

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112315\
 Data File : BF083217.D
 Acq On : 23 Nov 2015 21:38
 Operator : UM/IZ
 Sample : G4512-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FILL-DIRT-2

Manual Integrations
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 11/24/2015 1:20:04 PM

Quant Time: Nov 24 06:24:46 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	218376	20.00	ng	-0.02
21) Naphthalene-d8	7.93	136	807693	20.00	ng	-0.02
38) Acenaphthene-d10	9.68	164	372623	20.00	ng	-0.02
63) Phenanthrene-d10	11.15	188	636860	20.00	ng	-0.02
75) Chrysene-d12	13.77	240	450895	20.00	ng	-0.03
86) Perylene-d12	15.14	264	417114	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	1601346	110.86	ng	-0.03
7) Phenol-d6	6.32	99	2240291	119.87	ng	-0.02
23) Nitrobenzene-d5	7.21	82	1302940	73.71	ng	-0.02
41) 2,4,6-Tribromophenol	10.47	330	400189	104.98	ng	-0.02
44) 2-Fluorobiphenyl	9.00	172	1869674	69.97	ng	-0.02
78) Terphenyl-d14	12.73	244	1435697	74.98	ng	-0.03
Target Compounds						Qvalue
31) Naphthalene	7.95	128	123342	2.83	ng	98
49) Dimethylphthalate	9.40	163	388204	13.53	ng	99
56) 2,4-Dinitrotoluene	9.68	165	47700	5.85	ng	# 10
70) Phenanthrene	11.18	178	185479	5.06	ng	97
74) Fluoranthene	12.35	202	282663	7.53	ng	98
77) Pyrene	12.58	202	260045	8.44	ng	98
80) Benzo(a)anthracene	13.76	228	129981	4.66	ng	# 93
82) Chrysene	13.79	228	100215m	3.88	ng	
85) Indeno(1,2,3-cd)pyrene	16.39	276	67163	2.86	ng	97
87) Benzo(b)fluoranthene	14.77	252	131789m	4.62	ng	
88) Benzo(k)fluoranthene	14.78	252	57722m	2.72	ng	
89) Benzo(a)pyrene	15.09	252	99872	4.24	ng	# 97
91) Benzo(a,h,i)perylene	16.77	276	63077	3.02	ng	# 93

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

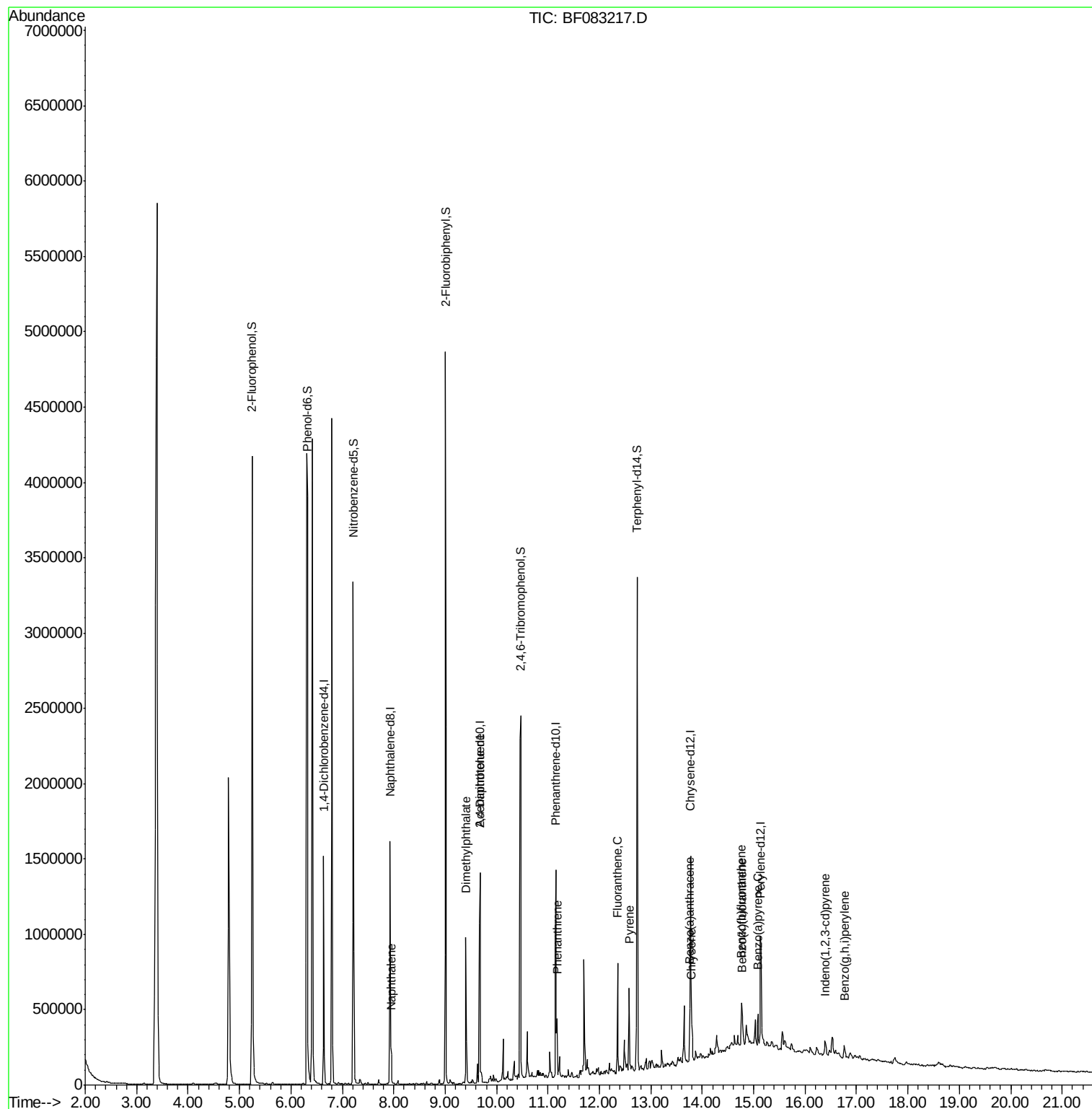
Data Path : Z:\HPCHEM1\BNA F\DATA\BF112315\
Data File : BF083217.D
Acq On : 23 Nov 2015 21:38
Operator : UM/IZ
Sample : G4512-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

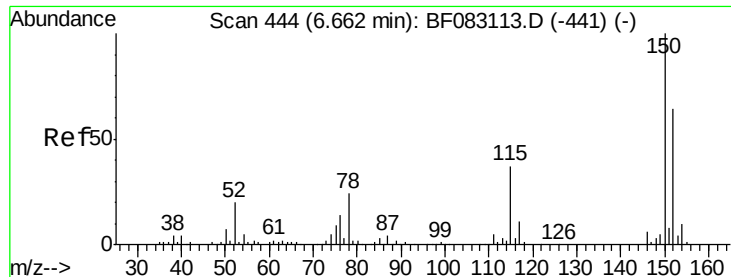
Instrument :
BNA_F
ClientSampleId :
FILL-DIRT-2

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Quant Time: Nov 24 06:24:46 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: BF083217.D

Acq: 23 Nov 2015 21:38

Instrument :

BNA_F

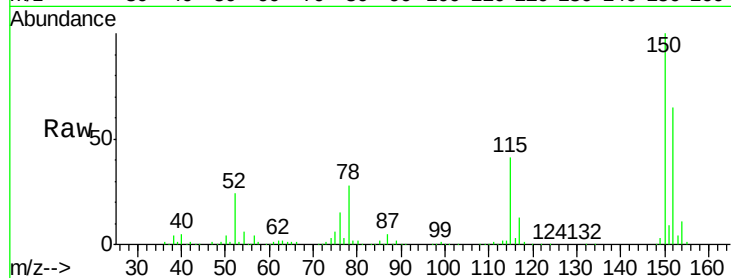
ClientSampleId :

FILL-DIRT-2

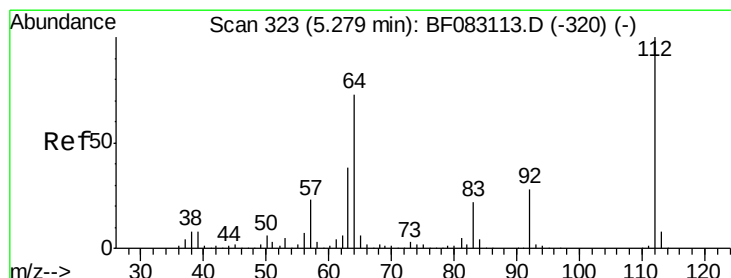
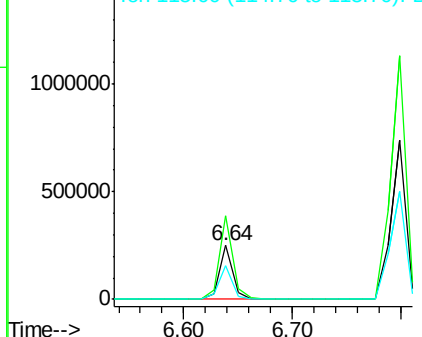
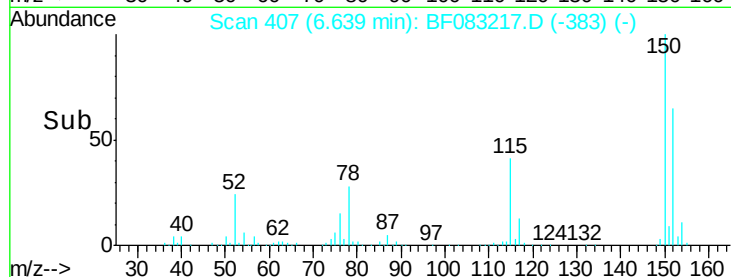
Tot Ion:	152	Resp:	218376
Ion Ratio	Lower	Upper	
152	100		
150	154.5	125.8	188.8
115	62.8	46.9	70.3

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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



#5

2-Fluorophenol

Concen: 110.86 ng

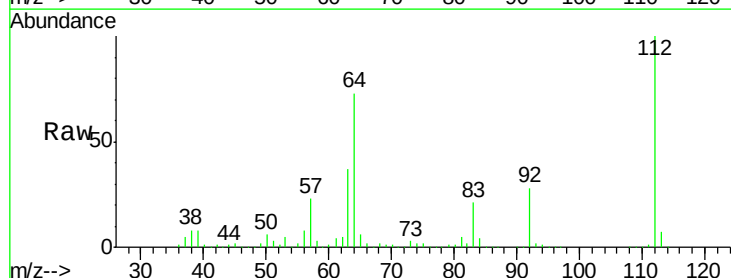
RT: 5.24 min Scan# 285

Delta R.T. -0.03 min

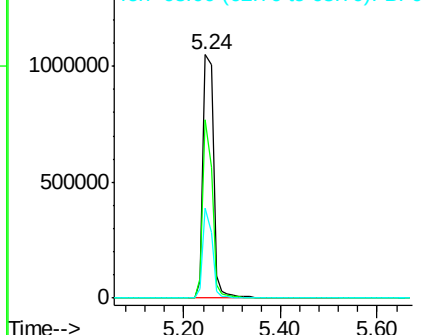
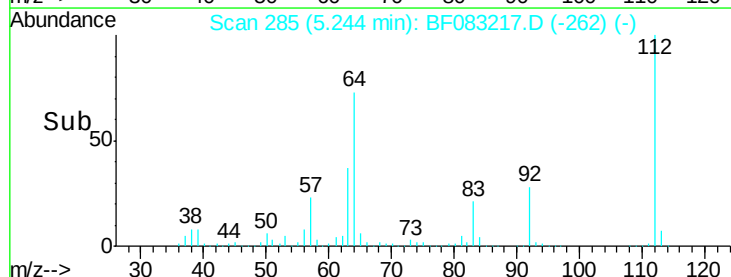
Lab File: BF083217.D

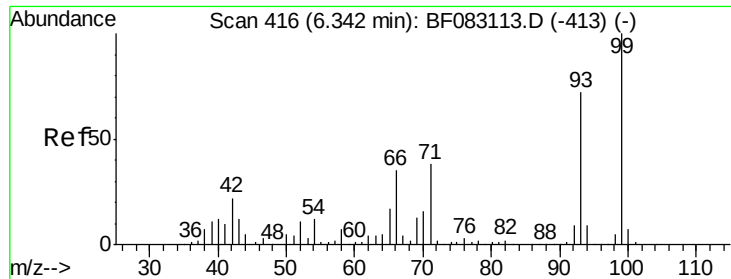
Acq: 23 Nov 2015 21:38

Tgt Ion:	112	Resp:	1601346
Ion Ratio	Lower	Upper	
112	100		
64	73.3	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: 119.87 ng

RT: 6.32 min Scan# 379

Delta R.T. -0.02 min

Lab File: BF083217.D

Acq: 23 Nov 2015 21:38

Instrument :

BNA_F

ClientSampleId :

FILL-DIRT-2

Tot Ion: 99 Resp: 2240291

Ion Ratio Lower Upper

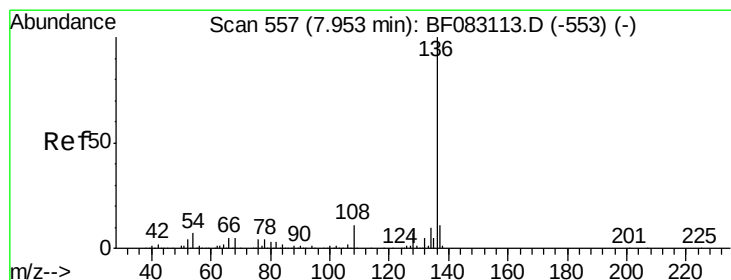
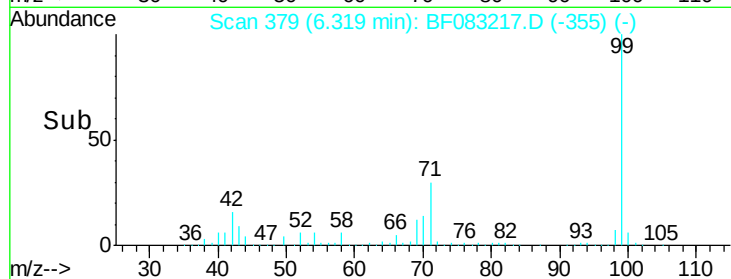
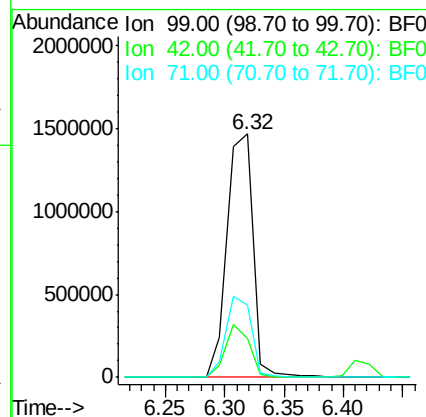
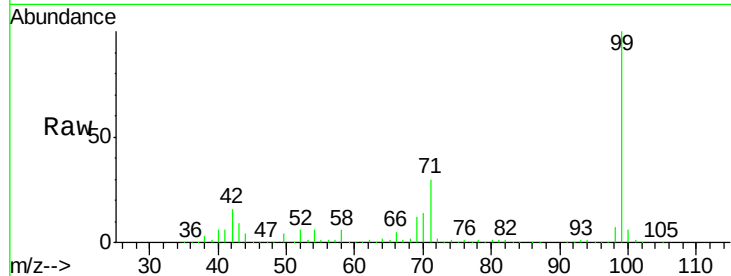
99 100

42 16.0 17.7 26.5#

71 29.7 30.2 45.4#

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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: BF083217.D

Acq: 23 Nov 2015 21:38

Tgt Ion: 136 Resp: 807693

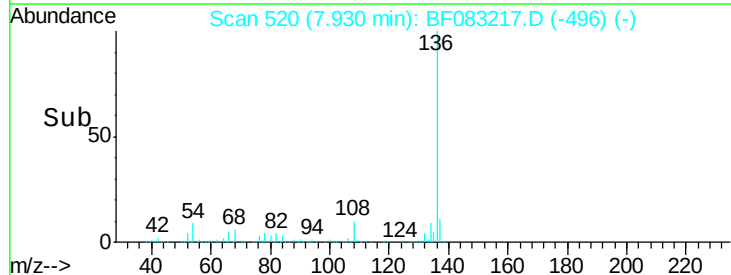
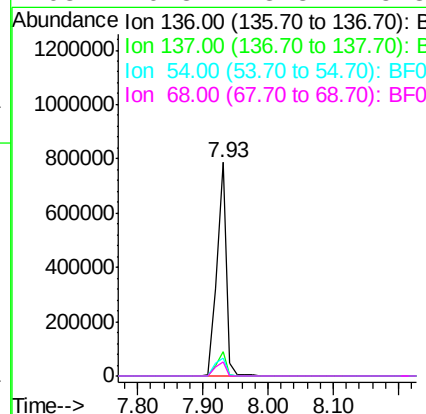
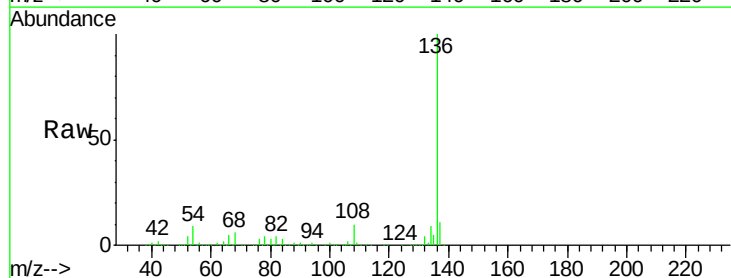
Ion Ratio Lower Upper

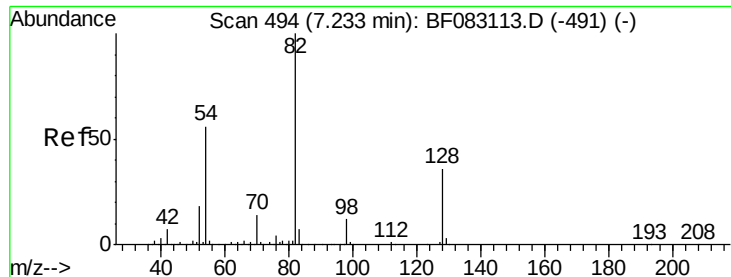
136 100

137 11.3 8.7 13.1

54 8.6 5.8 8.6

68 6.3 3.8 5.8#





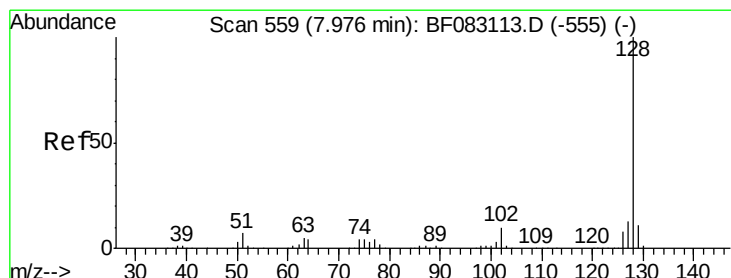
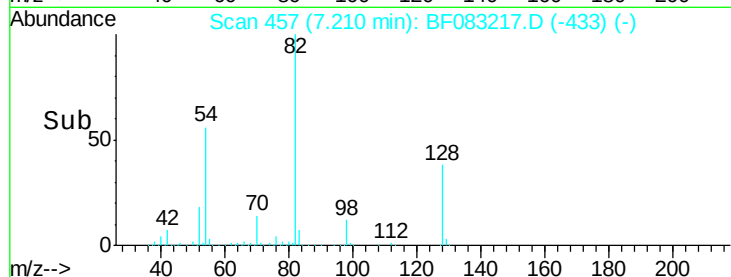
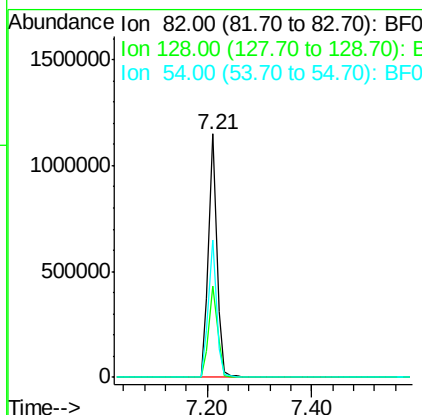
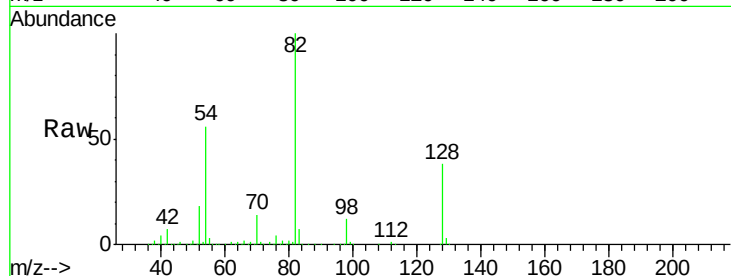
#23
 Nitrobenzene-d5
 Concen: 73.71 ng
 RT: 7.21 min Scan# 457
 Delta R.T. -0.02 min
 Lab File: BF083217.D
 Acq: 23 Nov 2015 21:38

Instrument :
 BNA_F
 ClientSampleId :
 FILL-DIRT-2

Tot Ion: 82 Resp: 1302940
 Ion Ratio Lower Upper
 82 100
 128 37.5 28.5 42.7
 54 56.3 44.6 67.0

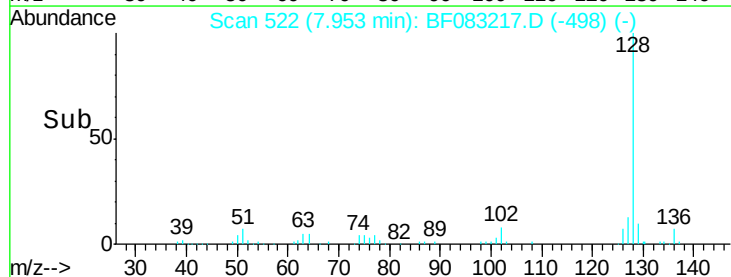
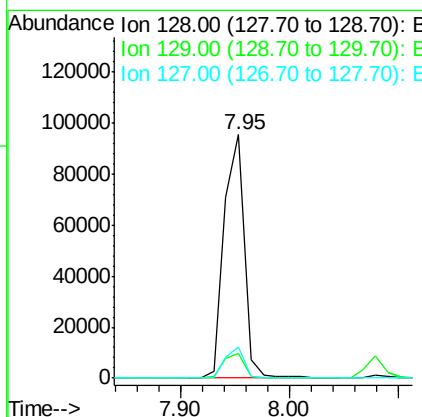
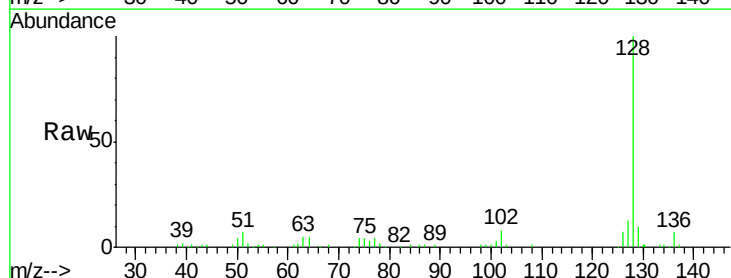
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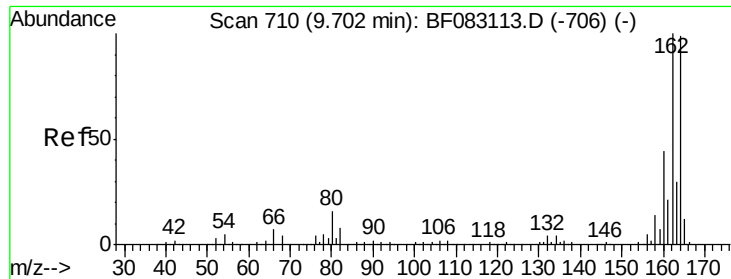
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#31
 Naphthalene
 Concen: 2.83 ng
 RT: 7.95 min Scan# 522
 Delta R.T. -0.02 min
 Lab File: BF083217.D
 Acq: 23 Nov 2015 21:38

Tgt Ion: 128 Resp: 123342
 Ion Ratio Lower Upper
 128 100
 129 10.3 9.0 13.4
 127 12.7 10.6 15.8





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.68 min Scan# 673

Delta R.T. -0.02 min

Lab File: BF083217.D

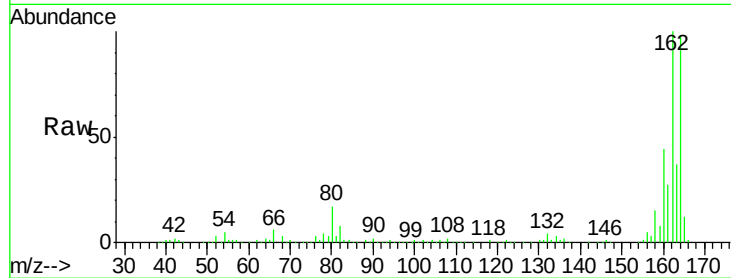
Acq: 23 Nov 2015 21:38

Instrument :

BNA_F

ClientSampleId :

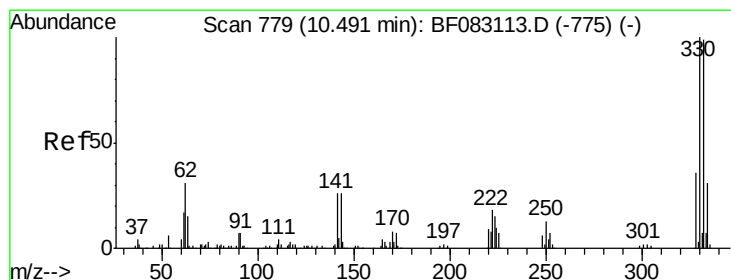
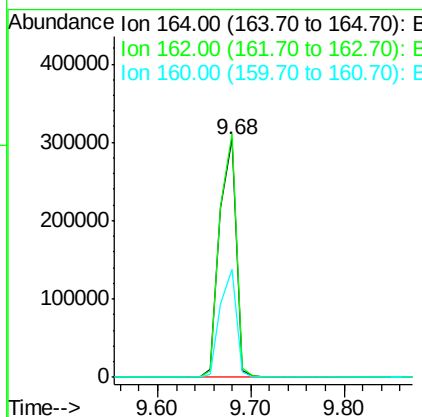
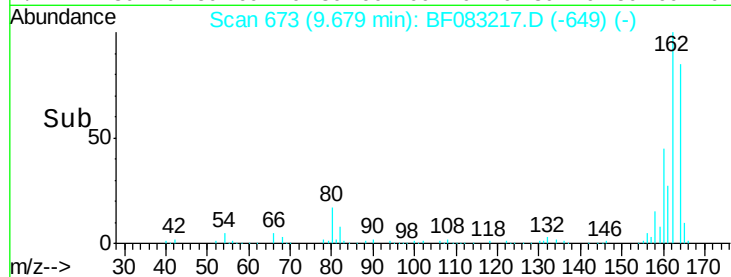
FILL-DIRT-2



Tot Ion:	164	Resp:	372623
Ion Ratio	Lower	Upper	
164	100		
162	102.2	81.2	121.8
160	45.4	35.6	53.4

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#41

2,4,6-Tribromophenol

Concen: 104.98 ng

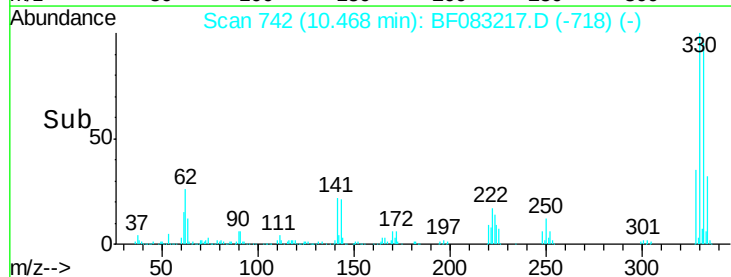
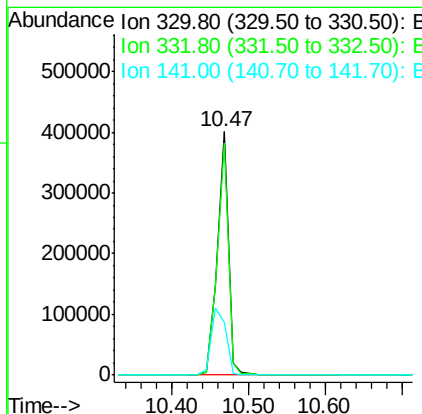
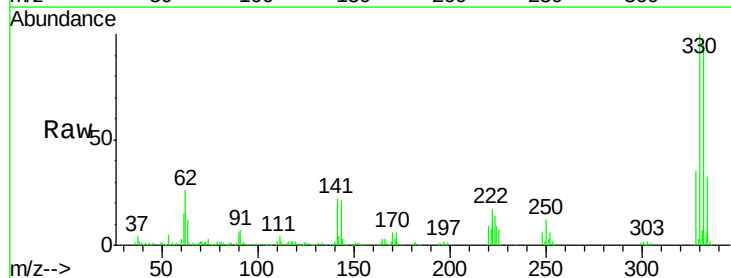
RT: 10.47 min Scan# 742

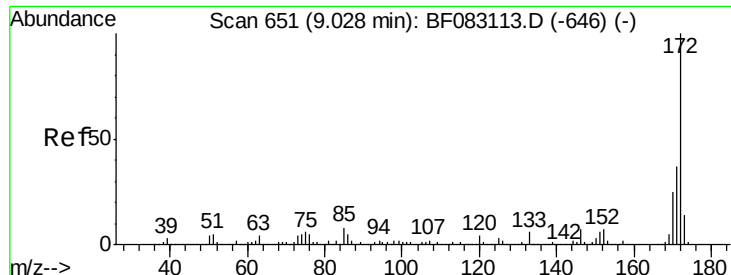
Delta R.T. -0.02 min

Lab File: BF083217.D

Acq: 23 Nov 2015 21:38

Tgt Ion:	330	Resp:	400189
Ion Ratio	Lower	Upper	
330	100		
332	96.4	77.7	116.5
141	36.6	29.7	44.5





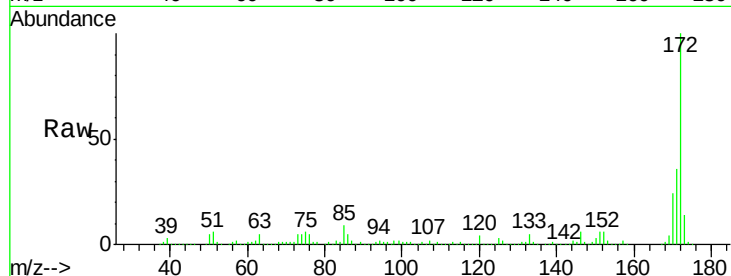
#44
 2-Fluorobiphenyl
 Concen: 69.97 ng
 RT: 9.00 min Scan# 614
 Delta R.T. -0.02 min
 Lab File: BF083217.D
 Acq: 23 Nov 2015 21:38

Instrument :
 BNA_F
 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.5	44.3
170	24.1	19.9	29.9

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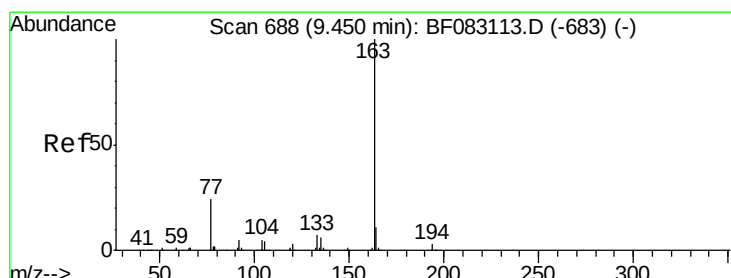
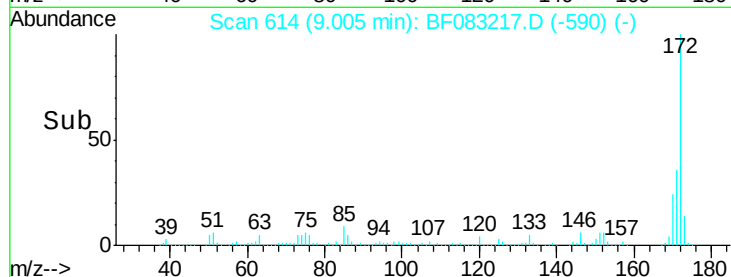
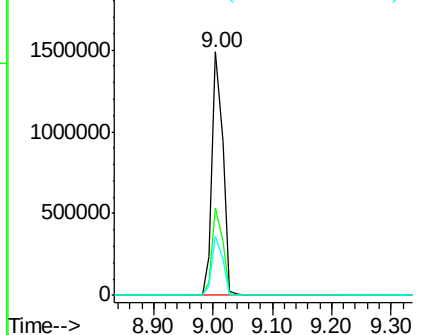


Abundance

Ion 172.00 (171.70 to 172.70): E

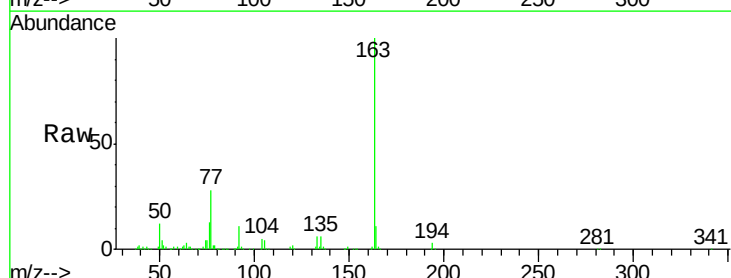
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#49
 Dimethylphthalate
 Concen: 13.53 ng
 RT: 9.40 min Scan# 649
 Delta R.T. -0.05 min
 Lab File: BF083217.D
 Acq: 23 Nov 2015 21:38

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.1	2.6	4.0
164	10.5	8.6	12.8

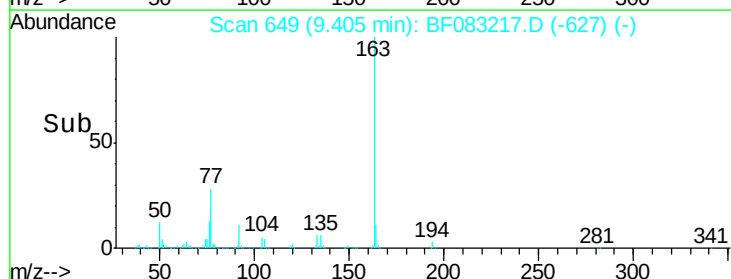
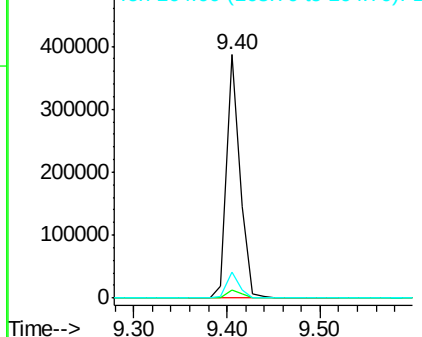


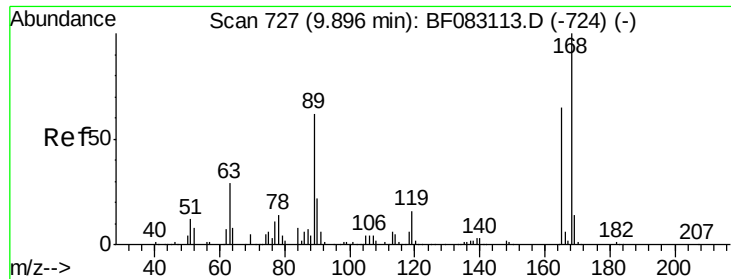
Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

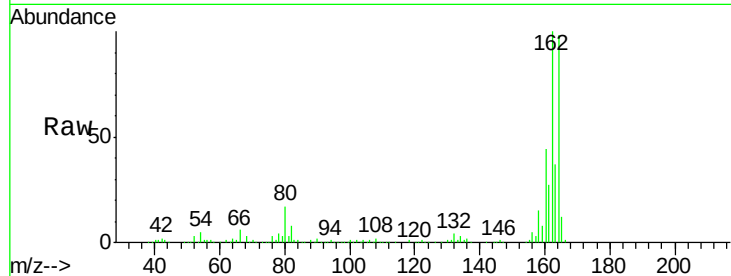
Ion 164.00 (163.70 to 164.70): E





#56
 2,4-Dinitrotoluene
 Concen: 5.85 ng
 RT: 9.68 min Scan# 673
 Delta R.T. -0.22 min
 Lab File: BF083217.D
 Acq: 23 Nov 2015 21:38

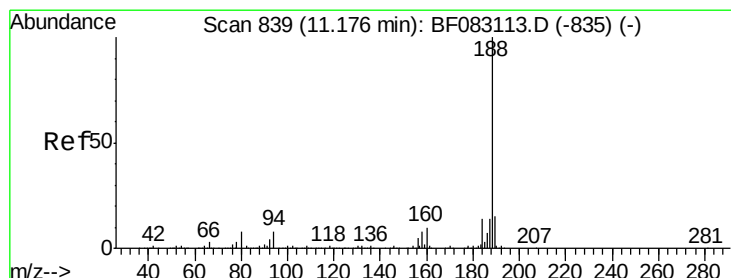
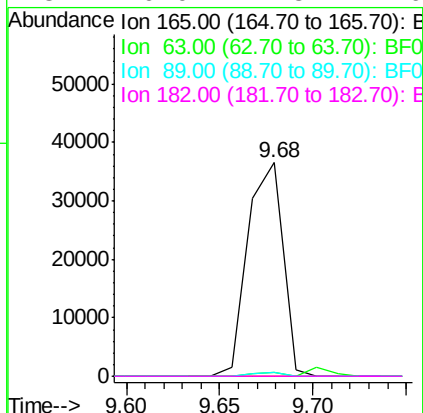
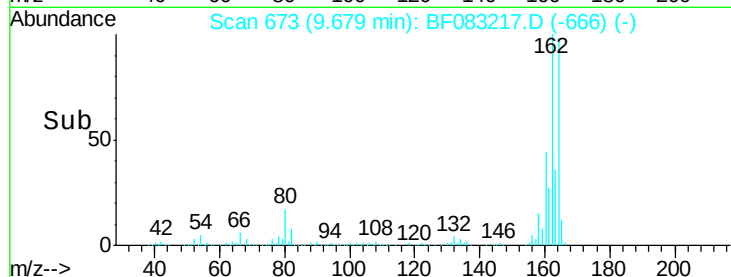
Instrument :
 BNA_F
 ClientSampleId :
 FILL-DIRT-2



Tot Ion	Ratio	Resp	Lower	Upper
165	100	47700		
63	1.8	54.5	81.7#	
89	1.6	77.3	115.9#	
182	0.0	1.8	2.6#	

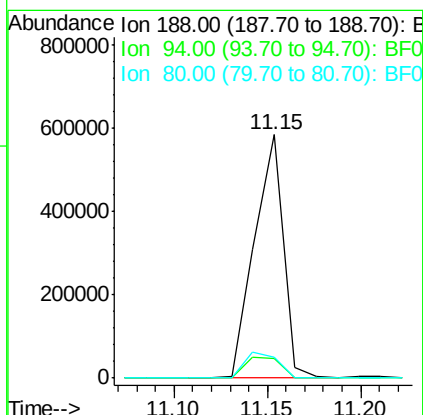
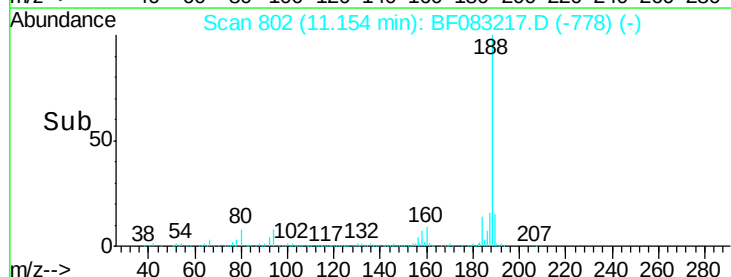
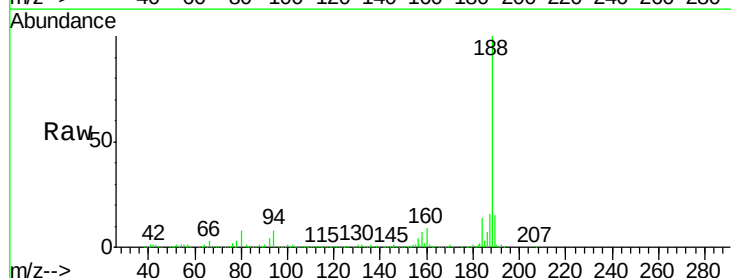
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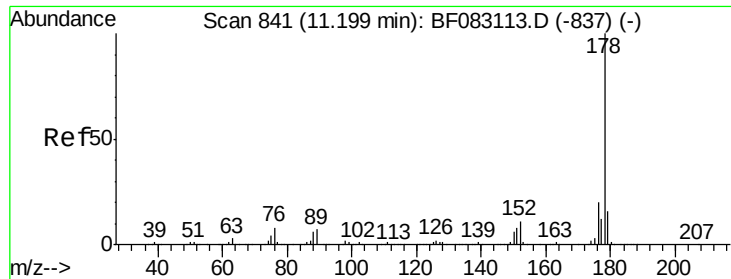
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#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.15 min Scan# 802
 Delta R.T. -0.02 min
 Lab File: BF083217.D
 Acq: 23 Nov 2015 21:38

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	636860		
94	8.0	6.0	9.0	
80	8.5	6.7	10.1	





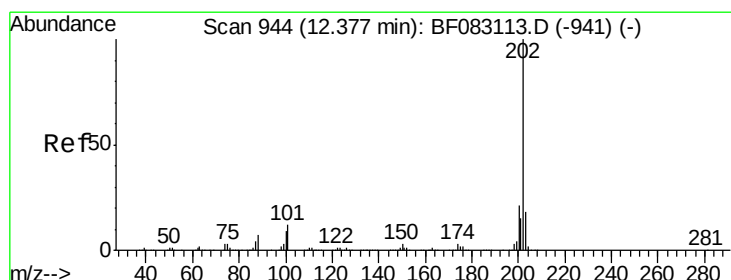
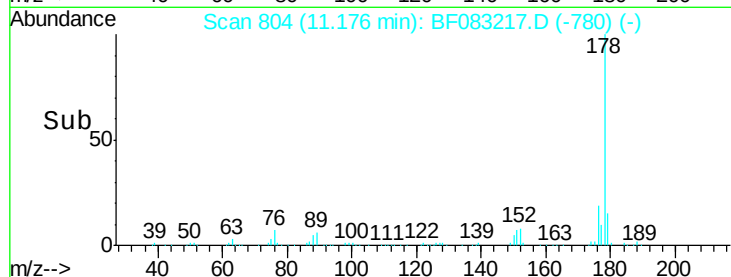
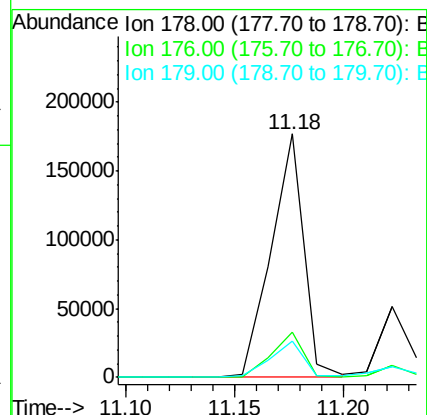
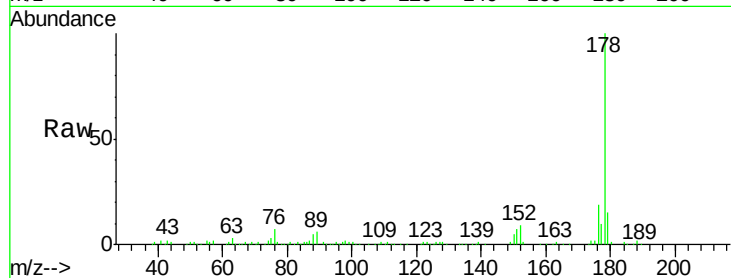
#70
Phenanthrene
Concen: 5.06 ng
RT: 11.18 min Scan# 804
Delta R.T. -0.02 min
Lab File: BF083217.D
Acq: 23 Nov 2015 21:38

Instrument :
BNA_F
ClientSampleId :
FILL-DIRT-2

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	16.2	24.2
179	15.0	12.8	19.2

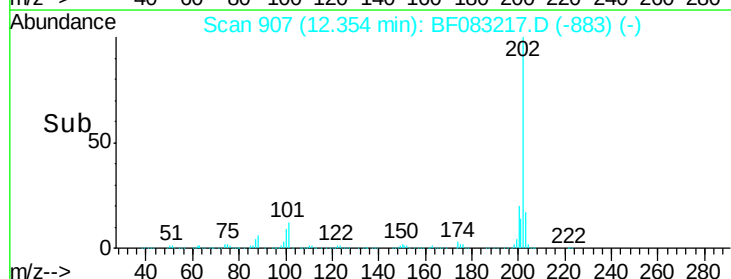
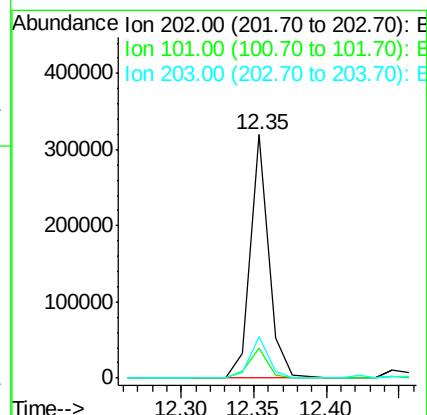
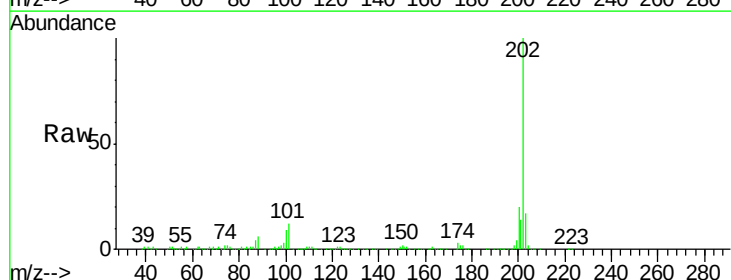
Manual Integrations
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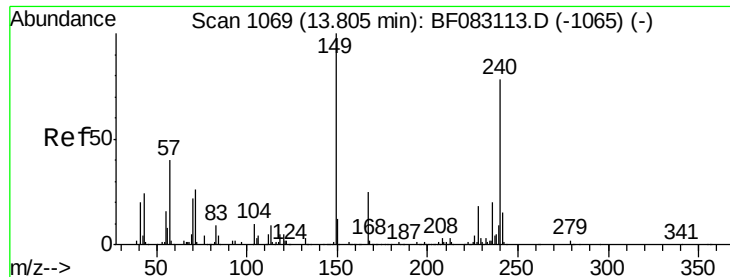
Mmdadoda
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#74
Fluoranthene
Concen: 7.53 ng
RT: 12.35 min Scan# 907
Delta R.T. -0.02 min
Lab File: BF083217.D
Acq: 23 Nov 2015 21:38

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	32.3
203	17.1	0.0	38.4





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.77 min Scan# 1031

Delta R.T. -0.03 min

Lab File: BF083217.D

Acq: 23 Nov 2015 21:38

Instrument :

BNA_F

ClientSampleId :

FILL-DIRT-2

Tot Ion:240 Resp: 450895

Ion Ratio Lower Upper

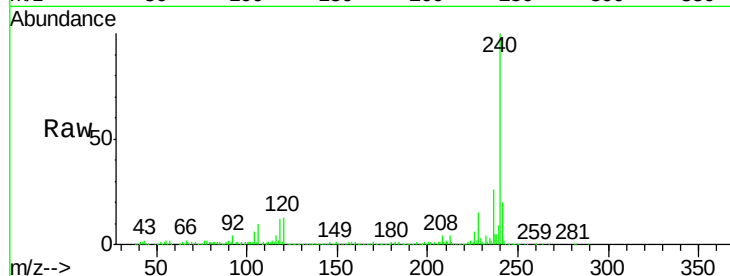
240 100

120 13.4 5.4 8.2#

236 25.8 20.6 31.0

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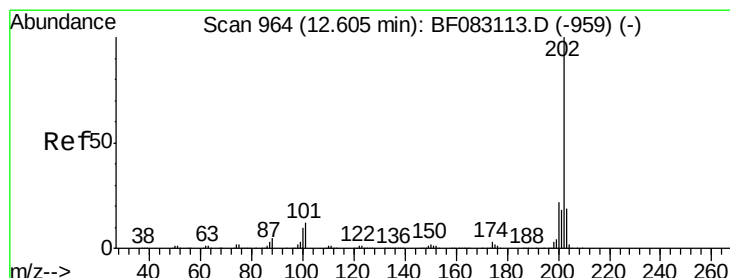
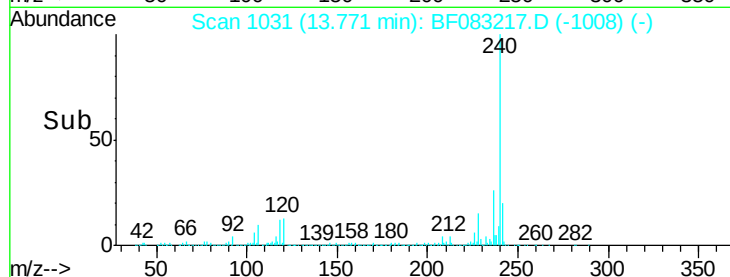
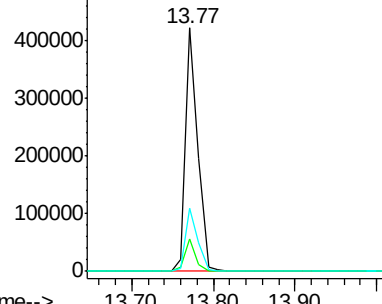
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 8.44 ng

RT: 12.58 min Scan# 927

Delta R.T. -0.02 min

Lab File: BF083217.D

Acq: 23 Nov 2015 21:38

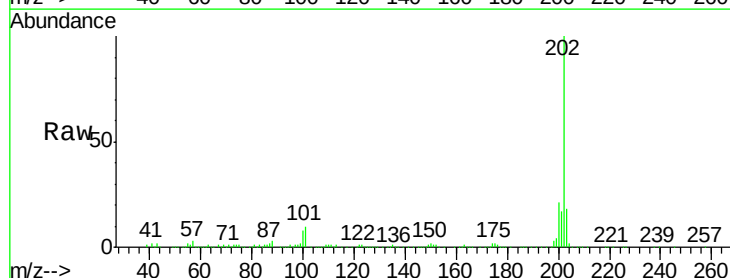
Tgt Ion:202 Resp: 260045

Ion Ratio Lower Upper

202 100

200 21.2 17.8 26.6

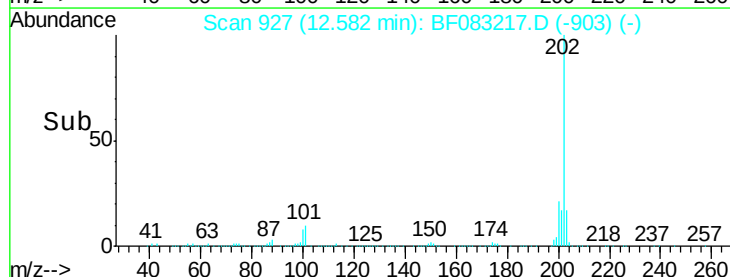
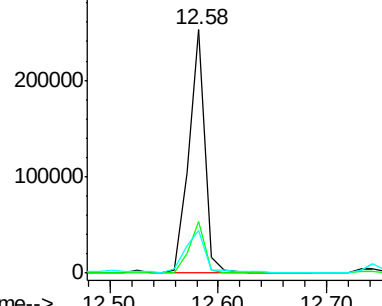
203 17.5 15.0 22.4

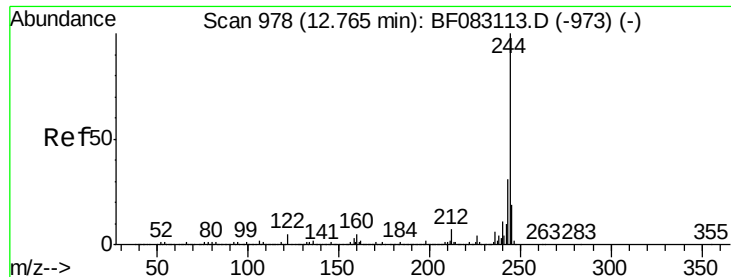


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 74.98 ng

RT: 12.73 min Scan# 940

Delta R.T. -0.03 min

Lab File: BF083217.D

Acq: 23 Nov 2015 21:38

Instrument :

BNA_F

ClientSampleId :

FILL-DIRT-2

Tot Ion:244 Resp: 1435697

Ion Ratio Lower Upper

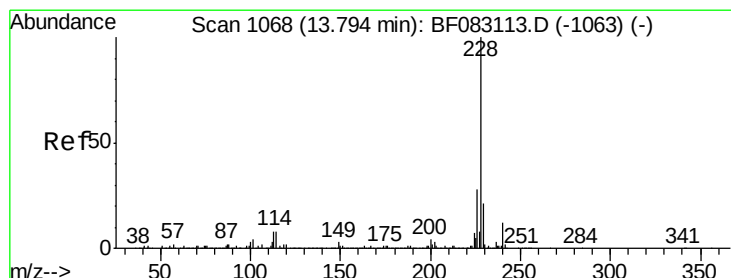
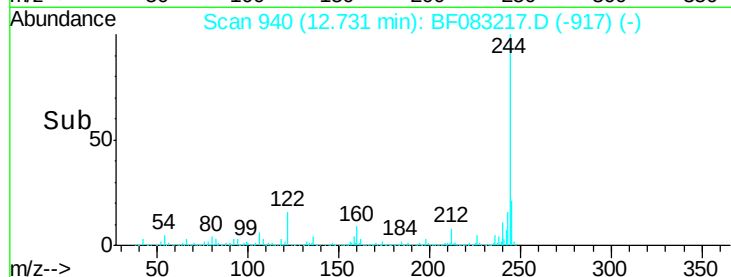
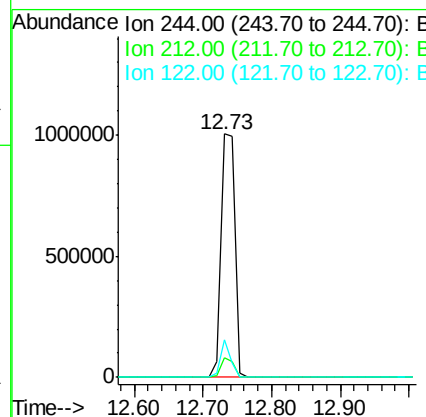
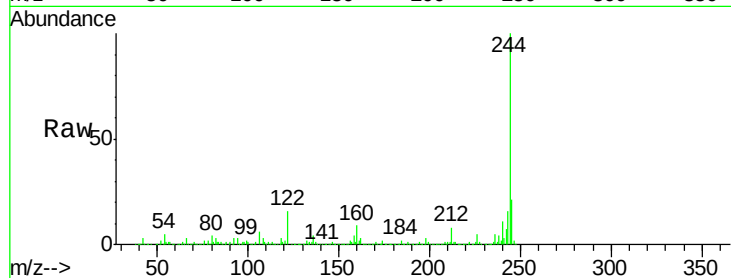
244 100

212 8.0 5.4 8.2

122 15.6 4.3 6.5#

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#80

Benzo(a)anthracene

Concen: 4.66 ng

RT: 13.76 min Scan# 1030

Delta R.T. -0.03 min

Lab File: BF083217.D

Acq: 23 Nov 2015 21:38

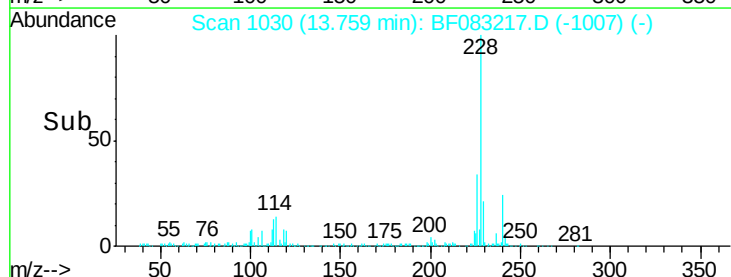
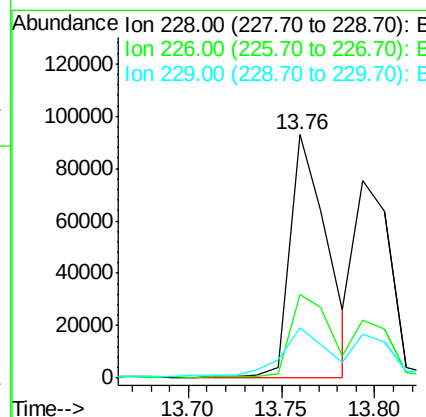
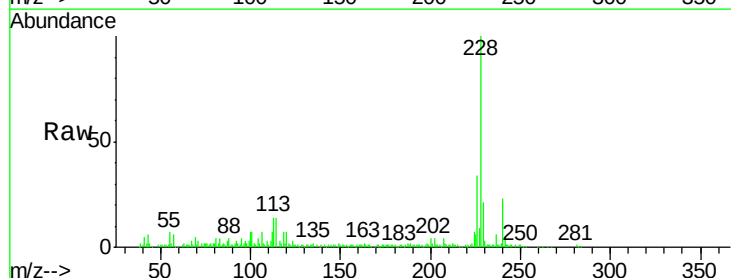
Tgt Ion:228 Resp: 129981

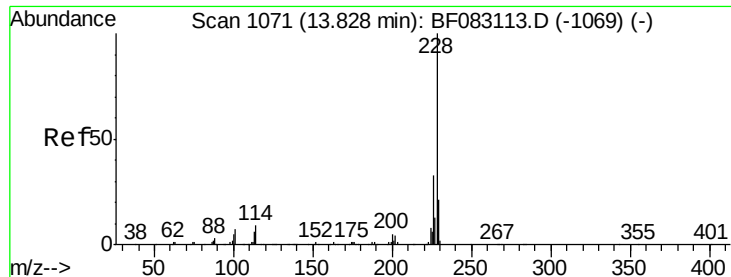
Ion Ratio Lower Upper

228 100

226 34.2 22.6 33.8#

229 20.9 16.6 24.8





#82

Chrysene

Concen: 3.88 ng/mL

RT: 13.79 min Scan# 1033

Delta R.T. -0.03 min

Lab File: BF083217.D

Acq: 23 Nov 2015 21:38

Instrument :

BNA_F

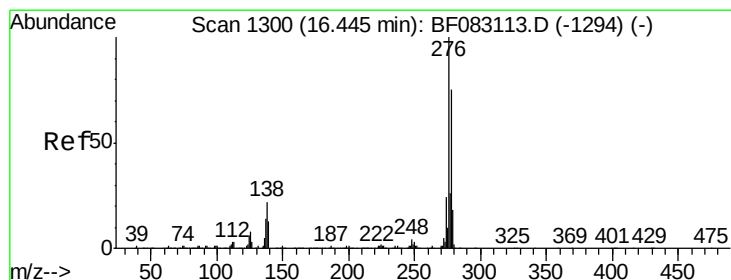
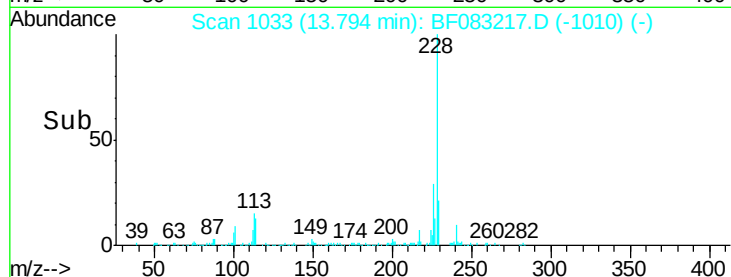
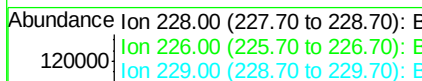
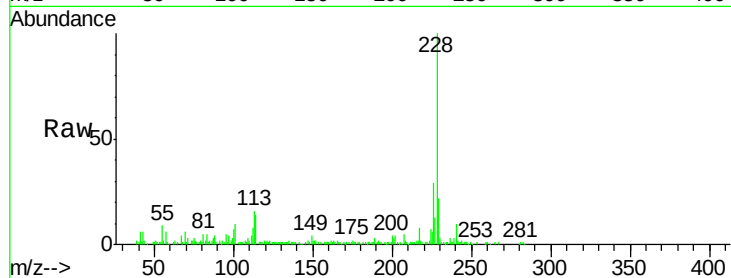
ClientSampleId :

FILL-DIRT-2

Tot Ion:	228	Resp:	100215
Ion Ratio		Lower	Upper
228	100		
226	29.1	25.5	38.3
229	21.9	16.6	25.0

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#85

Indeno(1,2,3-cd)pyrene

Concen: 2.86 ng/mL

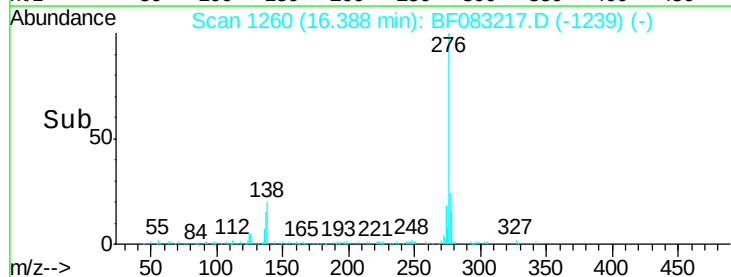
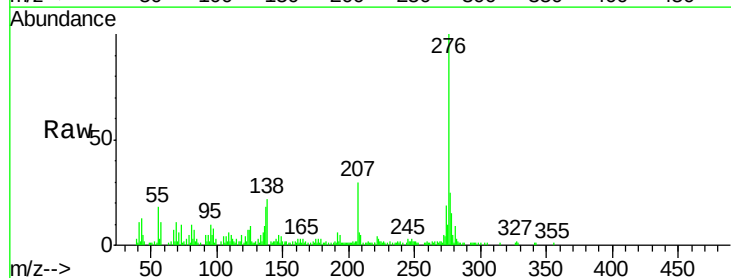
RT: 16.39 min Scan# 1260

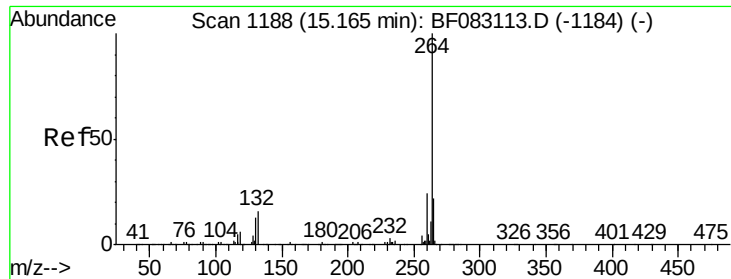
Delta R.T. -0.06 min

Lab File: BF083217.D

Acq: 23 Nov 2015 21:38

Tgt Ion:	276	Resp:	67163
Ion Ratio		Lower	Upper
276	100		
138	23.6	18.0	27.0
277	27.5	20.2	30.4





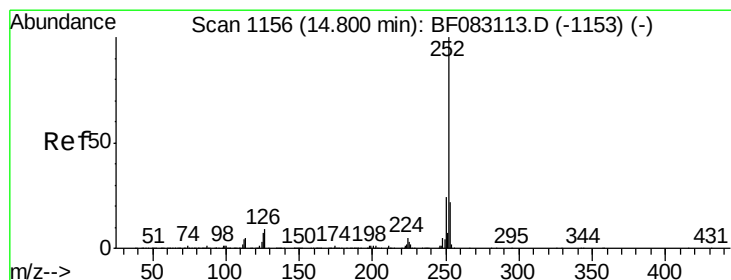
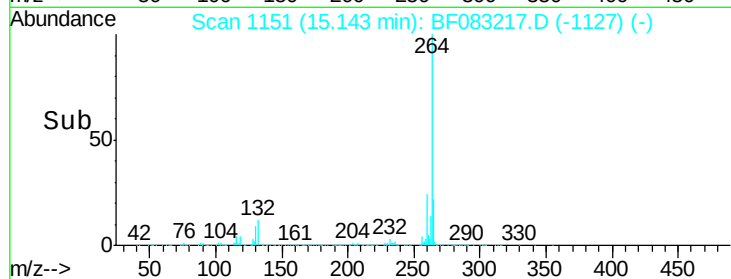
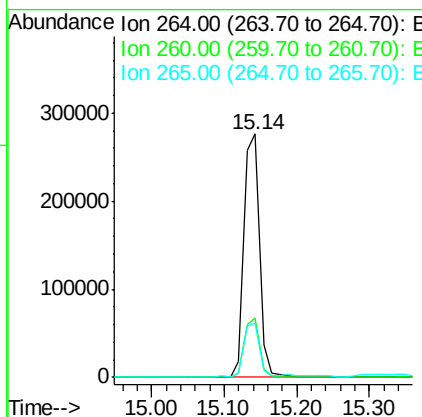
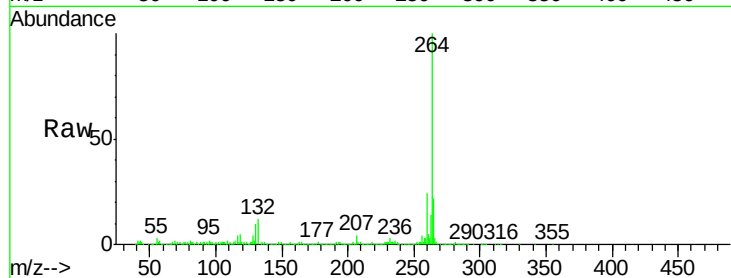
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.14 min Scan# 1151
Delta R.T. -0.02 min
Lab File: BF083217.D
Acq: 23 Nov 2015 21:38

Instrument :
BNA_F
ClientSampleId :
FILL-DIRT-2

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.1	28.7
265	22.0	18.2	27.4

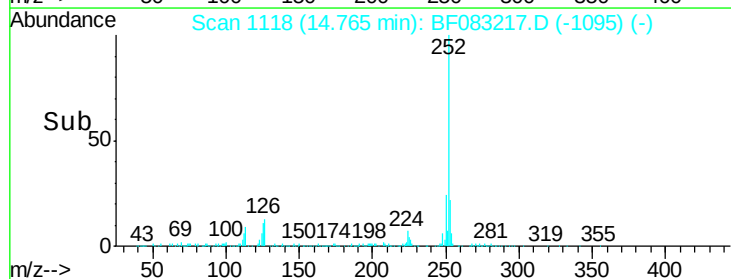
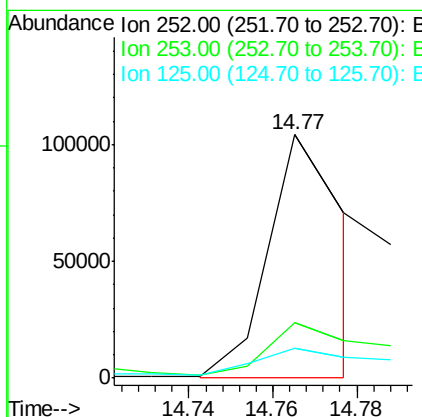
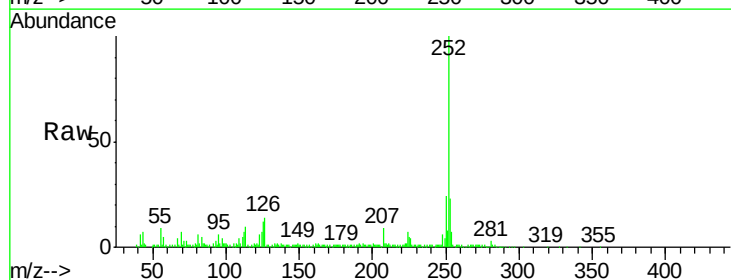
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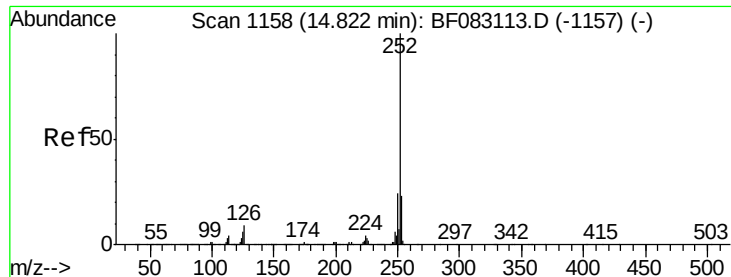
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#87
Benzo(b)fluoranthene
Concen: 4.62 ng m
RT: 14.77 min Scan# 1118
Delta R.T. -0.03 min
Lab File: BF083217.D
Acq: 23 Nov 2015 21:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.7	26.5
125	12.2	5.6	8.4#





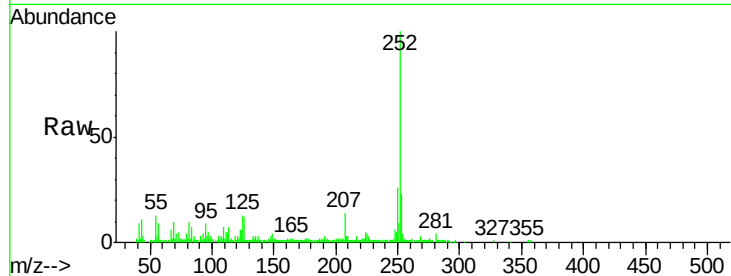
#88
Benzo(k)fluoranthene
Concen: 2.72 ng m
RT: 14.78 min Scan# 1119
Delta R.T. -0.05 min
Lab File: BF083217.D
Acq: 23 Nov 2015 21:38

Instrument :
BNA_F
ClientSampleId :
FILL-DIRT-2

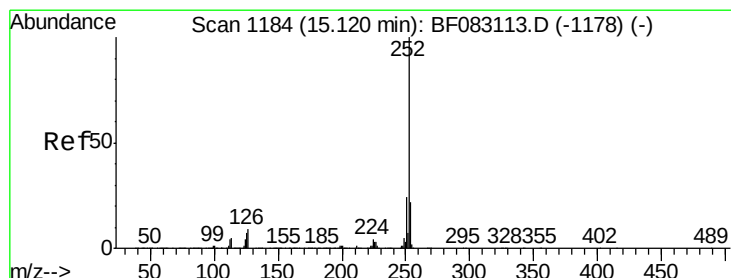
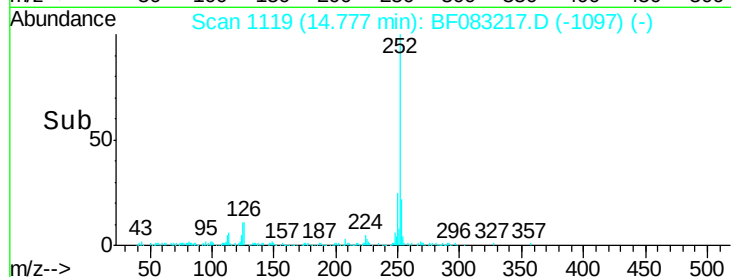
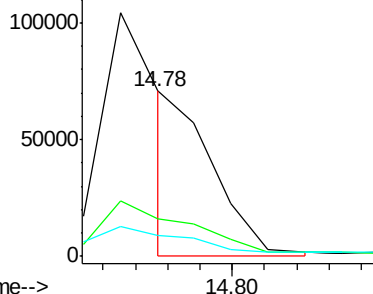
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.2	27.2
125	12.5	6.8	10.2

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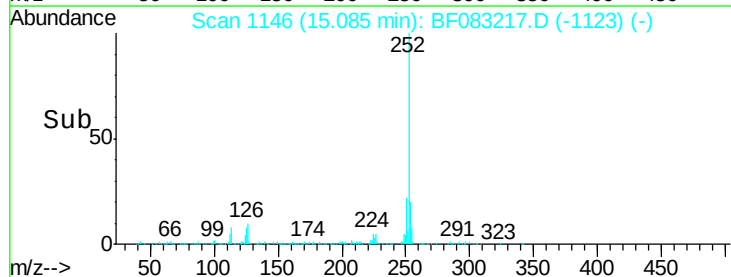
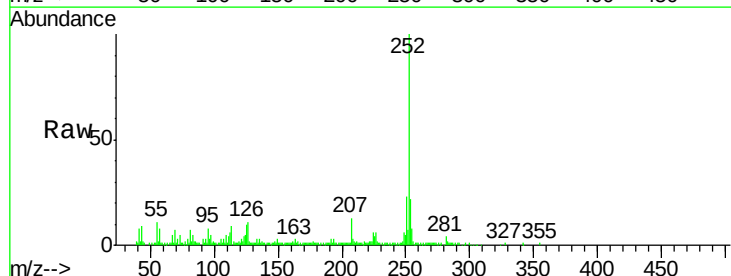
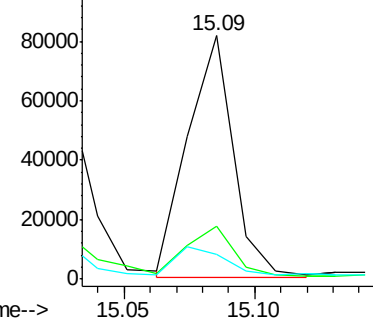
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

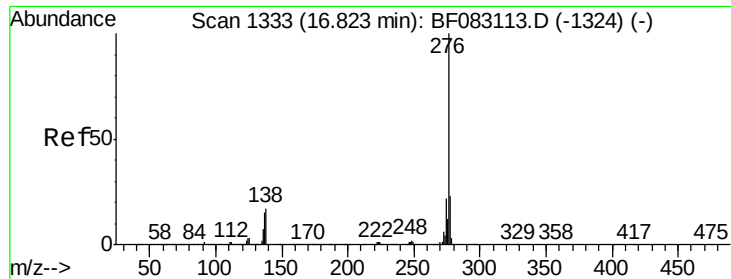


#89
Benzo(a)pyrene
Concen: 4.24 ng
RT: 15.09 min Scan# 1146
Delta R.T. -0.03 min
Lab File: BF083217.D
Acq: 23 Nov 2015 21:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	10.2	5.4	8.0

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#91
 Benzo(a,h,i)perylene
 Concen: 3.02 ng
 RT: 16.77 min Scan# 1293
 Delta R.T. -0.06 min
 Lab File: BF083217.D
 Acq: 23 Nov 2015 21:38

Instrument :
 BNA_F
 ClientSampleId :
 FILL-DIRT-2

Tot Ion	Ratio	Lower	Upper
276	100		
277	22.5	18.7	28.1
138	23.7	13.9	20.9

Manual Integrations
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