

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081815\
 Data File : BF081071.D
 Acq On : 19 Aug 2015 7:27
 Operator : UM/IZ
 Sample : G3292-01DL2 125X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 STOCKPILE8-12-15REUSEDL2

Manual Integrations
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Quant Time: Aug 19 08:07:44 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 17 17:57:25 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	58795	20.00	ng	-0.02
21) Naphthalene-d8	7.90	136	229085	20.00	ng	-0.01
38) Acenaphthene-d10	9.63	164	126274	20.00	ng	-0.02
63) Phenanthrene-d10	11.11	188	258458	20.00	ng	-0.02
75) Chrysene-d12	13.73	240	200272	20.00	ng	-0.02
86) Perylene-d12	15.07	264	153086	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.16	112	24702	6.32	ng	-0.02
7) Phenol-d6	6.24	99	39143	7.67	ng	-0.02
23) Nitrobenzene-d5	7.16	82	23697	4.73	ng	-0.02
41) 2,4,6-Tribromophenol	10.41	330	6318	5.77	ng	-0.03
44) 2-Fluorobiphenyl	8.97	172	34685	3.60	ng	-0.02
78) Terphenyl-d14	12.68	244	37280	3.99	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	7.91	128	31589	2.47	ng	100
51) Acenaphthene	9.67	154	35967	3.76	ng	97
54) Dibenzofuran	9.84	168	26103	2.04	ng	# 96
57) Fluorene	10.17	166	38997	3.95	ng	98
70) Phenanthrene	11.13	178	497744	32.50	ng	99
71) Anthracene	11.18	178	142917	9.59	ng	98
72) Carbazole	11.34	167	53212	3.71	ng	98
74) Fluoranthene	12.32	202	758324	45.88	ng	98
77) Pyrene	12.54	202	660237	40.55	ng	98
80) Benzo(a)anthracene	13.71	228	314827	23.44	ng	# 91
82) Chrysene	13.75	228	212455m	17.55	ng	
85) Indeno(1,2,3-cd)pyrene	16.27	276	82086	9.66	ng	94
87) Benzo(b)fluoranthene	14.71	252	124797m	11.52	ng	
88) Benzo(k)fluoranthene	14.71	252	183636m	18.20	ng	
89) Benzo(a)pyrene	15.02	252	152374	16.15	ng	95
90) Dibenzo(a,h)anthracene	16.29	278	19199m	2.61	ng	
91) Benzo(a,h,i)perylene	16.64	276	78111	10.47	ng	# 89

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

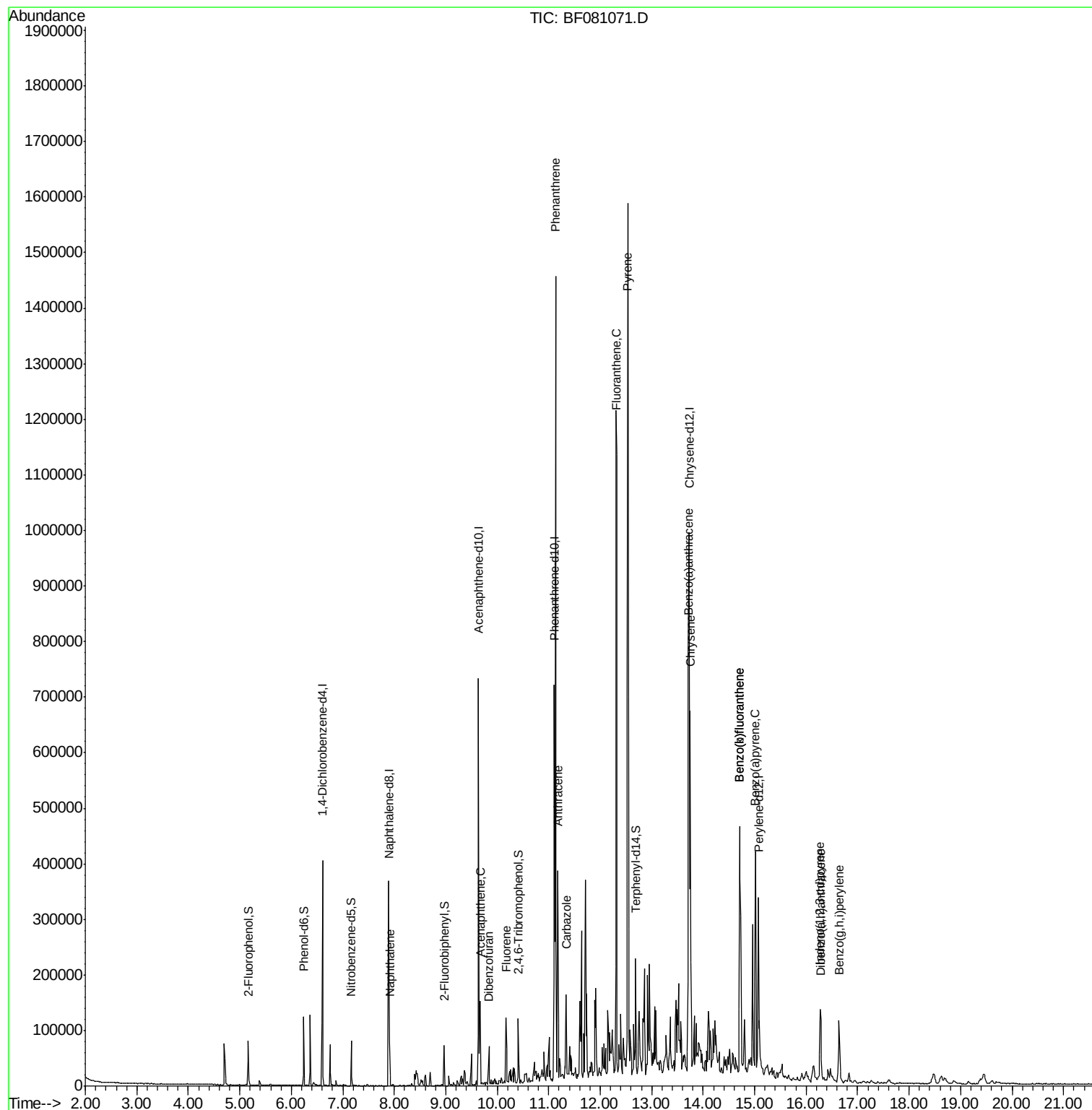
Data Path : Z:\HPCHEM1\BNA F\DATA\BF081815\
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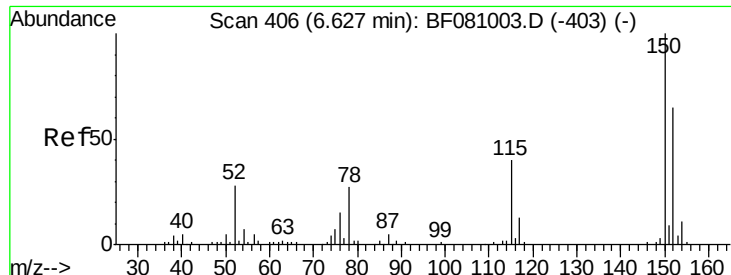
Instrument :
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STOCKPILE8-12-15REUSEDL2

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#1

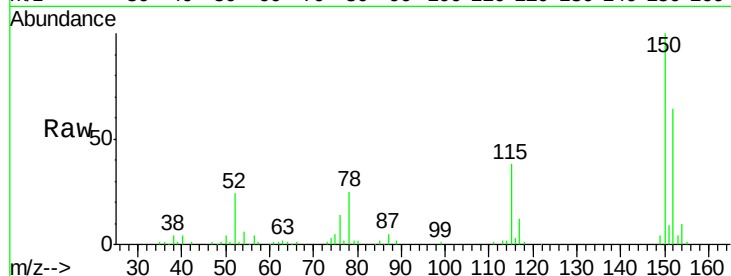
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.60 min Scan# 404
Delta R.T. -0.02 min
Lab File: BF081071.D
Acq: 19 Aug 2015 7:27

Instrument :
BNA_F
ClientSampleId :
STOCKPILE8-12-15REUSEDL2

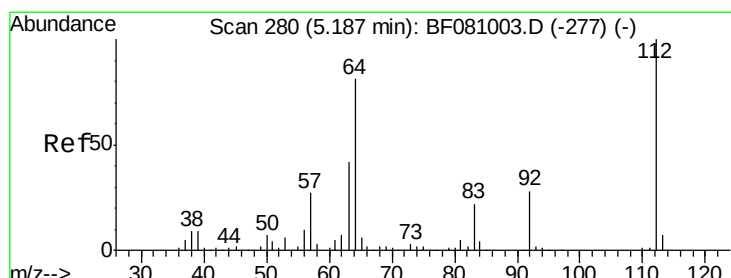
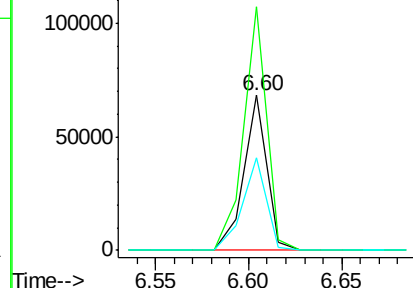
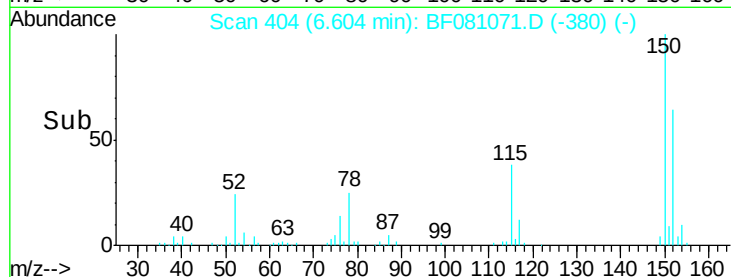
Tot Ion	Ratio	Resp	Lower	Upper
152	100			
150	157.0	123.8	185.6	
115	59.5	52.1	78.1	

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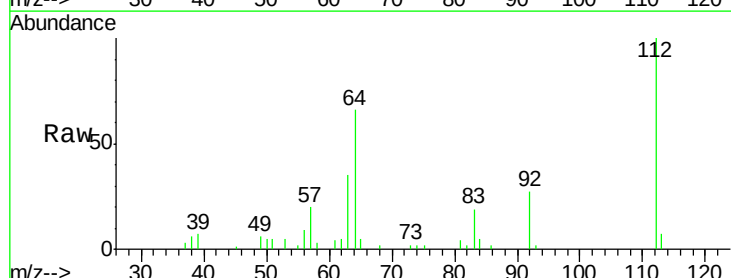
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



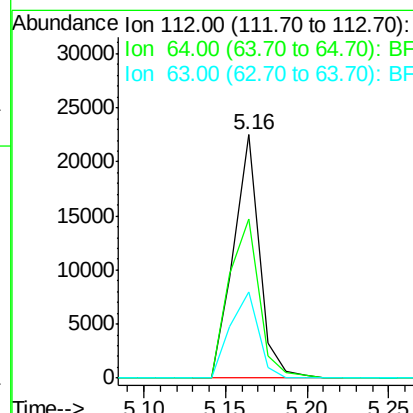
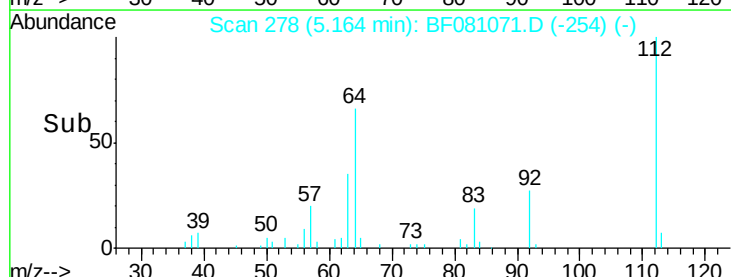
#5

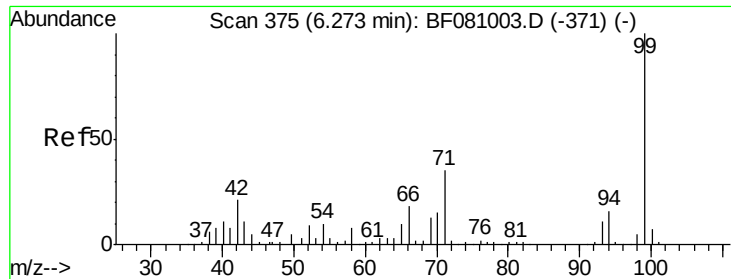
2-Fluorophenol
Concen: 6.32 ng
RT: 5.16 min Scan# 278
Delta R.T. -0.02 min
Lab File: BF081071.D
Acq: 19 Aug 2015 7:27

Tgt Ion	Ratio	Resp	Lower	Upper
112	100			
64	65.5	66.9	100.3#	
63	35.2	38.1	57.1#	



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: 7.67 ng

RT: 6.24 min Scan# 372

Delta R.T. -0.02 min

Lab File: BF081071.D

Acq: 19 Aug 2015 7:27

Instrument :

BNA_F

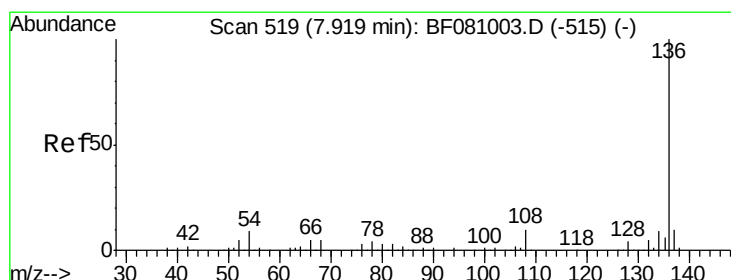
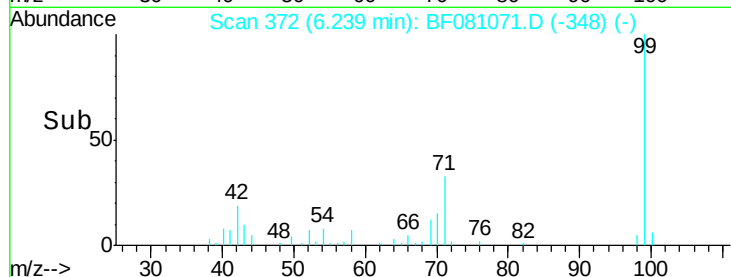
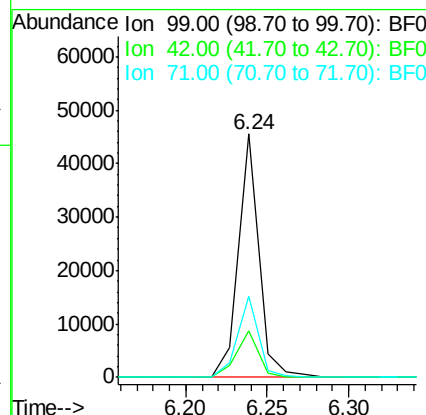
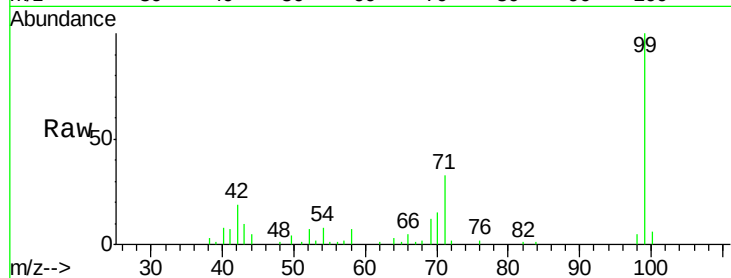
ClientSampleId :

STOCKPILE8-12-15REUSEDL2

Tot Ion:	99	Resp:	39143
Ion Ratio	Lower	Upper	
99	100		
42	19.0	19.6	29.4#
71	33.1	31.2	46.8

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#21

Naphthalene-d8

Concen: 20.00 ng

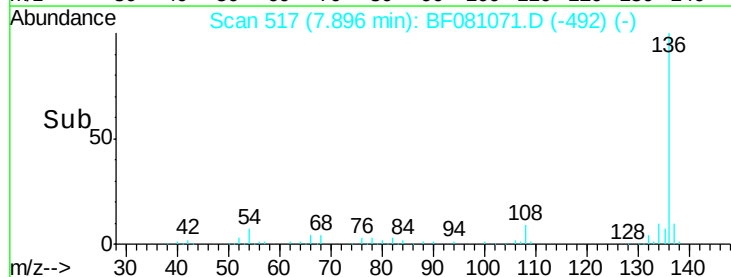
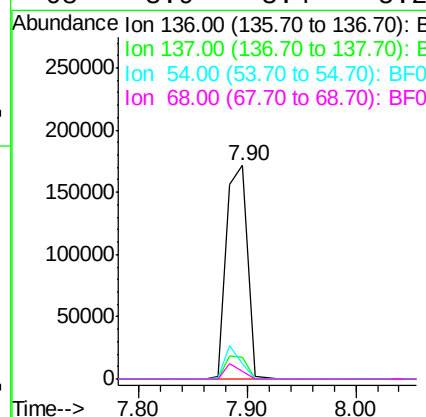
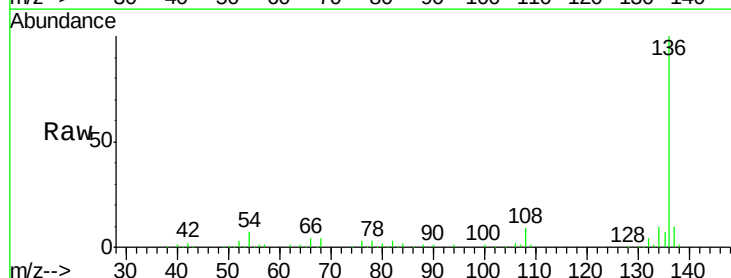
RT: 7.90 min Scan# 517

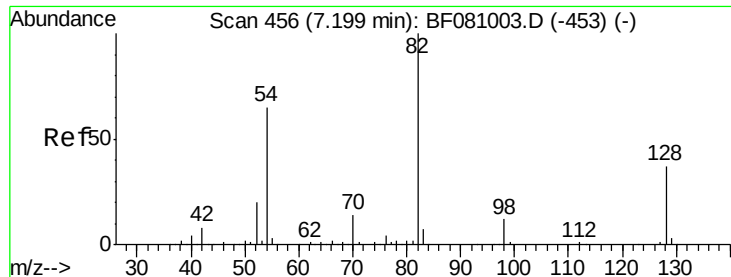
Delta R.T. -0.01 min

Lab File: BF081071.D

Acq: 19 Aug 2015 7:27

Tgt Ion:	136	Resp:	229085
Ion Ratio	Lower	Upper	
136	100		
137	10.3	8.2	12.2
54	7.0	7.7	11.5#
68	3.9	3.4	5.2





#23

Nitrobenzene-d5

Concen: 4.73 ng

RT: 7.16 min Scan# 453

Delta R.T. -0.02 min

Lab File: BF081071.D

Acq: 19 Aug 2015 7:27

Instrument :

BNA_F

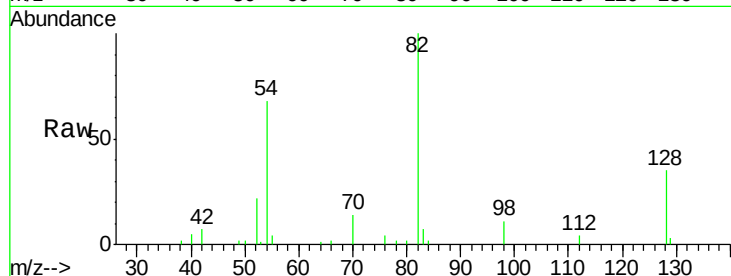
ClientSampleId :

STOCKPILE8-12-15REUSEDL2

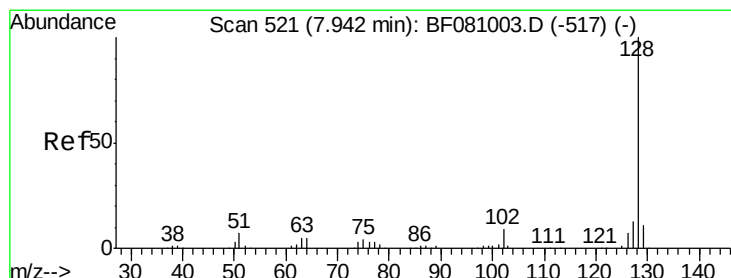
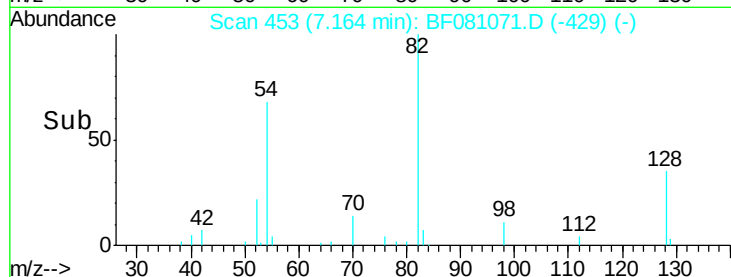
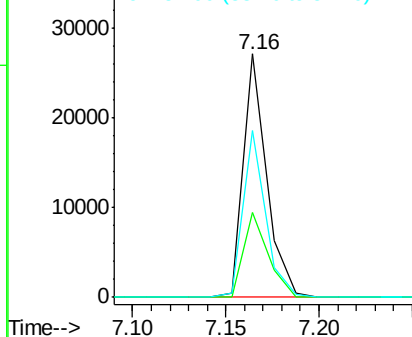
Tot Ion:	82	Resp:	23697
Ion Ratio	Lower	Upper	
82	100		
128	34.8	28.6	42.8
54	68.5	55.1	82.7

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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: 2.47 ng

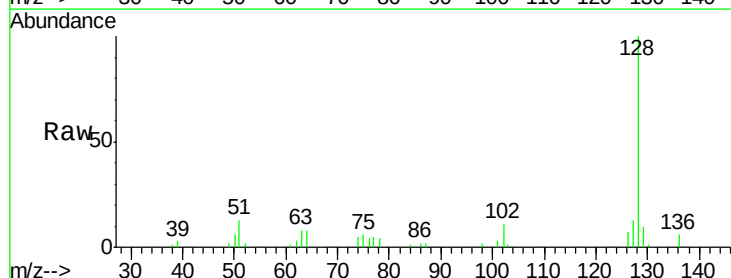
RT: 7.91 min Scan# 518

Delta R.T. -0.02 min

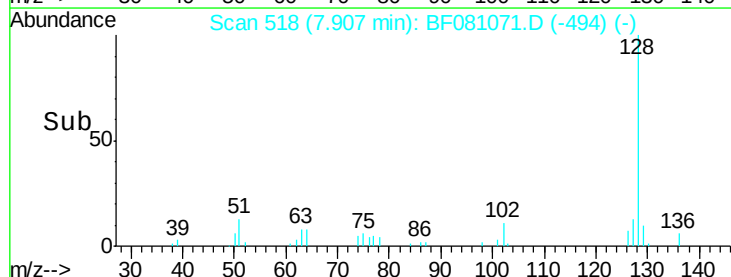
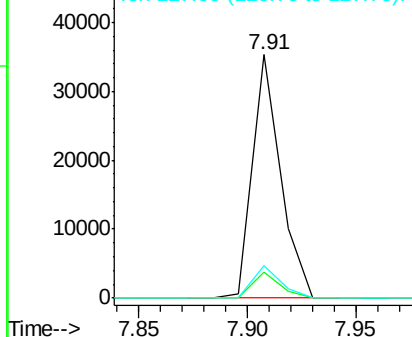
Lab File: BF081071.D

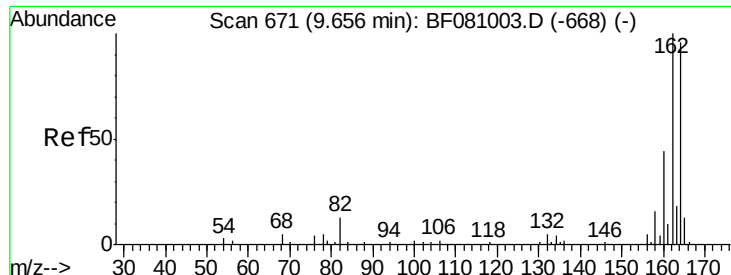
Acq: 19 Aug 2015 7:27

Tgt Ion:	128	Resp:	31589
Ion Ratio	Lower	Upper	
128	100		
129	10.5	8.4	12.6
127	13.3	10.6	16.0



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





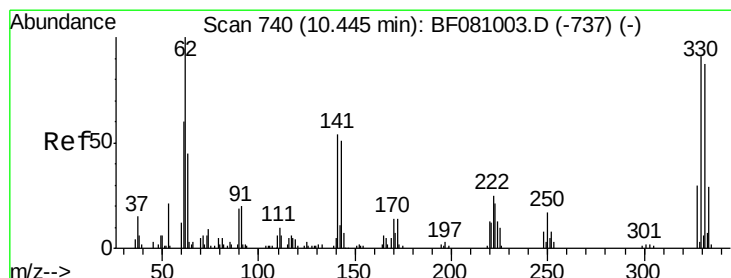
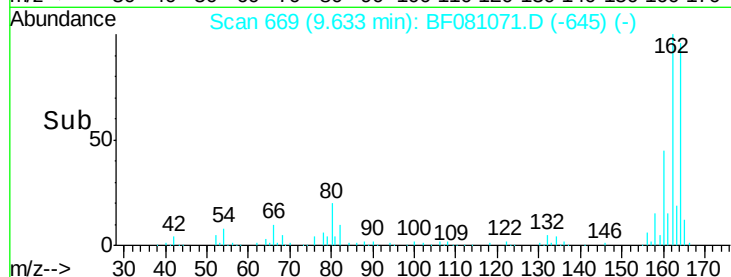
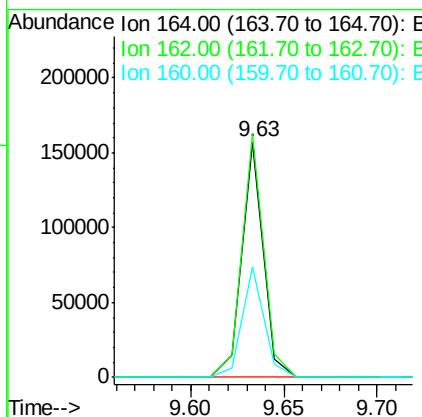
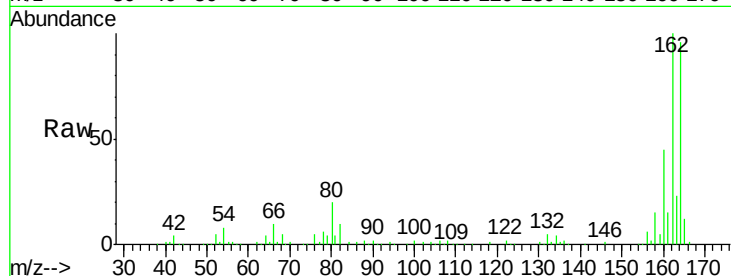
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.63 min Scan# 669
 Delta R.T. -0.02 min
 Lab File: BF081071.D
 Acq: 19 Aug 2015 7:27

Instrument :
 BNA_F
 ClientSampleId :
 STOCKPILE8-12-15REUSEDL2

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.6	83.8	125.8	
160	47.1	39.8	59.8	

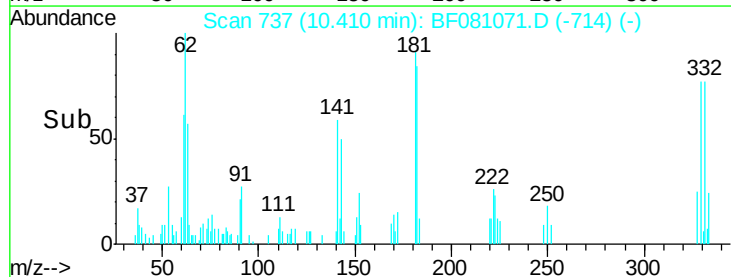
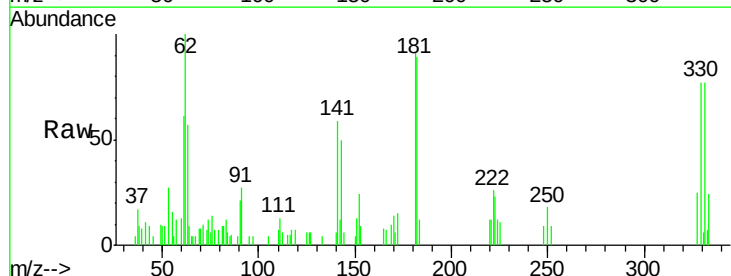
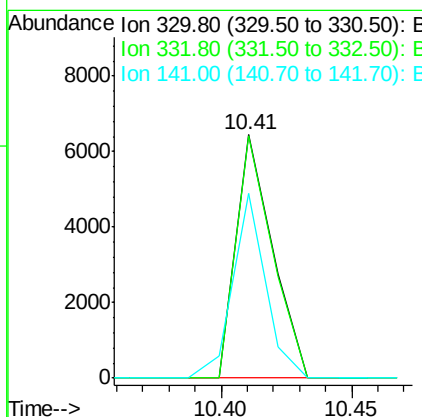
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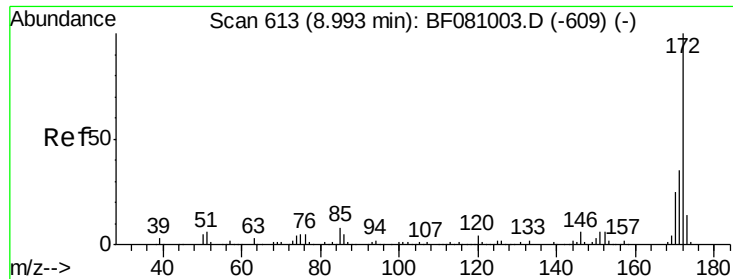
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#41
 2,4,6-Tribromophenol
 Concen: 5.77 ng
 RT: 10.41 min Scan# 737
 Delta R.T. -0.03 min
 Lab File: BF081071.D
 Acq: 19 Aug 2015 7:27

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	99.1	77.3	115.9	
141	68.4	44.9	67.3	





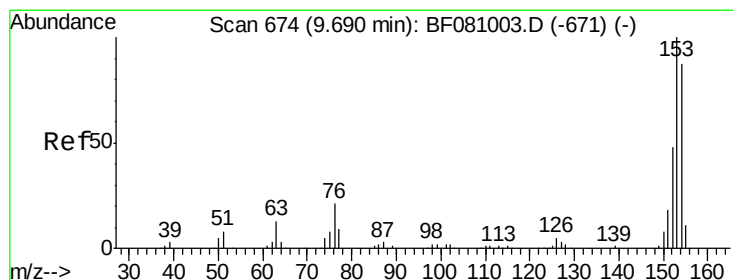
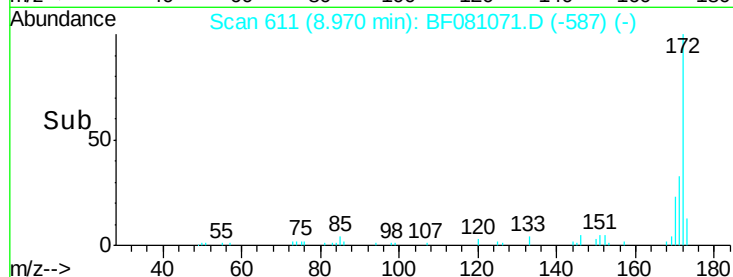
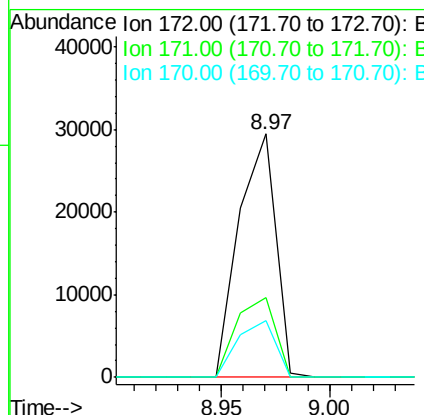
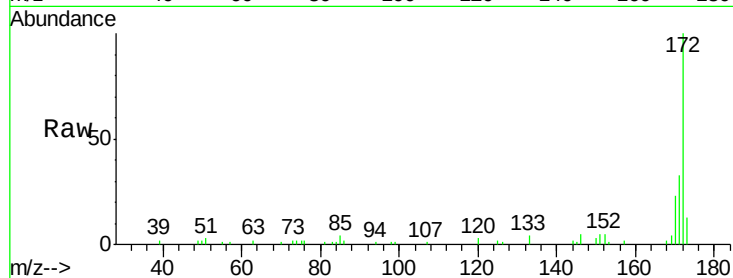
#44
2-Fluorobiphenyl
Concen: 3.60 ng
RT: 8.97 min Scan# 611
Delta R.T. -0.02 min
Lab File: BF081071.D
Acq: 19 Aug 2015 7:27

Instrument :
BNA_F
ClientSampleId :
STOCKPILE8-12-15REUSEDL2

Tot Ion	Ratio	Resp	Lower	Upper
172	100	34685		
171	33.0		28.9	43.3
170	23.3		19.4	29.2

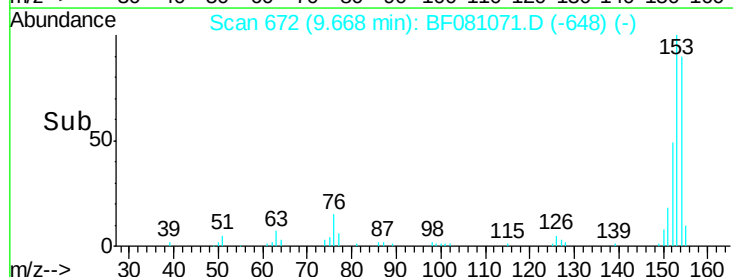
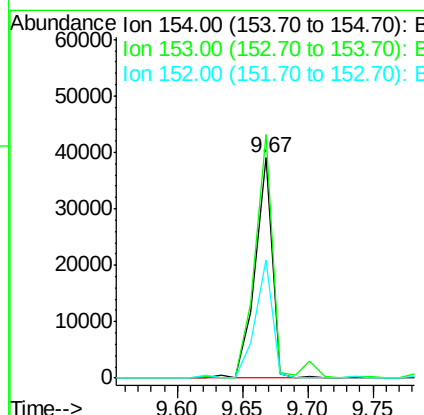
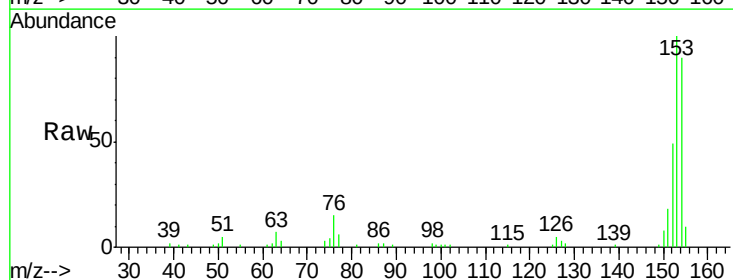
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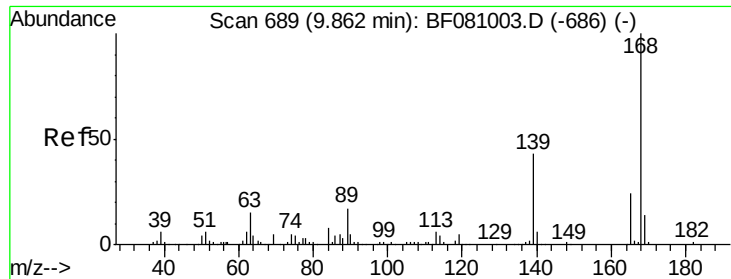
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#51
Acenaphthene
Concen: 3.76 ng
RT: 9.67 min Scan# 672
Delta R.T. -0.02 min
Lab File: BF081071.D
Acq: 19 Aug 2015 7:27

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	35967		
153	110.6		91.4	137.2
152	53.9		43.7	65.5





#54

Dibenzofuran

Concen: 2.04 ng

RT: 9.84 min Scan# 687

Delta R.T. -0.02 min

Lab File: BF081071.D

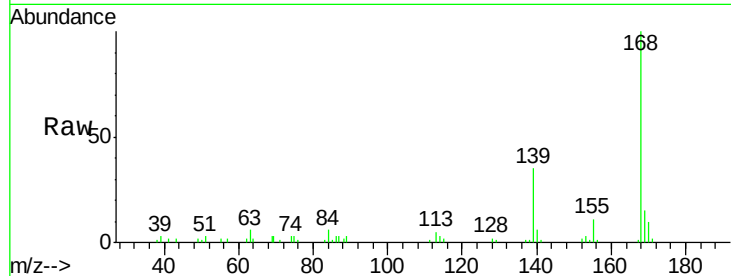
Acq: 19 Aug 2015 7:27

Instrument :

BNA_F

ClientSampleId :

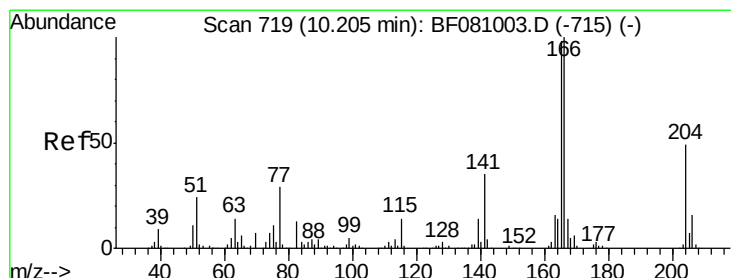
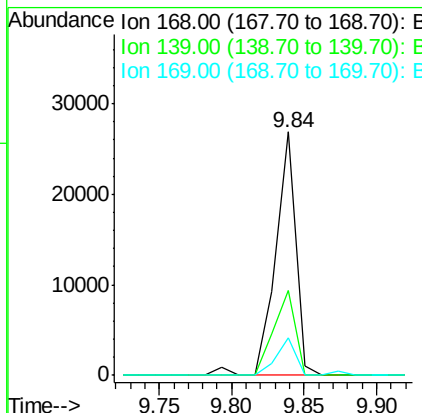
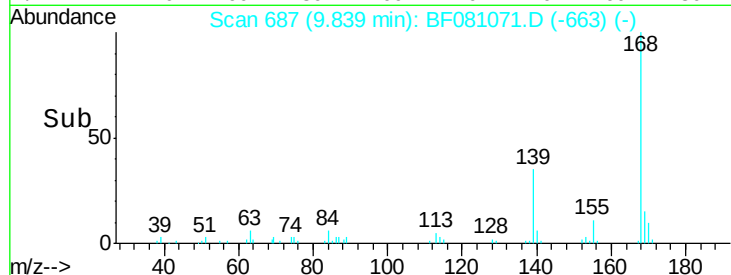
STOCKPILE8-12-15REUSEDL2



Tot Ion:	168	Resp:	26103
Ion Ratio		Lower	Upper
168	100		
139	35.1	29.3	43.9
169	15.5	10.3	15.5#

Manual Integrations
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#57

Fluorene

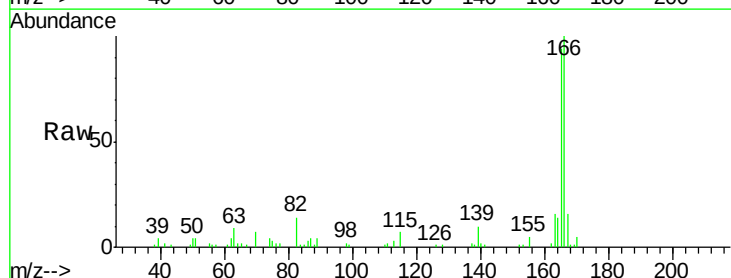
Concen: 3.95 ng

RT: 10.17 min Scan# 716

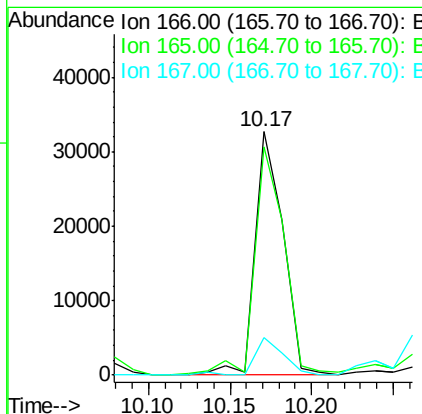
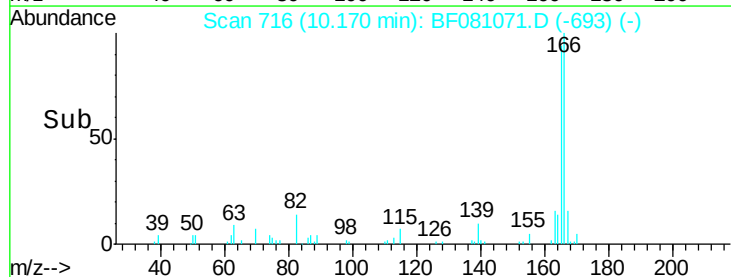
Delta R.T. -0.03 min

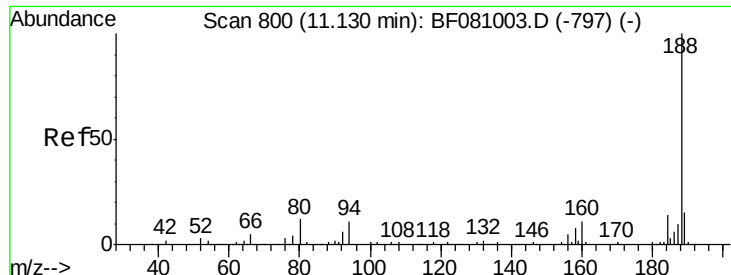
Lab File: BF081071.D

Acq: 19 Aug 2015 7:27



Tgt Ion:	166	Resp:	38997
Ion Ratio		Lower	Upper
166	100		
165	93.6	75.8	113.8
167	15.6	11.3	16.9





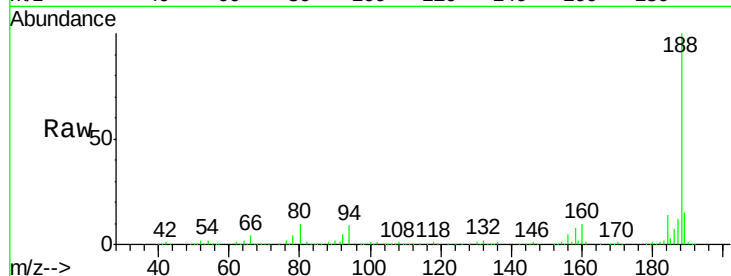
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.11 min Scan# 798
Delta R.T. -0.02 min
Lab File: BF081071.D
Acq: 19 Aug 2015 7:27

Instrument :
BNA_F
ClientSampleId :
STOCKPILE8-12-15REUSEDL2

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.3	8.2	12.2
80	9.9	9.5	14.3

Manual Integrations
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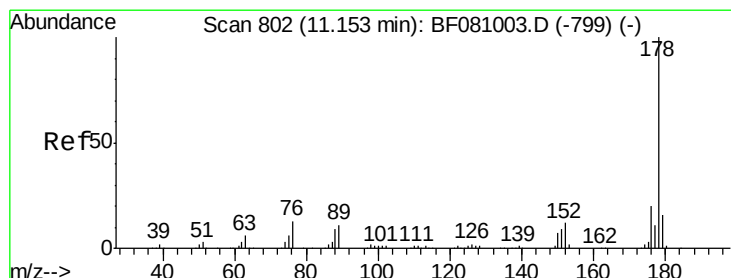
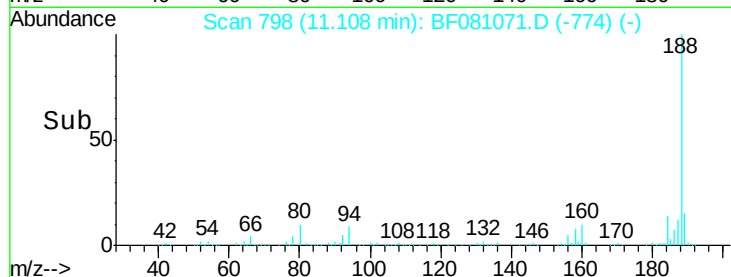
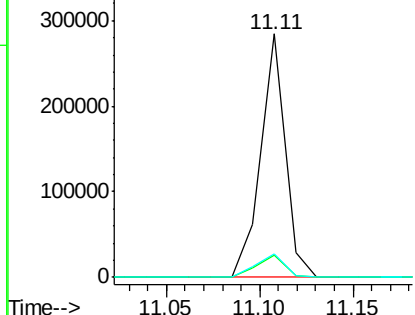
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Abundance Ion 188.00 (187.70 to 188.70): E

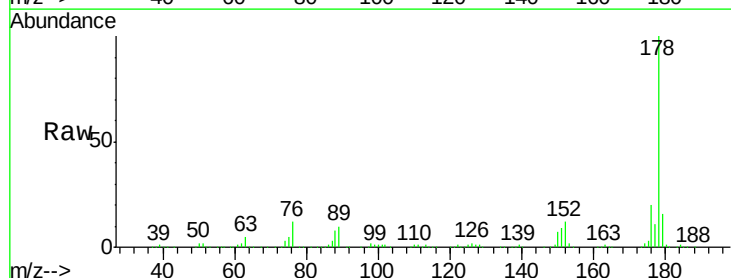
Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#70
Phenanthrene
Concen: 32.50 ng
RT: 11.13 min Scan# 800
Delta R.T. -0.02 min
Lab File: BF081071.D
Acq: 19 Aug 2015 7:27

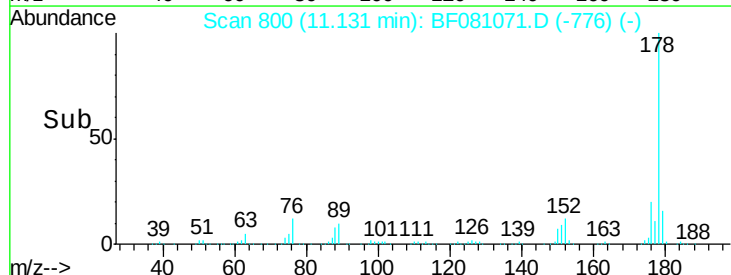
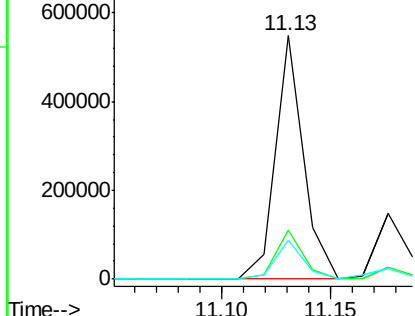
Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	20.1	15.7	23.5
179	15.9	12.2	18.2

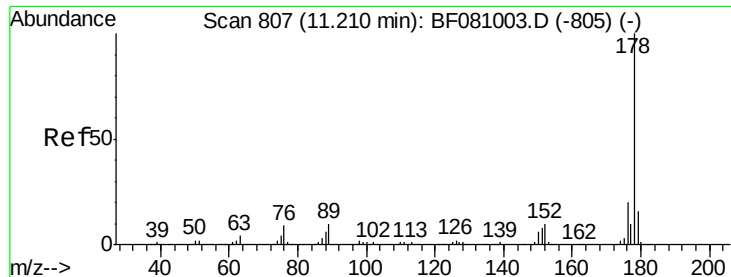


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





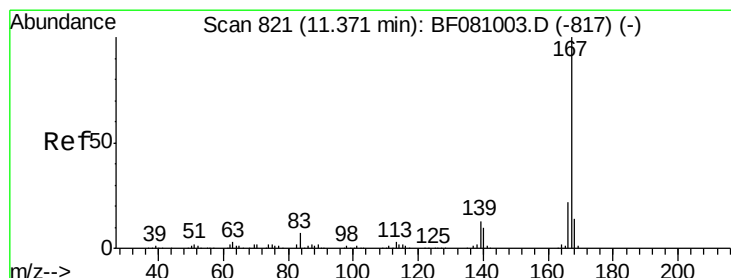
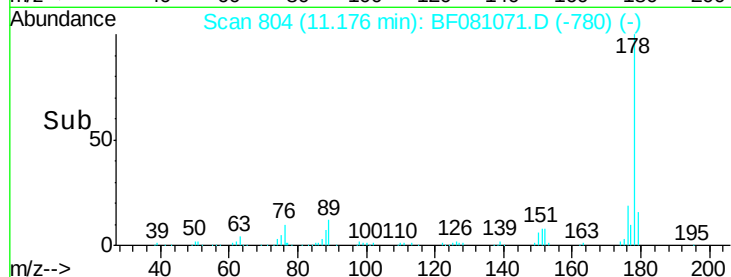
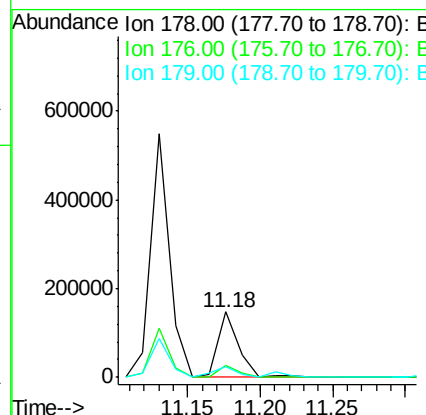
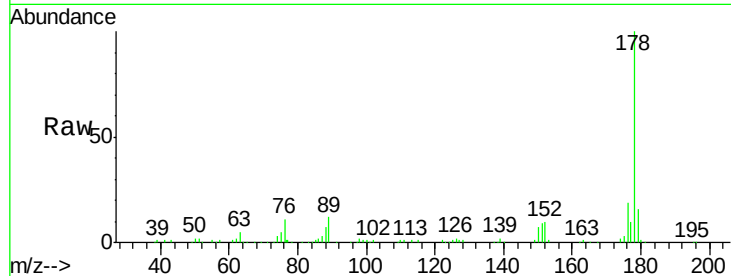
#71
 Anthracene
 Concen: 9.59 ng
 RT: 11.18 min Scan# 804
 Delta R.T. -0.02 min
 Lab File: BF081071.D
 Acq: 19 Aug 2015 7:27

Instrument :
 BNA_F
 ClientSampleId :
 STOCKPILE8-12-15REUSEDL2

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.7	23.5
179	15.7	12.7	19.1

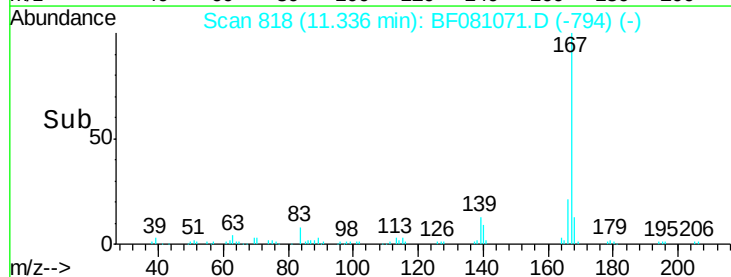
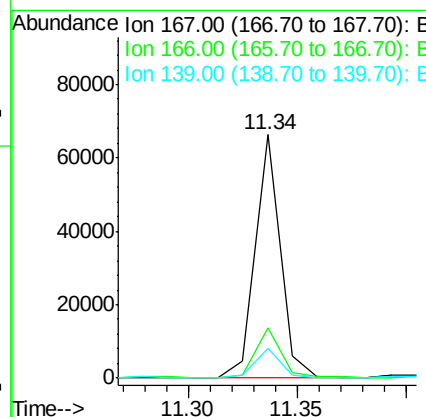
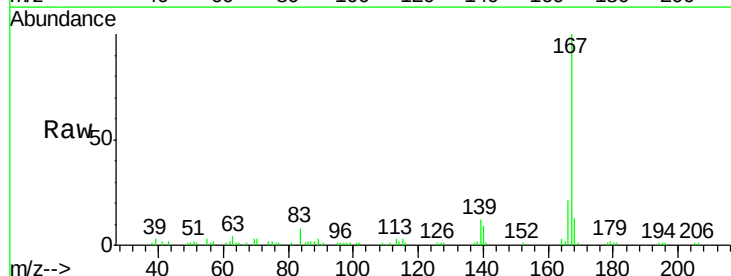
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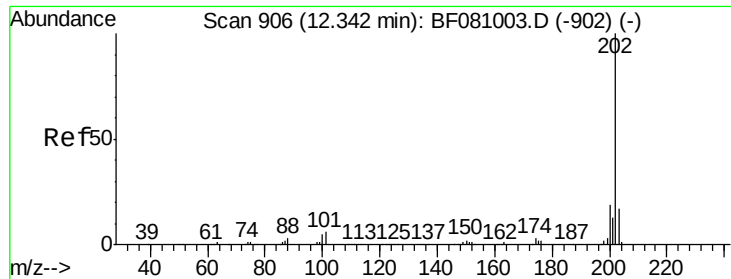
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#72
 Carbazole
 Concen: 3.71 ng
 RT: 11.34 min Scan# 818
 Delta R.T. -0.02 min
 Lab File: BF081071.D
 Acq: 19 Aug 2015 7:27

Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.5	17.4	26.0
139	12.5	10.6	16.0





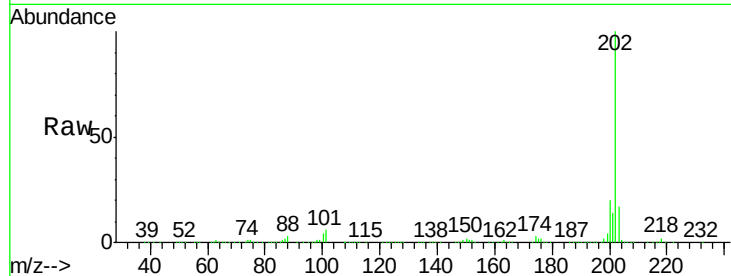
#74
 Fluoranthene
 Concen: 45.88 ng
 RT: 12.32 min Scan# 904
 Delta R.T. -0.01 min
 Lab File: BF081071.D
 Acq: 19 Aug 2015 7:27

Instrument :
 BNA_F
 ClientSampleId :
 STOCKPILE8-12-15REUSEDL2

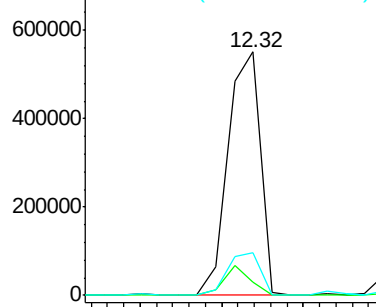
Tot Ion	Ion	Ratio	Resp Lower	Resp Upper
202	100			
101	5.6	0.0	24.8	
203	17.5	0.0	36.9	

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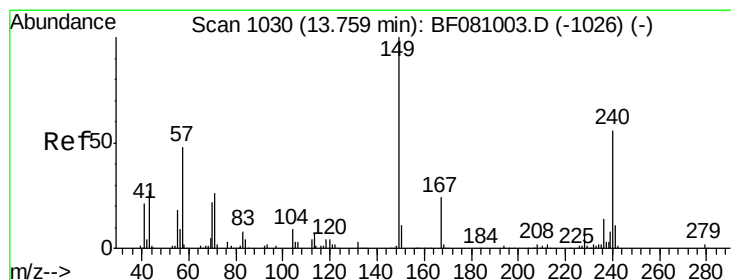
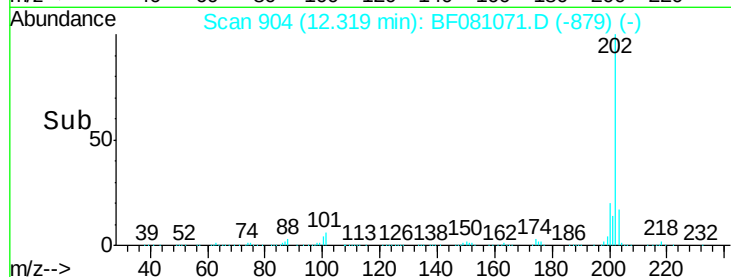
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Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

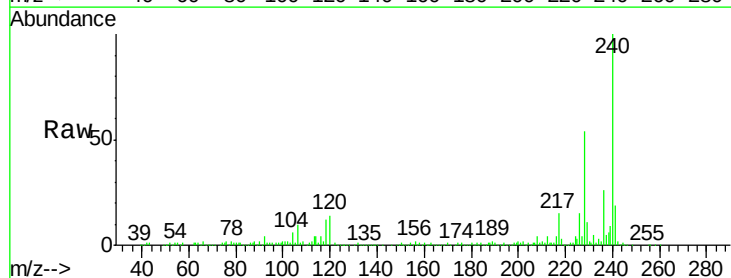


Time-->

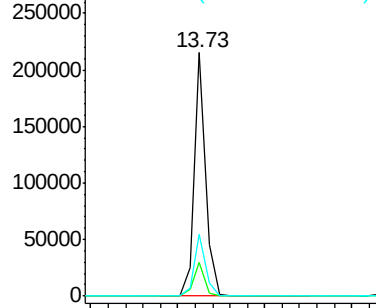


#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.73 min Scan# 1027
 Delta R.T. -0.02 min
 Lab File: BF081071.D
 Acq: 19 Aug 2015 7:27

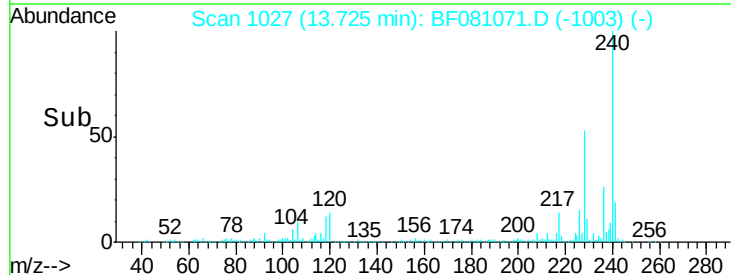
Tgt Ion	Ion	Ratio	Resp Lower	Resp Upper
240	100			
120	13.6	5.6	8.4#	
236	25.5	20.6	30.8	

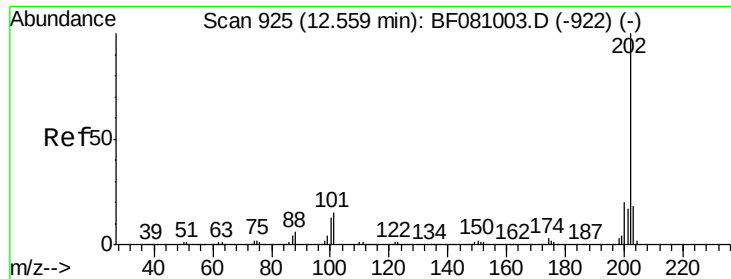


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E



Time-->





#77

Pvrene

Concen: 40.55 ng

RT: 12.54 min Scan# 923

Delta R.T. -0.02 min

Lab File: BF081071.D

Acq: 19 Aug 2015 7:27

Instrument :

BNA_F

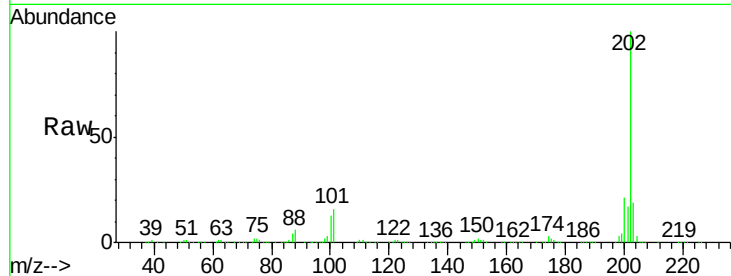
ClientSampleId :

STOCKPILE8-12-15REUSEDL2

Tot Ion:	202	Resp:	660237
Ion Ratio	Lower	Upper	
202	100		
200	20.9	16.6	24.8
203	19.0	14.1	21.1

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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

12.54

800000

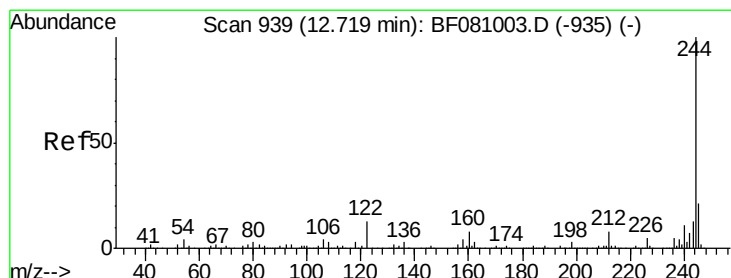
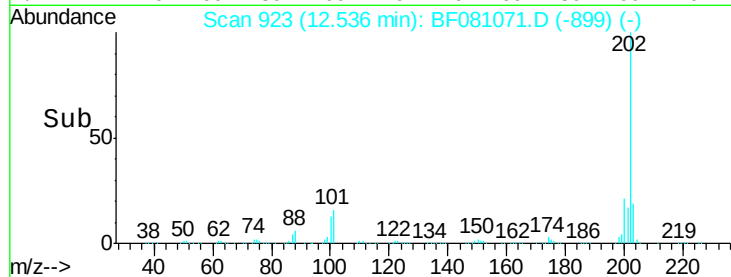
600000

400000

200000

0

Time-->



#78

Terphenyl-d14

Concen: 3.99 ng

RT: 12.68 min Scan# 936

Delta R.T. -0.02 min

Lab File: BF081071.D

Acq: 19 Aug 2015 7:27

Tgt Ion:	244	Resp:	37280
Ion Ratio	Lower	Upper	
244	100		
212	7.8	5.8	8.8
122	12.9	8.2	12.4#

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

12.68

60000

50000

40000

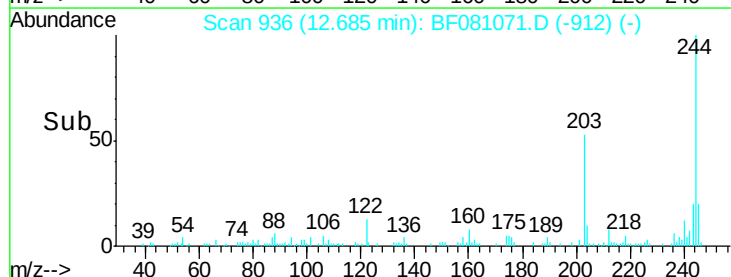
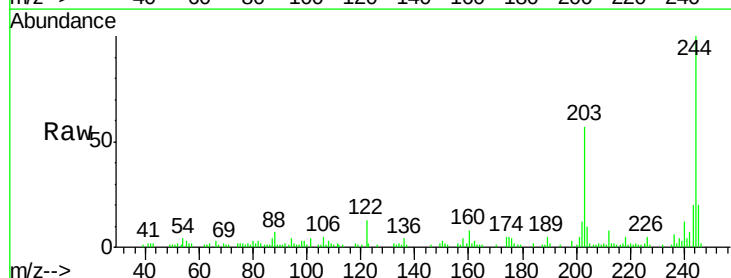
30000

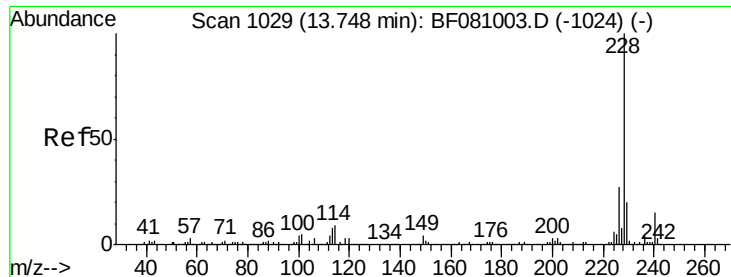
20000

10000

0

Time-->





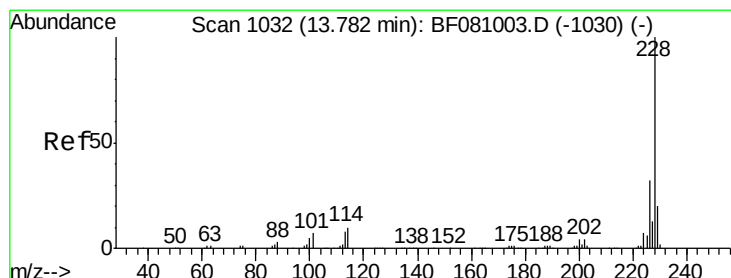
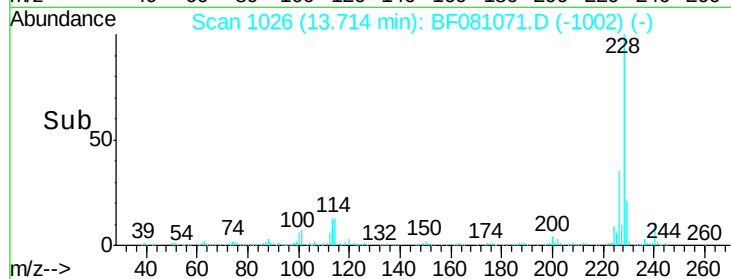
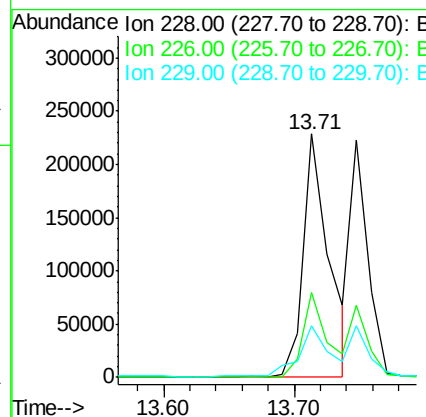
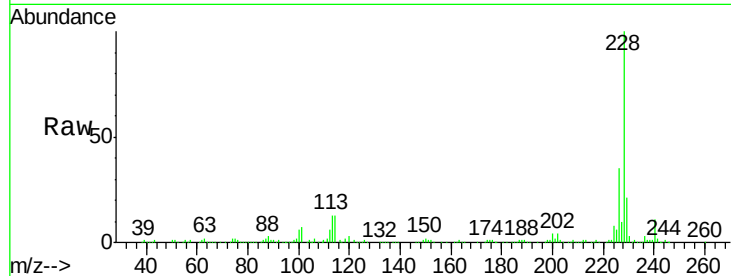
#80
Benzo(a)anthracene
Concen: 23.44 ng
RT: 13.71 min Scan# 1026
Delta R.T. -0.02 min
Lab File: BF081071.D
Acq: 19 Aug 2015 7:27

Instrument :
BNA_F
ClientSampleId :
STOCKPILE8-12-15REUSEDL2

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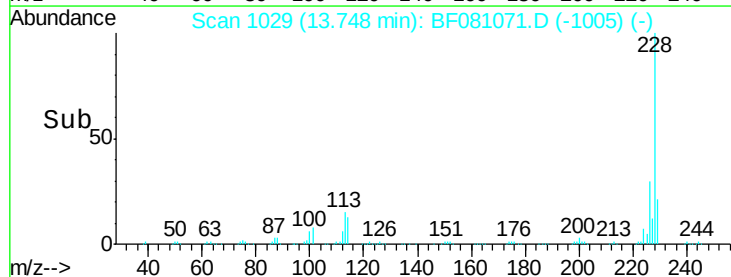
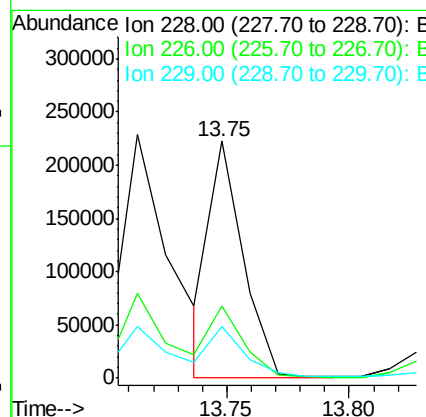
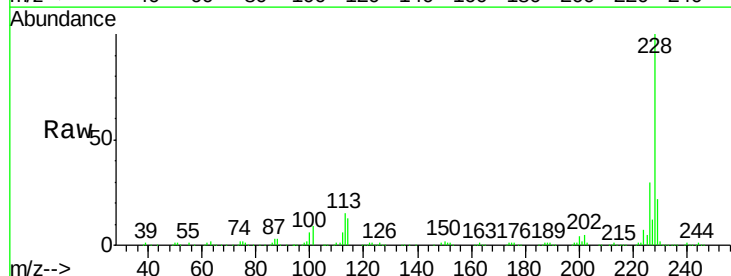
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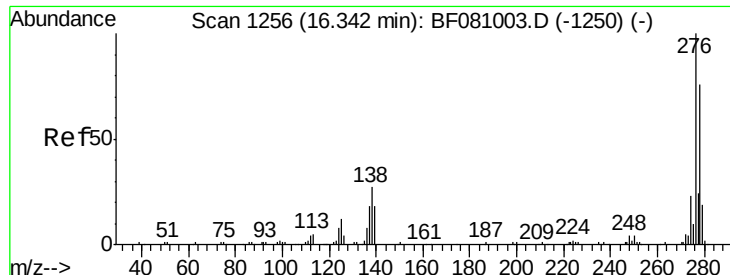
Tot Ion	Ratio	Resp	Lower	Upper
228	100	314827		
226	35.0	22.3	33.5#	
229	21.1	15.9	23.9	



#82
Chrysene
Concen: 17.55 ng m
RT: 13.75 min Scan# 1029
Delta R.T. -0.02 min
Lab File: BF081071.D
Acq: 19 Aug 2015 7:27

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	212455		
226	30.4	24.4	36.6	
229	21.7	16.0	24.0	





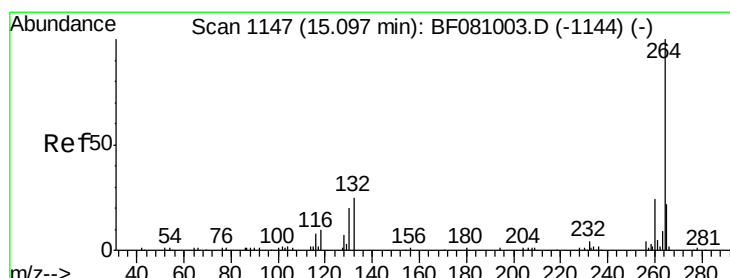
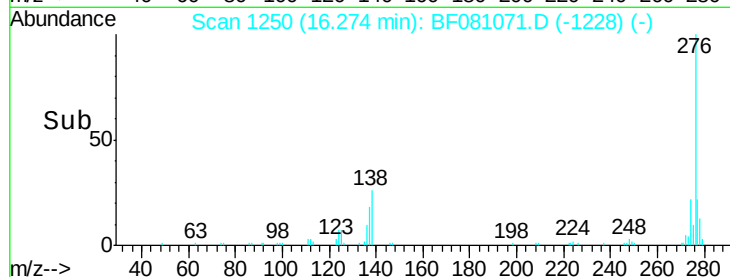
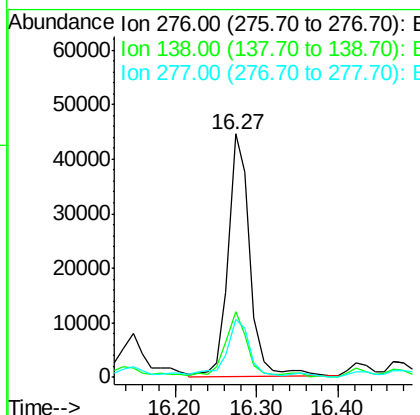
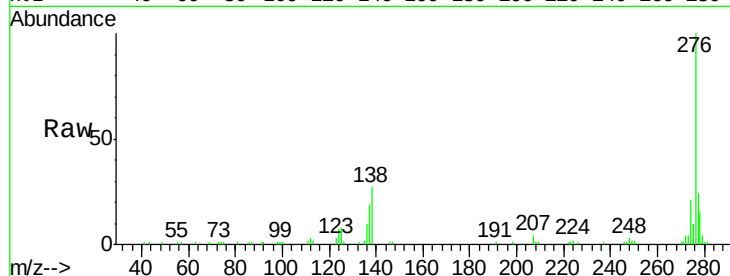
#85
Indeno(1,2,3-cd)pyrene
Concen: 9.66 ng
RT: 16.27 min Scan# 1250
Delta R.T. -0.05 min
Lab File: BF081071.D
Acq: 19 Aug 2015 7:27

Instrument :
BNA_F
ClientSampleId :
STOCKPILE8-12-15REUSEDL2

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.4	18.6	28.0
277	26.4	19.8	29.8

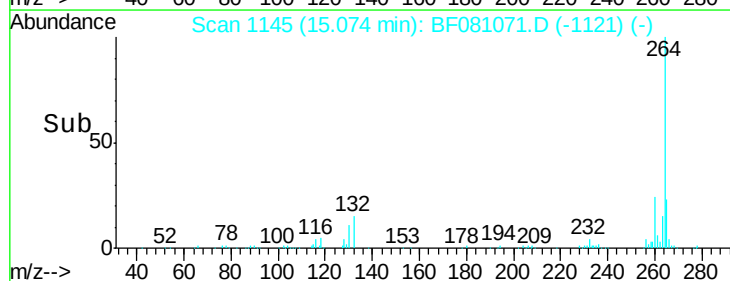
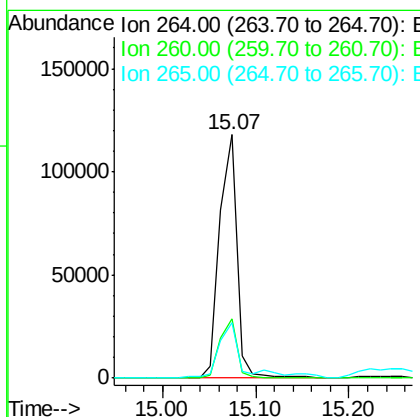
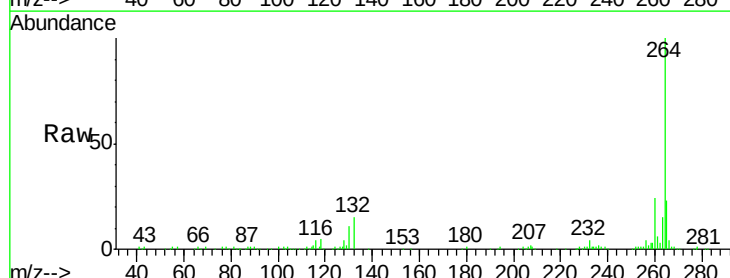
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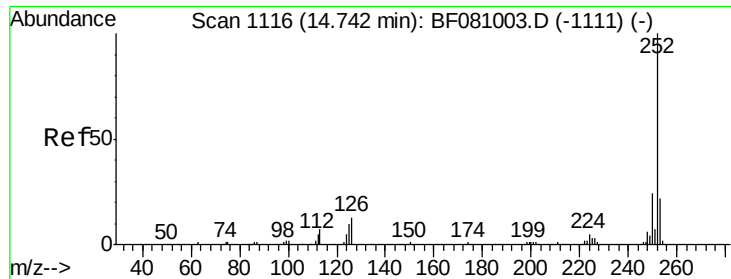
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.07 min Scan# 1145
Delta R.T. -0.02 min
Lab File: BF081071.D
Acq: 19 Aug 2015 7:27

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.6	29.4
265	22.7	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 11.52 ng m

RT: 14.71 min Scan# 1113

Delta R.T. -0.02 min

Lab File: BF081071.D

Acq: 19 Aug 2015 7:27

Instrument :

BNA_F

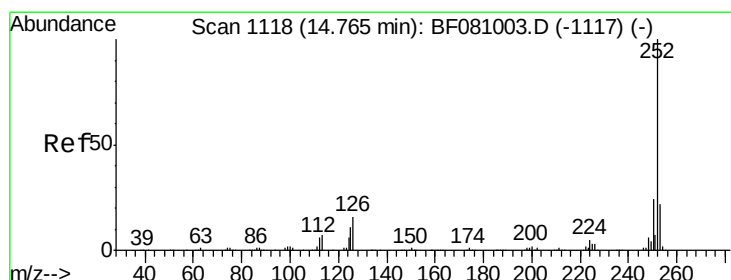
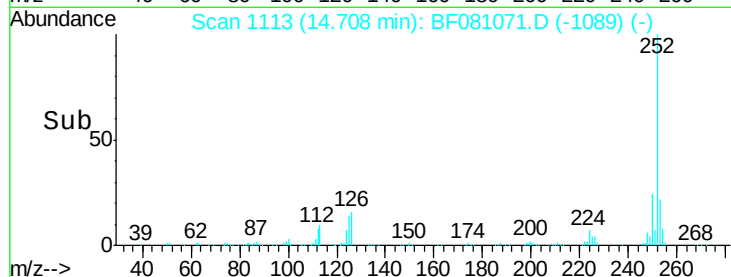
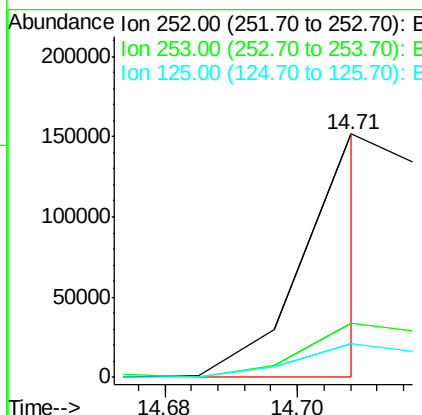
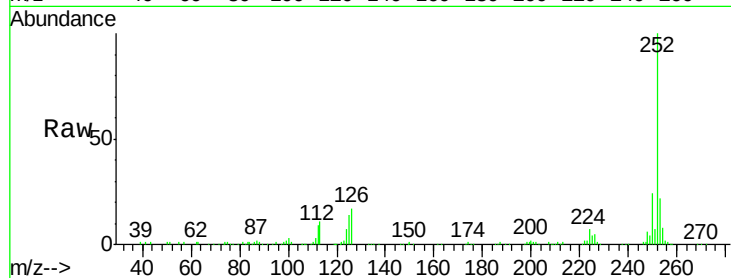
ClientSampleId :

STOCKPILE8-12-15REUSEDL2

Tot Ion:	252	Resp:	124797
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.1	25.7
125	14.0	8.0	12.0

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#88

Benzo(k)fluoranthene

Concen: 18.20 ng m

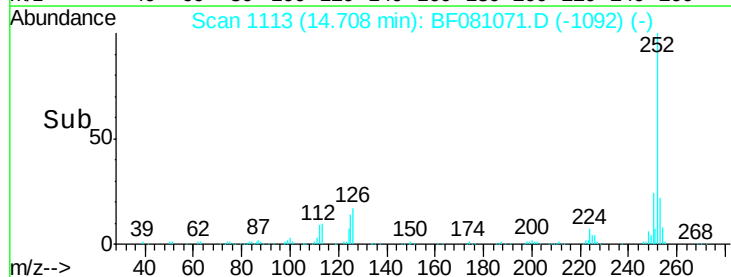
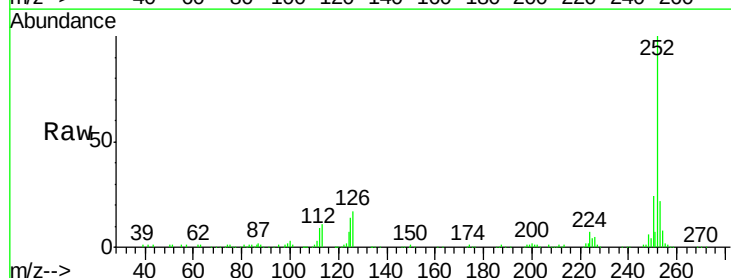
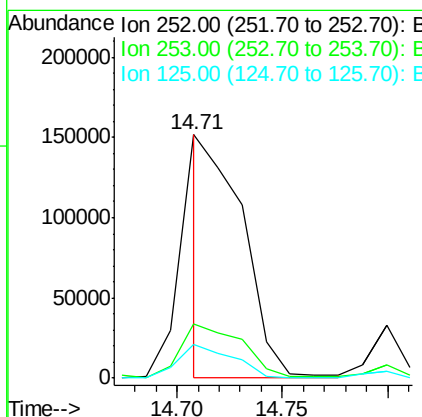
RT: 14.71 min Scan# 1113

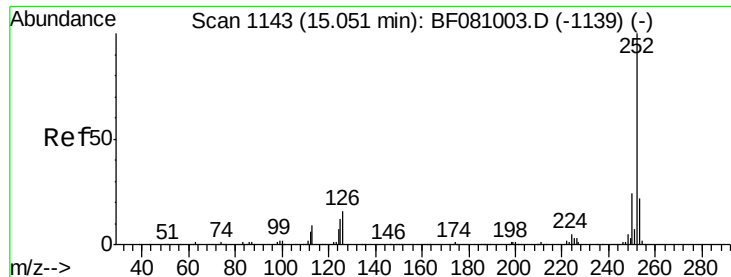
Delta R.T. -0.06 min

Lab File: BF081071.D

Acq: 19 Aug 2015 7:27

Tgt Ion:	252	Resp:	183636
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.6	26.4
125	14.0	10.3	15.5





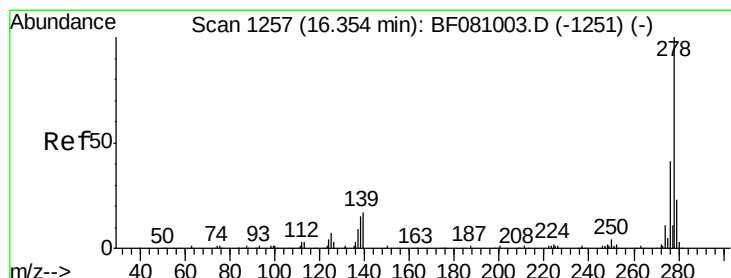
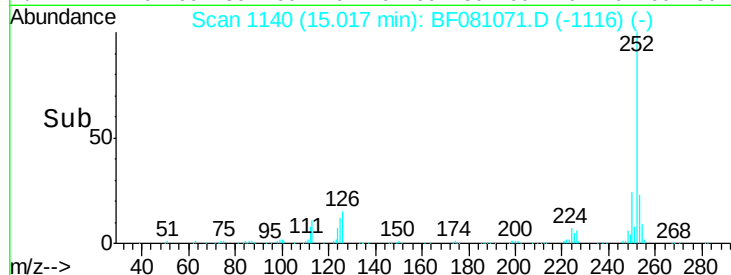
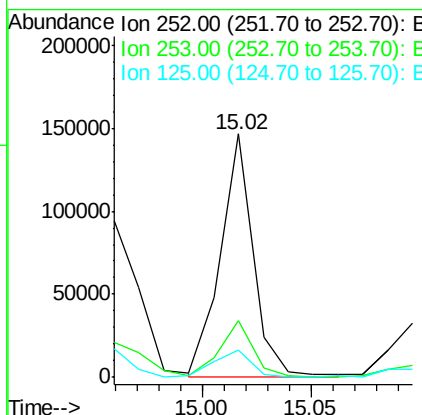
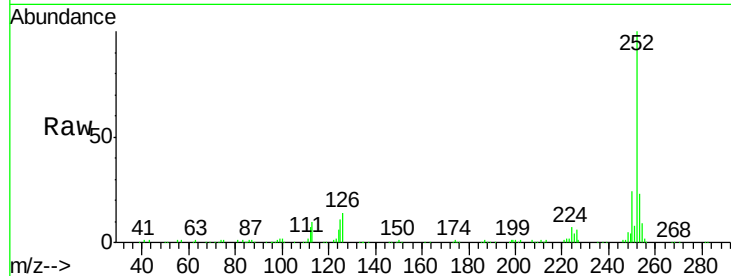
#89
Benzo(a)pyrene
Concen: 16.15 ng
RT: 15.02 min Scan# 1140
Delta R.T. -0.02 min
Lab File: BF081071.D
Acq: 19 Aug 2015 7:27

Instrument :
BNA_F
ClientSampleId :
STOCKPILE8-12-15REUSEDL2

Tot Ion	Ratio	Resp	Lower	Upper
252	100	152374		
253	23.1	16.6	25.0	
125	11.3	7.8	11.8	

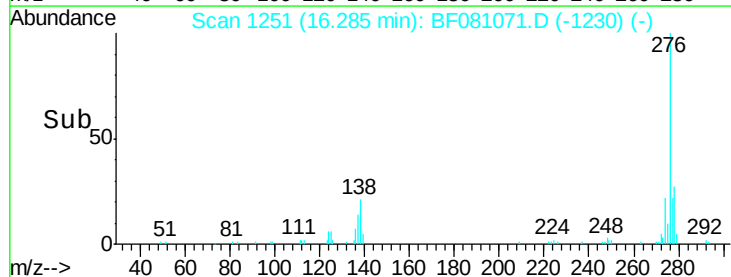
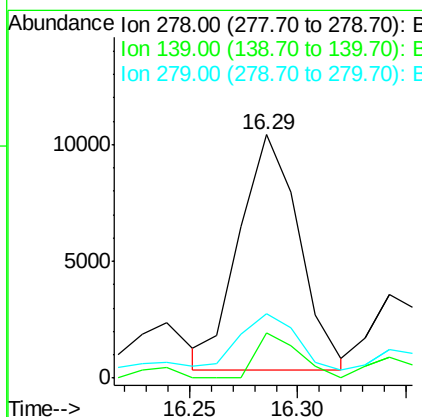
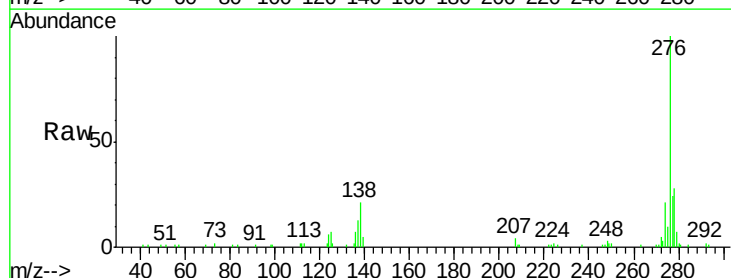
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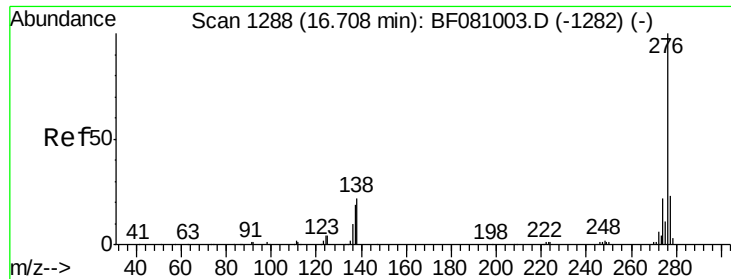
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#90
Dibenzo(a,h)anthracene
Concen: 2.61 ng m
RT: 16.29 min Scan# 1251
Delta R.T. -0.06 min
Lab File: BF081071.D
Acq: 19 Aug 2015 7:27

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	19199		
139	18.7	10.8	16.2	
279	26.5	19.0	28.6	





#91
 Benzo(a,h,i)perylene
 Concen: 10.47 ng
 RT: 16.64 min Scan# 1282
 Delta R.T. -0.05 min
 Lab File: BF081071.D
 Acq: 19 Aug 2015 7:27

Instrument :
 BNA_F
 ClientSampleId :
 STOCKPILE8-12-15REUSEDL2

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.2	27.2
138	26.4	13.7	20.5

Manual Integrations
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