

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112515\
 Data File : BF083288.D
 Acq On : 25 Nov 2015 22:19
 Operator : UM/IZ
 Sample : G4567-04 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 STOCKPILE-COMPOSITE4

Manual Integrations
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mmdadoda
 11/26/2015 6:43:43 PM

Quant Time: Nov 26 04:24:40 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	6.58	152	160198m	20.00	ng	-0.08
21) Naphthalene-d8	7.87	136	593472	20.00	ng	-0.08
38) Acenaphthene-d10	9.62	164	263276	20.00	ng	-0.08
63) Phenanthrene-d10	11.10	188	403529	20.00	ng	-0.08
75) Chrysene-d12	13.73	240	410133	20.00	ng	-0.08
86) Perylene-d12	15.07	264	418545	20.00	ng	-0.09
System Monitoring Compounds						
5) 2-Fluorophenol	5.18	112	327630	30.92	ng	-0.10
7) Phenol-d6	6.25	99	475852	34.71	ng	-0.09
23) Nitrobenzene-d5	7.15	82	298730	23.00	ng	-0.08
41) 2,4,6-Tribromophenol	10.41	330	71363	26.49	ng	-0.08
44) 2-Fluorobiphenyl	8.96	172	408827	21.65	ng	-0.07
78) Terphenyl-d14	12.69	244	273496	15.70	ng	-0.08
Target Compounds						Qvalue
31) Naphthalene	7.90	128	459392	14.34	ng	100
37) 2-Methylnaphthalene	8.59	142	137157	6.60	ng	97
48) Acenaphthylene	9.48	152	477606	17.51	ng	100
49) Dimethylphthalate	9.36	163	76000	3.75	ng	99
51) Acenaphthene	9.66	154	75347	4.54	ng	99
57) Fluorene	10.17	166	71242	3.67	ng	88
70) Phenanthrene	11.12	178	299187	12.87	ng	98
71) Anthracene	11.18	178	247629	10.44	ng	97
74) Fluoranthene	12.31	202	451778	18.99	ng	95
77) Pyrene	12.53	202	886463	31.64	ng	98
80) Benzo(a)anthracene	13.71	228	398473	15.71	ng	# 65
82) Chrysene	13.75	228	443995m	18.87	ng	
85) Indeno(1,2,3-cd)pyrene	16.30	276	254431	11.89	ng	98
87) Benzo(b)fluoranthene	14.72	252	541413m	18.93	ng	
88) Benzo(k)fluoranthene	14.73	252	95074m	4.46	ng	
89) Benzo(a)pyrene	15.03	252	541781	22.95	ng	# 97
90) Dibenzo(a,h)anthracene	16.31	278	70202m	3.27	ng	
91) Benzo(g,h,i)perylene	16.66	276	250329m	11.96	ng	

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

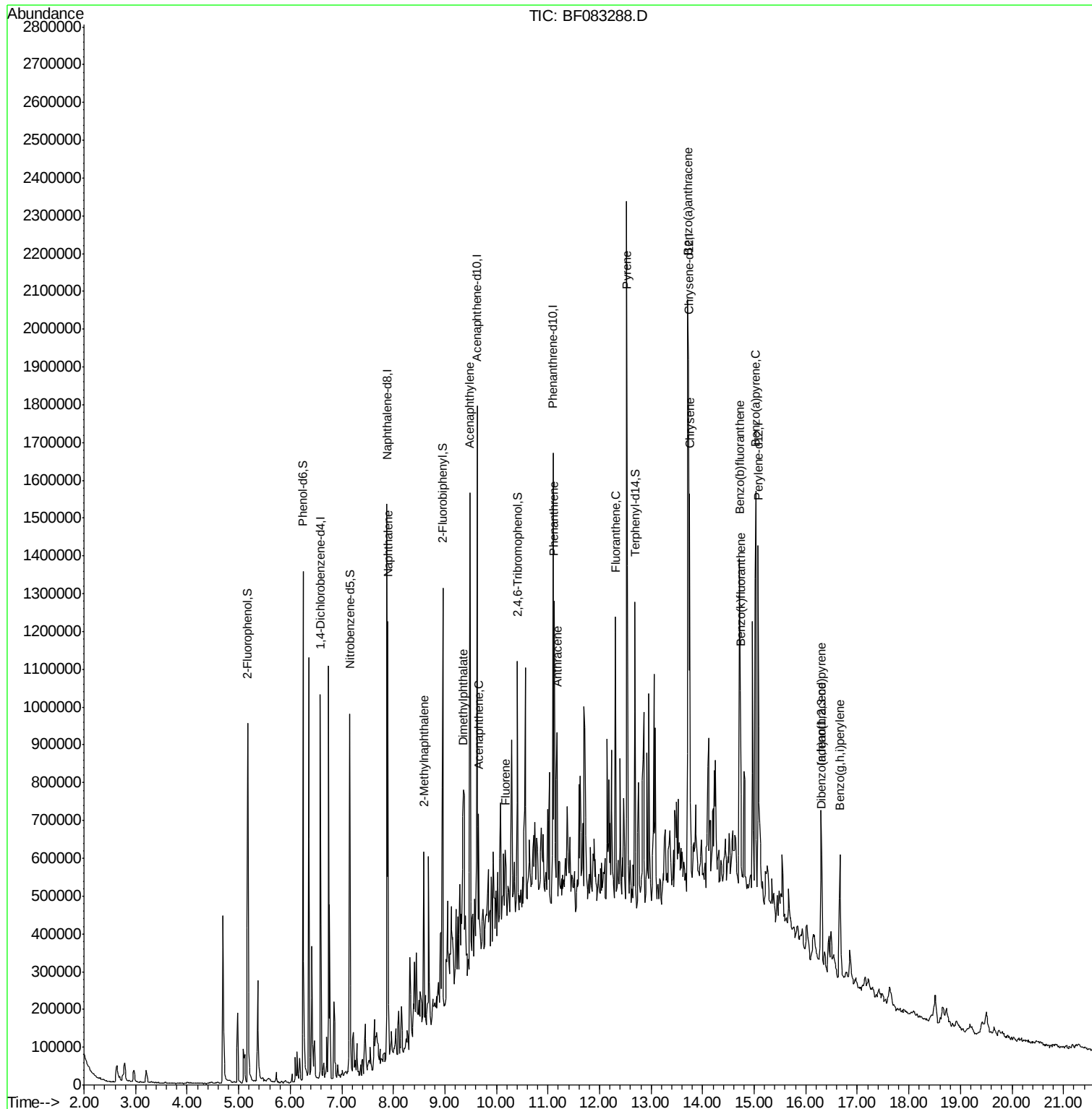
Data Path : Z:\HPCHEM1\BNA F\DATA\BF112515\
Data File : BF083288.D
Acq On : 25 Nov 2015 22:19
Operator : UM/IZ
Sample : G4567-04 5X
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ALS Vial : 15 Sample Multiplier: 1

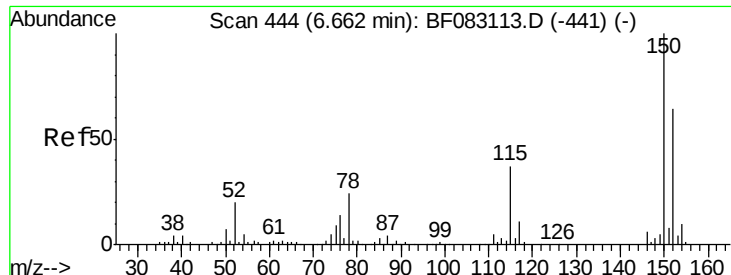
Instrument :
BNA_F
ClientSampleId :
STOCKPILE-COMPOSITE4

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11/26/2015 6:43:43 PM

Quant Time: Nov 26 04:24:40 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

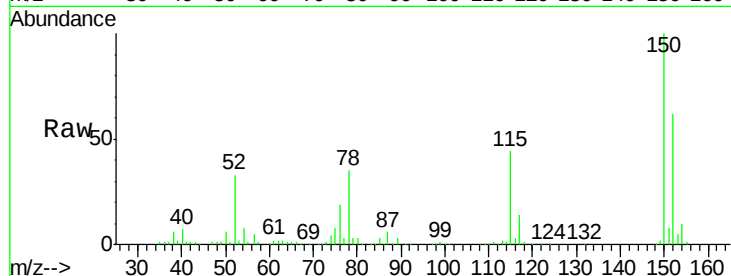
1,4-Dichlorobenzene-d4
Concen: 20.00 ng/ml
RT: 6.58 min Scan# 402
Delta R.T. -0.08 min
Lab File: BF083288.D
Acq: 25 Nov 2015 22:19

Instrument :
BNA_F
ClientSampleId :
STOCKPILE-COMPOSITE4

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.7	125.8	188.8
115	71.8	46.9	70.3

Manual Integrations
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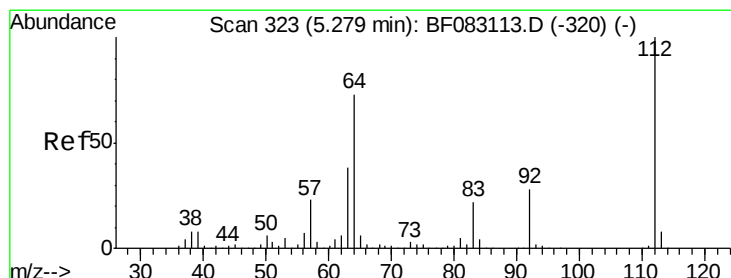
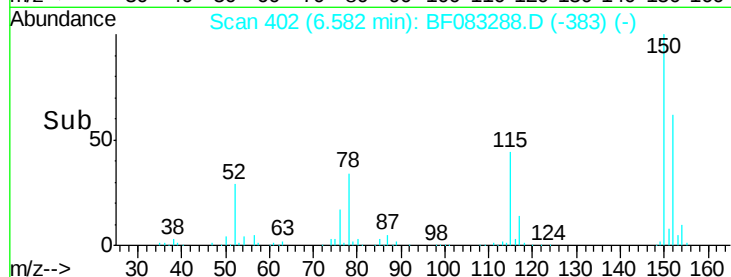
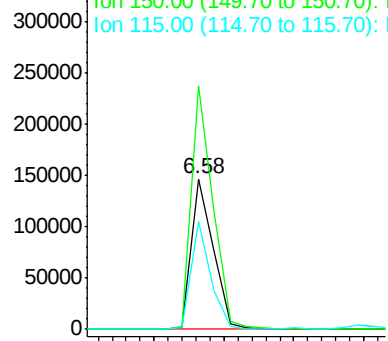


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

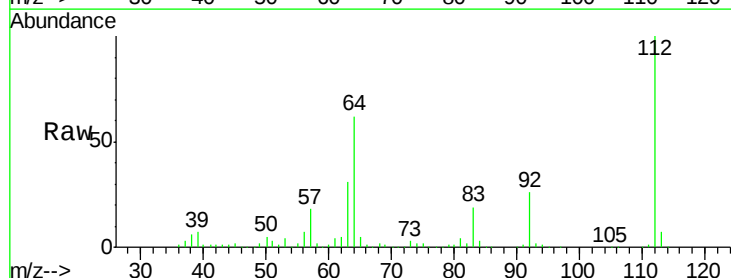
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 30.92 ng
RT: 5.18 min Scan# 279
Delta R.T. -0.10 min
Lab File: BF083288.D
Acq: 25 Nov 2015 22:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.0	58.4	87.6
63	31.3	30.0	45.0

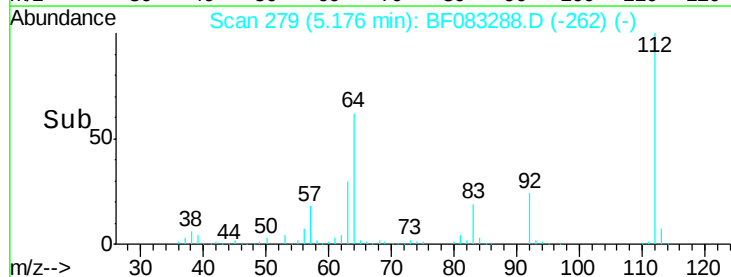
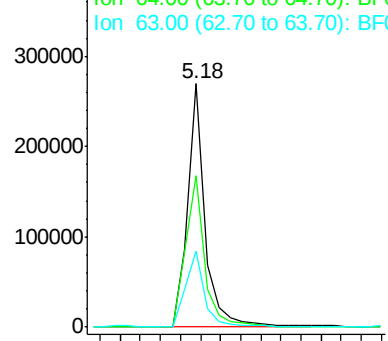


Abundance

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: 34.71 ng

RT: 6.25 min Scan# 373

Delta R.T. -0.09 min

Lab File: BF083288.D

Acq: 25 Nov 2015 22:19

Instrument :

BNA_F

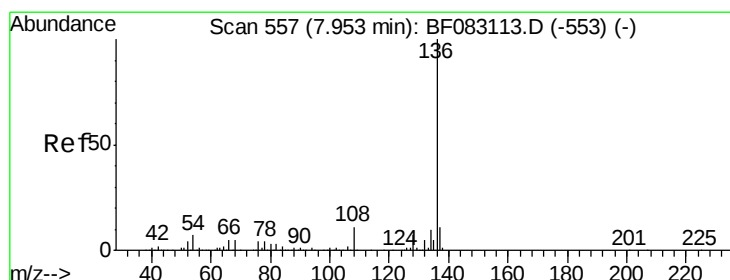
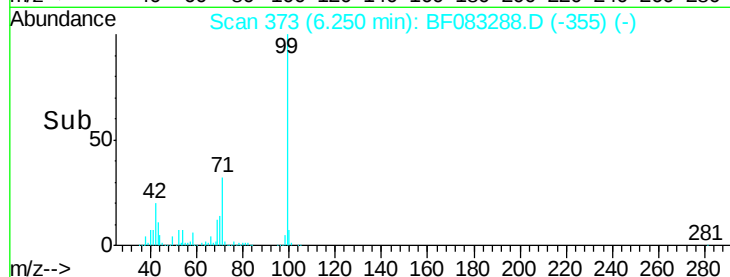
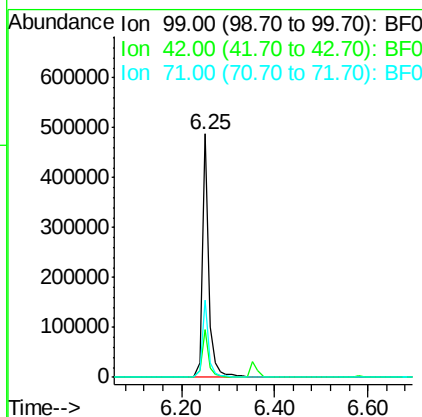
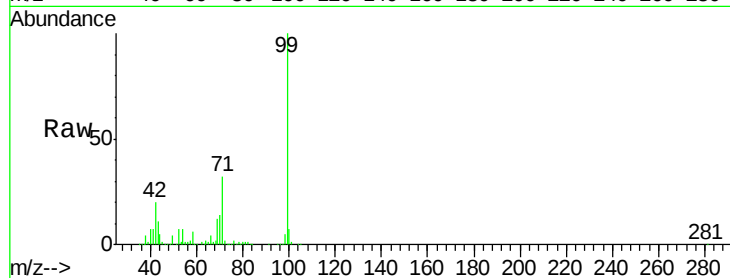
ClientSampleId :

STOCKPILE-COMPOSITE4

Tot Ion:	99	Resp:	475852
Ion Ratio	Lower	Upper	
99	100		
42	19.8	17.7	26.5
71	31.8	30.2	45.4

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#21

Naphthalene-d8

Concen: 20.00 ng

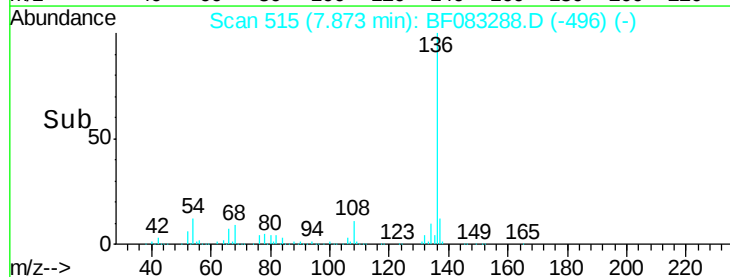
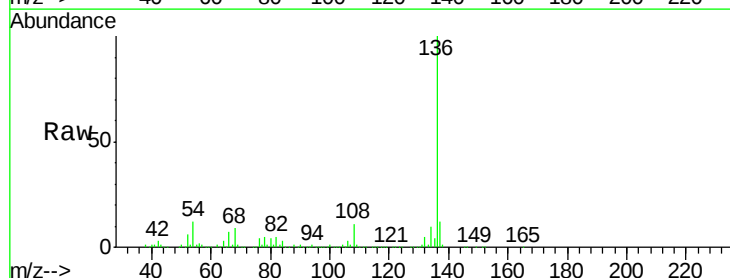
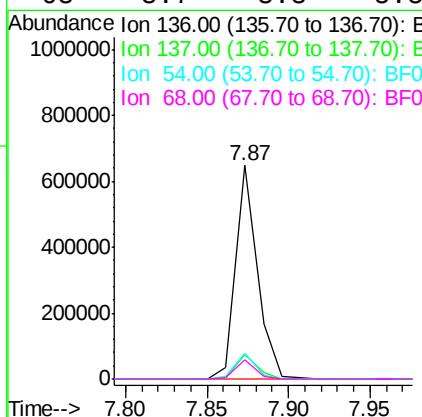
RT: 7.87 min Scan# 515

Delta R.T. -0.08 min

Lab File: BF083288.D

Acq: 25 Nov 2015 22:19

Tgt Ion:	136	Resp:	593472
Ion Ratio	Lower	Upper	
136	100		
137	11.6	8.7	13.1
54	12.3	5.8	8.6#
68	8.7	3.8	5.8#





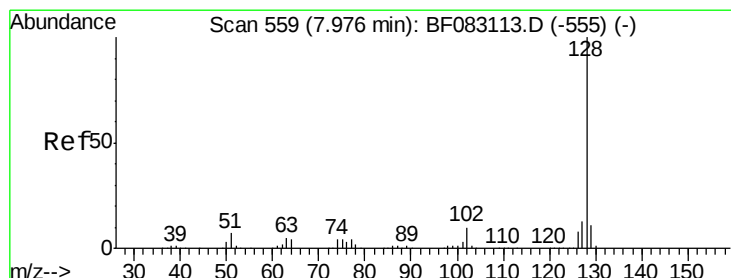
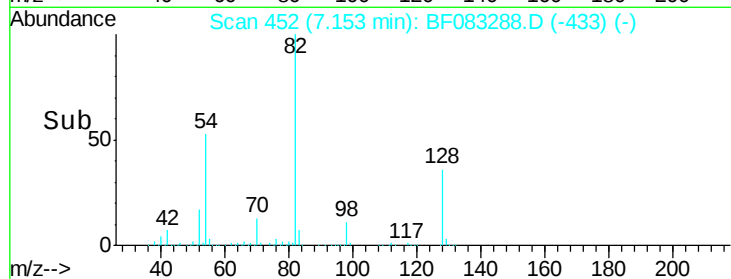
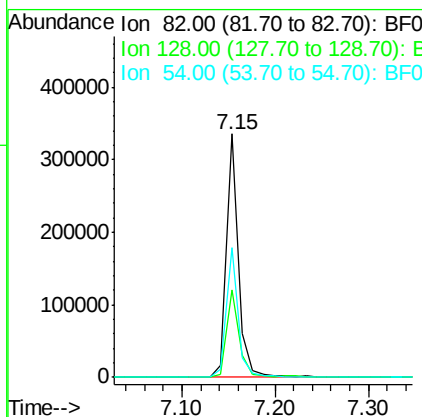
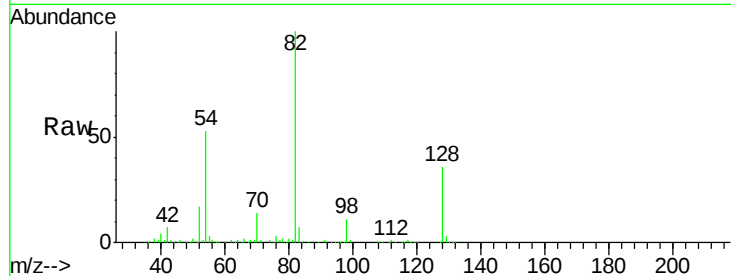
#23
Nitrobenzene-d5
Concen: 23.00 ng
RT: 7.15 min Scan# 452
Delta R.T. -0.08 min
Lab File: BF083288.D
Acq: 25 Nov 2015 22:19

Instrument :
BNA_F
ClientSampleId :
STOCKPILE-COMPOSITE4

Tot Ion	Ratio	Lower	Upper
82	100		
128	36.1	28.5	42.7
54	53.4	44.6	67.0

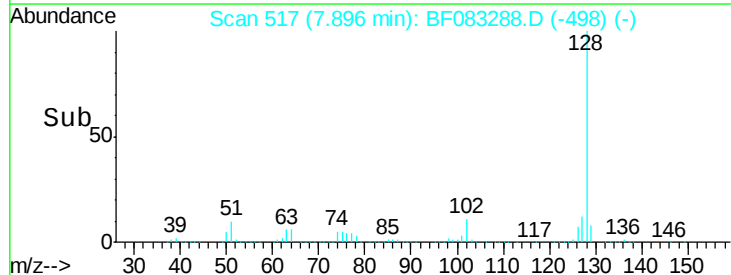
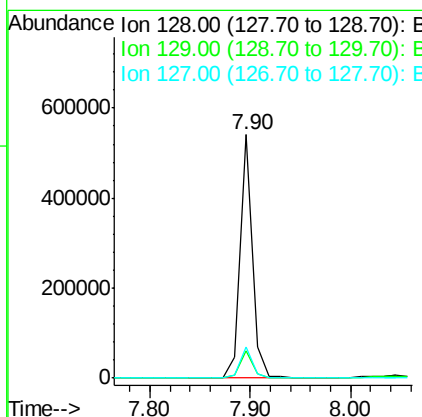
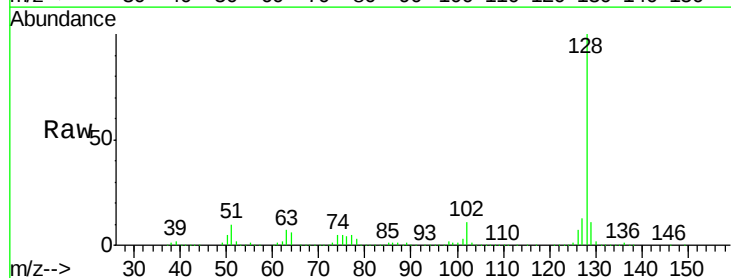
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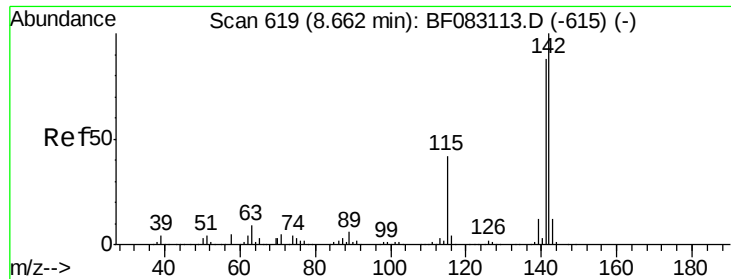
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#31
Naphthalene
Concen: 14.34 ng
RT: 7.90 min Scan# 517
Delta R.T. -0.08 min
Lab File: BF083288.D
Acq: 25 Nov 2015 22:19

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.0	13.4
127	12.9	10.6	15.8





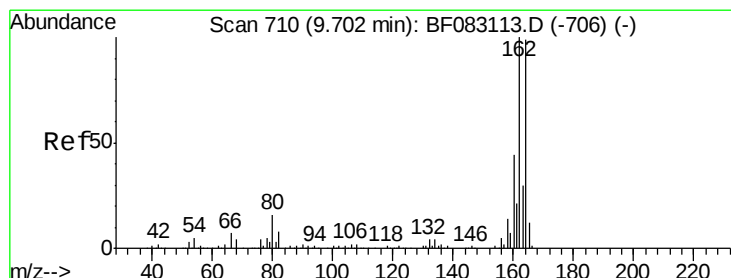
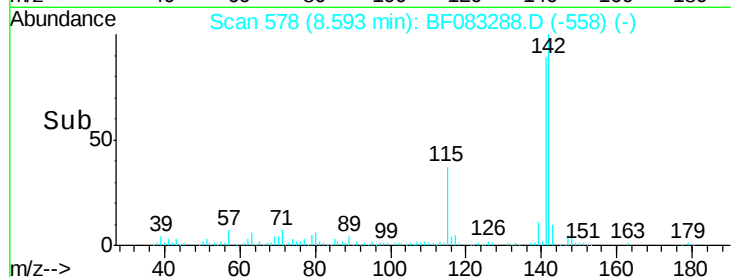
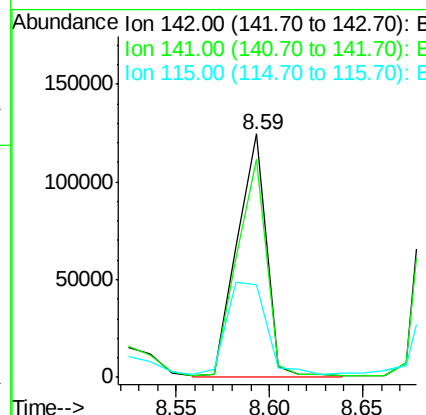
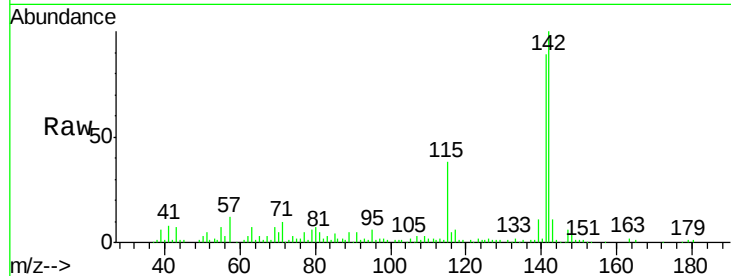
#37
2-Methylnaphthalene
Concen: 6.60 ng
RT: 8.59 min Scan# 578
Delta R.T. -0.07 min
Lab File: BF083288.D
Acq: 25 Nov 2015 22:19

Instrument :
BNA_F
ClientSampleId :
STOCKPILE-COMPOSITE4

Tot Ion	Ratio	Resp	Lower	Upper
142	100	137157		
141	89.4	70.3	105.5	
115	37.9	33.4	50.2	

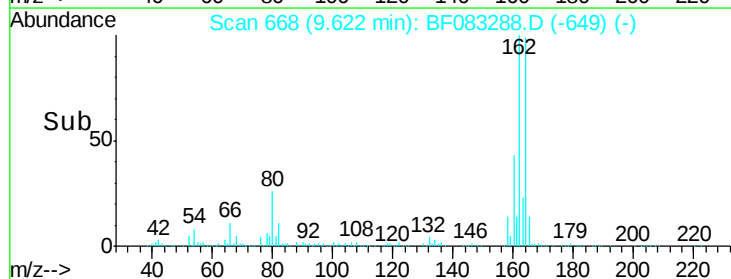
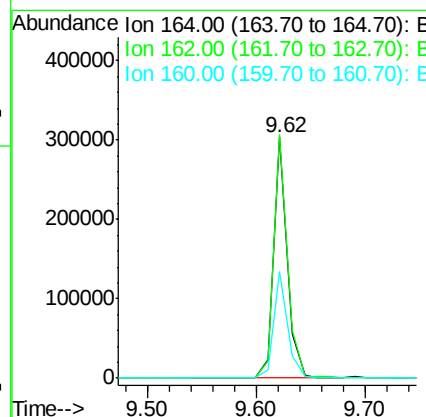
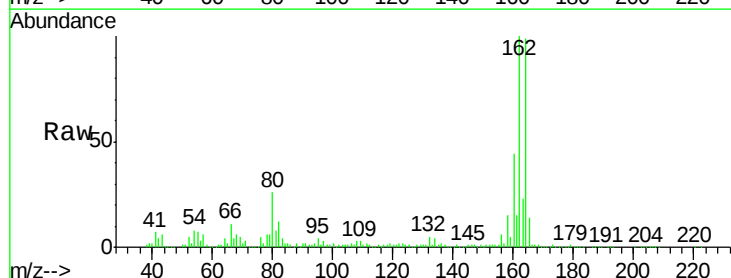
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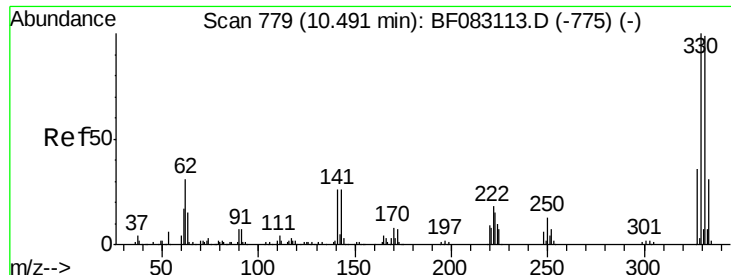
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.62 min Scan# 668
Delta R.T. -0.08 min
Lab File: BF083288.D
Acq: 25 Nov 2015 22:19

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	263276		
162	101.2	81.2	121.8	
160	44.3	35.6	53.4	





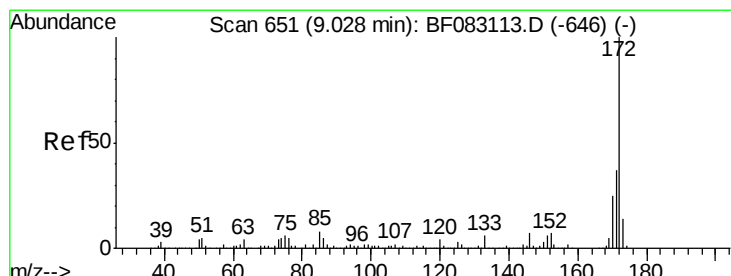
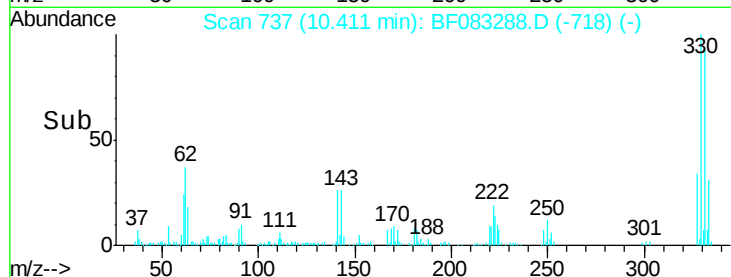
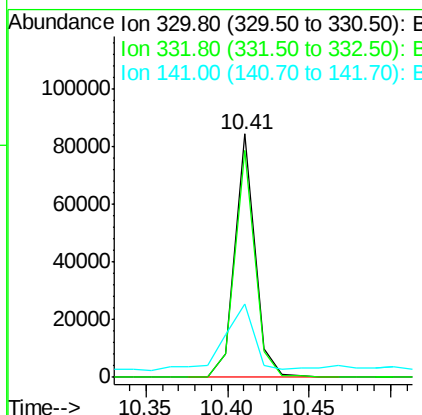
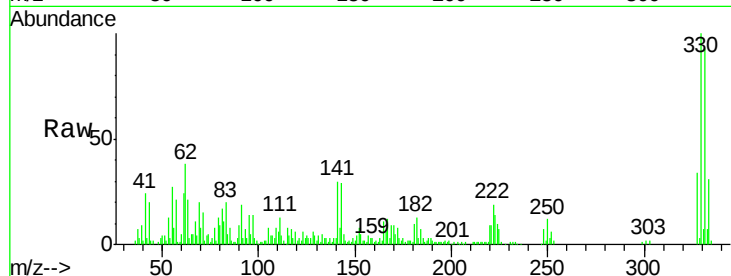
#41
 2,4,6-Tribromophenol
 Concen: 26.49 ng
 RT: 10.41 min Scan# 737
 Delta R.T. -0.08 min
 Lab File: BF083288.D
 Acq: 25 Nov 2015 22:19

Instrument :
 BNA_F
 ClientSampleId :
 STOCKPILE-COMPOSITE4

Tot Ion	Ratio	Lower	Upper
330	100		
332	93.3	77.7	116.5
141	40.5	29.7	44.5

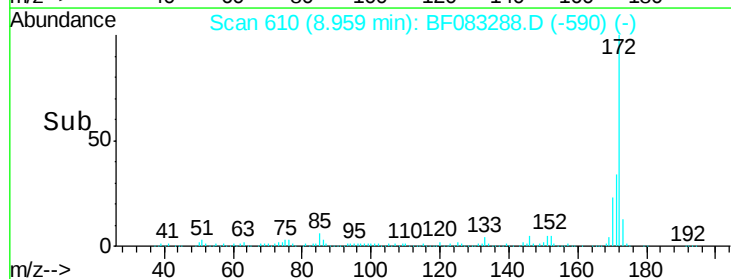
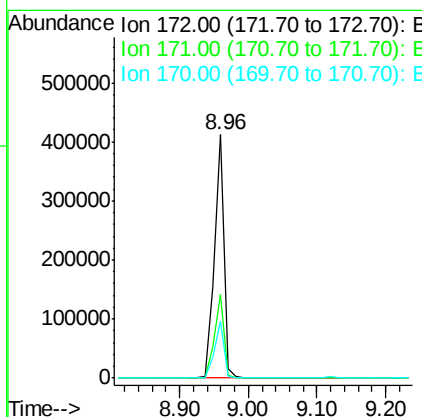
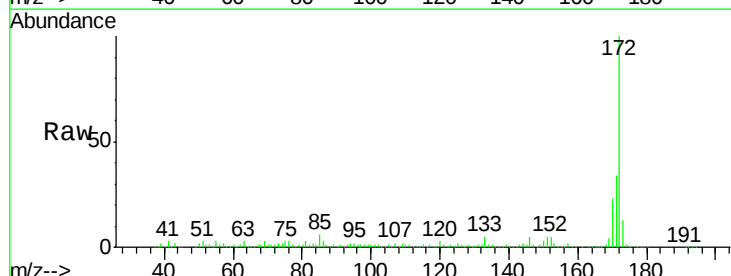
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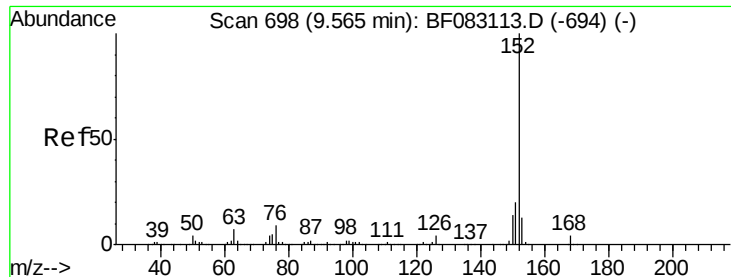
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#44
 2-Fluorobiphenyl
 Concen: 21.65 ng
 RT: 8.96 min Scan# 610
 Delta R.T. -0.07 min
 Lab File: BF083288.D
 Acq: 25 Nov 2015 22:19

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.5	29.5	44.3
170	23.3	19.9	29.9





#48

Acenaphthylene

Concen: 17.51 ng

RT: 9.48 min Scan# 656

Delta R.T. -0.08 min

Lab File: BF083288.D

Acq: 25 Nov 2015 22:19

Instrument :

BNA_F

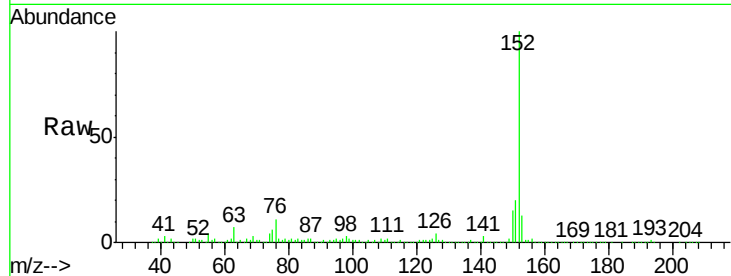
ClientSampleId :

STOCKPILE-COMPOSITE4

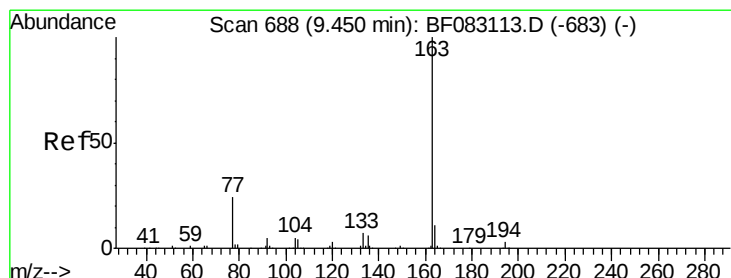
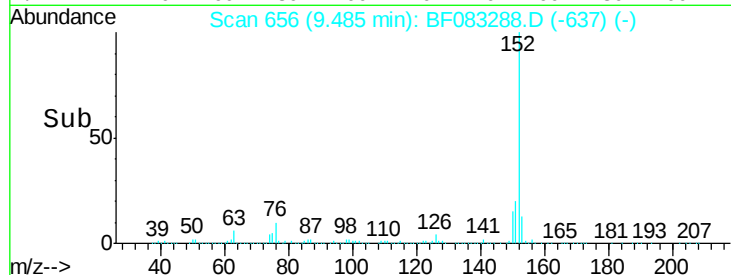
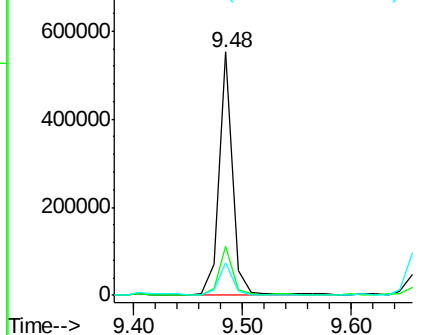
Tot Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.3	24.5
153	13.3	10.8	16.2

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 3.75 ng

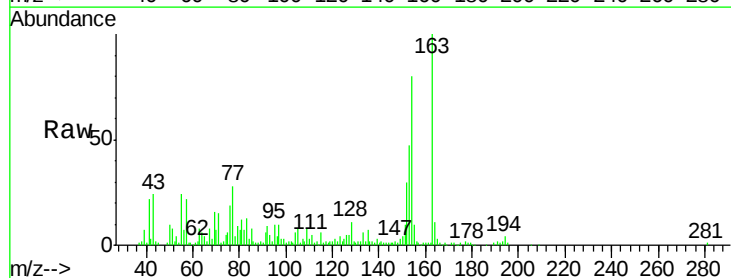
RT: 9.36 min Scan# 645

Delta R.T. -0.09 min

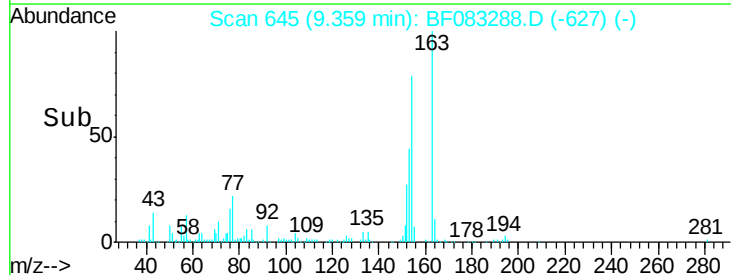
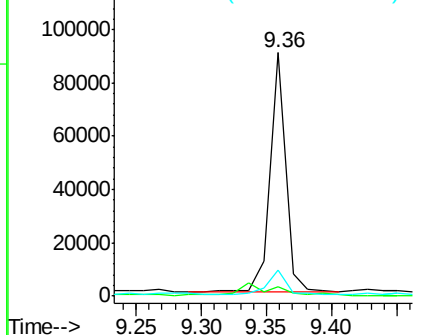
Lab File: BF083288.D

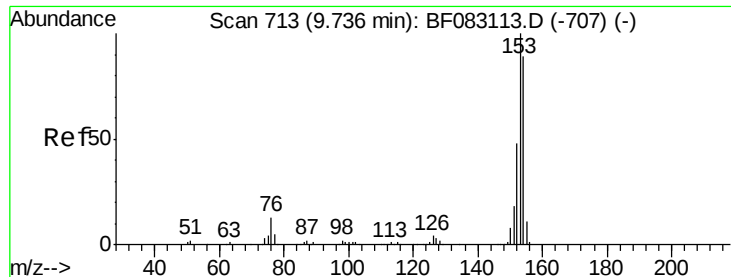
Acq: 25 Nov 2015 22:19

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.9	2.6	4.0
164	10.9	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





#51

Acenaphthene

Concen: 4.54 ng

RT: 9.66 min Scan# 671

Delta R.T. -0.08 min

Lab File: BF083288.D

Acq: 25 Nov 2015 22:19

Instrument :

BNA_F

ClientSampleId :

STOCKPILE-COMPOSITE4

Tot Ion:154 Resp: 75347

Ion Ratio Lower Upper

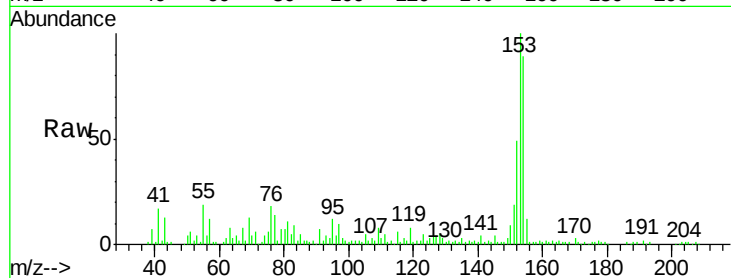
154 100

153 112.3 89.6 134.4

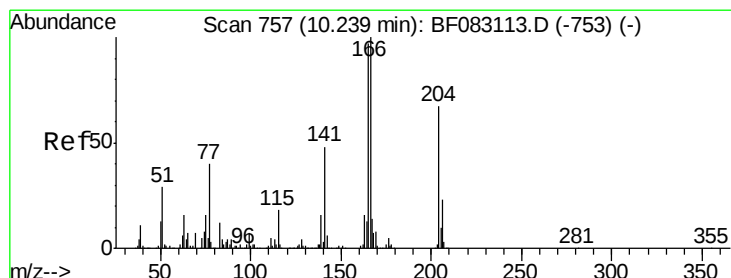
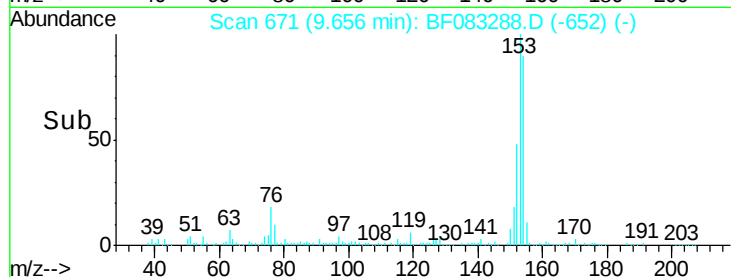
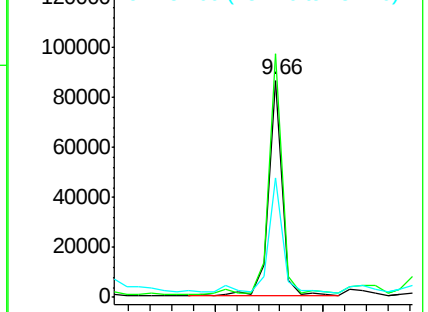
152 55.0 43.3 64.9

Manual Integrations
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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#57

Fluorene

Concen: 3.67 ng

RT: 10.17 min Scan# 716

Delta R.T. -0.07 min

Lab File: BF083288.D

Acq: 25 Nov 2015 22:19

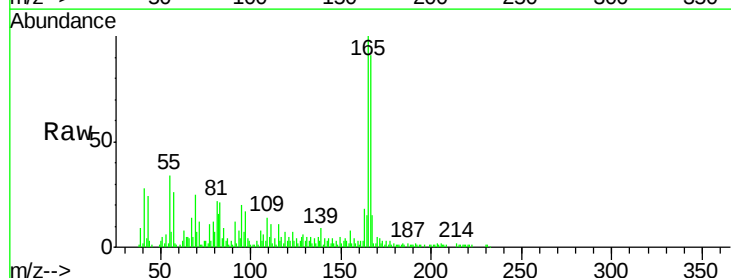
Tgt Ion:166 Resp: 71242

Ion Ratio Lower Upper

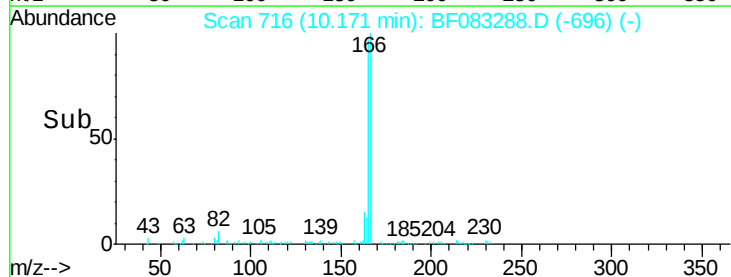
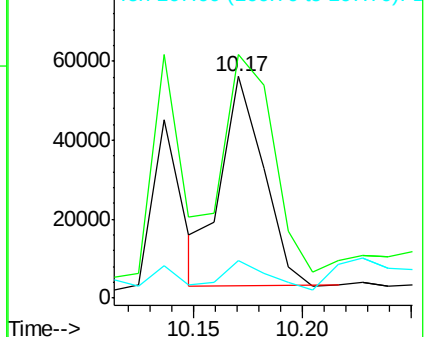
166 100

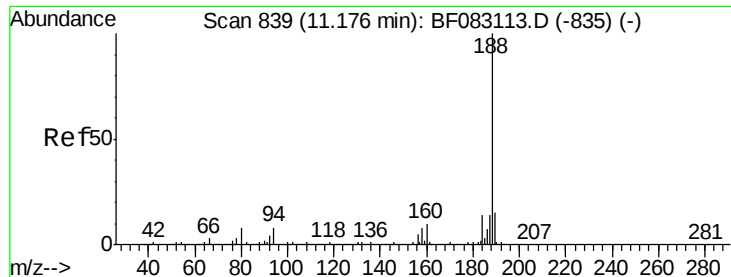
165 109.7 78.0 117.0

167 16.9 11.3 16.9



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





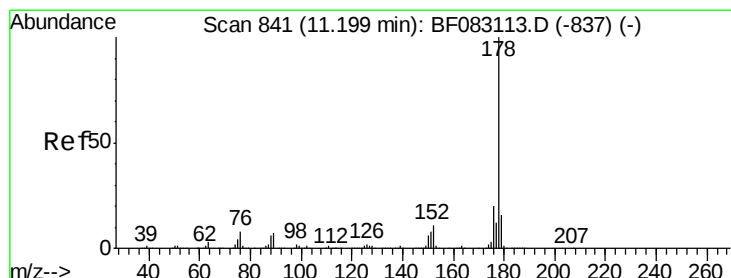
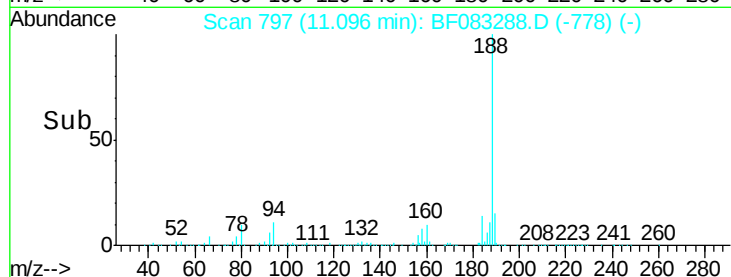
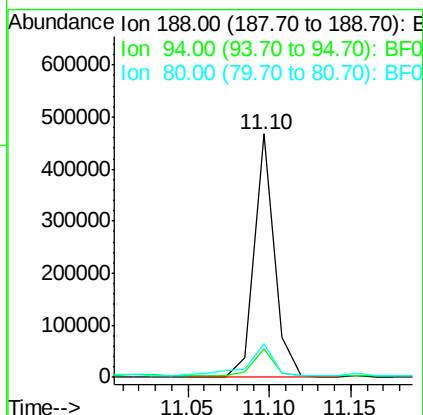
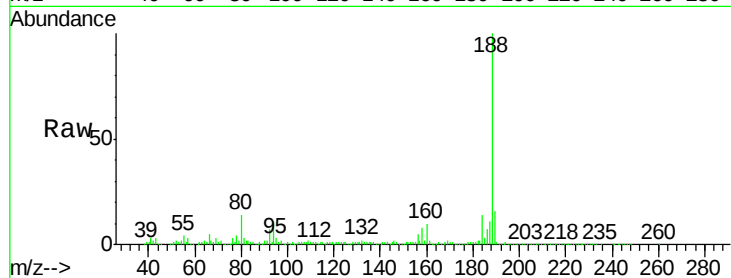
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.10 min Scan# 797
Delta R.T. -0.08 min
Lab File: BF083288.D
Acq: 25 Nov 2015 22:19

Instrument :
BNA_F
ClientSampleId :
STOCKPILE-COMPOSITE4

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	11.5	6.0	9.0#
80	13.8	6.7	10.1#

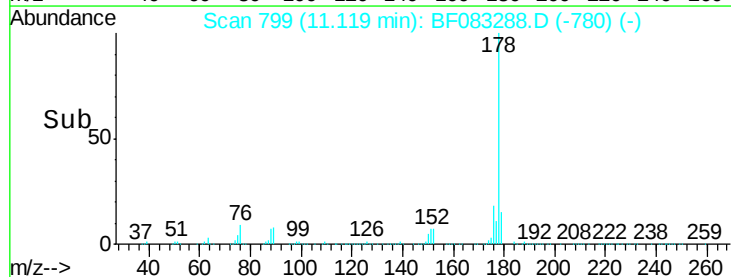
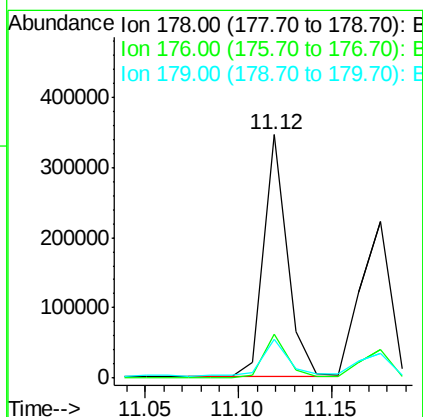
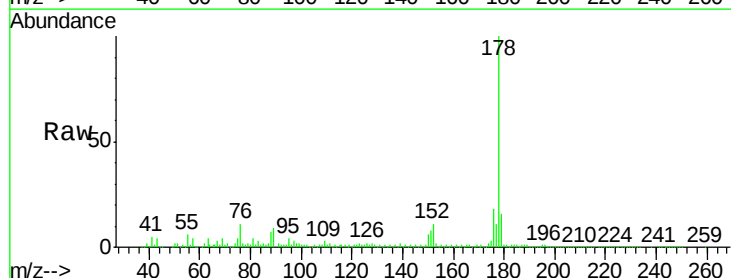
Manual Integrations
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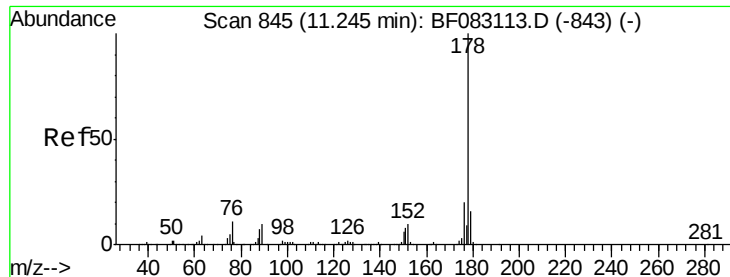
mmdadoda
11/26/2015 6:43:43 PM



#70
Phenanthrene
Concen: 12.87 ng
RT: 11.12 min Scan# 799
Delta R.T. -0.08 min
Lab File: BF083288.D
Acq: 25 Nov 2015 22:19

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.3	16.2	24.2
179	16.2	12.8	19.2





#71

Anthracene

Concen: 10.44 ng

RT: 11.18 min Scan# 804

Delta R.T. -0.07 min

Lab File: BF083288.D

Acq: 25 Nov 2015 22:19

Instrument :

BNA_F

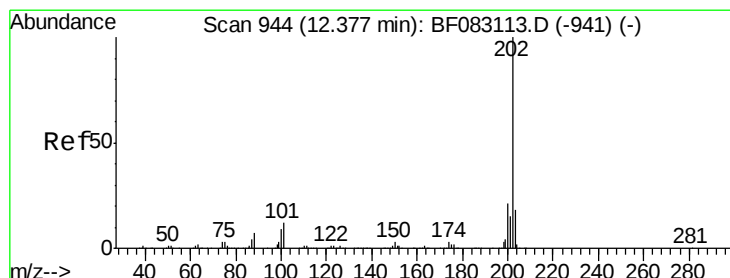
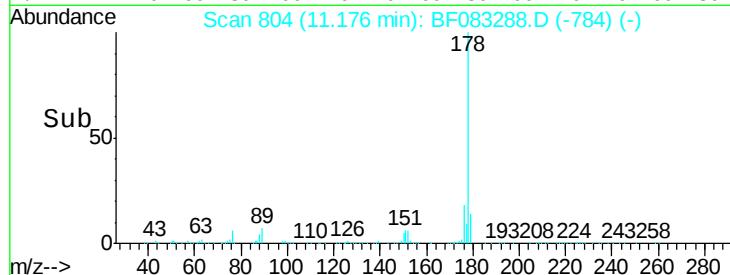
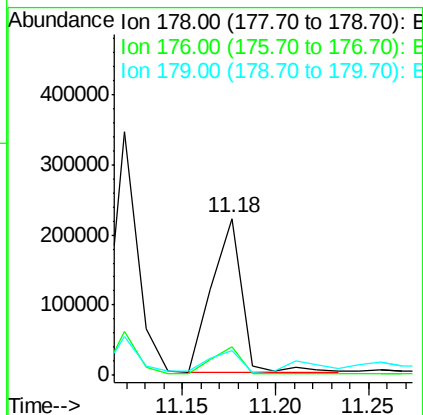
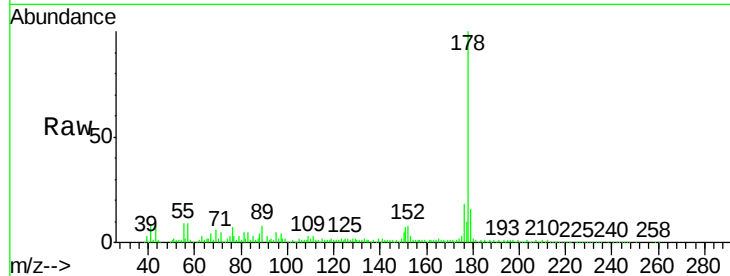
ClientSampleId :

STOCKPILE-COMPOSITE4

Tot Ion:	178	Resp:	247629
Ion Ratio	Lower	Upper	
178	100		
176	18.1	15.6	23.4
179	15.7	13.2	19.8

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#74

Fluoranthene

Concen: 18.99 ng

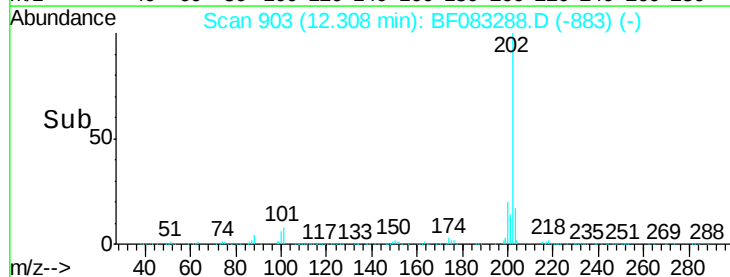
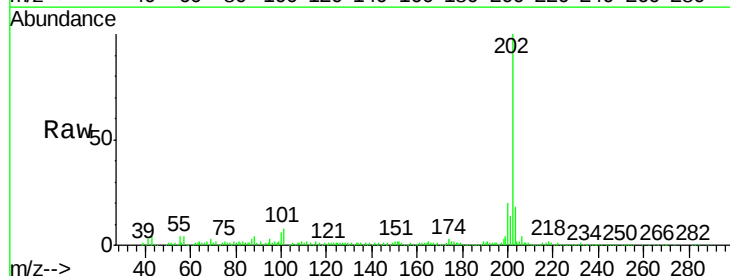
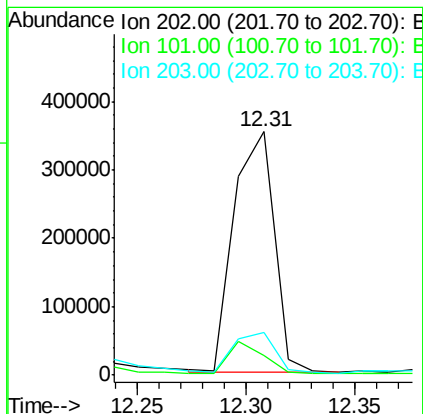
RT: 12.31 min Scan# 903

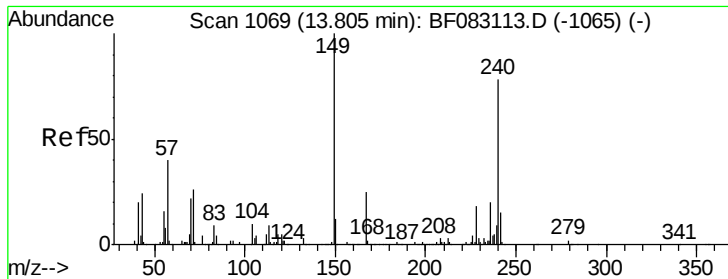
Delta R.T. -0.07 min

Lab File: BF083288.D

Acq: 25 Nov 2015 22:19

Tgt Ion:	202	Resp:	451778
Ion Ratio	Lower	Upper	
202	100		
101	8.3	0.0	32.3
203	17.8	0.0	38.4





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.73 min Scan# 1027

Delta R.T. -0.08 min

Lab File: BF083288.D

Acq: 25 Nov 2015 22:19

Instrument :

BNA_F

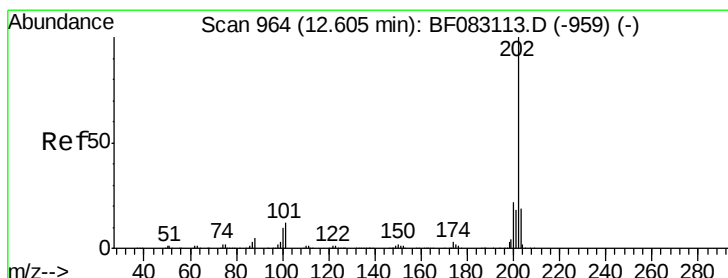
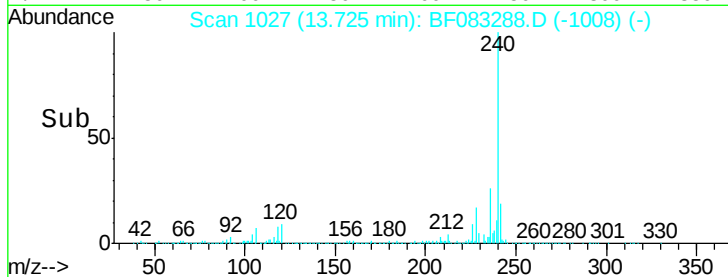
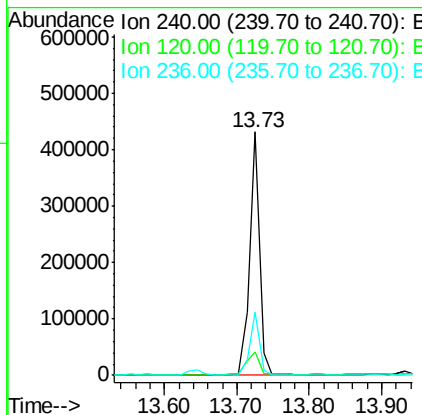
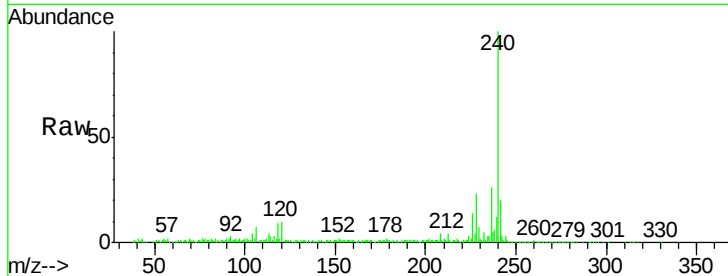
ClientSampleId :

STOCKPILE-COMPOSITE4

Tot Ion	Ratio	Lower	Upper
240	100		
120	9.7	5.4	8.2#
236	26.1	20.6	31.0

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#77

Pyrene

Concen: 31.64 ng

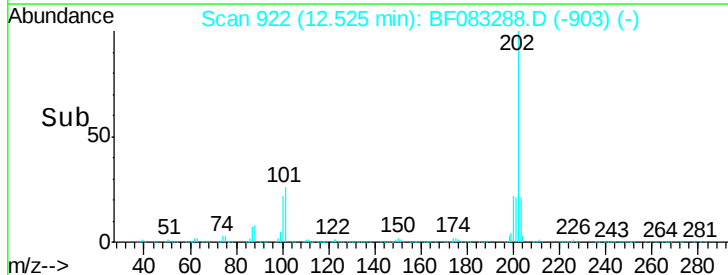
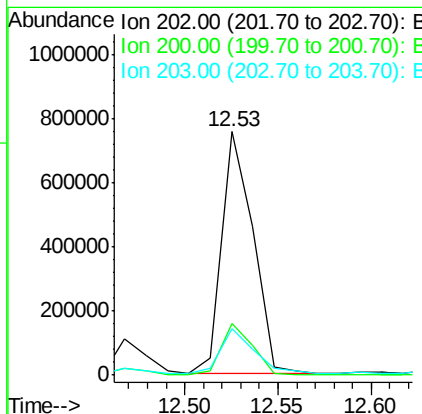
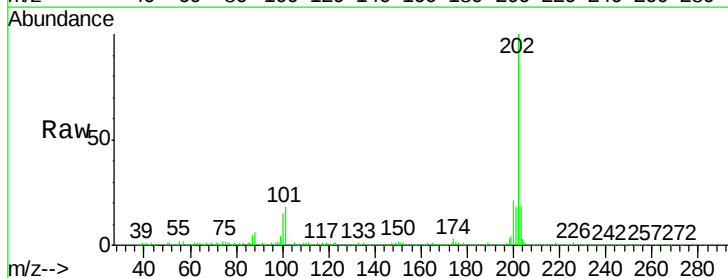
RT: 12.53 min Scan# 922

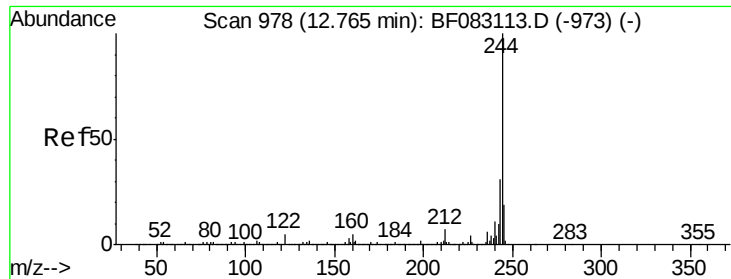
Delta R.T. -0.08 min

Lab File: BF083288.D

Acq: 25 Nov 2015 22:19

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.8	26.6
203	19.3	15.0	22.4





#78

Terphenyl-d14

Concen: 15.70 ng

RT: 12.69 min Scan# 936

Delta R.T. -0.08 min

Lab File: BF083288.D

Acq: 25 Nov 2015 22:19

Instrument :

BNA_F

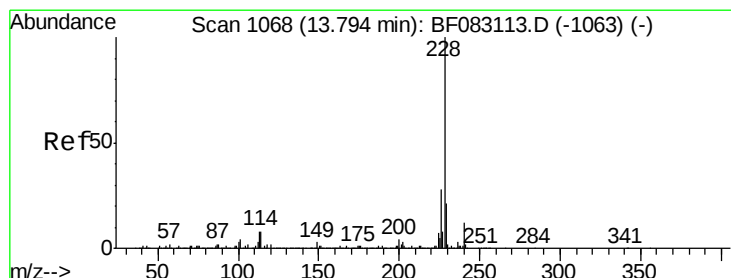
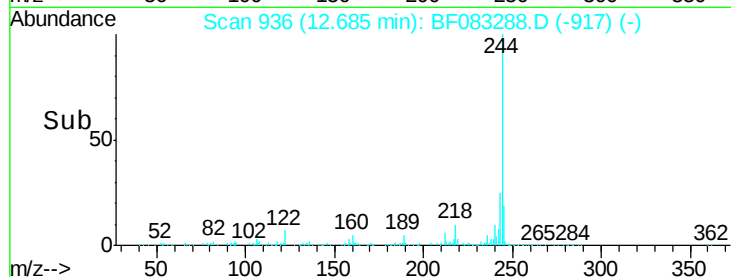
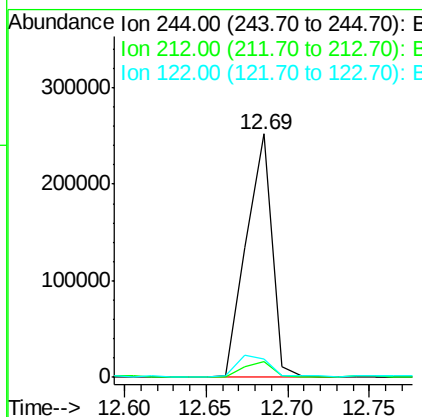
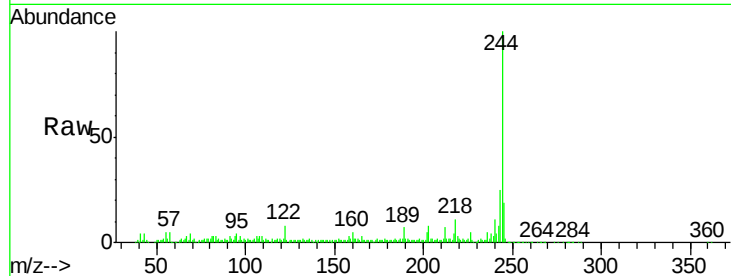
ClientSampleId :

STOCKPILE-COMPOSITE4

Tot Ion:	244	Resp:	273496
Ion Ratio	Lower	Upper	
244	100		
212	6.6	5.4	8.2
122	7.8	4.3	6.5#

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 15.71 ng

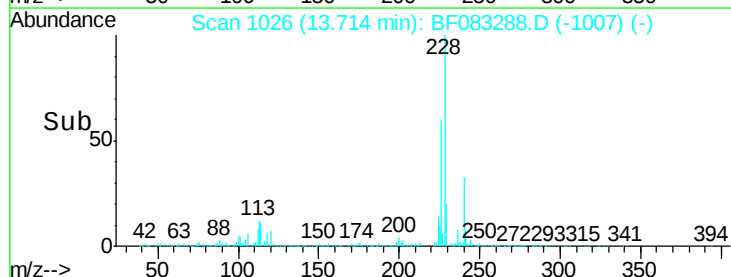
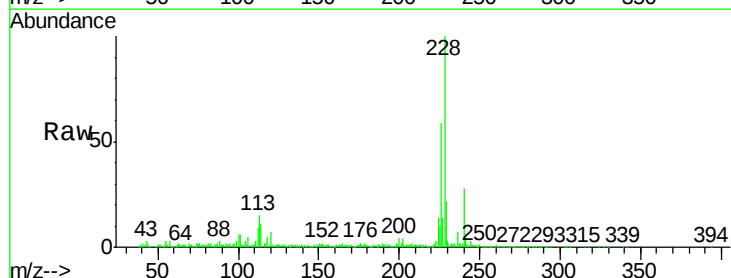
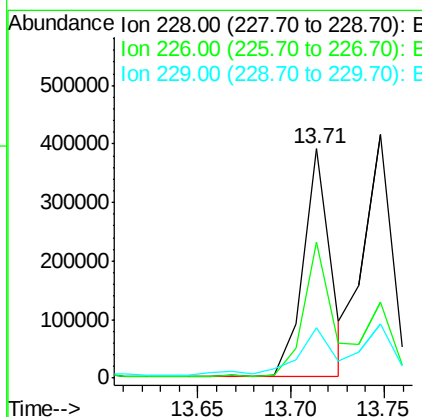
RT: 13.71 min Scan# 1026

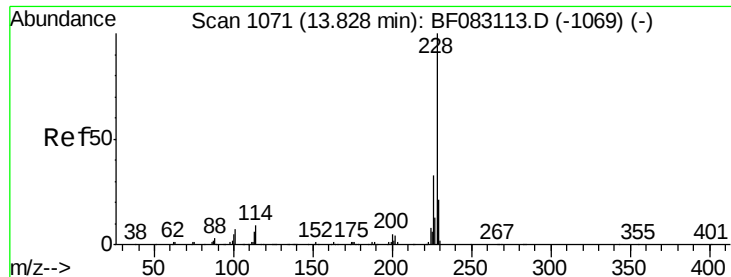
Delta R.T. -0.08 min

Lab File: BF083288.D

Acq: 25 Nov 2015 22:19

Tgt Ion:	228	Resp:	398473
Ion Ratio	Lower	Upper	
228	100		
226	59.2	22.6	33.8#
229	21.9	16.6	24.8





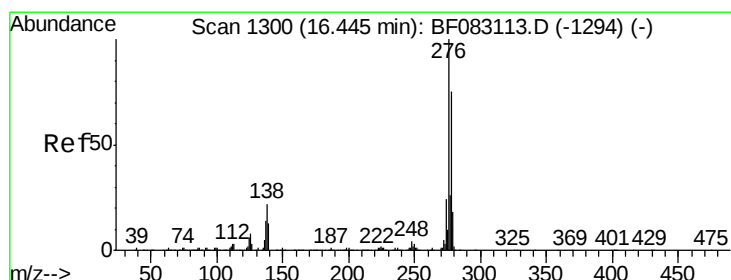
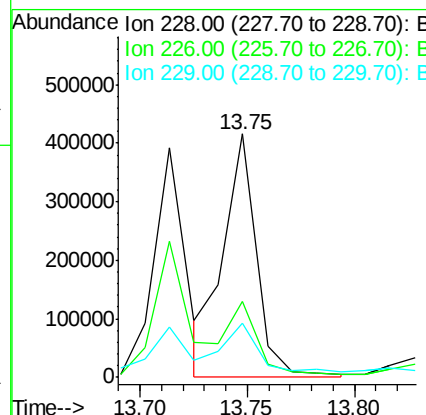
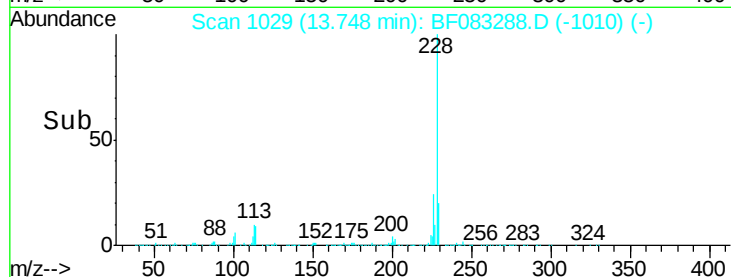
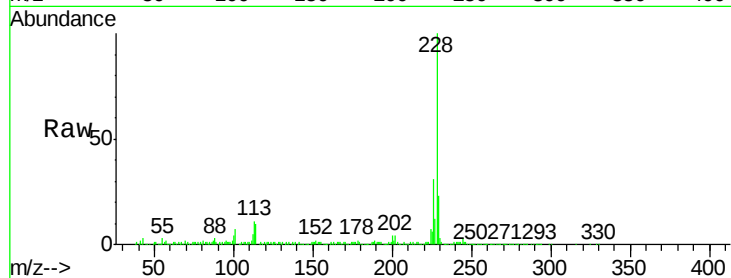
#82
Chrysene
Concen: 18.87 ng/ml
RT: 13.75 min Scan# 1029
Delta R.T. -0.08 min
Lab File: BF083288.D
Acq: 25 Nov 2015 22:19

Instrument :
BNA_F
ClientSampleId :
STOCKPILE-COMPOSITE4

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.4	25.5	38.3
229	22.5	16.6	25.0

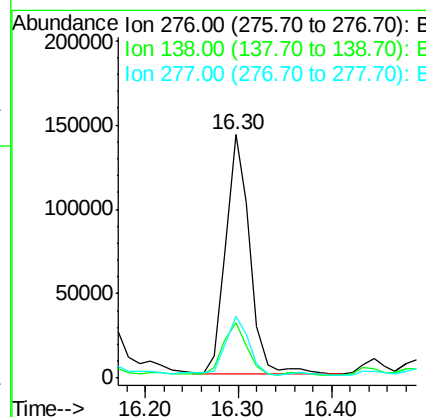
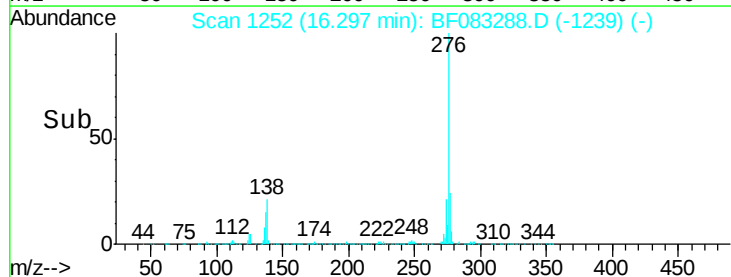
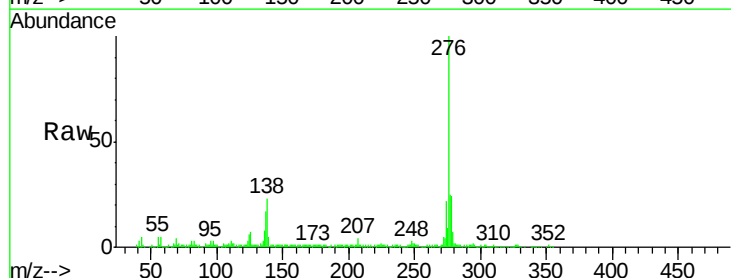
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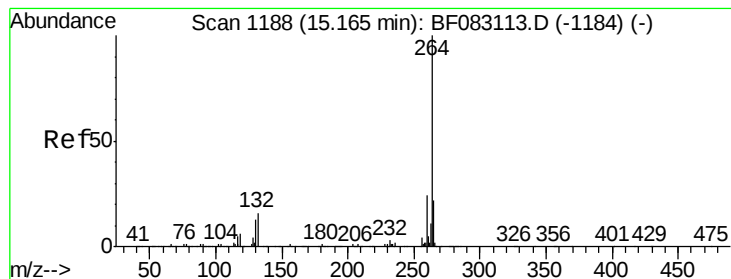
mmdadoda
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#85
Indeno(1,2,3-cd)pyrene
Concen: 11.89 ng/ml
RT: 16.30 min Scan# 1252
Delta R.T. -0.15 min
Lab File: BF083288.D
Acq: 25 Nov 2015 22:19

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.5	18.0	27.0
277	24.3	20.2	30.4





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.07 min Scan# 1145

Delta R.T. -0.09 min

Lab File: BF083288.D

Acq: 25 Nov 2015 22:19

Instrument :

BNA_F

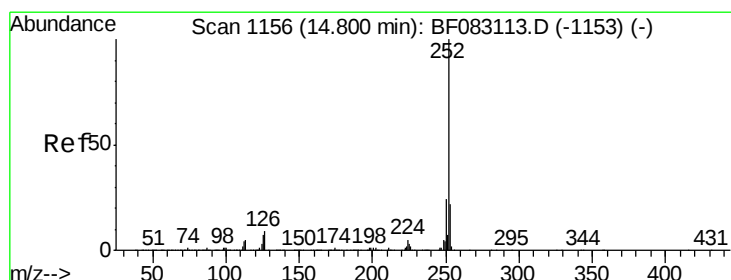
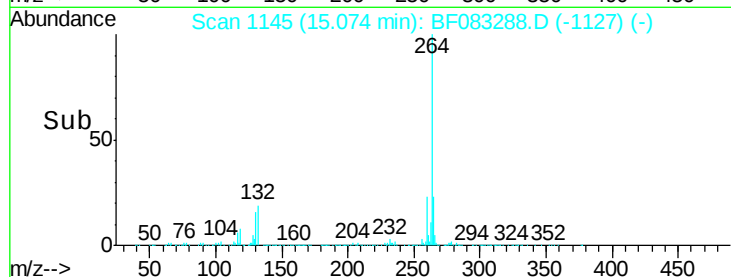
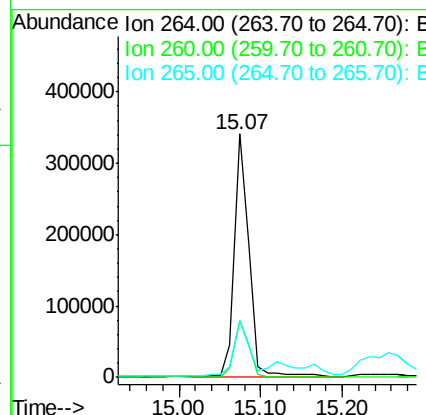
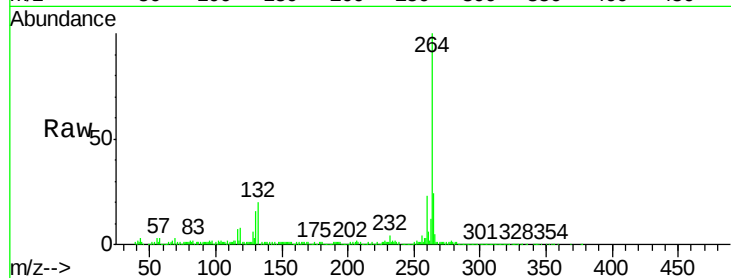
ClientSampleId :

STOCKPILE-COMPOSITE4

Tot Ion:	264	Resp:	418545
Ion Ratio		Lower	Upper
264	100		
260	23.4	19.1	28.7
265	23.5	18.2	27.4

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#87

Benzo(b)fluoranthene

Concen: 18.93 ng m

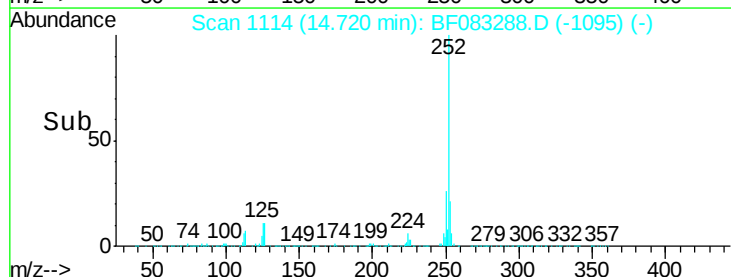
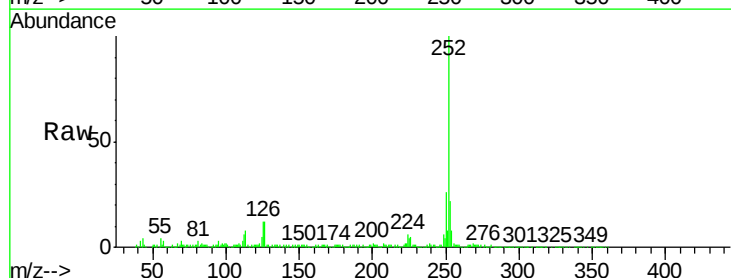
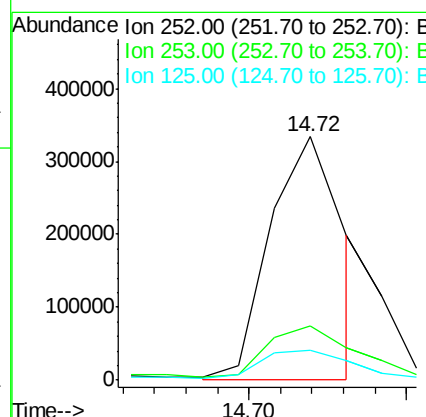
RT: 14.72 min Scan# 1114

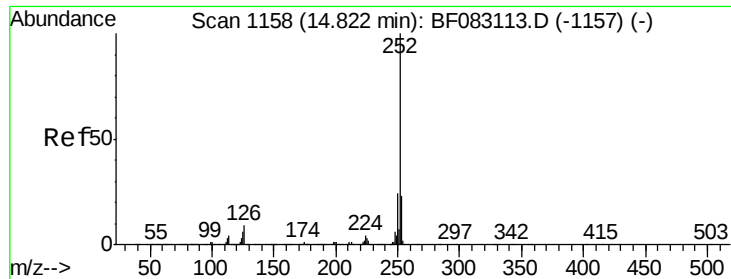
Delta R.T. -0.08 min

Lab File: BF083288.D

Acq: 25 Nov 2015 22:19

Tgt Ion:	252	Resp:	541413
Ion Ratio		Lower	Upper
252	100		
253	22.4	17.7	26.5
125	12.4	5.6	8.4#





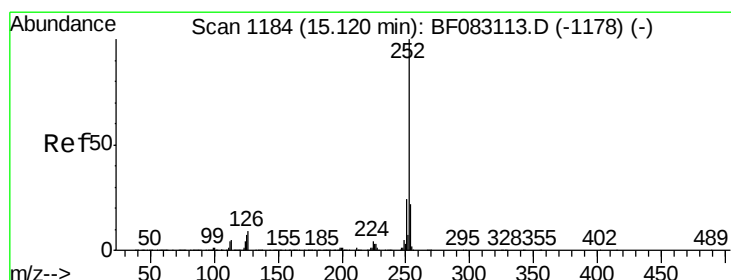
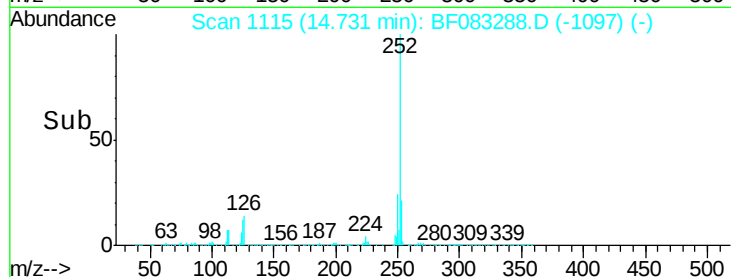
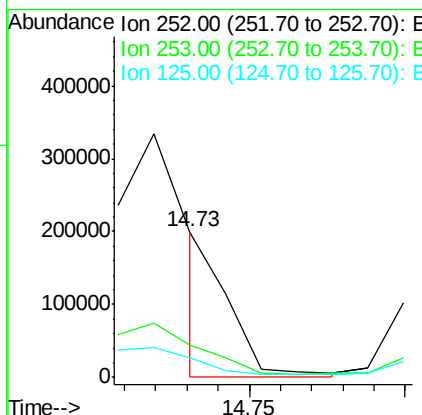
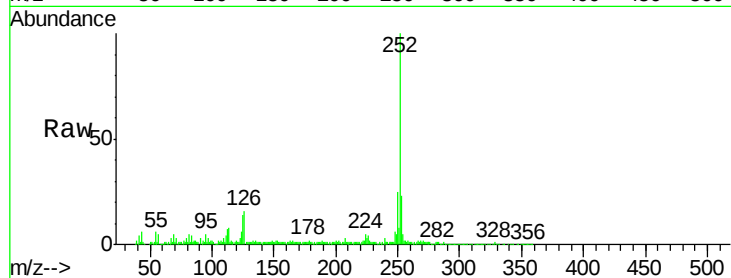
#88
Benzo(k)fluoranthene
Concen: 4.46 ng m
RT: 14.73 min Scan# 1115
Delta R.T. -0.09 min
Lab File: BF083288.D
Acq: 25 Nov 2015 22:19

Instrument :
BNA_F
ClientSampleId :
STOCKPILE-COMPOSITE4

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.2	27.2
125	13.6	6.8	10.2

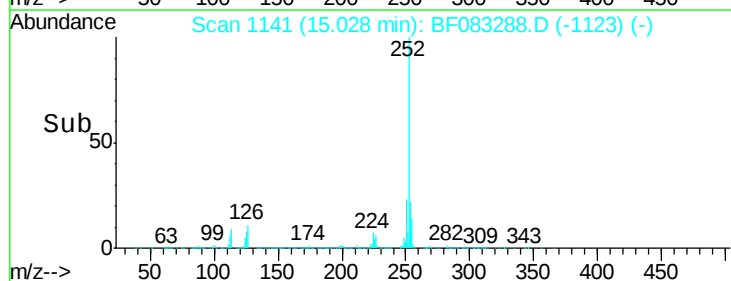
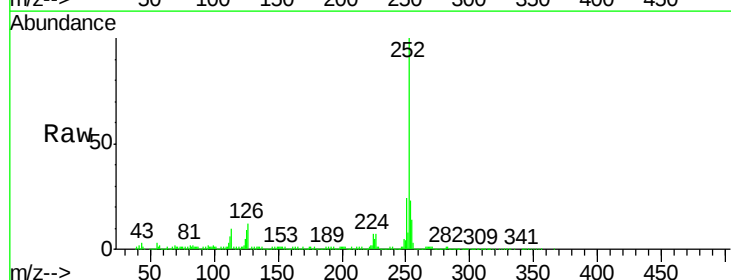
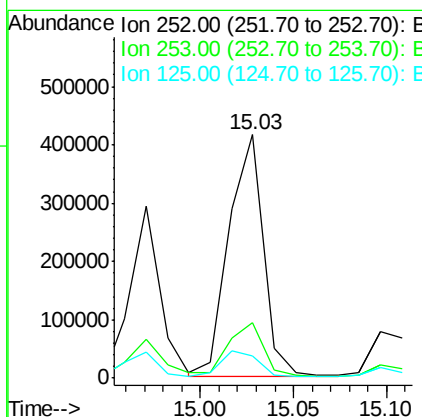
Manual Integrations
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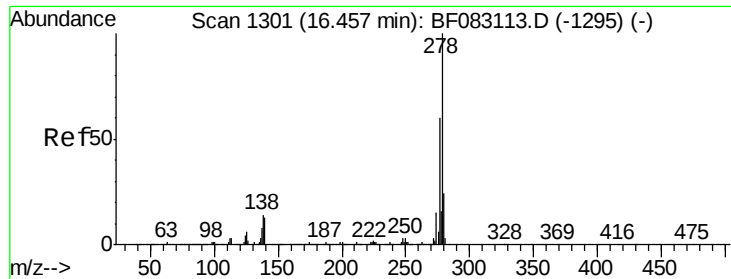
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#89
Benzo(a)pyrene
Concen: 22.95 ng
RT: 15.03 min Scan# 1141
Delta R.T. -0.09 min
Lab File: BF083288.D
Acq: 25 Nov 2015 22:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.5	26.3
125	8.9	5.4	8.0





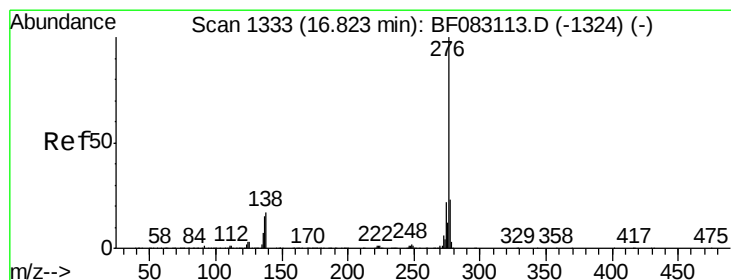
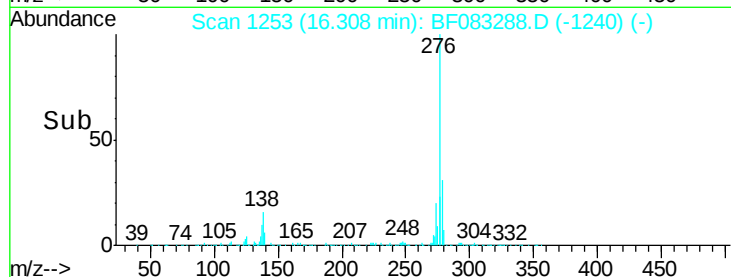
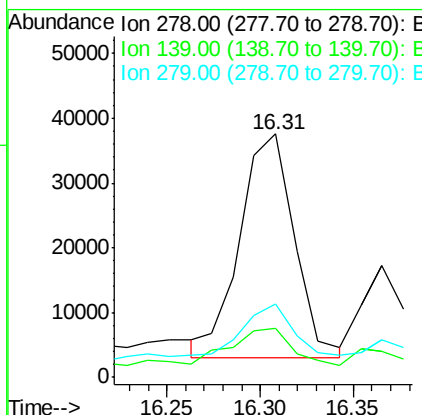
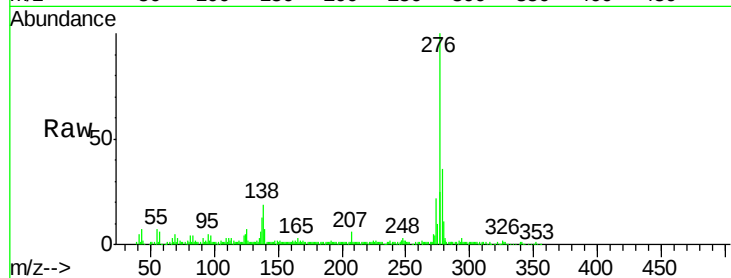
#90
Dibenzo(a,h)anthracene
Concen: 3.27 ng m
RT: 16.31 min Scan# 1253
Delta R.T. -0.15 min
Lab File: BF083288.D
Acq: 25 Nov 2015 22:19

Instrument :
BNA_F
ClientSampleId :
STOCKPILE-COMPOSITE4

Tot Ion	Ratio	Lower	Upper
278	100		
139	20.1	10.7	16.1#
279	30.1	19.3	28.9#

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 11.96 ng m
RT: 16.66 min Scan# 1284
Delta R.T. -0.16 min
Lab File: BF083288.D
Acq: 25 Nov 2015 22:19

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.7	28.1
138	21.6	13.9	20.9#

