

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122015\
 Data File : BF083986.D
 Acq On : 20 Dec 2015 8:13
 Operator : UM/SJ
 Sample : G4912-01
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 STOCKPILE-1(0-2)

Manual Integrations
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Quant Time: Dec 21 04:38:31 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	68255	20.00	ng	-0.02
21) Naphthalene-d8	8.13	136	292666	20.00	ng	-0.02
38) Acenaphthene-d10	9.88	164	131054	20.00	ng	-0.03
63) Phenanthrene-d10	11.37	188	223193	20.00	ng	-0.02
75) Chrysene-d12	14.01	240	162771	20.00	ng	-0.02
86) Perylene-d12	15.44	264	116481	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	646863	148.31	ng	-0.01
7) Phenol-d6	6.50	99	632452	118.47	ng	-0.01
23) Nitrobenzene-d5	7.41	82	453711	88.48	ng	-0.02
41) 2,4,6-Tribromophenol	10.68	330	216092	149.67	ng	-0.02
44) 2-Fluorobiphenyl	9.21	172	709112	74.51	ng	-0.03
78) Terphenyl-d14	12.96	244	785915	115.11	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	9.61	163	214894	19.54	ng	# 91
51) Acenaphthene	9.92	154	28894	3.08	ng	99
54) Dibenzofuran	10.09	168	26346	2.16	ng	95
70) Phenanthrene	11.39	178	321079	23.81	ng	98
71) Anthracene	11.45	178	105851	8.12	ng	98
72) Carbazole	11.60	167	39732	3.08	ng	99
74) Fluoranthene	12.58	202	483972	35.97	ng	99
77) Pyrene	12.81	202	465563	44.89	ng	100
80) Benzo(a)anthracene	14.00	228	223128	22.30	ng	98
82) Chrysene	14.03	228	209358m	21.66	ng	
85) Indeno(1,2,3-cd)pyrene	16.85	276	85096	11.77	ng	94
87) Benzo(b)fluoranthene	15.03	252	214720m	25.28	ng	
88) Benzo(k)fluoranthene	15.04	252	112751m	16.09	ng	
89) Benzo(a)pyrene	15.38	252	121600	17.34	ng	# 95
90) Dibenzo(a,h)anthracene	16.85	278	21093m	3.87	ng	
91) Benzo(g,h,i)perylene	17.28	276	82148	15.36	ng	98

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

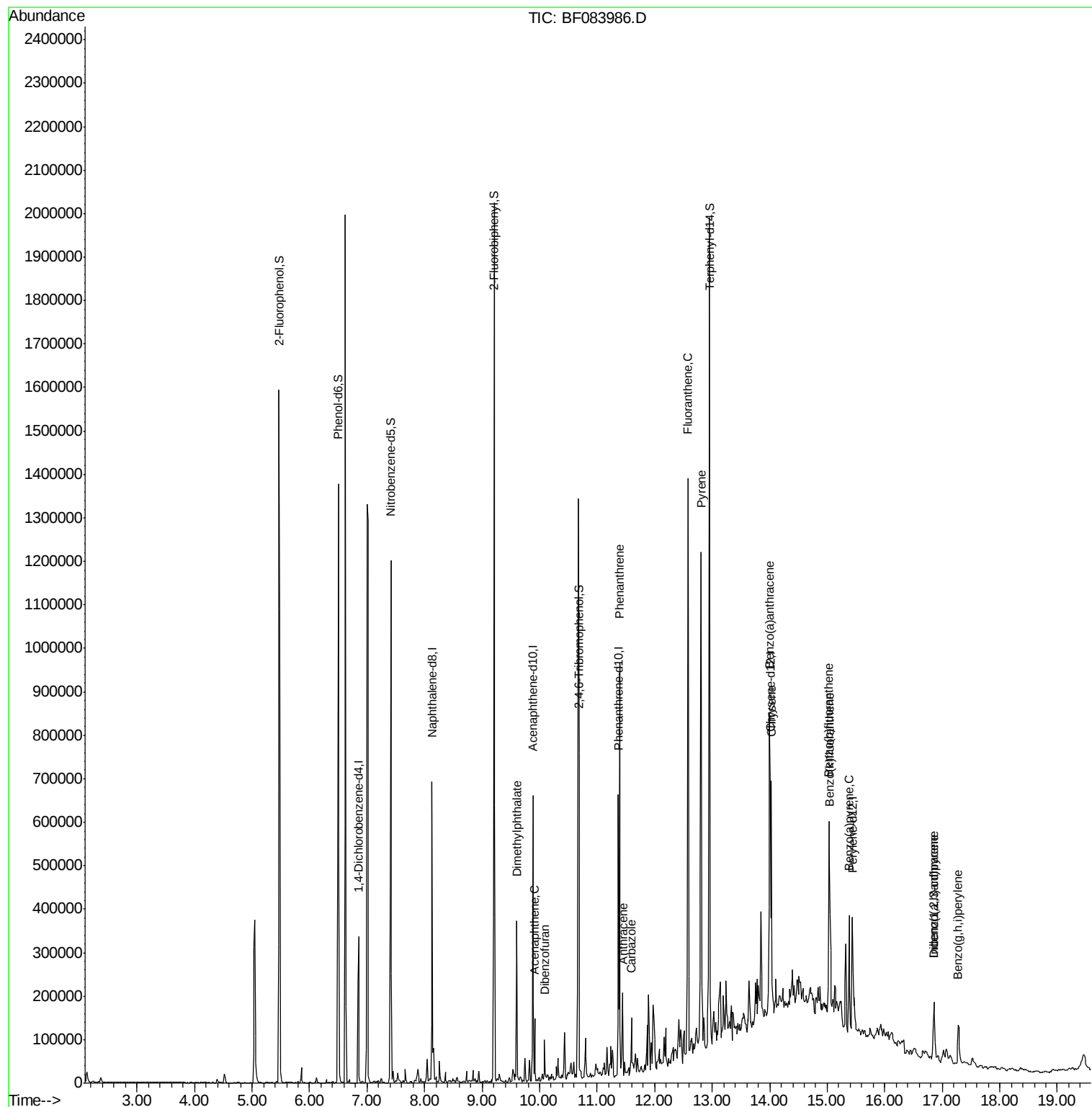
Data Path : Z:\HPCHEM1\BNA F\DATA\BF122015\
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ALS Vial : 37 Sample Multiplier: 1

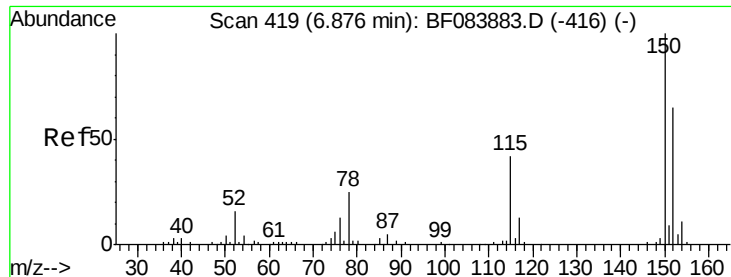
Instrument :
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STOCKPILE-1(0-2)

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Quant Time: Dec 21 04:38:31 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

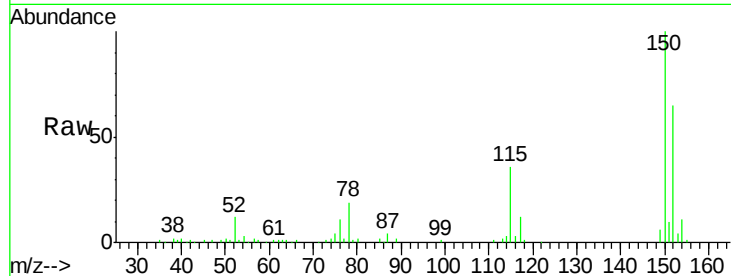
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.85 min Scan# 417
Delta R.T. -0.02 min
Lab File: BF083986.D
Acq: 20 Dec 2015 8:13

Instrument :
BNA_F
ClientSampleId :
STOCKPILE-1(0-2)

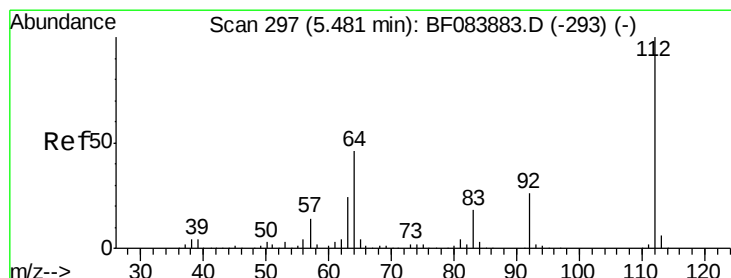
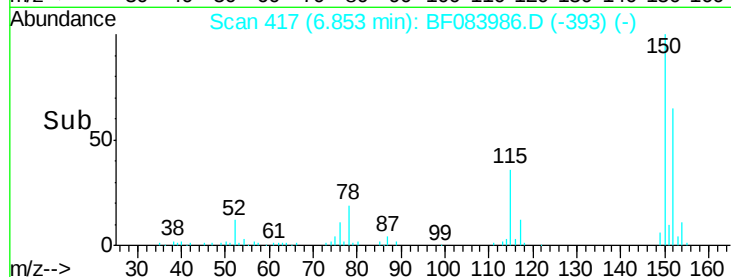
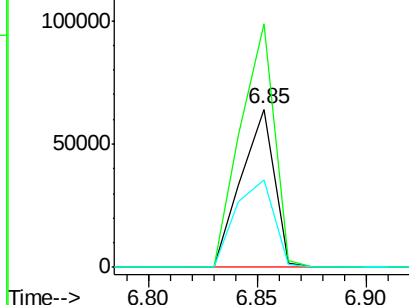
Tot Ion	Ratio	Lower	Upper
152	100		
150	153.9	123.0	184.4
115	55.7	51.4	77.2

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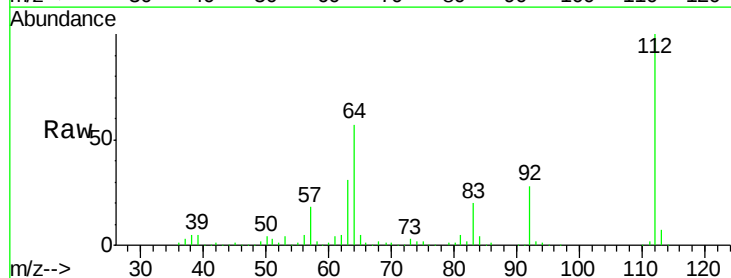
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



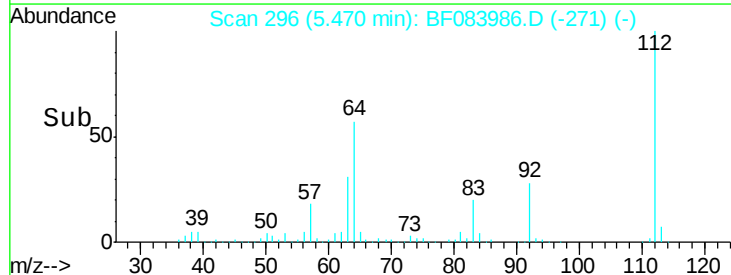
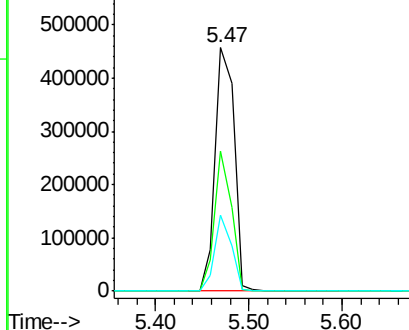
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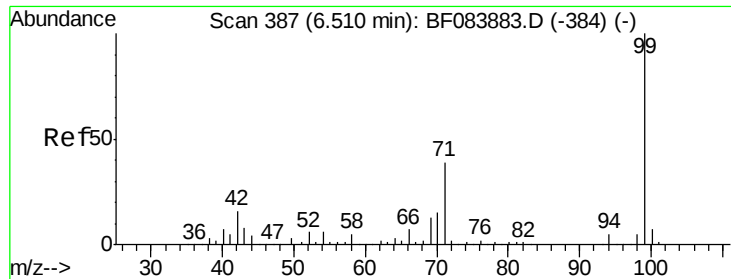
2-Fluorophenol
Concen: 148.31 ng
RT: 5.47 min Scan# 296
Delta R.T. -0.01 min
Lab File: BF083986.D
Acq: 20 Dec 2015 8:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.4	36.6	55.0#
63	31.0	19.4	29.0#



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: 118.47 ng

RT: 6.50 min Scan# 386

Delta R.T. -0.01 min

Lab File: BF083986.D

Acq: 20 Dec 2015 8:13

Instrument :

BNA_F

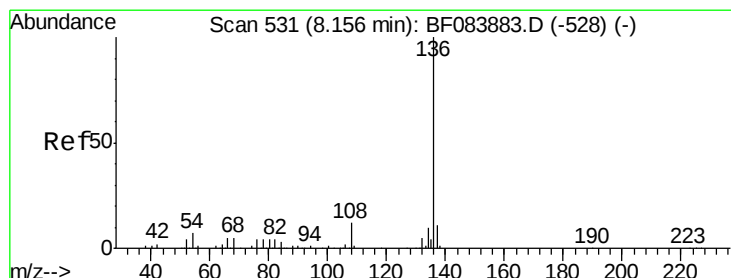
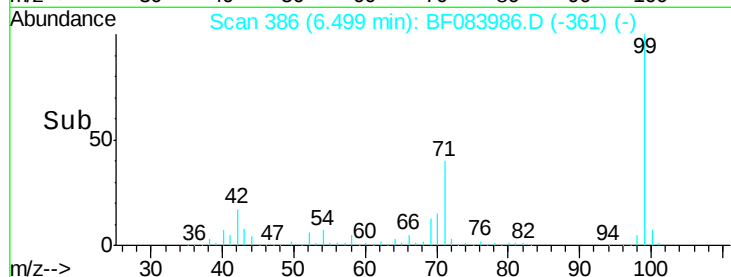
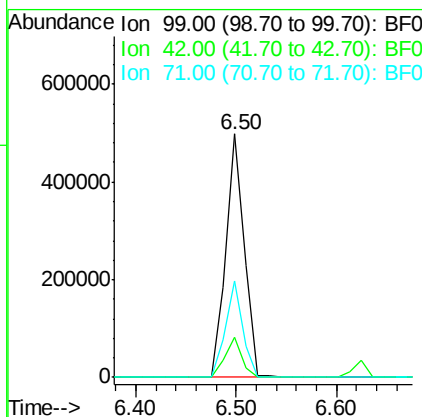
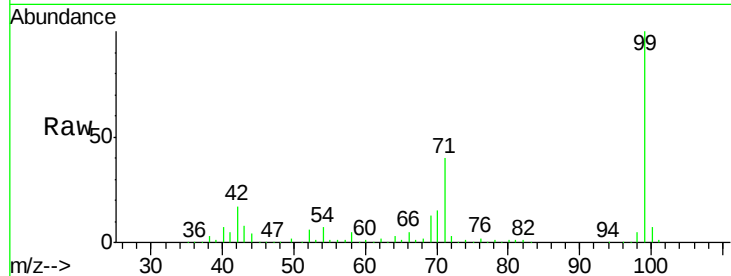
ClientSampleId :

STOCKPILE-1(0-2)

Tot Ion:	99	Resp:	632452
Ion Ratio	Lower	Upper	
99	100		
42	16.7	12.8	19.2
71	39.7	30.9	46.3

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#21

Naphthalene-d8

Concen: 20.00 ng

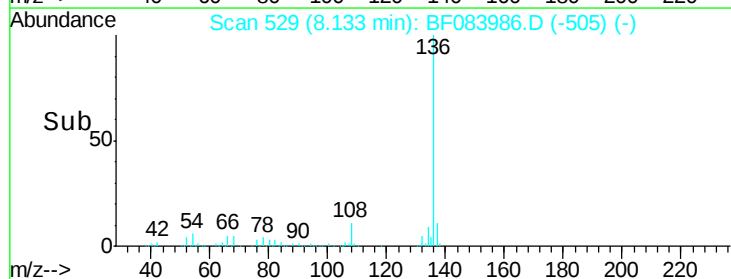
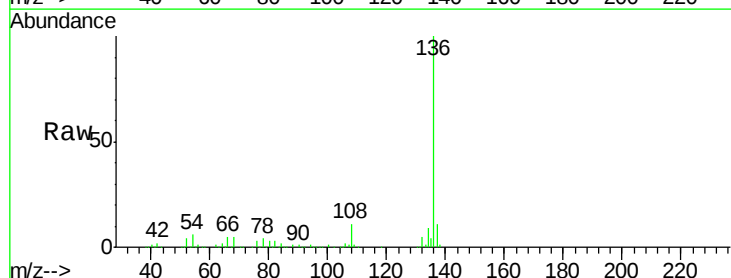
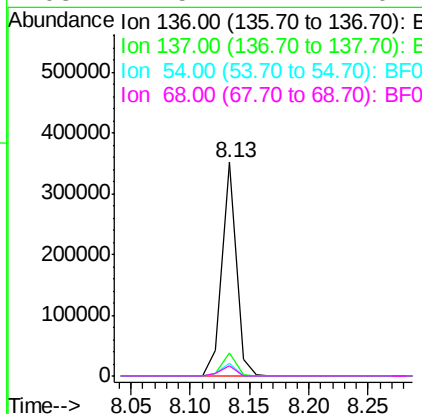
RT: 8.13 min Scan# 529

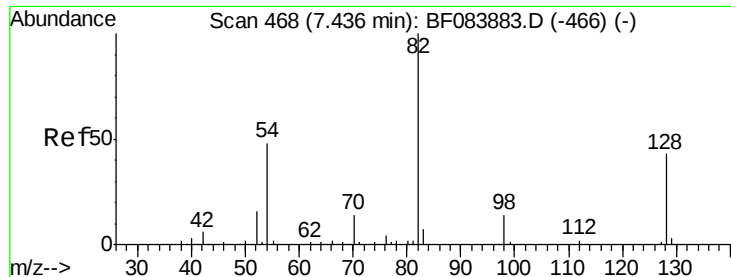
Delta R.T. -0.02 min

Lab File: BF083986.D

Acq: 20 Dec 2015 8:13

Tgt Ion:	136	Resp:	292666
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.7	13.1
54	5.9	5.8	8.8
68	4.5	4.2	6.2





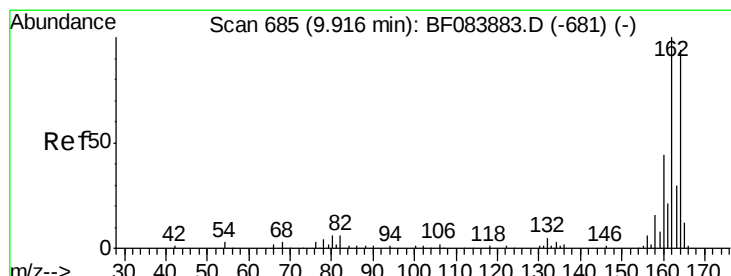
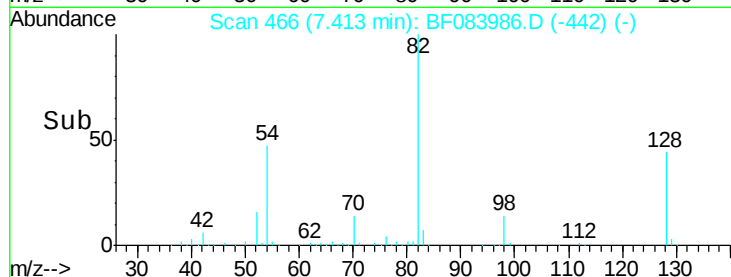
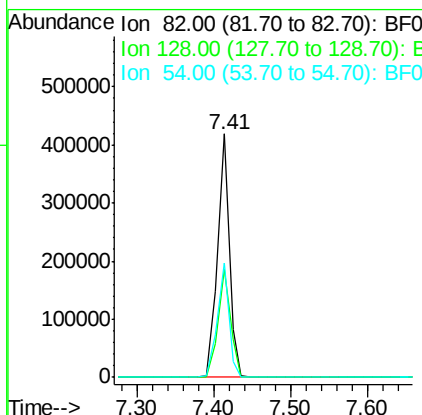
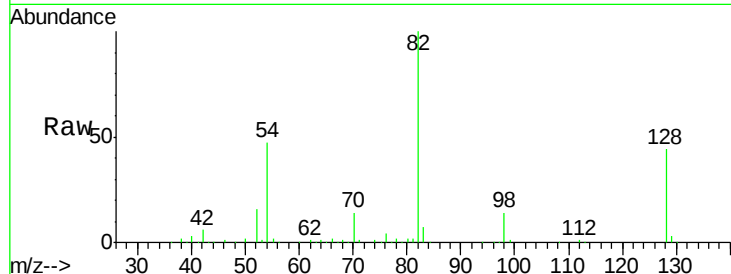
#23
 Nitrobenzene-d5
 Concen: 88.48 ng
 RT: 7.41 min Scan# 466
 Delta R.T. -0.02 min
 Lab File: BF083986.D
 Acq: 20 Dec 2015 8:13

Instrument :
 BNA_F
 ClientSampleId :
 STOCKPILE-1(0-2)

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.2	34.6	51.8
54	47.2	38.4	57.6

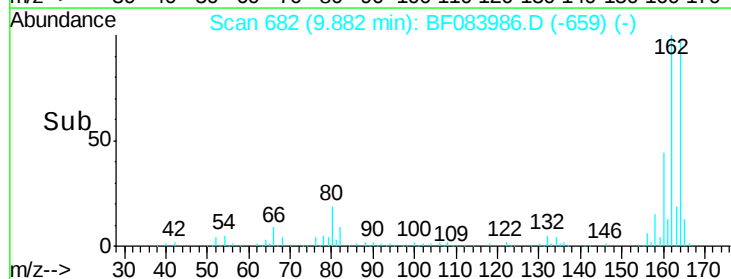
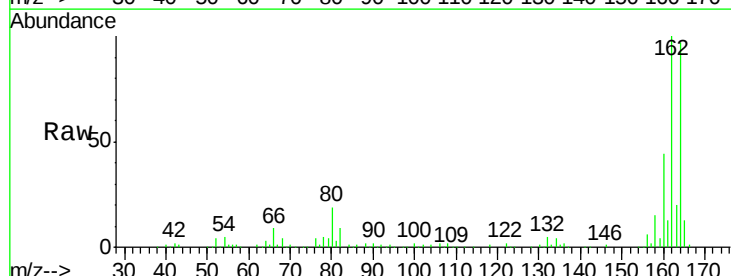
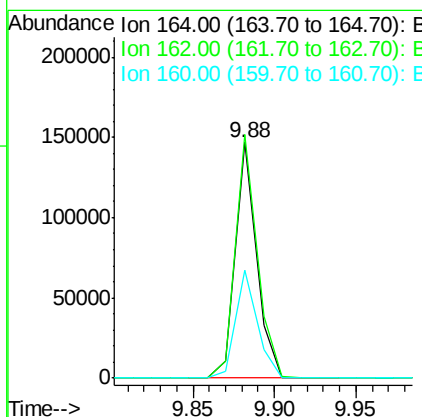
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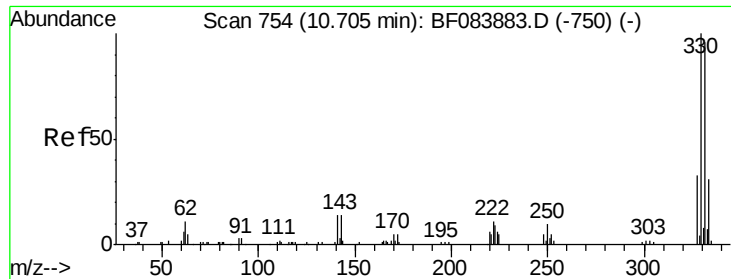
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.88 min Scan# 682
 Delta R.T. -0.03 min
 Lab File: BF083986.D
 Acq: 20 Dec 2015 8:13

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.3	85.1	127.7
160	45.9	37.5	56.3





#41

2,4,6-Tribromophenol

Concen: 149.67 ng

RT: 10.68 min Scan# 752

Delta R.T. -0.02 min

Lab File: BF083986.D

Acq: 20 Dec 2015 8:13

Instrument :

BNA_F

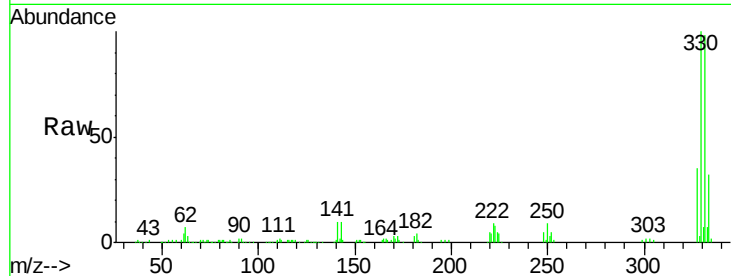
ClientSampleId :

STOCKPILE-1(0-2)

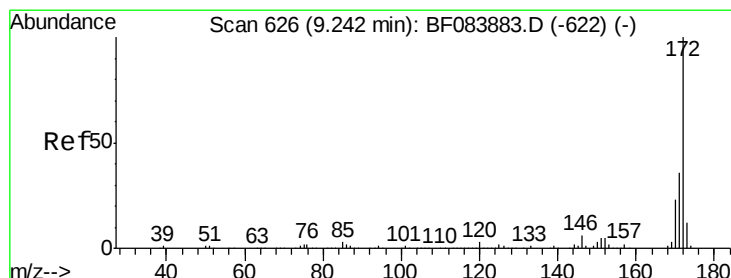
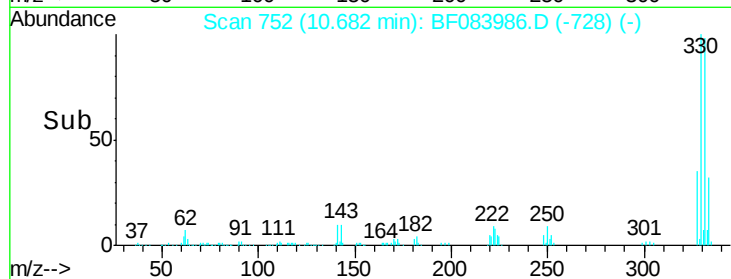
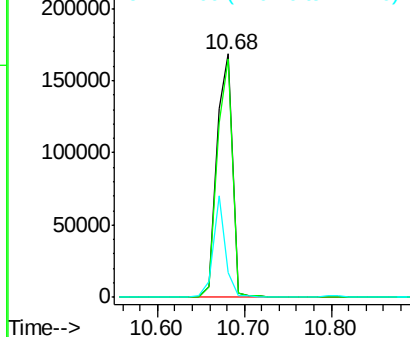
Tot Ion:	330	Resp:	216092
Ion Ratio	Lower	Upper	
330	100		
332	95.4	76.6	114.8
141	33.1	27.8	41.6

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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: 74.51 ng

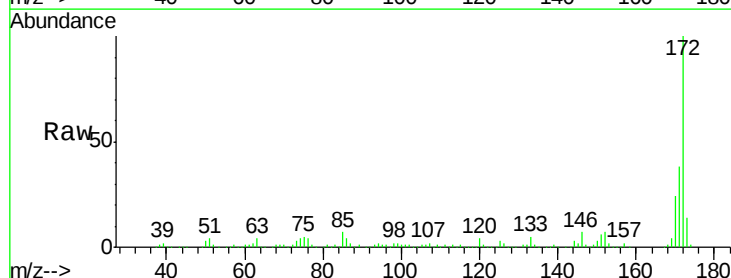
RT: 9.21 min Scan# 623

Delta R.T. -0.03 min

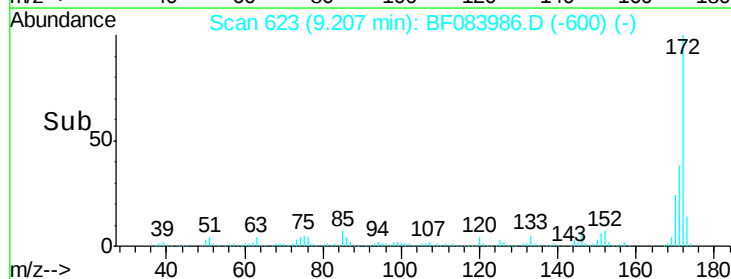
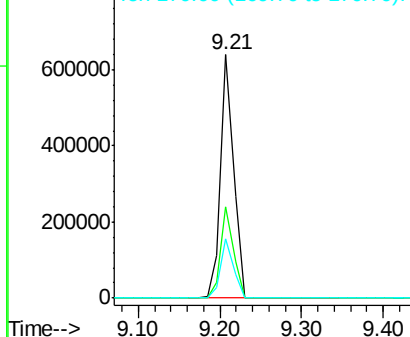
Lab File: BF083986.D

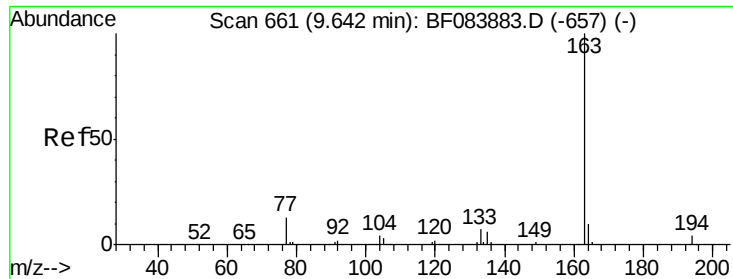
Acq: 20 Dec 2015 8:13

Tgt Ion:	172	Resp:	709112
Ion Ratio	Lower	Upper	
172	100		
171	37.6	28.9	43.3
170	24.5	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





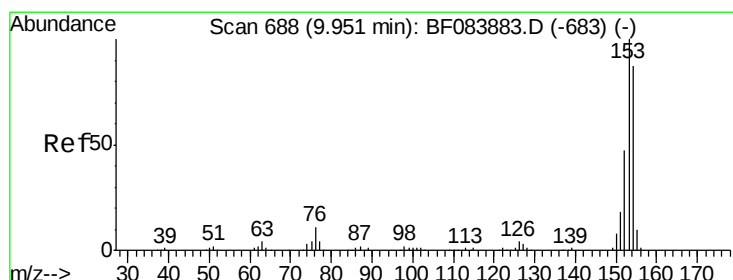
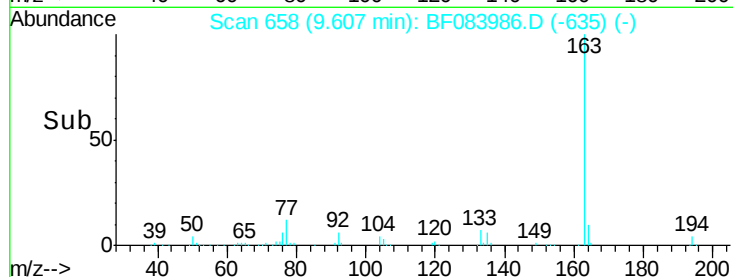
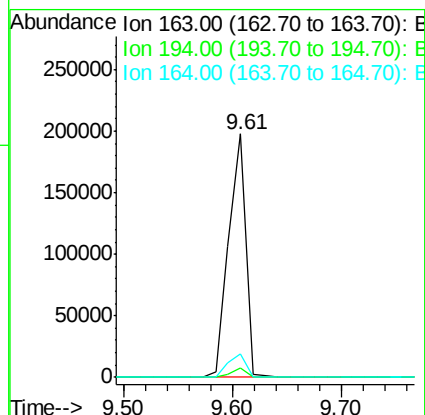
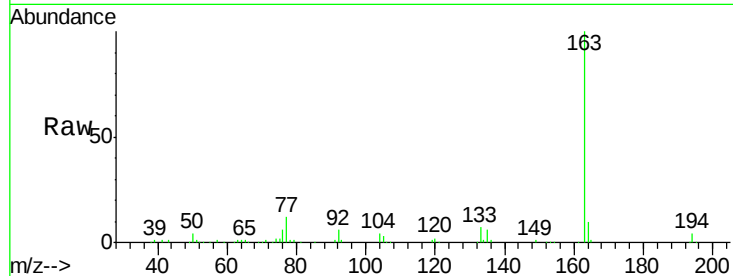
#49
Dimethylphthalate
Concen: 19.54 ng
RT: 9.61 min Scan# 658
Delta R.T. -0.03 min
Lab File: BF083986.D
Acq: 20 Dec 2015 8:13

Instrument :
BNA_F
ClientSampleId :
STOCKPILE-1(0-2)

Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	3.6	8.0	12.0#
164	9.8	8.0	12.0

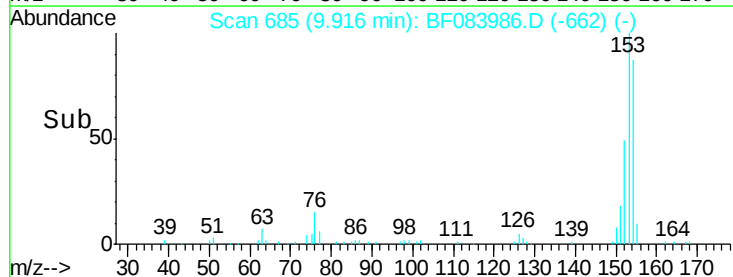
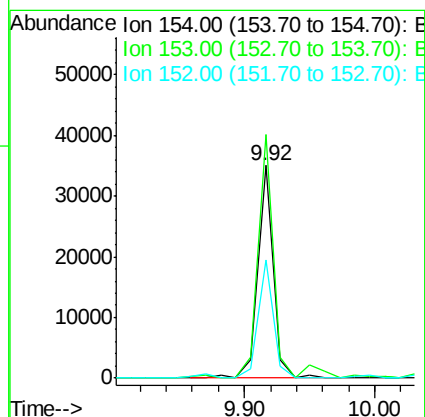
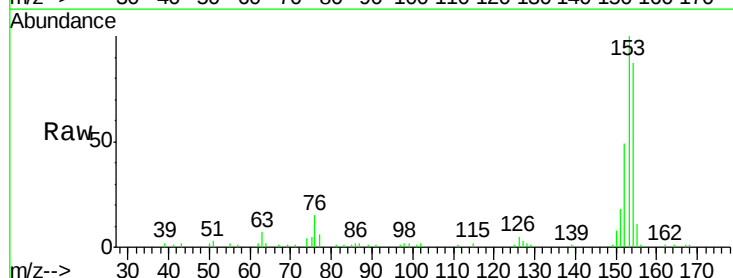
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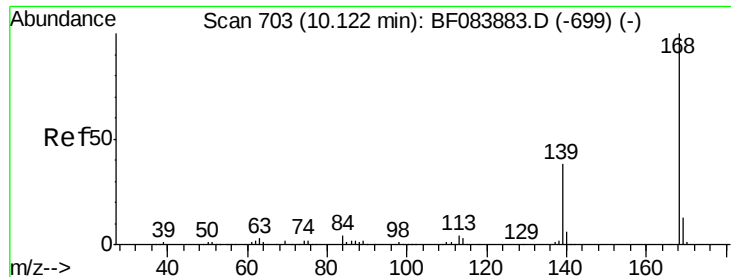
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#51
Acenaphthene
Concen: 3.08 ng
RT: 9.92 min Scan# 685
Delta R.T. -0.03 min
Lab File: BF083986.D
Acq: 20 Dec 2015 8:13

Tgt Ion	Ratio	Resp Lower	Upper
154	100		
153	114.4	91.5	137.3
152	55.8	43.0	64.6





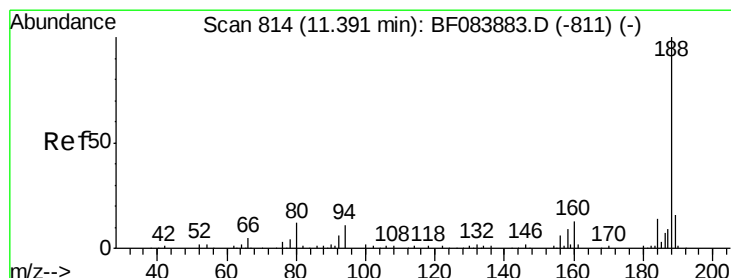
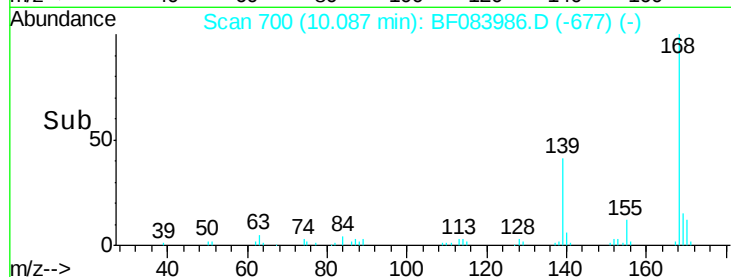
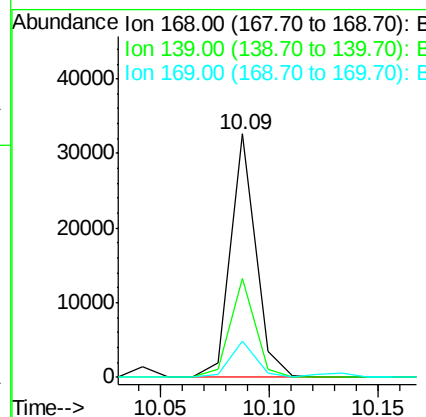
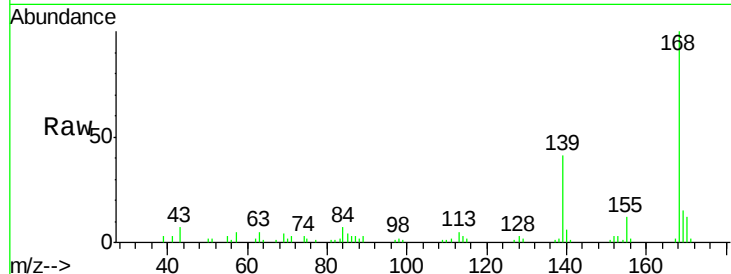
#54
Dibenzofuran
Concen: 2.16 ng
RT: 10.09 min Scan# 700
Delta R.T. -0.03 min
Lab File: BF083986.D
Acq: 20 Dec 2015 8:13

Instrument :
BNA_F
ClientSampleId :
STOCKPILE-1(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
168	100	26346		
139	40.7		30.5	45.7
169	15.0		10.4	15.6

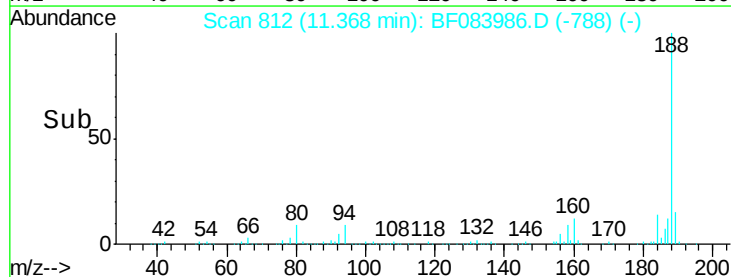
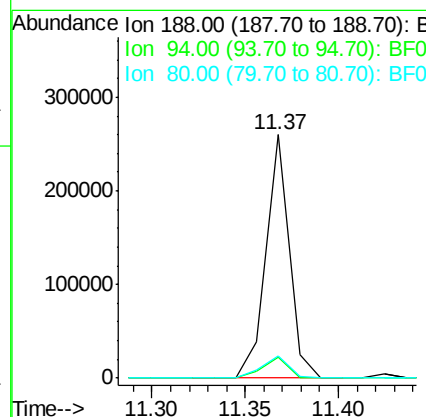
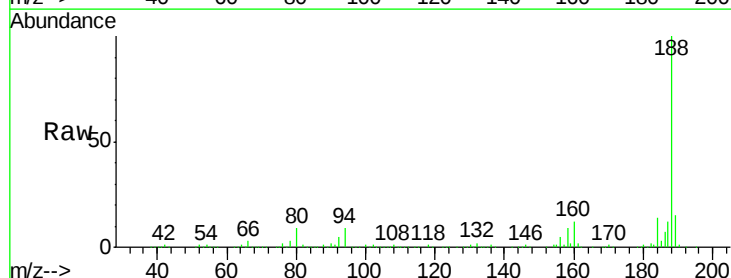
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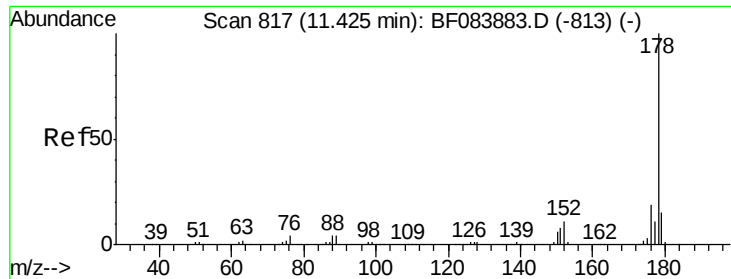
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 812
Delta R.T. -0.02 min
Lab File: BF083986.D
Acq: 20 Dec 2015 8:13

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	223193		
94	8.7		9.0	13.4#
80	9.1		9.6	14.4#





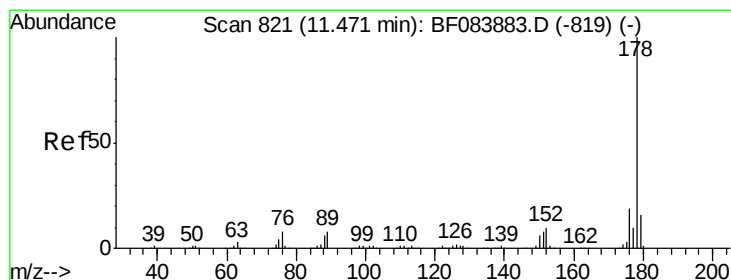
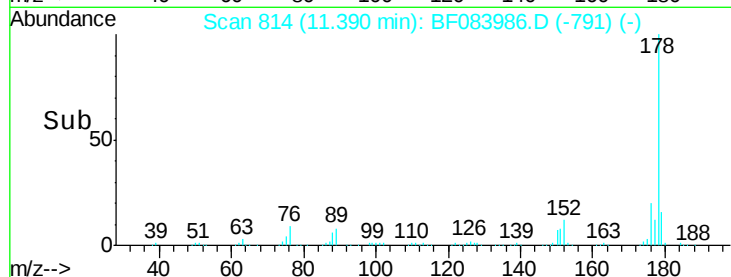
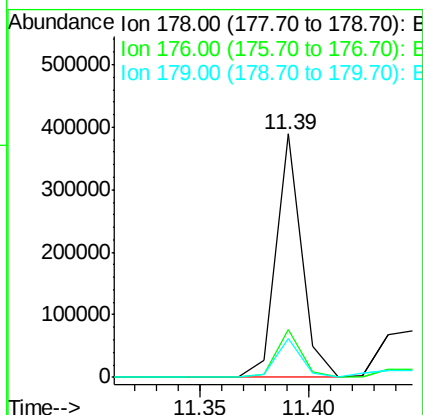
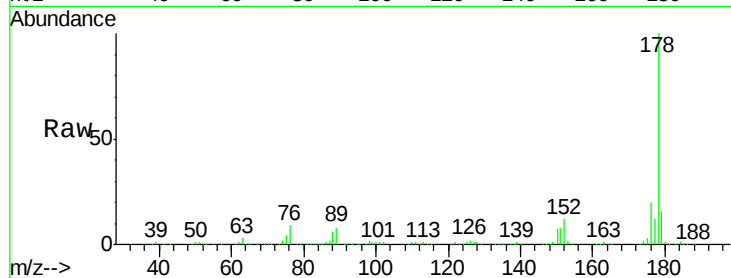
#70
Phenanthrene
Concen: 23.81 ng
RT: 11.39 min Scan# 814
Delta R.T. -0.03 min
Lab File: BF083986.D
Acq: 20 Dec 2015 8:13

Instrument :
BNA_F
ClientSampleId :
STOCKPILE-1(0-2)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.3	22.9
179	15.8	12.0	18.0

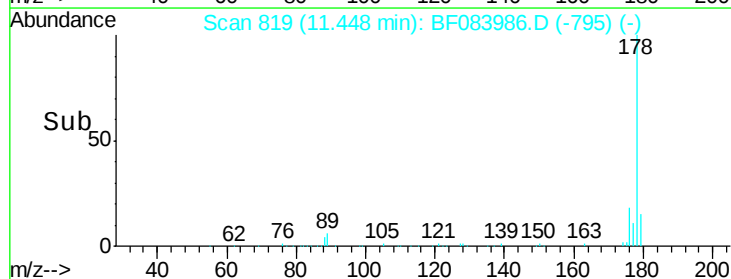
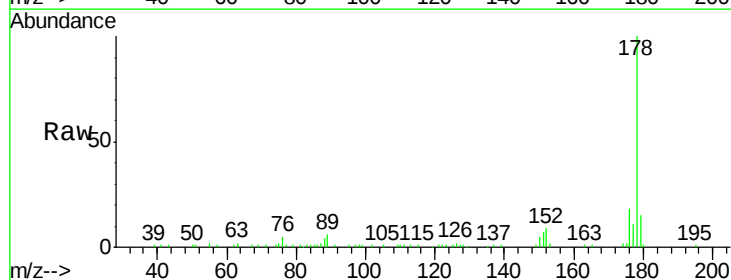
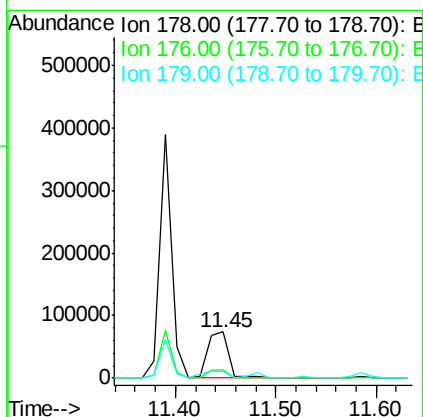
Manual Integrations
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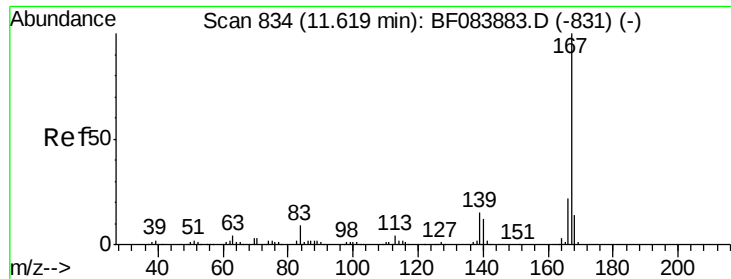
apatel
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#71
Anthracene
Concen: 8.12 ng
RT: 11.45 min Scan# 819
Delta R.T. -0.02 min
Lab File: BF083986.D
Acq: 20 Dec 2015 8:13

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.4	23.0
179	15.2	12.5	18.7





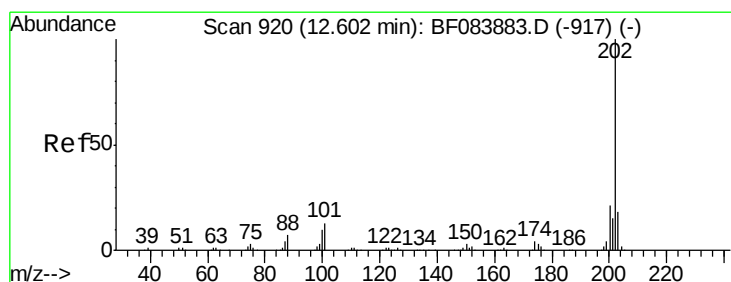
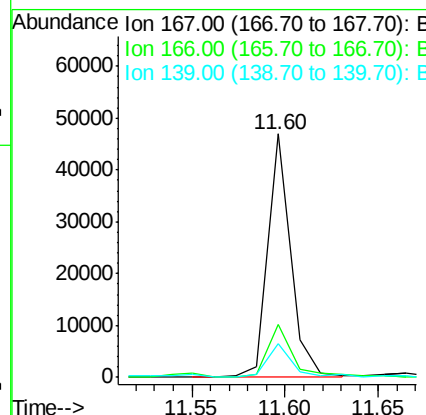
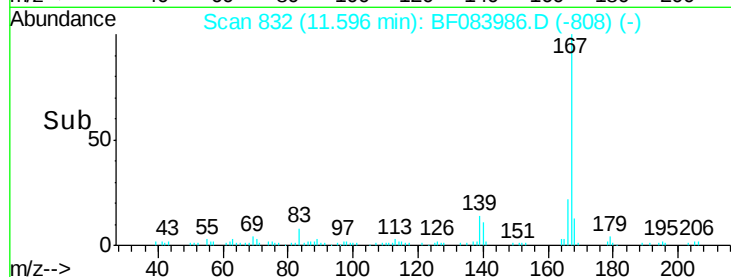
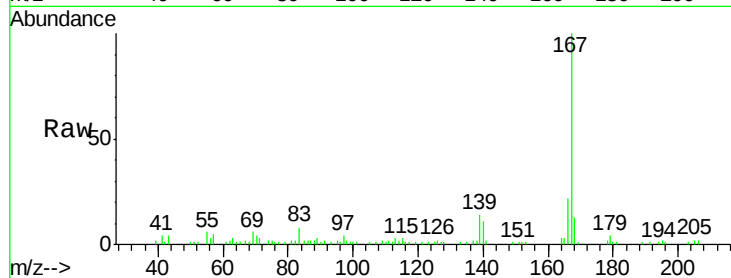
#72
 Carbazole
 Concen: 3.08 ng
 RT: 11.60 min Scan# 832
 Delta R.T. -0.02 min
 Lab File: BF083986.D
 Acq: 20 Dec 2015 8:13

Instrument :
 BNA_F
 ClientSampleId :
 STOCKPILE-1(0-2)

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.6	26.4
139	13.8	11.8	17.8

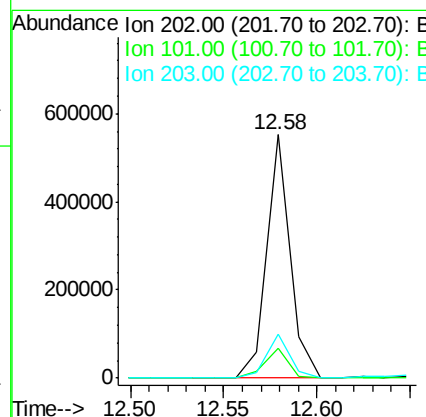
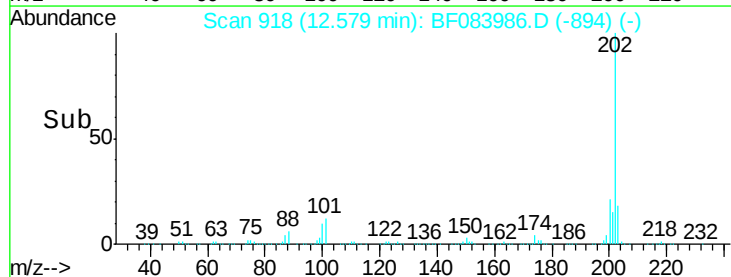
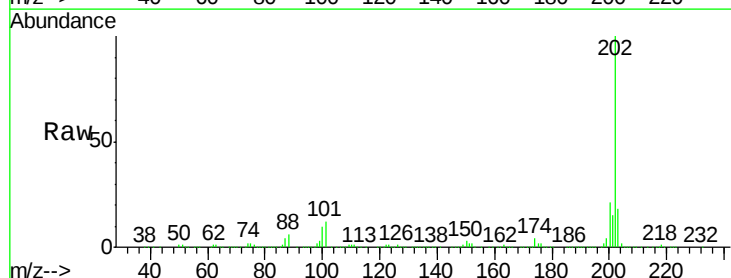
Manual Integrations
 APPROVED

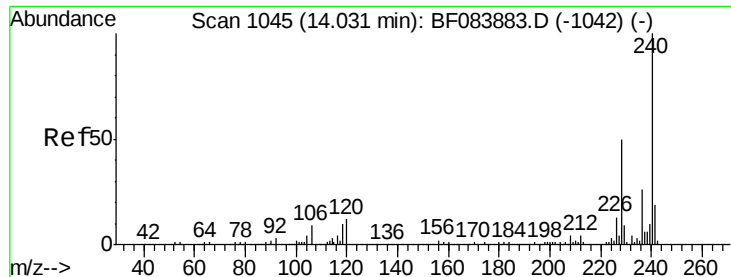
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#74
 Fluoranthene
 Concen: 35.97 ng
 RT: 12.58 min Scan# 918
 Delta R.T. -0.02 min
 Lab File: BF083986.D
 Acq: 20 Dec 2015 8:13

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	32.8
203	18.1	0.0	37.9





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.01 min Scan# 1043

Delta R.T. -0.02 min

Lab File: BF083986.D

Acq: 20 Dec 2015 8:13

Instrument :

BNA_F

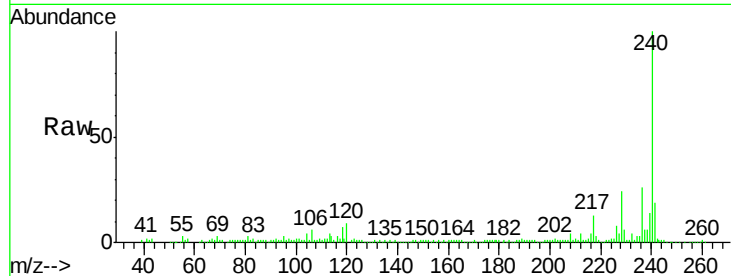
ClientSampleId :

STOCKPILE-1(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
240	100	162771		
120	9.1	9.5	14.3#	
236	26.0	20.6	31.0	

Manual Integrations
APPROVED

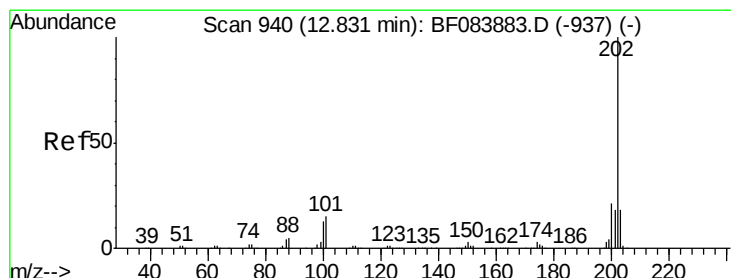
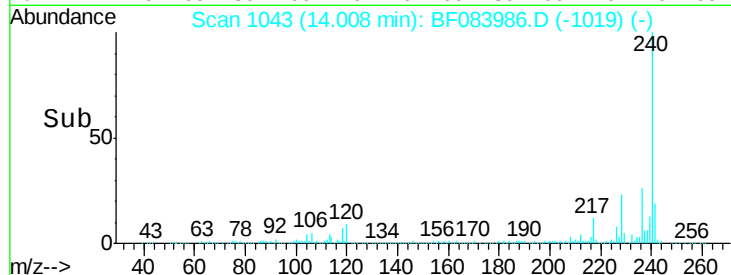
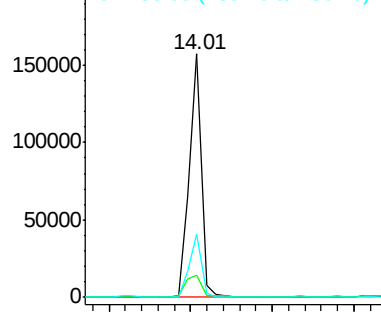
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 44.89 ng

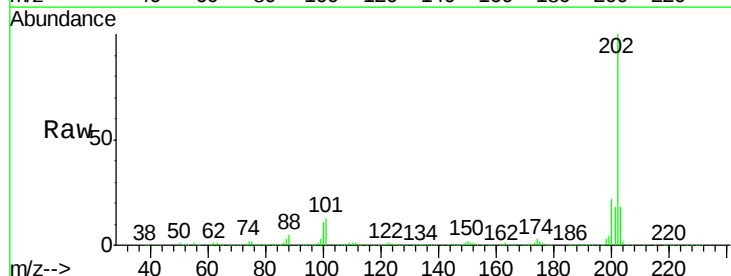
RT: 12.81 min Scan# 938

Delta R.T. -0.02 min

Lab File: BF083986.D

Acq: 20 Dec 2015 8:13

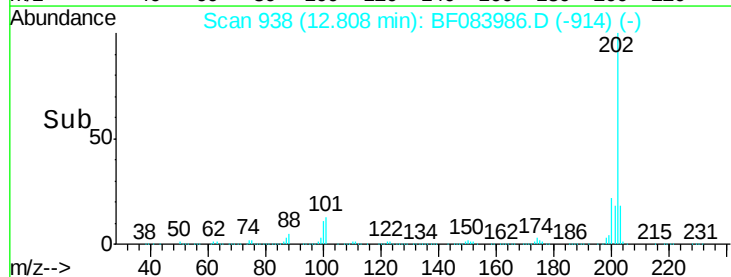
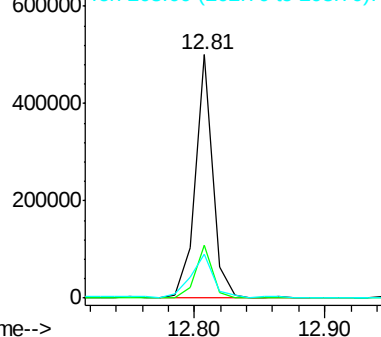
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	465563		
200	21.6	17.2	25.8	
203	17.8	14.3	21.5	

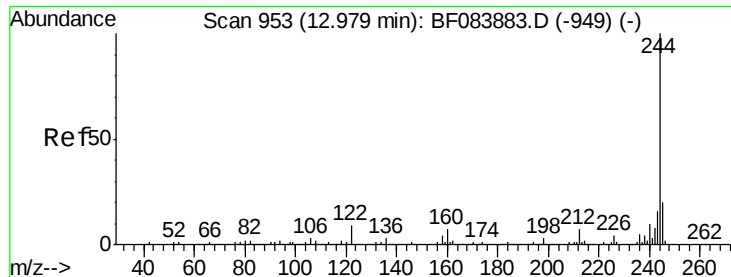


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 115.11 ng

RT: 12.96 min Scan# 951

Delta R.T. -0.02 min

Lab File: BF083986.D

Acq: 20 Dec 2015 8:13

Instrument :

BNA_F

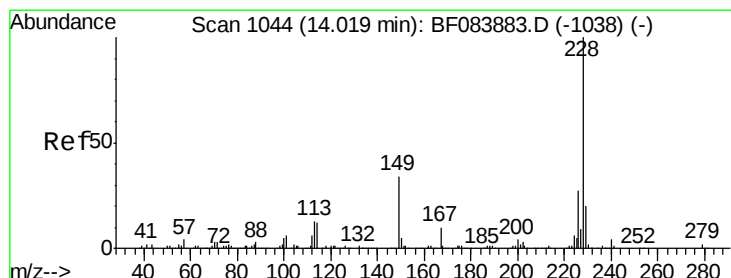
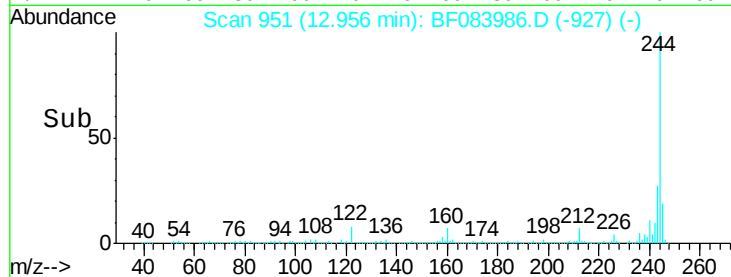
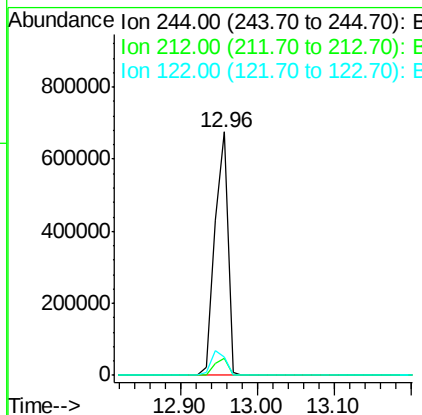
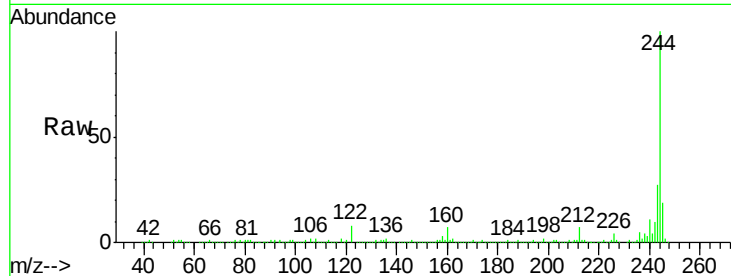
ClientSampleId :

STOCKPILE-1(0-2)

Tot Ion	Ratio	Resp Lower	Upper
244	100		
212	7.2	5.7	8.5
122	7.7	7.4	11.0

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#80

Benzo(a)anthracene

Concen: 22.30 ng

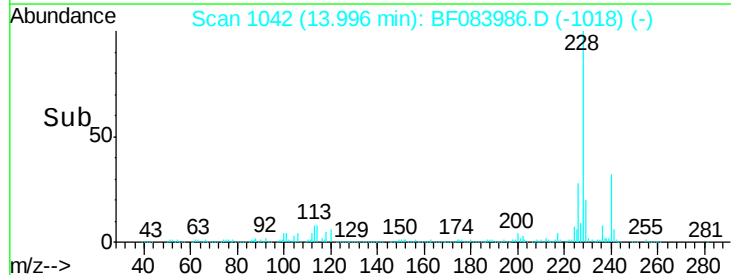
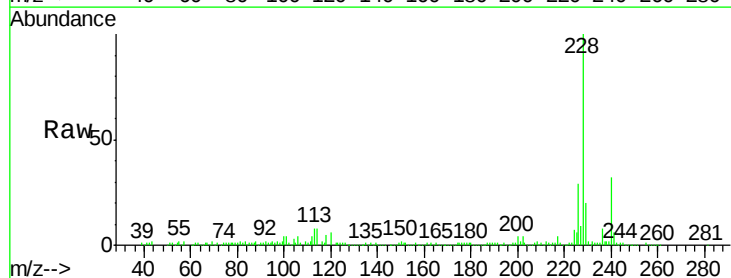
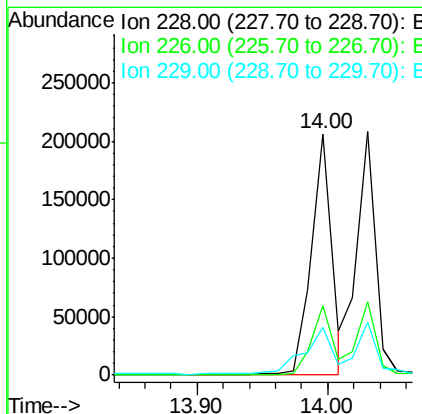
RT: 14.00 min Scan# 1042

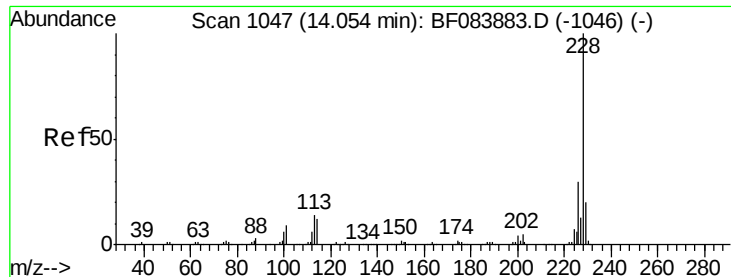
Delta R.T. -0.02 min

Lab File: BF083986.D

Acq: 20 Dec 2015 8:13

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	28.6	21.8	32.6
229	20.0	15.8	23.8





#82

Chrysene

Concen: 21.66 ng/mL

RT: 14.03 min Scan# 1045

Delta R.T. -0.02 min

Lab File: BF083986.D

Acq: 20 Dec 2015 8:13

Instrument:

BNA_F

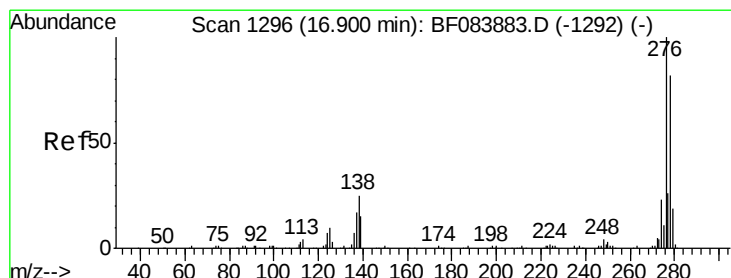
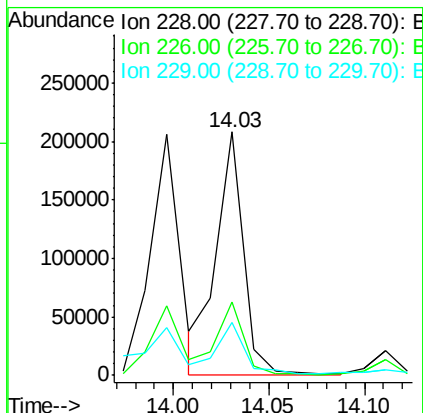
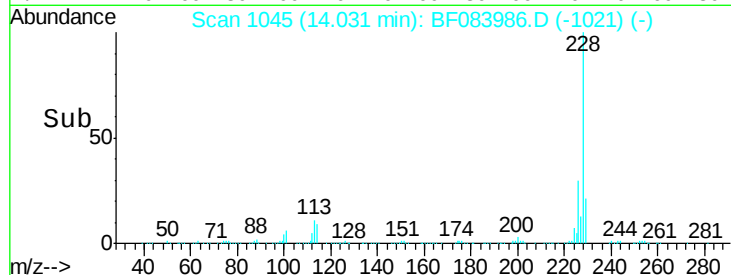
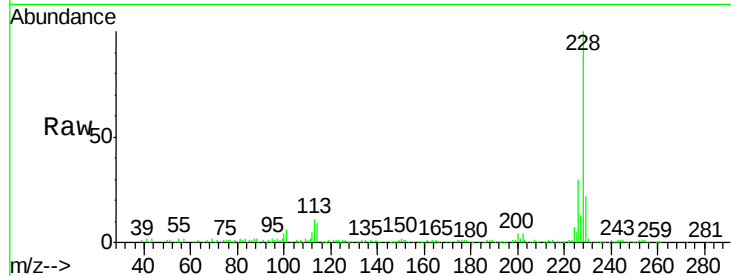
ClientSampleID:

STOCKPILE-1(0-2)

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.3	36.5
229	21.9	16.1	24.1

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 11.77 ng/mL

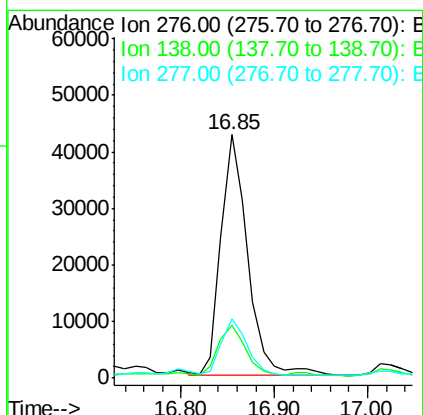
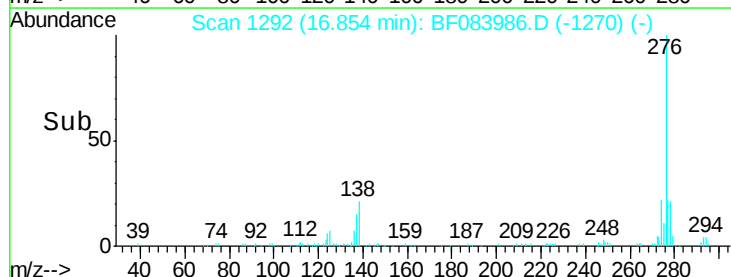
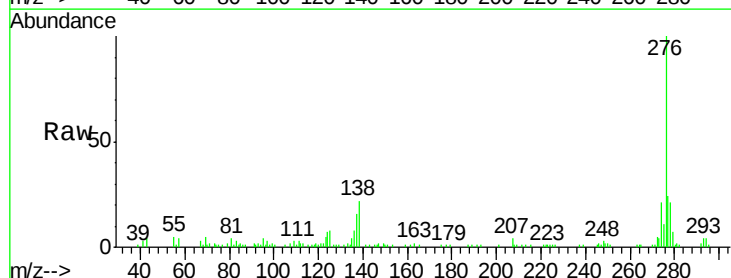
RT: 16.85 min Scan# 1292

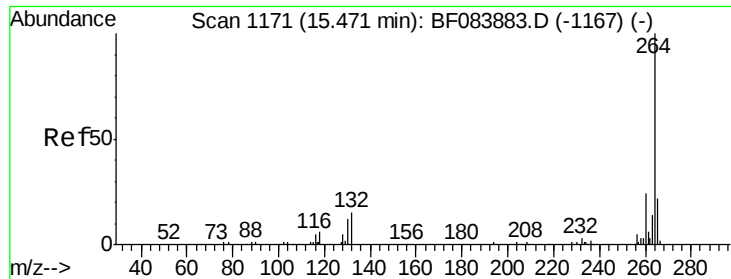
Delta R.T. -0.05 min

Lab File: BF083986.D

Acq: 20 Dec 2015 8:13

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.0	20.6	30.8
277	23.1	20.1	30.1





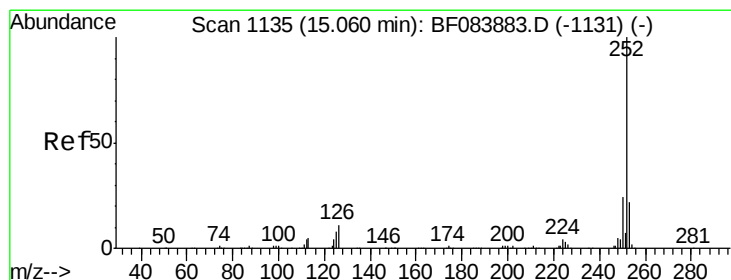
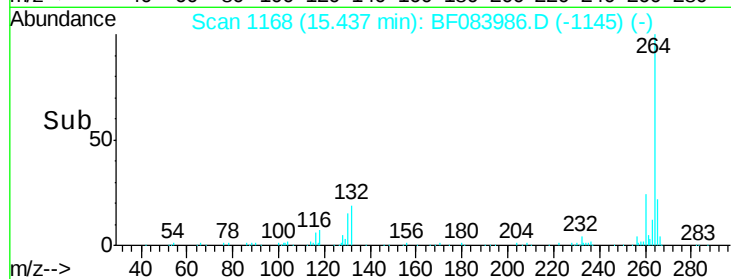
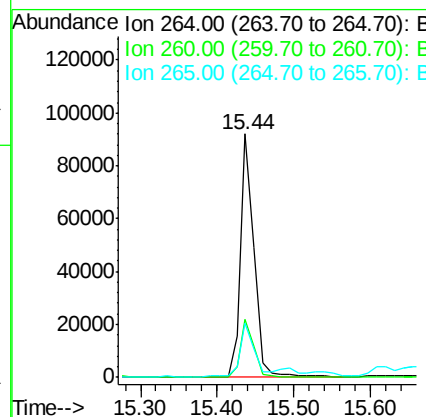
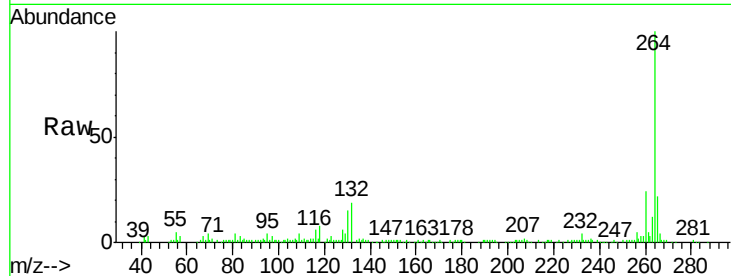
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.44 min Scan# 1168
Delta R.T. -0.03 min
Lab File: BF083986.D
Acq: 20 Dec 2015 8:13

Instrument :
BNA_F
ClientSampleId :
STOCKPILE-1(0-2)

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.4	29.2
265	22.2	17.8	26.6

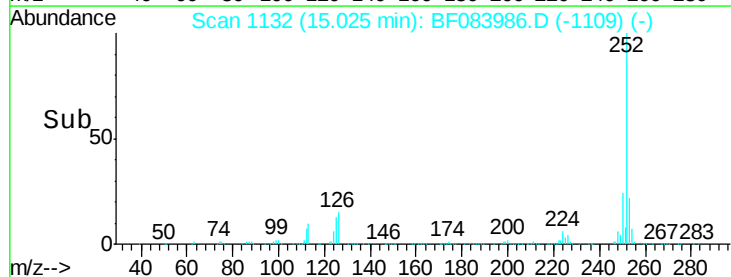
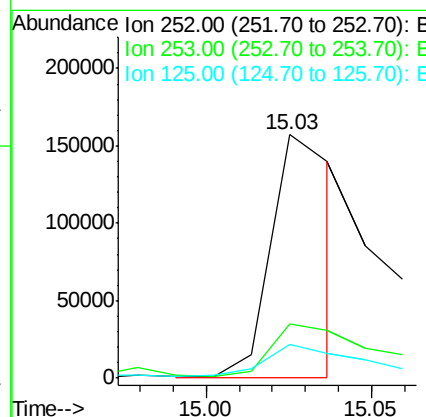
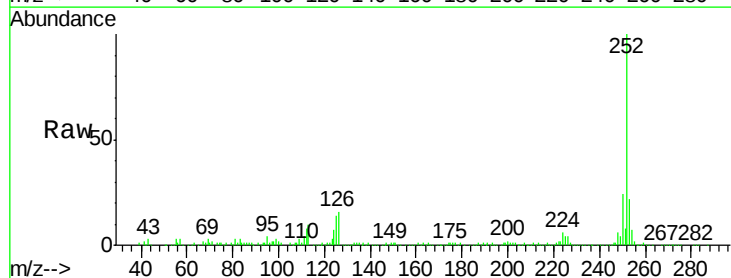
Manual Integrations
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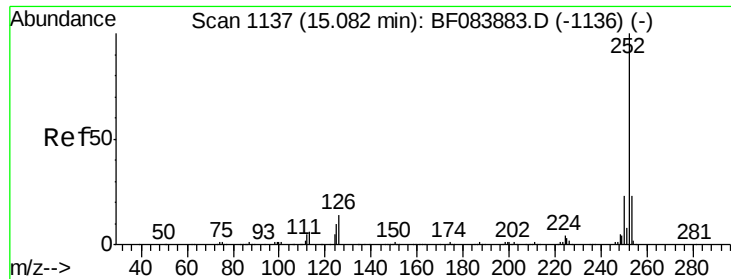
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#87
Benzo(b)fluoranthene
Concen: 25.28 ng m
RT: 15.03 min Scan# 1132
Delta R.T. -0.03 min
Lab File: BF083986.D
Acq: 20 Dec 2015 8:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.3	25.9
125	13.9	6.5	9.7#





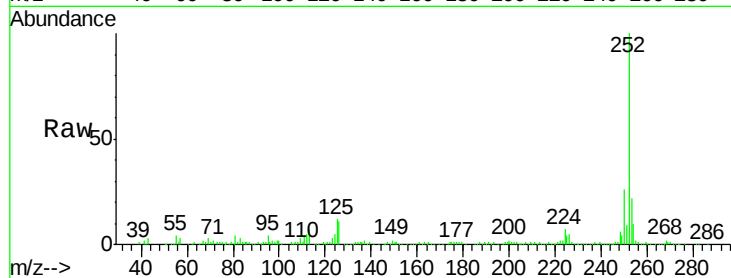
#88
Benzo(k)fluoranthene
Concen: 16.09 ng m
RT: 15.04 min Scan# 1133
Delta R.T. -0.05 min
Lab File: BF083986.D
Acq: 20 Dec 2015 8:13

Instrument :
BNA_F
ClientSampleId :
STOCKPILE-1(0-2)

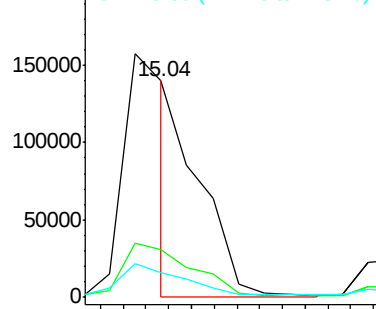
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.1	27.1
125	11.5	9.0	13.6

Manual Integrations
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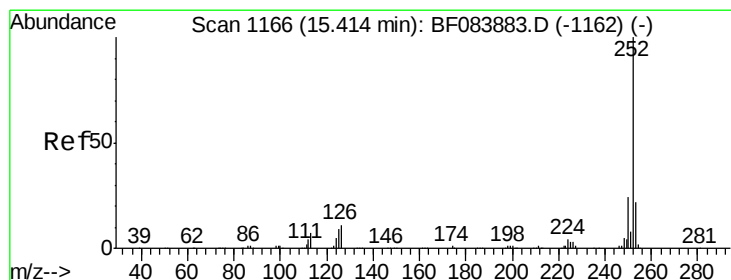
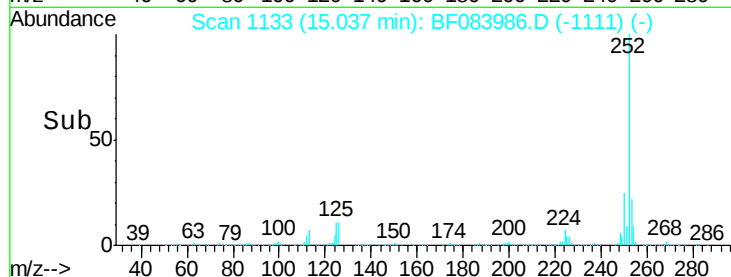
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



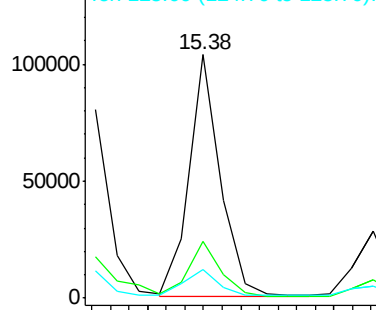
Time-->



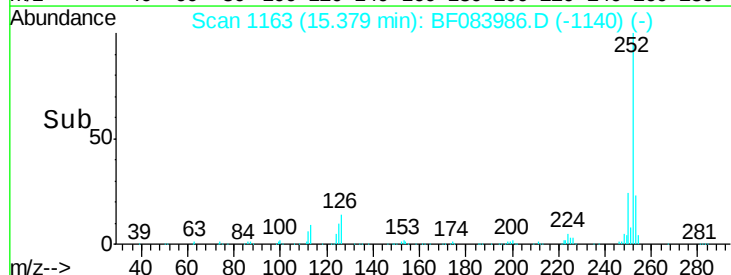
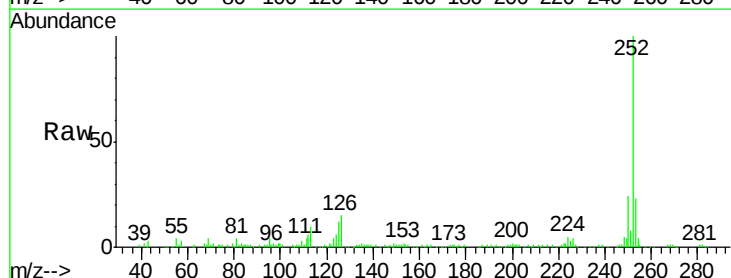
#89
Benzo(a)pyrene
Concen: 17.34 ng
RT: 15.38 min Scan# 1163
Delta R.T. -0.03 min
Lab File: BF083986.D
Acq: 20 Dec 2015 8:13

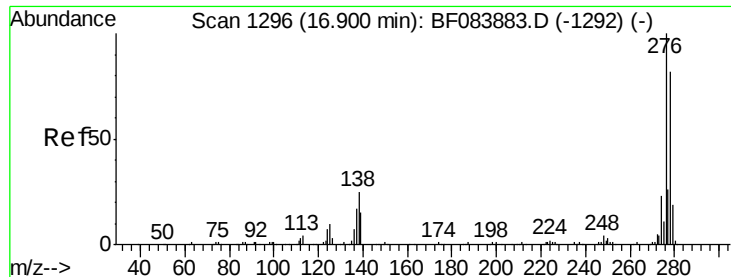
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.3	25.9
125	11.6	7.0	10.4

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



Time-->





#90

Dibenzo(a,h)anthracene

Concen: 3.87 ng/mL

RT: 16.85 min Scan# 1292

Delta R.T. -0.05 min

Lab File: BF083986.D

Acq: 20 Dec 2015 8:13

Instrument :

BNA_F

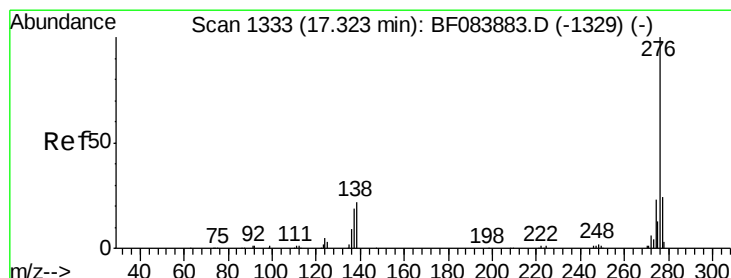
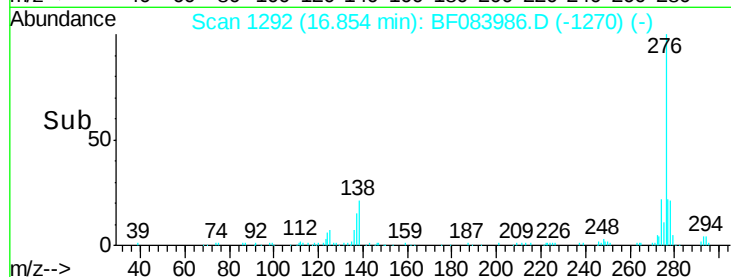
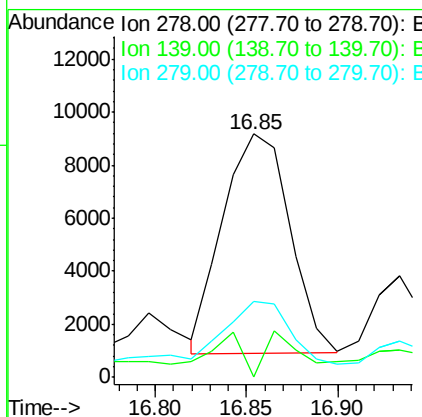
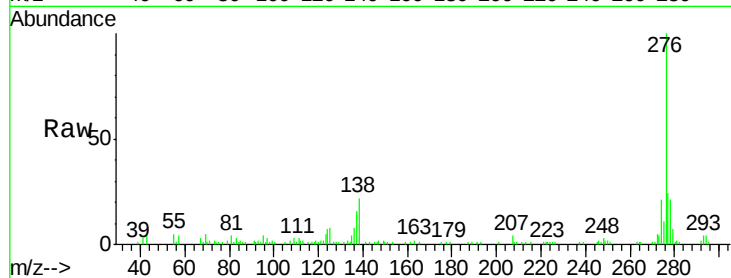
ClientSampleId :

STOCKPILE-1(0-2)

Tot Ion:	278	Resp:	21093
Ion Ratio	Lower	Upper	
278	100		
139	0.0	15.0	22.4#
279	31.1	18.9	28.3#

Manual Integrations
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#91

Benzo(g,h,i)perylene

Concen: 15.36 ng/mL

RT: 17.28 min Scan# 1329

Delta R.T. -0.05 min

Lab File: BF083986.D

Acq: 20 Dec 2015 8:13

Tgt Ion:	276	Resp:	82148
Ion Ratio	Lower	Upper	
276	100		
277	23.9	18.8	28.2
138	24.1	17.8	26.6

