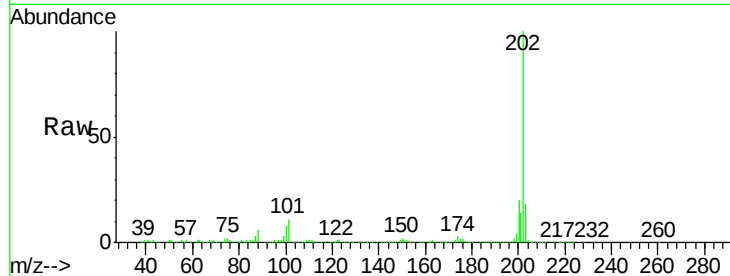
#74
Fluoranthene
Concen: 10.21 ng
RT: 12.35 min Scan# 907
Delta R.T. -0.02 min
Lab File: BF083218.D
Acq: 23 Nov 2015 22:07

Instrument :
BNA_F
ClientSampleId :
FILL-DIRT-3

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.1	0.0	32.3
203	17.7	0.0	38.4

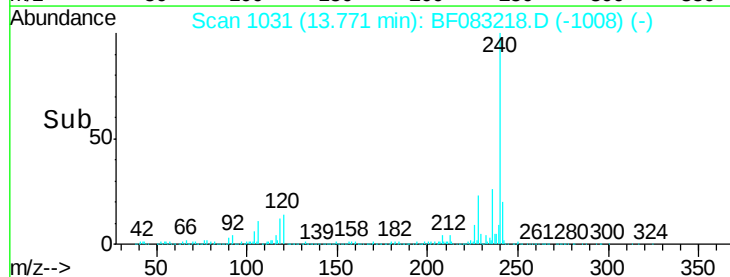
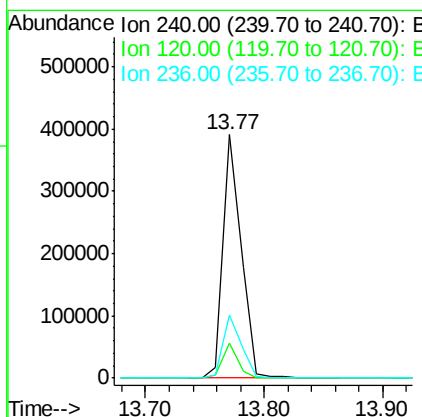
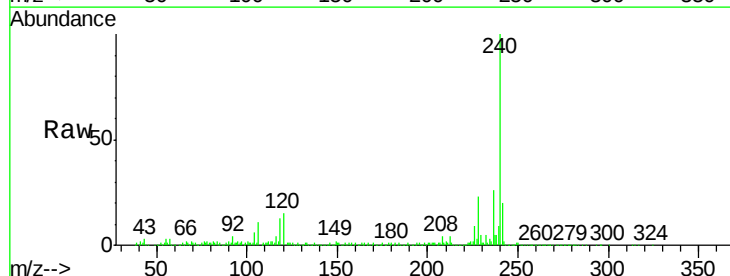
Manual Integrations
APPROVED

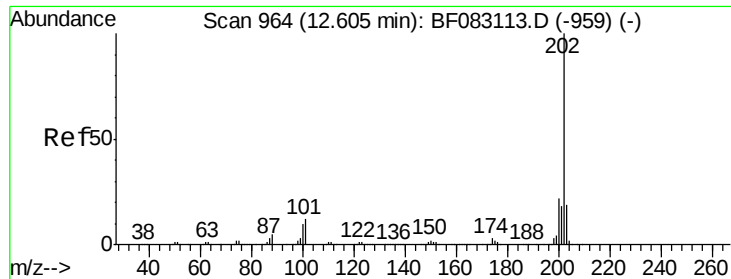
Mmdadoda
11/24/2015 1:20:16 PM



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.77 min Scan# 1031
Delta R.T. -0.03 min
Lab File: BF083218.D
Acq: 23 Nov 2015 22:07

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	14.5	5.4	8.2#
236	26.0	20.6	31.0





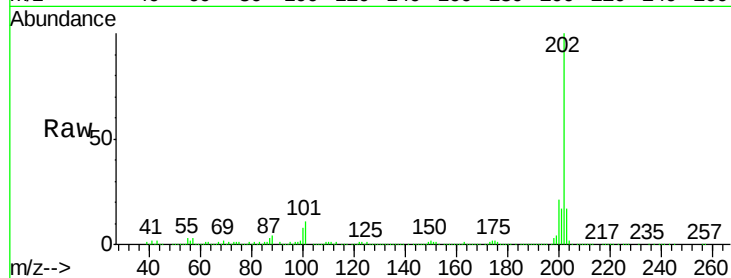
#77
Pvrene
Concen: 11.03 ng
RT: 12.58 min Scan# 927
Delta R.T. -0.02 min
Lab File: BF083218.D
Acq: 23 Nov 2015 22:07

Instrument :
BNA_F
ClientSampleId :
FILL-DIRT-3

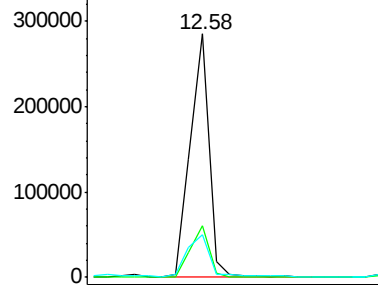
Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.2	17.8	26.6
203	17.3	15.0	22.4

Manual Integrations
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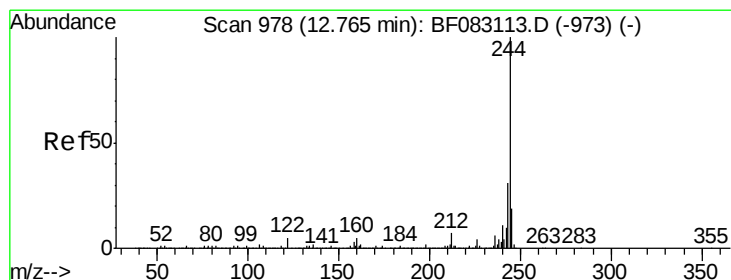
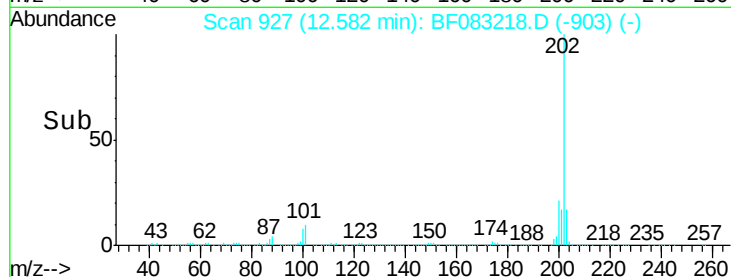
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

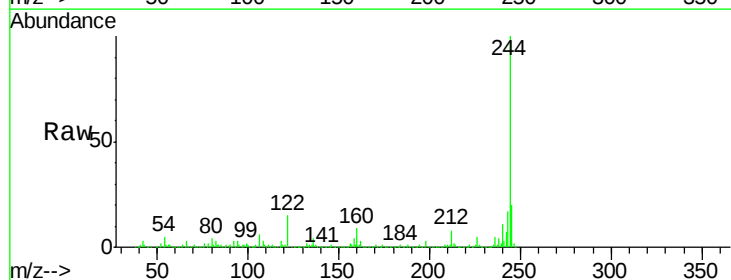


Time-->

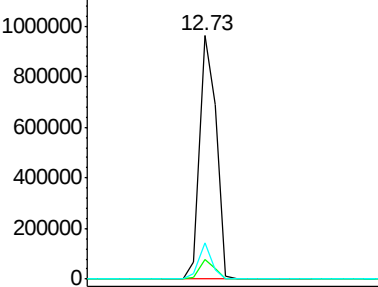


#78
Terphenyl-d14
Concen: 68.66 ng
RT: 12.73 min Scan# 940
Delta R.T. -0.03 min
Lab File: BF083218.D
Acq: 23 Nov 2015 22:07

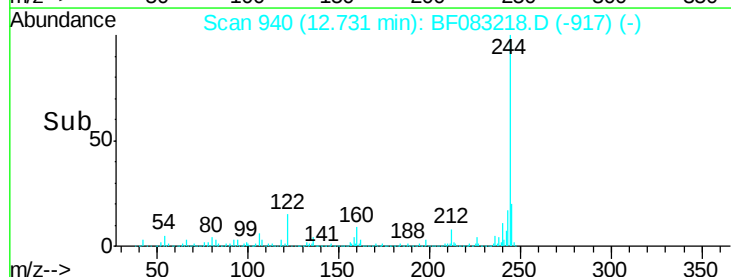
Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.9	5.4	8.2
122	15.1	4.3	6.5#

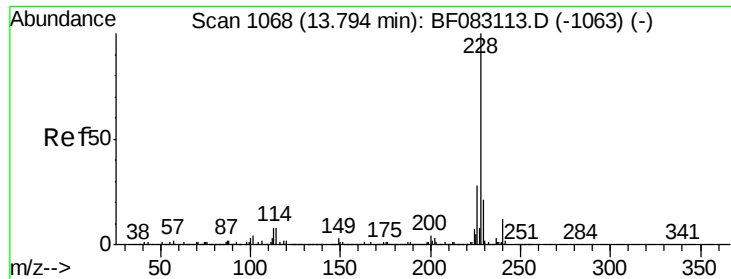


Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



Time-->





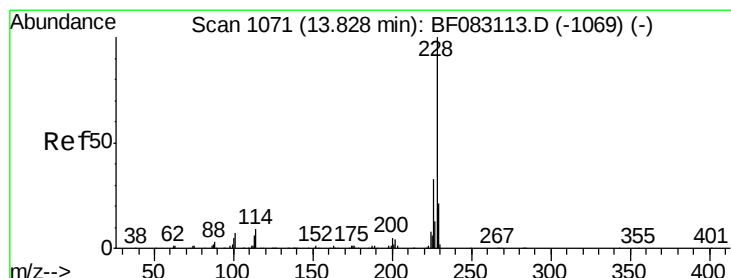
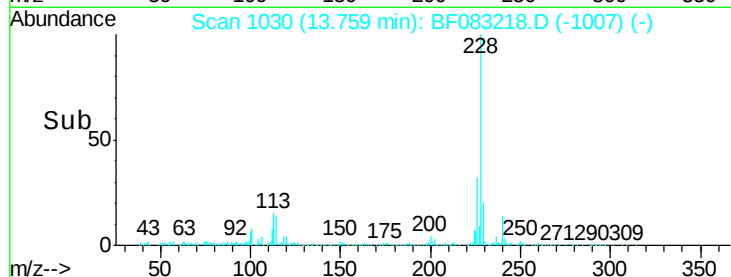
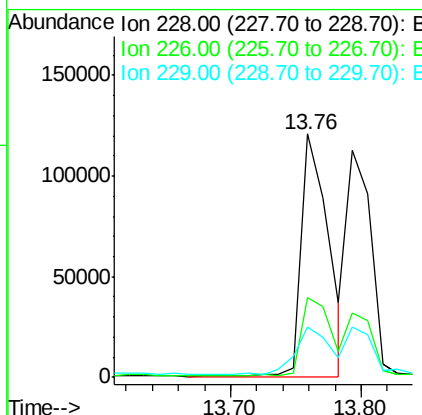
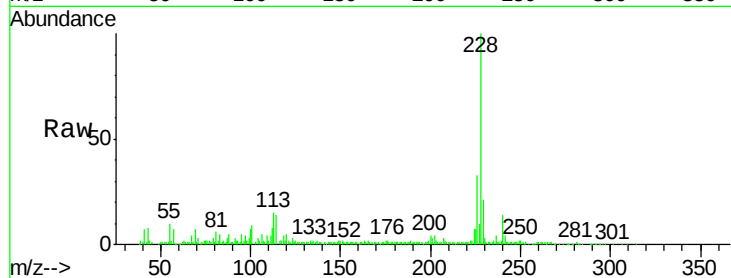
#80
Benzo(a)anthracene
Concen: 6.86 ng
RT: 13.76 min Scan# 1030
Delta R.T. -0.03 min
Lab File: BF083218.D
Acq: 23 Nov 2015 22:07

Instrument :
BNA_F
ClientSampleId :
FILL-DIRT-3

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.7	22.6	33.8
229	20.6	16.6	24.8

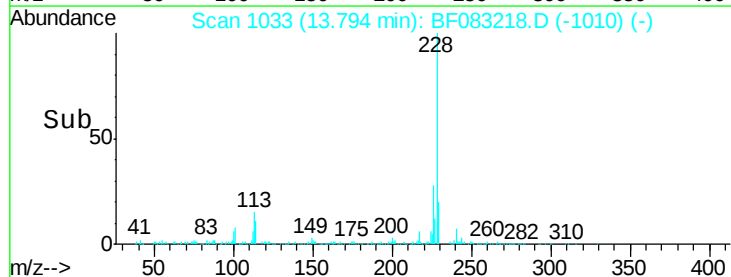
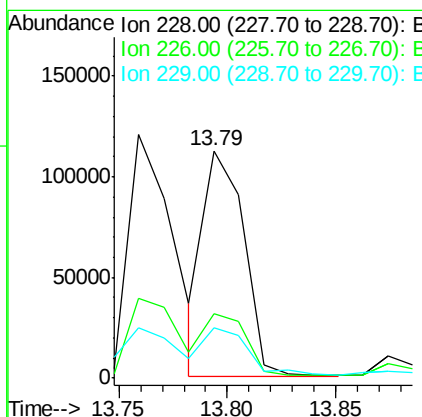
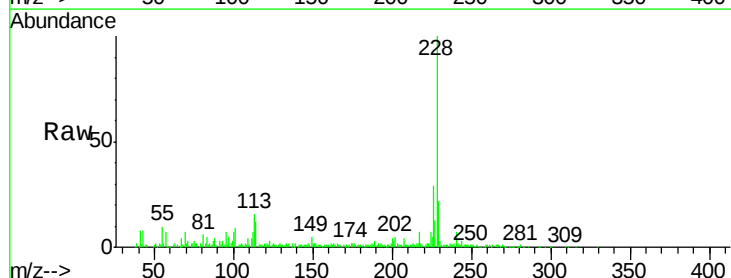
Manual Integrations
APPROVED

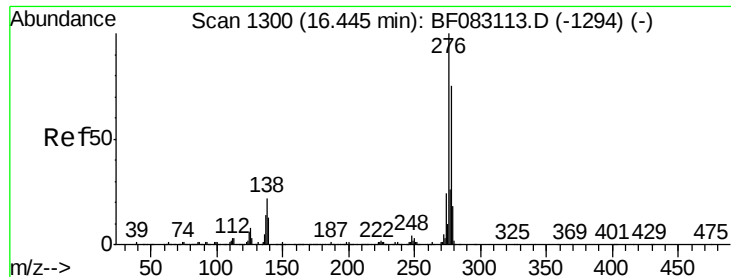
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#82
Chrysene
Concen: 6.13 ng
RT: 13.79 min Scan# 1033
Delta R.T. -0.03 min
Lab File: BF083218.D
Acq: 23 Nov 2015 22:07

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.6	25.5	38.3
229	22.1	16.6	25.0





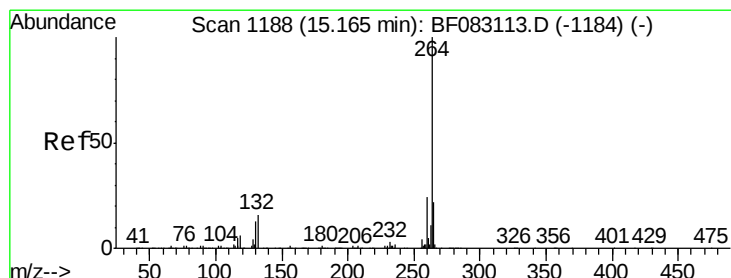
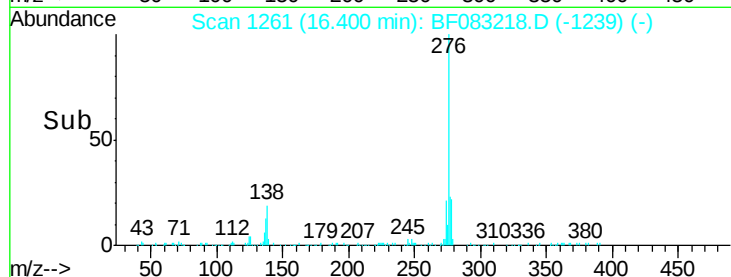
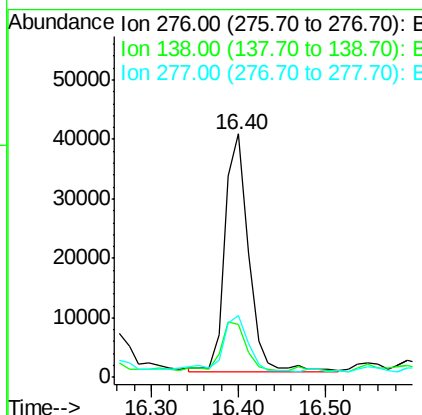
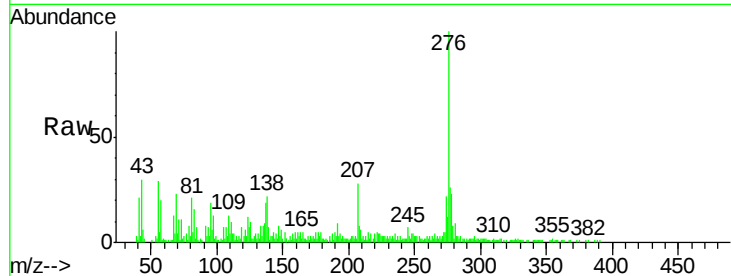
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.57 ng
RT: 16.40 min Scan# 1261
Delta R.T. -0.05 min
Lab File: BF083218.D
Acq: 23 Nov 2015 22:07

Instrument :
BNA_F
ClientSampleId :
FILL-DIRT-3

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.5	18.0	27.0
277	26.3	20.2	30.4

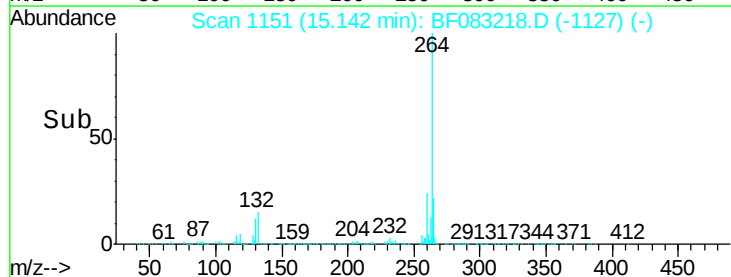
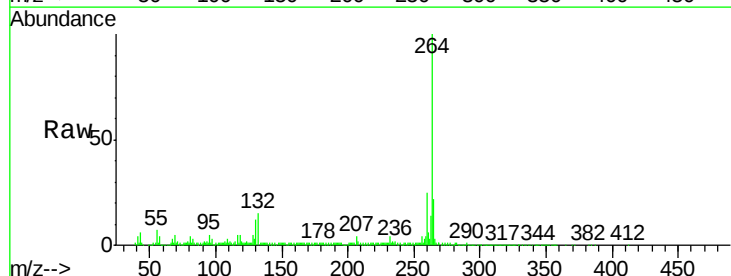
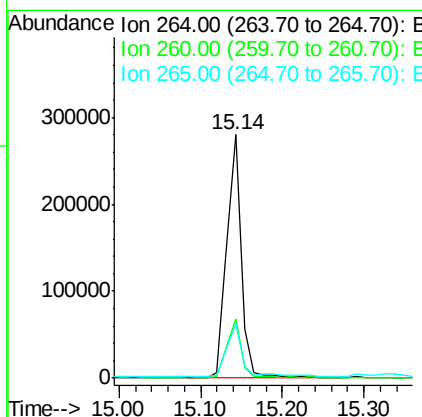
Manual Integrations
APPROVED

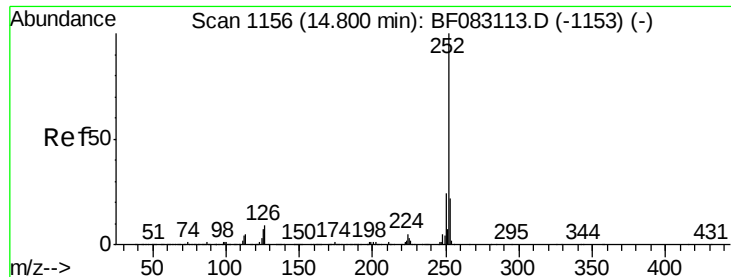
Mmdadoda
11/24/2015 1:20:16 PM



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.14 min Scan# 1151
Delta R.T. -0.02 min
Lab File: BF083218.D
Acq: 23 Nov 2015 22:07

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.1	28.7
265	22.2	18.2	27.4





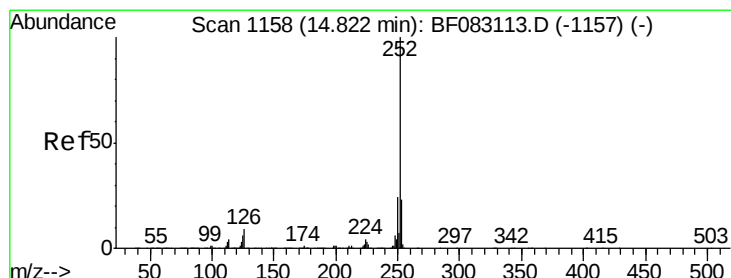
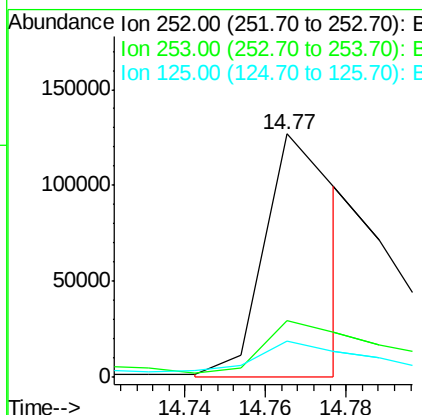
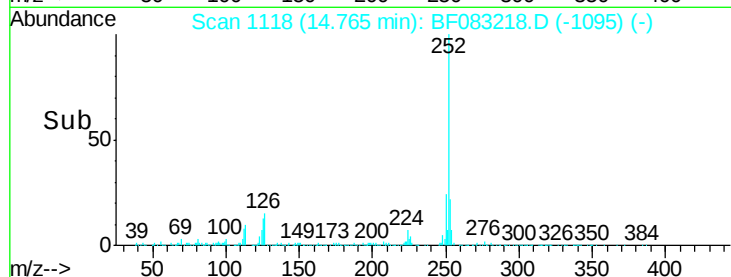
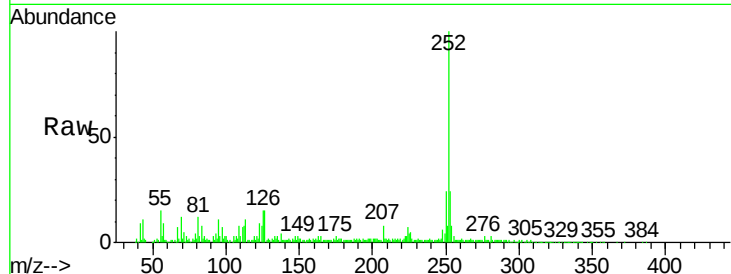
#87
Benzo(b)fluoranthene
Concen: 7.02 ng m
RT: 14.77 min Scan# 1118
Delta R.T. -0.03 min
Lab File: BF083218.D
Acq: 23 Nov 2015 22:07

Instrument :
BNA_F
ClientSampleId :
FILL-DIRT-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.7	26.5
125	15.1	5.6	8.4

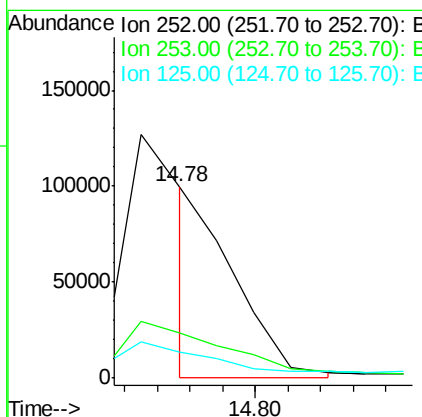
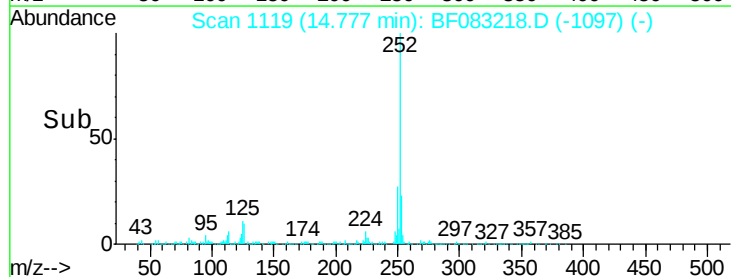
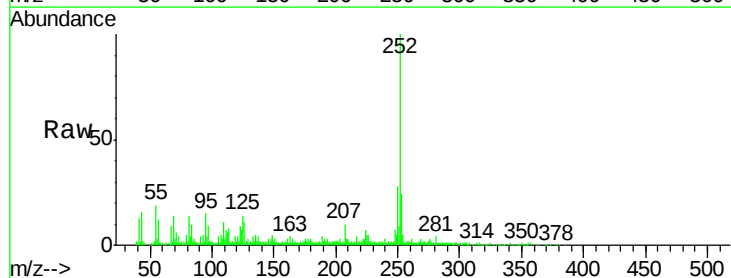
Manual Integrations
APPROVED

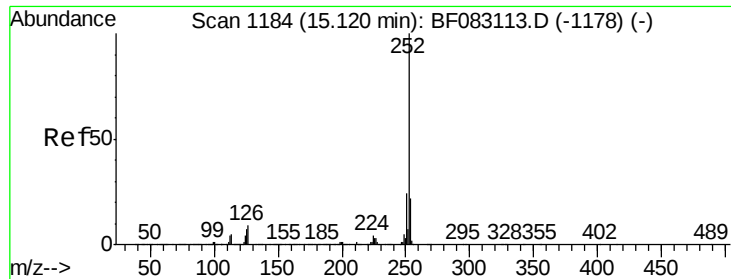
Mmdadoda
11/24/2015 1:20:16 PM



#88
Benzo(k)fluoranthene
Concen: 4.52 ng m
RT: 14.78 min Scan# 1119
Delta R.T. -0.05 min
Lab File: BF083218.D
Acq: 23 Nov 2015 22:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.2	27.2
125	13.8	6.8	10.2





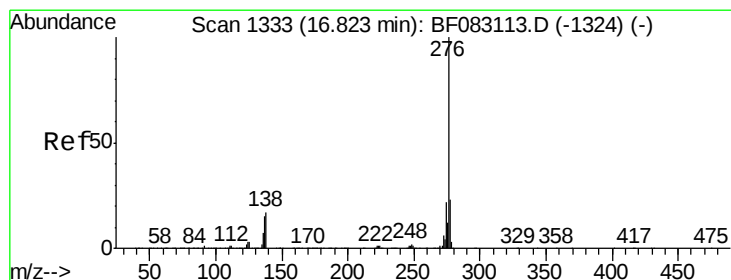
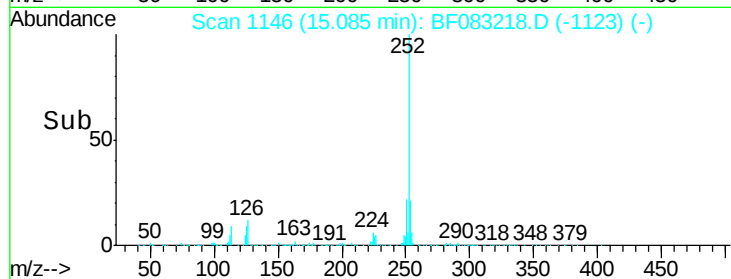
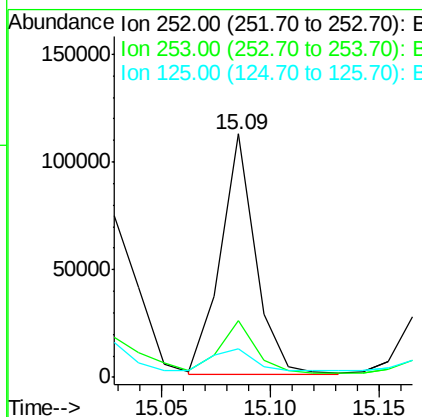
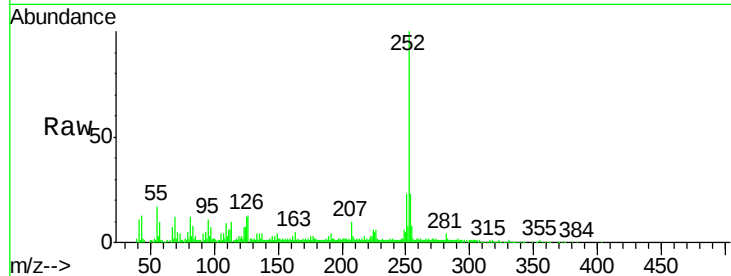
#89
Benzo(a)pyrene
Concen: 6.50 ng
RT: 15.09 min Scan# 1146
Delta R.T. -0.03 min
Lab File: BF083218.D
Acq: 23 Nov 2015 22:07

Instrument :
BNA_F
ClientSampleId :
FILL-DIRT-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.5	26.3
125	11.8	5.4	8.0

Manual Integrations
APPROVED

Mmdadoda
11/24/2015 1:20:16 PM



#91
Benzo(g,h,i)perylene
Concen: 4.37 ng
RT: 16.78 min Scan# 1294
Delta R.T. -0.05 min
Lab File: BF083218.D
Acq: 23 Nov 2015 22:07

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.6	18.7	28.1
138	21.5	13.9	20.9

