

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081715\
 Data File : BF081022.D
 Acq On : 18 Aug 2015 1:07
 Operator : UM/IZ
 Sample : G3292-01DL 25X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 STOCKPILE8-12-15REUSEDL

Manual Integrations
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 8/18/2015 5:12:43 PM

Quant Time: Aug 18 02:14:44 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	6.63	152	58645	20.00	ng	0.00
21) Naphthalene-d8	7.91	136	224266	20.00	ng	0.00
38) Acenaphthene-d10	9.66	164	107788	20.00	ng	0.00
63) Phenanthrene-d10	11.13	188	209702	20.00	ng	0.00
75) Chrysene-d12	13.76	240	116211	20.00	ng	0.01
86) Perylene-d12	15.11	264	126160	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.19	112	133709	34.29	ng	0.00
7) Phenol-d6	6.26	99	209393	41.16	ng	0.00
23) Nitrobenzene-d5	7.19	82	118187	24.07	ng	0.00
41) 2,4,6-Tribromophenol	10.44	330	25086	26.85	ng	0.00
44) 2-Fluorobiphenyl	8.99	172	150843	18.34	ng	0.00
78) Terphenyl-d14	12.72	244	118759	21.91	ng	0.01

Target Compounds						Qvalue
31) Naphthalene	7.93	128	150148	12.01	ng	98
37) 2-Methylnaphthalene	8.63	142	33518	4.24	ng	96
48) Acenaphthylene	9.52	152	114780	8.41	ng	98
49) Dimethylphthalate	9.39	163	42547	4.79	ng	# 98
51) Acenaphthene	9.69	154	153121	18.75	ng	100
54) Dibenzofuran	9.86	168	114412	10.45	ng	96
57) Fluorene	10.20	166	168387	20.00	ng	99
70) Phenanthrene	11.18	178	2007128	161.50	ng	97
71) Anthracene	11.21	178	457444	37.83	ng	99
72) Carbazole	11.37	167	179610	15.43	ng	96
74) Fluoranthene	12.35	202	2324078	173.30	ng	89
77) Pyrene	12.58	202	1995970	211.27	ng	95
80) Benzo(a)anthracene	13.76	228	875701	112.36	ng	97
82) Chrysene	13.79	228	700761	99.77	ng	97
85) Indeno(1,2,3-cd)pyrene	16.35	276	335734	68.08	ng	99
87) Benzo(b)fluoranthene	14.75	252	720378m	80.72	ng	
88) Benzo(k)fluoranthene	14.78	252	259520m	31.21	ng	
89) Benzo(a)pyrene	15.06	252	532923	68.54	ng	# 92
90) Dibenzo(a,h)anthracene	16.37	278	97626	16.11	ng	96
91) Benzo(g,h,i)perylene	16.73	276	322348	52.44	ng	# 90

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

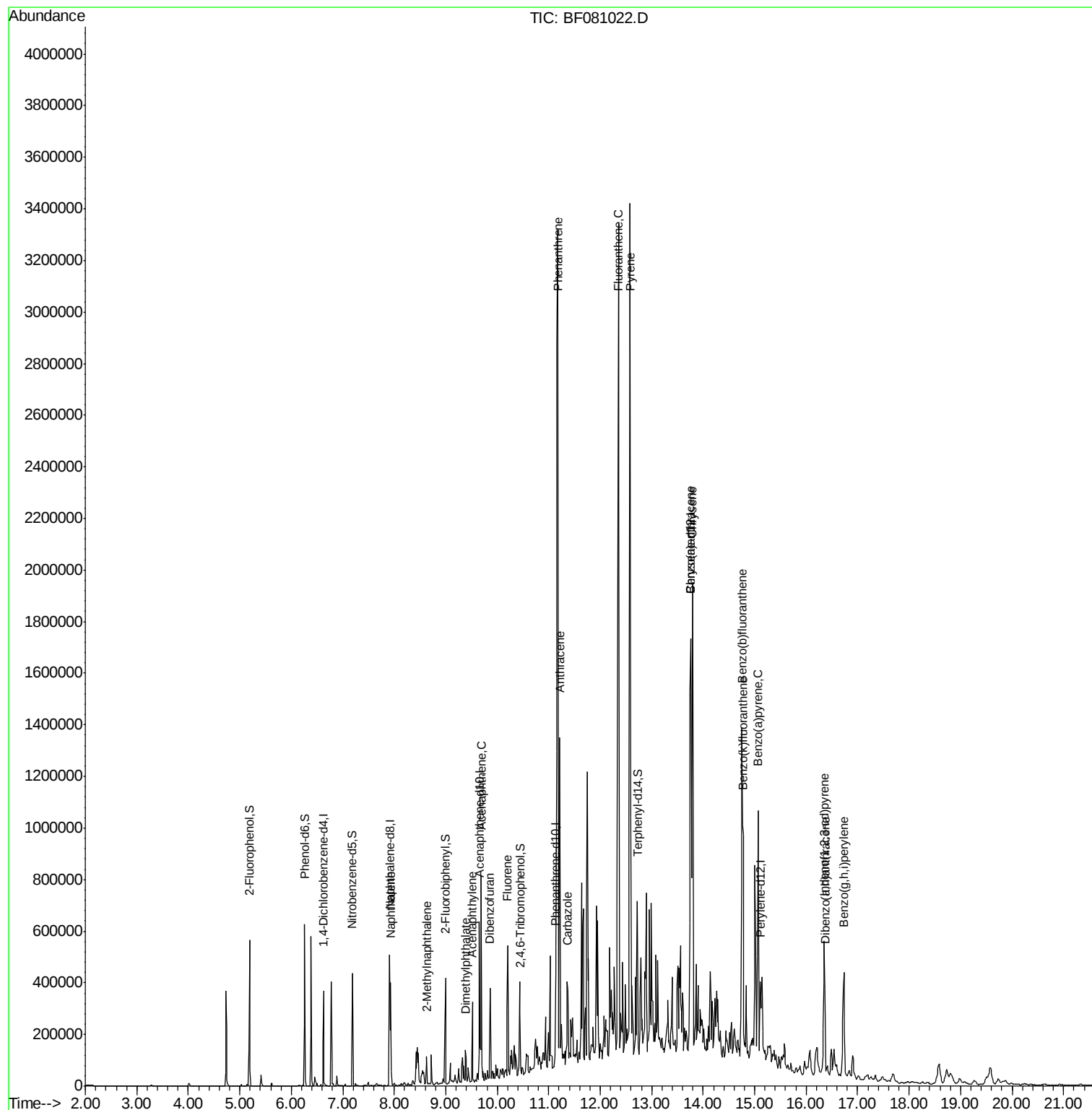
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081715\
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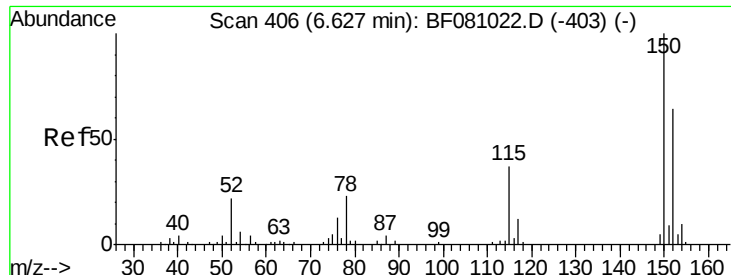
Instrument :
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STOCKPILE8-12-15REUSEDL

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QLast Update : Mon Aug 17 17:57:25 2015
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.63 min Scan# 406

Delta R.T. 0.00 min

Lab File: BF081022.D

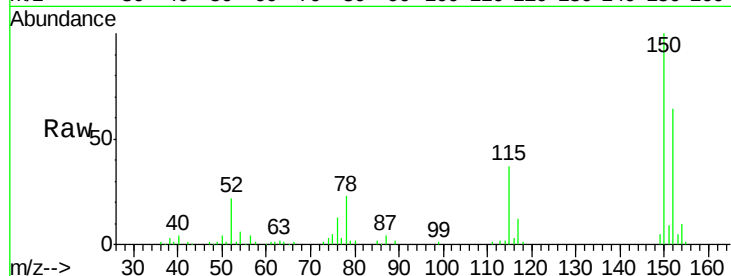
Acq: 18 Aug 2015 1:07

Instrument :

BNA_F

ClientSampleId :

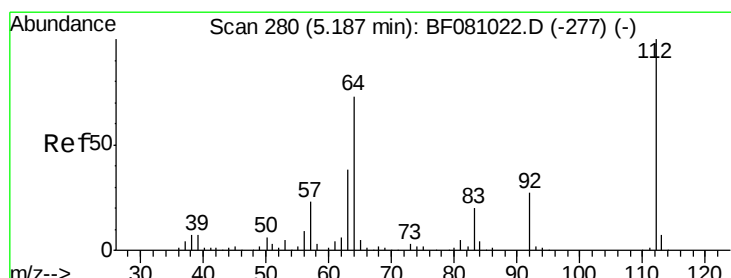
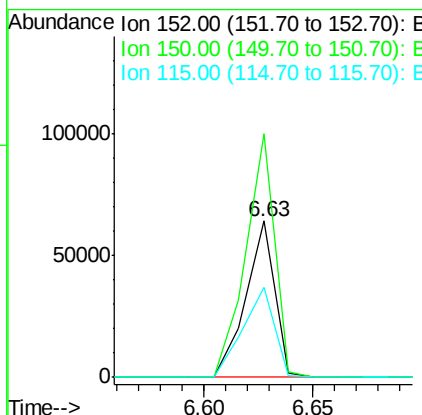
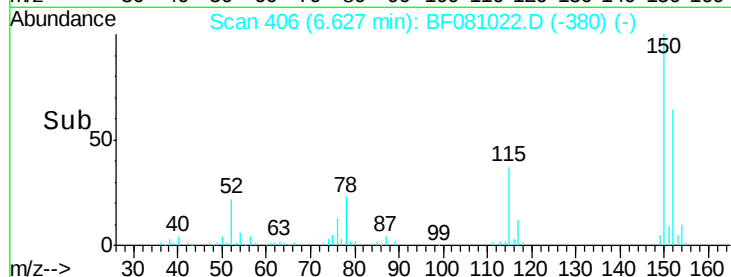
STOCKPILE8-12-15REUSEDL



Tgt Ion:	152	Resp:	58645
Ion Ratio	Lower	Upper	
152	100		
150	156.0	123.8	185.6
115	58.0	52.1	78.1

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#5

2-Fluorophenol

Concen: 34.29 ng

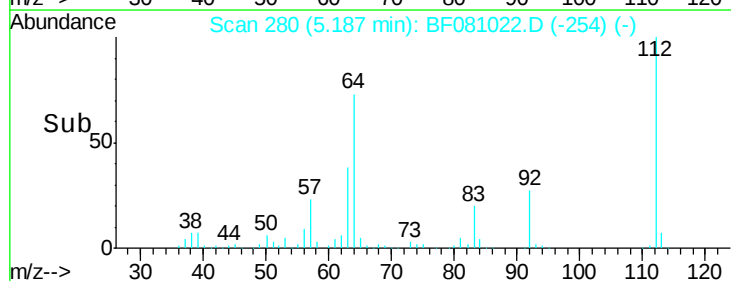
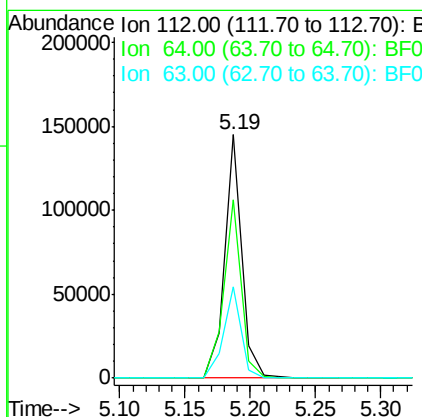
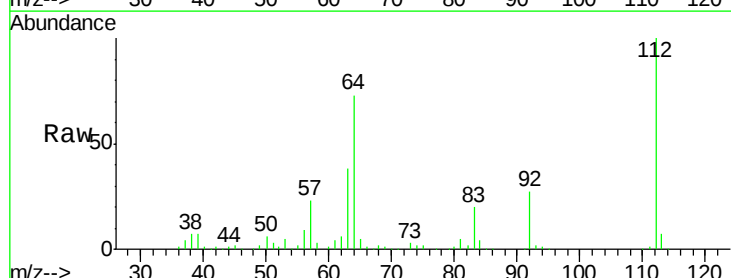
RT: 5.19 min Scan# 280

Delta R.T. 0.00 min

Lab File: BF081022.D

Acq: 18 Aug 2015 1:07

Tgt Ion:	112	Resp:	133709
Ion Ratio	Lower	Upper	
112	100		
64	73.2	66.9	100.3
63	37.6	38.1	57.1#





#7

Phenol-d6

Concen: 41.16 ng

RT: 6.26 min Scan# 374

Delta R.T. 0.00 min

Lab File: BF081022.D

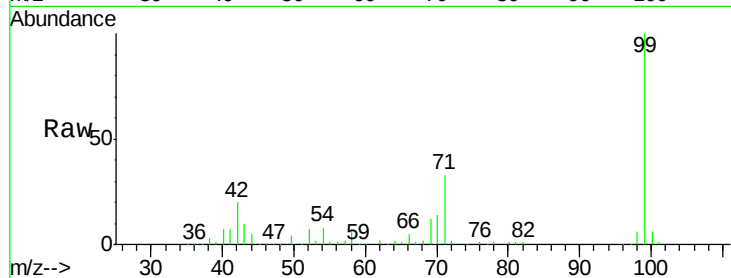
Acq: 18 Aug 2015 1:07

Instrument :

BNA_F

ClientSampleId :

STOCKPILE8-12-15REUSEDL



Tgt Ion: 99 Resp: 209393

Ion Ratio Lower Upper

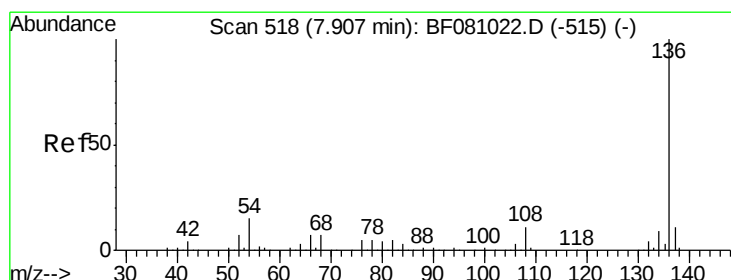
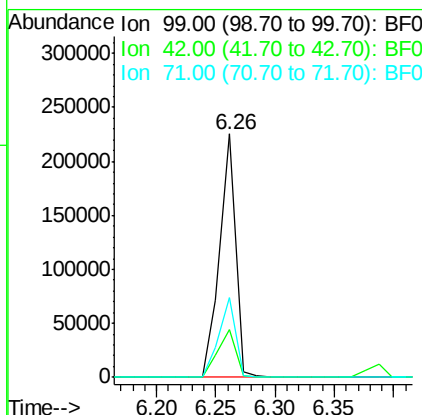
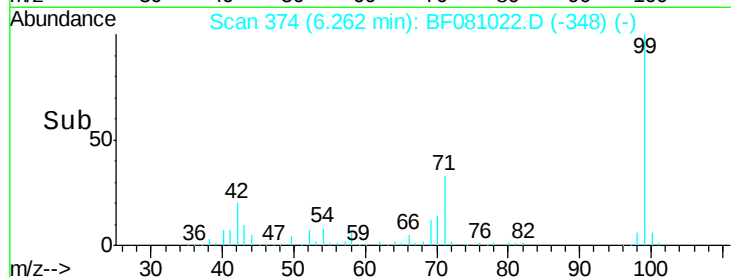
99 100

42 19.5 19.6 29.4#

71 32.7 31.2 46.8

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.91 min Scan# 518

Delta R.T. 0.00 min

Lab File: BF081022.D

Acq: 18 Aug 2015 1:07

Tgt Ion: 136 Resp: 224266

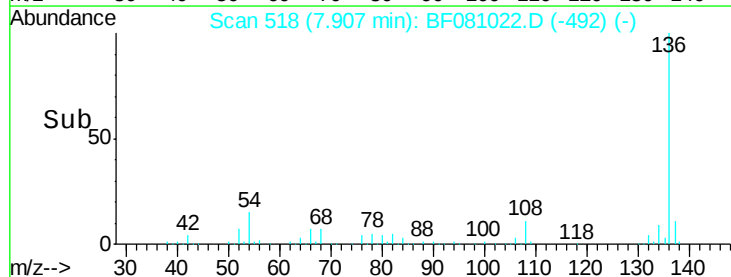
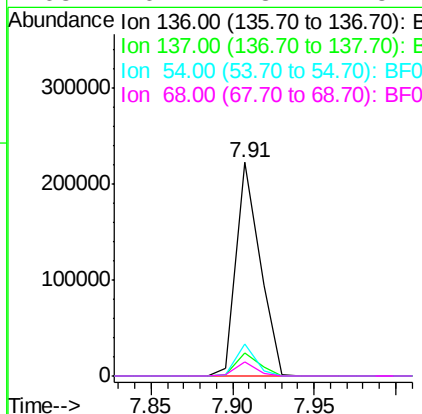
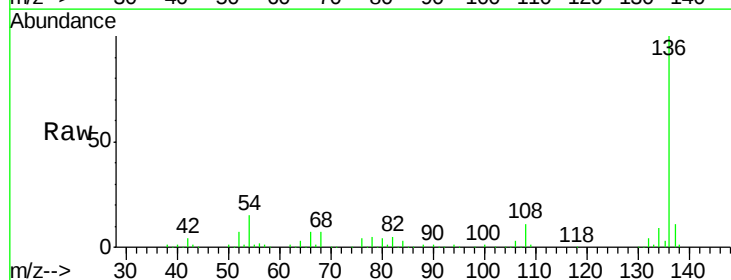
Ion Ratio Lower Upper

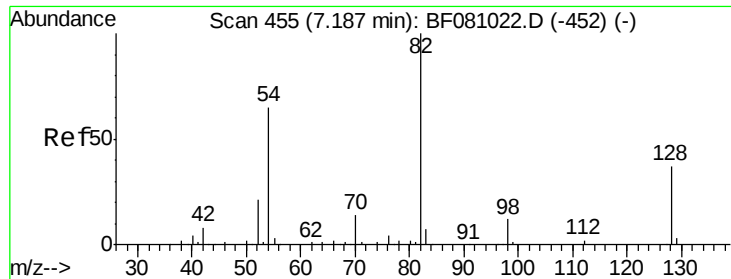
136 100

137 10.7 8.2 12.2

54 14.8 7.7 11.5#

68 6.7 3.4 5.2#





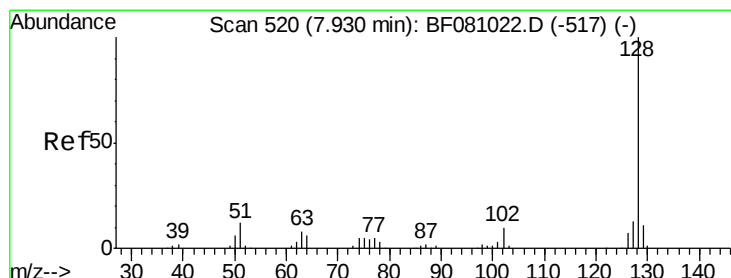
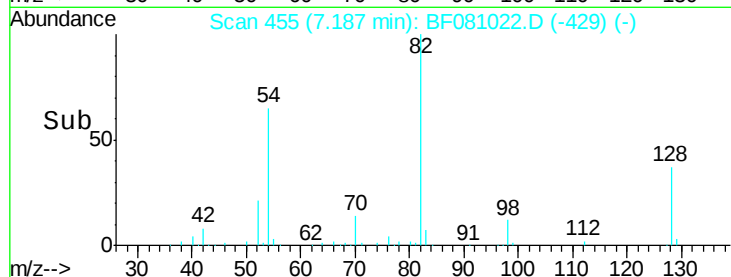
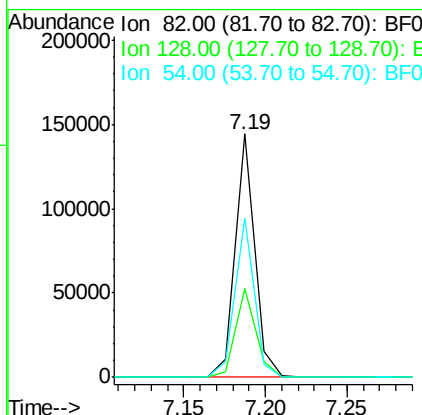
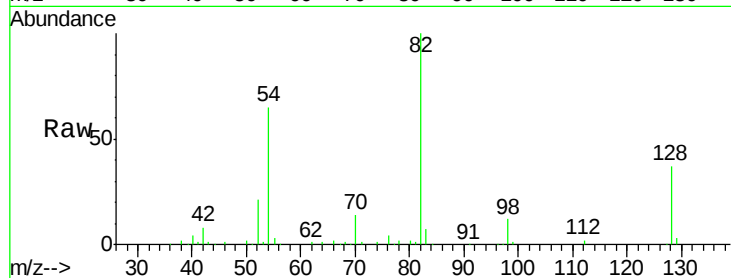
#23
 Nitrobenzene-d5
 Concen: 24.07 ng
 RT: 7.19 min Scan# 455
 Delta R.T. 0.00 min
 Lab File: BF081022.D
 Acq: 18 Aug 2015 1:07

Instrument :
 BNA_F
 ClientSampleId :
 STOCKPILE8-12-15REUSEDL

Tgt Ion	Ratio	Resp Lower	Resp Upper
82	100		
128	36.6	28.6	42.8
54	65.3	55.1	82.7

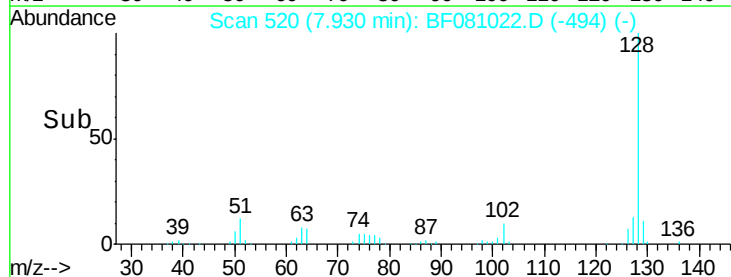
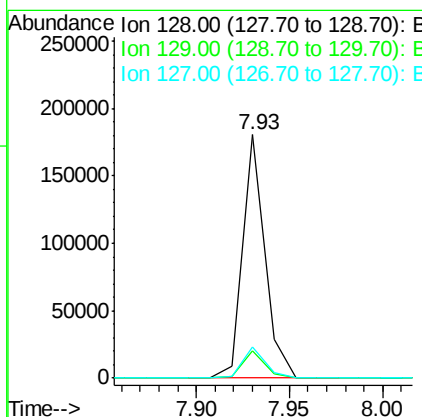
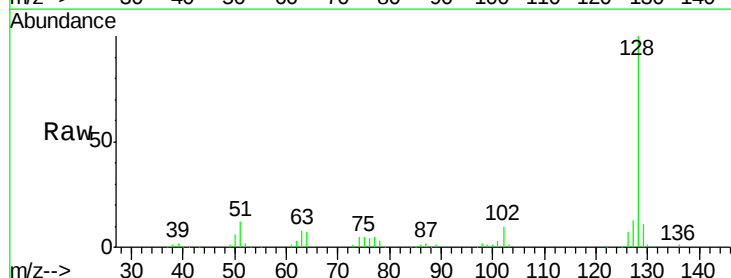
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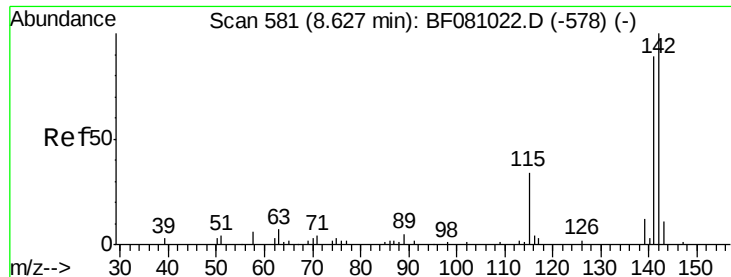
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#31
 Naphthalene
 Concen: 12.01 ng
 RT: 7.93 min Scan# 520
 Delta R.T. 0.00 min
 Lab File: BF081022.D
 Acq: 18 Aug 2015 1:07

Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
129	11.3	8.4	12.6
127	12.8	10.6	16.0





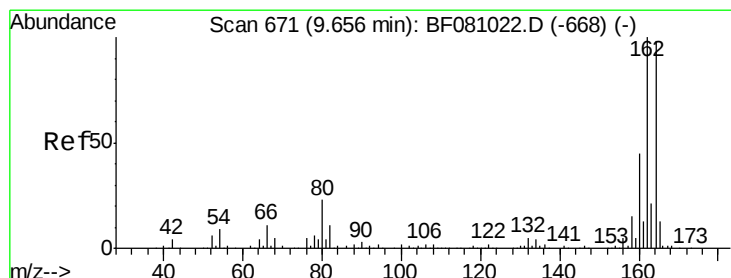
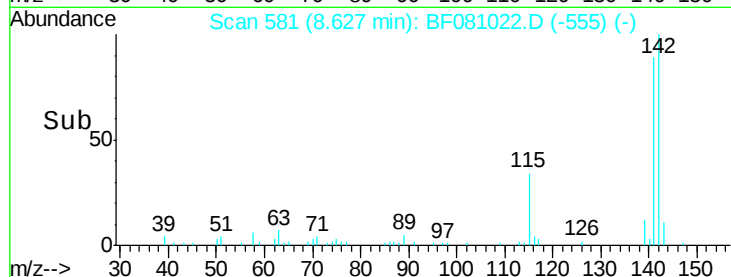
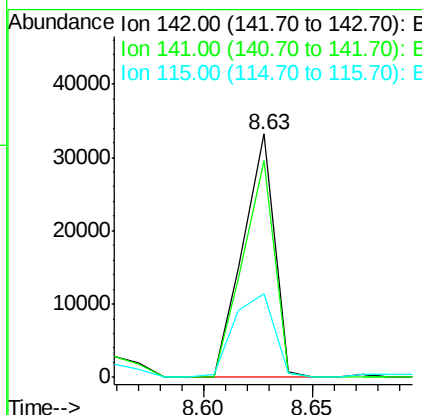
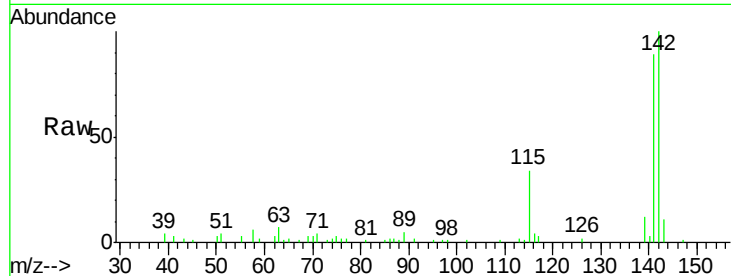
#37
 2-Methylnaphthalene
 Concen: 4.24 ng
 RT: 8.63 min Scan# 581
 Delta R.T. 0.00 min
 Lab File: BF081022.D
 Acq: 18 Aug 2015 1:07

Instrument :
 BNA_F
 ClientSampleId :
 STOCKPILE8-12-15REUSEDL

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	33518		
141	88.9	71.4	107.2	
115	34.1	33.4	50.0	

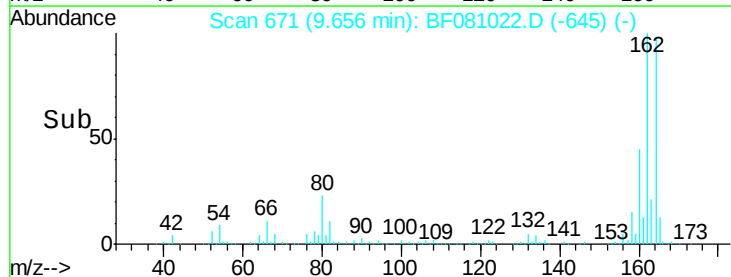
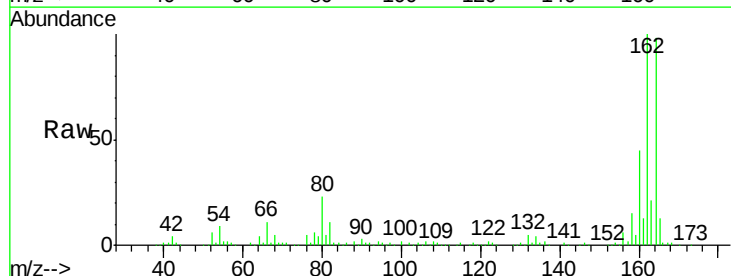
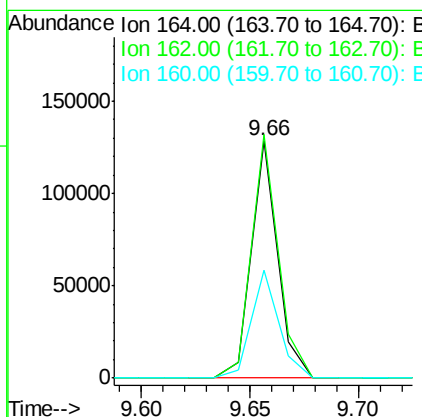
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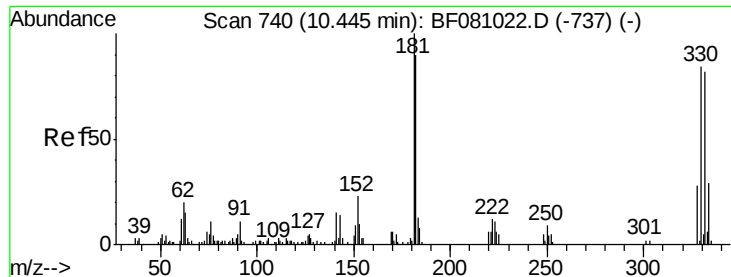
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.66 min Scan# 671
 Delta R.T. 0.00 min
 Lab File: BF081022.D
 Acq: 18 Aug 2015 1:07

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	107788		
162	102.4	83.8	125.8	
160	45.7	39.8	59.8	





#41

2,4,6-Tribromophenol

Concen: 26.85 ng

RT: 10.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF081022.D

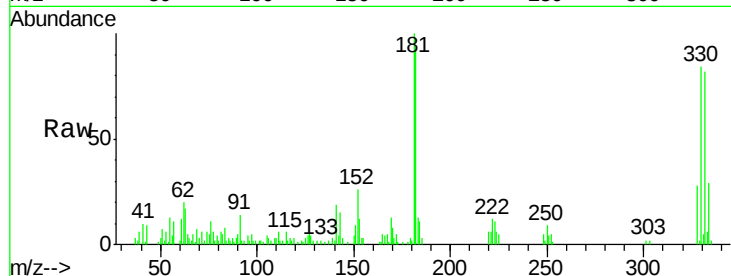
Acq: 18 Aug 2015 1:07

Instrument :

BNA_F

ClientSampleId :

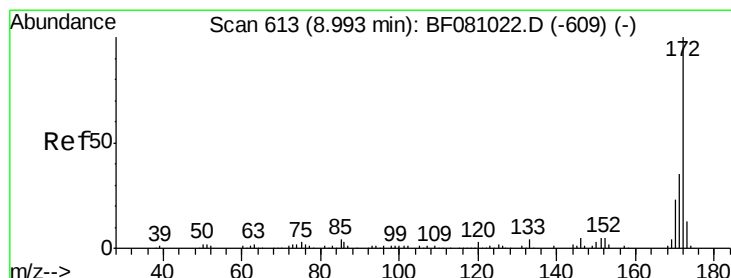
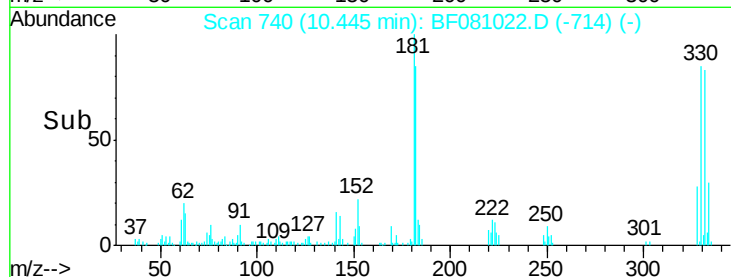
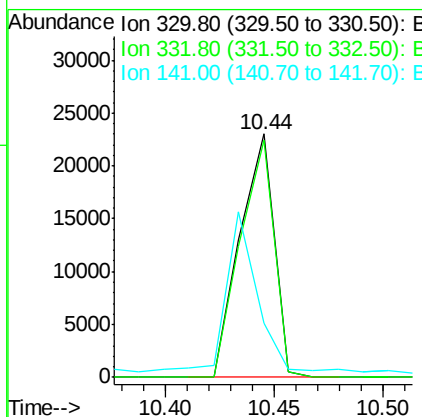
STOCKPILE8-12-15REUSEDL



Tgt Ion:	330	Resp:	25086
Ion Ratio	Lower	Upper	
330	100		
332	96.8	77.3	115.9
141	64.1	44.9	67.3

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#44

2-Fluorobiphenyl

Concen: 18.34 ng

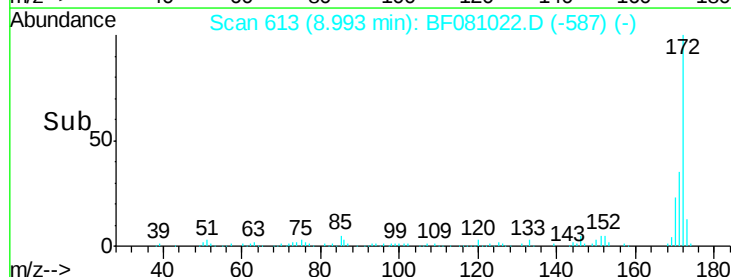
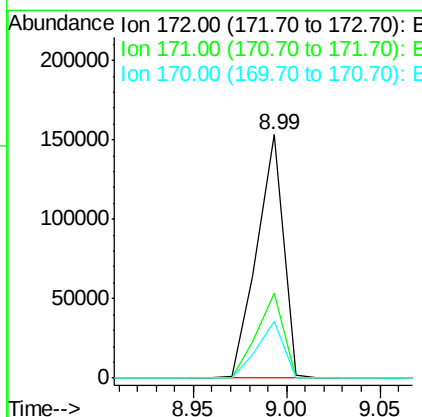
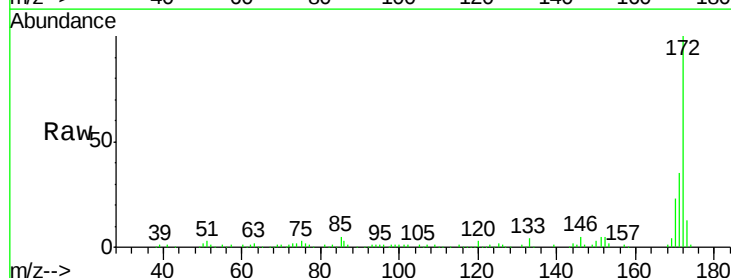
RT: 8.99 min Scan# 613

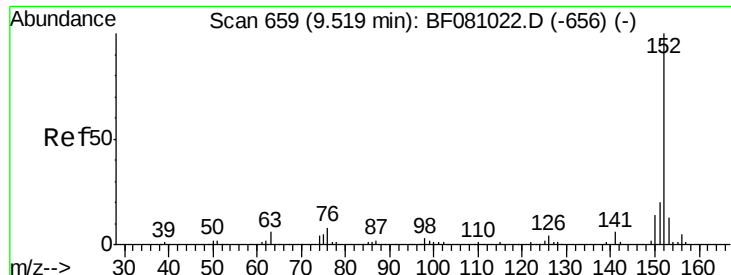
Delta R.T. 0.00 min

Lab File: BF081022.D

Acq: 18 Aug 2015 1:07

Tgt Ion:	172	Resp:	150843
Ion Ratio	Lower	Upper	
172	100		
171	34.7	28.9	43.3
170	23.3	19.4	29.2





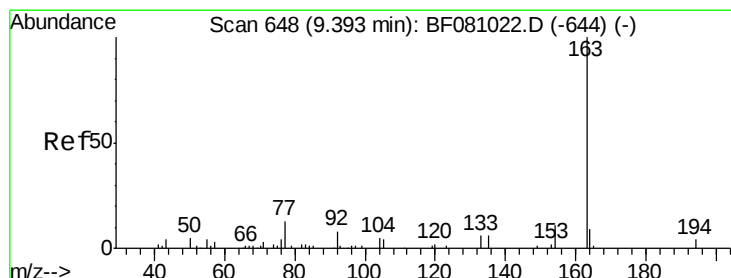
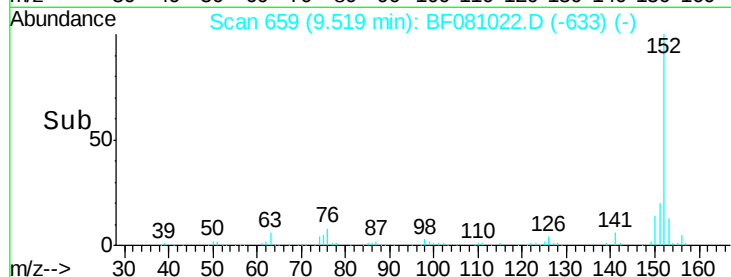
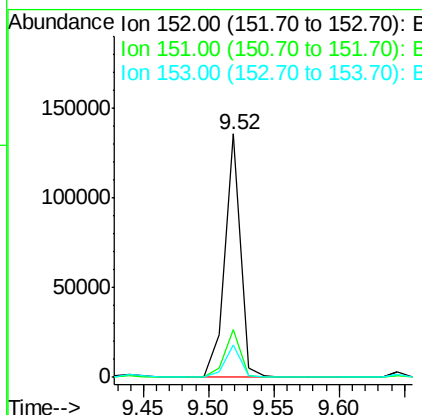
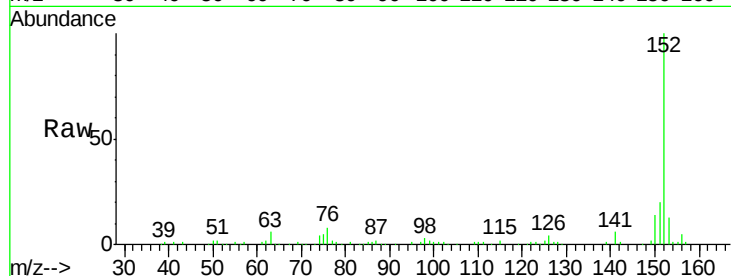
#48
Acenaphthylene
Concen: 8.41 ng
RT: 9.52 min Scan# 659
Delta R.T. 0.00 min
Lab File: BF081022.D
Acq: 18 Aug 2015 1:07

Instrument :
BNA_F
ClientSampleId :
STOCKPILE8-12-15REUSEDL

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	114780		
151	19.8	16.1	24.1	
153	13.5	9.8	14.6	

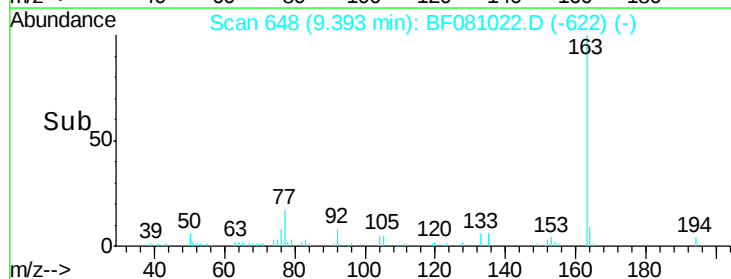
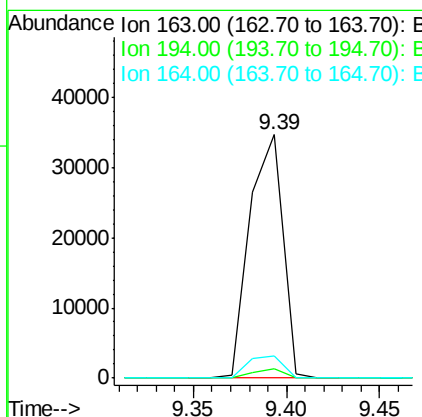
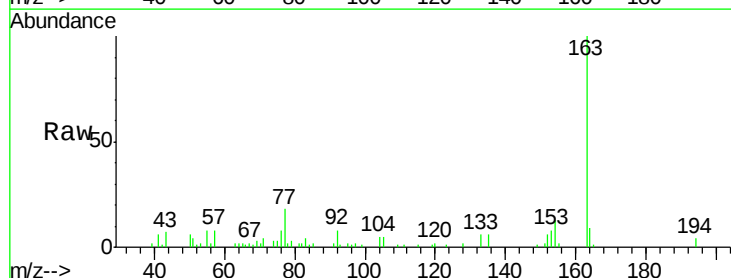
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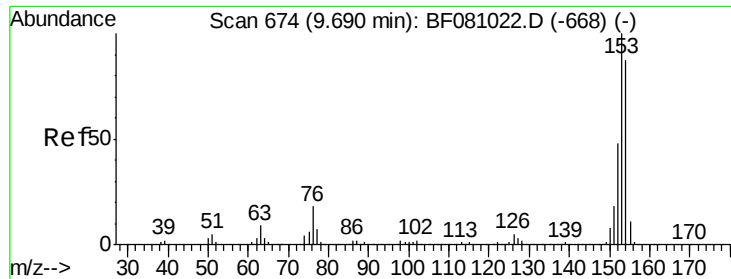
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#49
Dimethylphthalate
Concen: 4.79 ng
RT: 9.39 min Scan# 648
Delta R.T. 0.00 min
Lab File: BF081022.D
Acq: 18 Aug 2015 1:07

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	42547		
194	3.7	2.5	3.7#	
164	9.1	8.1	12.1	





#51

Acenaphthene

Concen: 18.75 ng

RT: 9.69 min Scan# 674

Delta R.T. 0.00 min

Lab File: BF081022.D

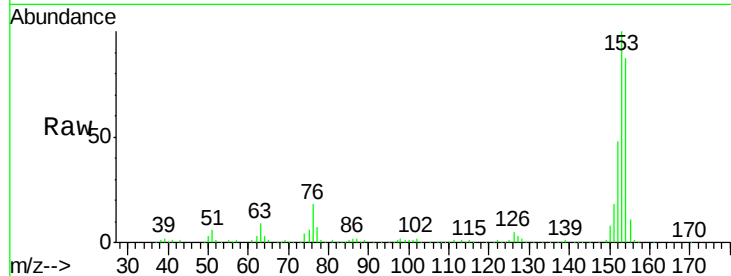
Acq: 18 Aug 2015 1:07

Instrument :

BNA_F

ClientSampleId :

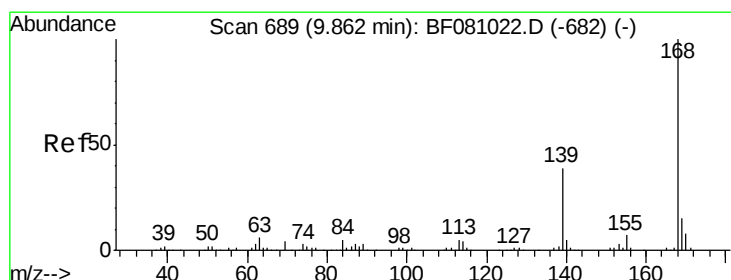
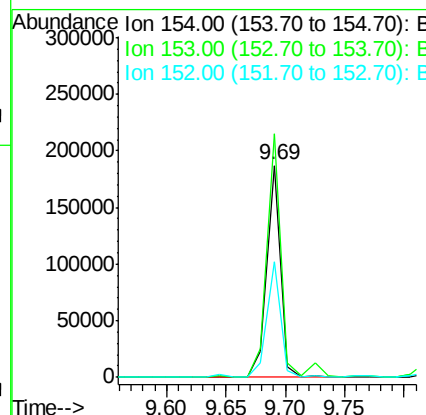
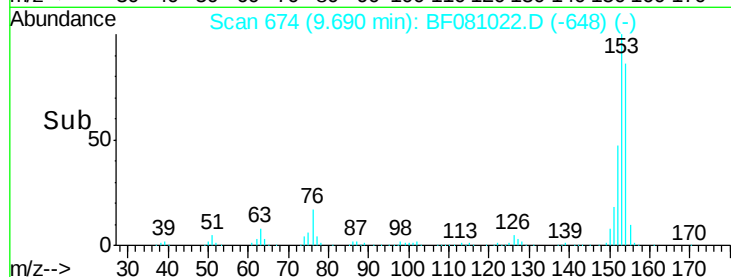
STOCKPILE8-12-15REUSEDL



Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	114.9	91.4	137.2	
152	54.8	43.7	65.5	

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#54

Dibenzofuran

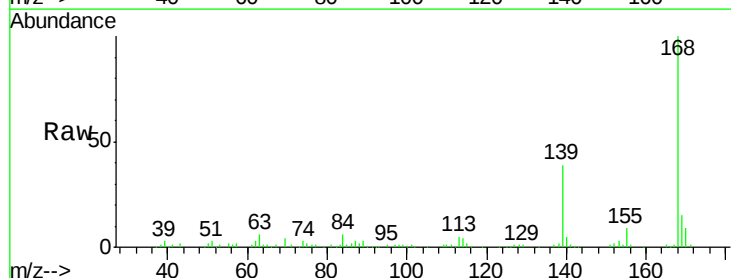
Concen: 10.45 ng

RT: 9.86 min Scan# 689

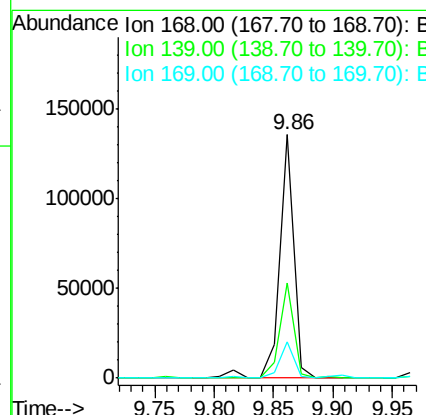
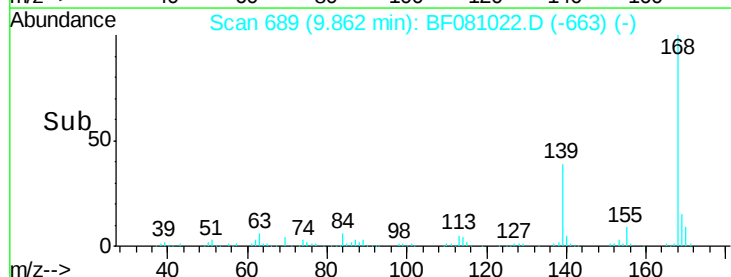
Delta R.T. 0.00 min

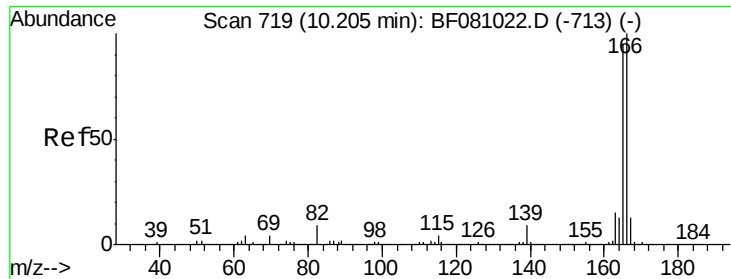
Lab File: BF081022.D

Acq: 18 Aug 2015 1:07



Tgt Ion	Ratio	Resp	Lower	Upper
168	100			
139	39.1	29.3	43.9	
169	15.0	10.3	15.5	





#57

Fluorene

Concen: 20.00 ng

RT: 10.20 min Scan# 719

Delta R.T. 0.00 min

Lab File: BF081022.D

Acq: 18 Aug 2015 1:07

Instrument :

BNA_F

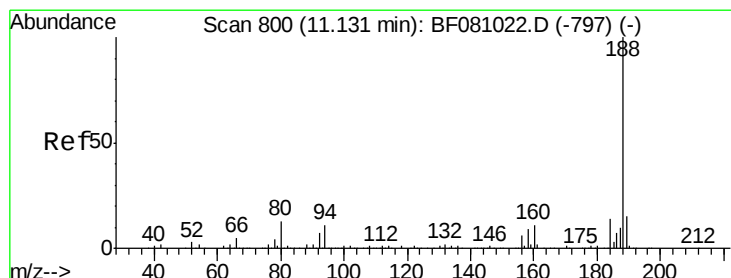
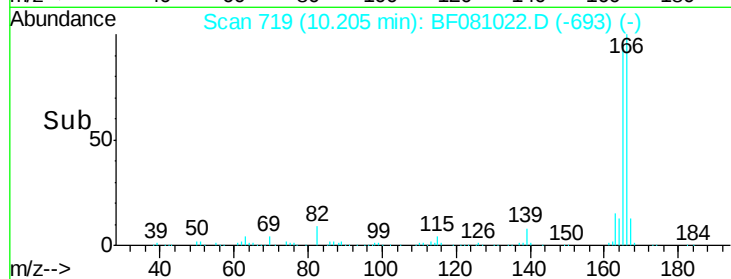
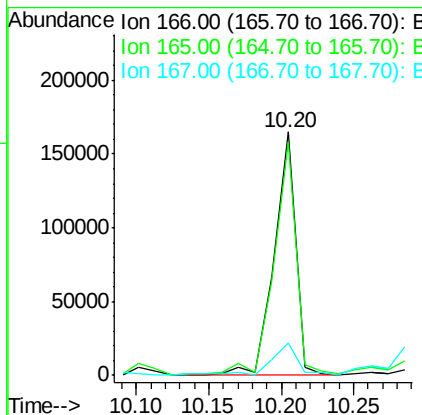
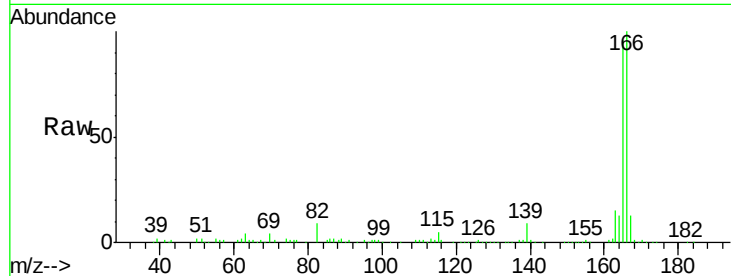
ClientSampleId :

STOCKPILE8-12-15REUSEDL

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Tgt Ion:	166	Resp:	168387
Ion Ratio	Lower	Upper	
166	100		
165	95.8	75.8	113.8
167	13.4	11.3	16.9



#63

Phenanthrene-d10

Concen: 20.00 ng

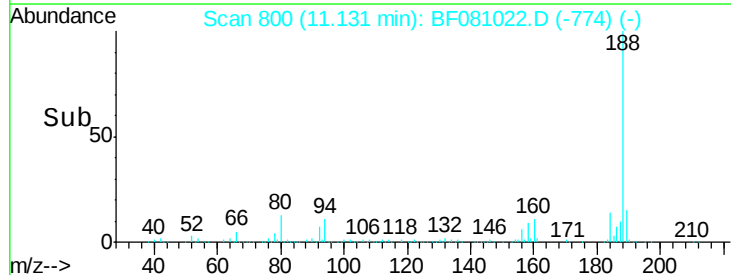
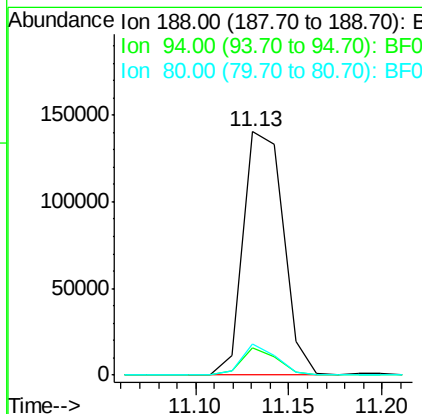
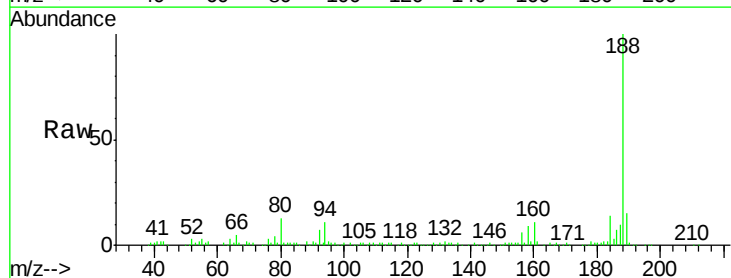
RT: 11.13 min Scan# 800

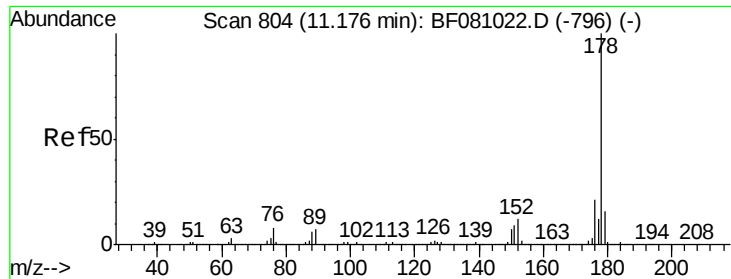
Delta R.T. 0.00 min

Lab File: BF081022.D

Acq: 18 Aug 2015 1:07

Tgt Ion:	188	Resp:	209702
Ion Ratio	Lower	Upper	
188	100		
94	11.1	8.2	12.2
80	12.7	9.5	14.3





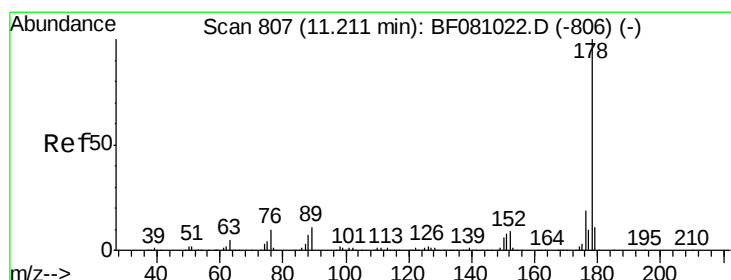
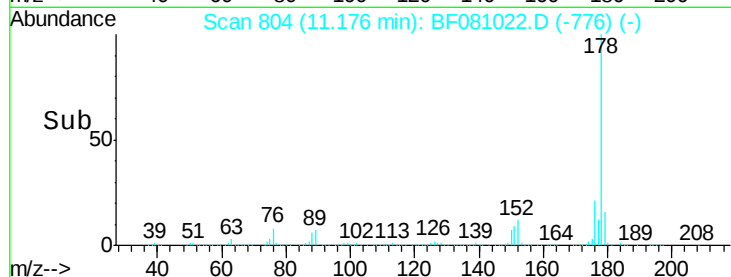
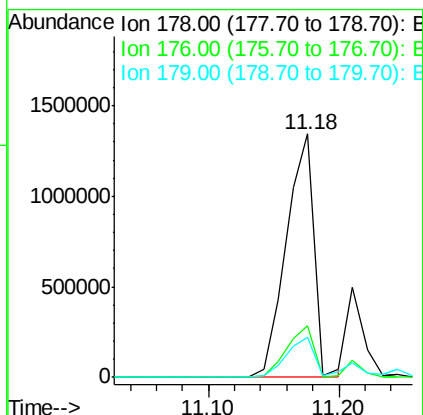
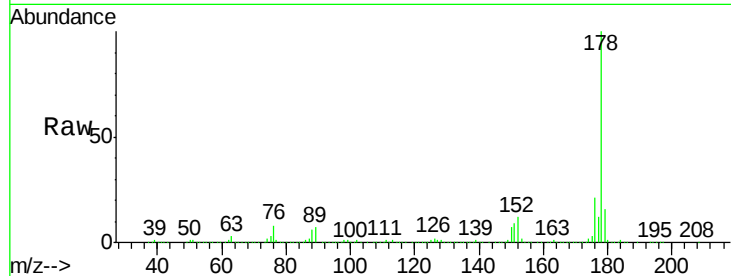
#70
Phenanthrene
Concen: 161.50 ng
RT: 11.18 min Scan# 804
Delta R.T. 0.02 min
Lab File: BF081022.D
Acq: 18 Aug 2015 1:07

Instrument :
BNA_F
ClientSampleId :
STOCKPILE8-12-15REUSEDL

Tgt Ion:178 Resp: 2007128
Ion Ratio Lower Upper
178 100
176 21.0 15.7 23.5
179 16.2 12.2 18.2

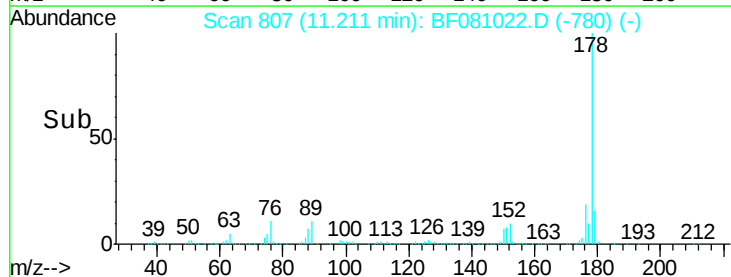
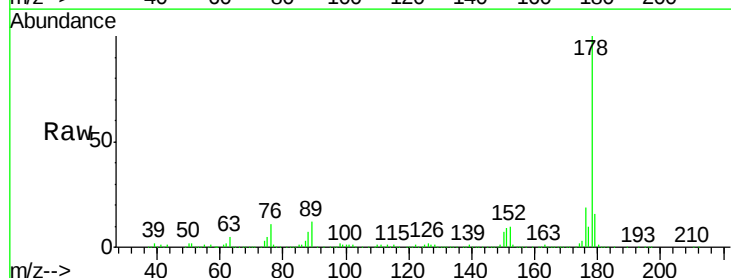
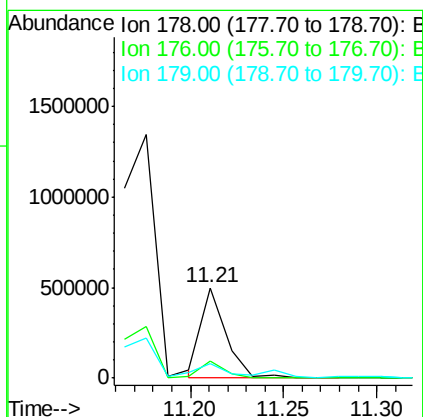
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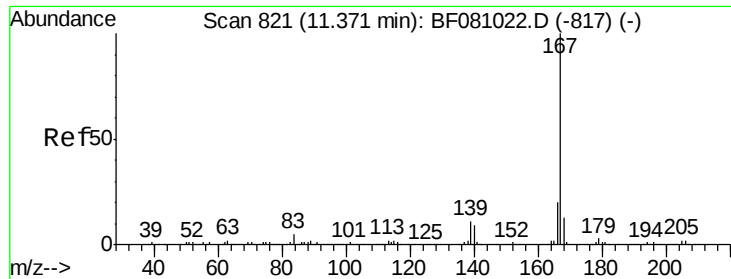
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#71
Anthracene
Concen: 37.83 ng
RT: 11.21 min Scan# 807
Delta R.T. 0.01 min
Lab File: BF081022.D
Acq: 18 Aug 2015 1:07

Tgt Ion:178 Resp: 457444
Ion Ratio Lower Upper
178 100
176 19.1 15.7 23.5
179 15.9 12.7 19.1





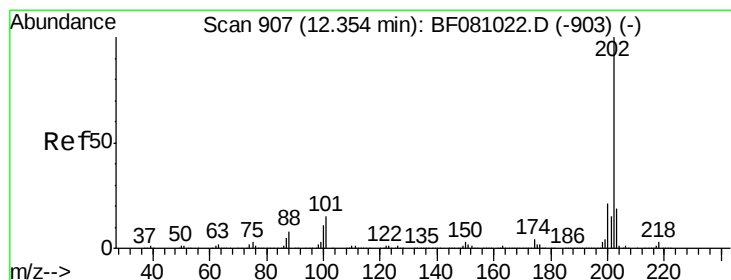
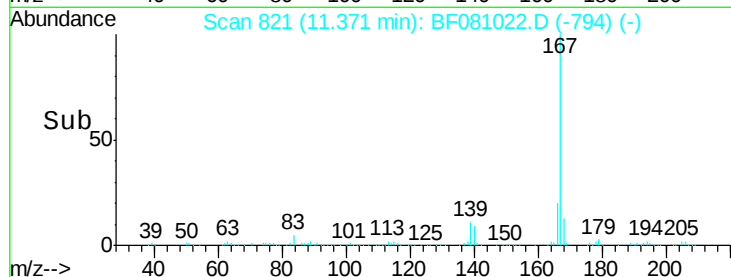
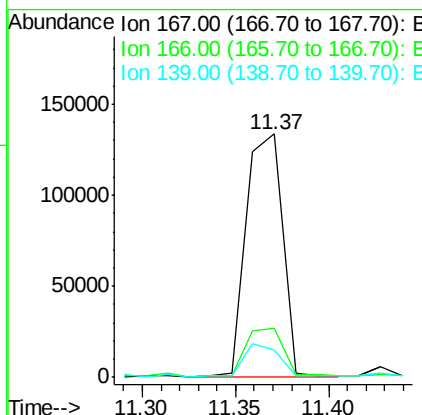
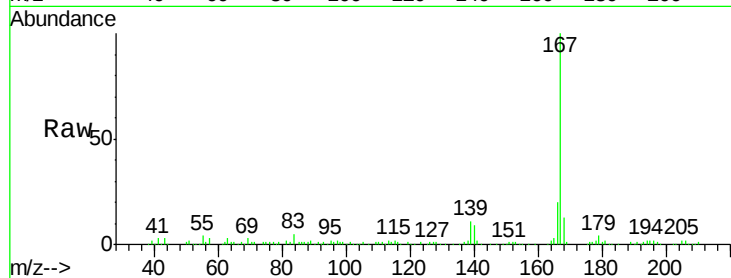
#72
 Carbazole
 Concen: 15.43 ng
 RT: 11.37 min Scan# 821
 Delta R.T. 0.01 min
 Lab File: BF081022.D
 Acq: 18 Aug 2015 1:07

Instrument :
 BNA_F
 ClientSampleId :
 STOCKPILE8-12-15REUSEDL

Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.3	17.4	26.0
139	11.1	10.6	16.0

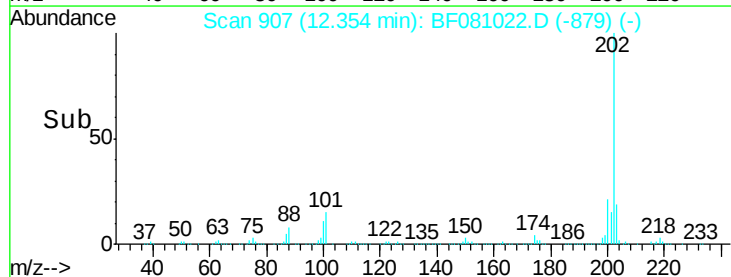
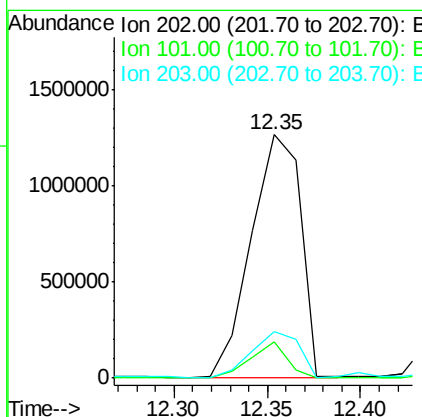
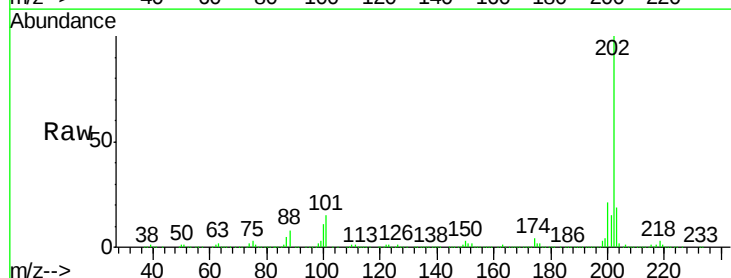
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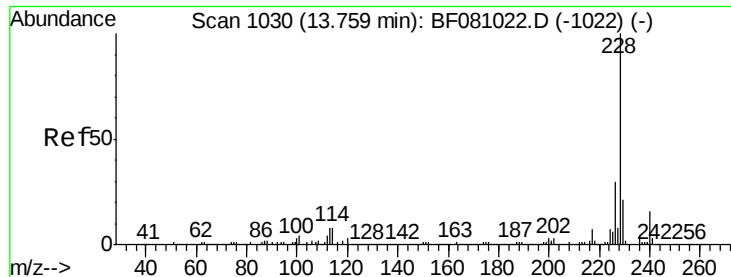
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#74
 Fluoranthene
 Concen: 173.30 ng
 RT: 12.35 min Scan# 907
 Delta R.T. 0.02 min
 Lab File: BF081022.D
 Acq: 18 Aug 2015 1:07

Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.1	0.0	24.8
203	19.0	0.0	36.9





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.76 min Scan# 1030

Delta R.T. 0.01 min

Lab File: BF081022.D

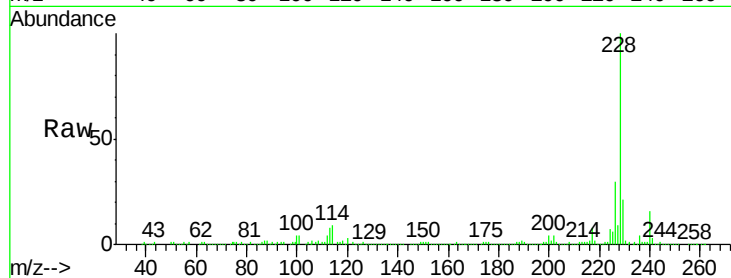
Acq: 18 Aug 2015 1:07

Instrument :

BNA_F

ClientSampleId :

STOCKPILE8-12-15REUSEDL



Tgt Ion: 240 Resp: 116211

Ion Ratio Lower Upper

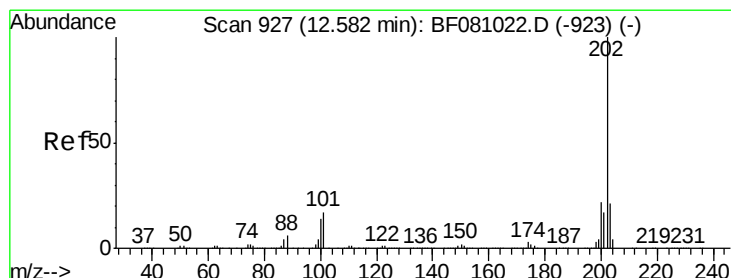
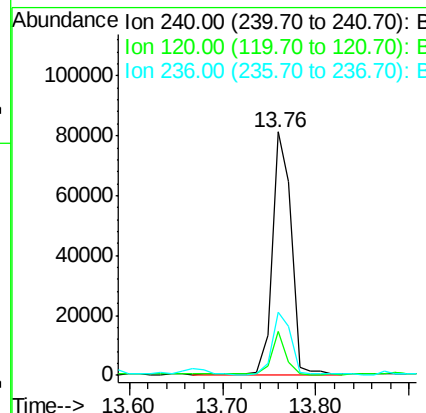
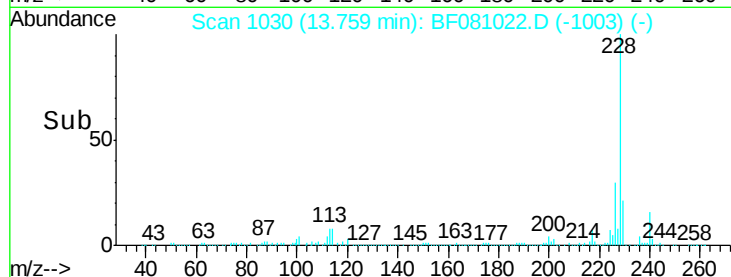
240 100

120 18.1 5.6 8.4#

236 26.0 20.6 30.8

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#77

Pyrene

Concen: 211.27 ng

RT: 12.58 min Scan# 927

Delta R.T. 0.02 min

Lab File: BF081022.D

Acq: 18 Aug 2015 1:07

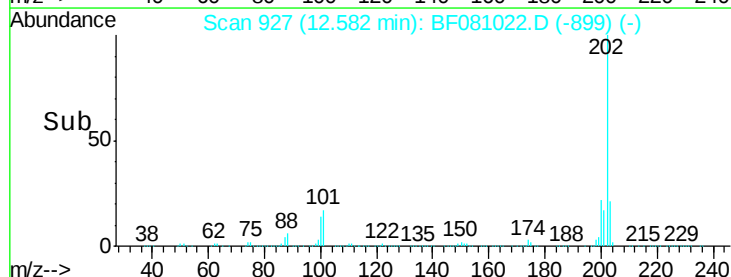
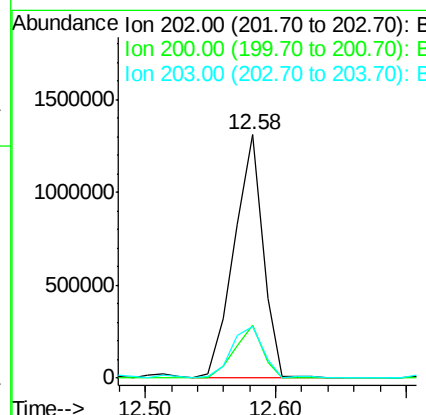
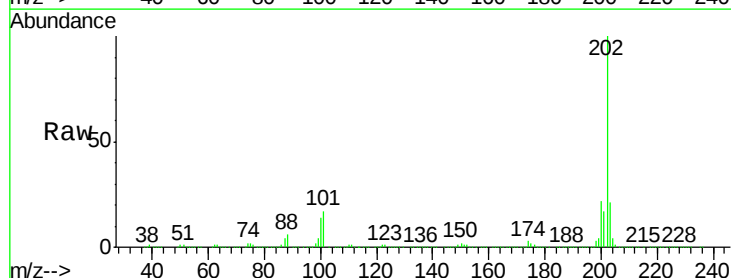
Tgt Ion: 202 Resp: 1995970

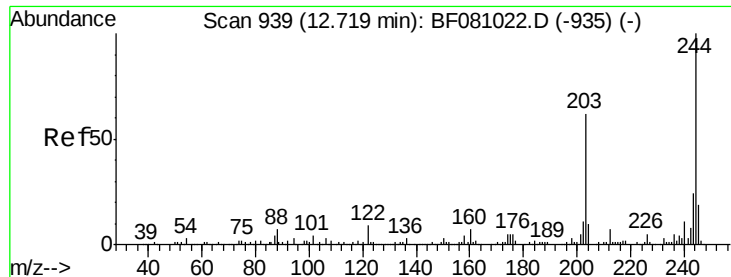
Ion Ratio Lower Upper

202 100

200 21.7 16.6 24.8

203 21.1 14.1 21.1





#78

Terphenyl-d14

Concen: 21.91 ng

RT: 12.72 min Scan# 939

Delta R.T. 0.01 min

Lab File: BF081022.D

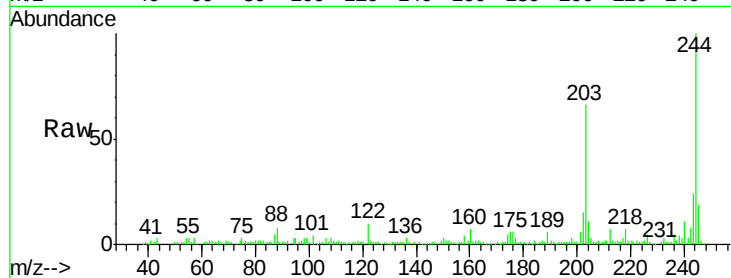
Acq: 18 Aug 2015 1:07

Instrument :

BNA_F

ClientSampleId :

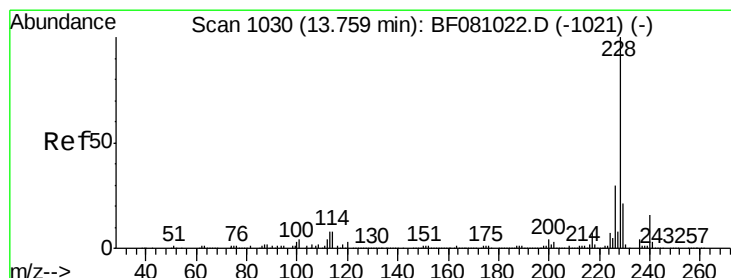
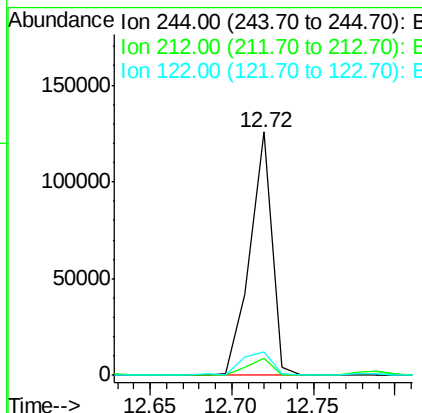
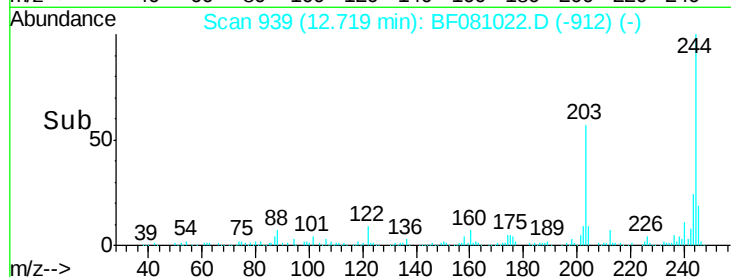
STOCKPILE8-12-15REUSEDL



Tgt Ion:	244	Resp:	118759
Ion Ratio	Lower	Upper	
244	100		
212	7.2	5.8	8.8
122	9.6	8.2	12.4

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#80

Benzo(a)anthracene

Concen: 112.36 ng

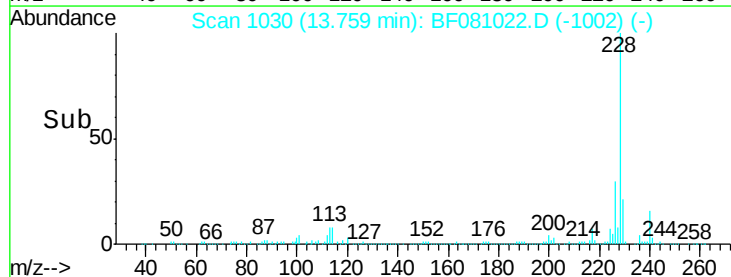
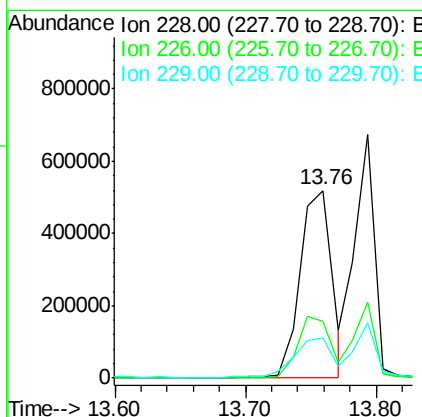
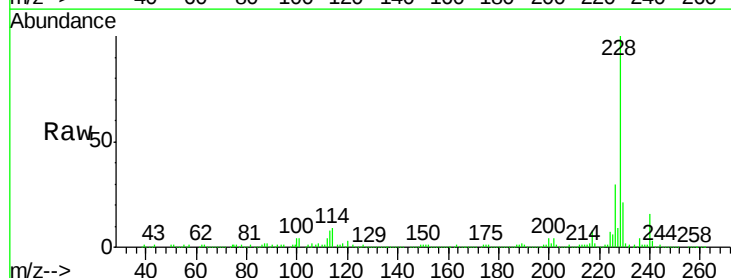
RT: 13.76 min Scan# 1030

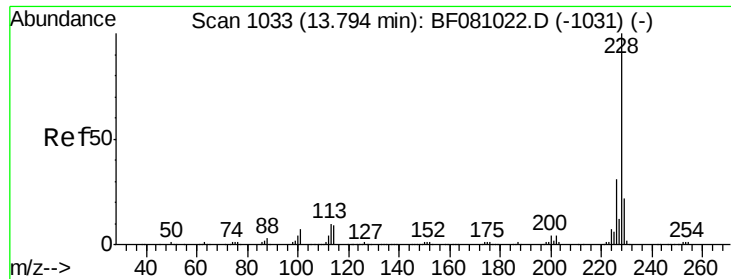
Delta R.T. 0.02 min

Lab File: BF081022.D

Acq: 18 Aug 2015 1:07

Tgt Ion:	228	Resp:	875701
Ion Ratio	Lower	Upper	
228	100		
226	29.9	22.3	33.5
229	21.1	15.9	23.9





#82

Chrysene

Concen: 99.77 ng

RT: 13.79 min Scan# 1033

Delta R.T. 0.02 min

Lab File: BF081022.D

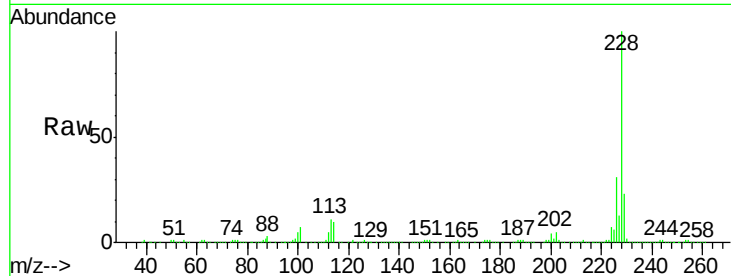
Acq: 18 Aug 2015 1:07

Instrument :

BNA_F

ClientSampleId :

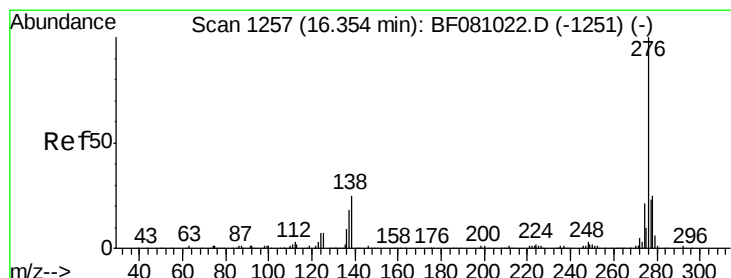
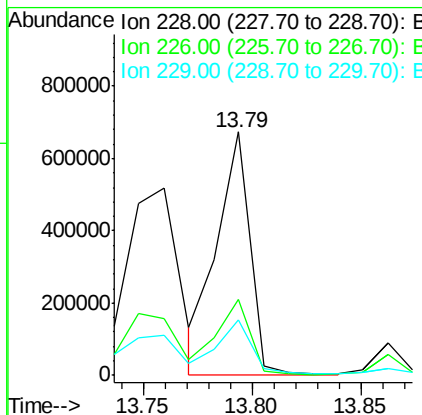
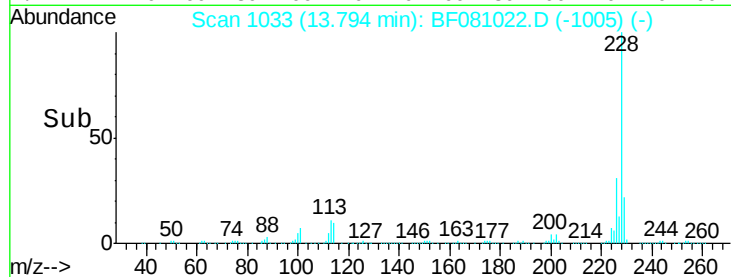
STOCKPILE8-12-15REUSEDL



Tgt Ion:	228	Resp:	700761
Ion Ratio	Lower	Upper	
228	100		
226	31.2	24.4	36.6
229	22.7	16.0	24.0

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#85

Indeno(1,2,3-cd)pyrene

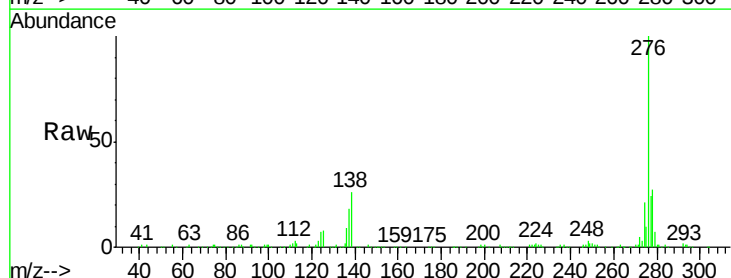
Concen: 68.08 ng

RT: 16.35 min Scan# 1257

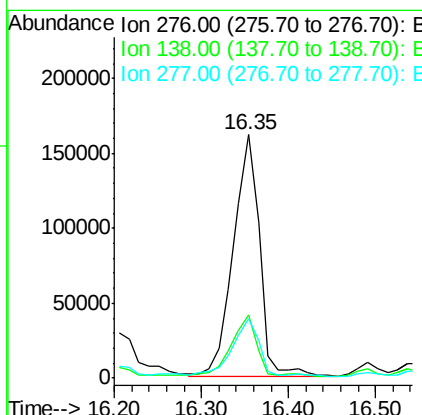
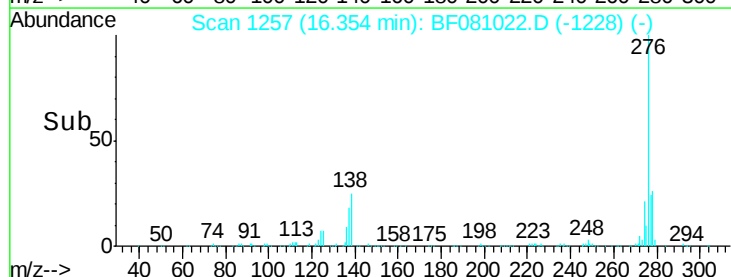
Delta R.T. 0.03 min

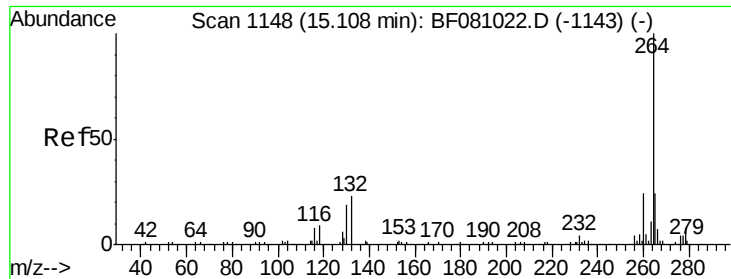
Lab File: BF081022.D

Acq: 18 Aug 2015 1:07



Tgt Ion:	276	Resp:	335734
Ion Ratio	Lower	Upper	
276	100		
138	23.4	18.6	28.0
277	23.7	19.8	29.8





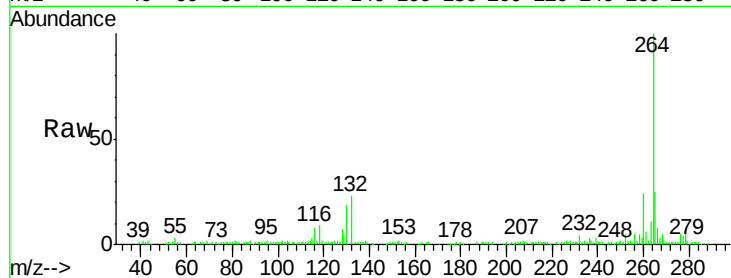
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.11 min Scan# 1148
Delta R.T. 0.01 min
Lab File: BF081022.D
Acq: 18 Aug 2015 1:07

Instrument :
BNA_F
ClientSampleId :
STOCKPILE8-12-15REUSEDL

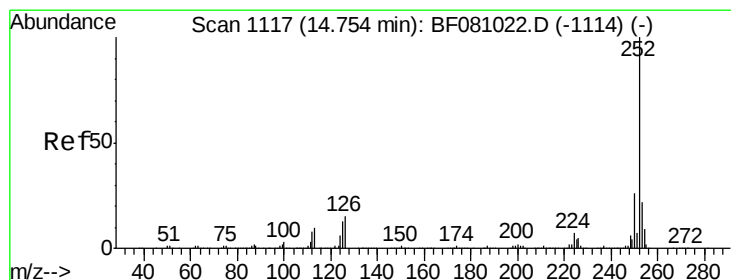
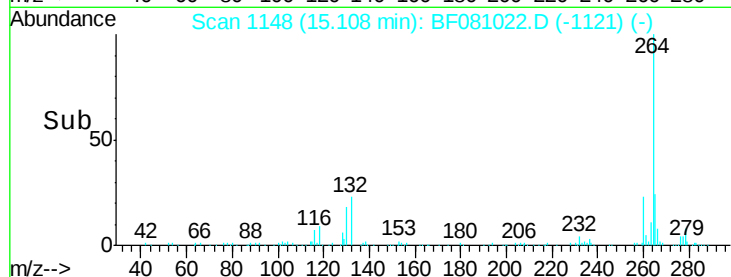
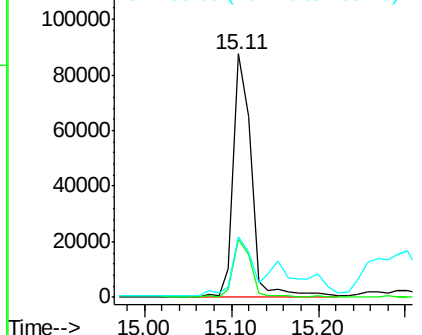
Tgt Ion	Ratio	Resp	Lower	Upper
264	100	126160		
260	23.8	19.6	29.4	
265	24.7	17.5	26.3	

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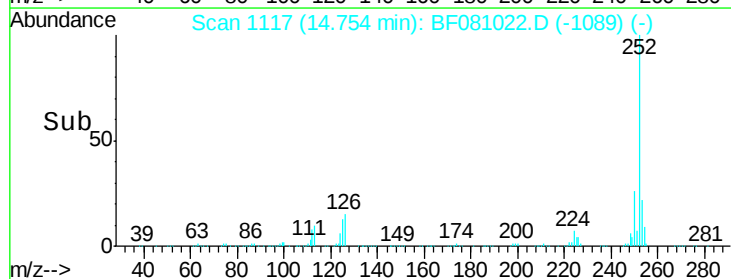
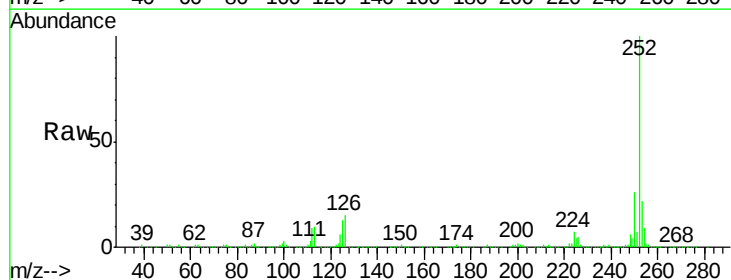
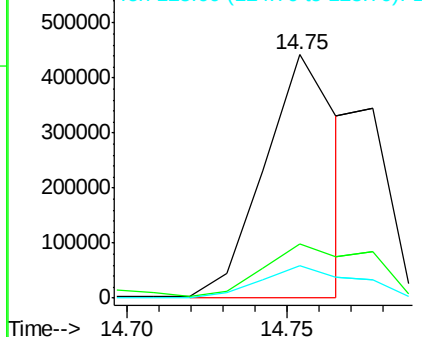
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

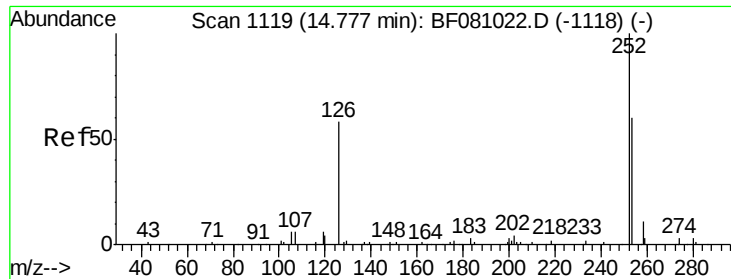


#87
Benzo(b)fluoranthene
Concen: 80.72 ng m
RT: 14.75 min Scan# 1117
Delta R.T. 0.02 min
Lab File: BF081022.D
Acq: 18 Aug 2015 1:07

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	720378		
253	22.2	17.1	25.7	
125	13.4	8.0	12.0#	

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





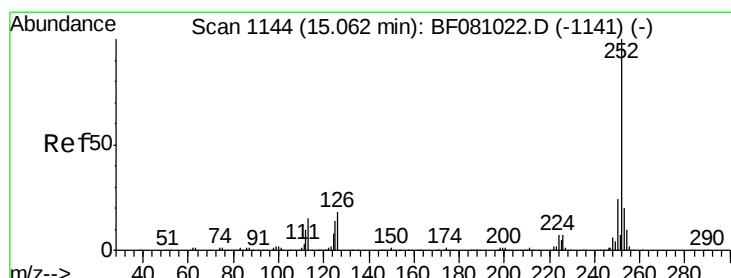
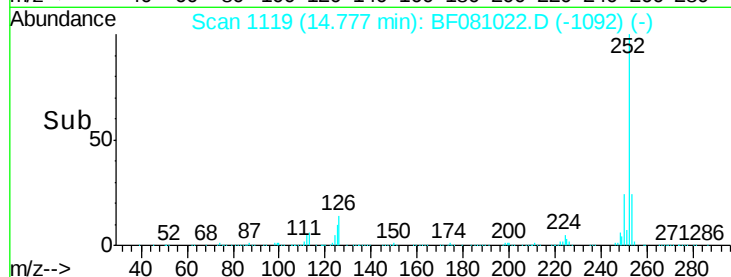
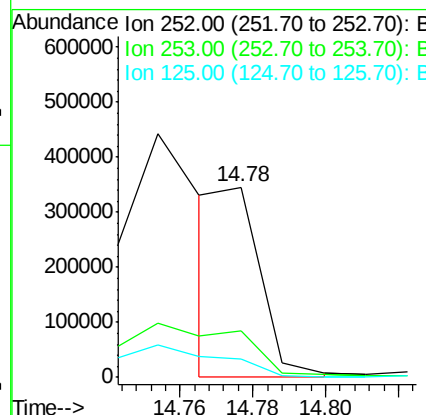
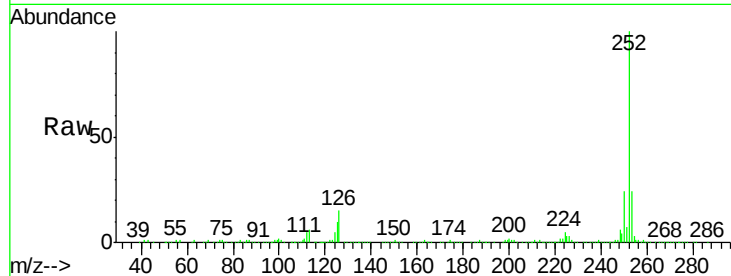
#88
Benzo(k)fluoranthene
Concen: 31.21 ng m
RT: 14.78 min Scan# 1119
Delta R.T. 0.01 min
Lab File: BF081022.D
Acq: 18 Aug 2015 1:07

Instrument :
BNA_F
ClientSampleId :
STOCKPILE8-12-15REUSEDL

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	24.3	17.6	26.4
125	9.9	10.3	15.5#

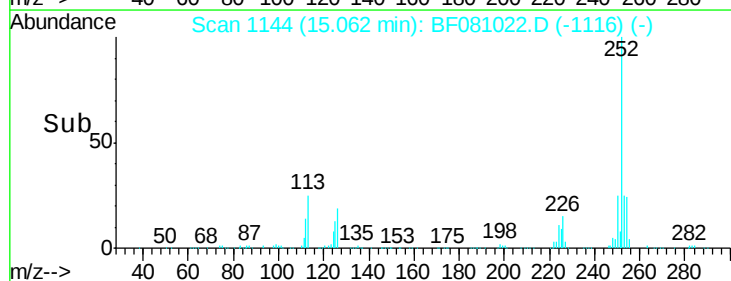
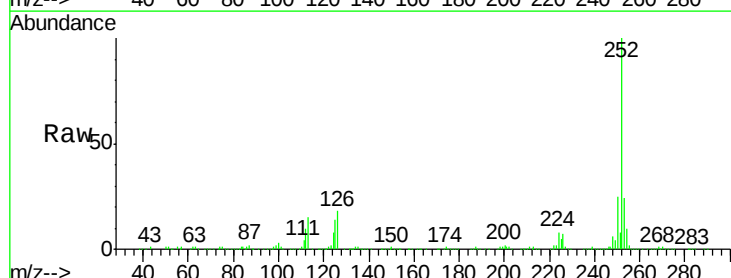
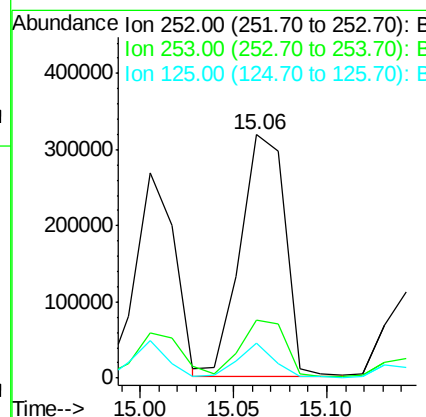
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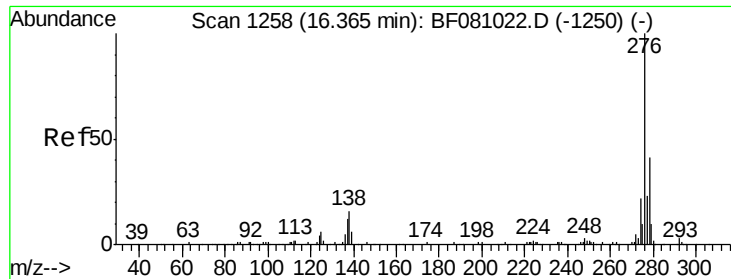
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#89
Benzo(a)pyrene
Concen: 68.54 ng
RT: 15.06 min Scan# 1144
Delta R.T. 0.02 min
Lab File: BF081022.D
Acq: 18 Aug 2015 1:07

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	23.7	16.6	25.0
125	14.1	7.8	11.8#





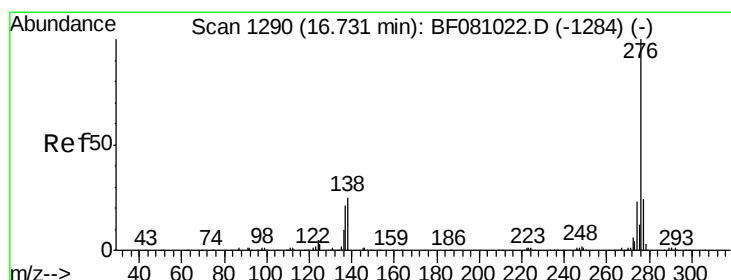
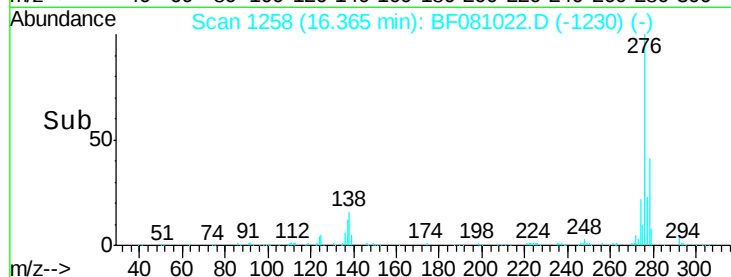
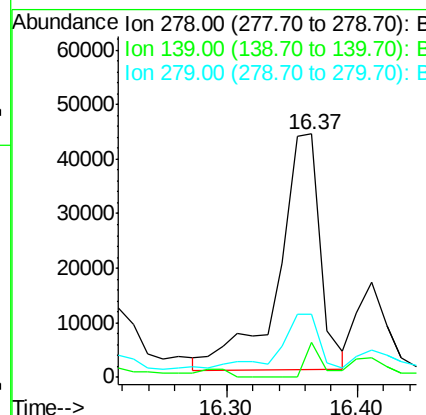
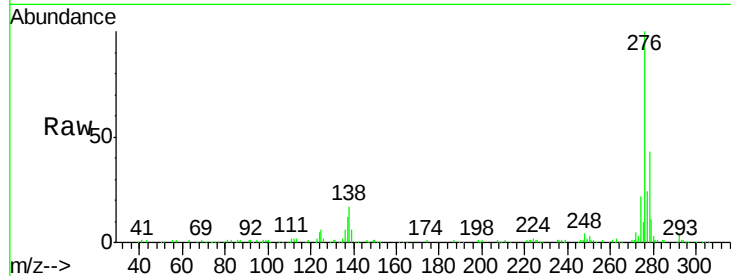
#90
Dibenzo(a,h)anthracene
Concen: 16.11 ng
RT: 16.37 min Scan# 1258
Delta R.T. 0.02 min
Lab File: BF081022.D
Acq: 18 Aug 2015 1:07

Instrument :
BNA_F
ClientSampleId :
STOCKPILE8-12-15REUSEDL

Tgt Ion	Ratio	Lower	Upper
278	100		
139	14.3	10.8	16.2
279	26.1	19.0	28.6

Manual Integrations
APPROVED

MMDadoda
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#91
Benzo(g,h,i)perylene
Concen: 52.44 ng
RT: 16.73 min Scan# 1290
Delta R.T. 0.05 min
Lab File: BF081022.D
Acq: 18 Aug 2015 1:07

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.5	18.2	27.2
138	25.0	13.7	20.5

