

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112515\
 Data File : BF083286.D
 Acq On : 25 Nov 2015 21:20
 Operator : UM/IZ
 Sample : G4567-02 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 STOCKPILE-COMPOSITE2

Manual Integrations
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Quant Time: Nov 26 12:41:37 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	161785m	20.00	ng	-0.08
21) Naphthalene-d8	7.87	136	592943	20.00	ng	-0.08
38) Acenaphthene-d10	9.62	164	279467	20.00	ng	-0.08
63) Phenanthrene-d10	11.10	188	420627	20.00	ng	-0.08
75) Chrysene-d12	13.73	240	370779	20.00	ng	-0.08
86) Perylene-d12	15.09	264	425841	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.18	112	326242	30.49	ng	-0.10
7) Phenol-d6	6.25	99	462259	33.39	ng	-0.09
23) Nitrobenzene-d5	7.15	82	289773	22.33	ng	-0.08
41) 2,4,6-Tribromophenol	10.41	330	74468	26.05	ng	-0.08
44) 2-Fluorobiphenyl	8.96	172	423566	21.13	ng	-0.07
78) Terphenyl-d14	12.68	244	289342	18.38	ng	-0.08
Target Compounds						Qvalue
31) Naphthalene	7.90	128	459100	14.35	ng	100
37) 2-Methylnaphthalene	8.59	142	183398	8.83	ng	96
48) Acenaphthylene	9.48	152	795854	27.49	ng	99
49) Dimethylphthalate	9.36	163	98052	4.56	ng	99
51) Acenaphthene	9.66	154	148311	8.42	ng	97
57) Fluorene	10.17	166	122943	5.97	ng	# 85
70) Phenanthrene	11.12	178	442743m	18.27	ng	
71) Anthracene	11.18	178	479965m	19.41	ng	
74) Fluoranthene	12.31	202	1541415	62.15	ng	96
77) Pyrene	12.54	202	2856659	112.77	ng	98
80) Benzo(a)anthracene	13.73	228	1229007m	53.60	ng	
82) Chrysene	13.76	228	1087673	51.15	ng	97
85) Indeno(1,2,3-cd)pyrene	16.31	276	419438	21.68	ng	98
87) Benzo(b)fluoranthene	14.72	252	898955m	30.90	ng	
88) Benzo(k)fluoranthene	14.73	252	340007m	15.68	ng	
89) Benzo(a)pyrene	15.03	252	1052350	43.81	ng	# 92
90) Dibenzo(a,h)anthracene	16.31	278	128798m	5.90	ng	
91) Benzo(g,h,i)perylene	16.67	276	432321	20.29	ng	# 93

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

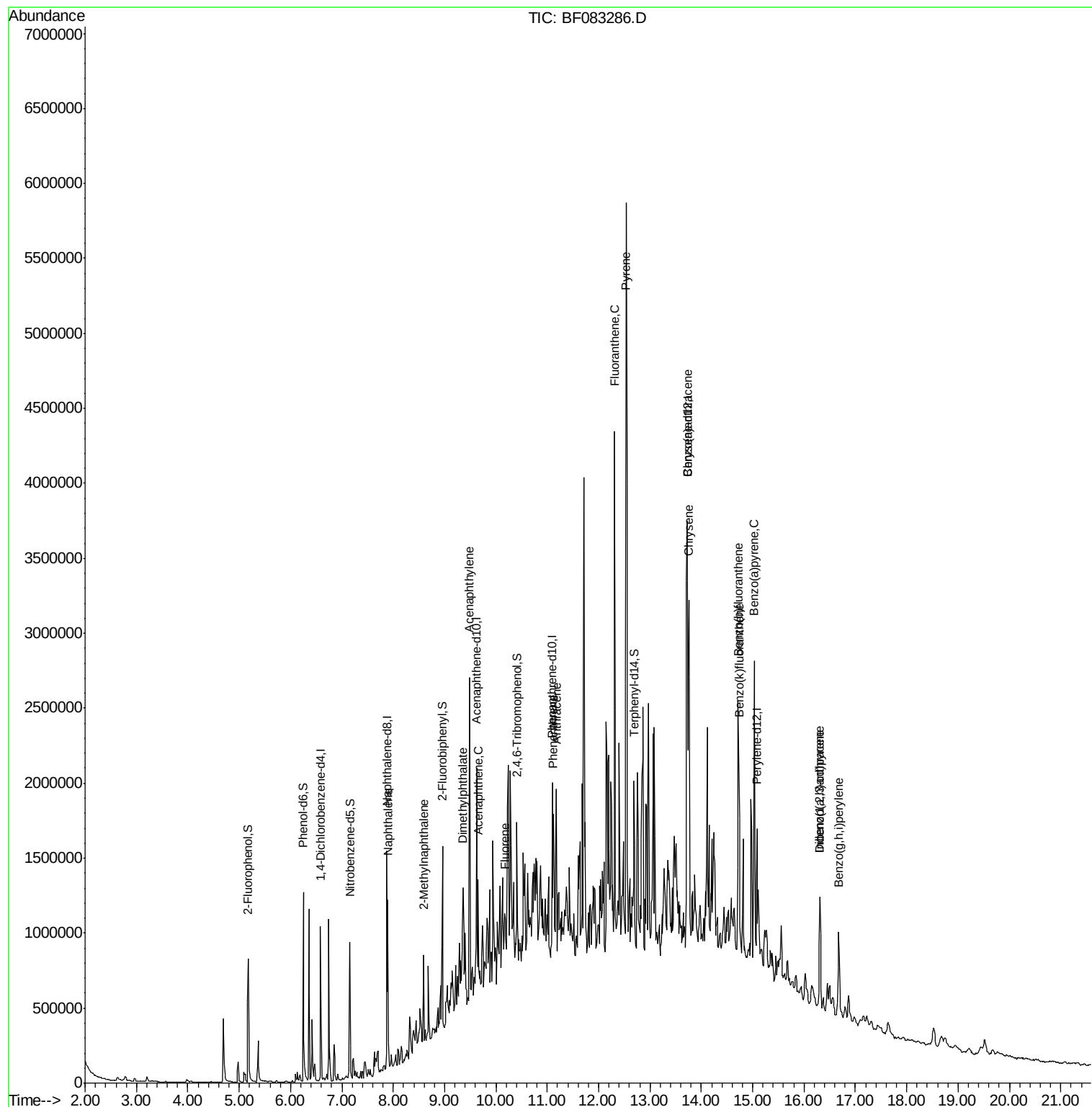
Data Path : Z:\HPCHEM1\BNA F\DATA\BF112515\
Data File : BF083286.D
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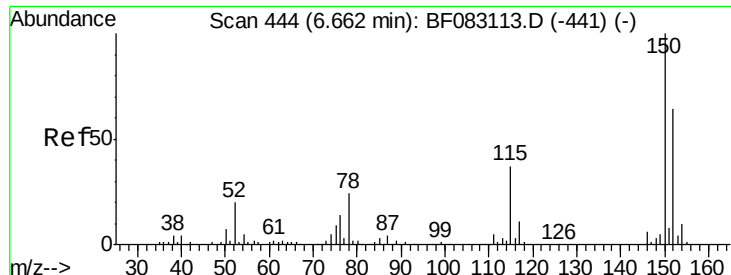
Instrument :
BNA_F
ClientSampleId :
STOCKPILE-COMPOSITE2

Manual Integrations
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Quant Time: Nov 26 12:41:37 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





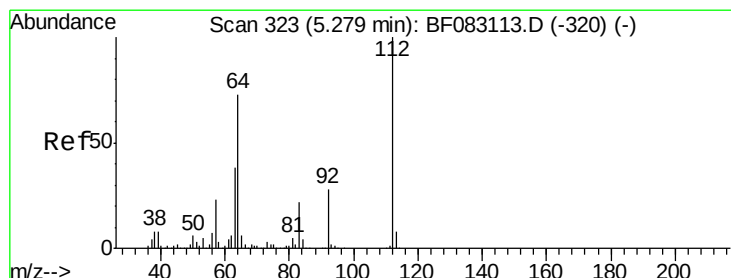
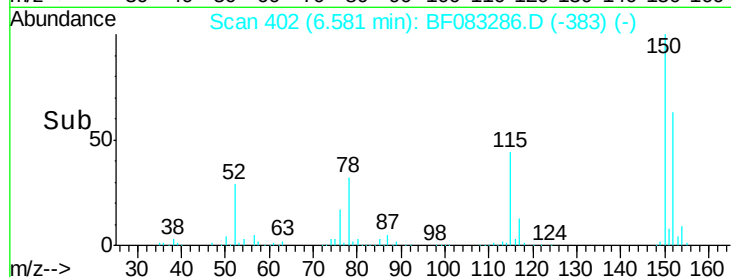
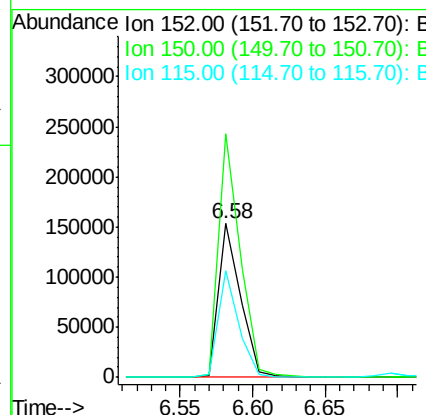
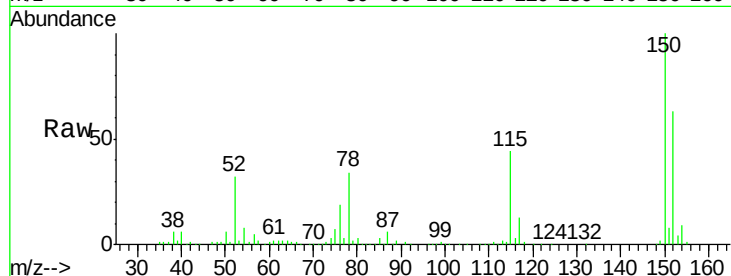
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 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng/ml
 RT: 6.58 min Scan# 402
 Delta R.T. -0.08 min
 Lab File: BF083286.D
 Acq: 25 Nov 2015 21:20

Instrument :
 BNA_F
 ClientSampleId :
 STOCKPILE-COMPOSITE2

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.3	125.8	188.8
115	69.2	46.9	70.3

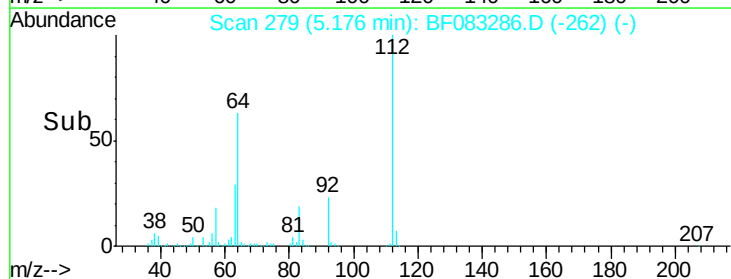
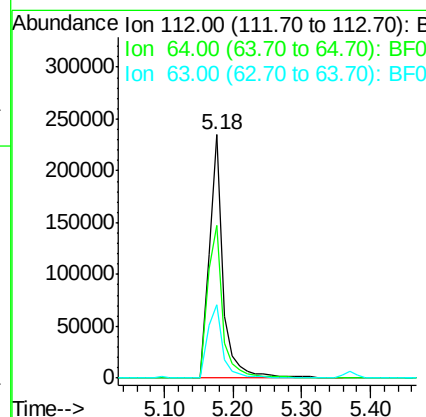
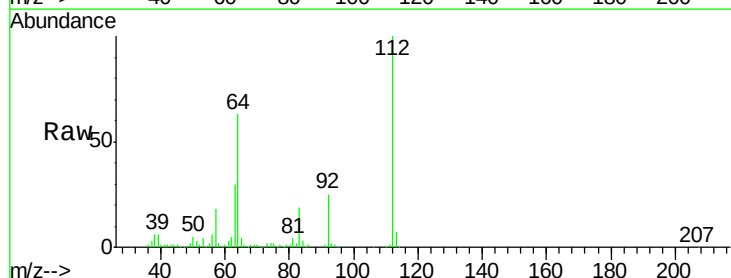
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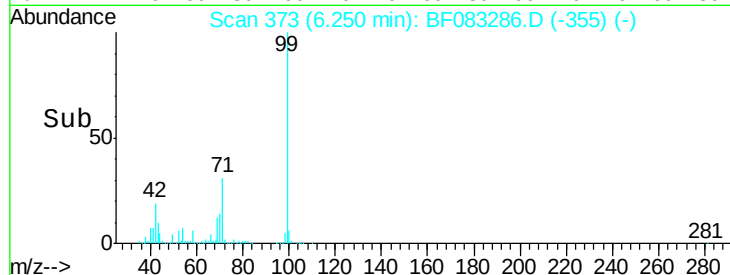
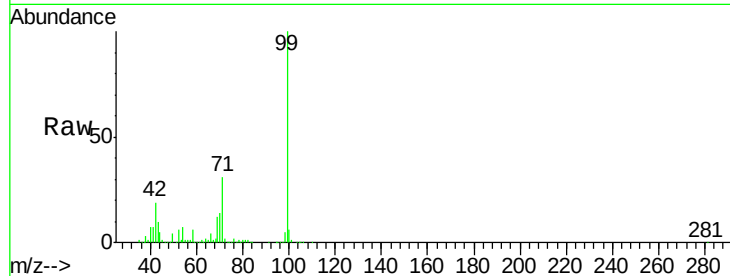
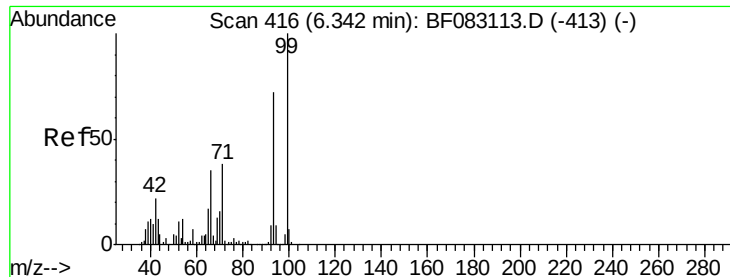
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#5
 2-Fluorophenol
 Concen: 30.49 ng
 RT: 5.18 min Scan# 279
 Delta R.T. -0.10 min
 Lab File: BF083286.D
 Acq: 25 Nov 2015 21:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.8	58.4	87.6
63	30.2	30.0	45.0





#7

Phenol-d6

Concen: 33.39 ng

RT: 6.25 min Scan# 373

Delta R.T. -0.09 min

Lab File: BF083286.D

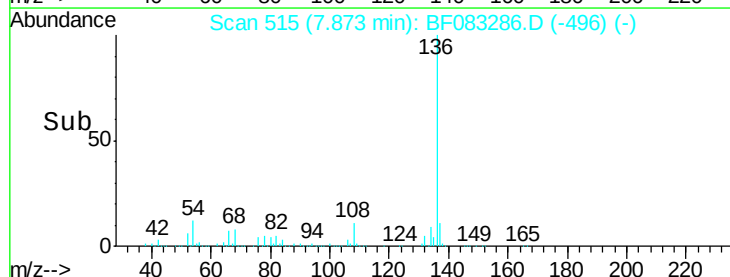
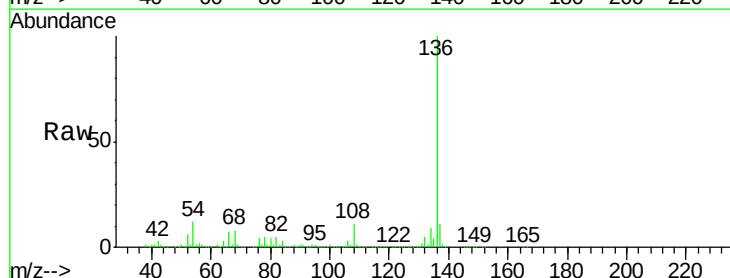
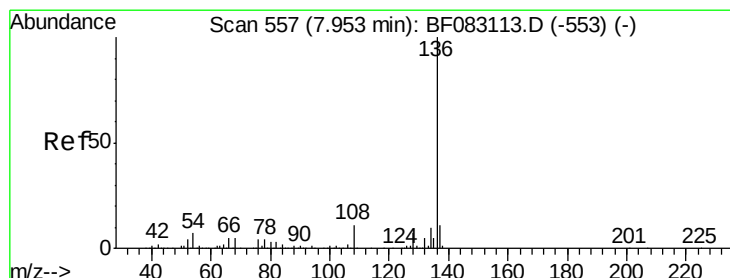
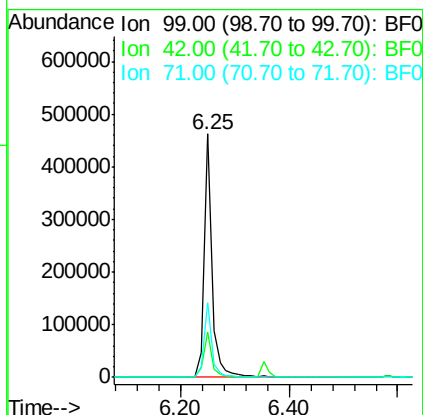
Acq: 25 Nov 2015 21:20

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		462259		
42	18.6	17.7	26.5		
71	30.9	30.2	45.4		

Instrument :
BNA_F
ClientSampleId :
STOCKPILE-COMPOSITE2

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#21

Naphthalene-d8

Concen: 20.00 ng

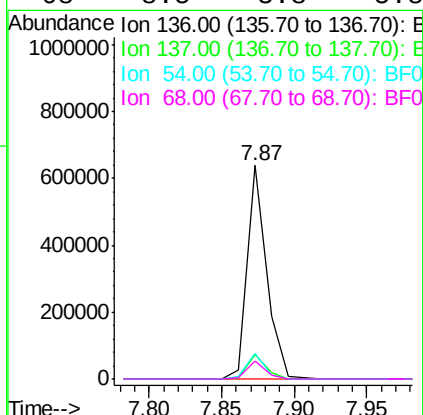
RT: 7.87 min Scan# 515

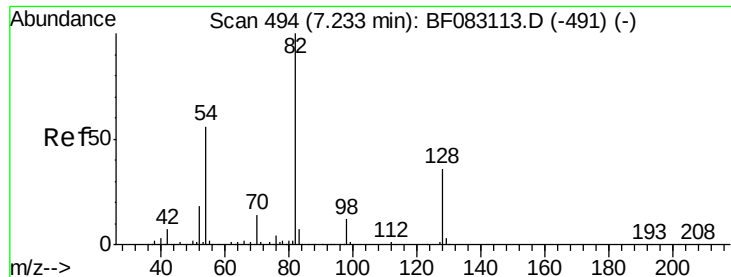
Delta R.T. -0.08 min

Lab File: BF083286.D

Acq: 25 Nov 2015 21:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		592943		
137	11.4	8.7	13.1		
54	12.2	5.8	8.6#		
68	8.5	3.8	5.8#		





#23

Nitrobenzene-d5

Concen: 22.33 ng

RT: 7.15 min Scan# 452

Delta R.T. -0.08 min

Lab File: BF083286.D

Acq: 25 Nov 2015 21:20

Instrument :

BNA_F

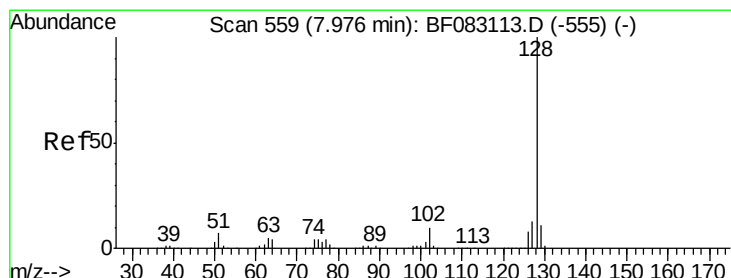
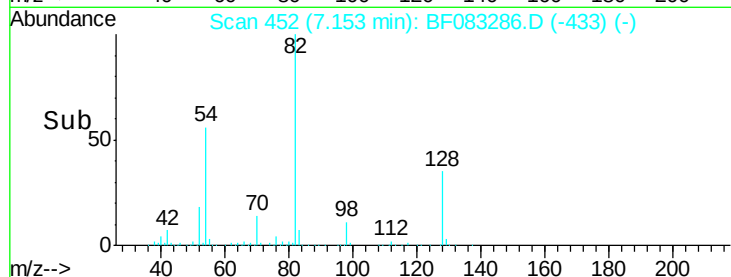
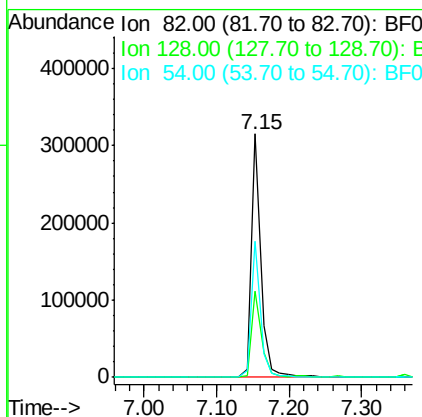
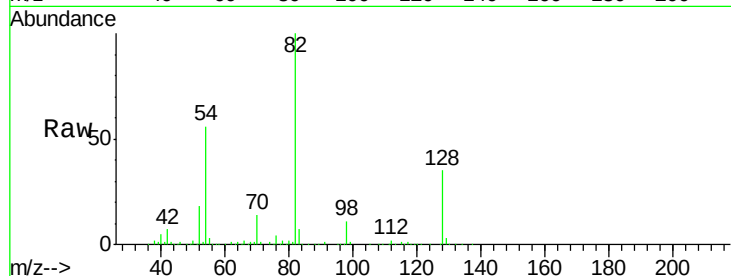
ClientSampleId :

STOCKPILE-COMPOSITE2

Tot Ion:	82	Resp:	289773
Ion Ratio	Lower	Upper	
82	100		
128	35.3	28.5	42.7
54	55.8	44.6	67.0

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#31

Naphthalene

Concen: 14.35 ng

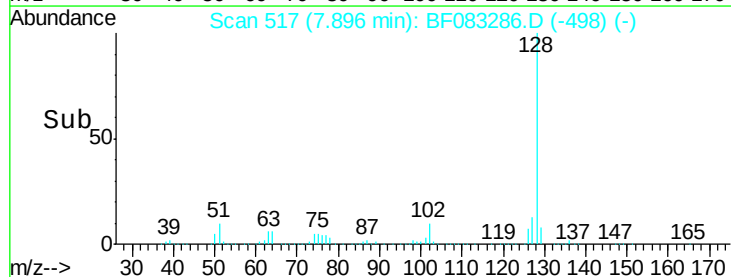
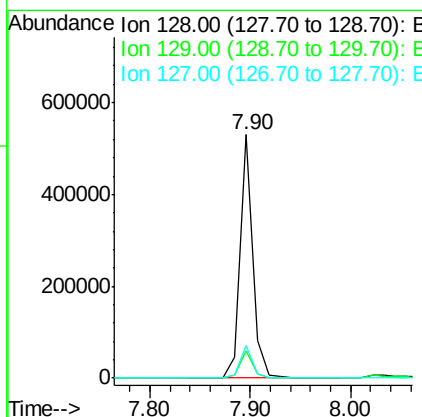
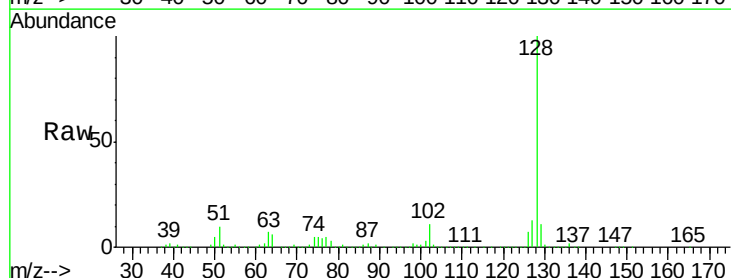
RT: 7.90 min Scan# 517

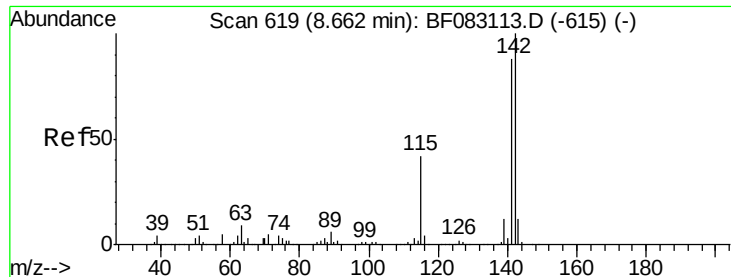
Delta R.T. -0.08 min

Lab File: BF083286.D

Acq: 25 Nov 2015 21:20

Tgt Ion:	128	Resp:	459100
Ion Ratio	Lower	Upper	
128	100		
129	11.2	9.0	13.4
127	13.2	10.6	15.8





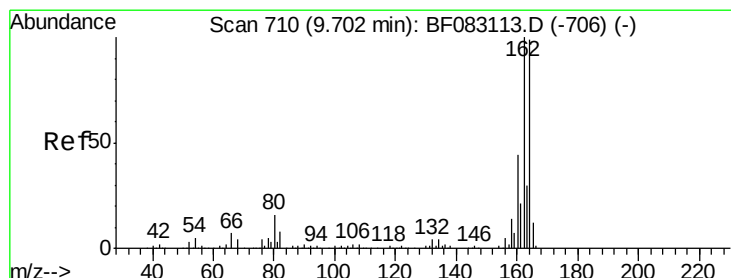
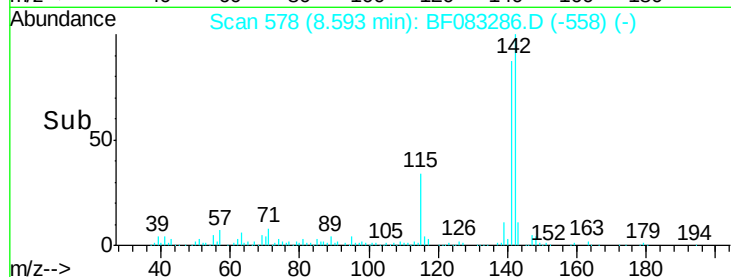
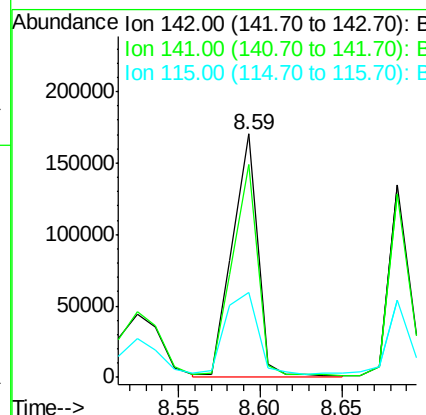
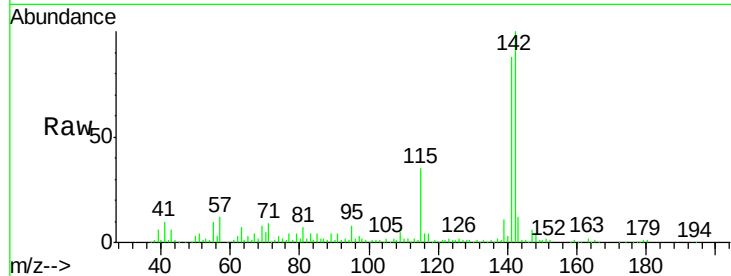
#37
2-Methylnaphthalene
Concen: 8.83 ng
RT: 8.59 min Scan# 578
Delta R.T. -0.07 min
Lab File: BF083286.D
Acq: 25 Nov 2015 21:20

Instrument :
BNA_F
ClientSampleId :
STOCKPILE-COMPOSITE2

Tot Ion	Ratio	Resp	Lower	Upper
142	100	183398		
141	87.6	70.3	105.5	
115	35.0	33.4	50.2	

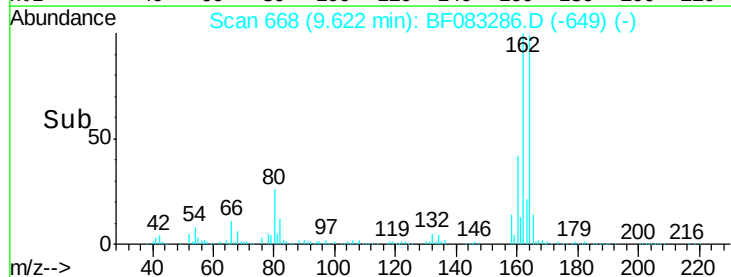
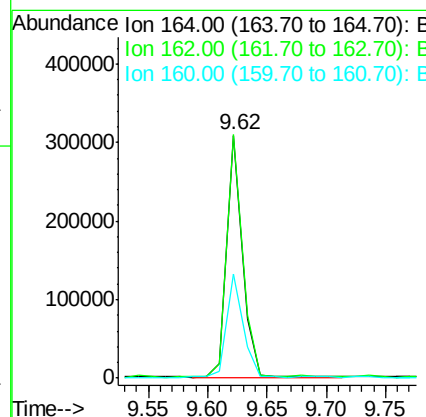
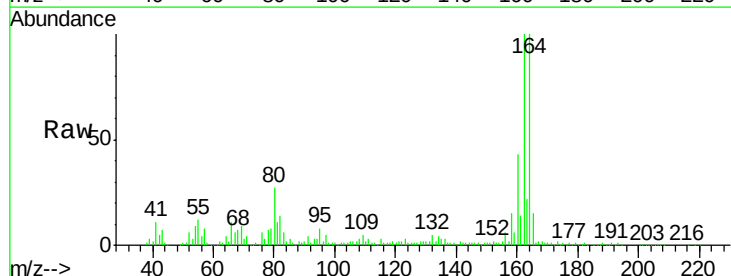
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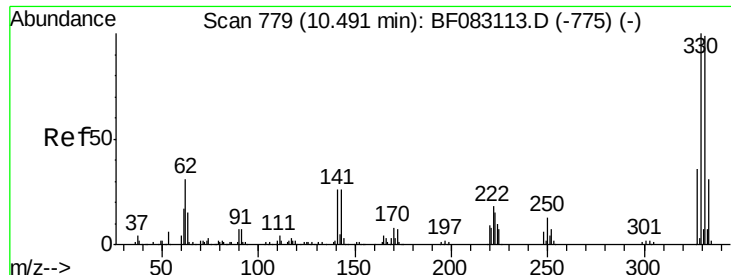
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.62 min Scan# 668
Delta R.T. -0.08 min
Lab File: BF083286.D
Acq: 25 Nov 2015 21:20

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	279467		
162	100.4	81.2	121.8	
160	43.1	35.6	53.4	





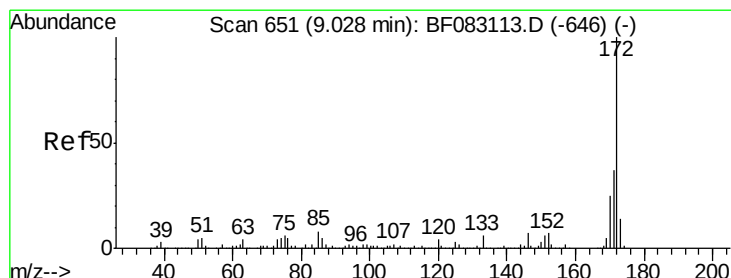
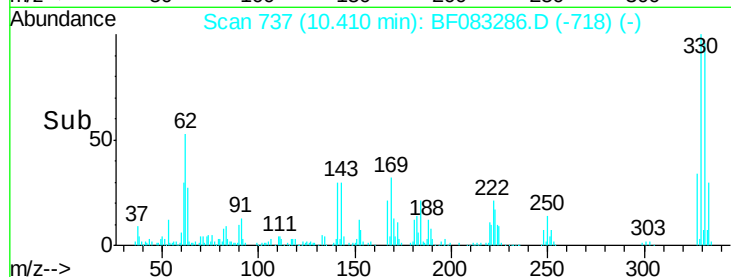
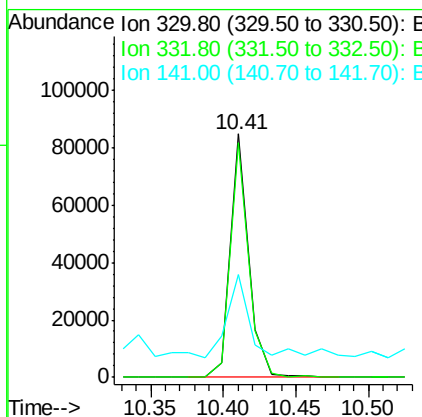
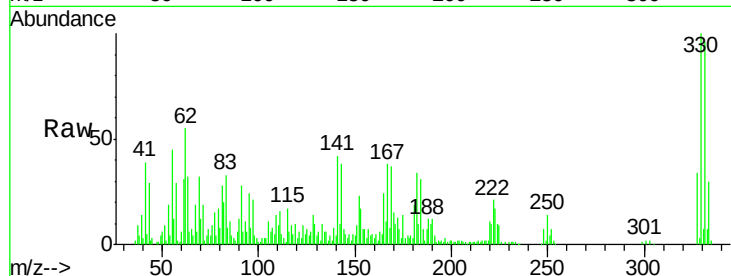
#41
 2,4,6-Tribromophenol
 Concen: 26.05 ng
 RT: 10.41 min Scan# 737
 Delta R.T. -0.08 min
 Lab File: BF083286.D
 Acq: 25 Nov 2015 21:20

Instrument :
 BNA_F
 ClientSampleId :
 STOCKPILE-COMPOSITE2

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.7	116.5
141	45.2	29.7	44.5

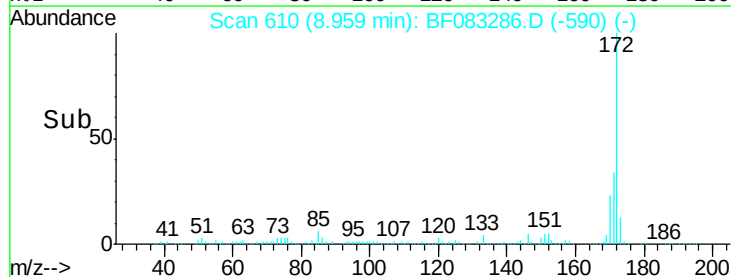
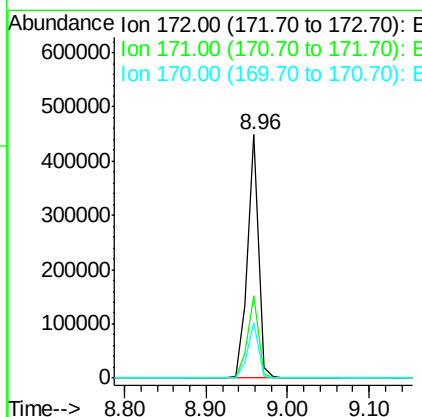
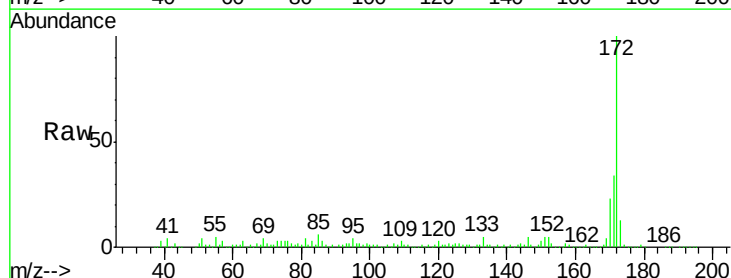
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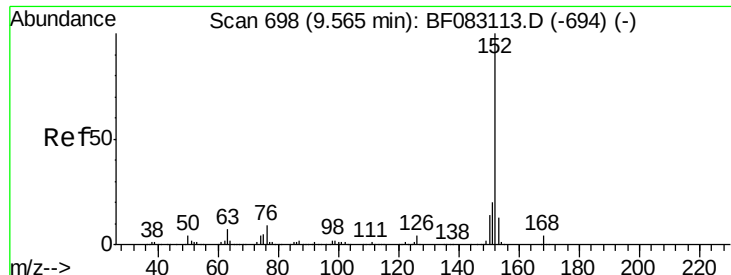
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#44
 2-Fluorobiphenyl
 Concen: 21.13 ng
 RT: 8.96 min Scan# 610
 Delta R.T. -0.07 min
 Lab File: BF083286.D
 Acq: 25 Nov 2015 21:20

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.7	29.5	44.3
170	22.9	19.9	29.9





#48

Acenaphthylene

Concen: 27.49 ng

RT: 9.48 min Scan# 656

Delta R.T. -0.08 min

Lab File: BF083286.D

Acq: 25 Nov 2015 21:20

Instrument :

BNA_F

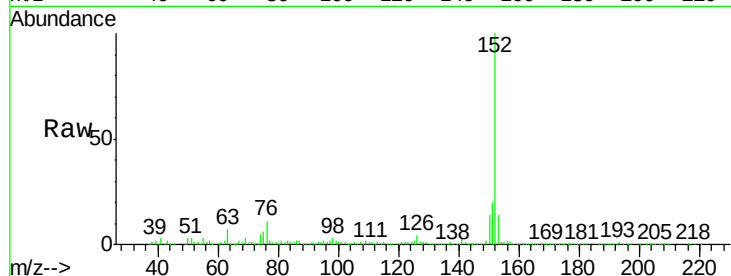
ClientSampleId :

STOCKPILE-COMPOSITE2

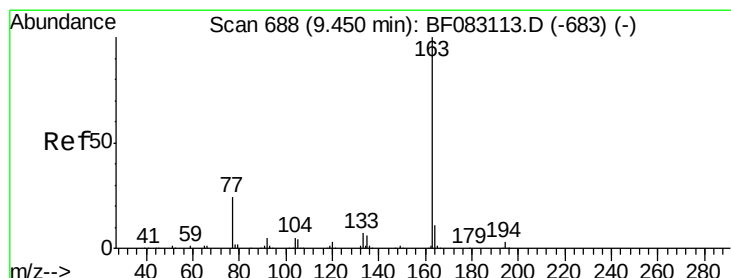
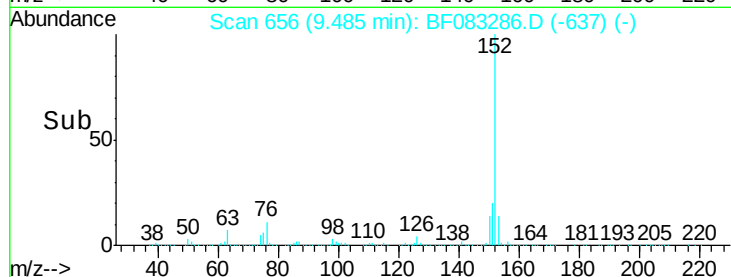
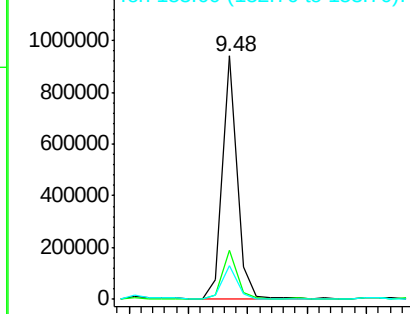
Tot Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.3	24.5
153	14.0	10.8	16.2

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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: 4.56 ng

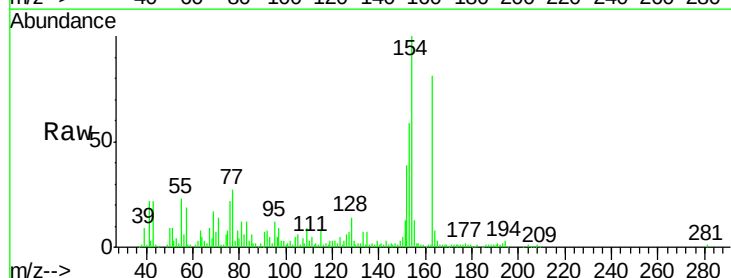
RT: 9.36 min Scan# 645

Delta R.T. -0.09 min

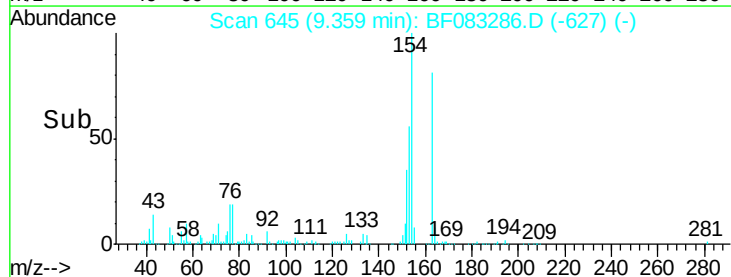
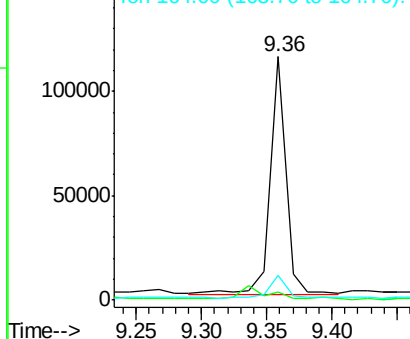
Lab File: BF083286.D

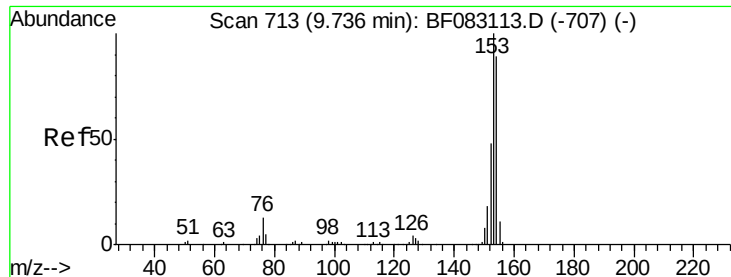
Acq: 25 Nov 2015 21:20

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.6	4.0
164	10.2	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: 8.42 ng

RT: 9.66 min Scan# 671

Delta R.T. -0.08 min

Lab File: BF083286.D

Acq: 25 Nov 2015 21:20

Instrument :

BNA_F

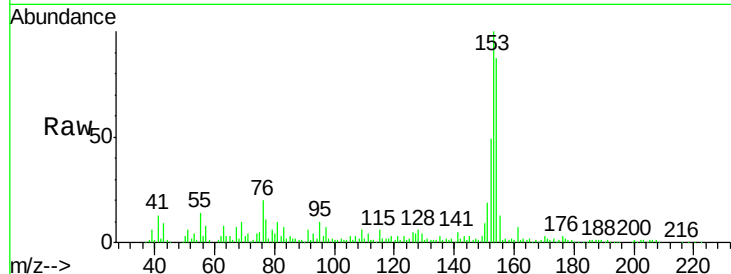
ClientSampleId :

STOCKPILE-COMPOSITE2

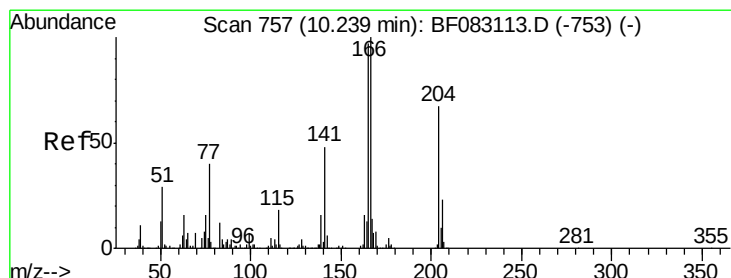
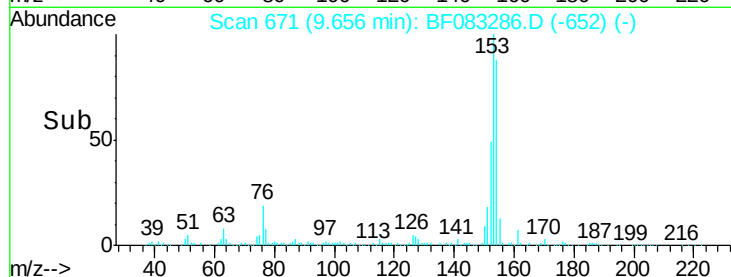
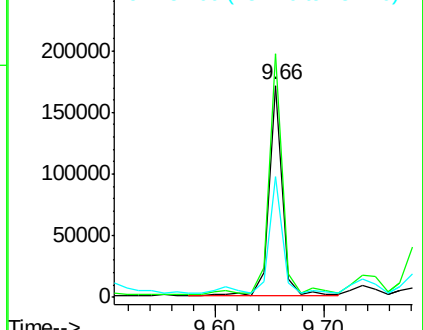
Tot Ion:	154	Resp:	148311
Ion Ratio	Lower	Upper	
154	100		
153	114.8	89.6	134.4
152	56.7	43.3	64.9

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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: 5.97 ng

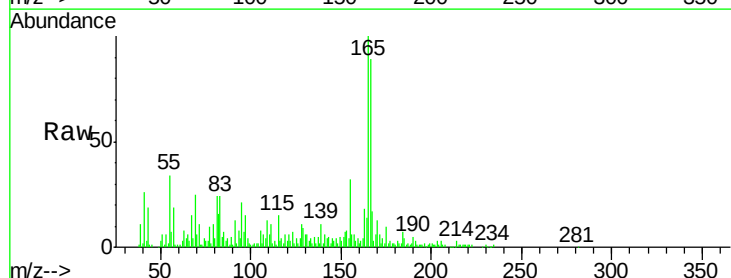
RT: 10.17 min Scan# 716

Delta R.T. -0.07 min

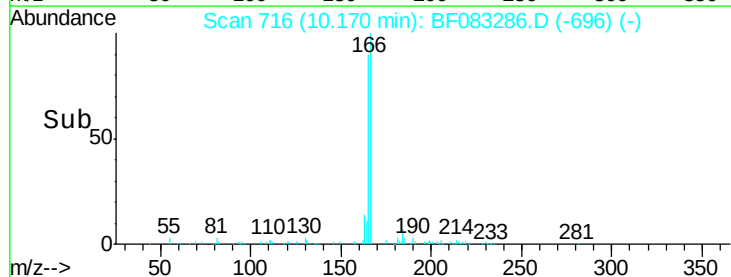
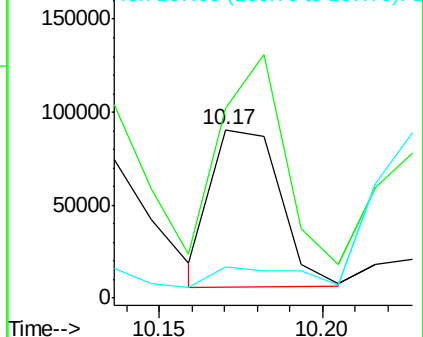
Lab File: BF083286.D

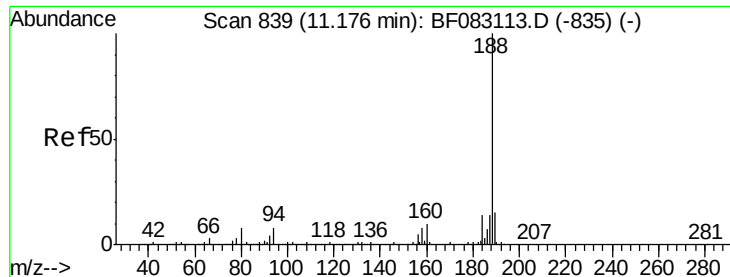
Acq: 25 Nov 2015 21:20

Tgt Ion:	166	Resp:	122943
Ion Ratio	Lower	Upper	
166	100		
165	112.6	78.0	117.0
167	18.8	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





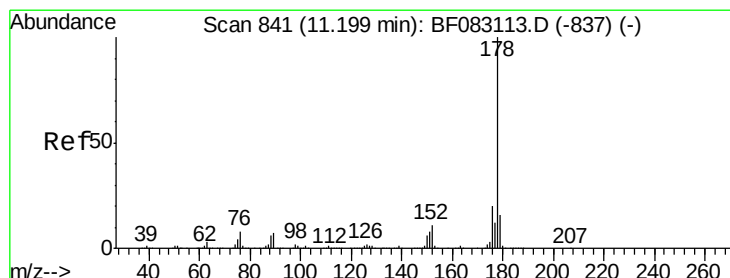
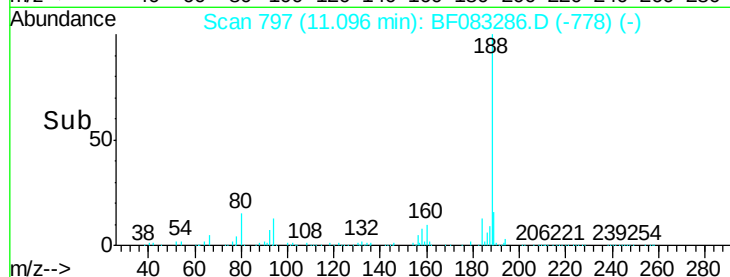
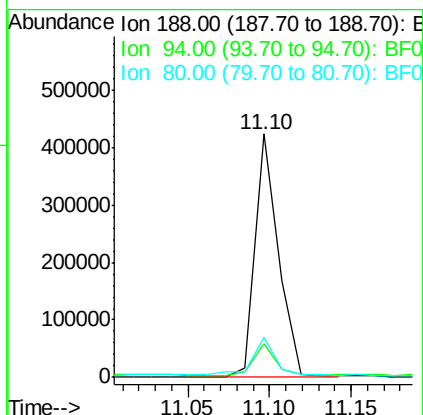
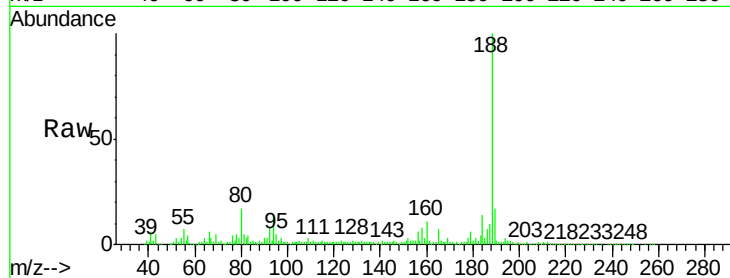
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.10 min Scan# 797
Delta R.T. -0.08 min
Lab File: BF083286.D
Acq: 25 Nov 2015 21:20

Instrument :
BNA_F
ClientSampleId :
STOCKPILE-COMPOSITE2

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	14.0	6.0	9.0#
80	16.6	6.7	10.1#

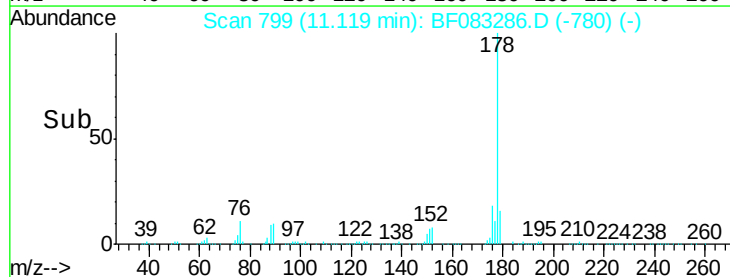
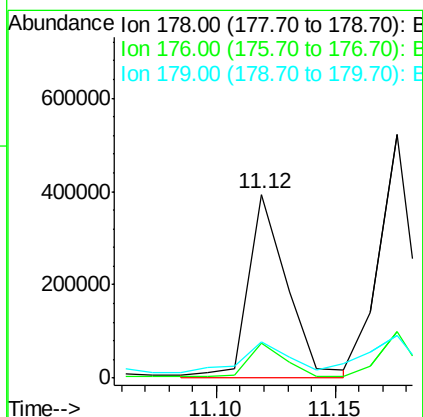
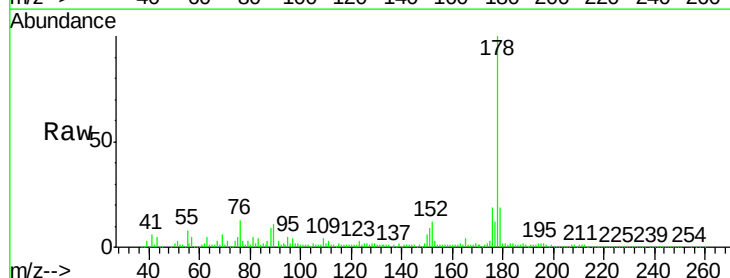
Manual Integrations
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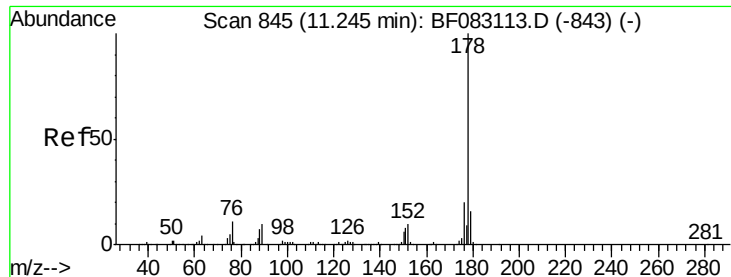
mmdadoda
11/26/2015 6:45:20 PM



#70
Phenanthrene
Concen: 18.27 ng m
RT: 11.12 min Scan# 799
Delta R.T. -0.08 min
Lab File: BF083286.D
Acq: 25 Nov 2015 21:20

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.1	16.2	24.2
179	19.4	12.8	19.2#





#71

Anthracene

Concen: 19.41 ng m

RT: 11.18 min Scan# 804

Delta R.T. -0.07 min

Lab File: BF083286.D

Acq: 25 Nov 2015 21:20

Instrument :

BNA_F

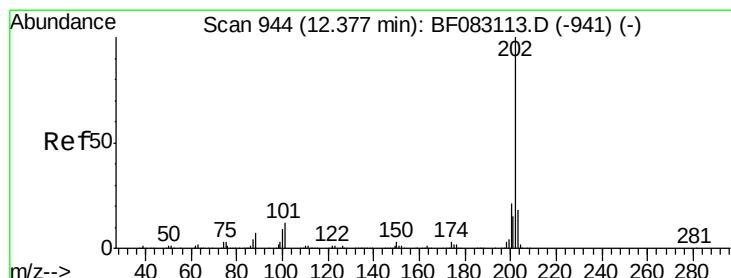
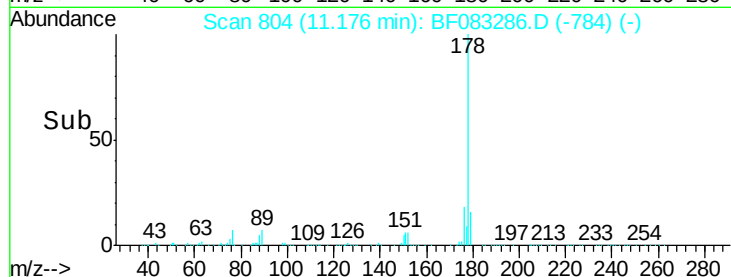
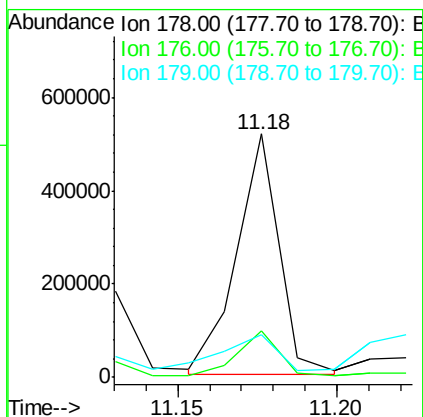
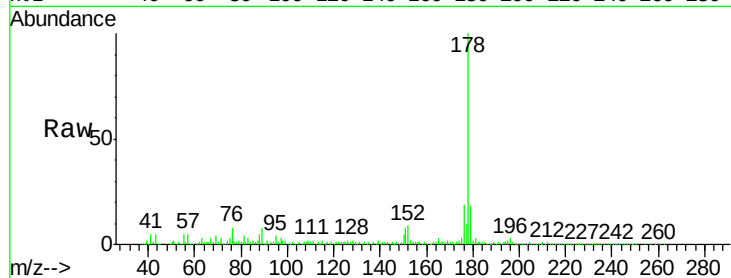
ClientSampleId :

STOCKPILE-COMPOSITE2

Manual Integrations
APPROVED

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Tot Ion:178	Resp:	479965
Ion Ratio	Lower	Upper
178	100	
176	18.9	15.6 23.4
179	17.6	13.2 19.8



#74

Fluoranthene

Concen: 62.15 ng

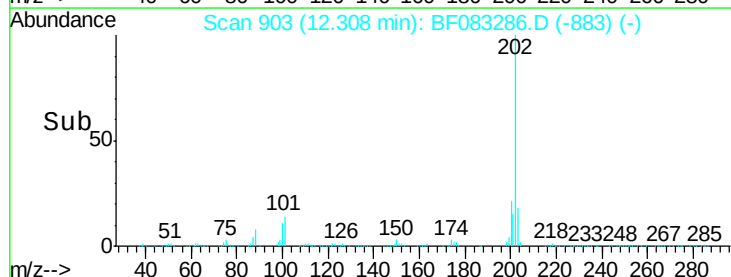
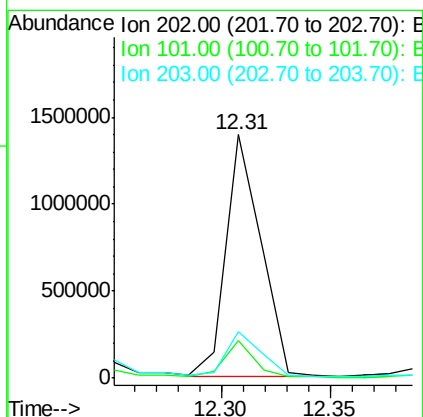
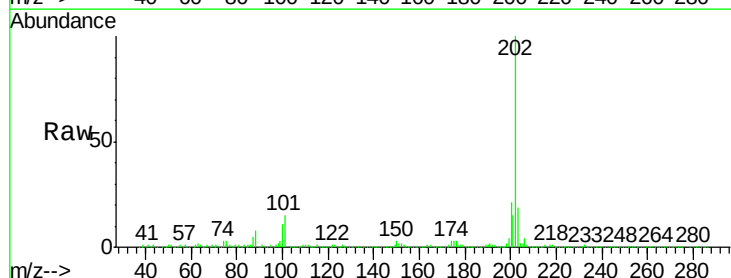
RT: 12.31 min Scan# 903

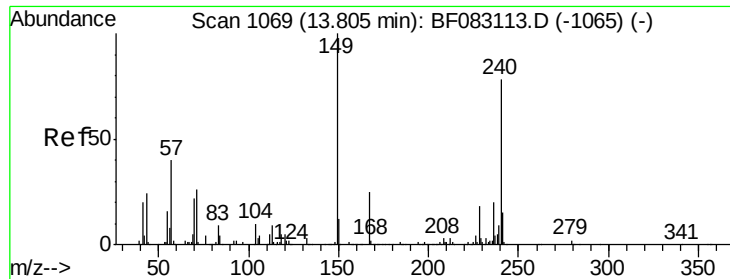
Delta R.T. -0.07 min

Lab File: BF083286.D

Acq: 25 Nov 2015 21:20

Tgt Ion:202	Resp:	1541415
Ion Ratio	Lower	Upper
202	100	
101	15.2	0.0 32.3
203	19.0	0.0 38.4





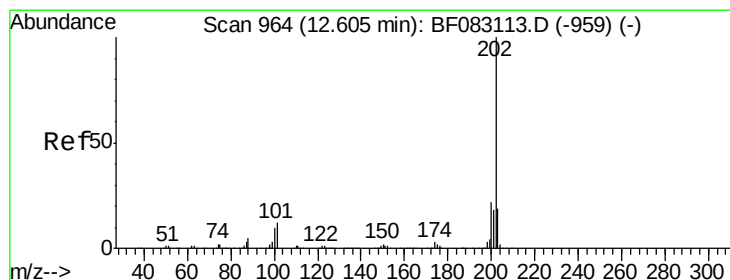
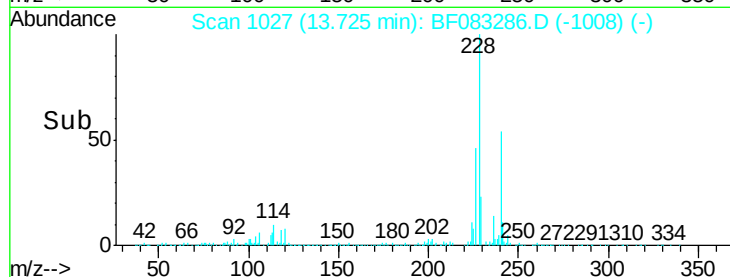
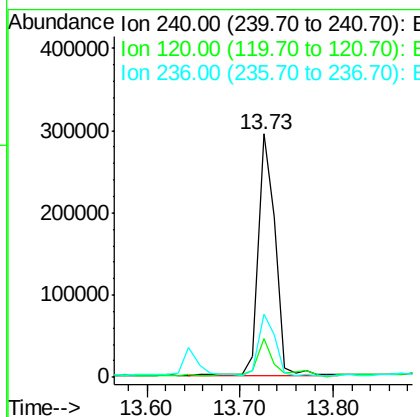
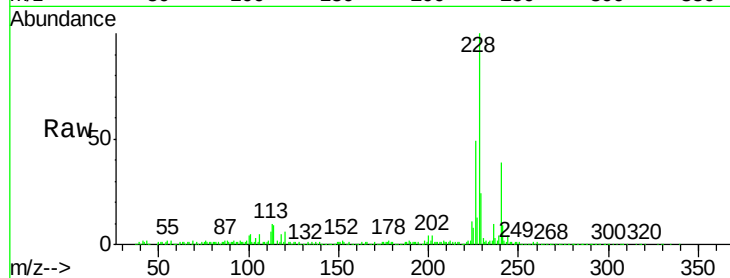
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.73 min Scan# 1027
Delta R.T. -0.08 min
Lab File: BF083286.D
Acq: 25 Nov 2015 21:20

Instrument :
BNA_F
ClientSampleId :
STOCKPILE-COMPOSITE2

Tot Ion	Ratio	Lower	Upper
240	100		
120	16.0	5.4	8.2#
236	25.8	20.6	31.0

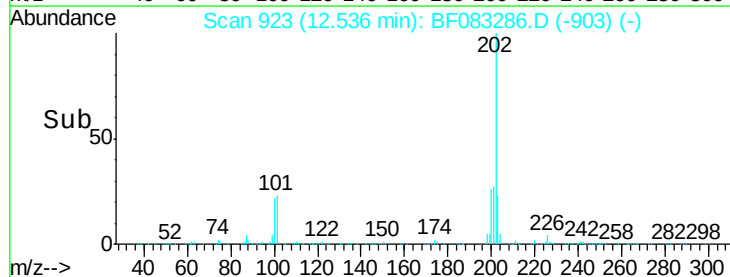
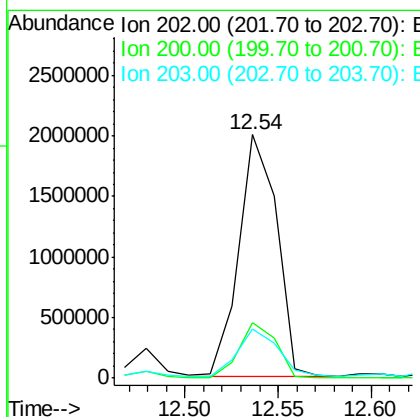
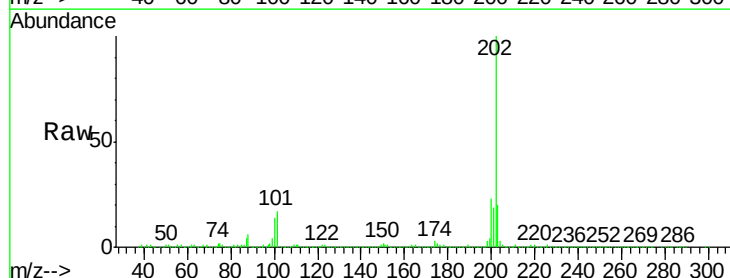
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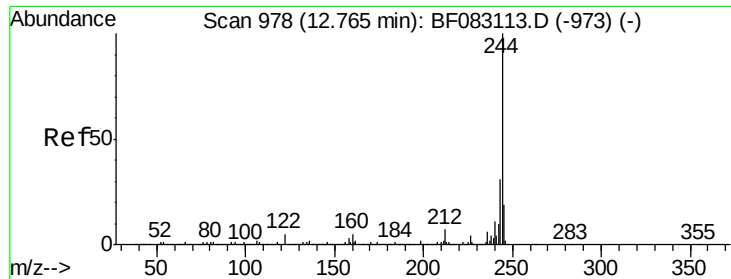
mmdadoda
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#77
Pyrene
Concen: 112.77 ng
RT: 12.54 min Scan# 923
Delta R.T. -0.07 min
Lab File: BF083286.D
Acq: 25 Nov 2015 21:20

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.8	17.8	26.6
203	20.3	15.0	22.4





#78

Terphenyl-d14

Concen: 18.38 ng

RT: 12.68 min Scan# 936

Delta R.T. -0.08 min

Lab File: BF083286.D

Acq: 25 Nov 2015 21:20

Instrument :

BNA_F

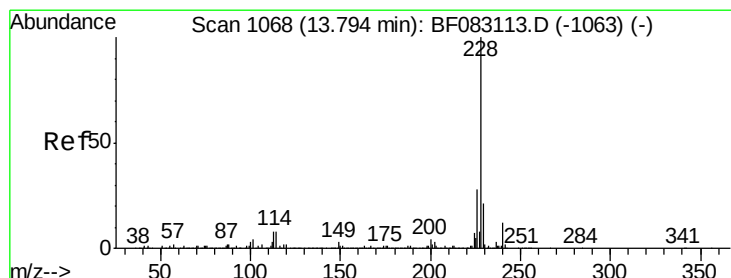
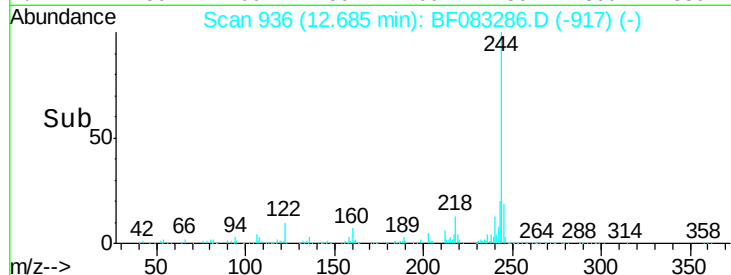
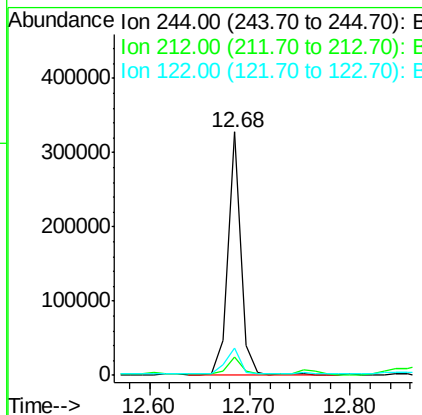
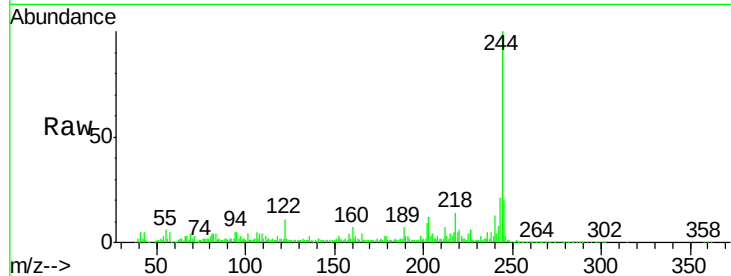
ClientSampleId :

STOCKPILE-COMPOSITE2

Tot Ion:	244	Resp:	289342
Ion Ratio	Lower	Upper	
244	100		
212	7.5	5.4	8.2
122	11.0	4.3	6.5#

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 53.60 ng m

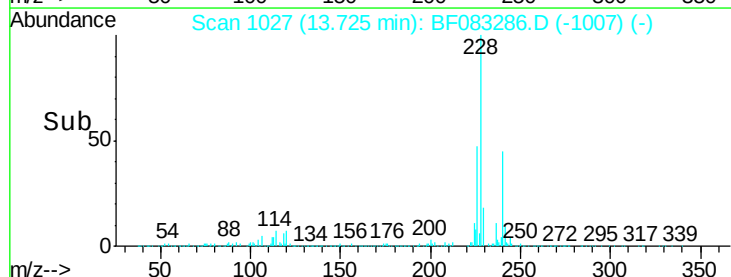
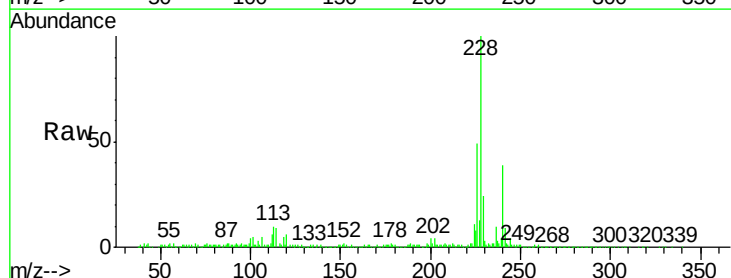
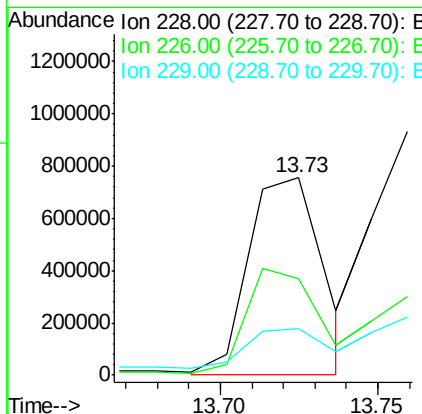
RT: 13.73 min Scan# 1027

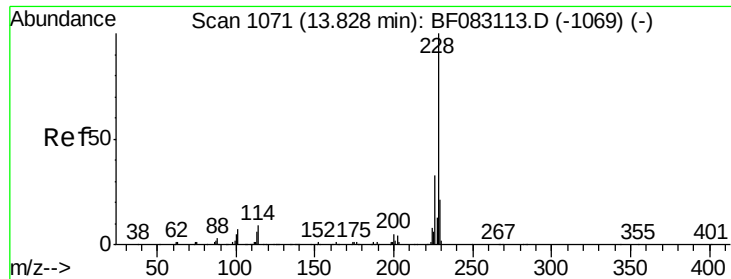
Delta R.T. -0.07 min

Lab File: BF083286.D

Acq: 25 Nov 2015 21:20

Tgt Ion:	228	Resp:	1229007
Ion Ratio	Lower	Upper	
228	100		
226	48.8	22.6	33.8#
229	23.6	16.6	24.8





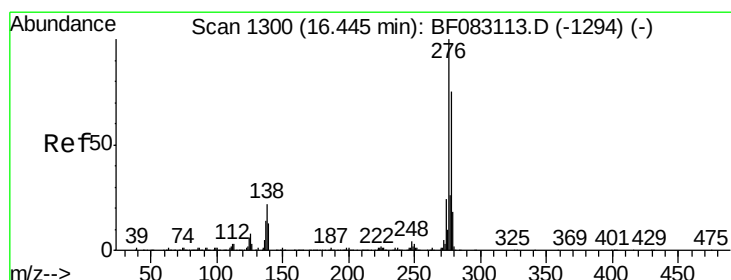
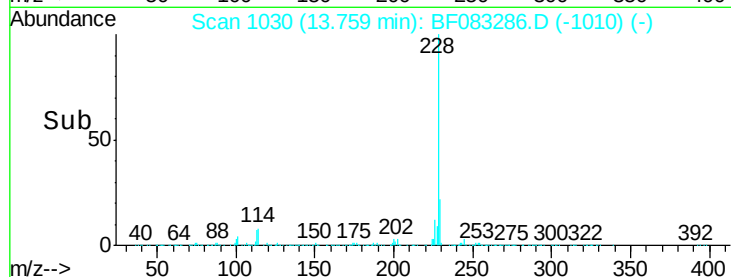
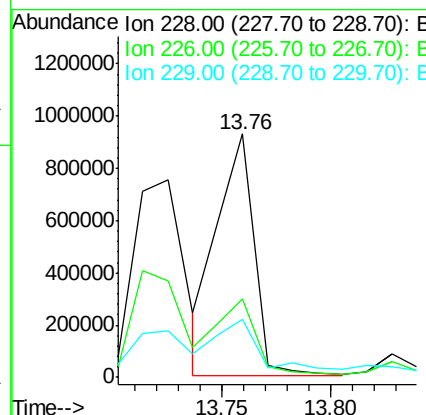
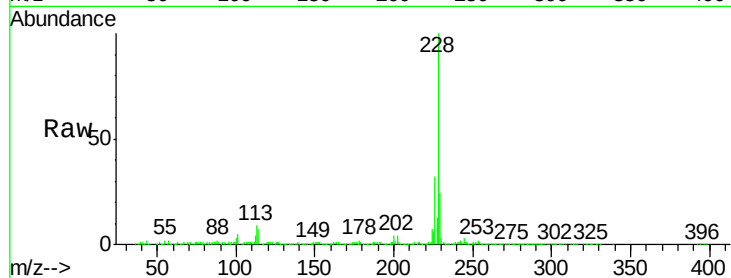
#82
Chrysene
Concen: 51.15 ng
RT: 13.76 min Scan# 1030
Delta R.T. -0.07 min
Lab File: BF083286.D
Acq: 25 Nov 2015 21:20

Instrument :
BNA_F
ClientSampleId :
STOCKPILE-COMPOSITE2

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.4	25.5	38.3
229	23.8	16.6	25.0

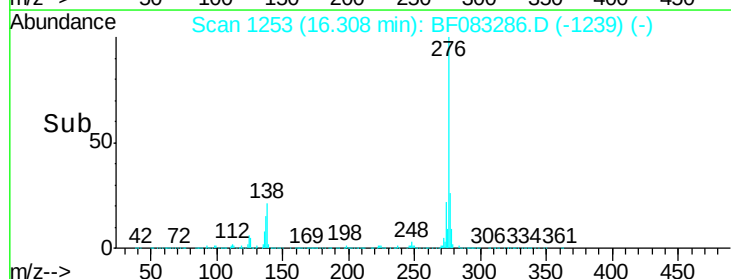
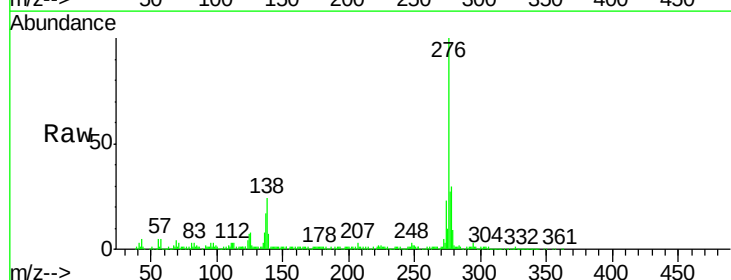
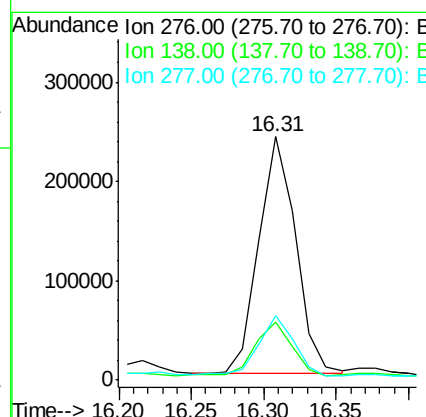
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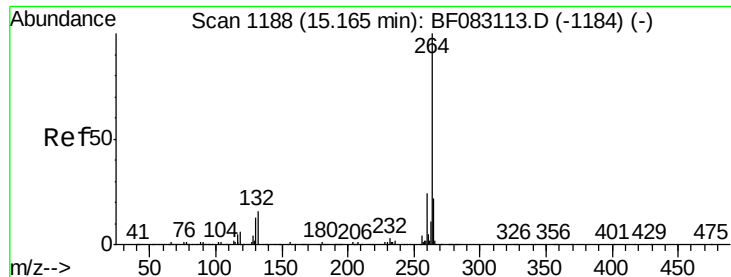
mmdadoda
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#85
Indeno(1,2,3-cd)pyrene
Concen: 21.68 ng
RT: 16.31 min Scan# 1253
Delta R.T. -0.14 min
Lab File: BF083286.D
Acq: 25 Nov 2015 21:20

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.0	18.0	27.0
277	25.6	20.2	30.4





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.09 min Scan# 1146

Delta R.T. -0.08 min

Lab File: BF083286.D

Acq: 25 Nov 2015 21:20

Instrument :

BNA_F

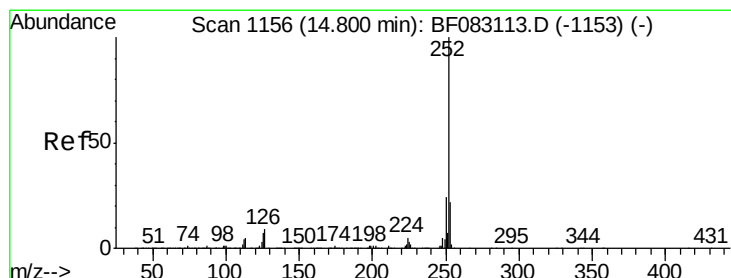
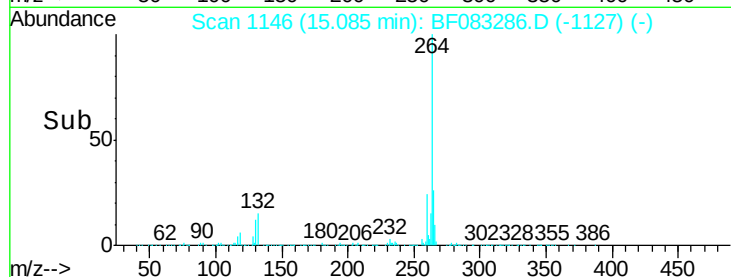
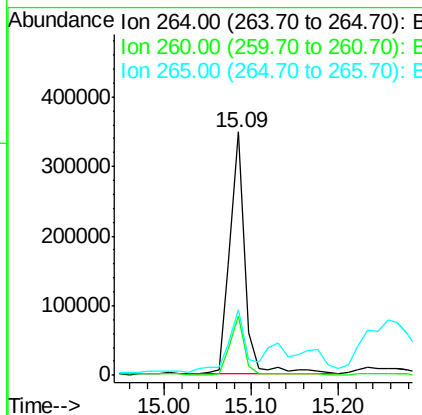
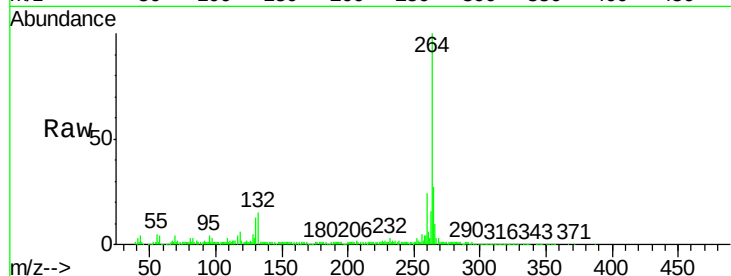
ClientSampleId :

STOCKPILE-COMPOSITE2

Tot Ion:	264	Resp:	425841
Ion Ratio	Lower	Upper	
264	100		
260	24.3	19.1	28.7
265	26.9	18.2	27.4

Manual Integrations
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#87

Benzo(b)fluoranthene

Concen: 30.90 ng m

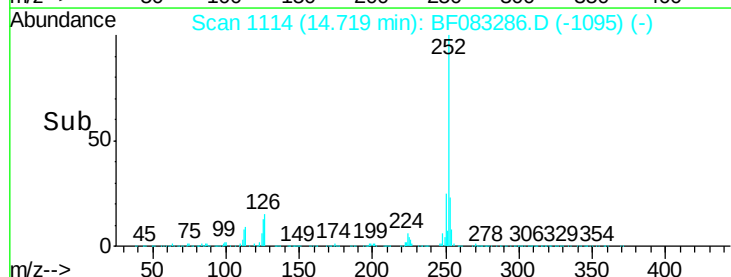
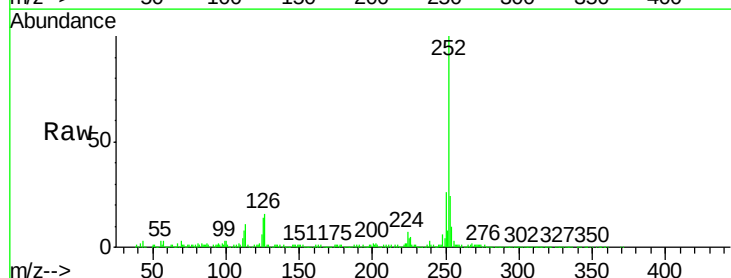
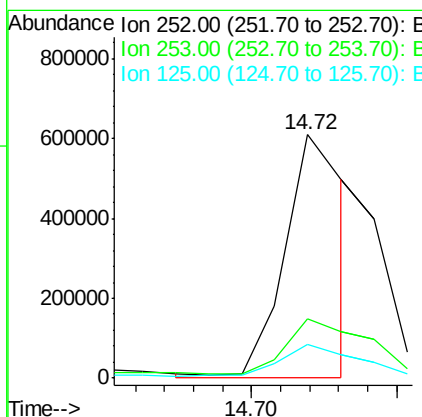
RT: 14.72 min Scan# 1114

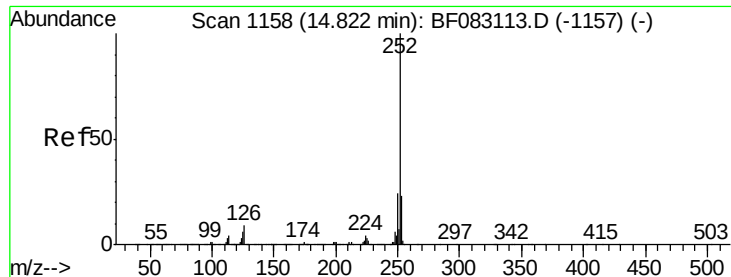
Delta R.T. -0.08 min

Lab File: BF083286.D

Acq: 25 Nov 2015 21:20

Tgt Ion:	252	Resp:	898955
Ion Ratio	Lower	Upper	
252	100		
253	24.1	17.7	26.5
125	13.7	5.6	8.4#





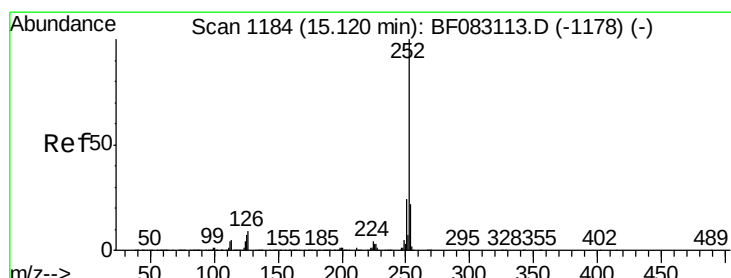
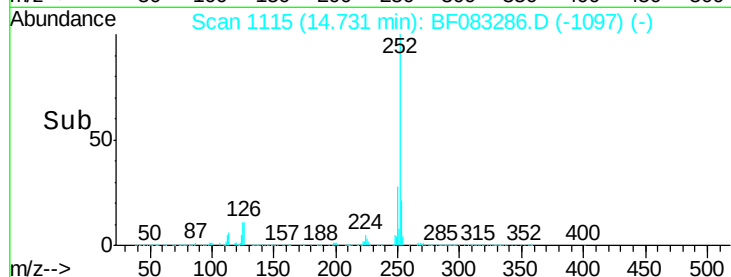
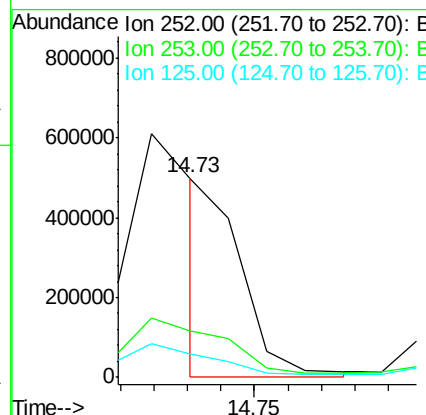
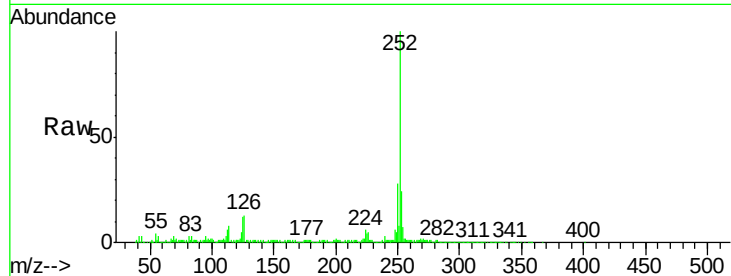
#88
Benzo(k)fluoranthene
Concen: 15.68 ng m
RT: 14.73 min Scan# 1115
Delta R.T. -0.09 min
Lab File: BF083286.D
Acq: 25 Nov 2015 21:20

Instrument :
BNA_F
ClientSampleId :
STOCKPILE-COMPOSITE2

Tot Ion	Ratio	Resp	Lower	Upper
252	100	340007		
253	23.5	18.2	27.2	
125	11.9	6.8	10.2	

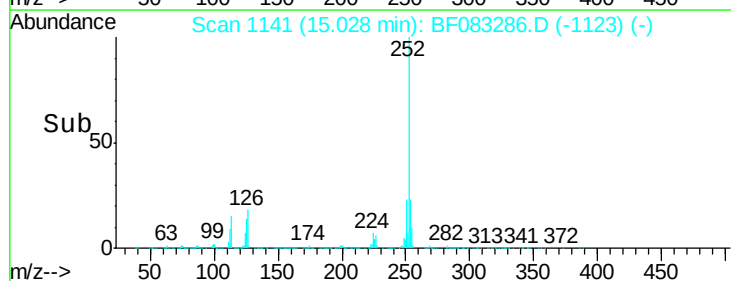
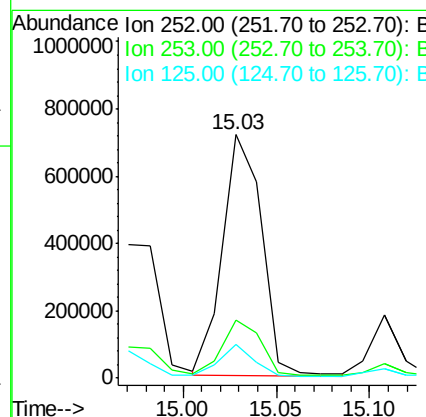
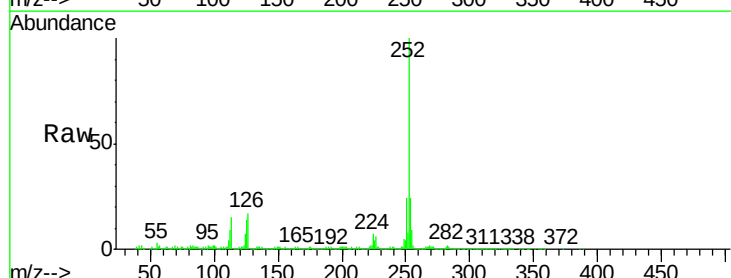
Manual Integrations
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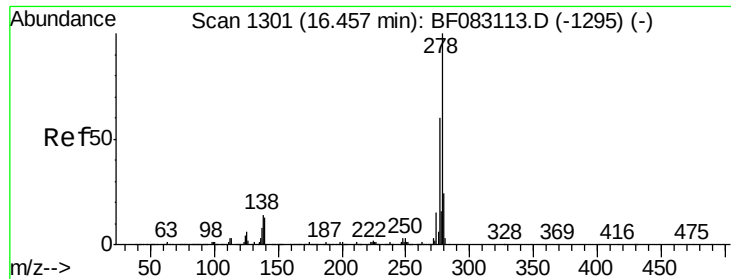
mmdadoda
11/26/2015 6:45:20 PM



#89
Benzo(a)pyrene
Concen: 43.81 ng
RT: 15.03 min Scan# 1141
Delta R.T. -0.09 min
Lab File: BF083286.D
Acq: 25 Nov 2015 21:20

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	1052350		
253	23.6	17.5	26.3	
125	13.7	5.4	8.0	





#90

Dibenzo(a,h)anthracene

Concen: 5.90 ng/mL

RT: 16.31 min Scan# 1253

Delta R.T. -0.15 min

Lab File: BF083286.D

Acq: 25 Nov 2015 21:20

Instrument :

BNA_F

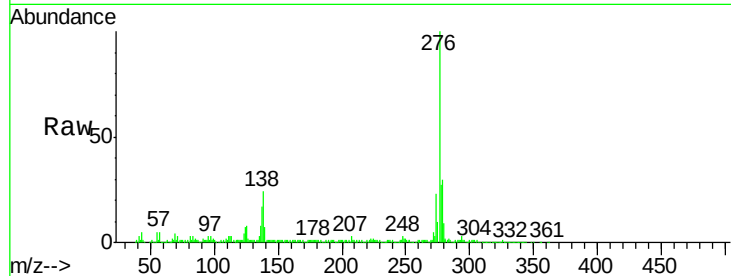
ClientSampleId :

STOCKPILE-COMPOSITE2

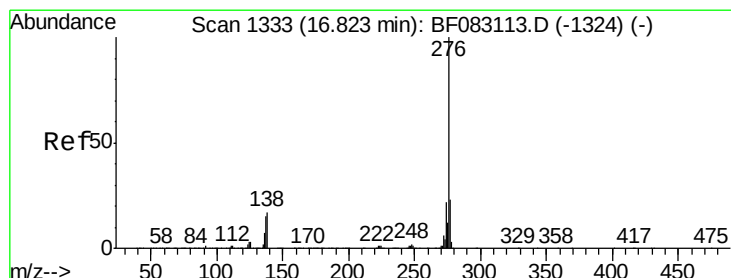
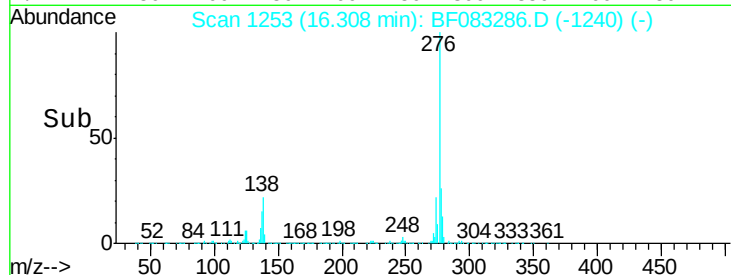
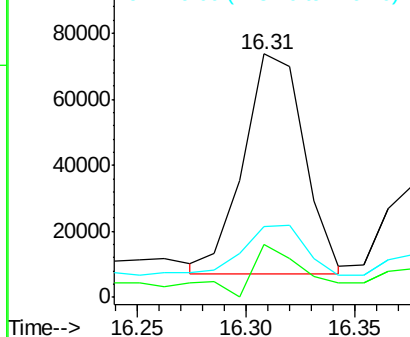
Tot Ion:	278	Resp:	128798
Ion Ratio		Lower	Upper
278	100		
139	21.8	10.7	16.1#
279	29.1	19.3	28.9#

Manual Integrations
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Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 20.29 ng/mL

RT: 16.67 min Scan# 1285

Delta R.T. -0.15 min

Lab File: BF083286.D

Acq: 25 Nov 2015 21:20

Tgt Ion:	276	Resp:	432321
Ion Ratio		Lower	Upper
276	100		
277	24.2	18.7	28.1
138	23.8	13.9	20.9#

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

