

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112315\
 Data File : BF083216.D
 Acq On : 23 Nov 2015 21:08
 Operator : UM/IZ
 Sample : G4512-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FILL-DIRT-1

Manual Integrations
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 11/24/2015 1:20:00 PM

Quant Time: Nov 24 06:21:26 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	212872	20.00	ng	-0.02
21) Naphthalene-d8	7.93	136	803876	20.00	ng	-0.02
38) Acenaphthene-d10	9.68	164	370959	20.00	ng	-0.02
63) Phenanthrene-d10	11.15	188	637790	20.00	ng	-0.02
75) Chrysene-d12	13.77	240	471396	20.00	ng	-0.03
86) Perylene-d12	15.14	264	417761	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	1281919	91.04	ng	-0.03
7) Phenol-d6	6.31	99	1796879	98.63	ng	-0.03
23) Nitrobenzene-d5	7.21	82	1117436	63.52	ng	-0.02
41) 2,4,6-Tribromophenol	10.47	330	350695	92.41	ng	-0.02
44) 2-Fluorobiphenyl	9.00	172	1637882	61.57	ng	-0.02
78) Terphenyl-d14	12.73	244	1295052	64.69	ng	-0.03
Target Compounds						
31) Naphthalene	7.95	128	152581	3.52	ng	Qvalue 98
49) Dimethylphthalate	9.40	163	321397	11.25	ng	100
70) Phenanthrene	11.18	178	130315	3.55	ng	97
74) Fluoranthene	12.35	202	243518	6.48	ng	97
77) Pyrene	12.58	202	235814	7.32	ng	96
80) Benzo(a)anthracene	13.76	228	109212m	3.75	ng	
82) Chrysene	13.79	228	92528	3.42	ng	96
85) Indeno(1,2,3-cd)pyrene	16.39	276	53947	2.19	ng	93
87) Benzo(b)fluoranthene	14.77	252	111398m	3.90	ng	
88) Benzo(k)fluoranthene	14.78	252	47714m	2.24	ng	
89) Benzo(a)pyrene	15.09	252	87103	3.70	ng	# 95
91) Benzo(a,h,i)perylene	16.77	276	59029	2.82	ng	# 96

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

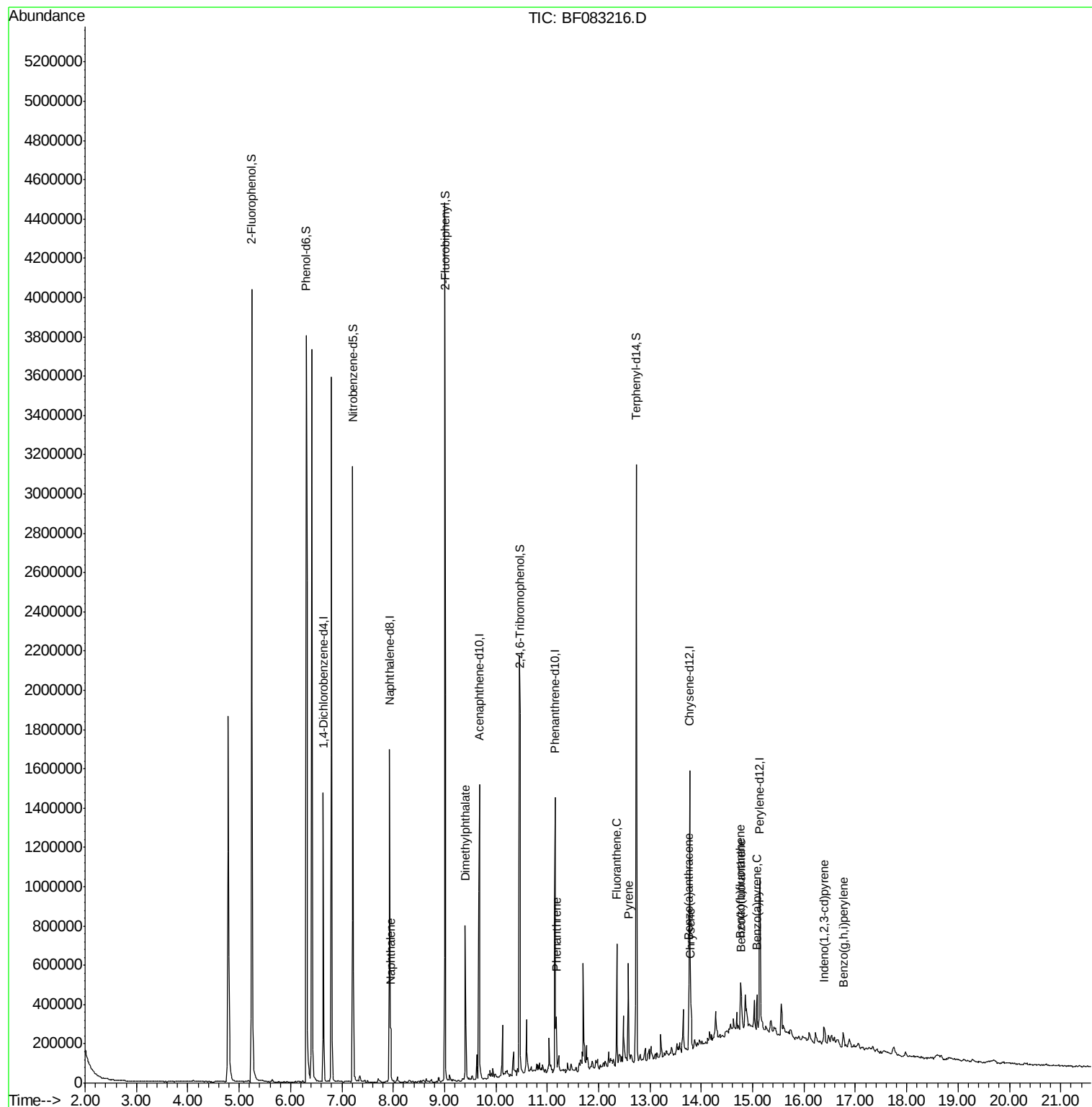
Data Path : Z:\HPCHEM1\BNA F\DATA\BF112315\
Data File : BF083216.D
Acq On : 23 Nov 2015 21:08
Operator : UM/IZ
Sample : G4512-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

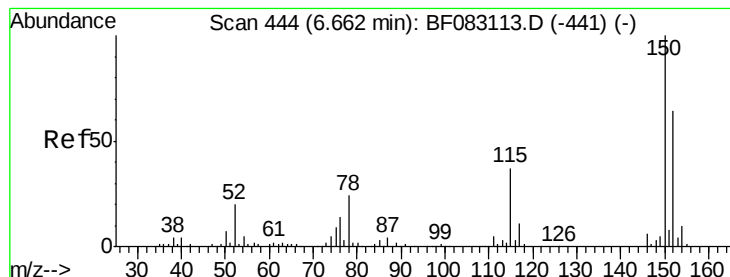
Instrument :
BNA_F
ClientSampleId :
FILL-DIRT-1

Manual Integrations
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11/24/2015 1:20:00 PM

Quant Time: Nov 24 06:21:26 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





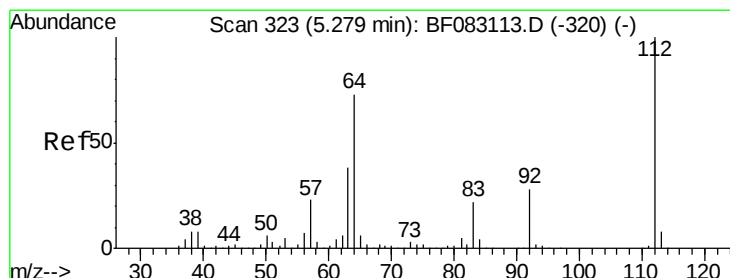
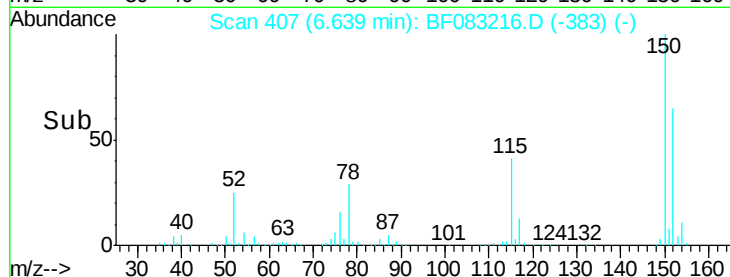
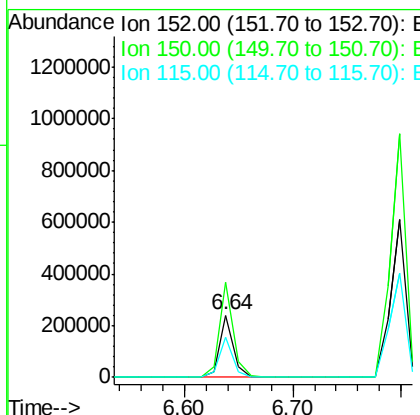
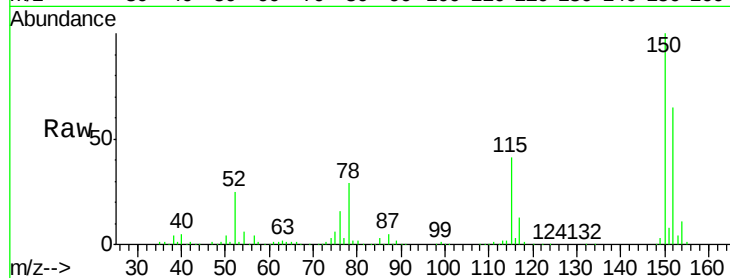
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.64 min Scan# 407
 Delta R.T. -0.02 min
 Lab File: BF083216.D
 Acq: 23 Nov 2015 21:08

Instrument :
 BNA_F
 ClientSampleId :
 FILL-DIRT-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.0	125.8	188.8
115	63.9	46.9	70.3

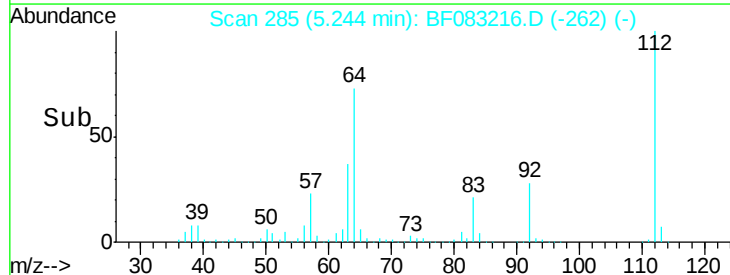
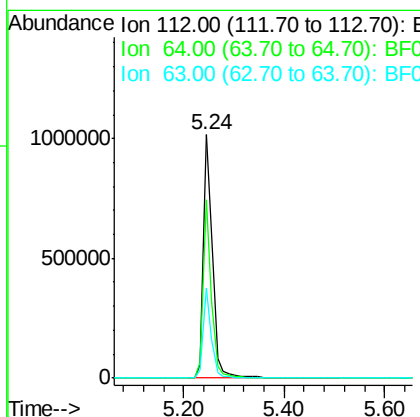
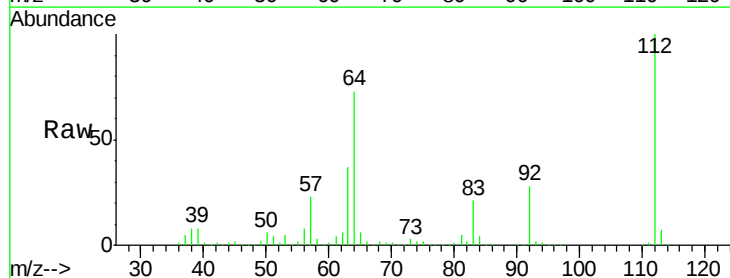
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#5
 2-Fluorophenol
 Concen: 91.04 ng
 RT: 5.24 min Scan# 285
 Delta R.T. -0.03 min
 Lab File: BF083216.D
 Acq: 23 Nov 2015 21:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	73.2	58.4	87.6
63	37.2	30.0	45.0





#7

Phenol-d6

Concen: 98.63 ng

RT: 6.31 min Scan# 378

Delta R.T. -0.03 min

Lab File: BF083216.D

Acq: 23 Nov 2015 21:08

Instrument :

BNA_F

ClientSampleId :

FILL-DIRT-1

Tot Ion: 99 Resp: 1796879

Ion Ratio Lower Upper

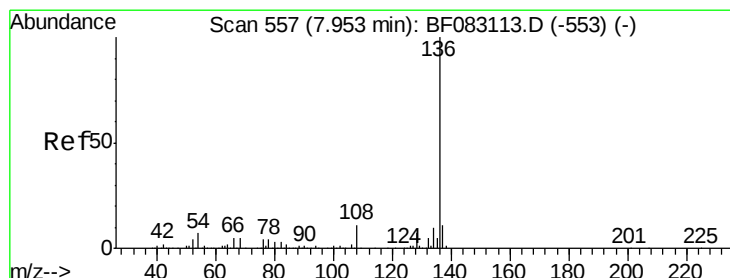
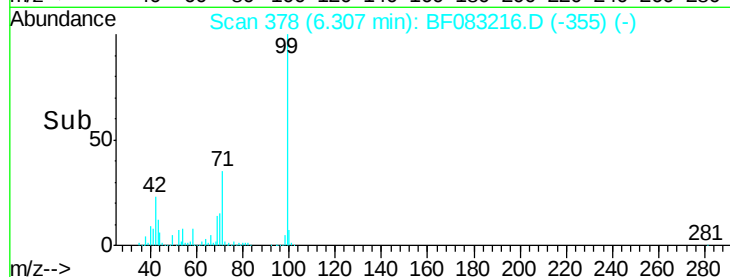
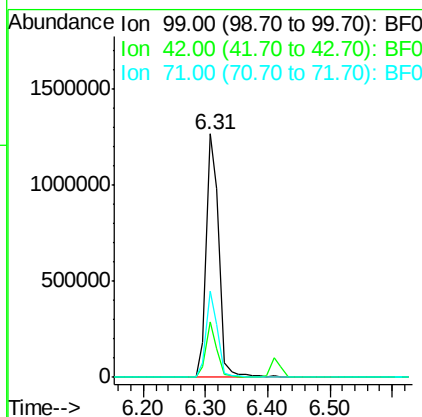
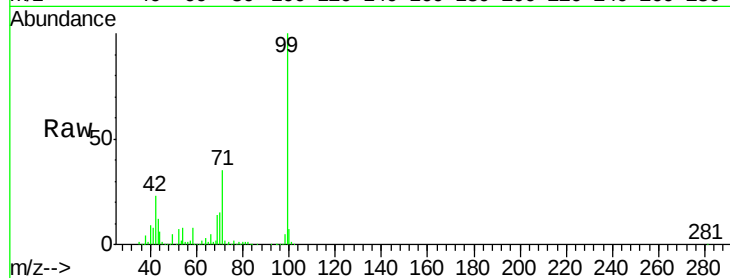
99 100

42 22.8 17.7 26.5

71 35.4 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: BF083216.D

Acq: 23 Nov 2015 21:08

Tgt Ion: 136 Resp: 803876

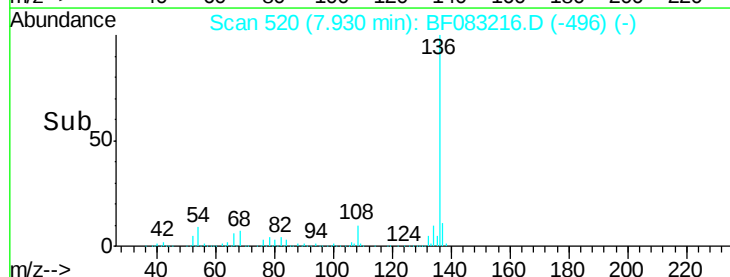
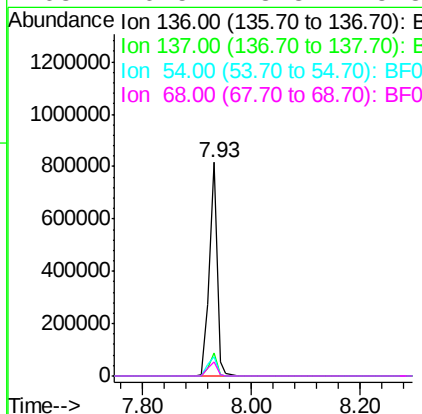
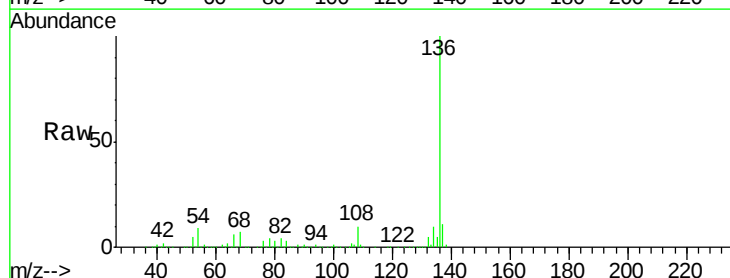
Ion Ratio Lower Upper

136 100

137 10.8 8.7 13.1

54 9.1 5.8 8.6#

68 6.5 3.8 5.8#





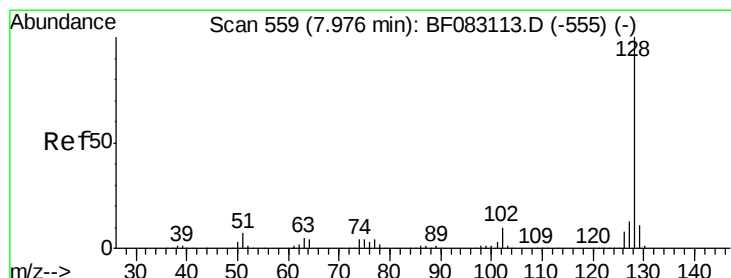
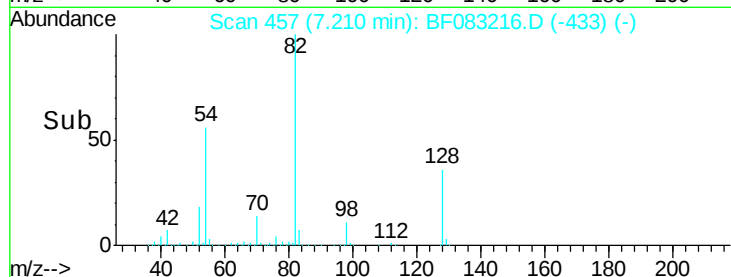
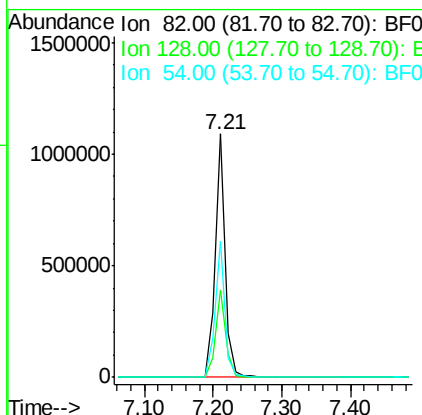
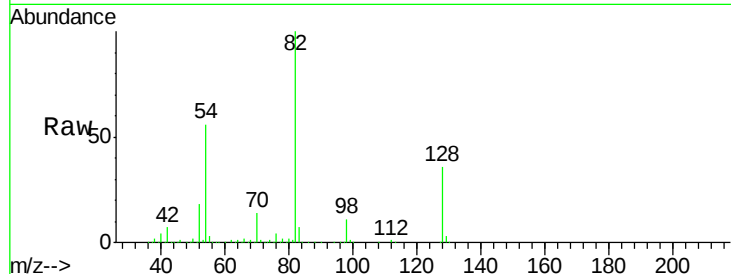
#23
 Nitrobenzene-d5
 Concen: 63.52 ng
 RT: 7.21 min Scan# 457
 Delta R.T. -0.02 min
 Lab File: BF083216.D
 Acq: 23 Nov 2015 21:08

Instrument :
 BNA_F
 ClientSampleId :
 FILL-DIRT-1

Tot Ion	82	Resp	1117436
Ion Ratio	Lower	Upper	
82	100		
128	36.0	28.5	42.7
54	55.9	44.6	67.0

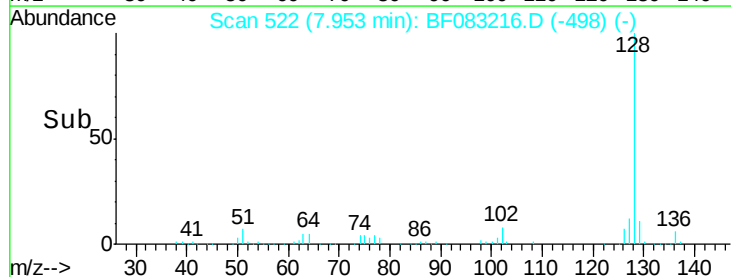
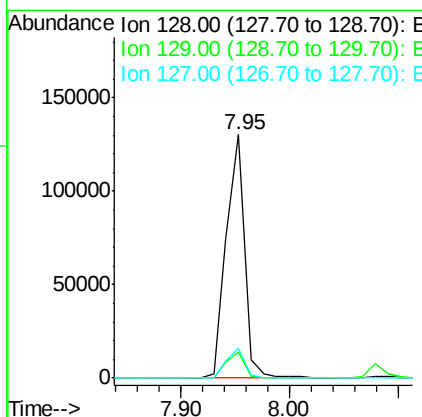
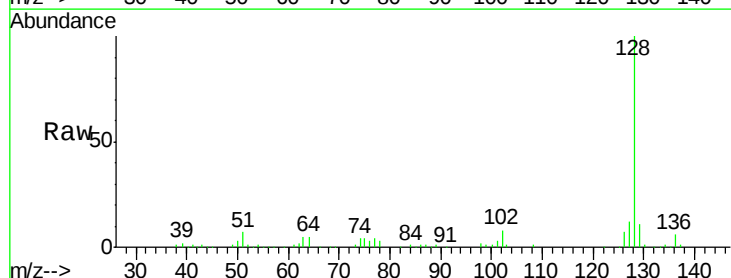
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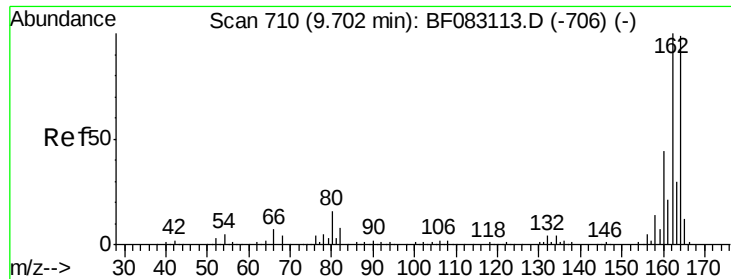
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#31
 Naphthalene
 Concen: 3.52 ng
 RT: 7.95 min Scan# 522
 Delta R.T. -0.02 min
 Lab File: BF083216.D
 Acq: 23 Nov 2015 21:08

Tgt Ion	128	Resp	152581
Ion Ratio	Lower	Upper	
128	100		
129	10.7	9.0	13.4
127	12.2	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: BF083216.D

Acq: 23 Nov 2015 21:08

Instrument :

BNA_F

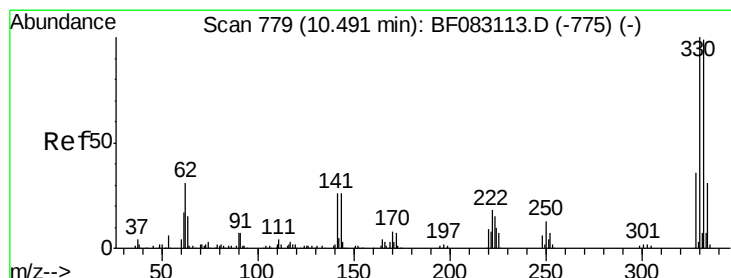
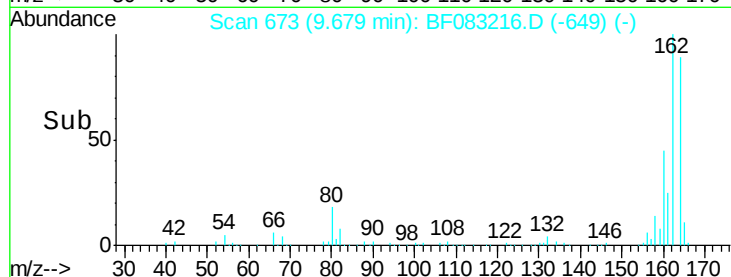
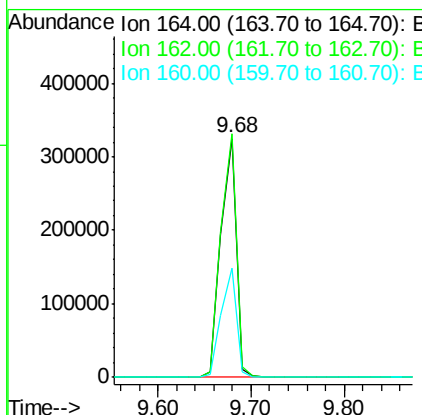
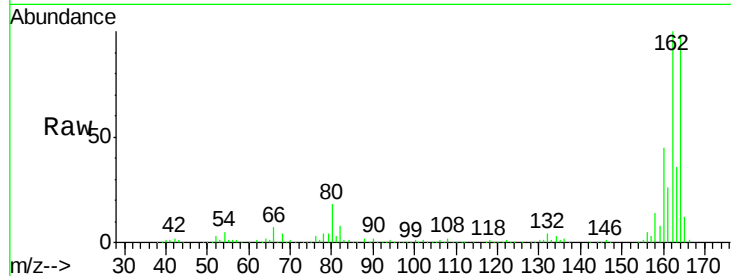
ClientSampleId :

FILL-DIRT-1

Tot Ion:	164	Resp:	370959
Ion Ratio	Lower	Upper	
164	100		
162	102.0	81.2	121.8
160	45.7	35.6	53.4

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#41

2,4,6-Tribromophenol

Concen: 92.41 ng

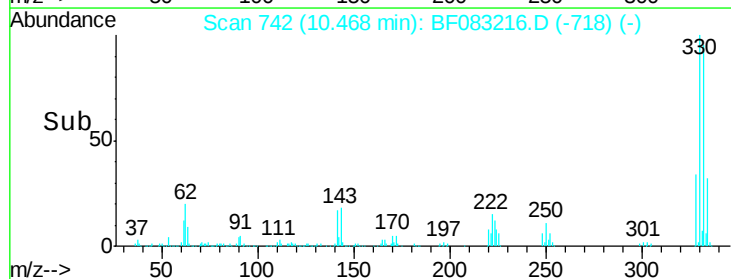
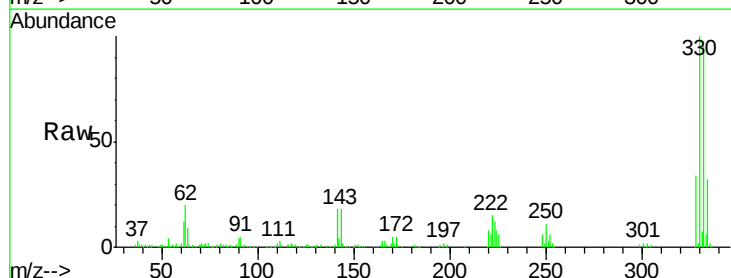
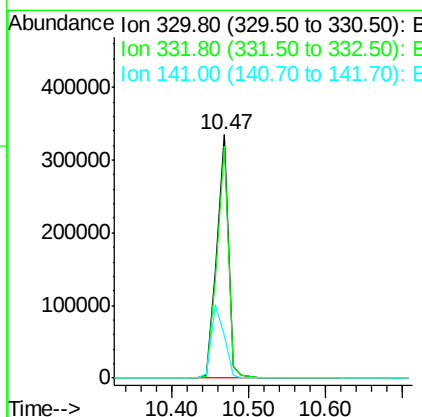
RT: 10.47 min Scan# 742

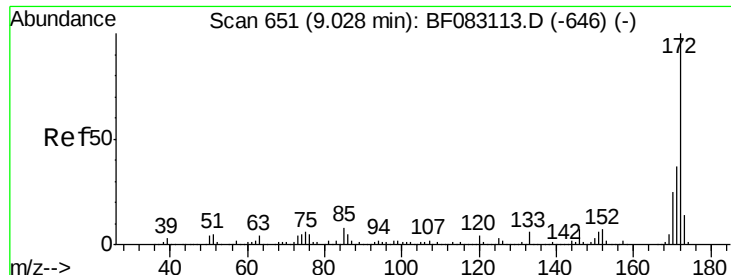
Delta R.T. -0.02 min

Lab File: BF083216.D

Acq: 23 Nov 2015 21:08

Tgt Ion:	330	Resp:	350695
Ion Ratio	Lower	Upper	
330	100		
332	94.3	77.7	116.5
141	34.1	29.7	44.5





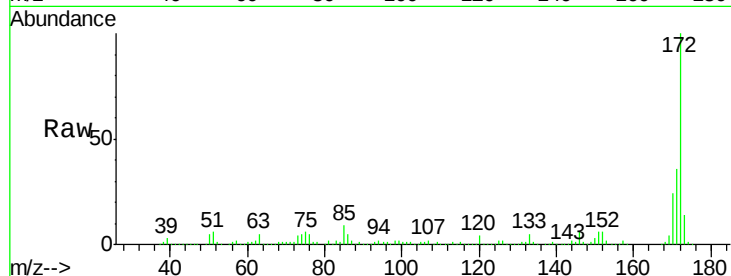
#44
2-Fluorobiphenyl
Concen: 61.57 ng
RT: 9.00 min Scan# 614
Delta R.T. -0.02 min
Lab File: BF083216.D
Acq: 23 Nov 2015 21:08

Instrument :
BNA_F
ClientSampleId :
FILL-DIRT-1

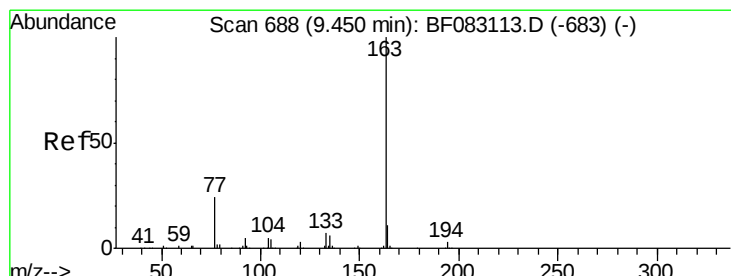
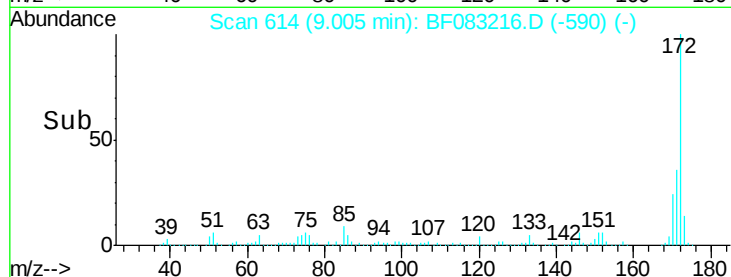
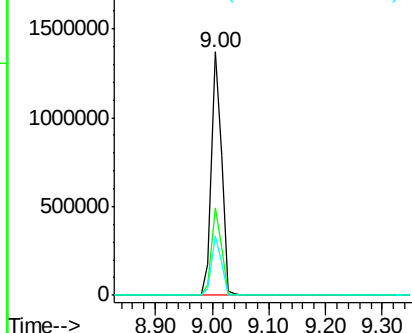
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.5	44.3
170	24.5	19.9	29.9

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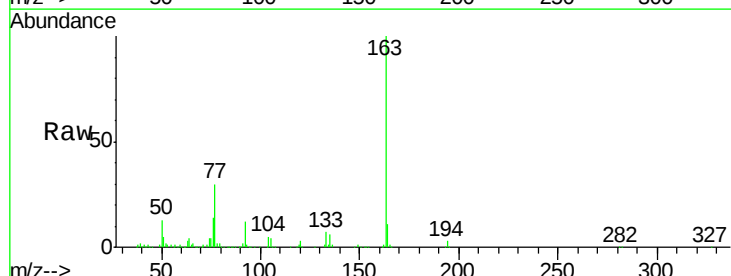


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

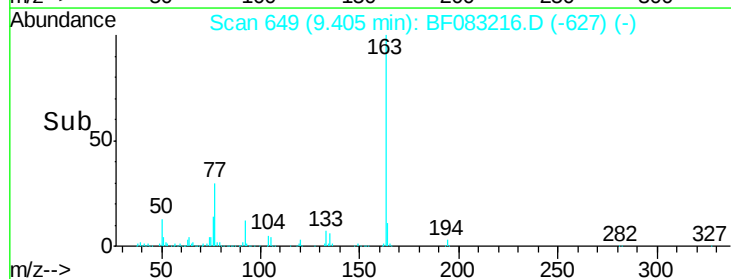
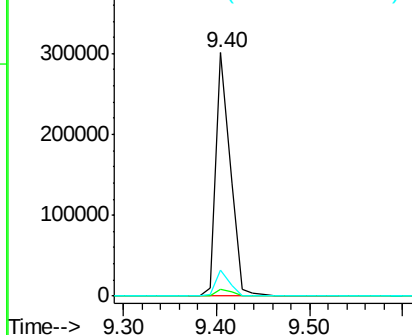


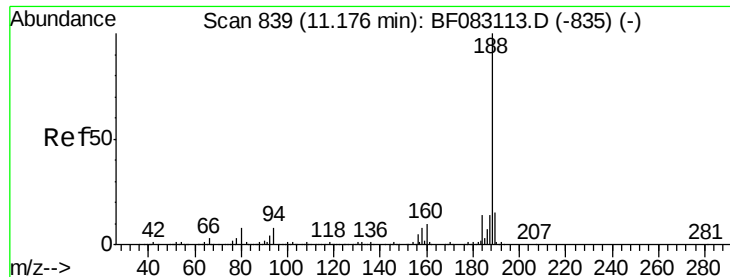
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Dimethylphthalate
Concen: 11.25 ng
RT: 9.40 min Scan# 649
Delta R.T. -0.05 min
Lab File: BF083216.D
Acq: 23 Nov 2015 21:08

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.0	2.6	4.0
164	10.8	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





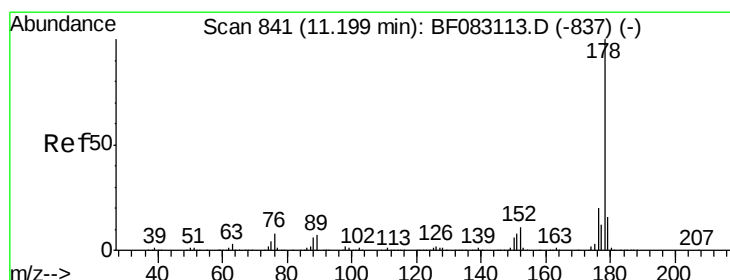
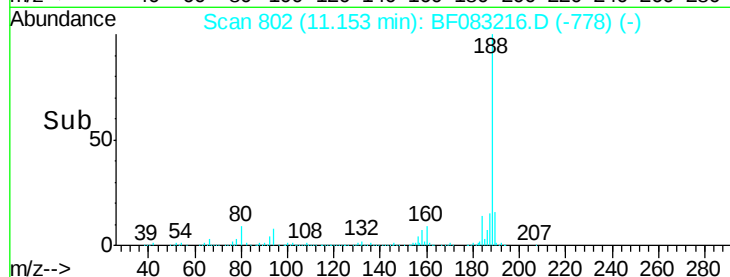
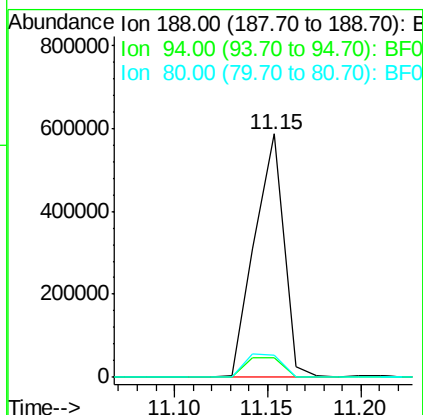
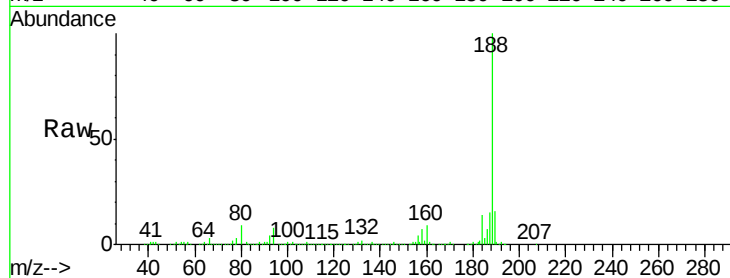
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.15 min Scan# 802
Delta R.T. -0.02 min
Lab File: BF083216.D
Acq: 23 Nov 2015 21:08

Instrument :
BNA_F
ClientSampleId :
FILL-DIRT-1

Tot Ion	Ratio	Resp	Lower	Upper
188	100	637790		
94	7.8		6.0	9.0
80	9.0		6.7	10.1

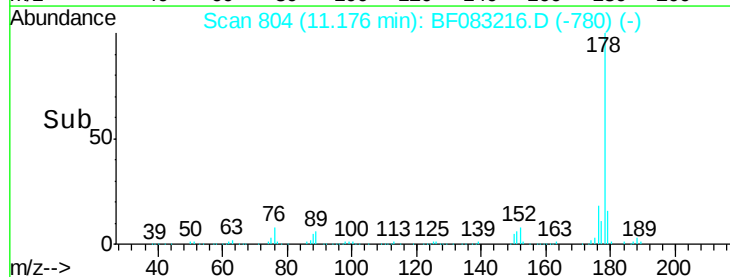
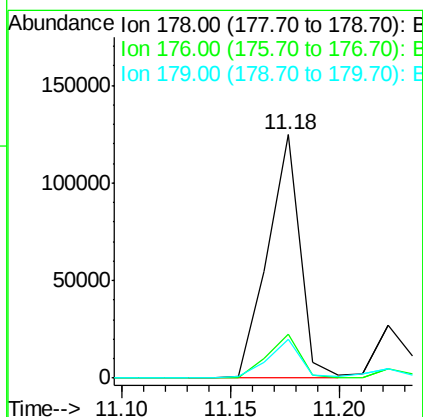
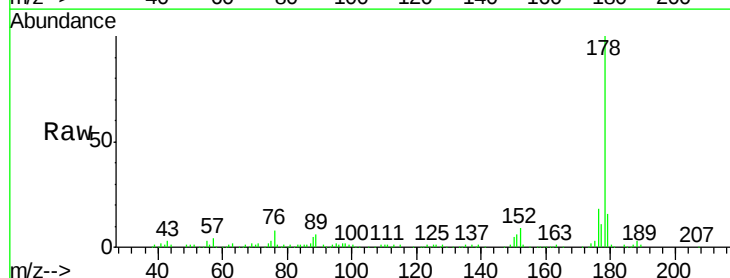
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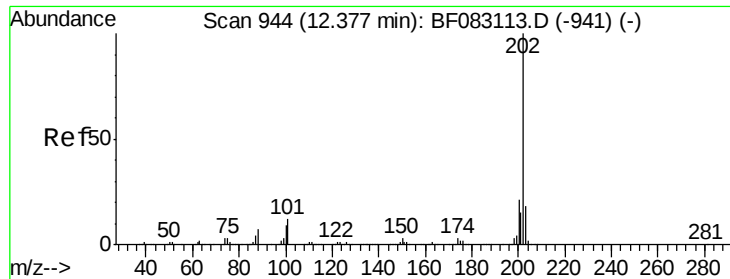
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#70
Phenanthrene
Concen: 3.55 ng
RT: 11.18 min Scan# 804
Delta R.T. -0.02 min
Lab File: BF083216.D
Acq: 23 Nov 2015 21:08

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	130315		
176	18.0		16.2	24.2
179	15.7		12.8	19.2





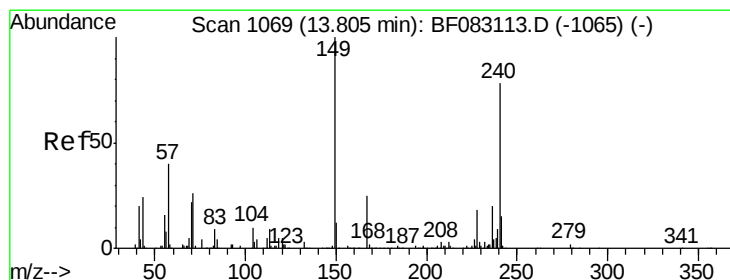
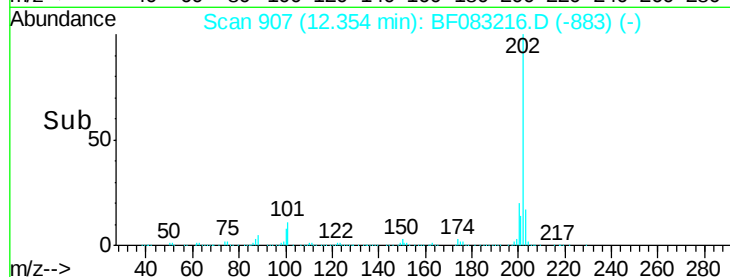
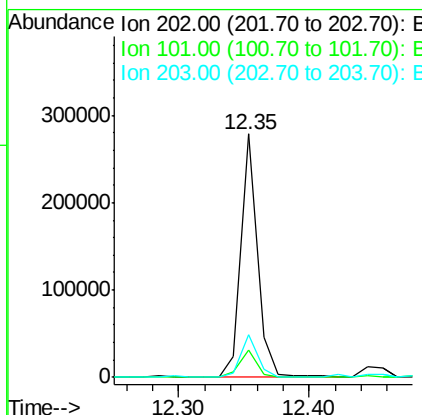
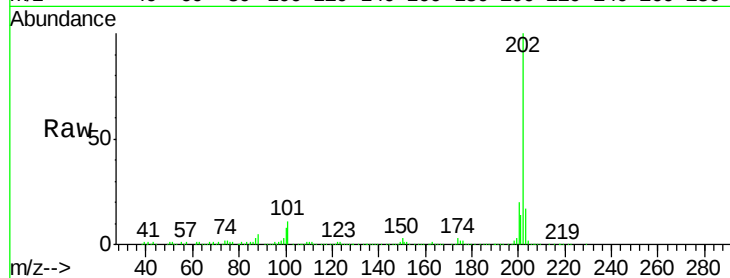
#74
Fluoranthene
Concen: 6.48 ng
RT: 12.35 min Scan# 907
Delta R.T. -0.02 min
Lab File: BF083216.D
Acq: 23 Nov 2015 21:08

Instrument :
BNA_F
ClientSampleId :
FILL-DIRT-1

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.1	0.0	32.3
203	17.3	0.0	38.4

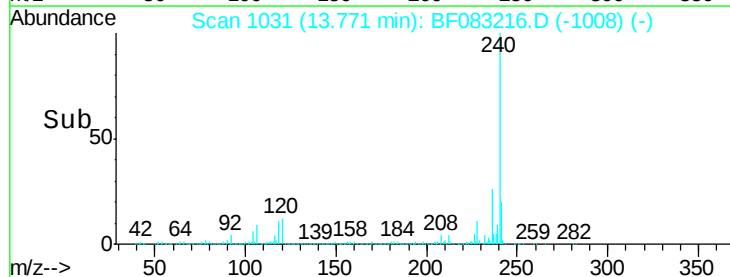
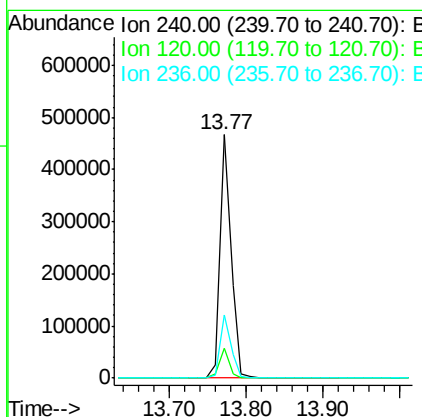
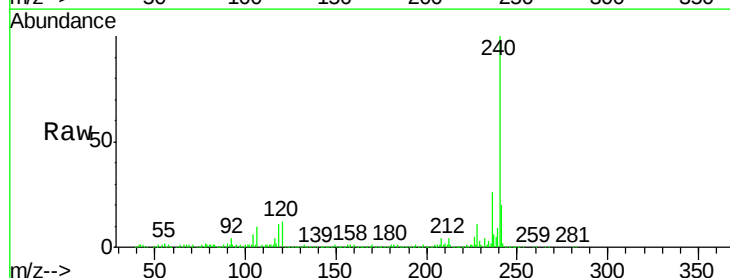
Manual Integrations
APPROVED

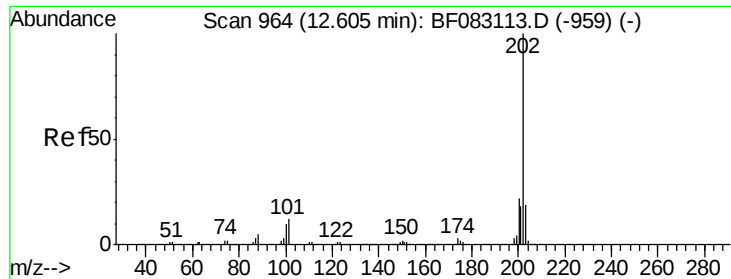
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#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.77 min Scan# 1031
Delta R.T. -0.03 min
Lab File: BF083216.D
Acq: 23 Nov 2015 21:08

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	12.4	5.4	8.2#
236	26.0	20.6	31.0





#77

Pvrene

Concen: 7.32 ng

RT: 12.58 min Scan# 927

Delta R.T. -0.02 min

Lab File: BF083216.D

Acq: 23 Nov 2015 21:08

Instrument :

BNA_F

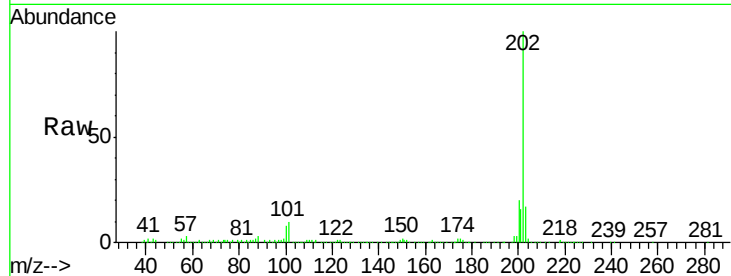
ClientSampleId :

FILL-DIRT-1

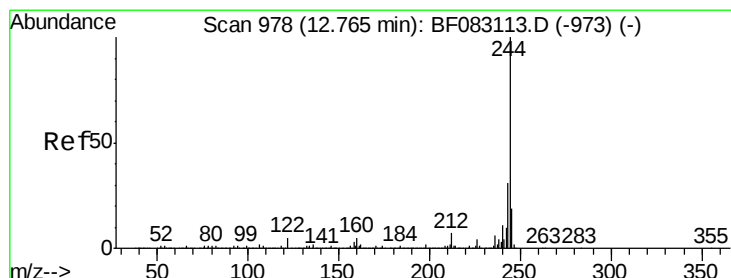
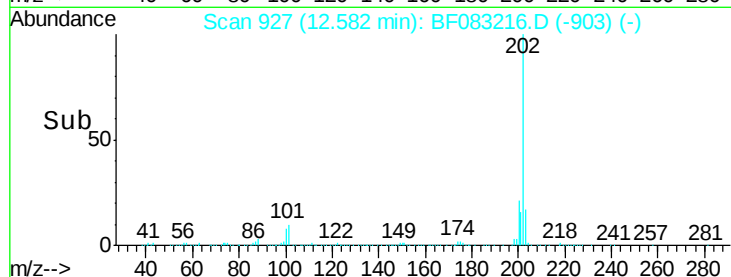
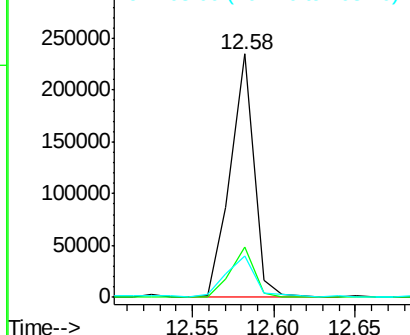
Tot Ion:	202	Resp:	235814
Ion Ratio		Lower	Upper
202	100		
200	20.5	17.8	26.6
203	17.0	15.0	22.4

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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



#78

Terphenyl-d14

Concen: 64.69 ng

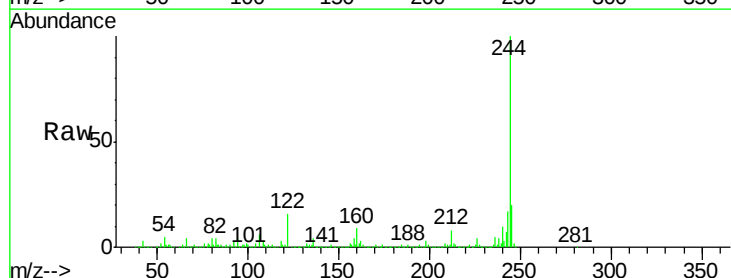
RT: 12.73 min Scan# 940

Delta R.T. -0.03 min

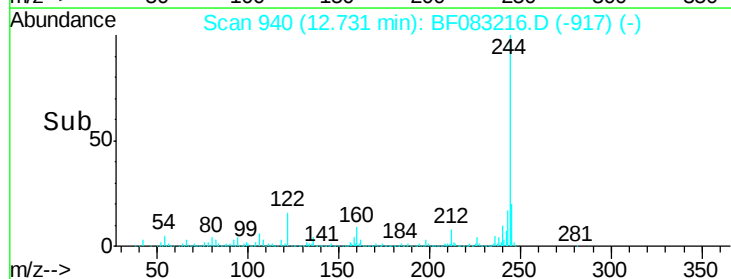
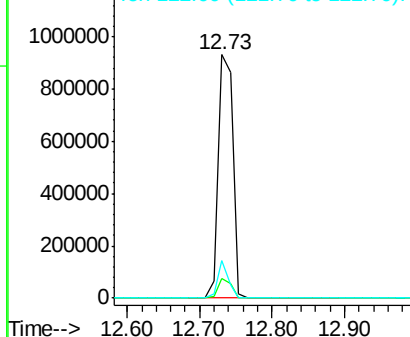
Lab File: BF083216.D

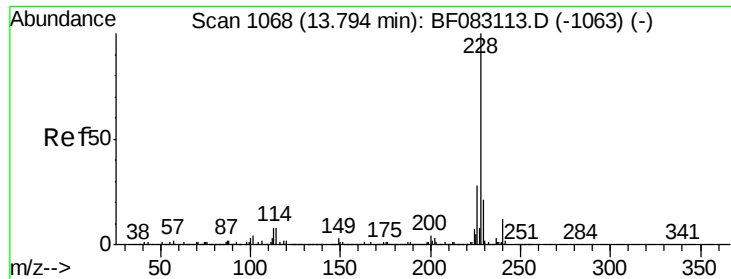
Acq: 23 Nov 2015 21:08

Tgt Ion:	244	Resp:	1295052
Ion Ratio		Lower	Upper
244	100		
212	8.1	5.4	8.2
122	15.6	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





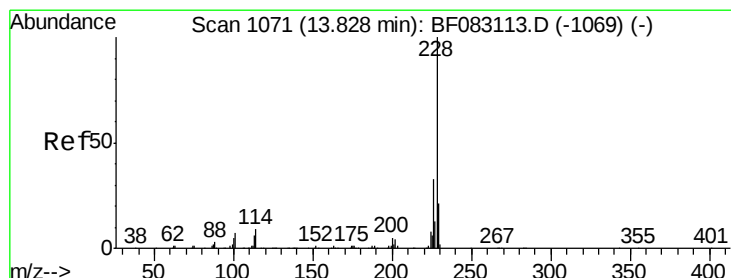
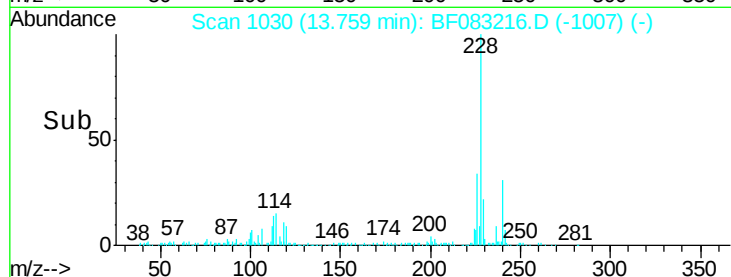
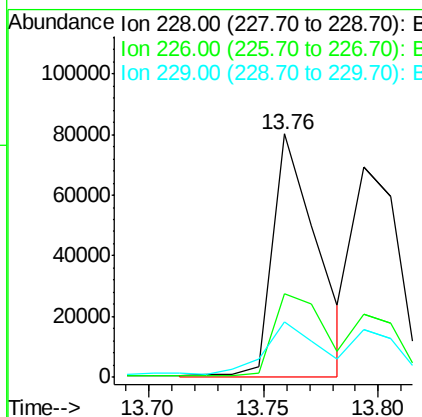
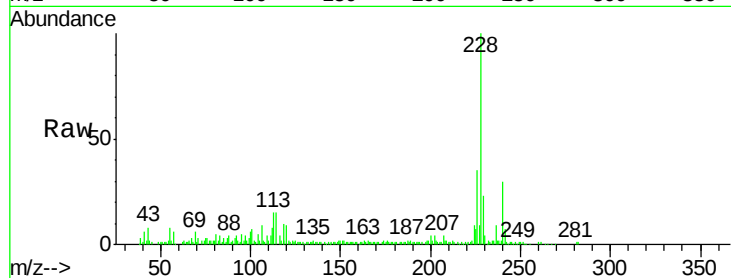
#80
Benzo(a)anthracene
Concen: 3.75 ng m
RT: 13.76 min Scan# 1030
Delta R.T. -0.03 min
Lab File: BF083216.D
Acq: 23 Nov 2015 21:08

Instrument :
BNA_F
ClientSampleId :
FILL-DIRT-1

Tot Ion	Ratio	Lower	Upper
228	100		
226	34.6	22.6	33.8#
229	22.6	16.6	24.8

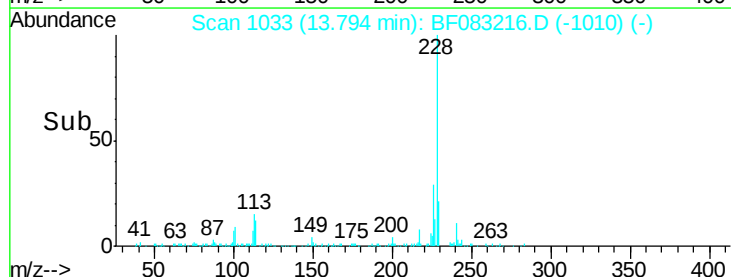
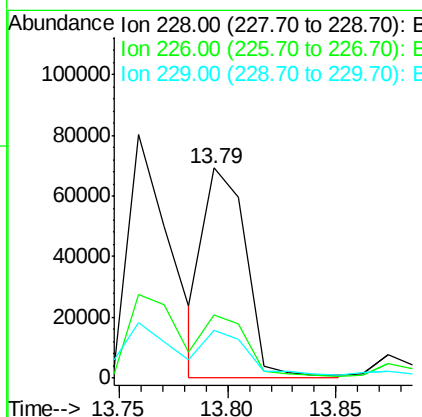
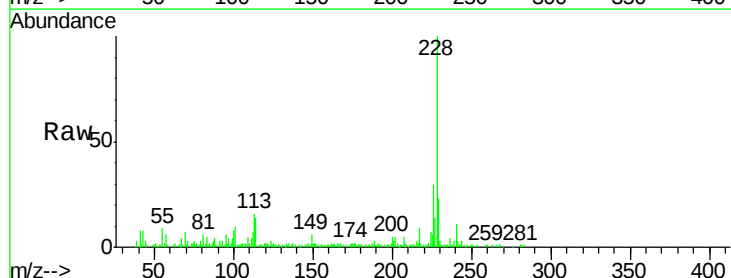
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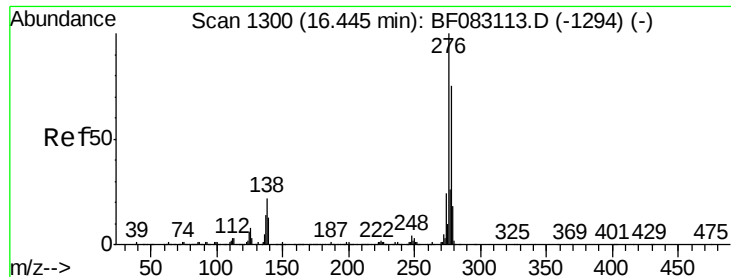
Mmdadoda
11/24/2015 1:20:00 PM



#82
Chrysene
Concen: 3.42 ng
RT: 13.79 min Scan# 1033
Delta R.T. -0.03 min
Lab File: BF083216.D
Acq: 23 Nov 2015 21:08

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	25.5	38.3
229	23.0	16.6	25.0





#85

Indeno(1,2,3-cd)pyrene

Concen: 2.19 ng

RT: 16.39 min Scan# 1260

Delta R.T. -0.06 min

Lab File: BF083216.D

Acq: 23 Nov 2015 21:08

Instrument :

BNA_F

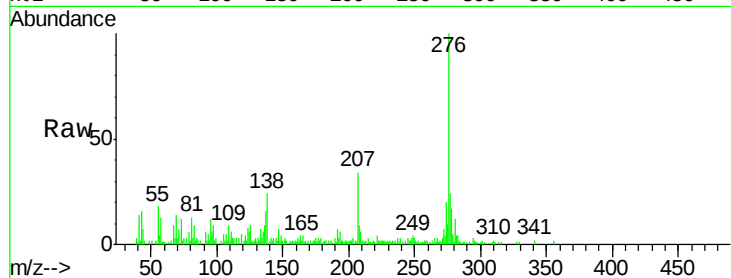
ClientSampleId :

FILL-DIRT-1

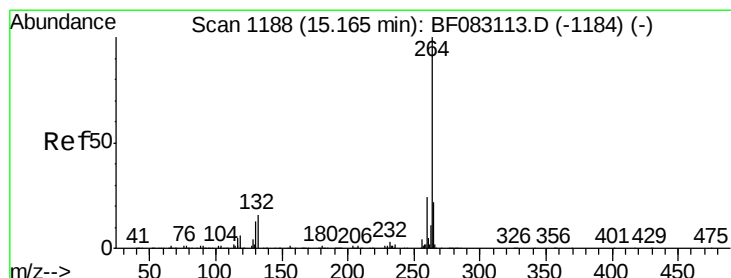
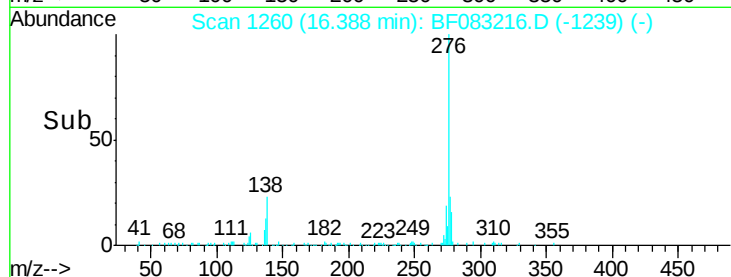
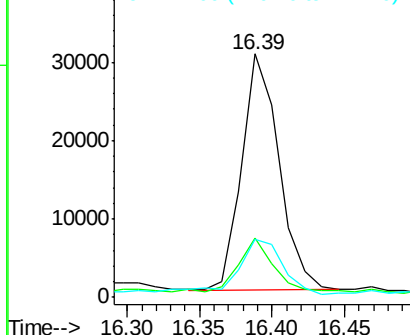
Tot Ion:	276	Resp:	53947
Ion Ratio	Lower	Upper	
276	100		
138	26.0	18.0	27.0
277	28.5	20.2	30.4

Manual Integrations
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Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

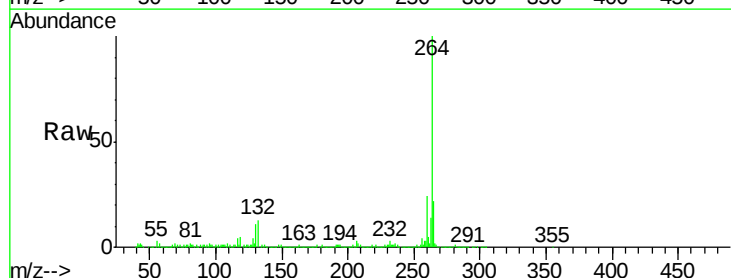
RT: 15.14 min Scan# 1151

Delta R.T. -0.02 min

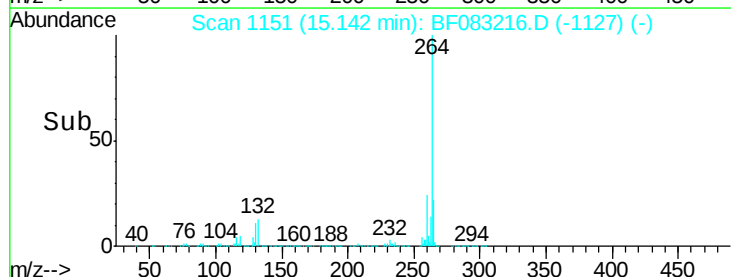
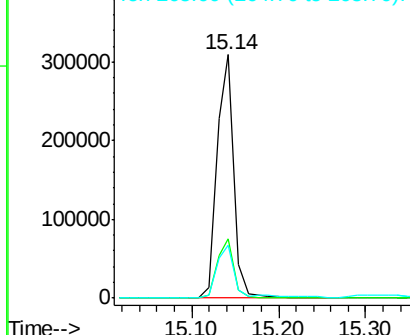
Lab File: BF083216.D

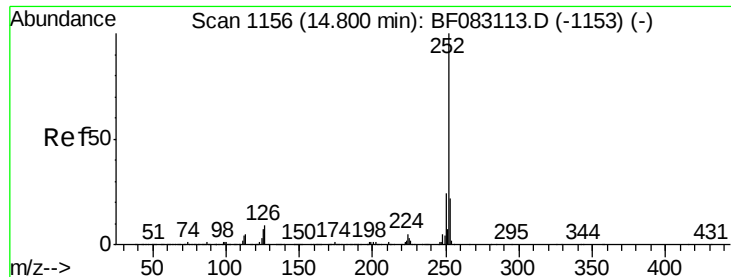
Acq: 23 Nov 2015 21:08

Tgt Ion:	264	Resp:	417761
Ion Ratio	Lower	Upper	
264	100		
260	24.3	19.1	28.7
265	21.8	18.2	27.4



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





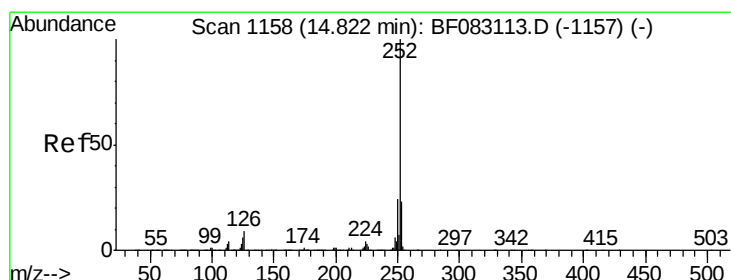
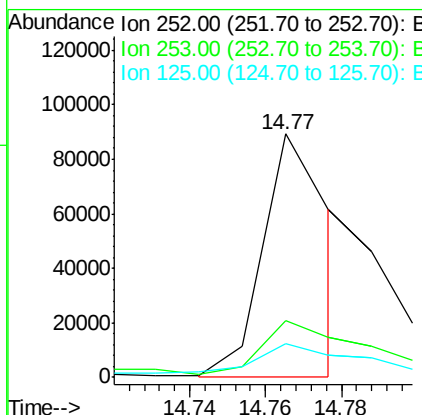
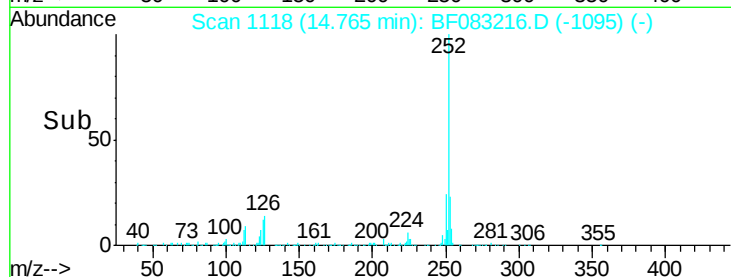
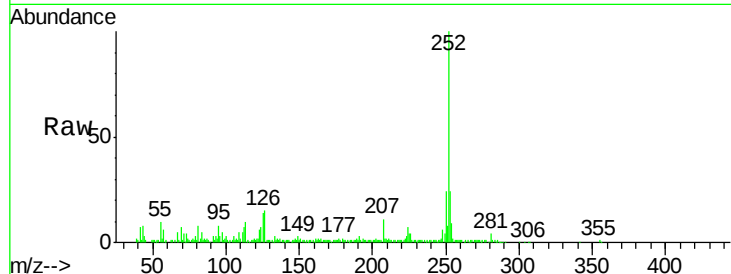
#87
Benzo(b)fluoranthene
Concen: 3.90 ng m
RT: 14.77 min Scan# 1118
Delta R.T. -0.03 min
Lab File: BF083216.D
Acq: 23 Nov 2015 21:08

Instrument :
BNA_F
ClientSampleId :
FILL-DIRT-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.7	26.5
125	13.8	5.6	8.4

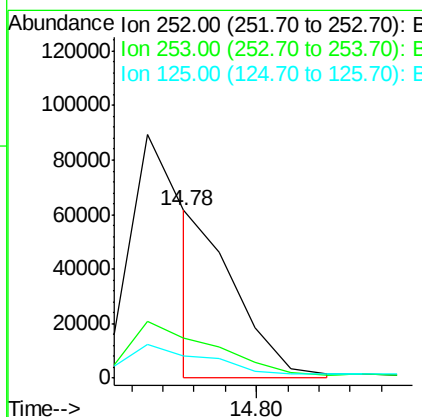
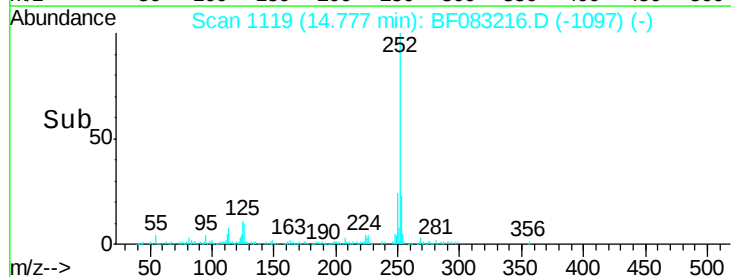
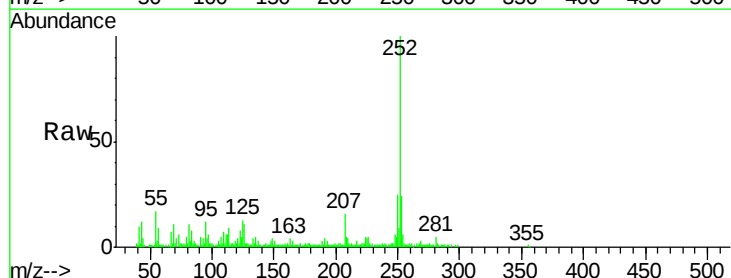
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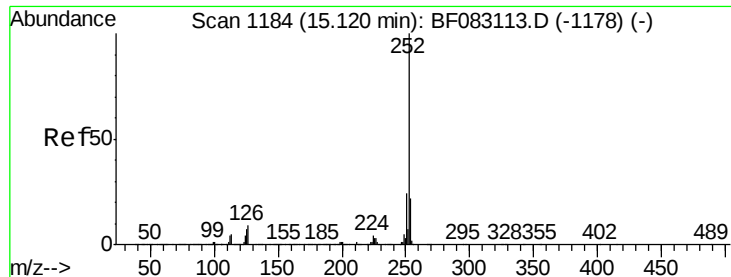
Mmdadoda
11/24/2015 1:20:00 PM



#88
Benzo(k)fluoranthene
Concen: 2.24 ng m
RT: 14.78 min Scan# 1119
Delta R.T. -0.05 min
Lab File: BF083216.D
Acq: 23 Nov 2015 21:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.2	27.2
125	13.1	6.8	10.2





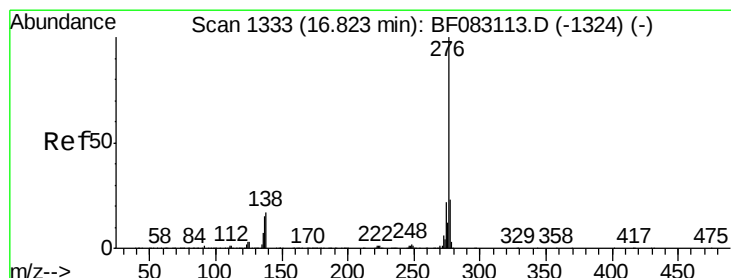
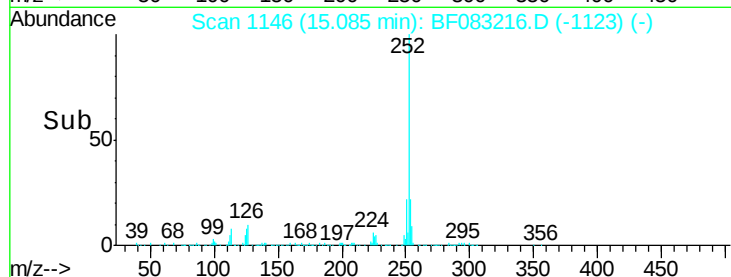
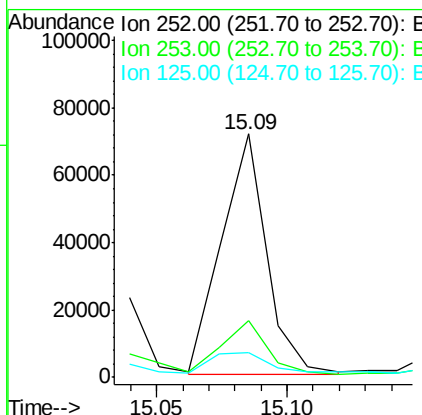
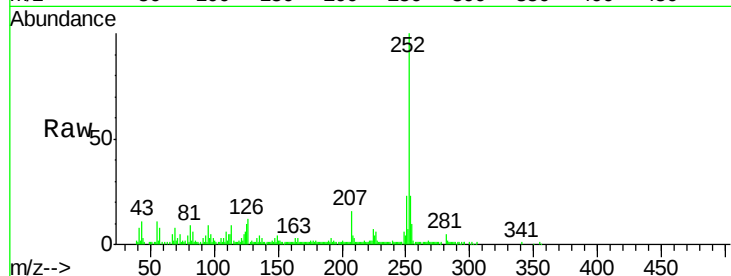
#89
Benzo(a)pyrene
Concen: 3.70 ng
RT: 15.09 min Scan# 1146
Delta R.T. -0.03 min
Lab File: BF083216.D
Acq: 23 Nov 2015 21:08

Instrument :
BNA_F
ClientSampleId :
FILL-DIRT-1

Tot Ion:	252	Resp:	87103
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.5	26.3
125	10.0	5.4	8.0#

Manual Integrations
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Mmdadoda
11/24/2015 1:20:00 PM



#91
Benzo(g,h,i)perylene
Concen: 2.82 ng
RT: 16.77 min Scan# 1293
Delta R.T. -0.06 min
Lab File: BF083216.D
Acq: 23 Nov 2015 21:08

Tgt Ion:	276	Resp:	59029
Ion Ratio	Lower	Upper	
276	100		
277	23.3	18.7	28.1
138	21.8	13.9	20.9#

