

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122015\
 Data File : BF083988.D
 Acq On : 20 Dec 2015 9:08
 Operator : UM/SJ
 Sample : G4912-05
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 STOCKPILE-3(0-2)

Manual Integrations
 APPROVED

apatel
 12/22/2015 12:18:20 PM

Quant Time: Dec 21 04:50:52 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 18 14:23:22 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	82757	20.00	ng	-0.02
21) Naphthalene-d8	8.13	136	339149	20.00	ng	-0.02
38) Acenaphthene-d10	9.88	164	144689	20.00	ng	-0.03
63) Phenanthrene-d10	11.37	188	260662	20.00	ng	-0.02
75) Chrysene-d12	14.00	240	171411	20.00	ng	-0.03
86) Perylene-d12	15.44	264	160097	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	716178	135.43	ng	-0.01
7) Phenol-d6	6.50	99	889192	137.37	ng	-0.01
23) Nitrobenzene-d5	7.41	82	506051	85.16	ng	-0.02
41) 2,4,6-Tribromophenol	10.68	330	228851	143.57	ng	-0.02
44) 2-Fluorobiphenyl	9.21	172	959499	94.84	ng	-0.03
78) Terphenyl-d14	12.96	244	819547	113.92	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	9.61	163	270713	22.30	ng	# 91
74) Fluoranthene	12.58	202	56869	3.62	ng	95
80) Benzo(a)anthracene	13.99	228	27129	2.57	ng	93
82) Chrysene	14.03	228	24427m	2.40	ng	
85) Indeno(1,2,3-cd)pyrene	16.85	276	15905	2.09	ng	# 91
87) Benzo(b)fluoranthene	15.03	252	35559m	3.05	ng	
89) Benzo(a)pyrene	15.38	252	19314	2.00	ng	# 89

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

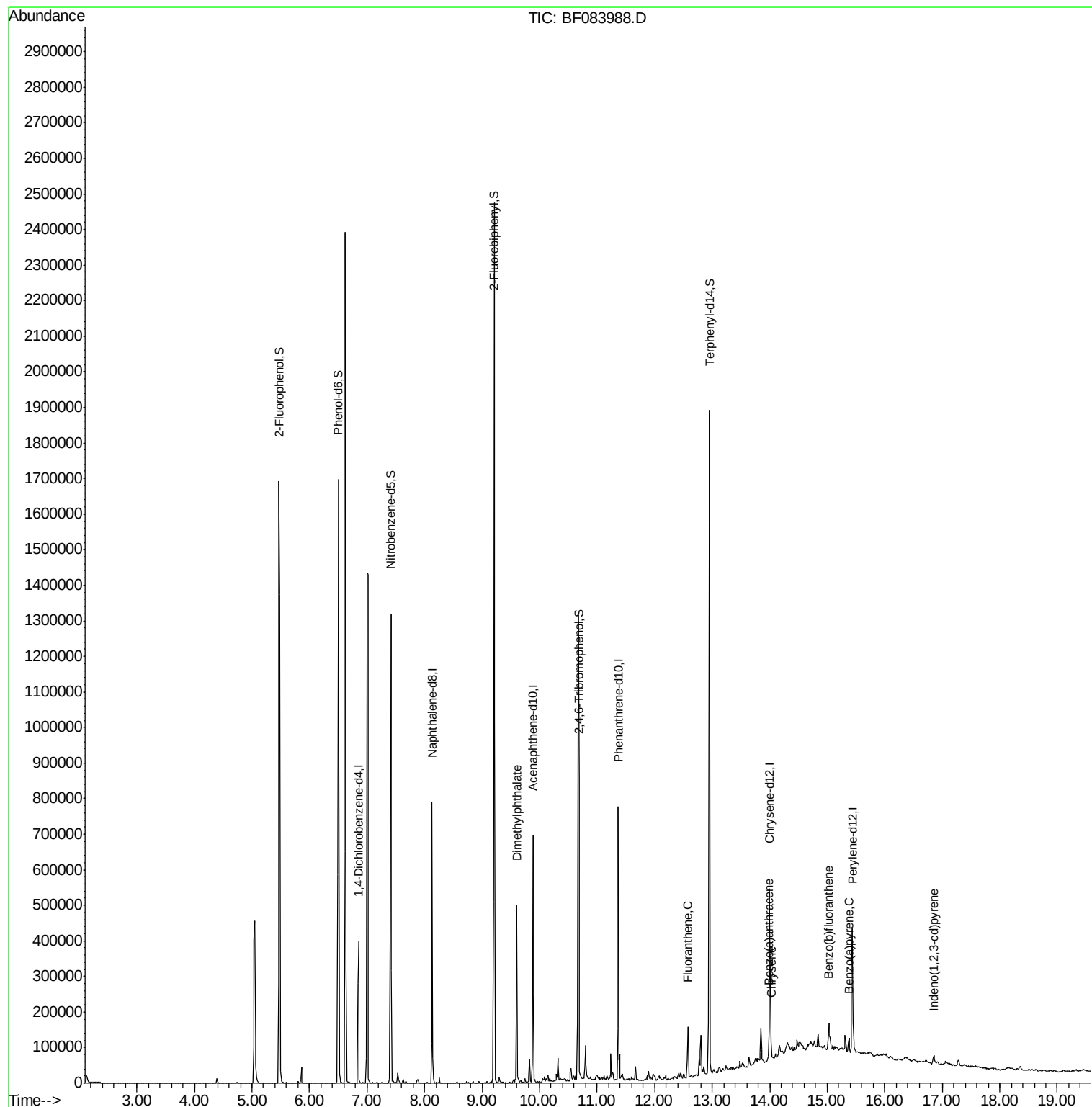
Data Path : Z:\HPCHEM1\BNA F\DATA\BF122015\
Data File : BF083988.D
Acq On : 20 Dec 2015 9:08
Operator : UM/SJ
Sample : G4912-05
Misc :
ALS Vial : 39 Sample Multiplier: 1

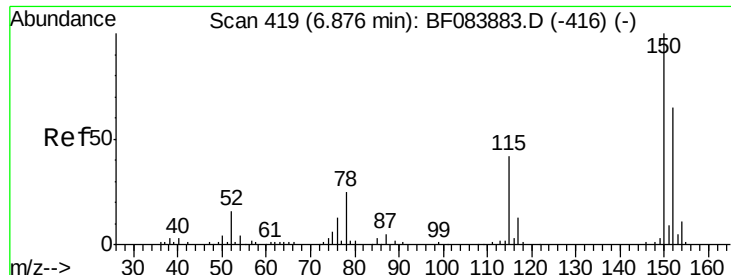
Instrument :
BNA_F
ClientSampleId :
STOCKPILE-3(0-2)

Manual Integrations
APPROVED

apatel
12/22/2015 12:18:20 PM

Quant Time: Dec 21 04:50:52 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 18 14:23:22 2015
Response via : Initial Calibration





#1

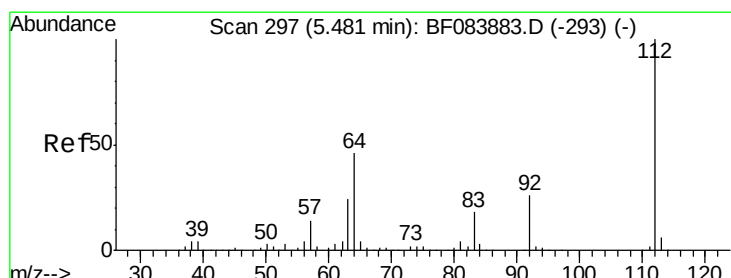
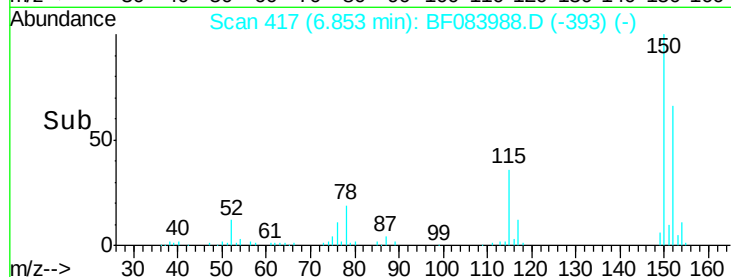
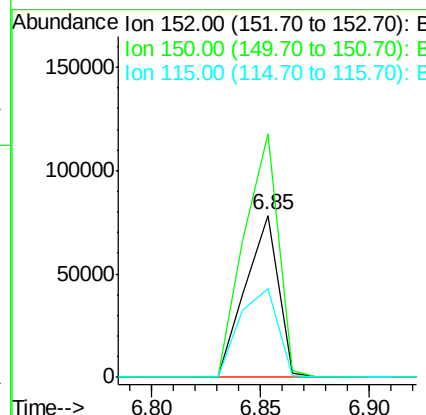
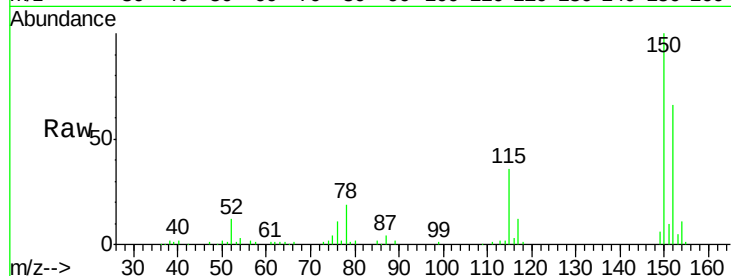
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.85 min Scan# 417
Delta R.T. -0.02 min
Lab File: BF083988.D
Acq: 20 Dec 2015 9:08

Instrument :
BNA_F
ClientSampleId :
STOCKPILE-3(0-2)

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.6	123.0	184.4
115	54.7	51.4	77.2

Manual Integrations
APPROVED

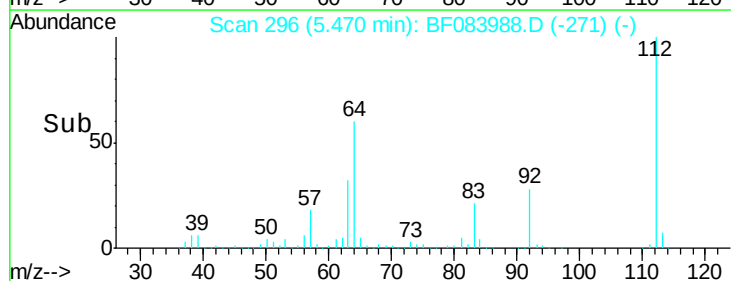
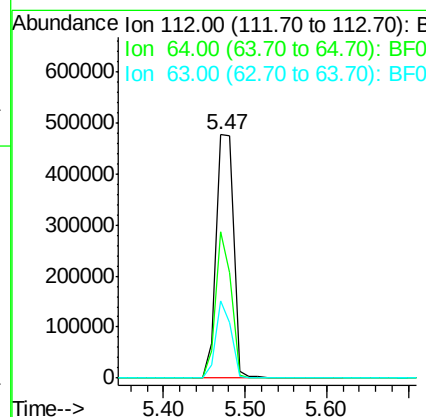
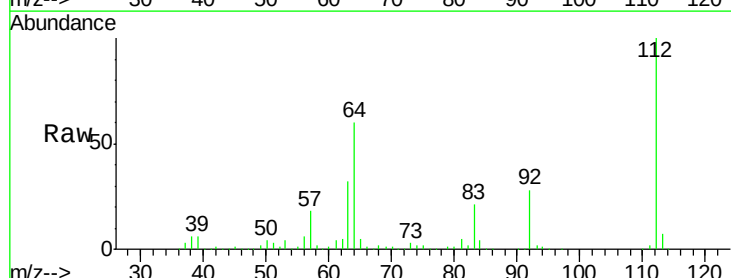
apatel
12/22/2015 12:18:20 PM

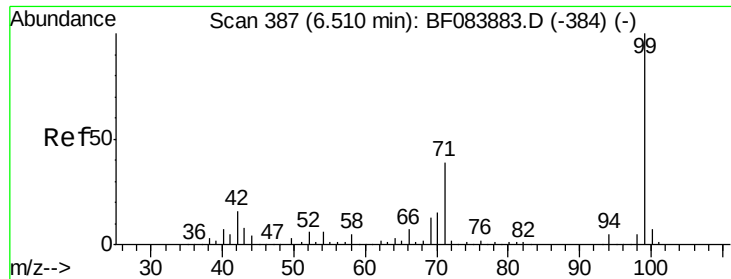


#5

2-Fluorophenol
Concen: 135.43 ng
RT: 5.47 min Scan# 296
Delta R.T. -0.01 min
Lab File: BF083988.D
Acq: 20 Dec 2015 9:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.0	36.6	55.0#
63	31.9	19.4	29.0#





#7

Phenol-d6

Concen: 137.37 ng

RT: 6.50 min Scan# 386

Delta R.T. -0.01 min

Lab File: BF083988.D

Acq: 20 Dec 2015 9:08

Instrument :

BNA_F

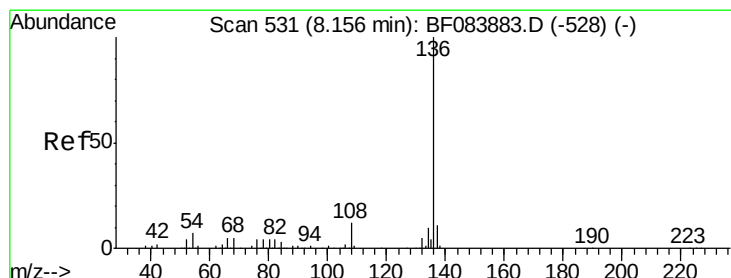
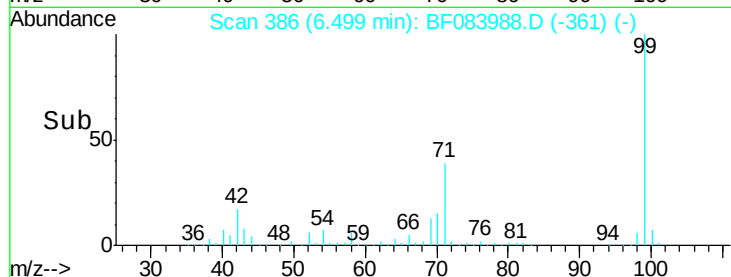
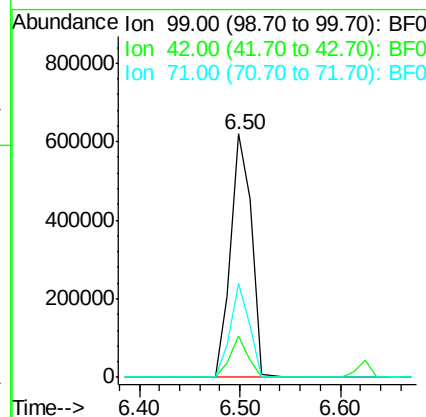
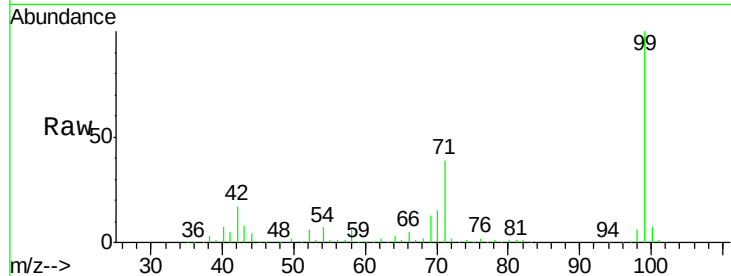
ClientSampleId :

STOCKPILE-3(0-2)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		889192		
42	16.8	12.8	19.2		
71	38.5	30.9	46.3		

Manual Integrations
APPROVED

apatel
12/22/2015 12:18:20 PM



#21

Naphthalene-d8

Concen: 20.00 ng

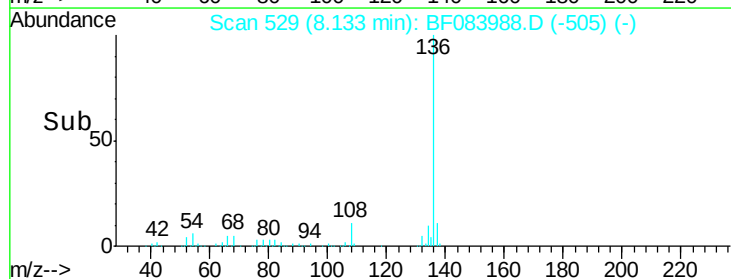
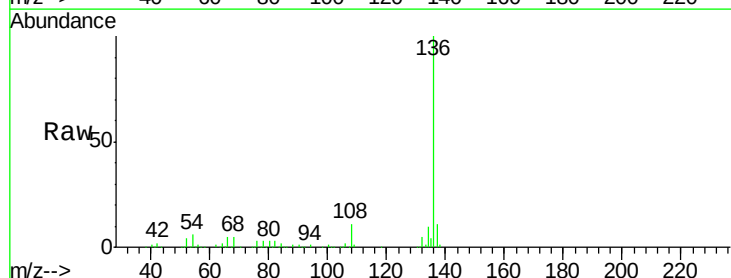
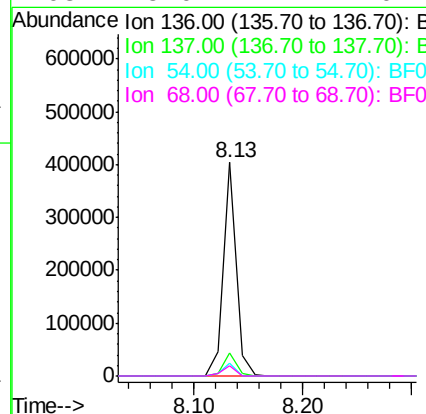
RT: 8.13 min Scan# 529

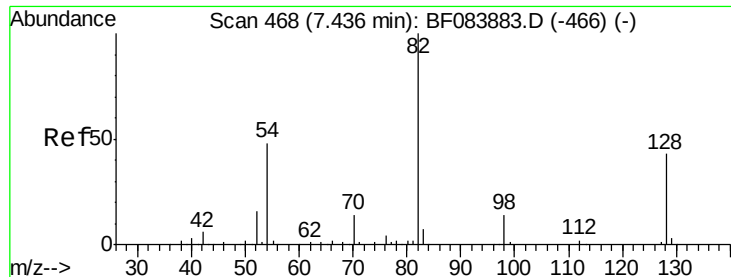
Delta R.T. -0.02 min

Lab File: BF083988.D

Acq: 20 Dec 2015 9:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		339149		
137	10.8	8.7	13.1		
54	6.1	5.8	8.8		
68	5.0	4.2	6.2		





#23

Nitrobenzene-d5

Concen: 85.16 ng

RT: 7.41 min Scan# 466

Delta R.T. -0.02 min

Lab File: BF083988.D

Acq: 20 Dec 2015 9:08

Instrument :

BNA_F

ClientSampleId :

STOCKPILE-3(0-2)

Tot Ion: 82 Resp: 506051
Ion Ratio Lower Upper

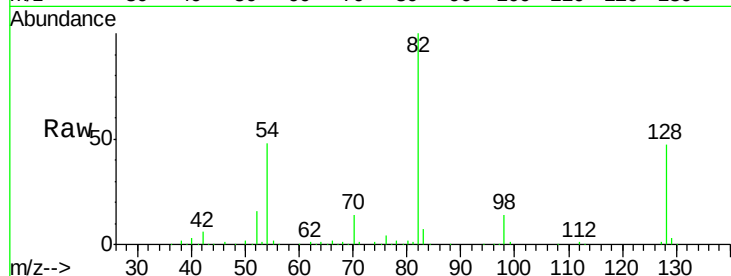
82 100

128 46.7 34.6 51.8

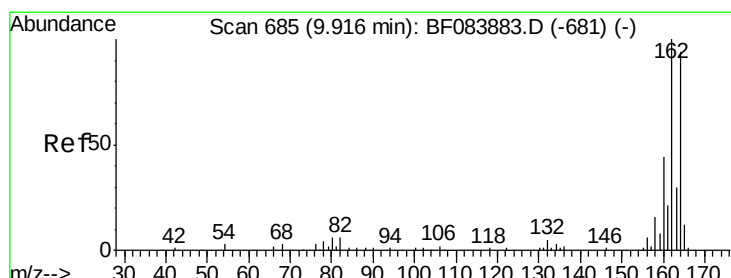
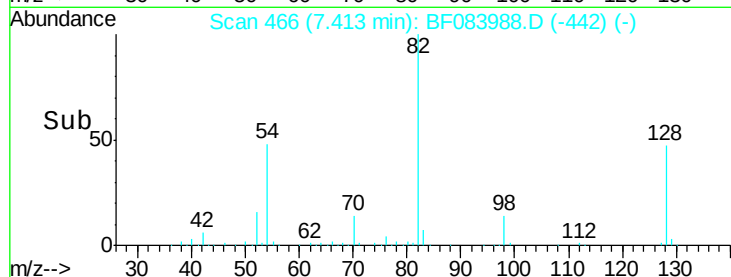
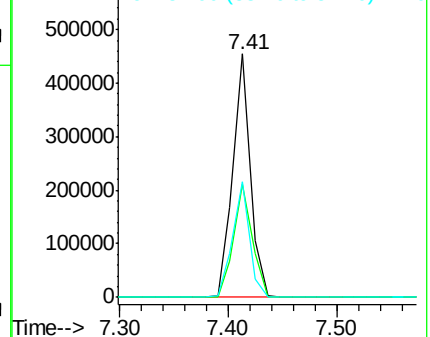
54 47.7 38.4 57.6

Manual Integrations
APPROVED

apatel
12/22/2015 12:18:20 PM



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.03 min

Lab File: BF083988.D

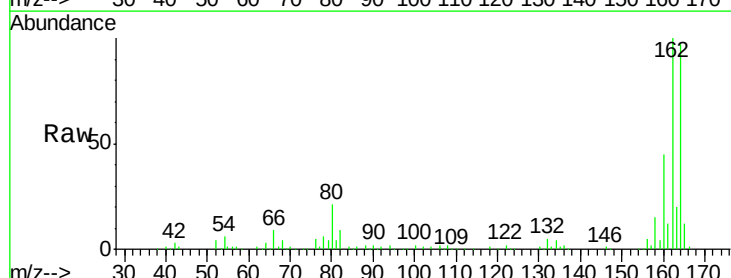
Acq: 20 Dec 2015 9:08

Tgt Ion: 164 Resp: 144689
Ion Ratio Lower Upper

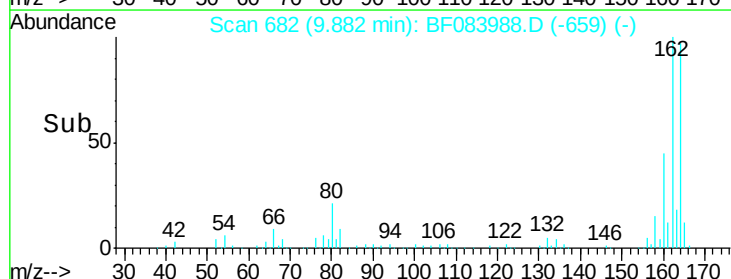
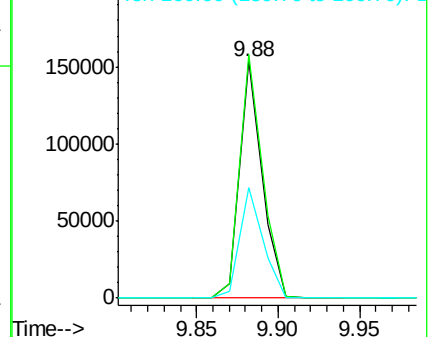
164 100

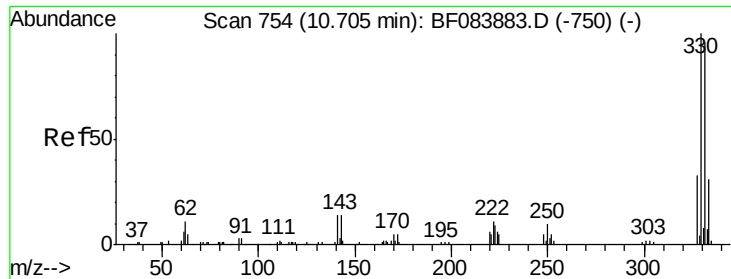
162 102.8 85.1 127.7

160 46.6 37.5 56.3



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





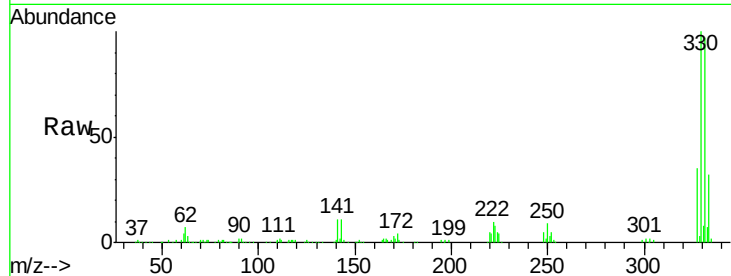
#41
 2,4,6-Tribromophenol
 Concen: 143.57 ng
 RT: 10.68 min Scan# 752
 Delta R.T. -0.02 min
 Lab File: BF083988.D
 Acq: 20 Dec 2015 9:08

Instrument :
 BNA_F
 ClientSampleId :
 STOCKPILE-3(0-2)

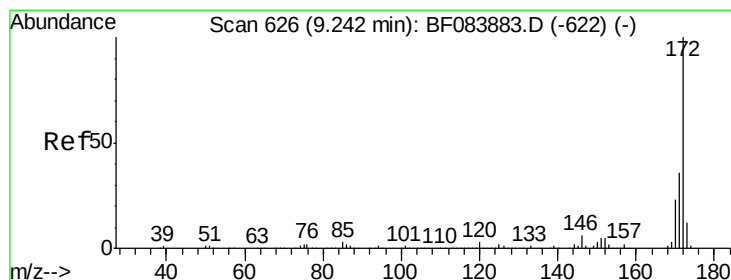
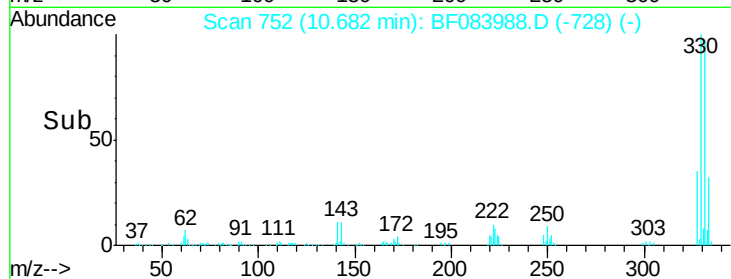
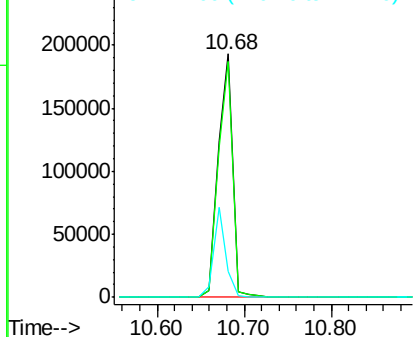
Tot Ion	Ratio	Resp	Lower	Upper
330	100	228851		
332	96.7	76.6	114.8	
141	31.5	27.8	41.6	

Manual Integrations
 APPROVED

apatel
 12/22/2015 12:18:20 PM



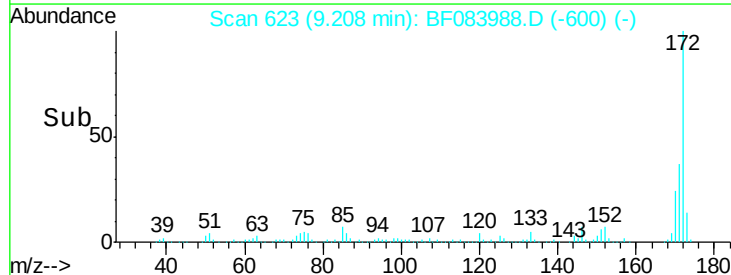
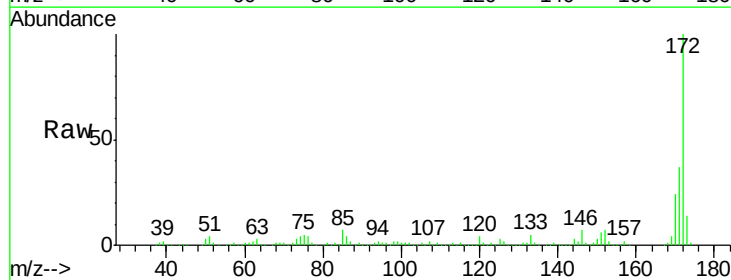
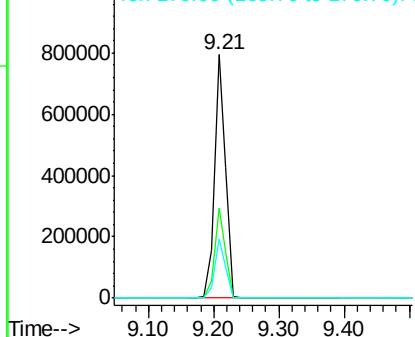
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

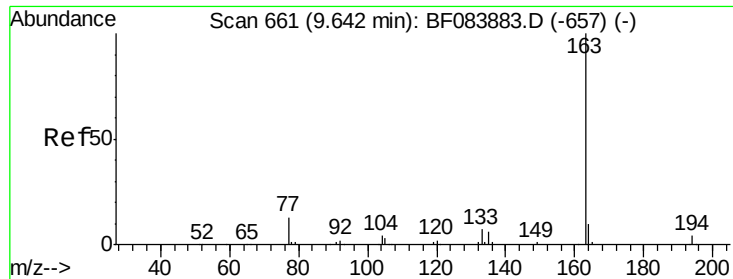


#44
 2-Fluorobiphenyl
 Concen: 94.84 ng
 RT: 9.21 min Scan# 623
 Delta R.T. -0.03 min
 Lab File: BF083988.D
 Acq: 20 Dec 2015 9:08

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	959499		
171	37.1	28.9	43.3	
170	24.2	18.6	27.8	

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





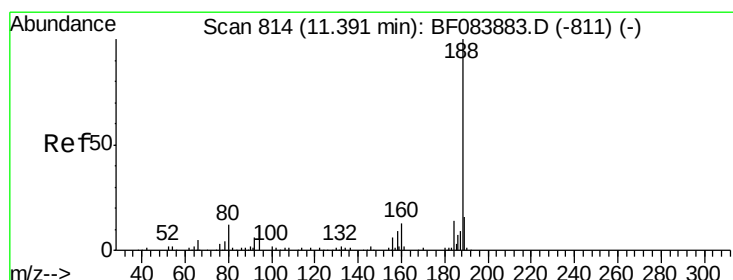
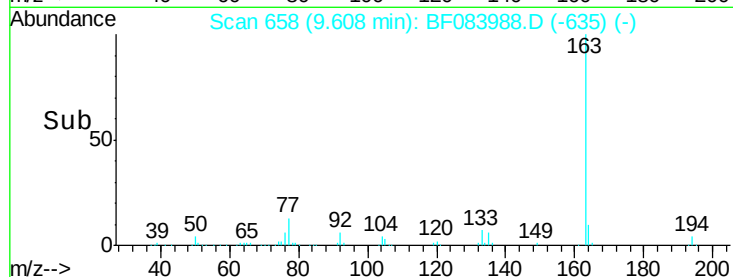
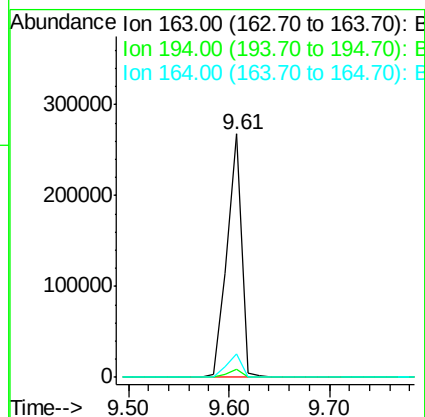
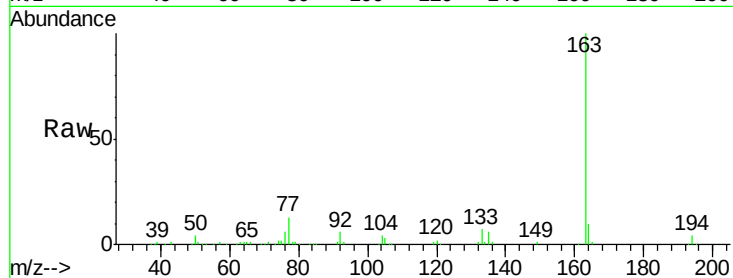
#49
Dimethylphthalate
Concen: 22.30 ng
RT: 9.61 min Scan# 658
Delta R.T. -0.03 min
Lab File: BF083988.D
Acq: 20 Dec 2015 9:08

Instrument :
BNA_F
ClientSampleId :
STOCKPILE-3(0-2)

Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	3.6	8.0	12.0#
164	9.6	8.0	12.0

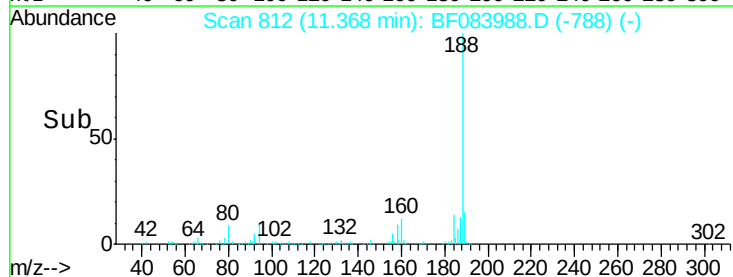
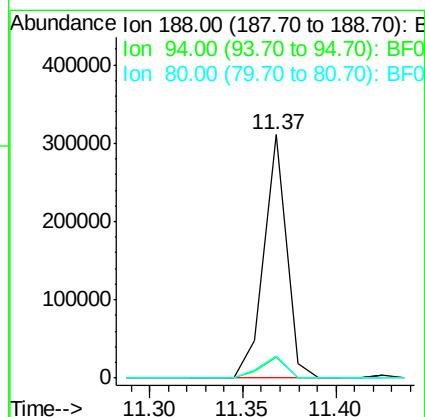
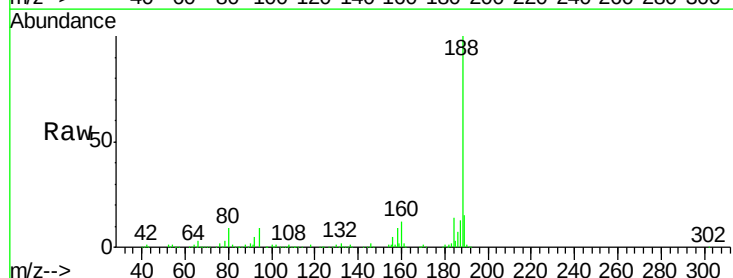
Manual Integrations
APPROVED

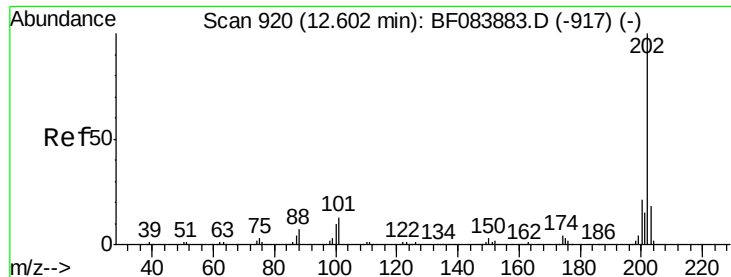
apatel
12/22/2015 12:18:20 PM



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 812
Delta R.T. -0.02 min
Lab File: BF083988.D
Acq: 20 Dec 2015 9:08

Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	8.7	9.0	13.4#
80	9.2	9.6	14.4#





#74

Fluoranthene

Concen: 3.62 ng

RT: 12.58 min Scan# 918

Delta R.T. -0.02 min

Lab File: BF083988.D

Acq: 20 Dec 2015 9:08

Instrument :

BNA_F

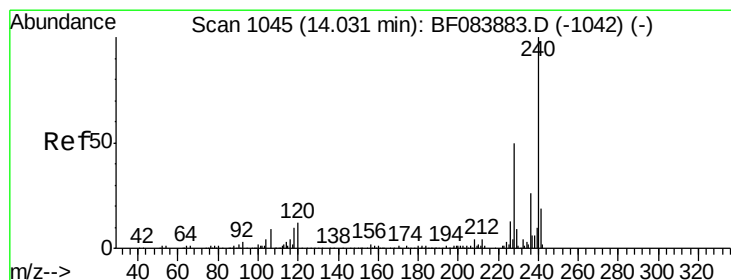
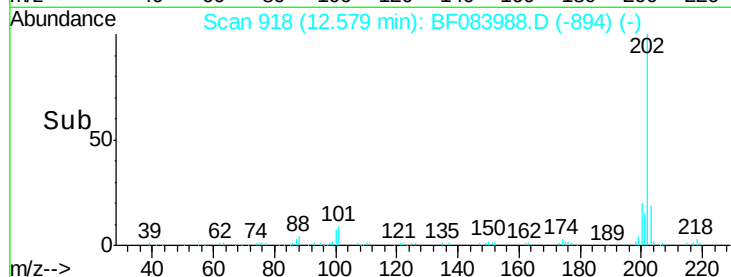
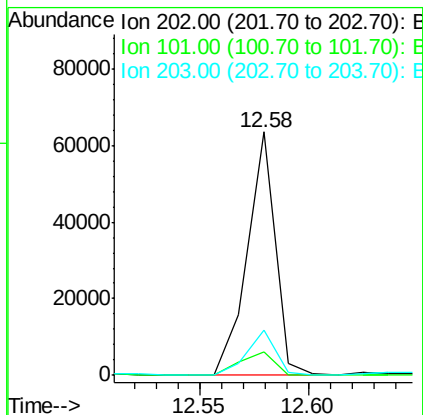
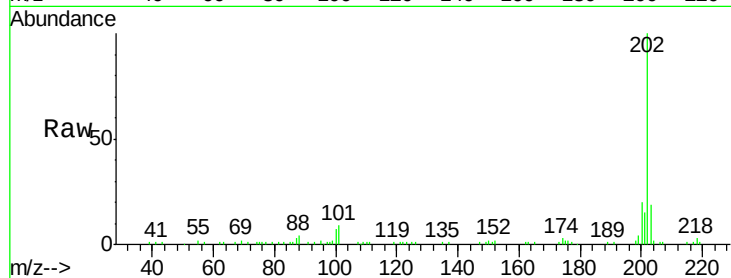
ClientSampleId :

STOCKPILE-3(0-2)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		56869		
101	9.4	0.0	32.8		
203	18.6	0.0	37.9		

Manual Integrations
APPROVED

apatel
12/22/2015 12:18:20 PM



#75

Chrysene-d12

Concen: 20.00 ng

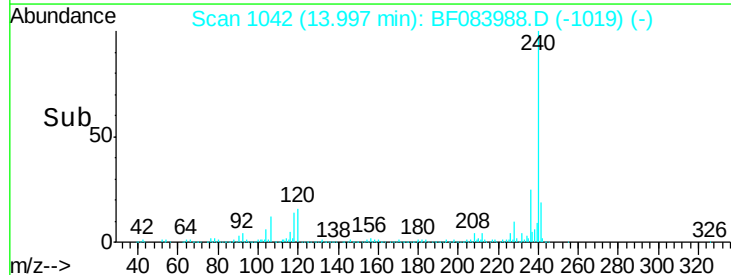
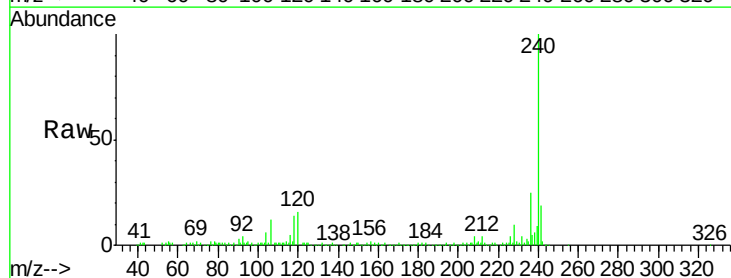
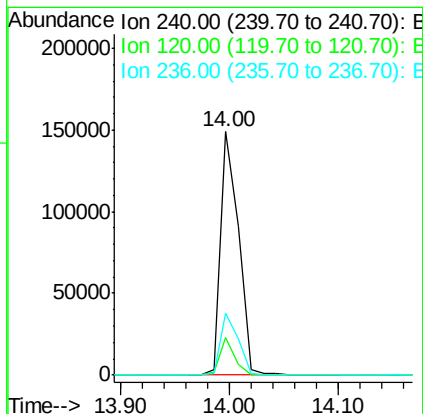
RT: 14.00 min Scan# 1042

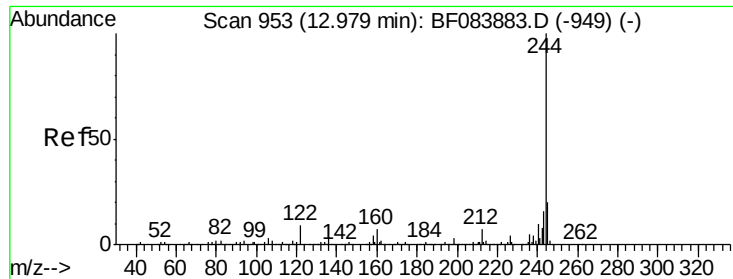
Delta R.T. -0.03 min

Lab File: BF083988.D

Acq: 20 Dec 2015 9:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		171411		
120	15.6	9.5	14.3#		
236	25.2	20.6	31.0		





#78

Terphenyl-d14

Concen: 113.92 ng

RT: 12.96 min Scan# 951

Delta R.T. -0.02 min

Lab File: BF083988.D

Acq: 20 Dec 2015 9:08

Instrument :

BNA_F

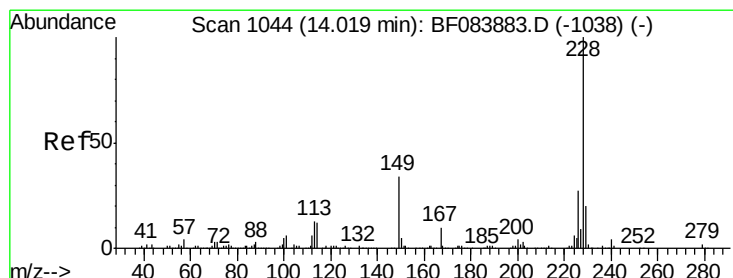
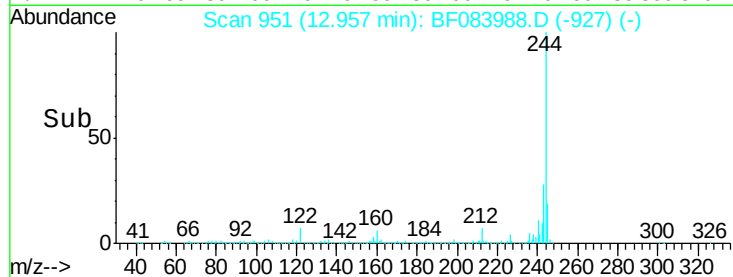
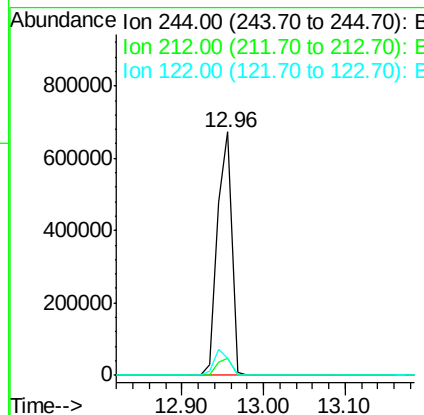
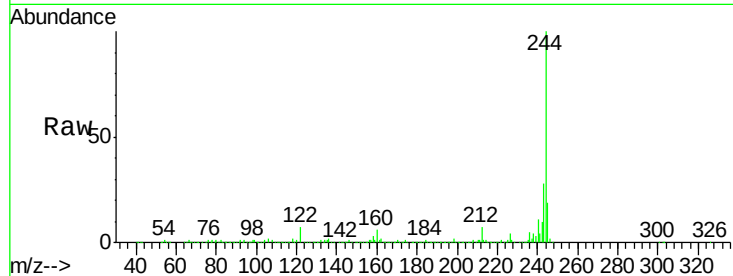
ClientSampleId :

STOCKPILE-3(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
244	100	819547		
212	6.9	5.7	8.5	
122	7.2	7.4	11.0	

Manual Integrations
APPROVED

apatel
12/22/2015 12:18:20 PM



#80

Benzo(a)anthracene

Concen: 2.57 ng

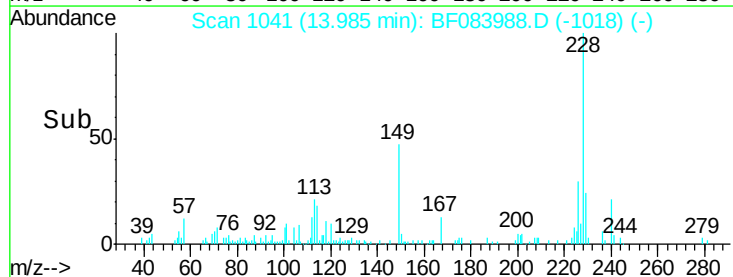
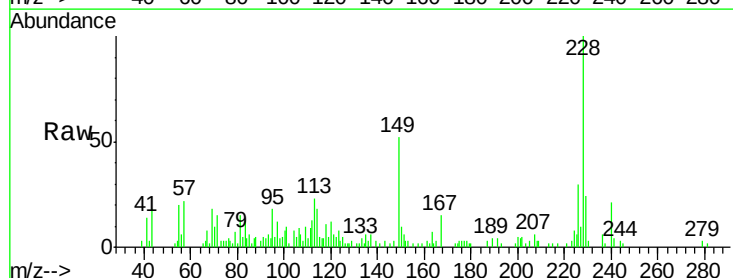
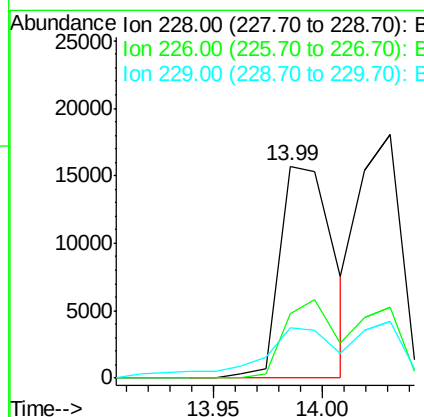
RT: 13.99 min Scan# 1041

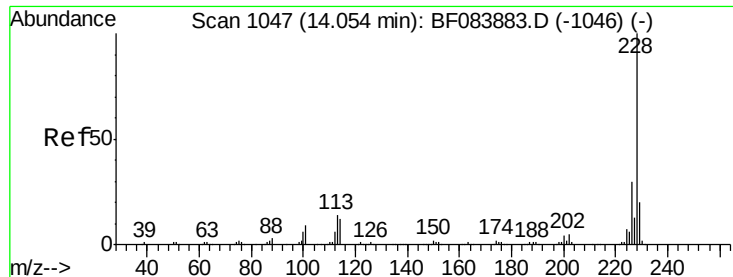
Delta R.T. -0.03 min

Lab File: BF083988.D

Acq: 20 Dec 2015 9:08

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	27129		
226	30.4	21.8	32.6	
229	23.7	15.8	23.8	





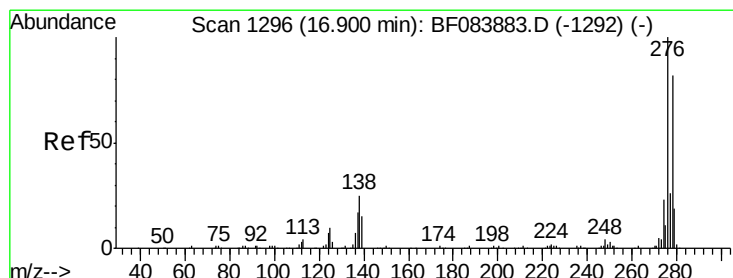
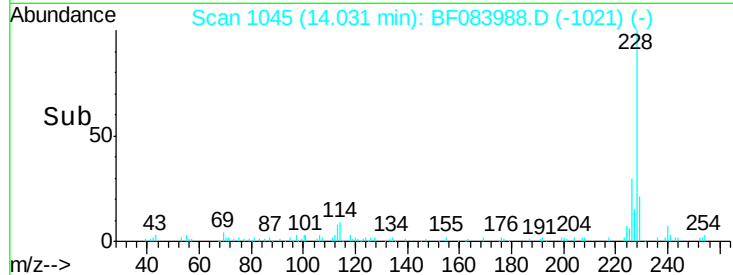
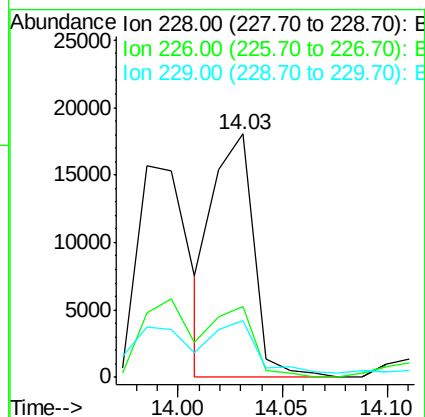
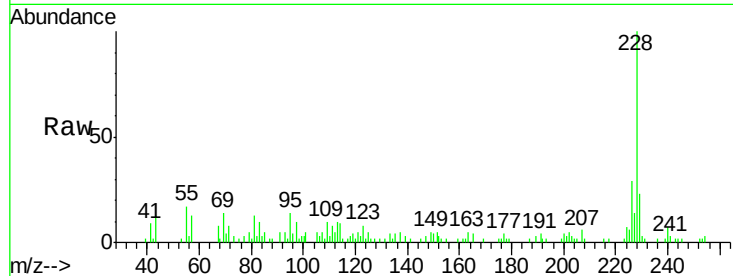
#82
Chrysene
Concen: 2.40 ng/ml
RT: 14.03 min Scan# 1045
Delta R.T. -0.02 min
Lab File: BF083988.D
Acq: 20 Dec 2015 9:08

Instrument :
BNA_F
ClientSampleId :
STOCKPILE-3(0-2)

Tot Ion:	228	Resp:	24427
Ion Ratio	Lower	Upper	
228	100		
226	29.1	24.3	36.5
229	23.2	16.1	24.1

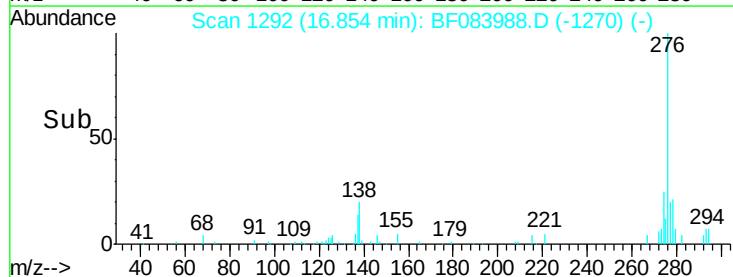
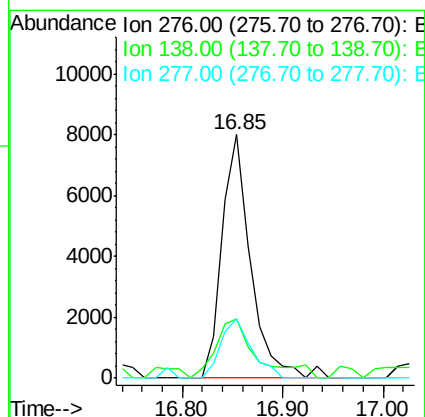
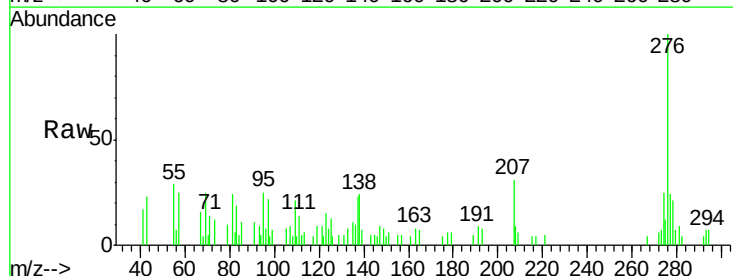
Manual Integrations
APPROVED

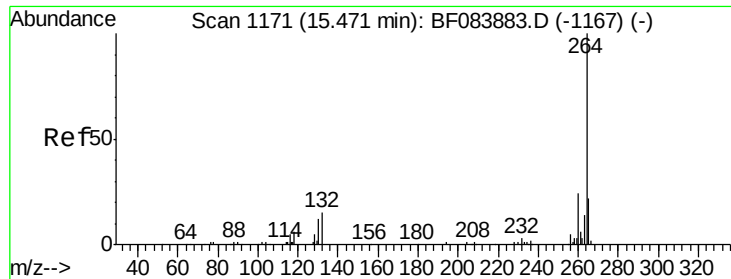
apatel
12/22/2015 12:18:20 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 2.09 ng/ml
RT: 16.85 min Scan# 1292
Delta R.T. -0.05 min
Lab File: BF083988.D
Acq: 20 Dec 2015 9:08

Tgt Ion:	276	Resp:	15905
Ion Ratio	Lower	Upper	
276	100		
138	33.9	20.6	30.8#
277	25.8	20.1	30.1





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.44 min Scan# 1168

Delta R.T. -0.03 min

Lab File: BF083988.D

Acq: 20 Dec 2015 9:08

Instrument :

BNA_F

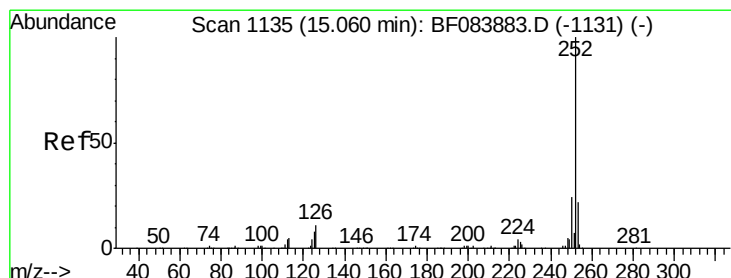
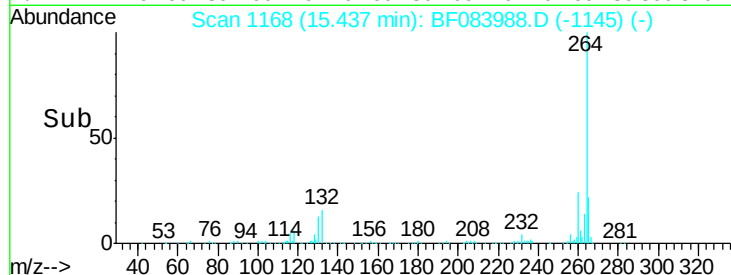
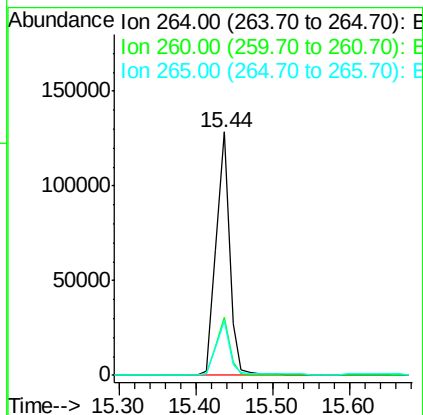
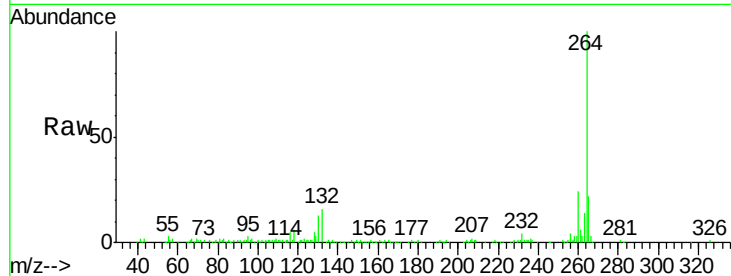
ClientSampleId :

STOCKPILE-3(0-2)

Tot Ion:	264	Resp:	160097
Ion Ratio	Lower	Upper	
264	100		
260	24.0	19.4	29.2
265	22.1	17.8	26.6

Manual Integrations
APPROVED

apatel
12/22/2015 12:18:20 PM



#87

Benzo(b)fluoranthene

Concen: 3.05 ng m

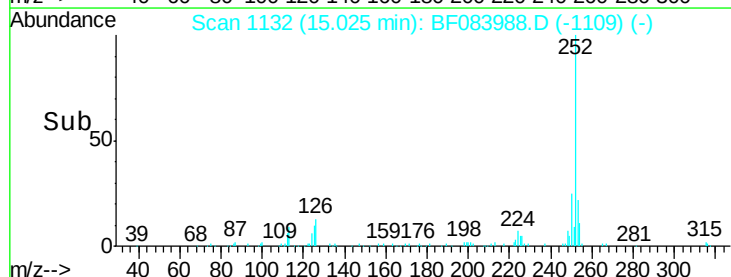
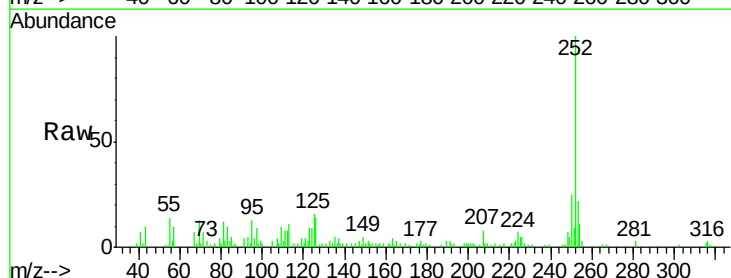
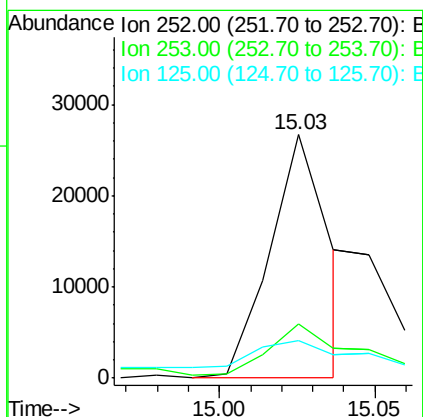
RT: 15.03 min Scan# 1132

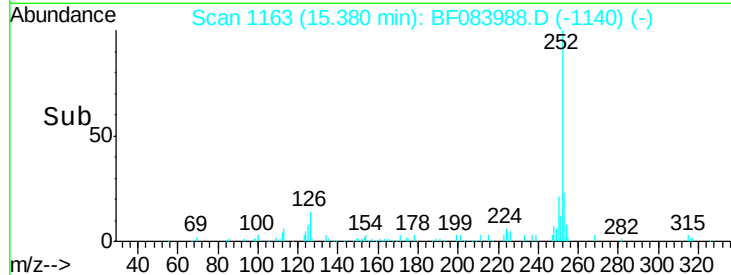
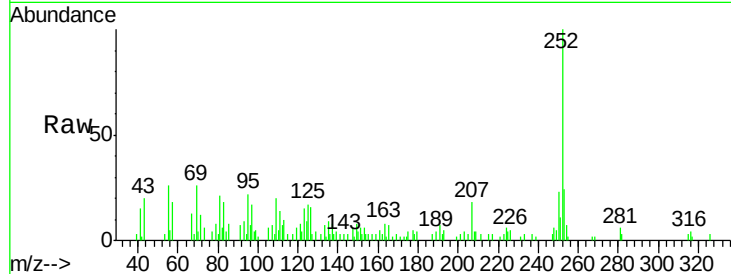
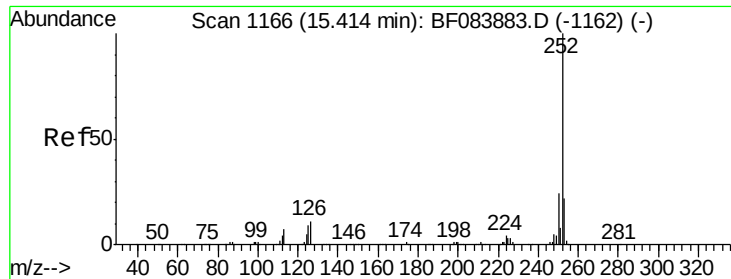
Delta R.T. -0.03 min

Lab File: BF083988.D

Acq: 20 Dec 2015 9:08

Tgt Ion:	252	Resp:	35559
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.3	25.9
125	15.5	6.5	9.7#





#89
Benzo(a)pyrene
Concen: 2.00 ng
RT: 15.38 min Scan# 1163
Delta R.T. -0.03 min
Lab File: BF083988.D
Acq: 20 Dec 2015 9:08

Instrument :
BNA_F
ClientSampleId :
STOCKPILE-3(0-2)

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.3	25.9
125	17.1	7.0	10.4

Manual Integrations
APPROVED

apatel
12/22/2015 12:18:20 PM

