

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112515\
 Data File : BF083287.D
 Acq On : 25 Nov 2015 21:49
 Operator : UM/IZ
 Sample : G4567-03 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 STOCKPILE-COMPOSITE3

Manual Integrations
 APPROVED

mmdadoda
 11/26/2015 6:43:42 PM

Quant Time: Nov 26 04:00:14 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	152289m	20.00	ng	-0.08
21) Naphthalene-d8	7.87	136	571328	20.00	ng	-0.08
38) Acenaphthene-d10	9.62	164	257406	20.00	ng	-0.08
63) Phenanthrene-d10	11.10	188	390980	20.00	ng	-0.08
75) Chrysene-d12	13.73	240	386455	20.00	ng	-0.08
86) Perylene-d12	15.09	264	423330	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.18	112	313974	31.17	ng	-0.10
7) Phenol-d6	6.25	99	442105	33.92	ng	-0.09
23) Nitrobenzene-d5	7.15	82	280142	22.41	ng	-0.08
41) 2,4,6-Tribromophenol	10.41	330	66136	25.11	ng	-0.08
44) 2-Fluorobiphenyl	8.96	172	381489	20.67	ng	-0.07
78) Terphenyl-d14	12.69	244	257670	15.70	ng	-0.08
Target Compounds						Qvalue
31) Naphthalene	7.90	128	639530	20.74	ng	100
37) 2-Methylnaphthalene	8.59	142	179154	8.95	ng	96
48) Acenaphthylene	9.48	152	828931	31.08	ng	100
49) Dimethylphthalate	9.36	163	79486	4.01	ng	# 99
51) Acenaphthene	9.66	154	140568	8.66	ng	96
54) Dibenzofuran	9.83	168	49755	2.17	ng	# 83
57) Fluorene	10.17	166	151997m	8.01	ng	
70) Phenanthrene	11.12	178	669775	29.73	ng	98
71) Anthracene	11.18	178	458365	19.94	ng	98
74) Fluoranthene	12.31	202	1254762	54.43	ng	99
77) Pyrene	12.54	202	2043271	77.39	ng	99
80) Benzo(a)anthracene	13.71	228	1062556	44.46	ng	# 73
82) Chrysene	13.75	228	756510m	34.13	ng	
85) Indeno(1,2,3-cd)pyrene	16.31	276	474424	23.53	ng	99
87) Benzo(b)fluoranthene	14.72	252	986920m	34.12	ng	
88) Benzo(k)fluoranthene	14.73	252	336131m	15.60	ng	
89) Benzo(a)pyrene	15.03	252	1001608	41.94	ng	# 94
90) Dibenzo(a,h)anthracene	16.31	278	132416m	6.10	ng	
91) Benzo(a,h,i)perylene	16.67	276	468751m	22.14	ng	

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

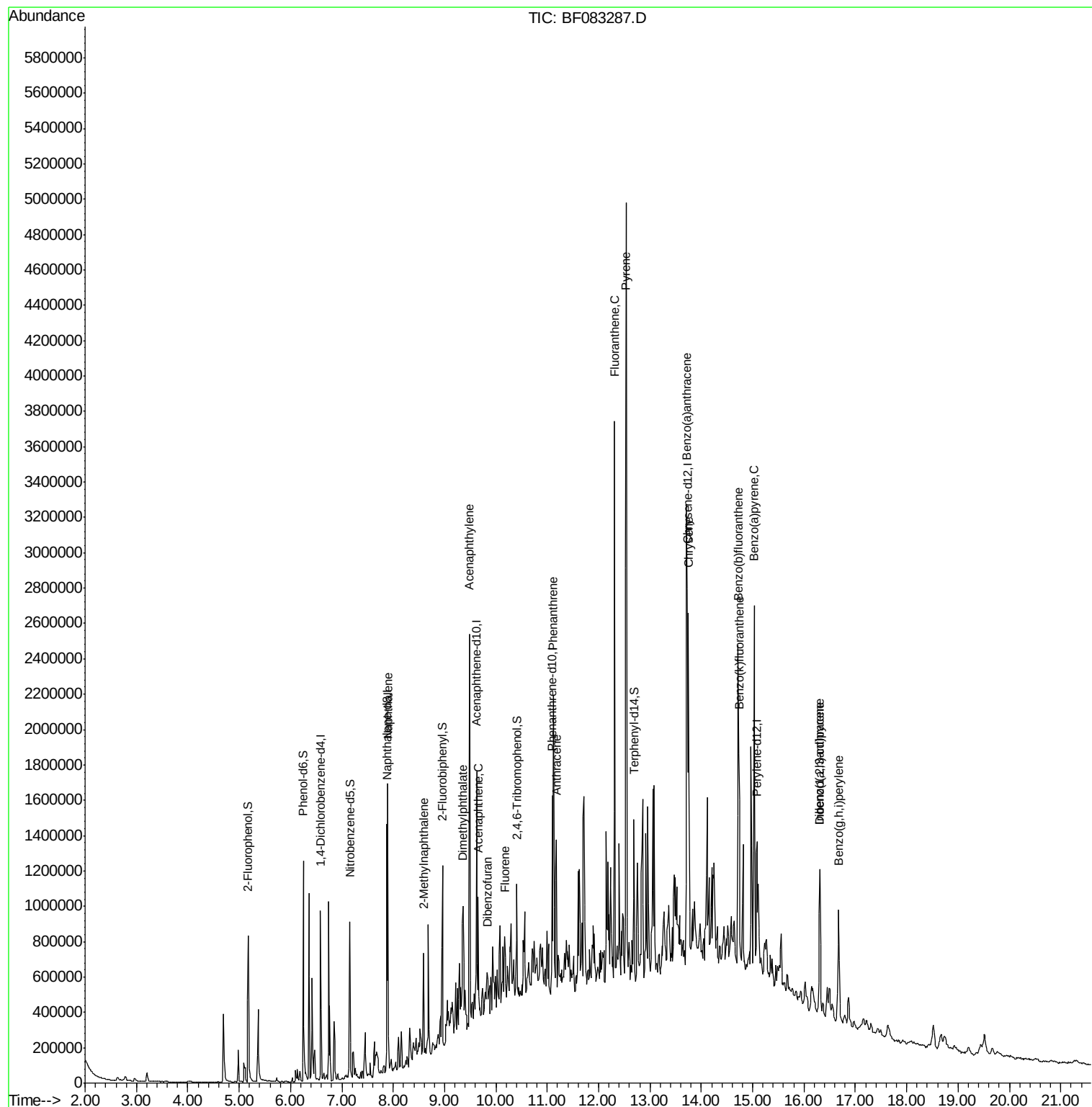
Data Path : Z:\HPCHEM1\BNA F\DATA\BF112515\
Data File : BF083287.D
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Misc :
ALS Vial : 14 Sample Multiplier: 1

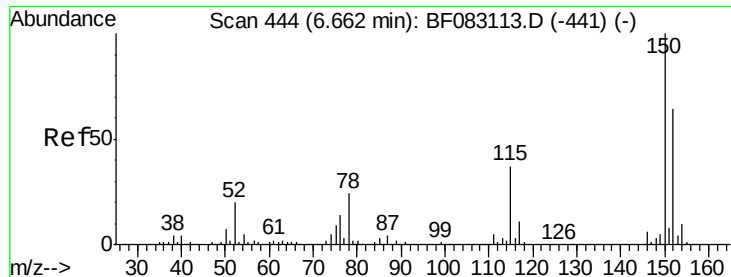
Instrument :
BNA_F
ClientSampleId :
STOCKPILE-COMPOSITE3

Manual Integrations
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Quant Time: Nov 26 04:00:14 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

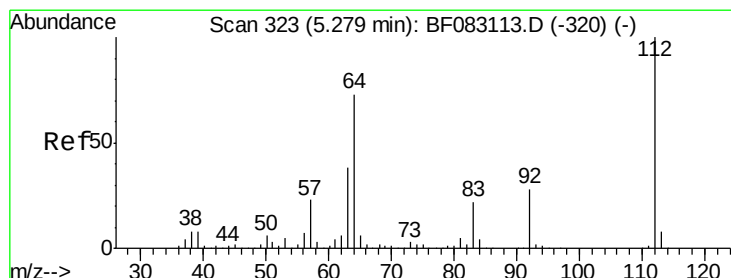
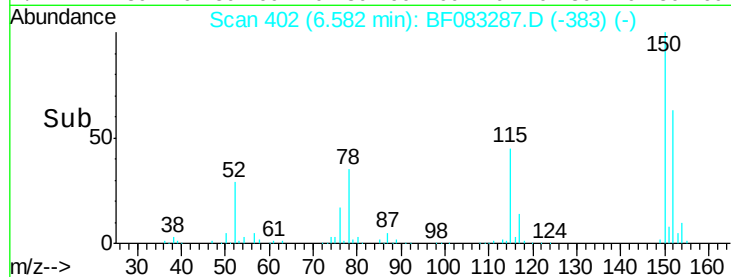
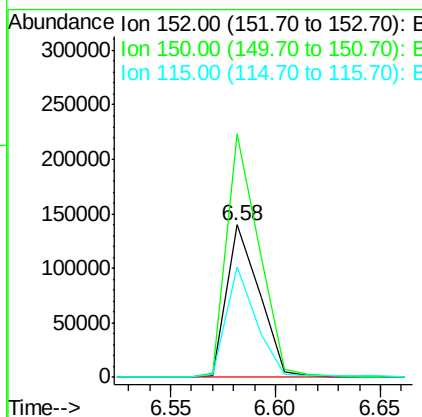
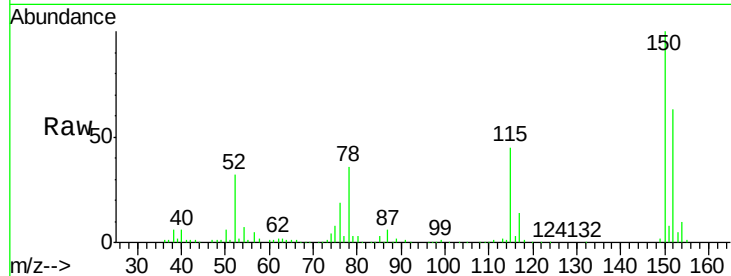
1,4-Dichlorobenzene-d4
Concen: 20.00 ng/ml
RT: 6.58 min Scan# 402
Delta R.T. -0.08 min
Lab File: BF083287.D
Acq: 25 Nov 2015 21:49

Instrument :
BNA_F
ClientSampleId :
STOCKPILE-COMPOSITE3

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.7	125.8	188.8
115	72.5	46.9	70.3

Manual Integrations
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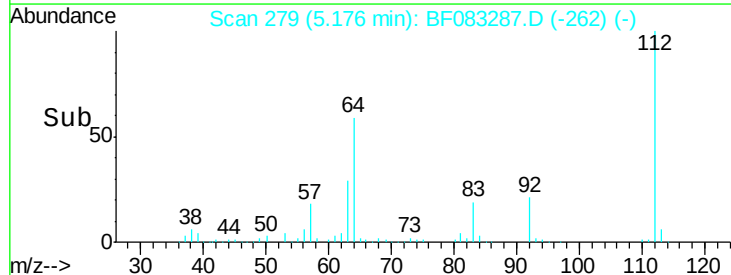
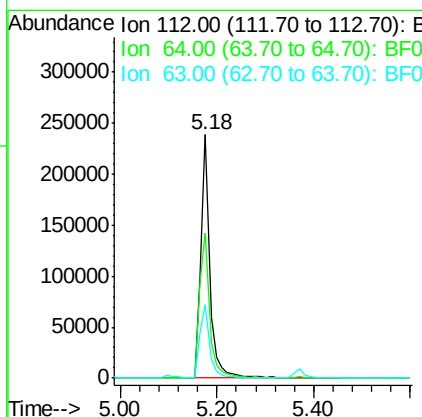
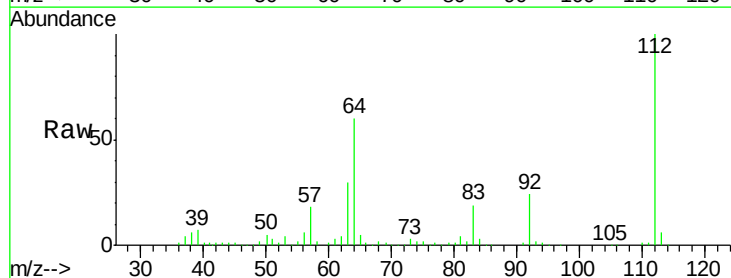
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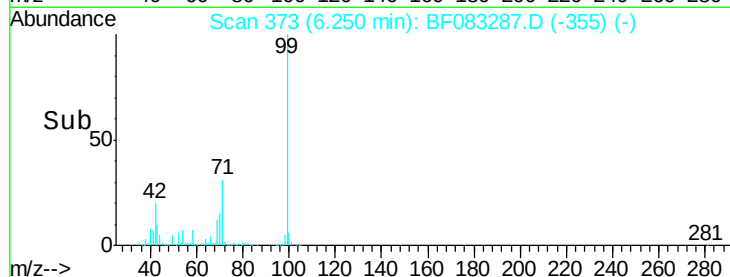
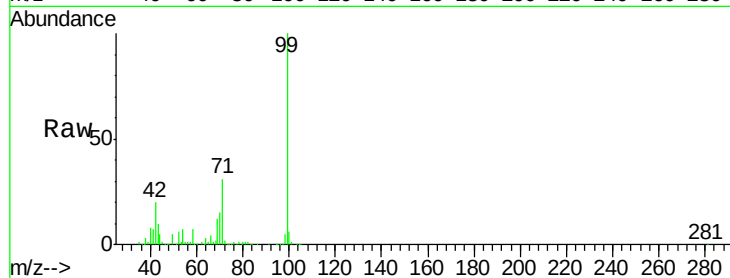
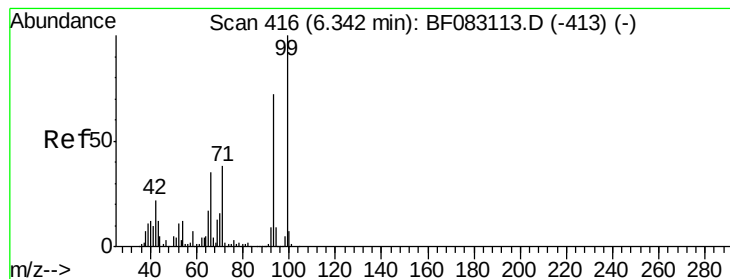


#5

2-Fluorophenol
Concen: 31.17 ng
RT: 5.18 min Scan# 279
Delta R.T. -0.10 min
Lab File: BF083287.D
Acq: 25 Nov 2015 21:49

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.8	58.4	87.6
63	30.1	30.0	45.0





#7

Phenol-d6

Concen: 33.92 ng

RT: 6.25 min Scan# 373

Delta R.T. -0.09 min

Lab File: BF083287.D

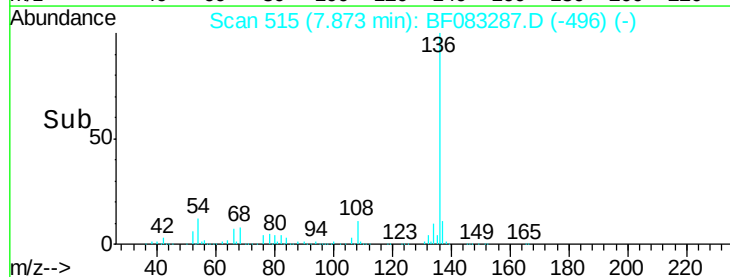
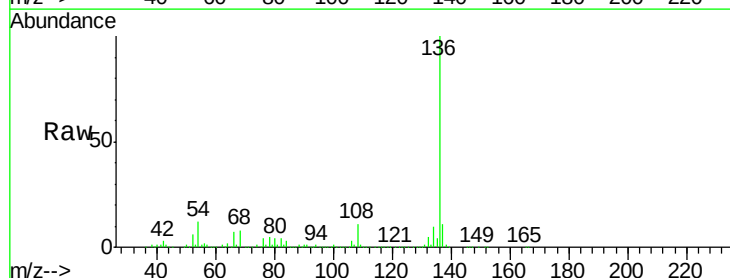
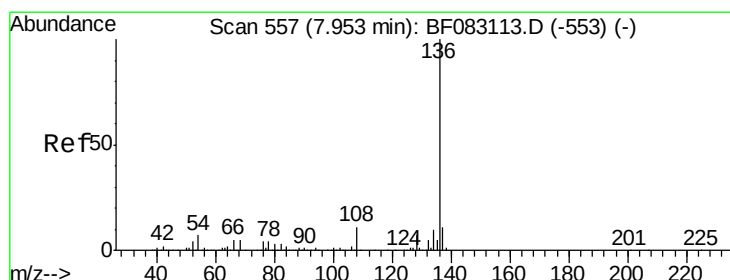
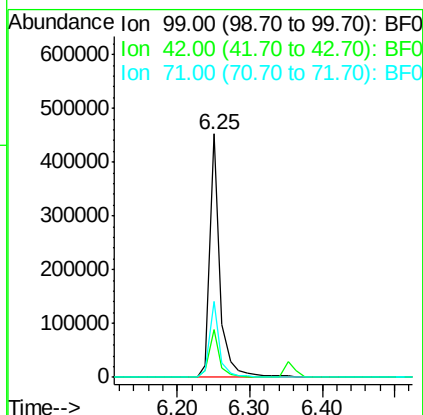
Acq: 25 Nov 2015 21:49

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		442105		
42	19.5	17.7	26.5		
71	31.4	30.2	45.4		

Instrument :
BNA_F
ClientSampleId :
STOCKPILE-COMPOSITE3

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#21

Naphthalene-d8

Concen: 20.00 ng

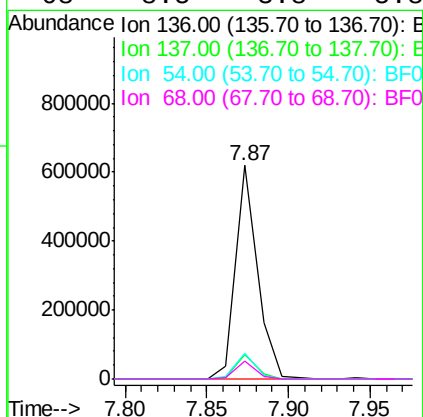
RT: 7.87 min Scan# 515

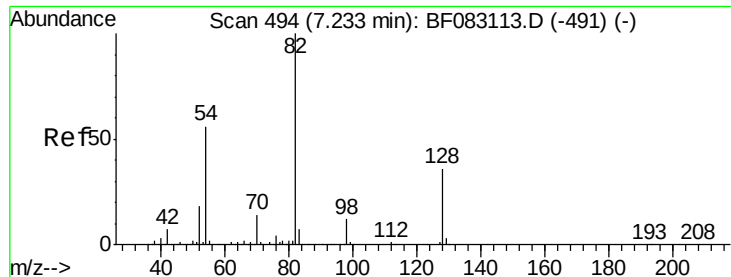
Delta R.T. -0.08 min

Lab File: BF083287.D

Acq: 25 Nov 2015 21:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		571328		
137	11.4	8.7	13.1		
54	11.9	5.8	8.6#		
68	8.5	3.8	5.8#		





#23

Nitrobenzene-d5

Concen: 22.41 ng

RT: 7.15 min Scan# 452

Delta R.T. -0.08 min

Lab File: BF083287.D

Acq: 25 Nov 2015 21:49

Instrument :

BNA_F

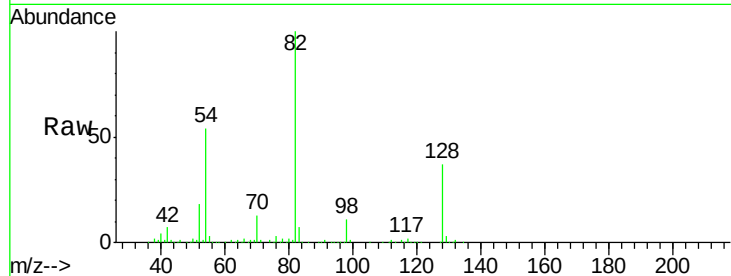
ClientSampleId :

STOCKPILE-COMPOSITE3

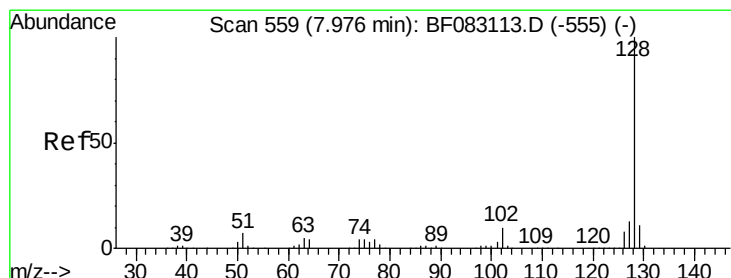
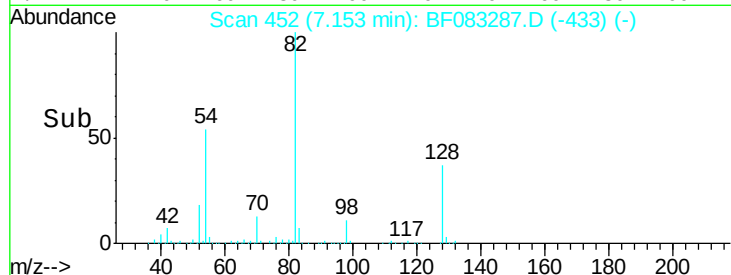
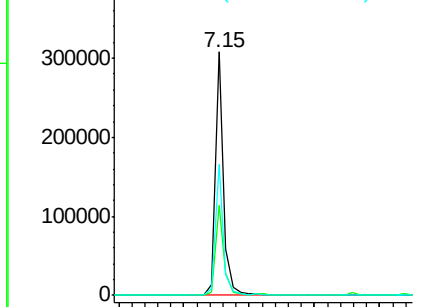
Tot Ion:	82	Resp:	280142
Ion Ratio		Lower	Upper
82	100		
128	36.8	28.5	42.7
54	54.0	44.6	67.0

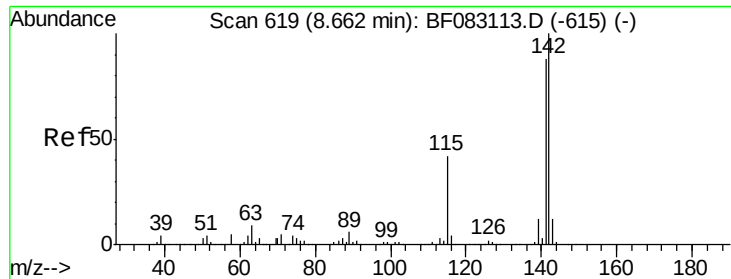
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Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0





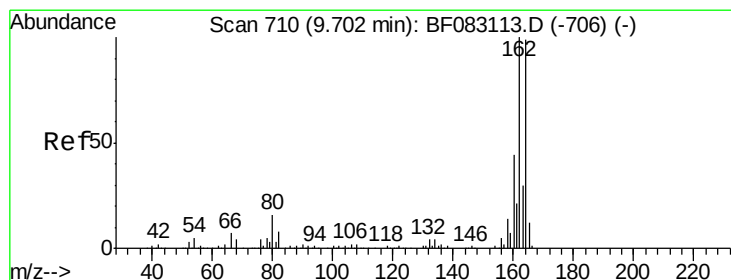
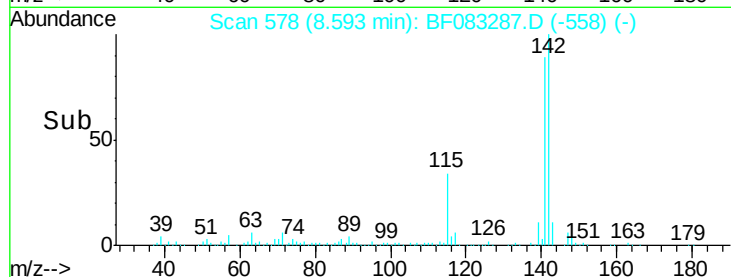
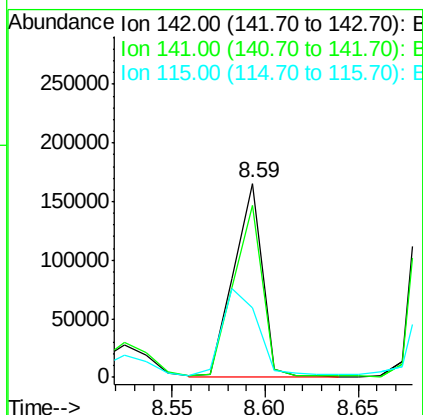
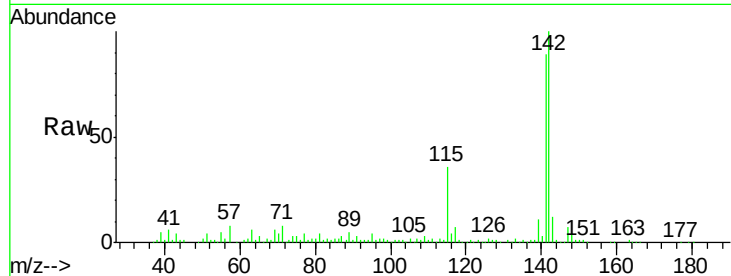
#37
2-Methylnaphthalene
Concen: 8.95 ng
RT: 8.59 min Scan# 578
Delta R.T. -0.07 min
Lab File: BF083287.D
Acq: 25 Nov 2015 21:49

Instrument :
BNA_F
ClientSampleId :
STOCKPILE-COMPOSITE3

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.0	70.3	105.5
115	35.7	33.4	50.2

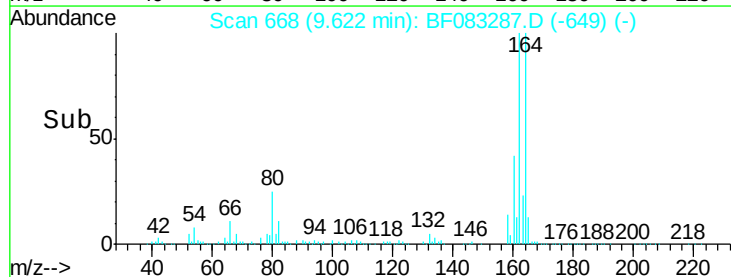
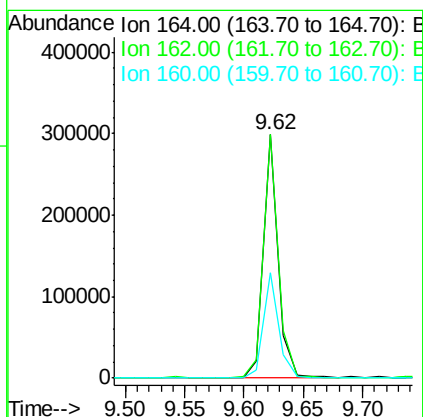
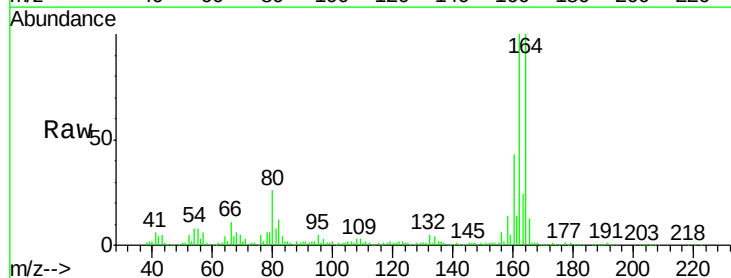
Manual Integrations
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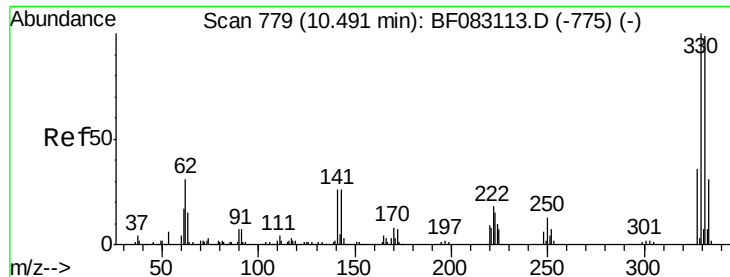
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.62 min Scan# 668
Delta R.T. -0.08 min
Lab File: BF083287.D
Acq: 25 Nov 2015 21:49

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.1	81.2	121.8
160	43.4	35.6	53.4





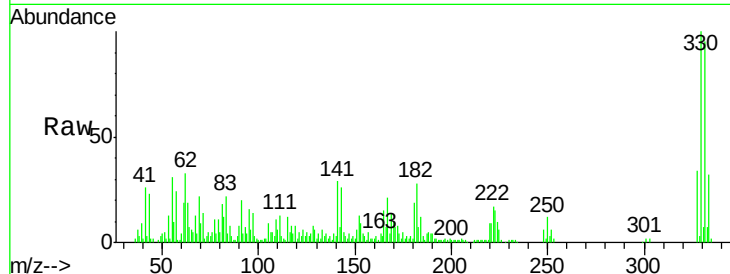
#41
 2,4,6-Tribromophenol
 Concen: 25.11 ng
 RT: 10.41 min Scan# 737
 Delta R.T. -0.08 min
 Lab File: BF083287.D
 Acq: 25 Nov 2015 21:49

Instrument :
 BNA_F
 ClientSampleId :
 STOCKPILE-COMPOSITE3

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.8	77.7	116.5
141	41.2	29.7	44.5

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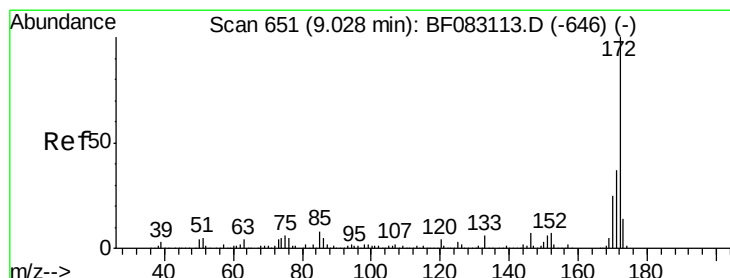
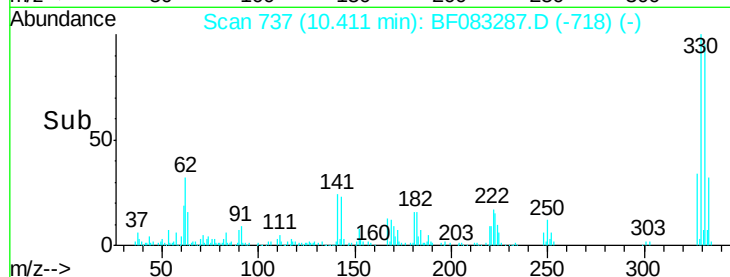
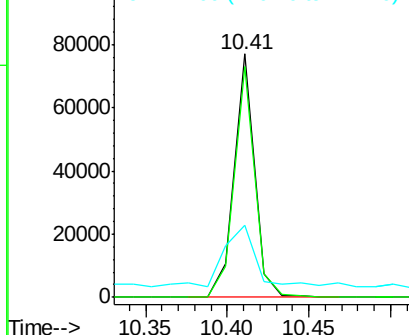


Abundance

Ion 329.80 (329.50 to 330.50): E

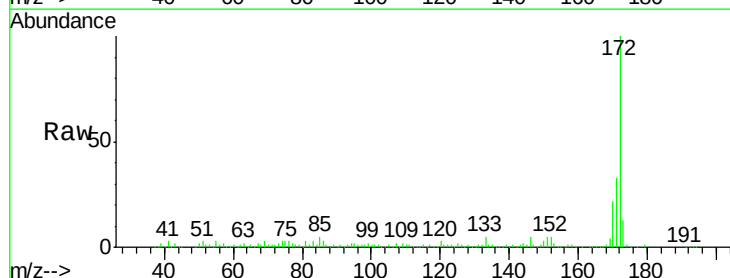
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 20.67 ng
 RT: 8.96 min Scan# 610
 Delta R.T. -0.07 min
 Lab File: BF083287.D
 Acq: 25 Nov 2015 21:49

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.2	29.5	44.3
170	22.0	19.9	29.9

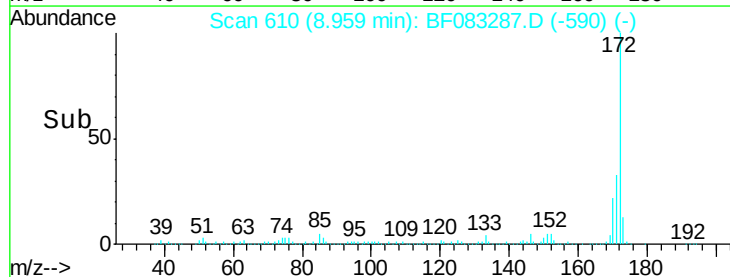
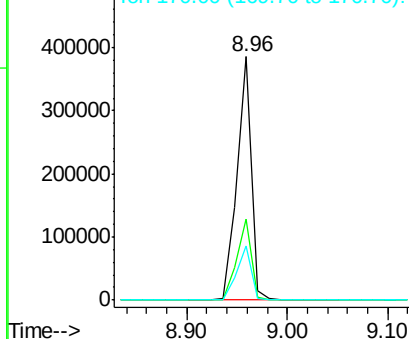


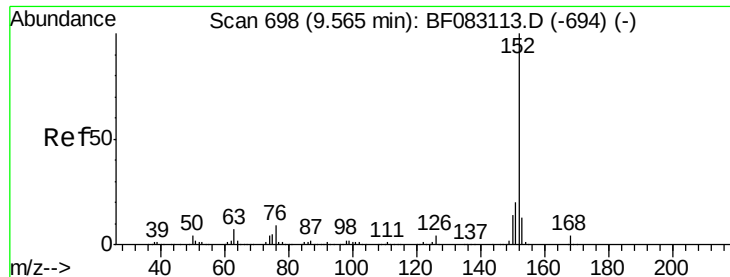
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#48

Acenaphthylene

Concen: 31.08 ng

RT: 9.48 min Scan# 656

Delta R.T. -0.08 min

Lab File: BF083287.D

Acq: 25 Nov 2015 21:49

Instrument :

BNA_F

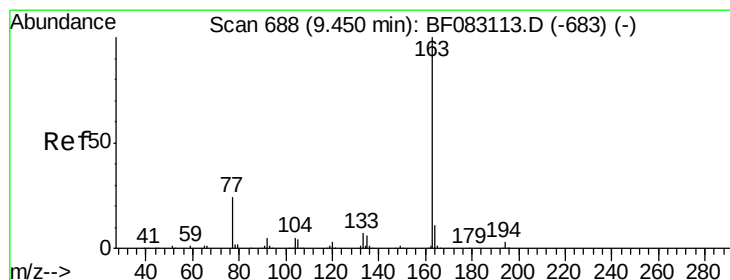
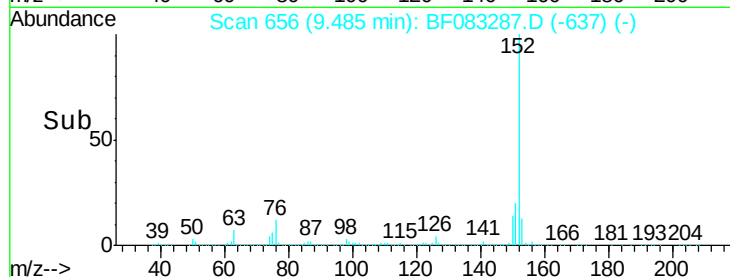
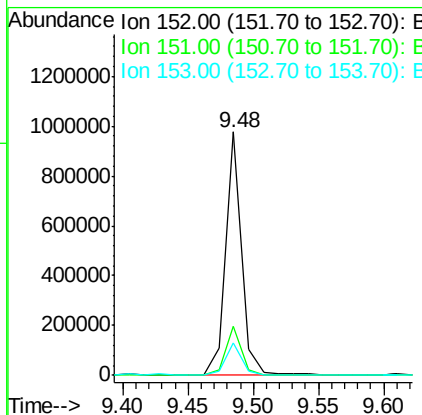
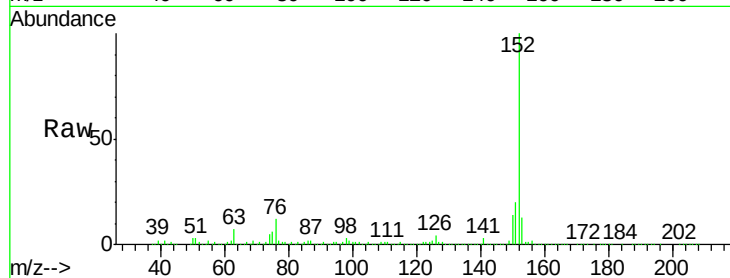
ClientSampleId :

STOCKPILE-COMPOSITE3

Tot Ion:	152	Resp:	828931
Ion Ratio	Lower	Upper	
152	100		
151	20.4	16.3	24.5
153	13.4	10.8	16.2

Manual Integrations
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#49

Dimethylphthalate

Concen: 4.01 ng

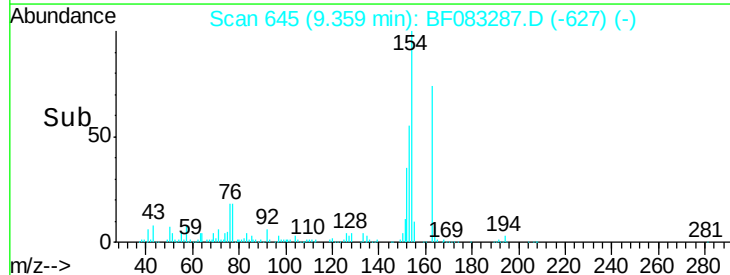
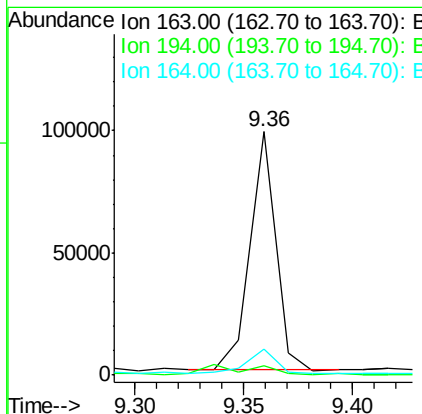
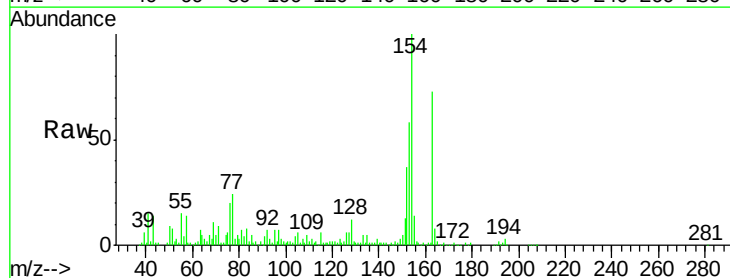
RT: 9.36 min Scan# 645

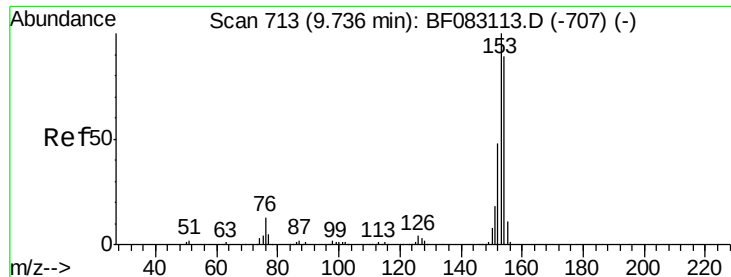
Delta R.T. -0.09 min

Lab File: BF083287.D

Acq: 25 Nov 2015 21:49

Tgt Ion:	163	Resp:	79486
Ion Ratio	Lower	Upper	
163	100		
194	4.0	2.6	4.0#
164	10.7	8.6	12.8





#51

Acenaphthene

Concen: 8.66 ng

RT: 9.66 min Scan# 671

Delta R.T. -0.08 min

Lab File: BF083287.D

Acq: 25 Nov 2015 21:49

Instrument :

BNA_F

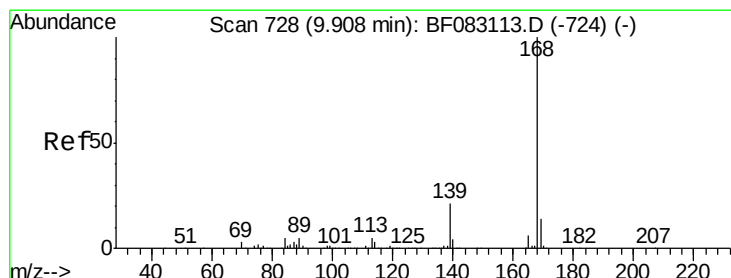
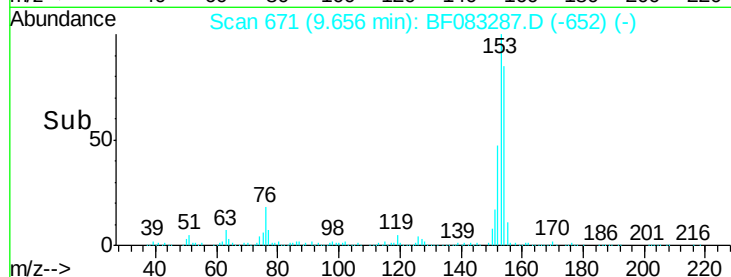
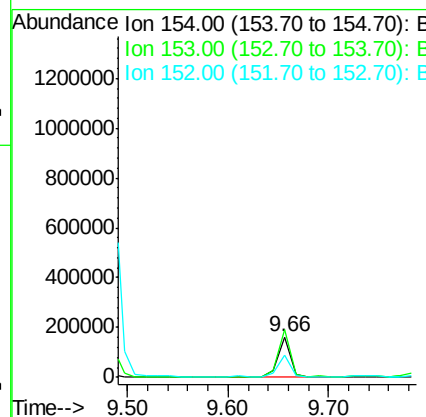
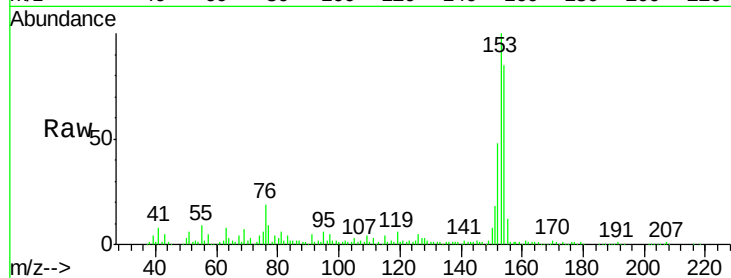
ClientSampleId :

STOCKPILE-COMPOSITE3

Manual Integrations
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Tot Ion:	154	Resp:	140568
Ion Ratio	Lower	Upper	
154	100		
153	117.4	89.6	134.4
152	55.8	43.3	64.9



#54

Dibenzofuran

Concen: 2.17 ng

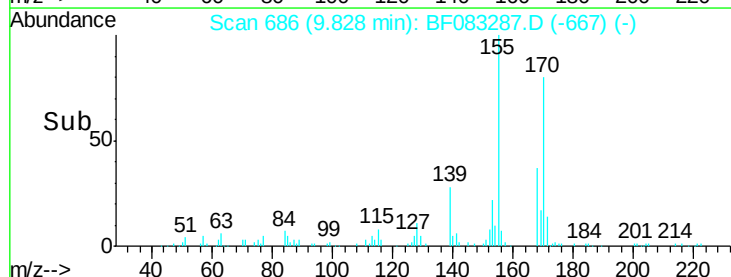
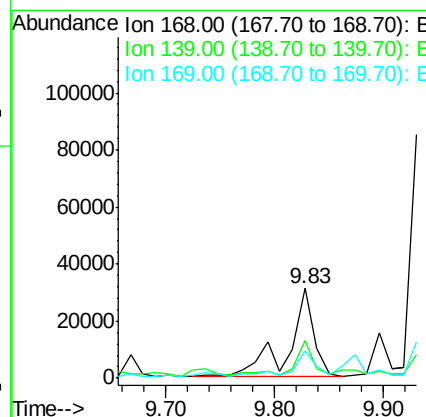
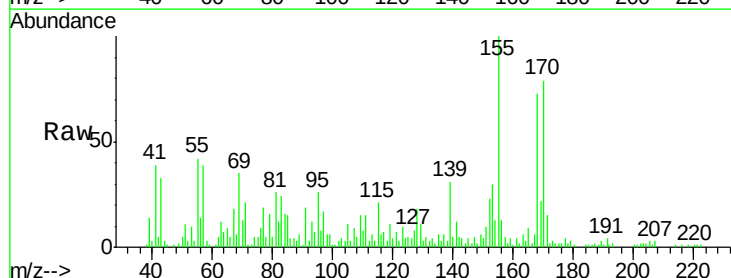
RT: 9.83 min Scan# 686

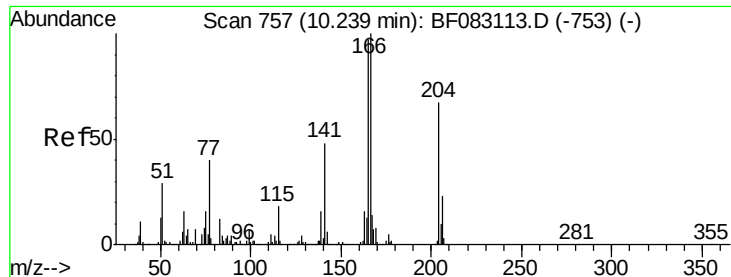
Delta R.T. -0.08 min

Lab File: BF083287.D

Acq: 25 Nov 2015 21:49

Tgt Ion:	168	Resp:	49755
Ion Ratio	Lower	Upper	
168	100		
139	42.5	30.2	45.2
169	30.1	10.9	16.3#





#57

Fluorene

Concen: 8.01 ng/mL

RT: 10.17 min Scan# 716

Delta R.T. -0.07 min

Lab File: BF083287.D

Acq: 25 Nov 2015 21:49

Instrument :

BNA_F

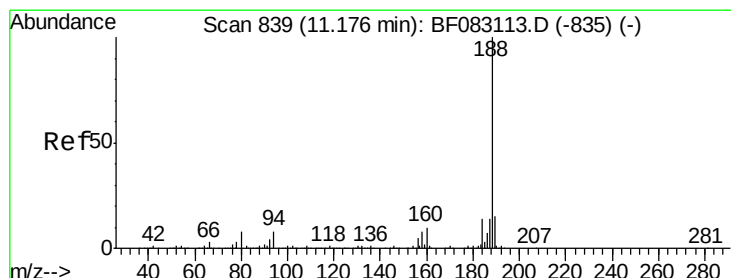
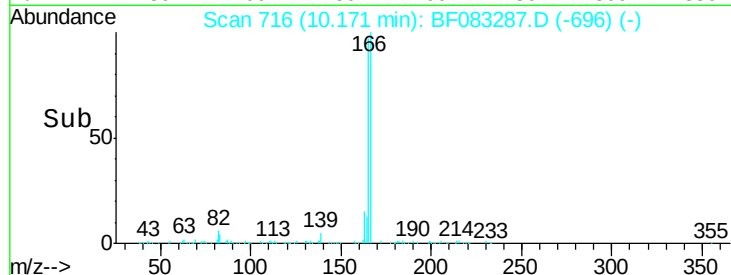
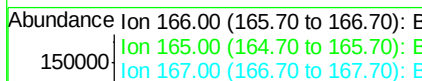
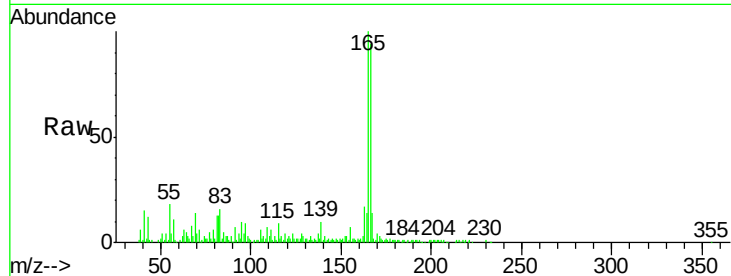
ClientSampleId :

STOCKPILE-COMPOSITE3

Tot Ion:	166	Resp:	151997
Ion Ratio	Lower	Upper	
166	100		
165	106.3	78.0	117.0
167	15.4	11.3	16.9

Manual Integrations
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#63

Phenanthrene-d10

Concen: 20.00 ng/mL

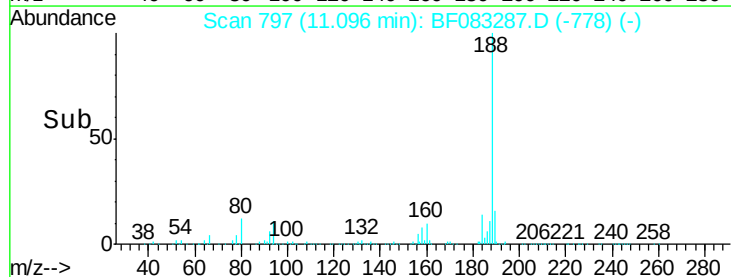
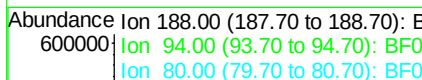
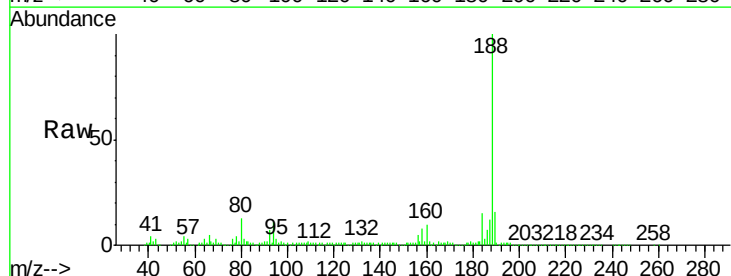
RT: 11.10 min Scan# 797

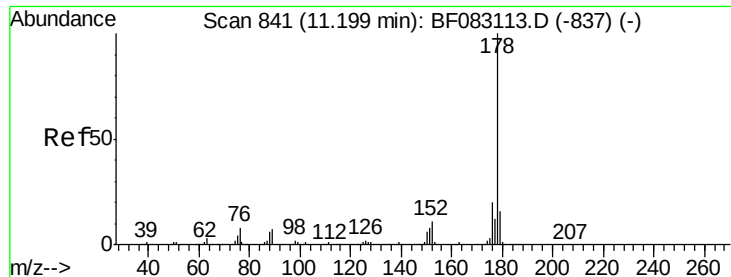
Delta R.T. -0.08 min

Lab File: BF083287.D

Acq: 25 Nov 2015 21:49

Tgt Ion:	188	Resp:	390980
Ion Ratio	Lower	Upper	
188	100		
94	11.3	6.0	9.0#
80	12.9	6.7	10.1#





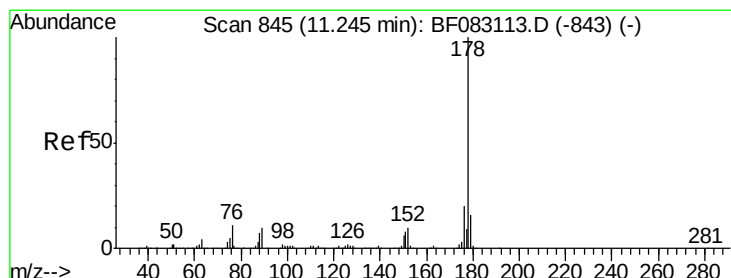
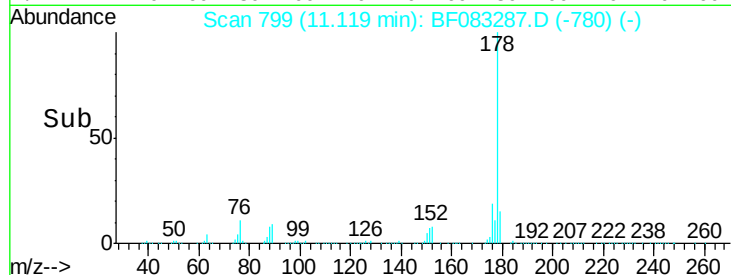
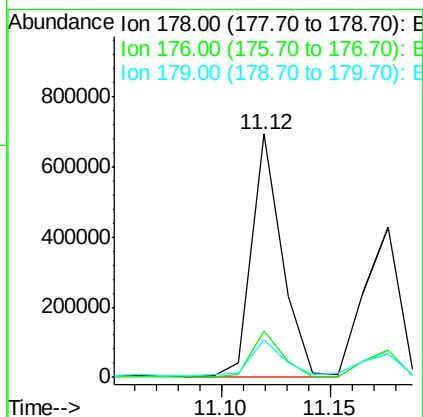
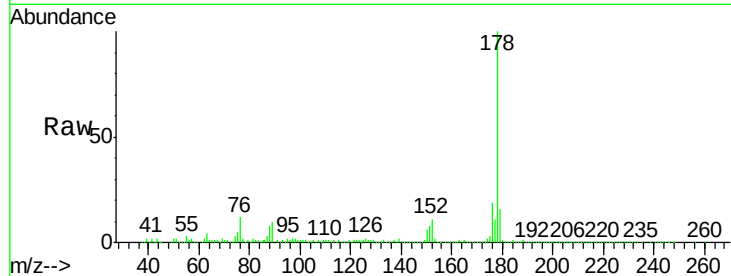
#70
Phenanthrene
Concen: 29.73 ng
RT: 11.12 min Scan# 799
Delta R.T. -0.08 min
Lab File: BF083287.D
Acq: 25 Nov 2015 21:49

Instrument :
BNA_F
ClientSampleId :
STOCKPILE-COMPOSITE3

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	16.2	24.2
179	15.7	12.8	19.2

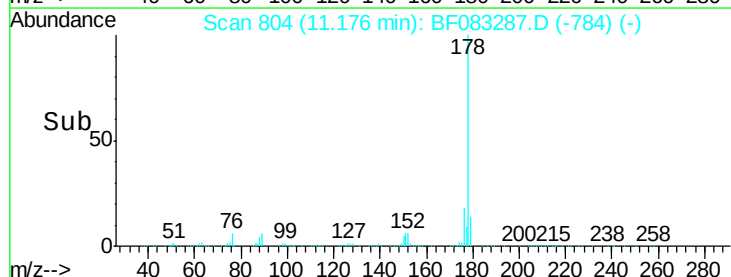
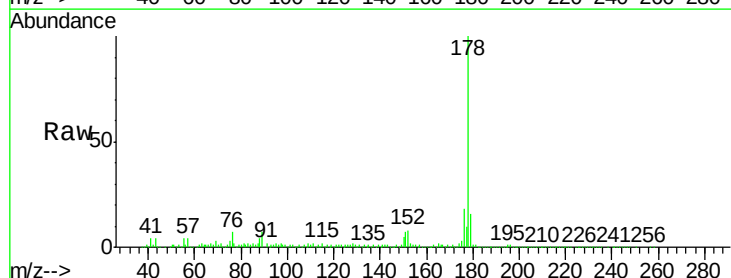
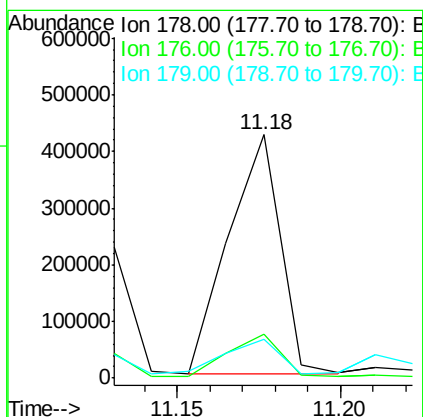
Manual Integrations
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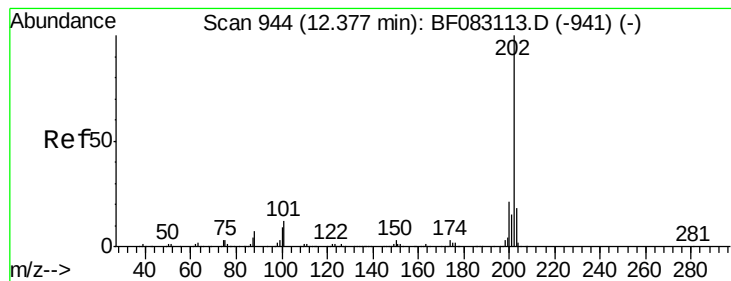
mmdadoda
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#71
Anthracene
Concen: 19.94 ng
RT: 11.18 min Scan# 804
Delta R.T. -0.07 min
Lab File: BF083287.D
Acq: 25 Nov 2015 21:49

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.6	23.4
179	15.7	13.2	19.8





#74

Fluoranthene

Concen: 54.43 ng

RT: 12.31 min Scan# 903

Delta R.T. -0.07 min

Lab File: BF083287.D

Acq: 25 Nov 2015 21:49

Instrument :

BNA_F

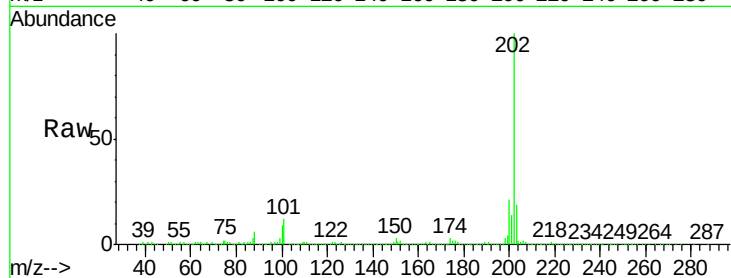
ClientSampleId :

STOCKPILE-COMPOSITE3

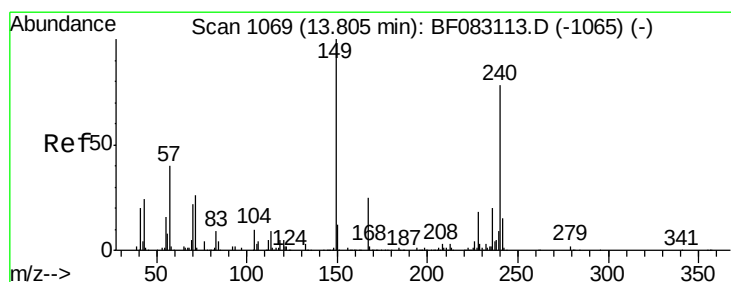
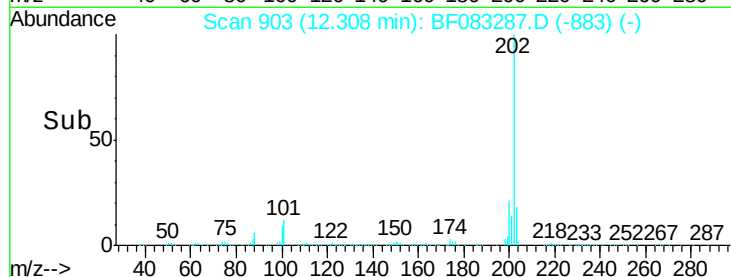
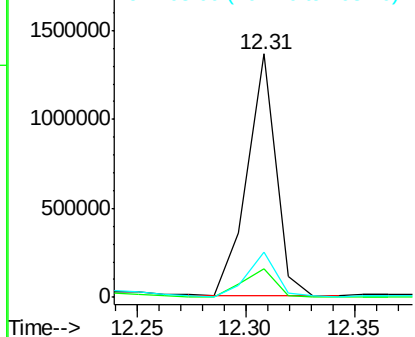
Tot Ion:	202	Resp:	1254762
Ion Ratio	Lower	Upper	
202	100		
101	11.9	0.0	32.3
203	18.6	0.0	38.4

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



#75

Chrysene-d12

Concen: 20.00 ng

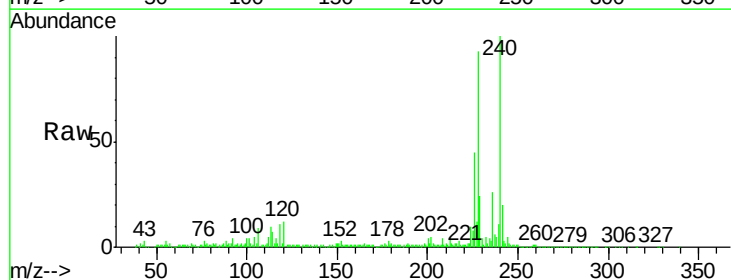
RT: 13.73 min Scan# 1027

Delta R.T. -0.08 min

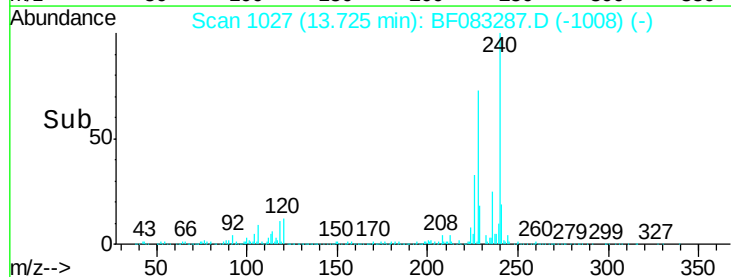
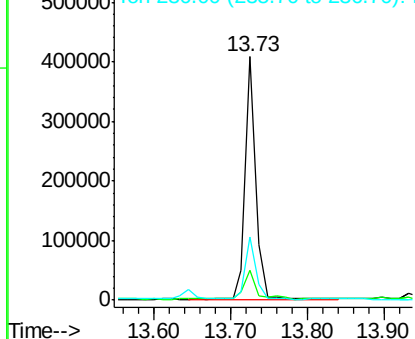
Lab File: BF083287.D

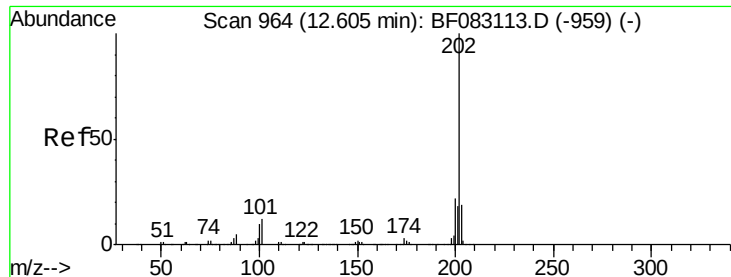
Acq: 25 Nov 2015 21:49

Tgt Ion:	240	Resp:	386455
Ion Ratio	Lower	Upper	
240	100		
120	12.2	5.4	8.2#
236	25.8	20.6	31.0



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





#77

Pvrene

Concen: 77.39 ng

RT: 12.54 min Scan# 923

Delta R.T. -0.07 min

Lab File: BF083287.D

Acq: 25 Nov 2015 21:49

Instrument :

BNA_F

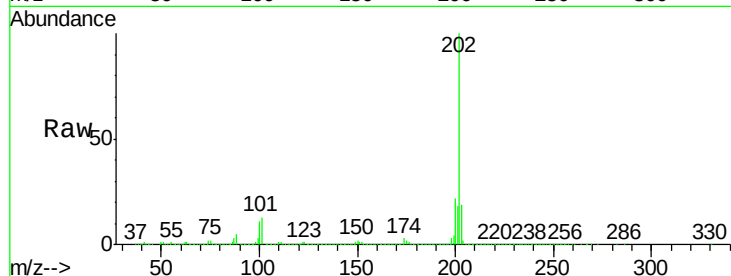
ClientSampleId :

STOCKPILE-COMPOSITE3

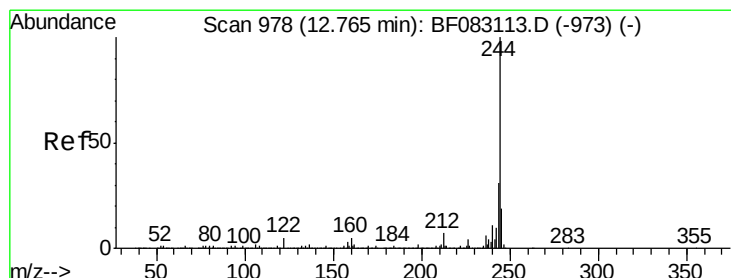
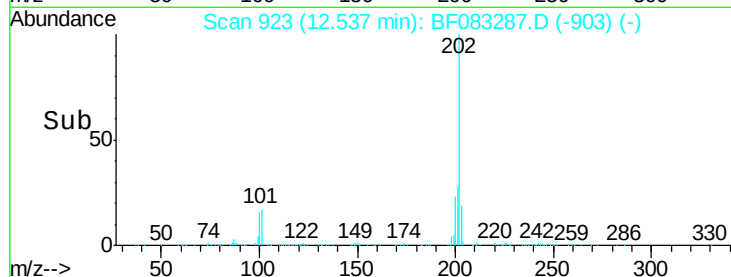
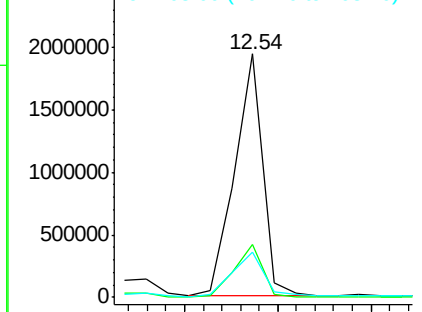
Tot Ion:	202	Resp:	2043271
Ion Ratio	Lower	Upper	
202	100		
200	21.7	17.8	26.6
203	18.7	15.0	22.4

Manual Integrations
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 15.70 ng

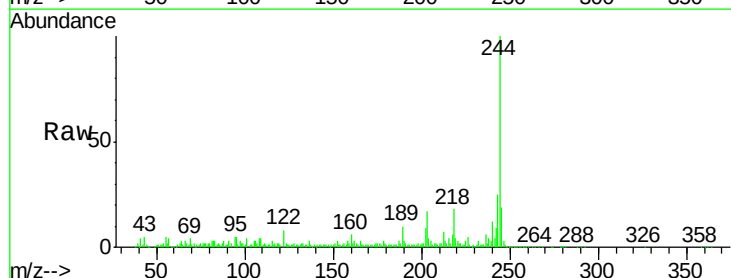
RT: 12.69 min Scan# 936

Delta R.T. -0.08 min

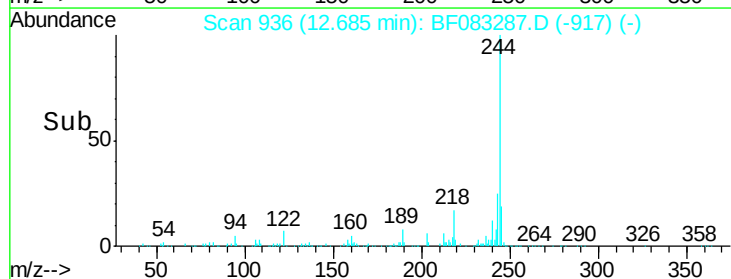
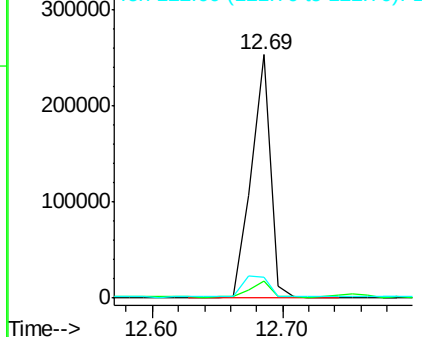
Lab File: BF083287.D

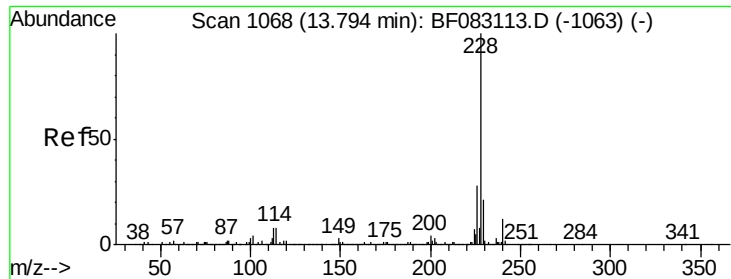
Acq: 25 Nov 2015 21:49

Tgt Ion:	244	Resp:	257670
Ion Ratio	Lower	Upper	
244	100		
212	7.1	5.4	8.2
122	8.5	4.3	6.5#



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





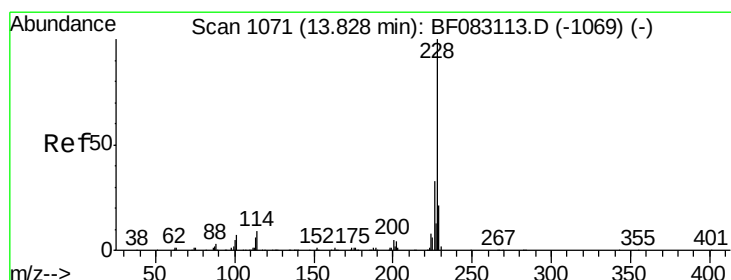
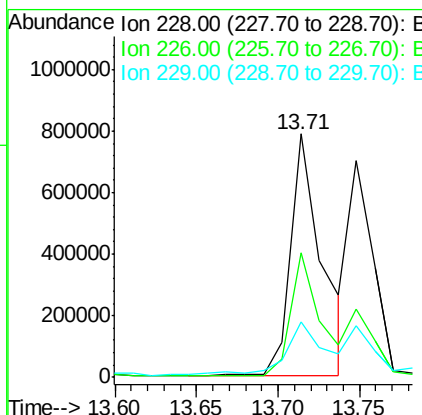
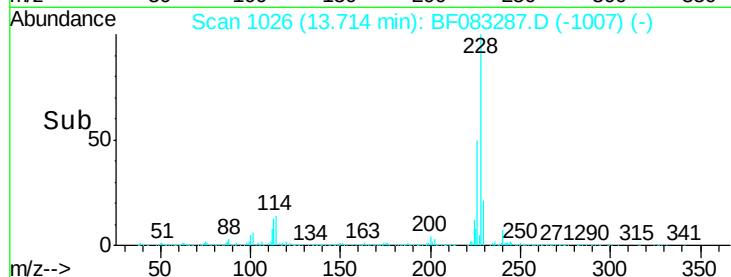
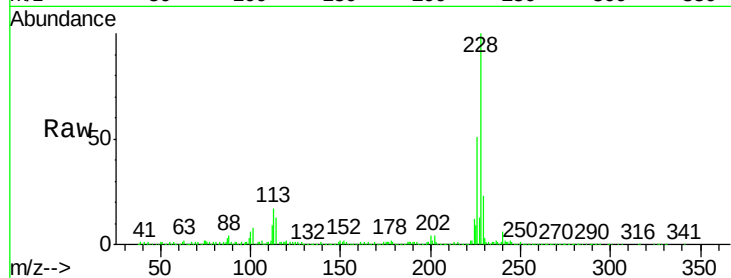
#80
Benzo(a)anthracene
Concen: 44.46 ng
RT: 13.71 min Scan# 1026
Delta R.T. -0.08 min
Lab File: BF083287.D
Acq: 25 Nov 2015 21:49

Instrument :
BNA_F
ClientSampleId :
STOCKPILE-COMPOSITE3

Tot Ion:228 Resp: 1062556
Ion Ratio Lower Upper
228 100
226 51.1 22.6 33.8#
229 22.7 16.6 24.8

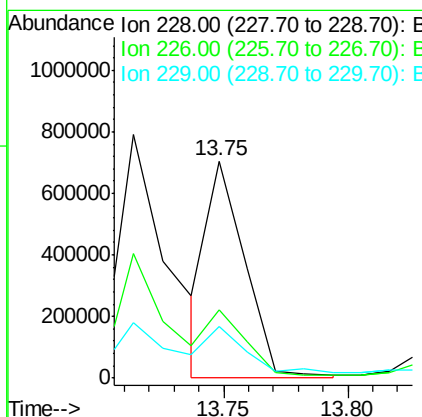
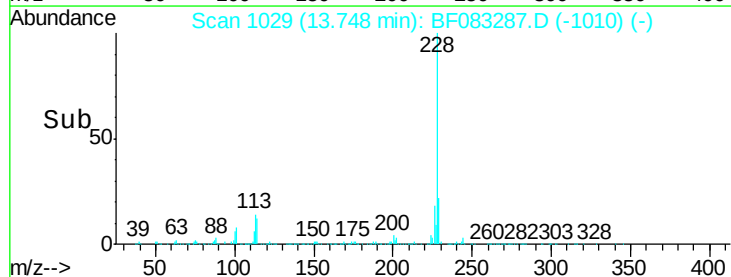
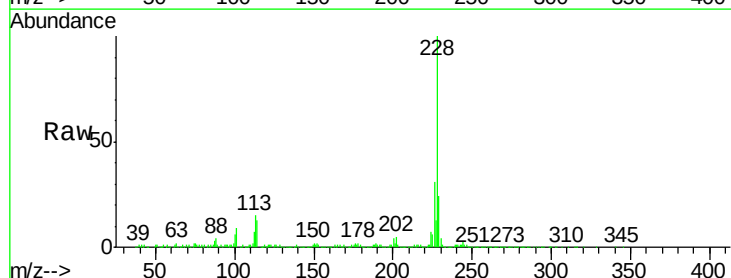
Manual Integrations
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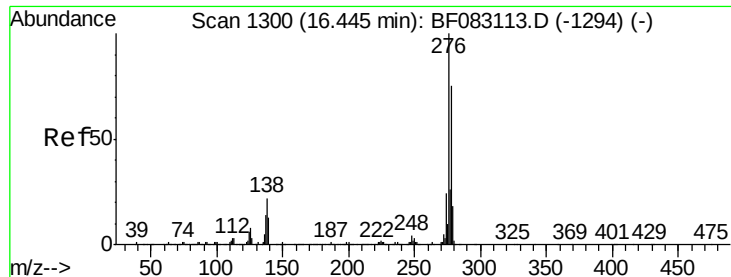
mmdadoda
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#82
Chrysene
Concen: 34.13 ng m
RT: 13.75 min Scan# 1029
Delta R.T. -0.08 min
Lab File: BF083287.D
Acq: 25 Nov 2015 21:49

Tgt Ion:228 Resp: 756510
Ion Ratio Lower Upper
228 100
226 31.3 25.5 38.3
229 23.6 16.6 25.0





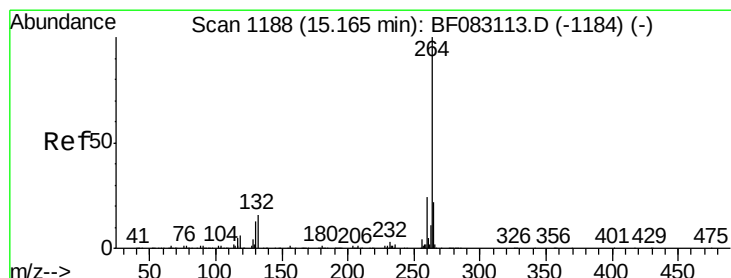
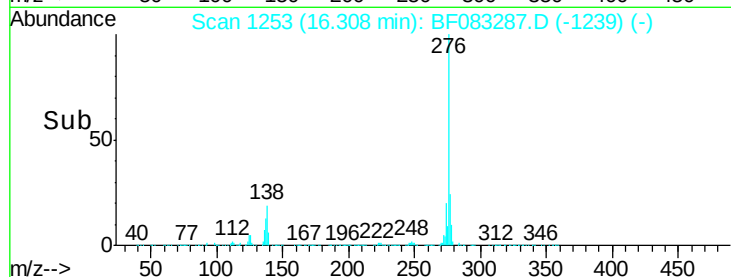
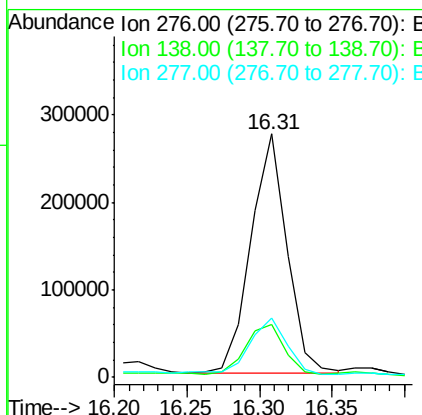
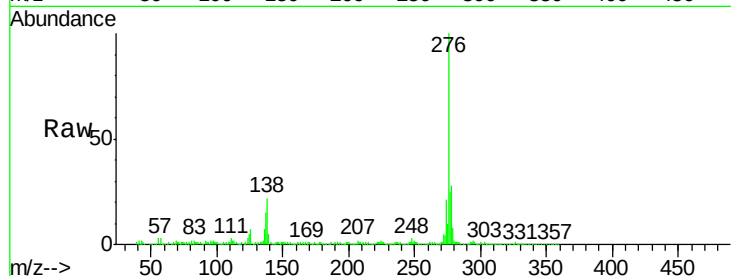
#85
Indeno(1,2,3-cd)pyrene
Concen: 23.53 ng
RT: 16.31 min Scan# 1253
Delta R.T. -0.14 min
Lab File: BF083287.D
Acq: 25 Nov 2015 21:49

Instrument :
BNA_F
ClientSampleId :
STOCKPILE-COMPOSITE3

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.9	18.0	27.0
277	25.5	20.2	30.4

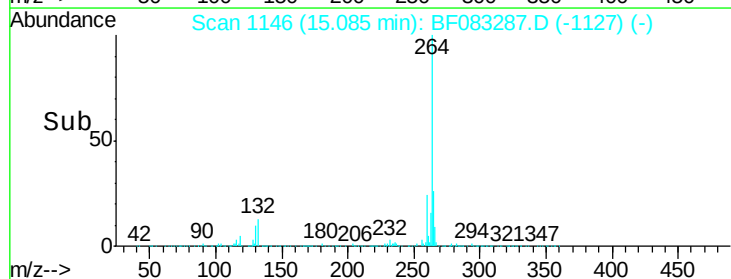
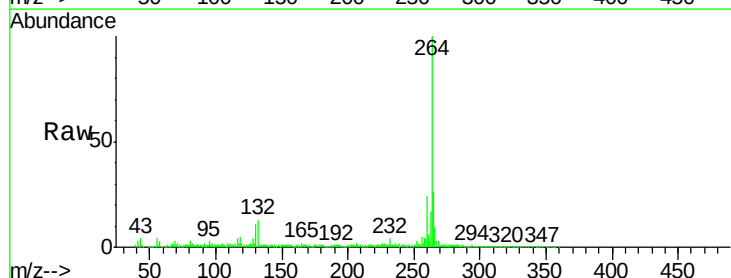
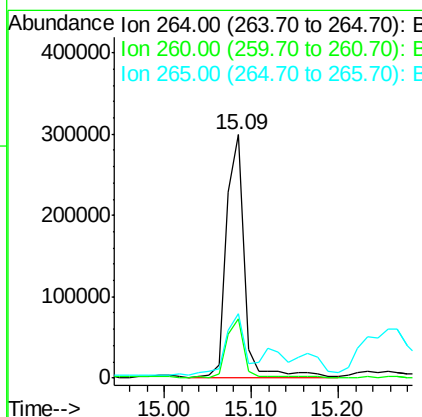
Manual Integrations
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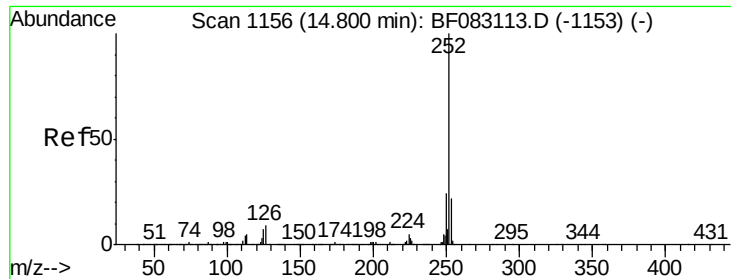
mmdadoda
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.09 min Scan# 1146
Delta R.T. -0.08 min
Lab File: BF083287.D
Acq: 25 Nov 2015 21:49

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.1	28.7
265	26.3	18.2	27.4





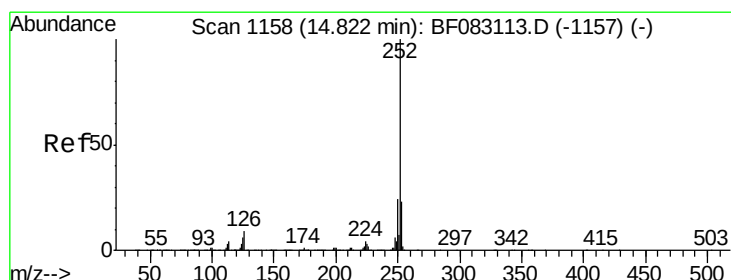
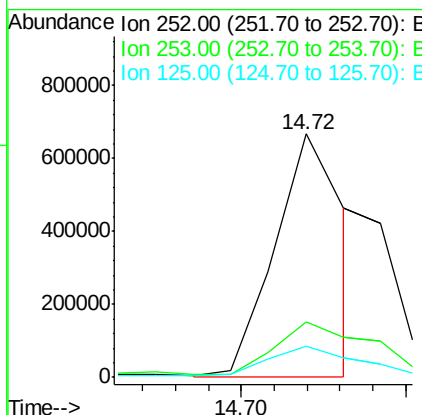
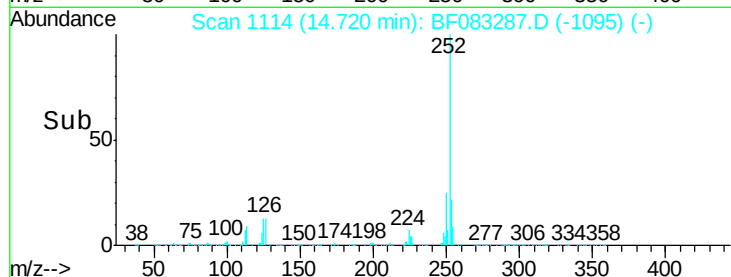
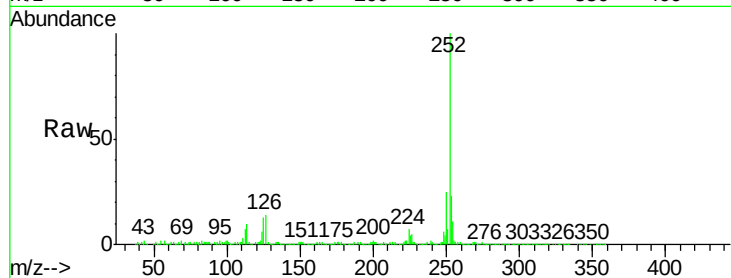
#87
Benzo(b)fluoranthene
Concen: 34.12 ng m
RT: 14.72 min Scan# 1114
Delta R.T. -0.08 min
Lab File: BF083287.D
Acq: 25 Nov 2015 21:49

Instrument :
BNA_F
ClientSampleId :
STOCKPILE-COMPOSITE3

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.7	26.5
125	12.9	5.6	8.4

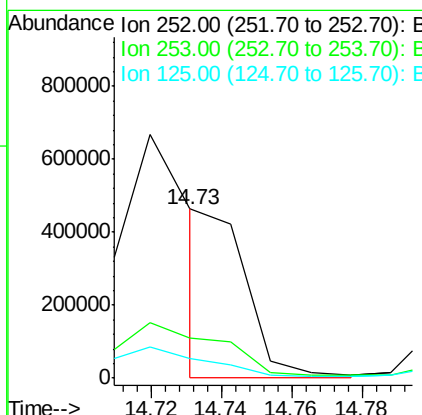
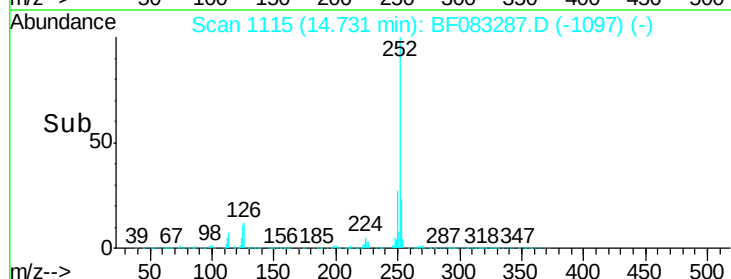
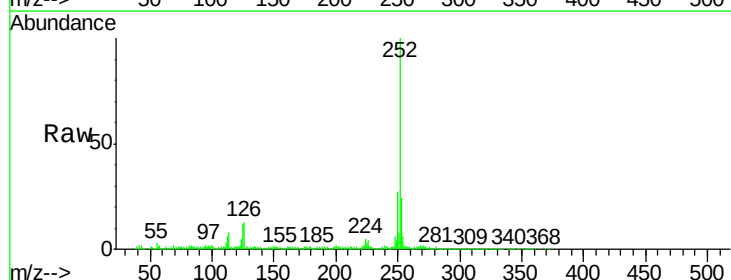
Manual Integrations
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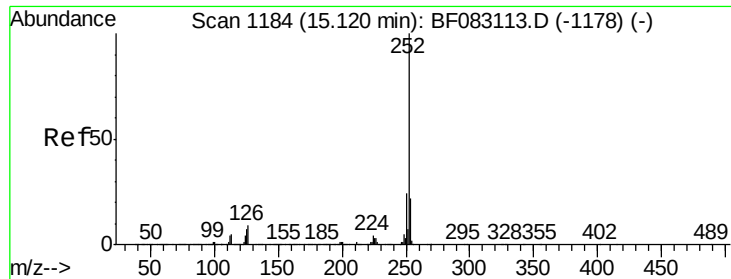
mmdadoda
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#88
Benzo(k)fluoranthene
Concen: 15.60 ng m
RT: 14.73 min Scan# 1115
Delta R.T. -0.09 min
Lab File: BF083287.D
Acq: 25 Nov 2015 21:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.2	27.2
125	11.9	6.8	10.2





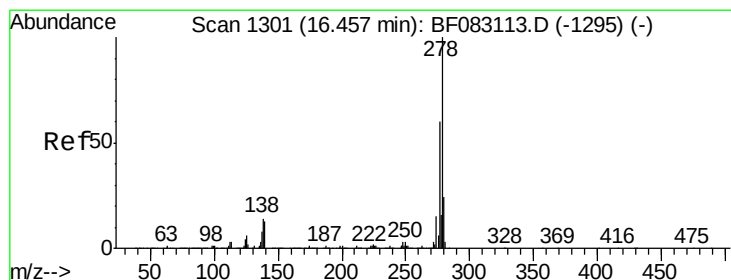
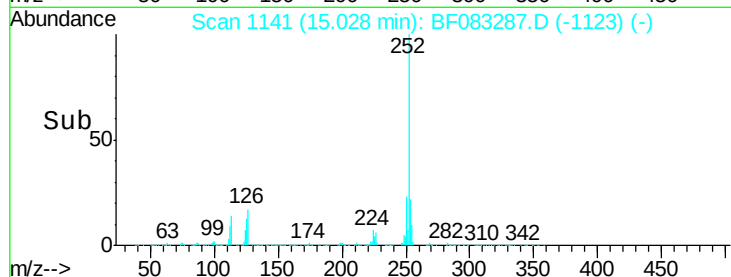
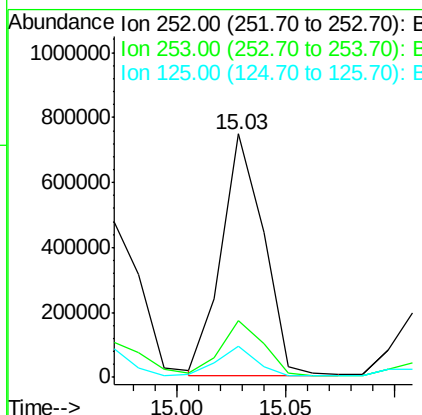
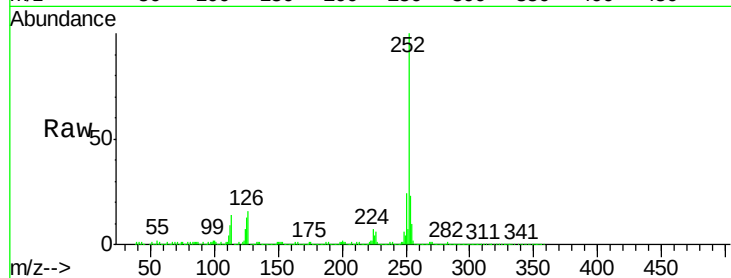
#89
Benzo(a)pyrene
Concen: 41.94 ng
RT: 15.03 min Scan# 1141
Delta R.T. -0.09 min
Lab File: BF083287.D
Acq: 25 Nov 2015 21:49

Instrument :
BNA_F
ClientSampleId :
STOCKPILE-COMPOSITE3

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.5	26.3
125	12.8	5.4	8.0

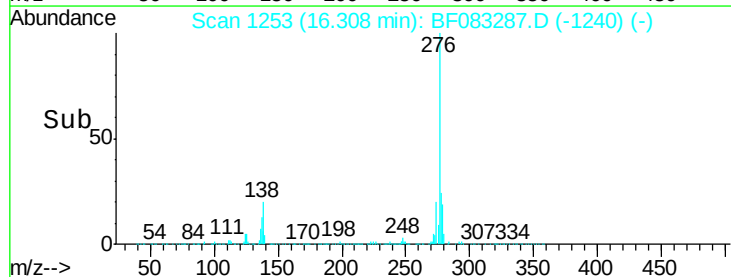
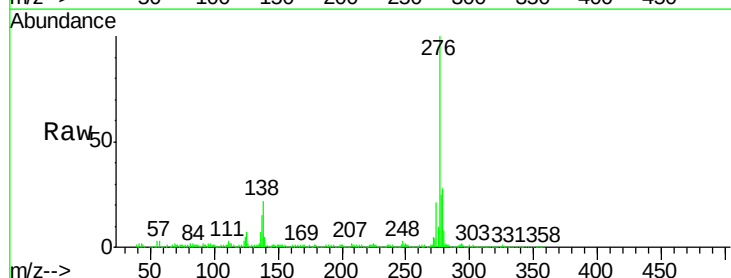
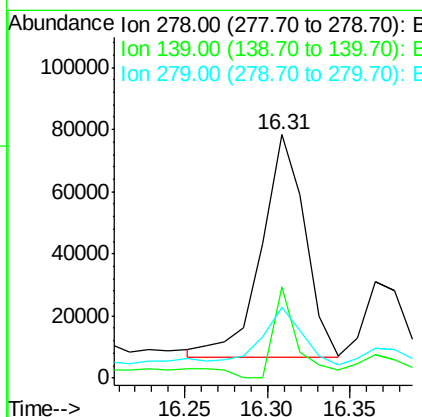
Manual Integrations
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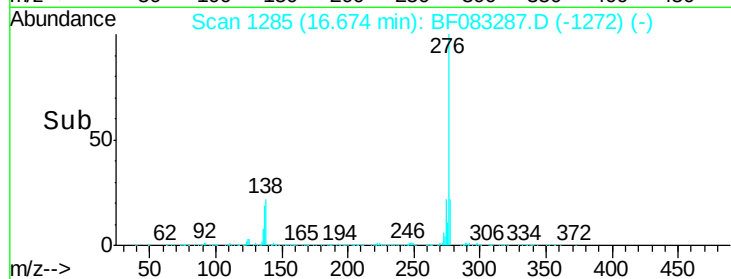
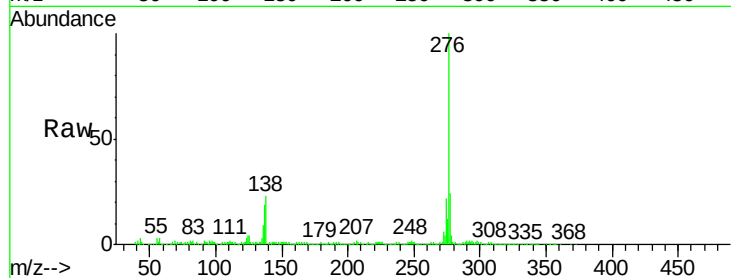
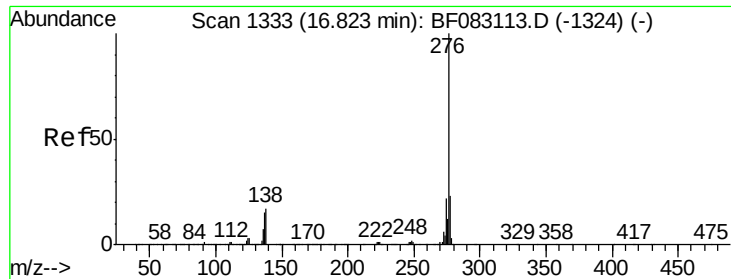
mmdadoda
11/26/2015 6:43:42 PM



#90
Dibenzo(a,h)anthracene
Concen: 6.10 ng m
RT: 16.31 min Scan# 1253
Delta R.T. -0.15 min
Lab File: BF083287.D
Acq: 25 Nov 2015 21:49

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.7	10.7	16.1
279	29.2	19.3	28.9





#91

Benzo(a,h,i)perylene

Concen: 22.14 ng m

RT: 16.67 min Scan# 1285

Delta R.T. -0.15 min

Lab File: BF083287.D

Acq: 25 Nov 2015 21:49

Instrument :

BNA_F

ClientSampleId :

STOCKPILE-COMPOSITE3

Tot Ion:	276	Resp:	468751
Ion Ratio	Lower	Upper	
276	100		
277	23.6	18.7	28.1
138	23.2	13.9	20.9

Manual Integrations
APPROVED

mmdadoda
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