

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122015\
 Data File : BF083987.D
 Acq On : 20 Dec 2015 8:40
 Operator : UM/SJ
 Sample : G4912-03
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

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

Manual Integrations
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Quant Time: Dec 21 04:43:30 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	89093	20.00	ng	-0.02
21) Naphthalene-d8	8.13	136	356975	20.00	ng	-0.02
38) Acenaphthene-d10	9.88	164	153947	20.00	ng	-0.03
63) Phenanthrene-d10	11.37	188	263517	20.00	ng	-0.02
75) Chrysene-d12	14.01	240	169370	20.00	ng	-0.02
86) Perylene-d12	15.45	264	172421	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	797416	140.07	ng	0.00
7) Phenol-d6	6.50	99	1002376	143.85	ng	-0.01
23) Nitrobenzene-d5	7.41	82	561274	89.73	ng	-0.02
41) 2,4,6-Tribromophenol	10.68	330	263104	155.13	ng	-0.02
44) 2-Fluorobiphenyl	9.21	172	961827	88.26	ng	-0.03
78) Terphenyl-d14	12.96	244	785522	110.30	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	9.61	163	288271	22.32	ng	# 91
51) Acenaphthene	9.92	154	62544	5.67	ng	99
54) Dibenzofuran	10.09	168	61097	4.26	ng	96
57) Fluorene	10.43	166	58103	2.49	ng	99
70) Phenanthrene	11.39	178	774559	48.65	ng	98
71) Anthracene	11.45	178	195646	12.71	ng	98
72) Carbazole	11.60	167	83125	5.47	ng	98
74) Fluoranthene	12.59	202	1003923	63.19	ng	95
77) Pyrene	12.82	202	922787	76.20	ng	99
80) Benzo(a)anthracene	14.00	228	458208	44.00	ng	98
82) Chrysene	14.03	228	320013	31.81	ng	98
85) Indeno(1,2,3-cd)pyrene	16.87	276	208352	27.70	ng	96
87) Benzo(b)fluoranthene	15.04	252	459804m	36.58	ng	
88) Benzo(k)fluoranthene	15.06	252	173714m	16.75	ng	
89) Benzo(a)pyrene	15.39	252	317179	30.56	ng	# 96
90) Dibenzo(a,h)anthracene	16.87	278	53063m	6.57	ng	
91) Benzo(a,h,i)perylene	17.29	276	187211	23.65	ng	96

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

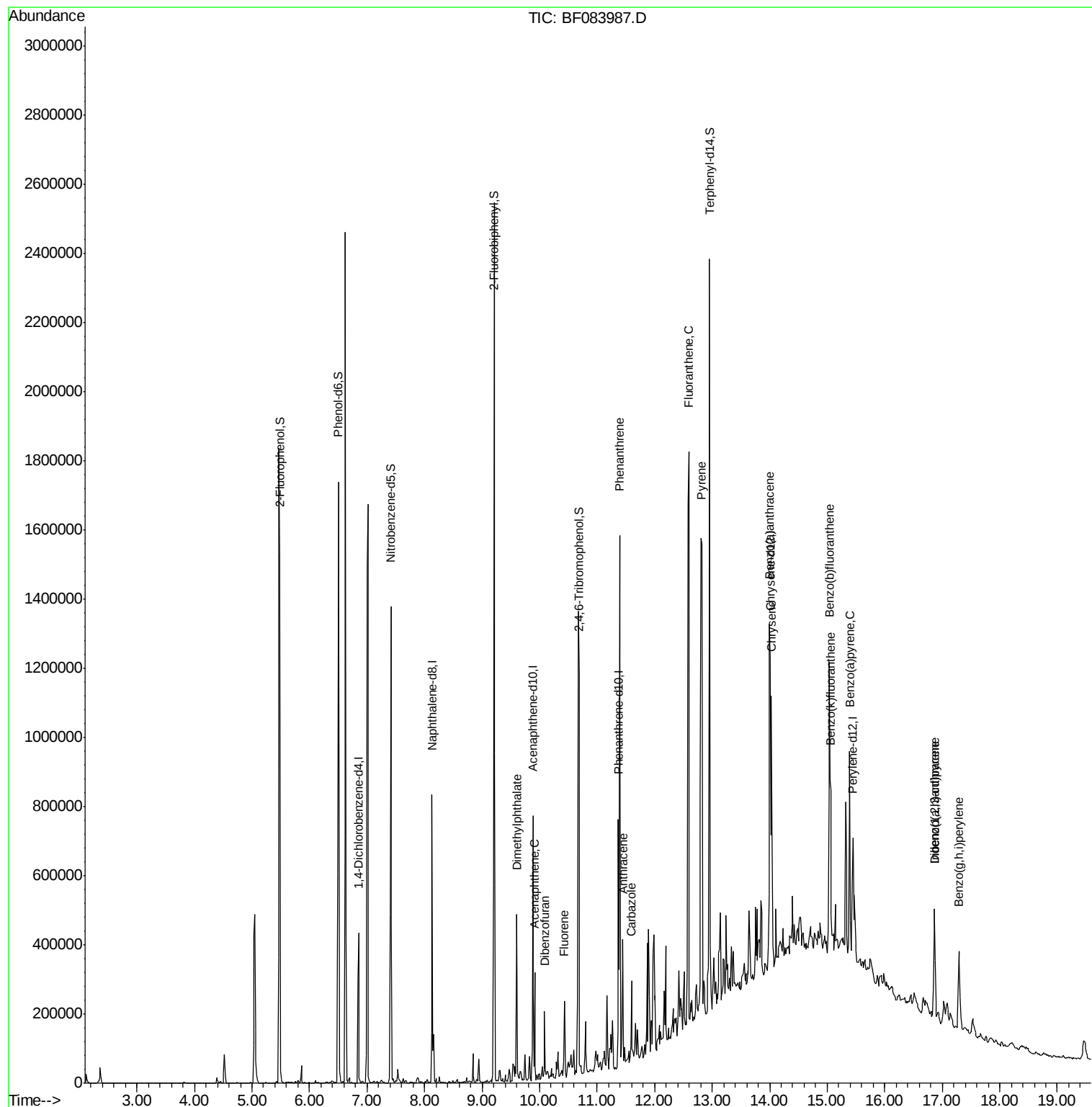
Data Path : Z:\HPCHEM1\BNA F\DATA\BF122015\
Data File : BF083987.D
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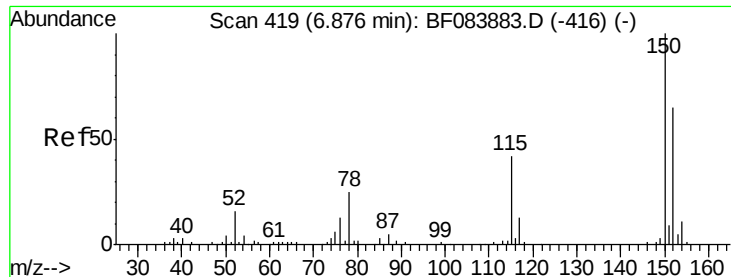
Instrument :
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STOCKPILE-2(0-2)

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Quant Time: Dec 21 04:43:30 2015
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#1

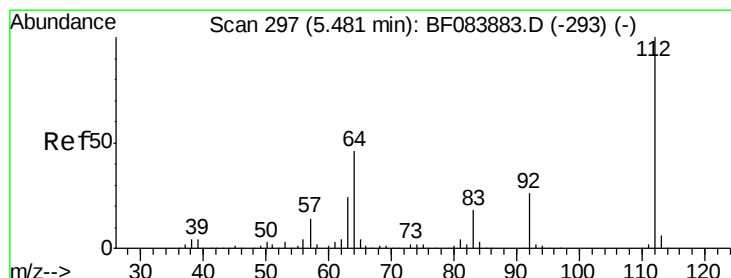
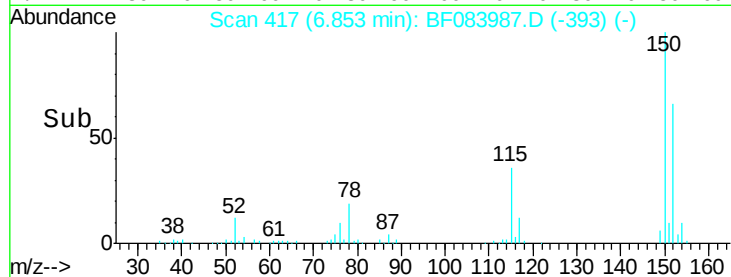
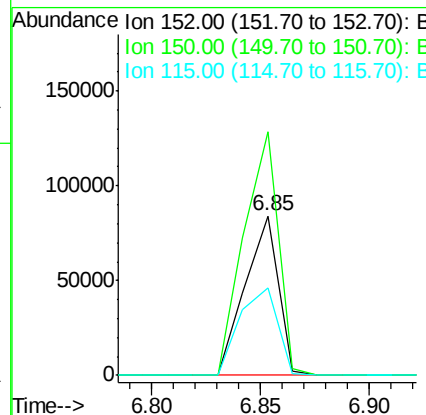
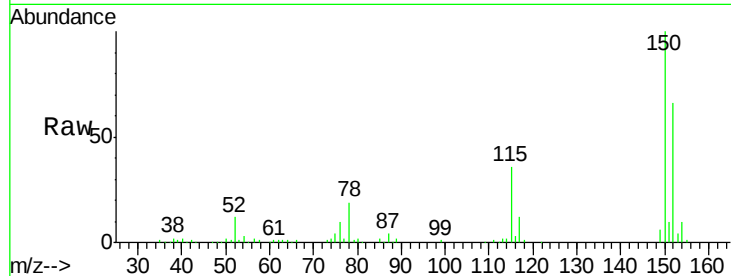
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.85 min Scan# 417
Delta R.T. -0.02 min
Lab File: BF083987.D
Acq: 20 Dec 2015 8:40

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.6	123.0	184.4
115	54.5	51.4	77.2

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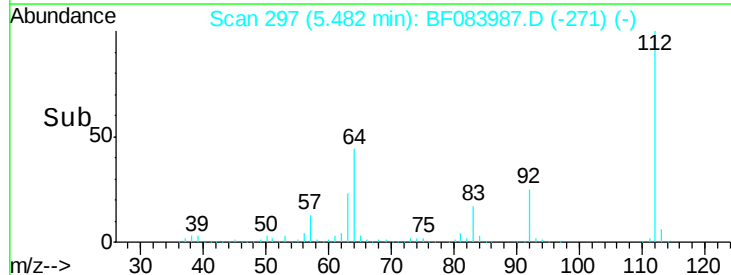
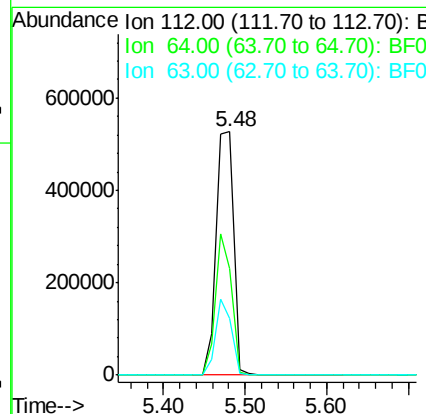
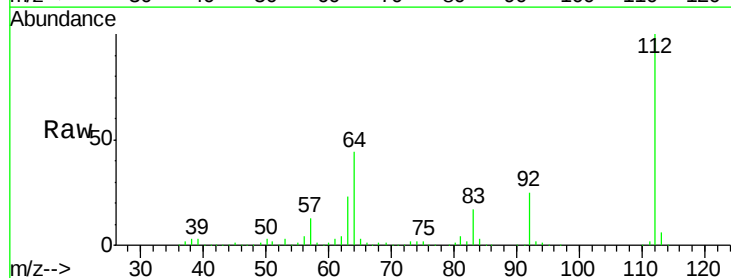
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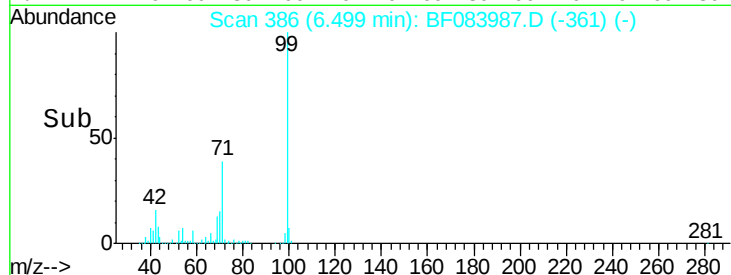
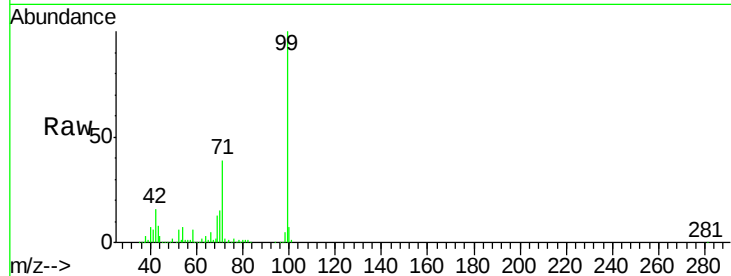
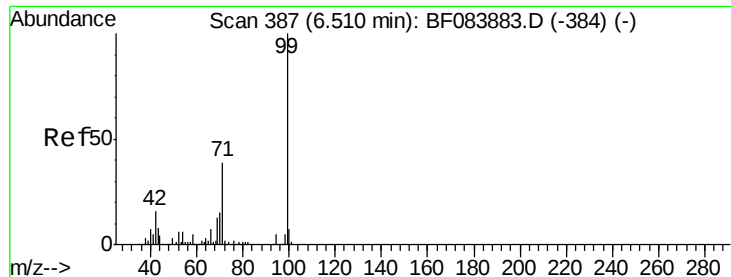


#5

2-Fluorophenol
Concen: 140.07 ng
RT: 5.48 min Scan# 297
Delta R.T. 0.00 min
Lab File: BF083987.D
Acq: 20 Dec 2015 8:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	43.7	36.6	55.0
63	23.2	19.4	29.0





#7

Phenol-d6

Concen: 143.85 ng

RT: 6.50 min Scan# 386

Delta R.T. -0.01 min

Lab File: BF083987.D

Acq: 20 Dec 2015 8:40

Tot Ion: 99 Resp: 1002376

Ion Ratio Lower Upper

99 100

42 16.5 12.8 19.2

71 38.8 30.9 46.3

Instrument :

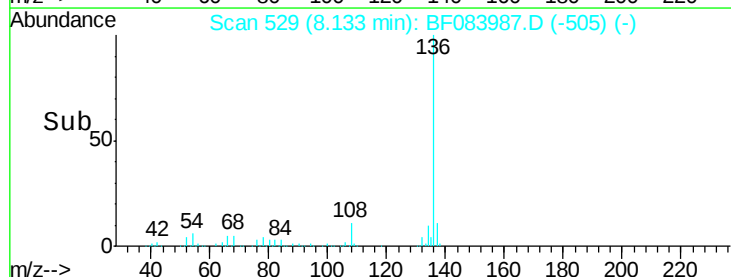
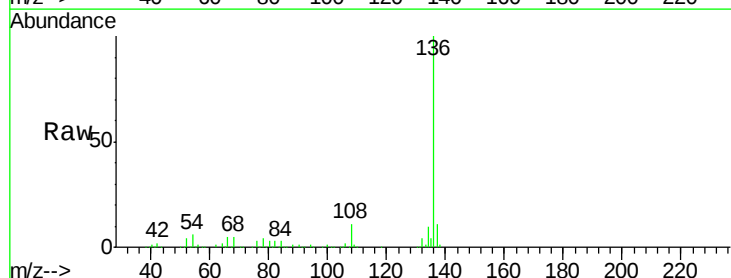
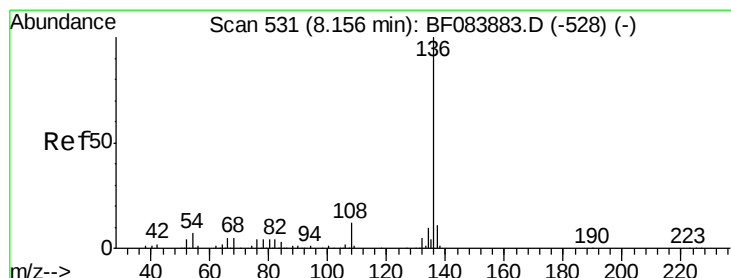
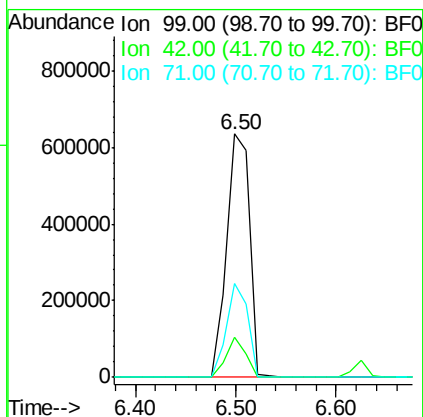
BNA_F

ClientSampleId :

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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: BF083987.D

Acq: 20 Dec 2015 8:40

Tgt Ion: 136 Resp: 356975

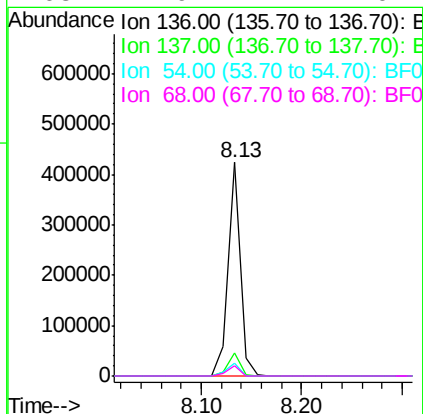
Ion Ratio Lower Upper

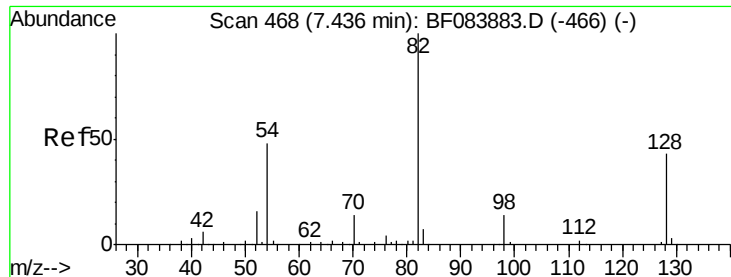
136 100

137 10.8 8.7 13.1

54 6.1 5.8 8.8

68 4.9 4.2 6.2





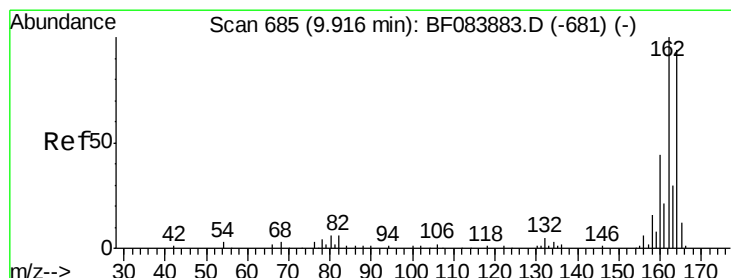
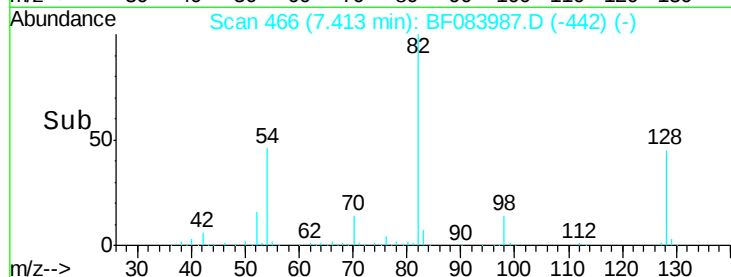
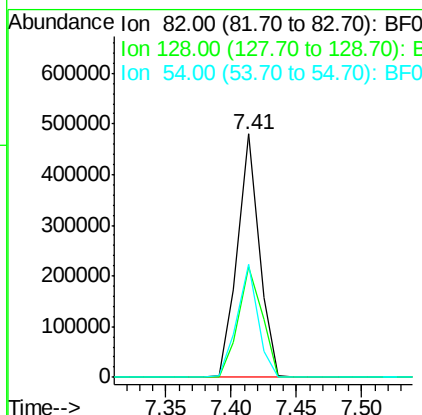
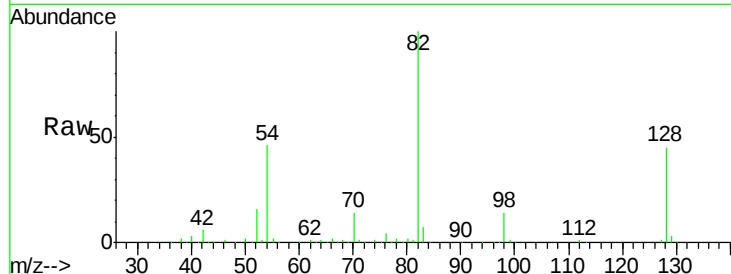
#23
 Nitrobenzene-d5
 Concen: 89.73 ng
 RT: 7.41 min Scan# 466
 Delta R.T. -0.02 min
 Lab File: BF083987.D
 Acq: 20 Dec 2015 8:40

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

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.4	34.6	51.8
54	46.3	38.4	57.6

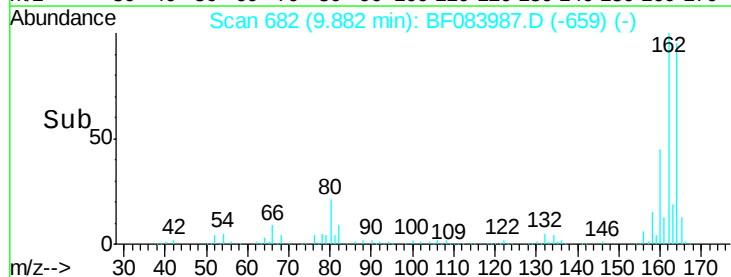
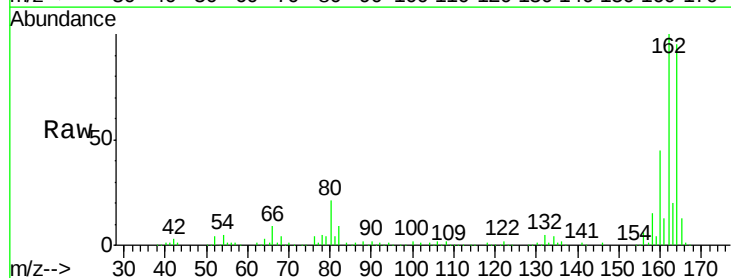
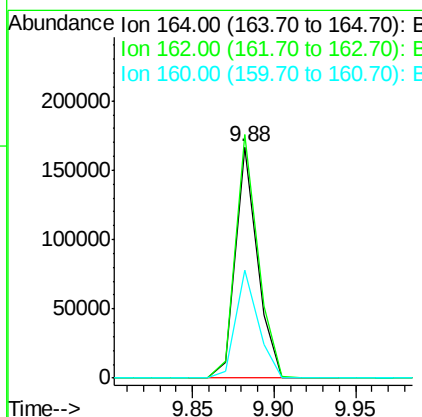
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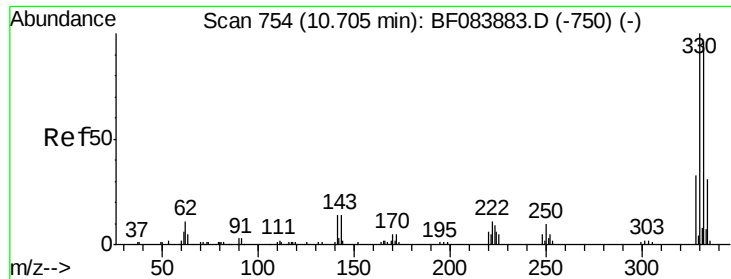
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.88 min Scan# 682
 Delta R.T. -0.03 min
 Lab File: BF083987.D
 Acq: 20 Dec 2015 8:40

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.4	85.1	127.7
160	46.9	37.5	56.3





#41

2,4,6-Tribromophenol

Concen: 155.13 ng

RT: 10.68 min Scan# 752

Delta R.T. -0.02 min

Lab File: BF083987.D

Acq: 20 Dec 2015 8:40

Instrument :

BNA_F

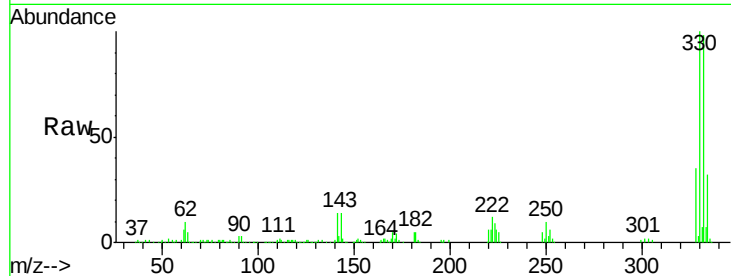
ClientSampleId :

STOCKPILE-2(0-2)

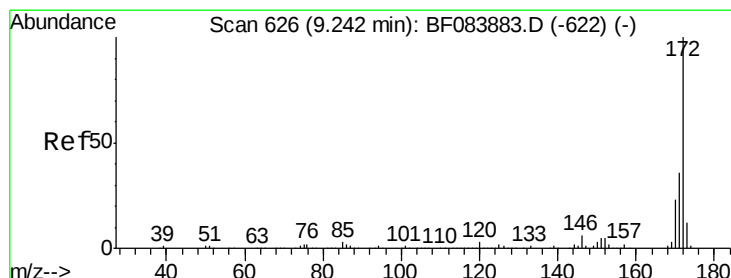
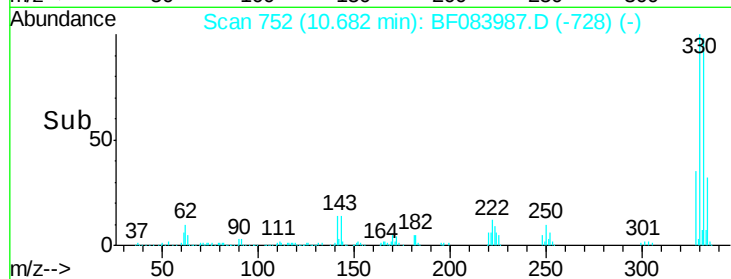
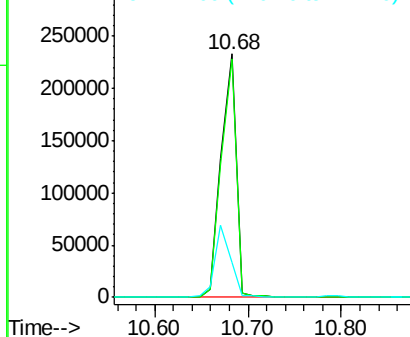
Tot Ion:	330	Resp:	263104
Ion Ratio	Lower	Upper	
330	100		
332	97.2	76.6	114.8
141	30.3	27.8	41.6

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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: 88.26 ng

RT: 9.21 min Scan# 623

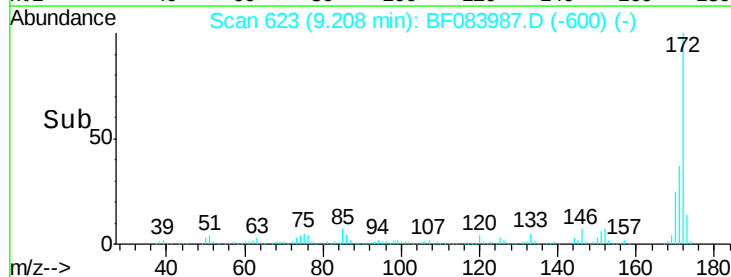
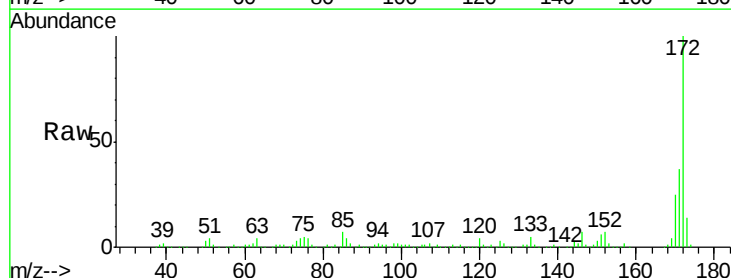
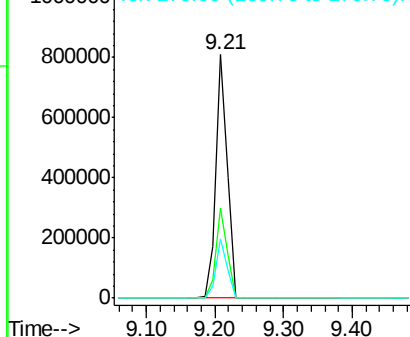
Delta R.T. -0.03 min

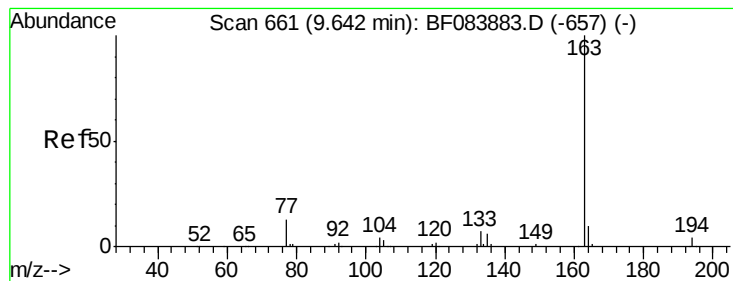
Lab File: BF083987.D

Acq: 20 Dec 2015 8:40

Tgt Ion:	172	Resp:	961827
Ion Ratio	Lower	Upper	
172	100		
171	37.1	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: 22.32 ng

RT: 9.61 min Scan# 658

Delta R.T. -0.03 min

Lab File: BF083987.D

Acq: 20 Dec 2015 8:40

Instrument :

BNA_F

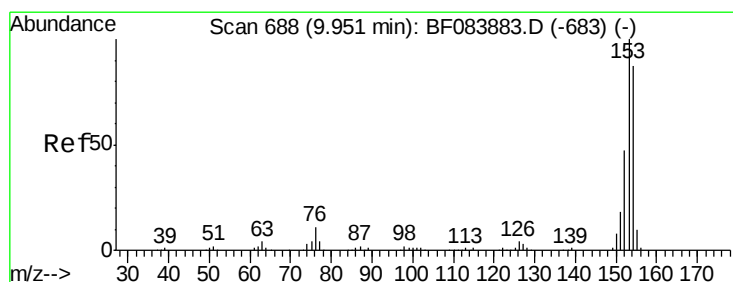
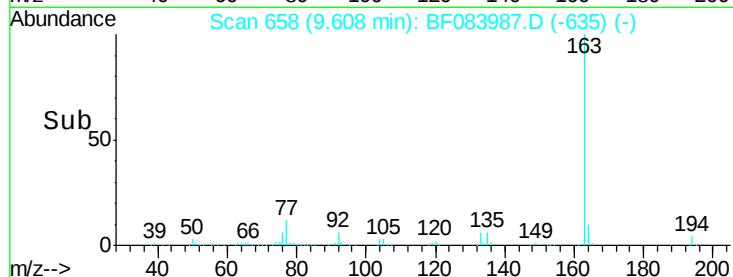
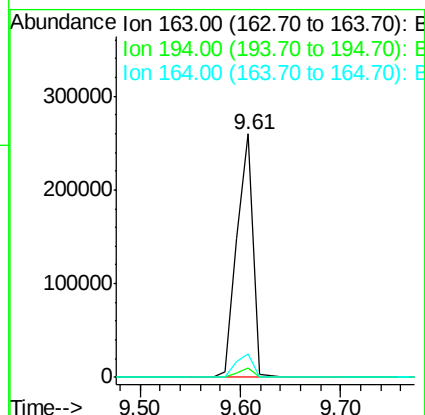
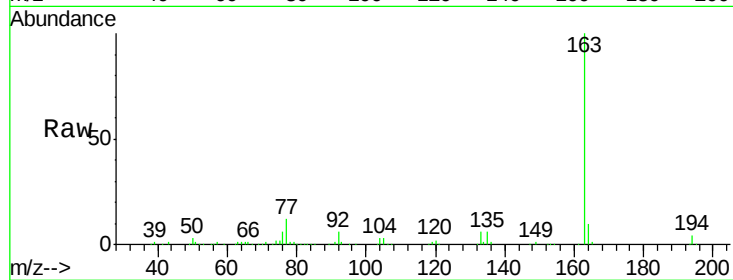
ClientSampleId :

STOCKPILE-2(0-2)

Tot Ion:	163	Resp:	288271
Ion Ratio		Lower	Upper
163	100		
194	3.7	8.0	12.0#
164	9.6	8.0	12.0

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#51

Acenaphthene

Concen: 5.67 ng

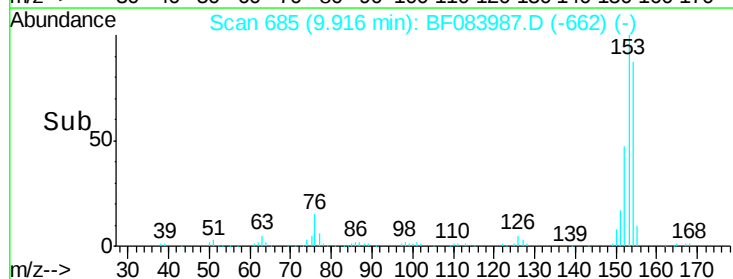
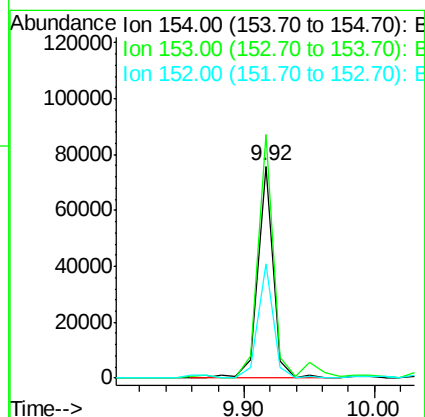
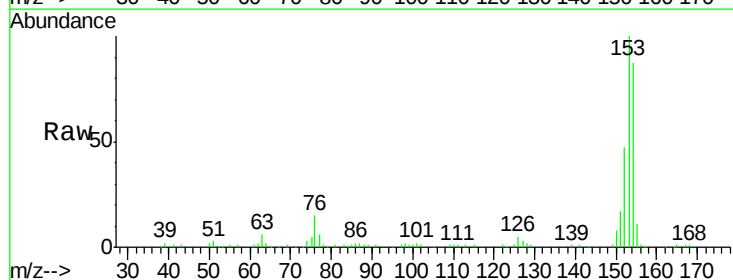
RT: 9.92 min Scan# 685

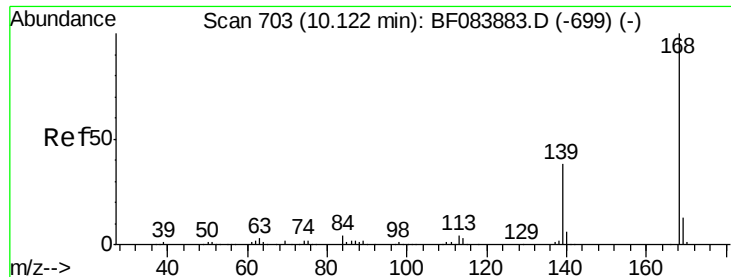
Delta R.T. -0.03 min

Lab File: BF083987.D

Acq: 20 Dec 2015 8:40

Tgt Ion:	154	Resp:	62544
Ion Ratio		Lower	Upper
154	100		
153	115.0	91.5	137.3
152	54.2	43.0	64.6





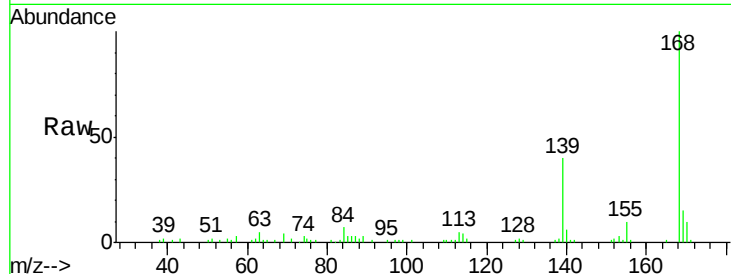
#54
Dibenzenofuran
Concen: 4.26 ng
RT: 10.09 min Scan# 700
Delta R.T. -0.03 min
Lab File: BF083987.D
Acq: 20 Dec 2015 8:40

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

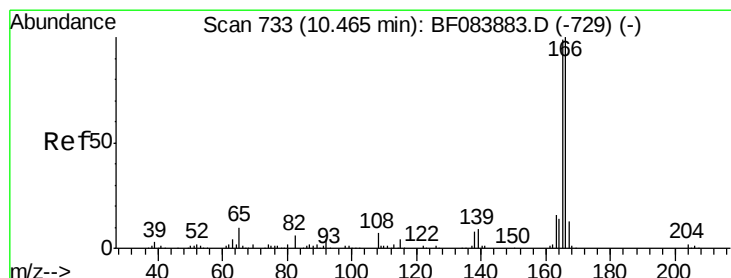
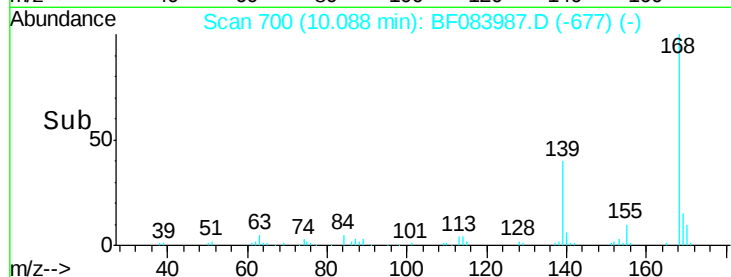
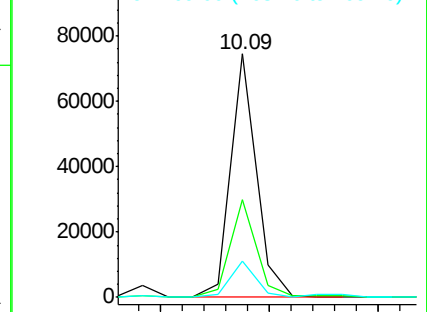
Tot Ion	Ratio	Resp	Lower	Upper
168	100	61097		
139	40.1		30.5	45.7
169	15.0		10.4	15.6

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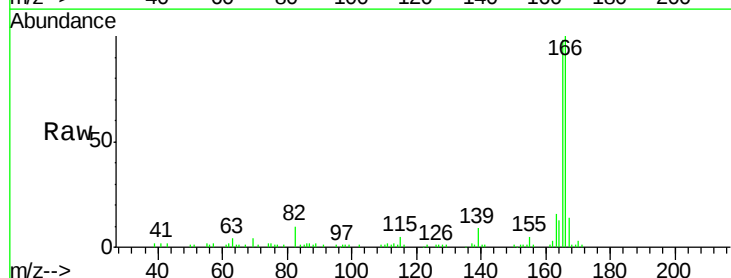


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

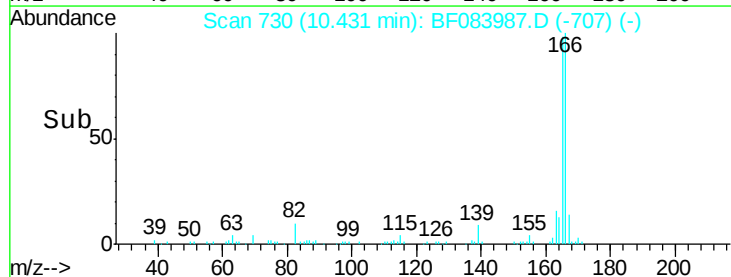
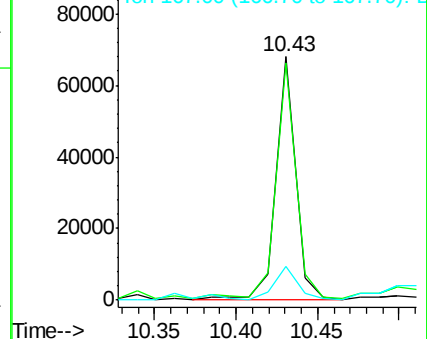


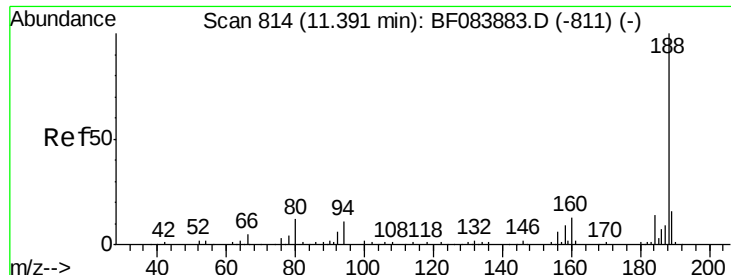
#57
Fluorene
Concen: 2.49 ng
RT: 10.43 min Scan# 730
Delta R.T. -0.03 min
Lab File: BF083987.D
Acq: 20 Dec 2015 8:40

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	58103		
165	97.6		79.1	118.7
167	13.9		10.4	15.6



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





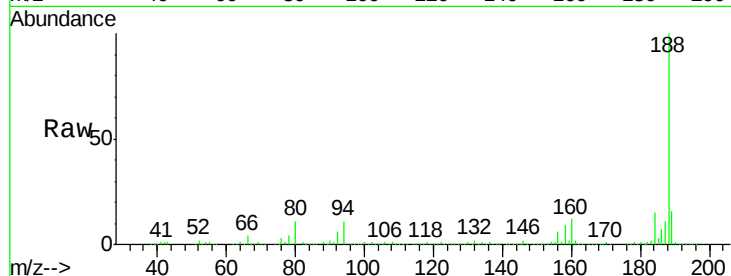
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 812
Delta R.T. -0.02 min
Lab File: BF083987.D
Acq: 20 Dec 2015 8:40

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

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	10.6	9.0	13.4
80	10.9	9.6	14.4

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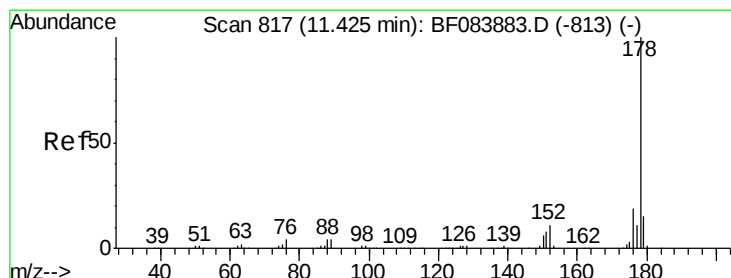
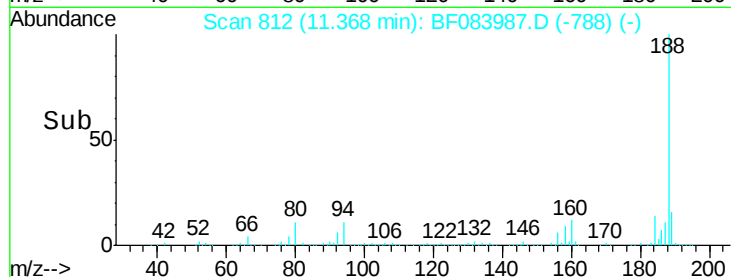
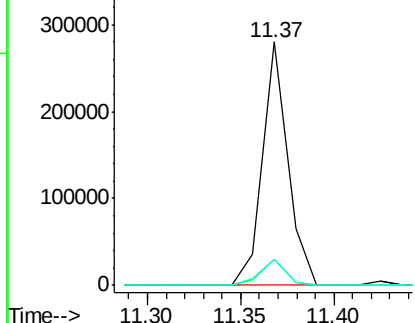
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Abundance Ion 188.00 (187.70 to 188.70): E

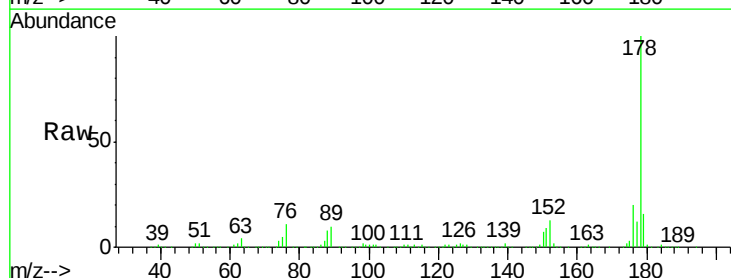
Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#70
Phenanthrene
Concen: 48.65 ng
RT: 11.39 min Scan# 814
Delta R.T. -0.03 min
Lab File: BF083987.D
Acq: 20 Dec 2015 8:40

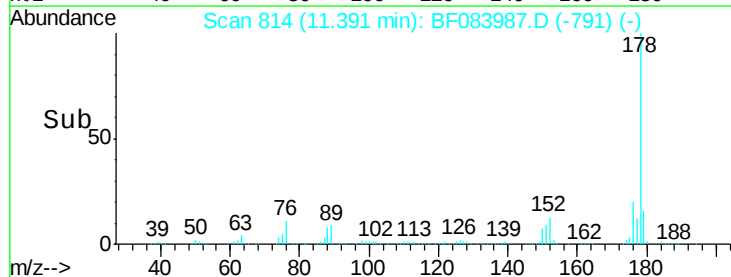
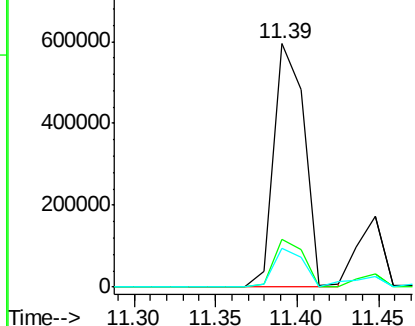
Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.7	15.3	22.9
179	15.8	12.0	18.0

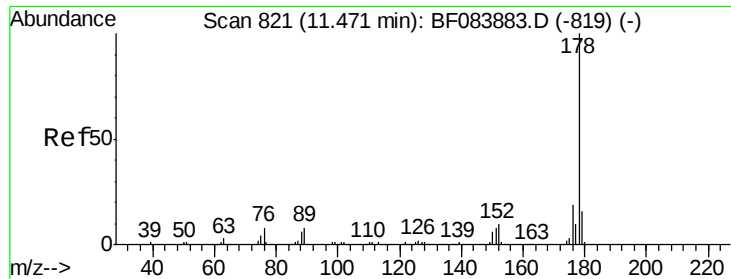


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





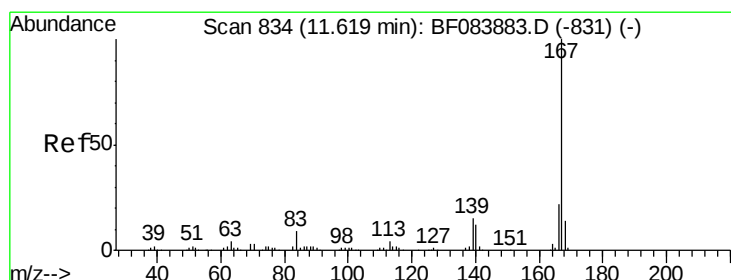
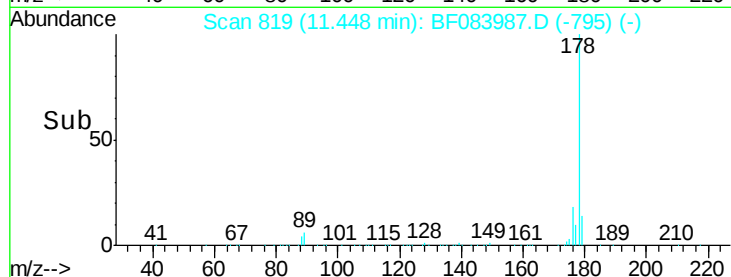
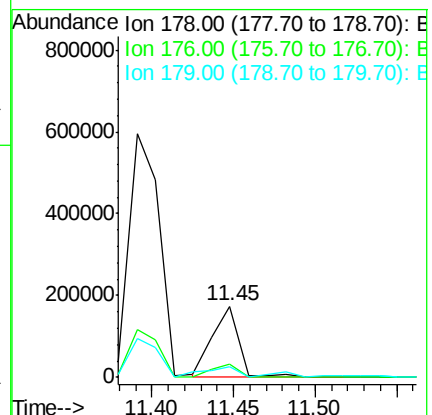
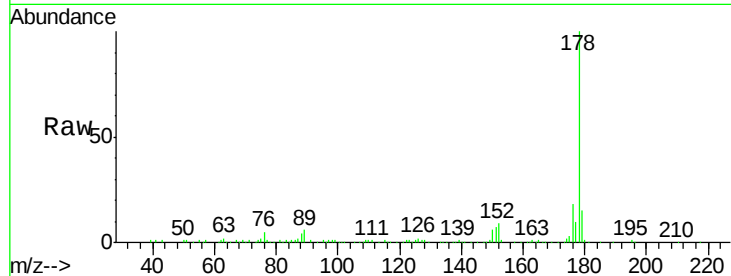
#71
 Anthracene
 Concen: 12.71 ng
 RT: 11.45 min Scan# 819
 Delta R.T. -0.02 min
 Lab File: BF083987.D
 Acq: 20 Dec 2015 8:40

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

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.4	23.0
179	14.7	12.5	18.7

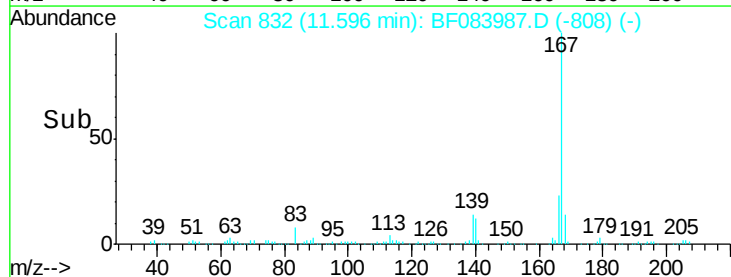
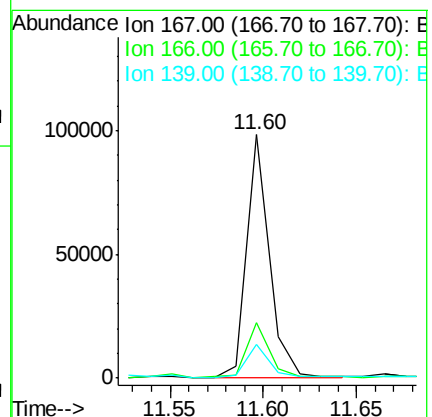
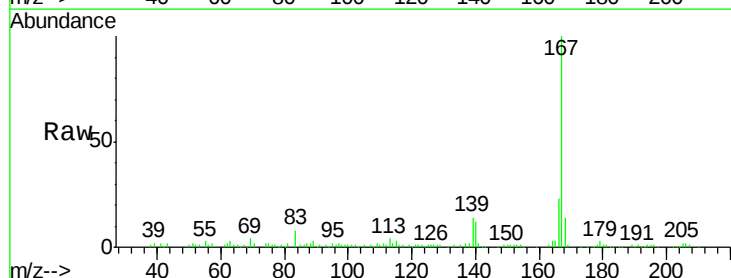
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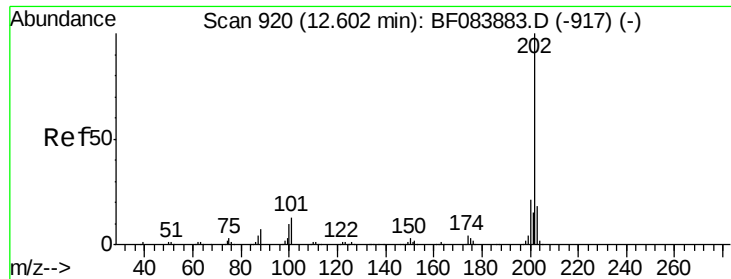
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#72
 Carbazole
 Concen: 5.47 ng
 RT: 11.60 min Scan# 832
 Delta R.T. -0.02 min
 Lab File: BF083987.D
 Acq: 20 Dec 2015 8:40

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.9	17.6	26.4
139	14.0	11.8	17.8





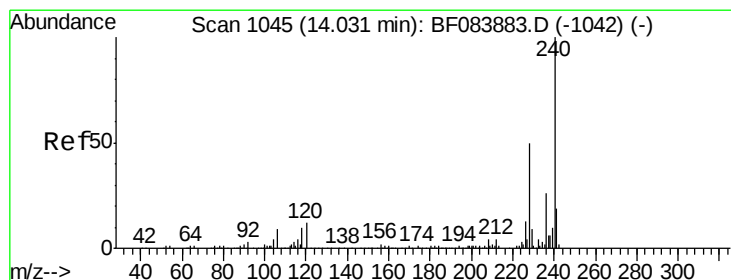
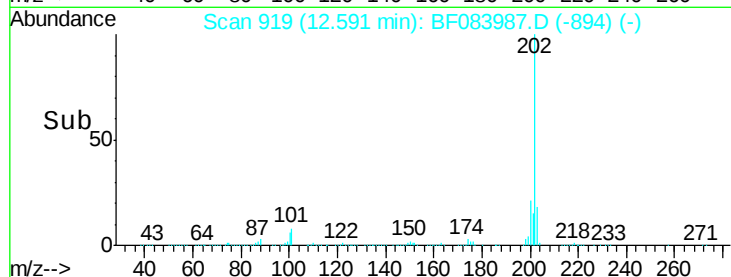
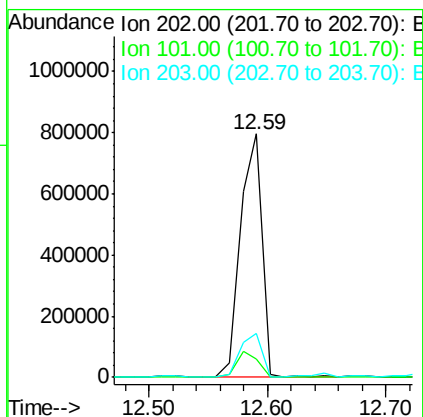
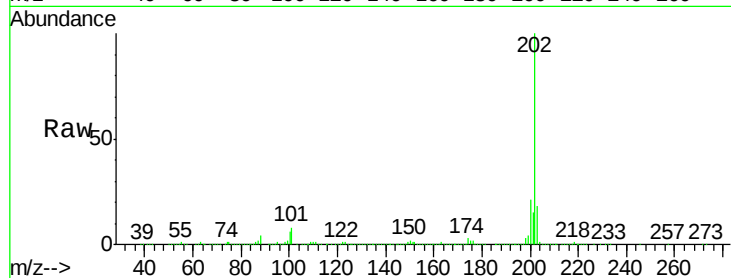
#74
 Fluoranthene
 Concen: 63.19 ng
 RT: 12.59 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: BF083987.D
 Acq: 20 Dec 2015 8:40

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

Tot Ion	Ratio	Lower	Upper
202	100		
101	7.6	0.0	32.8
203	17.9	0.0	37.9

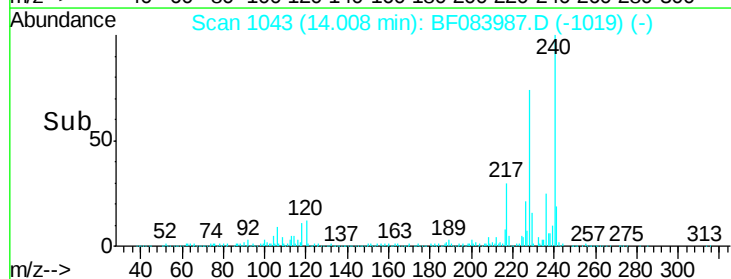
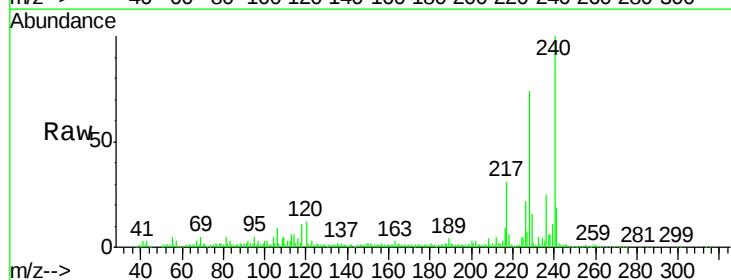
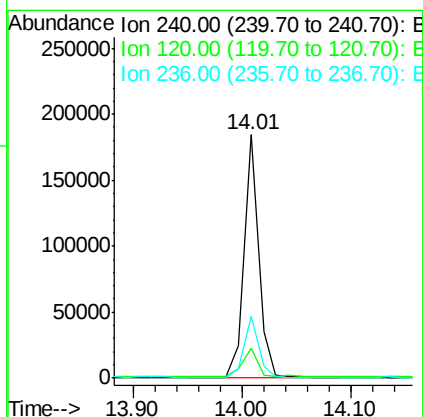
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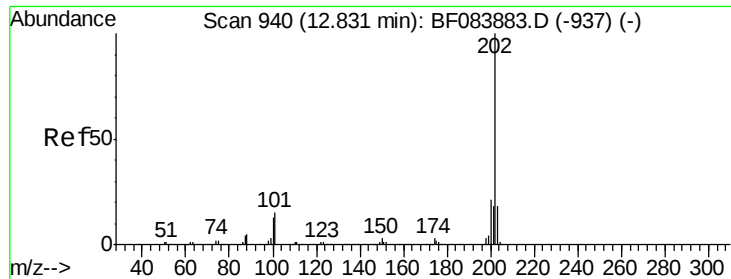
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#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.01 min Scan# 1043
 Delta R.T. -0.02 min
 Lab File: BF083987.D
 Acq: 20 Dec 2015 8:40

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.0	9.5	14.3
236	25.3	20.6	31.0





#77

Pvrene

Concen: 76.20 ng

RT: 12.82 min Scan# 939

Delta R.T. -0.01 min

Lab File: BF083987.D

Acq: 20 Dec 2015 8:40

Instrument :

BNA_F

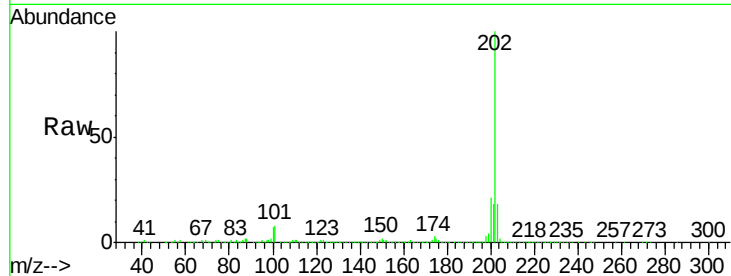
ClientSampleId :

STOCKPILE-2(0-2)

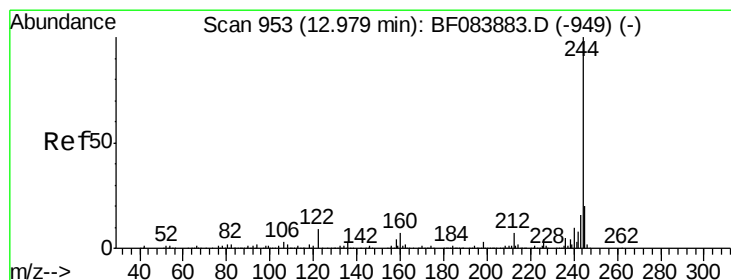
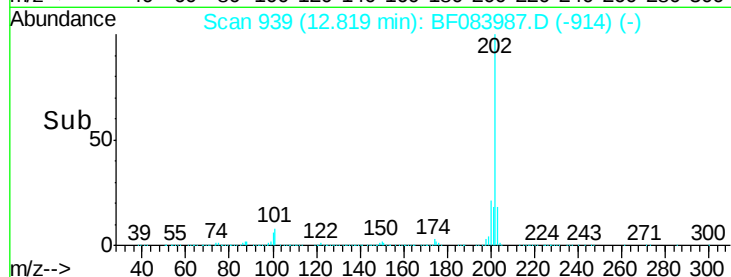
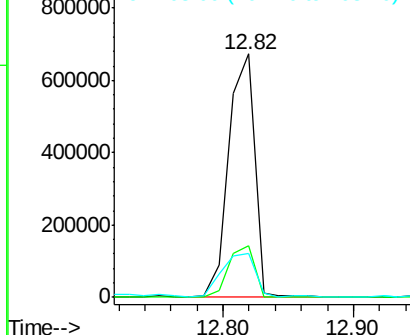
Tot Ion:	202	Resp:	922787
Ion Ratio		Lower	Upper
202	100		
200	21.1	17.2	25.8
203	18.3	14.3	21.5

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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: 110.30 ng

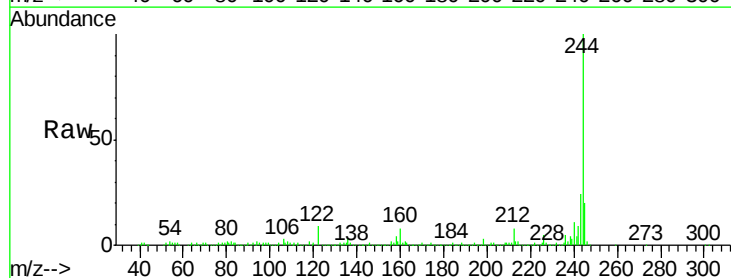
RT: 12.96 min Scan# 951

Delta R.T. -0.02 min

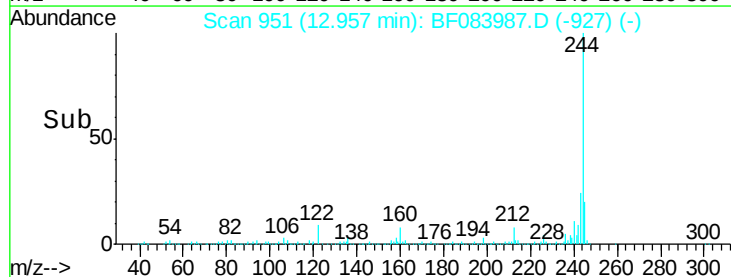
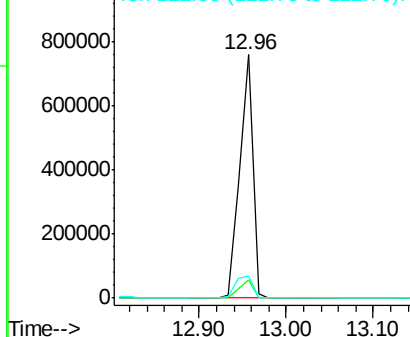
Lab File: BF083987.D

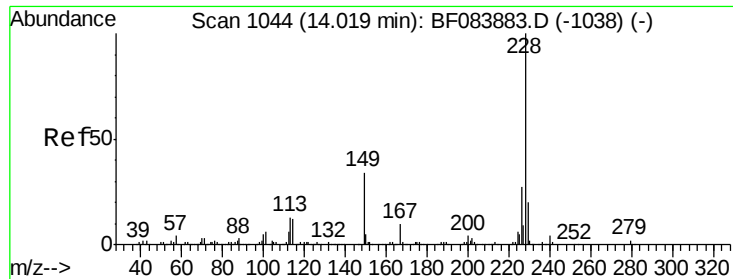
Acq: 20 Dec 2015 8:40

Tgt Ion:	244	Resp:	785522
Ion Ratio		Lower	Upper
244	100		
212	7.5	5.7	8.5
122	9.4	7.4	11.0



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





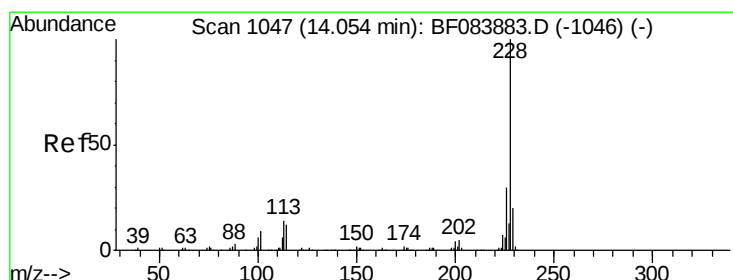
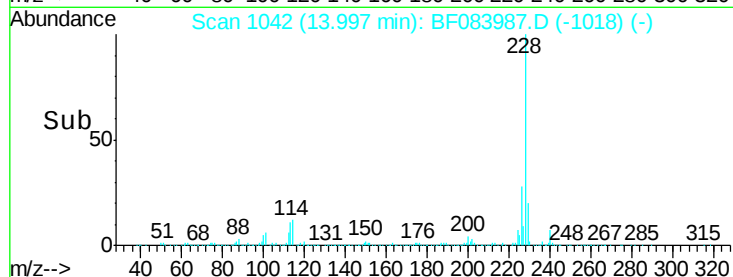
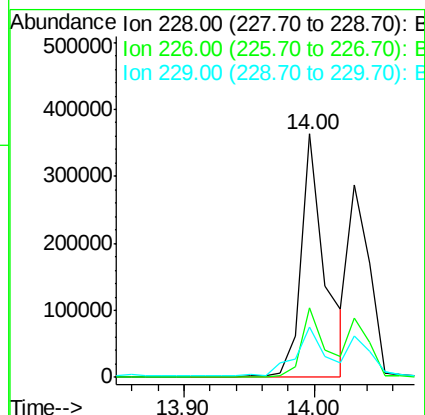
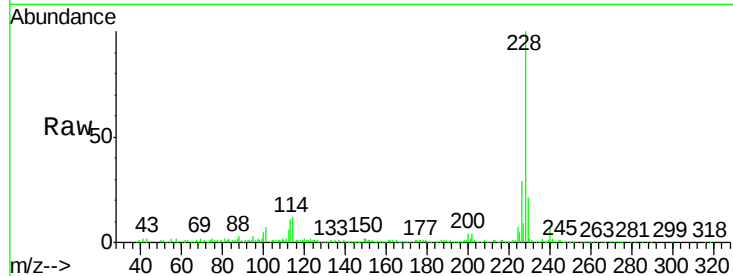
#80
Benzo(a)anthracene
Concen: 44.00 ng
RT: 14.00 min Scan# 1042
Delta R.T. -0.02 min
Lab File: BF083987.D
Acq: 20 Dec 2015 8:40

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.6	21.8	32.6
229	20.8	15.8	23.8

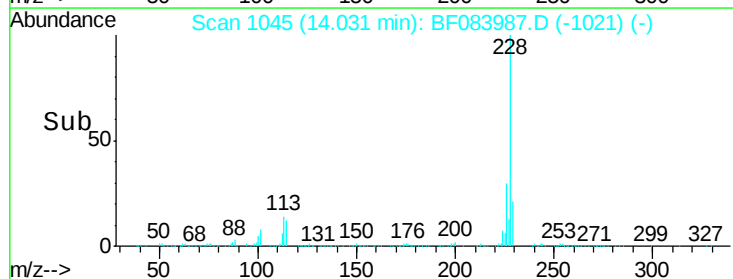
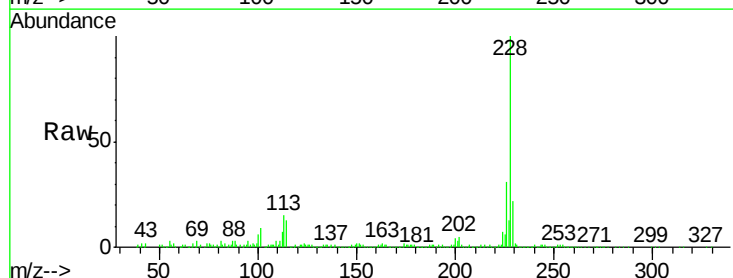
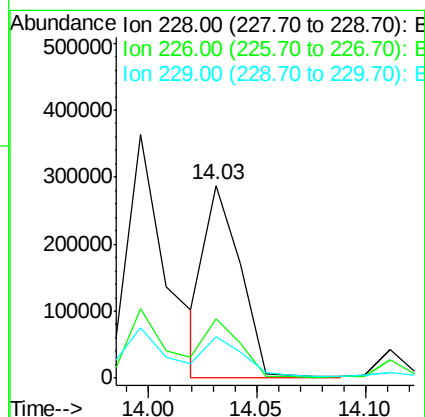
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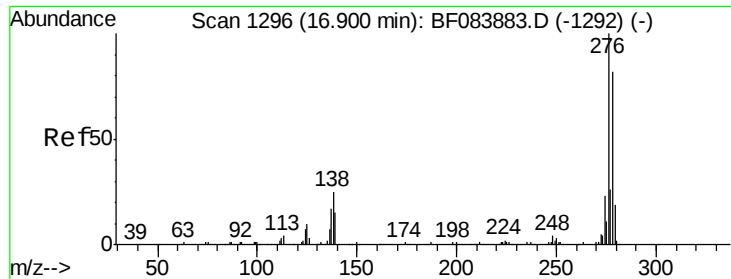
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#82
Chrysene
Concen: 31.81 ng
RT: 14.03 min Scan# 1045
Delta R.T. -0.02 min
Lab File: BF083987.D
Acq: 20 Dec 2015 8:40

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.3	36.5
229	21.8	16.1	24.1





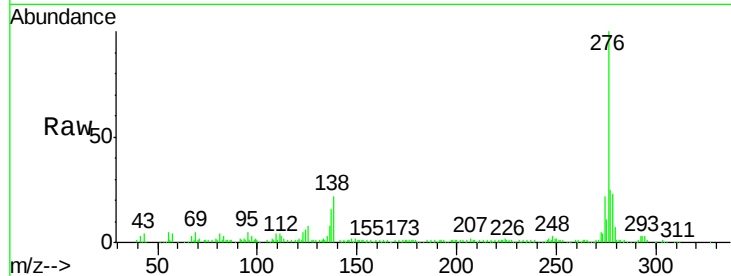
#85
Indeno(1,2,3-cd)pyrene
Concen: 27.70 ng
RT: 16.87 min Scan# 1293
Delta R.T. -0.03 min
Lab File: BF083987.D
Acq: 20 Dec 2015 8:40

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

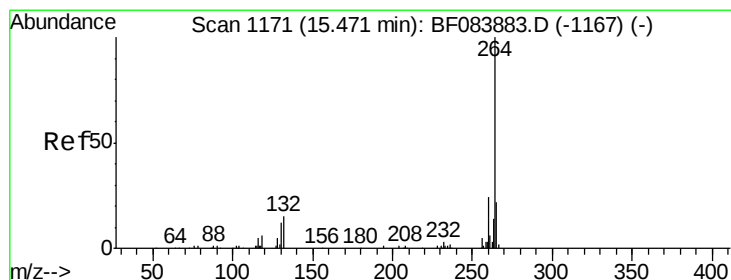
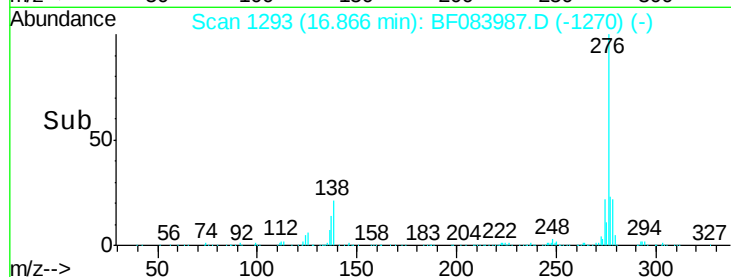
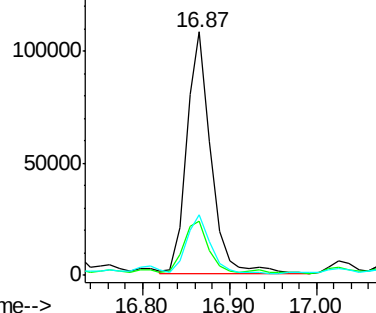
Tot Ion	Ratio	Resp Lower	Upper
276	100		
138	23.3	20.6	30.8
277	23.3	20.1	30.1

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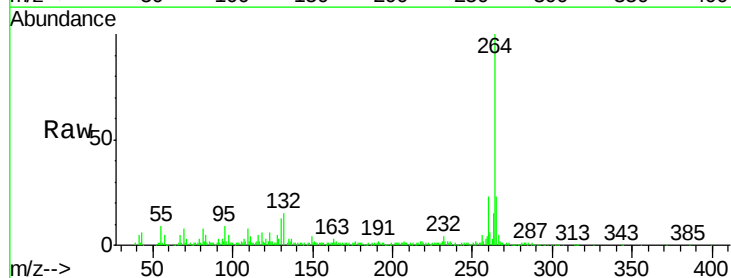


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

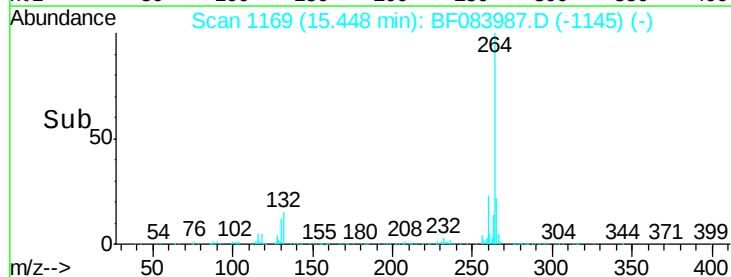
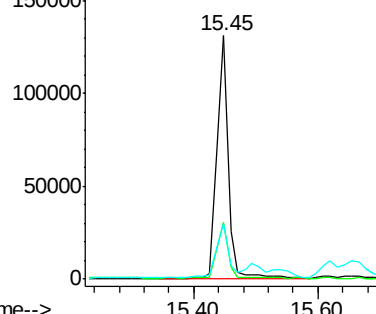


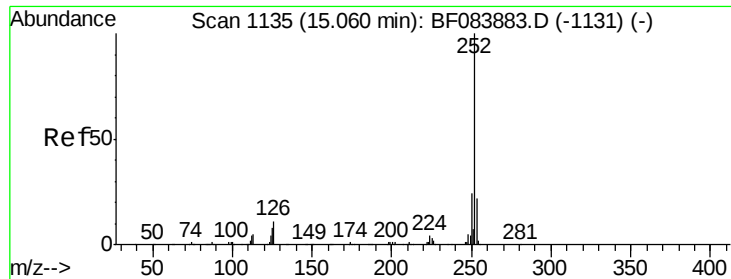
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.45 min Scan# 1169
Delta R.T. -0.02 min
Lab File: BF083987.D
Acq: 20 Dec 2015 8:40

Tgt Ion	Ratio	Resp Lower	Upper
264	100		
260	23.2	19.4	29.2
265	22.7	17.8	26.6



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 36.58 ng m

RT: 15.04 min Scan# 1133

Delta R.T. -0.02 min

Lab File: BF083987.D

Acq: 20 Dec 2015 8:40

Instrument :

BNA_F

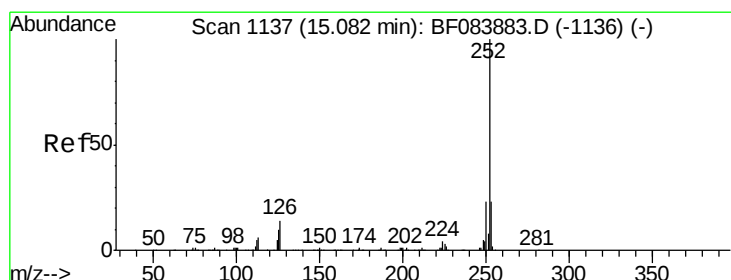
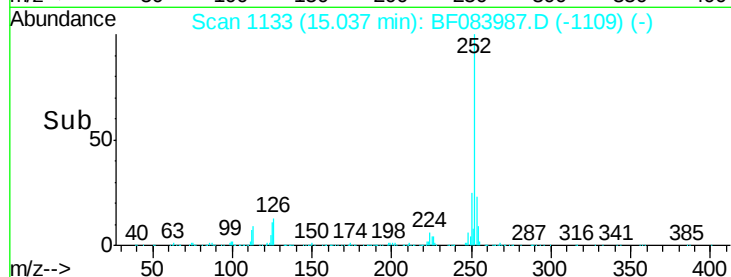
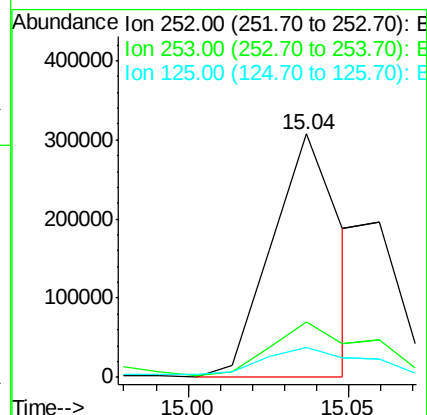
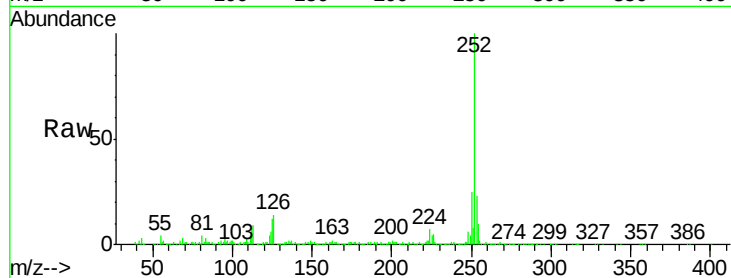
ClientSampleId :

STOCKPILE-2(0-2)

Tot Ion:	252	Resp:	459804
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.3	25.9
125	12.2	6.5	9.7#

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#88

Benzo(k)fluoranthene

Concen: 16.75 ng m

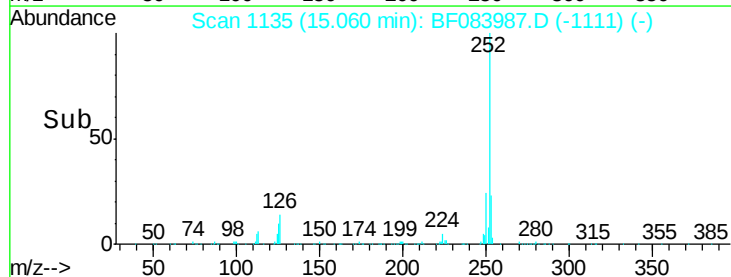
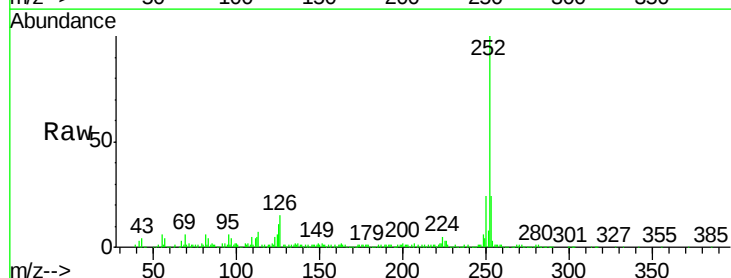
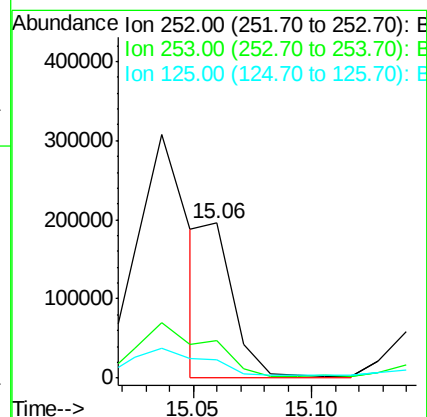
RT: 15.06 min Scan# 1135

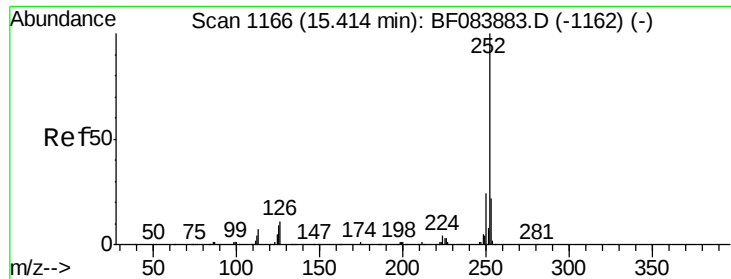
Delta R.T. -0.02 min

Lab File: BF083987.D

Acq: 20 Dec 2015 8:40

Tgt Ion:	252	Resp:	173714
Ion Ratio	Lower	Upper	
252	100		
253	23.9	18.1	27.1
125	11.5	9.0	13.6





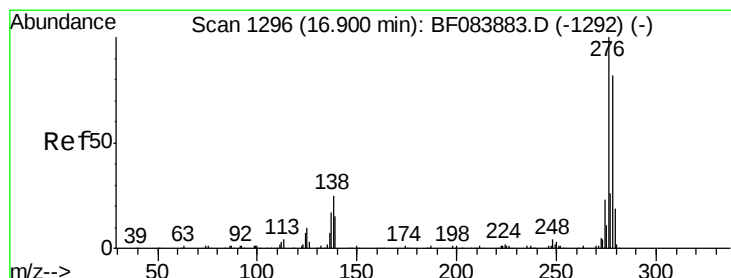
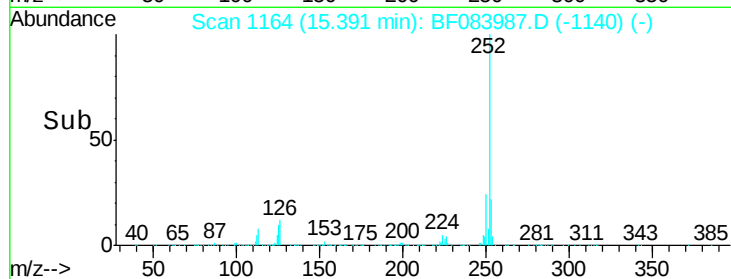
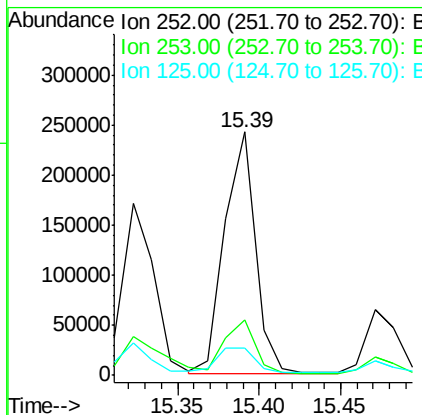
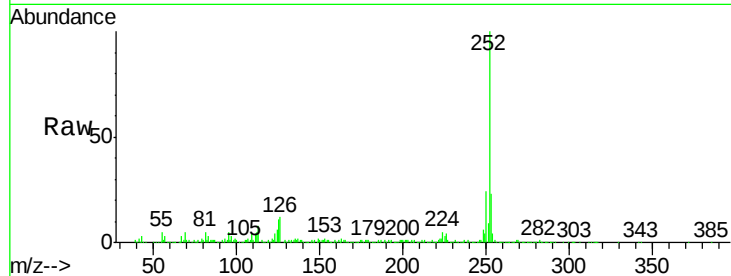
#89
Benzo(a)pyrene
Concen: 30.56 ng
RT: 15.39 min Scan# 1164
Delta R.T. -0.02 min
Lab File: BF083987.D
Acq: 20 Dec 2015 8:40

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

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	22.7	17.3	25.9
125	11.1	7.0	10.4

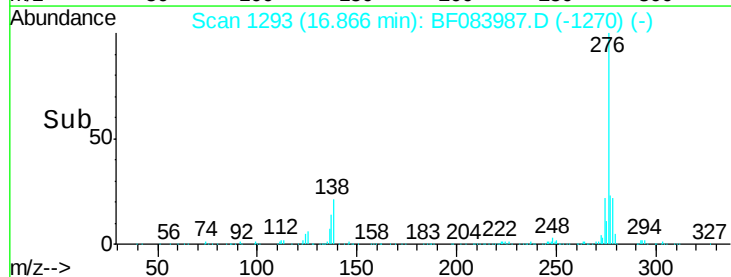
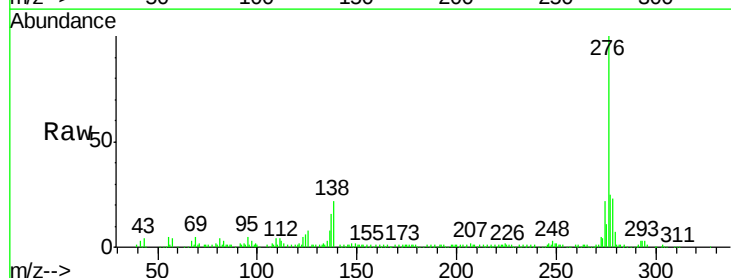
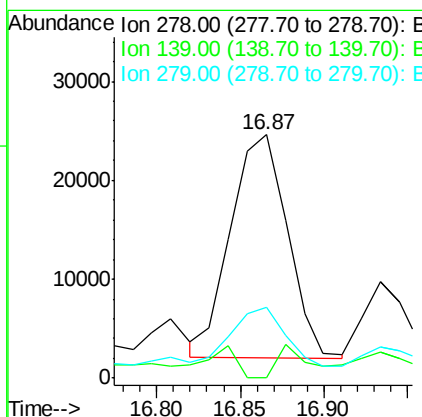
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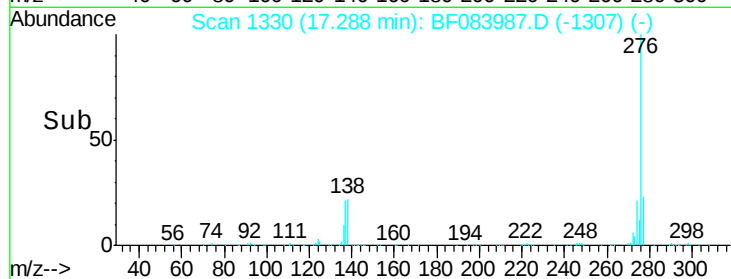
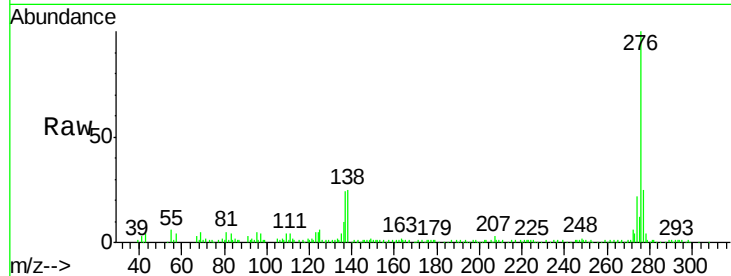
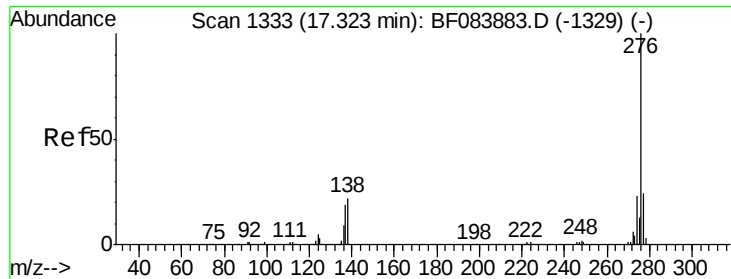
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#90
Dibenzo(a,h)anthracene
Concen: 6.57 ng m
RT: 16.87 min Scan# 1293
Delta R.T. -0.03 min
Lab File: BF083987.D
Acq: 20 Dec 2015 8:40

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	0.0	15.0	22.4
279	29.0	18.9	28.3





#91
 Benzo(a,h,i)perylene
 Concen: 23.65 ng
 RT: 17.29 min Scan# 1330
 Delta R.T. -0.03 min
 Lab File: BF083987.D
 Acq: 20 Dec 2015 8:40

Tot Ion:	276	Resp:	187211
Ion Ratio	Lower	Upper	
276	100		
277	24.7	18.8	28.2
138	24.6	17.8	26.6

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

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