

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112515\
 Data File : BF083285.D
 Acq On : 25 Nov 2015 20:51
 Operator : UM/IZ
 Sample : G4567-01 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 STOCKPILE-COMPOSITE1

Manual Integrations
 APPROVED

mmdadoda
 11/26/2015 6:43:41 PM

Quant Time: Nov 26 03:47:25 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	162302	20.00	ng	-0.08
21) Naphthalene-d8	7.87	136	613943	20.00	ng	-0.08
38) Acenaphthene-d10	9.62	164	301625	20.00	ng	-0.08
63) Phenanthrene-d10	11.10	188	536022	20.00	ng	-0.08
75) Chrysene-d12	13.73	240	431079	20.00	ng	-0.08
86) Perylene-d12	15.07	264	414616	20.00	ng	-0.09
System Monitoring Compounds						
5) 2-Fluorophenol	5.18	112	265524	24.73	ng	-0.10
7) Phenol-d6	6.25	99	376024	27.07	ng	-0.09
23) Nitrobenzene-d5	7.15	82	245507	18.27	ng	-0.08
41) 2,4,6-Tribromophenol	10.41	330	72908	23.63	ng	-0.08
44) 2-Fluorobiphenyl	8.96	172	343660	15.89	ng	-0.07
78) Terphenyl-d14	12.69	244	284803	15.56	ng	-0.08
Target Compounds						Qvalue
31) Naphthalene	7.90	128	466771	14.09	ng	99
37) 2-Methylnaphthalene	8.59	142	173455	8.07	ng	95
48) Acenaphthylene	9.48	152	698887	22.36	ng	99
49) Dimethylphthalate	9.36	163	91746	3.95	ng	99
51) Acenaphthene	9.66	154	289941	15.25	ng	99
57) Fluorene	10.17	166	342401	15.41	ng	96
70) Phenanthrene	11.13	178	1560756	50.54	ng	100
71) Anthracene	11.18	178	645122	20.47	ng	99
74) Fluoranthene	12.31	202	1410117	44.62	ng	98
77) Pyrene	12.54	202	2277503	77.33	ng	97
80) Benzo(a)anthracene	13.71	228	794670m	29.81	ng	
82) Chrysene	13.75	228	815025m	32.96	ng	
85) Indeno(1,2,3-cd)pyrene	16.30	276	382730	17.02	ng	98
87) Benzo(b)fluoranthene	14.72	252	581550m	20.53	ng	
88) Benzo(k)fluoranthene	14.72	252	347461m	16.46	ng	
89) Benzo(a)pyrene	15.03	252	732423	31.31	ng	# 96
90) Dibenzo(a,h)anthracene	16.31	278	98119m	4.62	ng	
91) Benzo(g,h,i)perylene	16.66	276	410431	19.79	ng	# 92

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

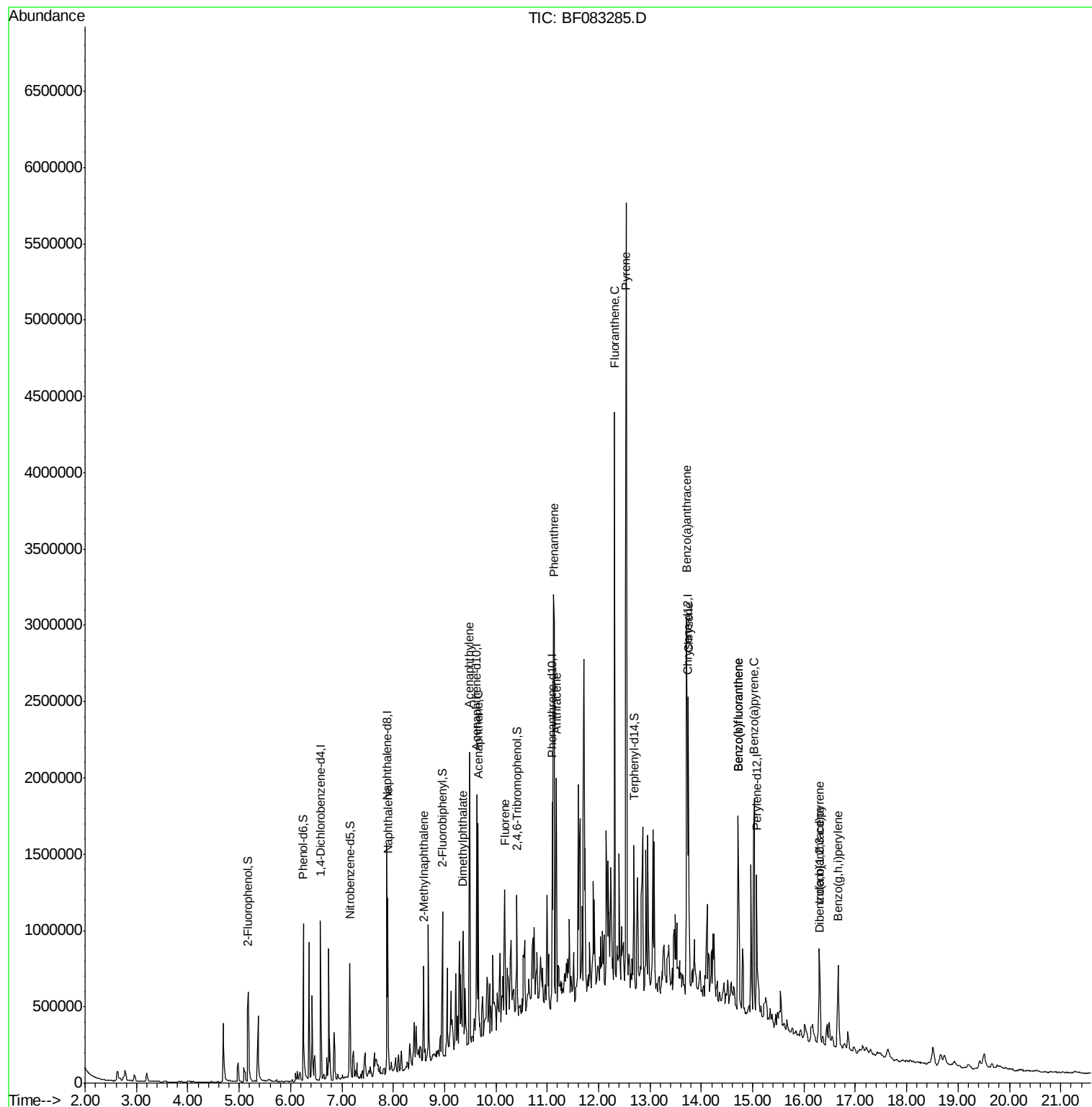
Data Path : Z:\HPCHEM1\BNA F\DATA\BF112515\
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Quant Time: Nov 26 03:47:25 2015
Quant Method : Z:\HPCHEM1\BNA F\Methods\8270-BF112115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

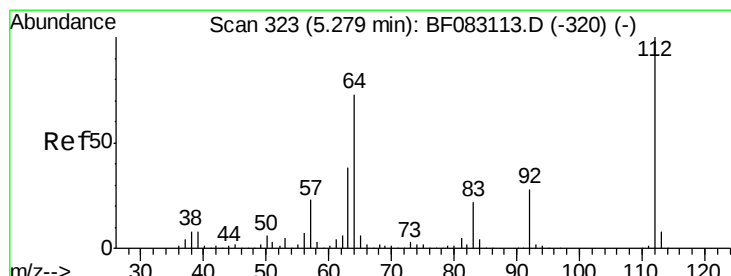
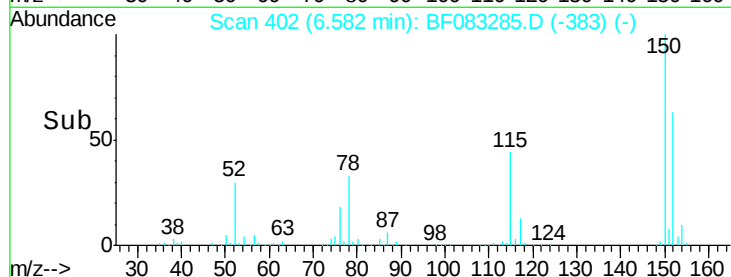
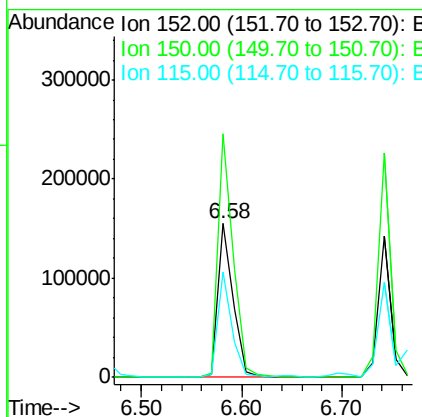
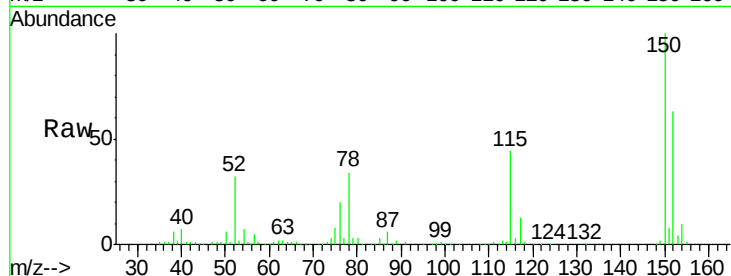
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.58 min Scan# 402
Delta R.T. -0.08 min
Lab File: BF083285.D
Acq: 25 Nov 2015 20:51

Instrument :
BNA_F
ClientSampleId :
STOCKPILE-COMPOSITE1

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.7	125.8	188.8
115	69.1	46.9	70.3

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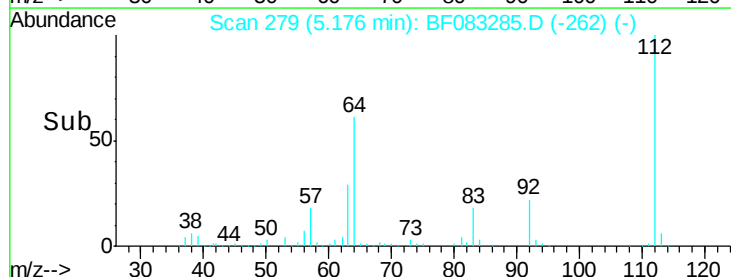
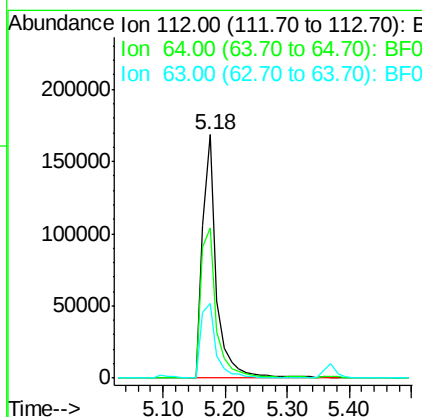
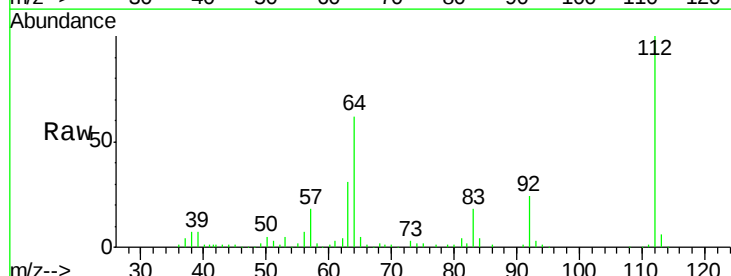
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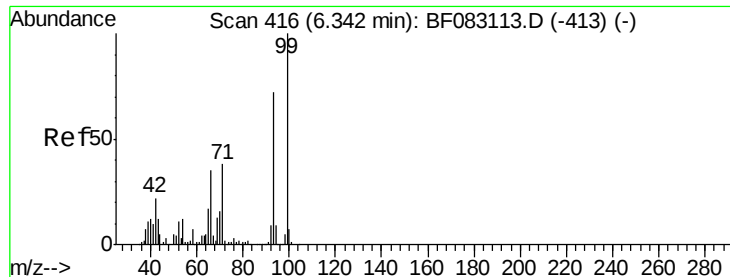


#5

2-Fluorophenol
Concen: 24.73 ng
RT: 5.18 min Scan# 279
Delta R.T. -0.10 min
Lab File: BF083285.D
Acq: 25 Nov 2015 20:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.7	58.4	87.6
63	30.5	30.0	45.0





#7

Phenol-d6

Concen: 27.07 ng

RT: 6.25 min Scan# 373

Delta R.T. -0.09 min

Lab File: BF083285.D

Acq: 25 Nov 2015 20:51

Instrument :

BNA_F

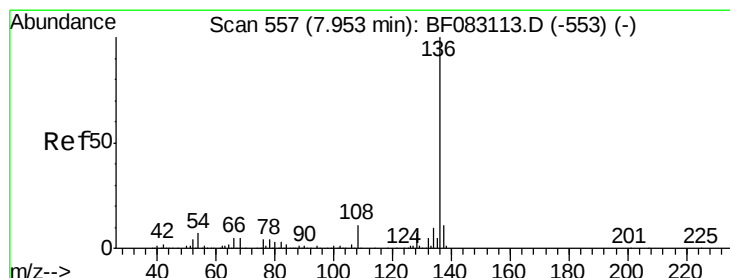
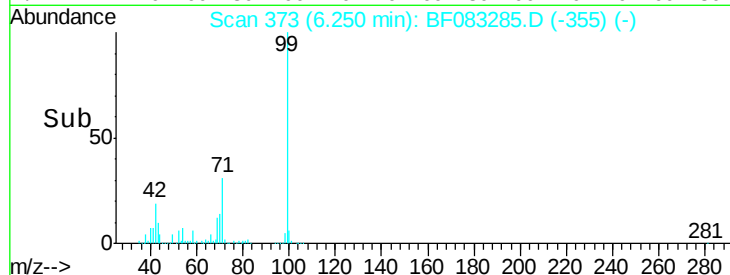
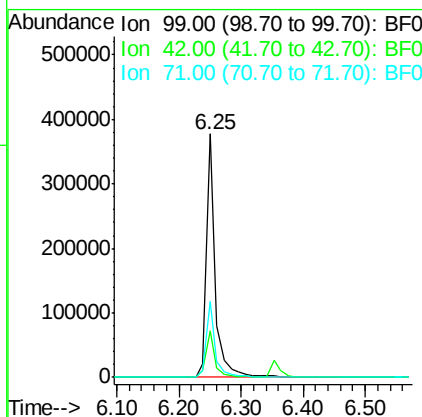
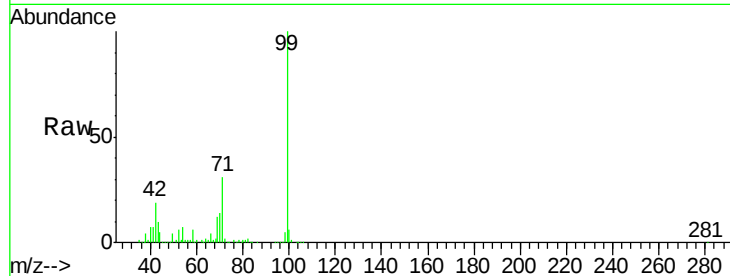
ClientSampleId :

STOCKPILE-COMPOSITE1

Tot Ion:	99	Resp:	376024
Ion Ratio	Lower	Upper	
99	100		
42	18.9	17.7	26.5
71	31.0	30.2	45.4

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#21

Naphthalene-d8

Concen: 20.00 ng

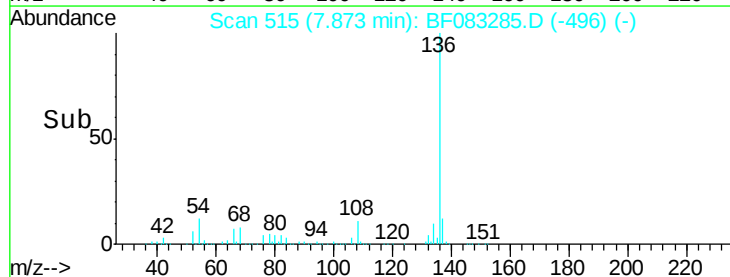
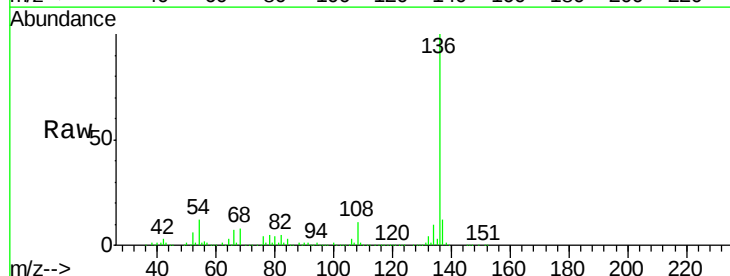
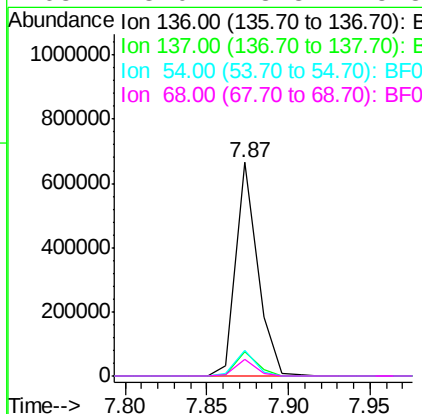
RT: 7.87 min Scan# 515

Delta R.T. -0.08 min

Lab File: BF083285.D

Acq: 25 Nov 2015 20:51

Tgt Ion:	136	Resp:	613943
Ion Ratio	Lower	Upper	
136	100		
137	11.7	8.7	13.1
54	12.0	5.8	8.6#
68	8.0	3.8	5.8#





#23

Nitrobenzene-d5

Concen: 18.27 ng

RT: 7.15 min Scan# 452

Delta R.T. -0.08 min

Lab File: BF083285.D

Acq: 25 Nov 2015 20:51

Instrument :

BNA_F

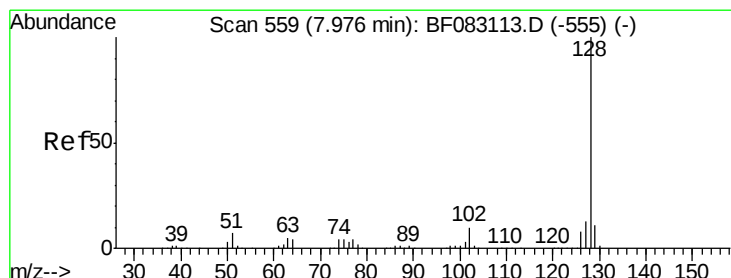
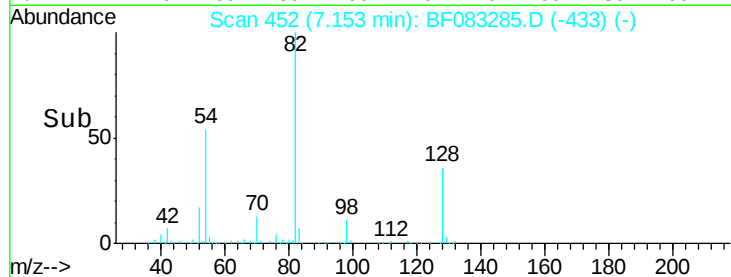
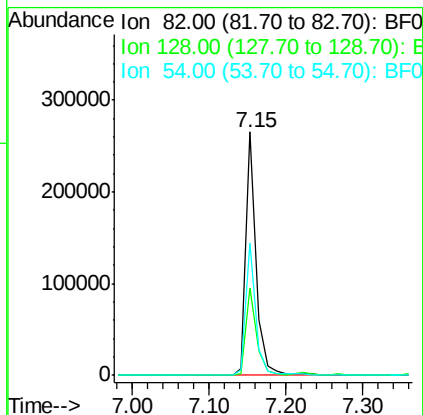
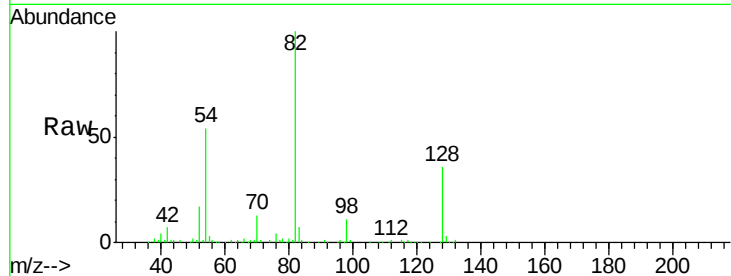
ClientSampleId :

STOCKPILE-COMPOSITE1

Tot Ion:	82	Resp:	245507
Ion Ratio	Lower	Upper	
82	100		
128	35.8	28.5	42.7
54	54.4	44.6	67.0

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#31

Naphthalene

Concen: 14.09 ng

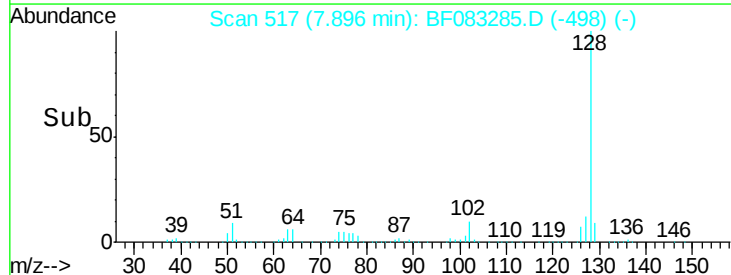
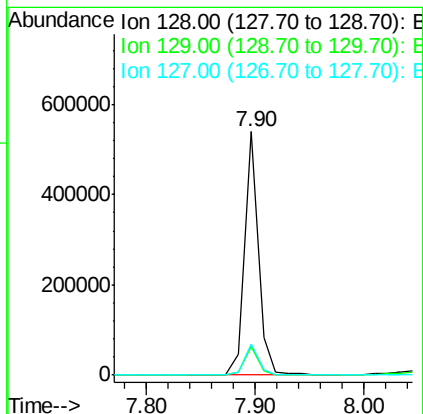
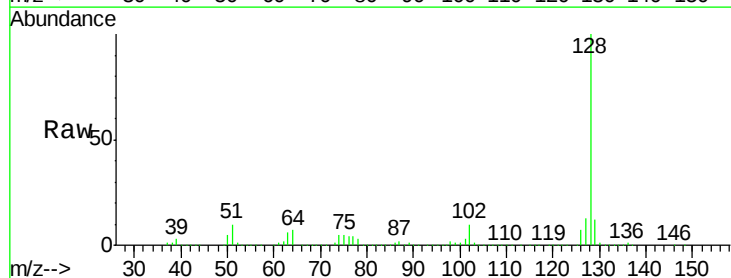
RT: 7.90 min Scan# 517

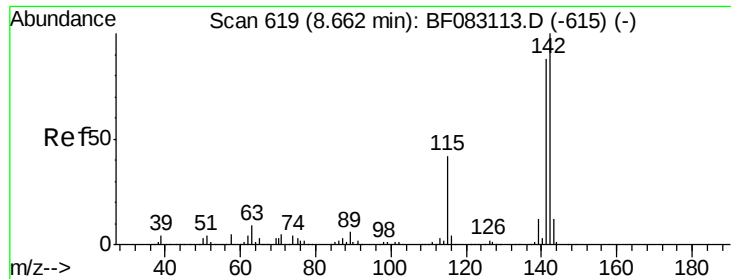
Delta R.T. -0.08 min

Lab File: BF083285.D

Acq: 25 Nov 2015 20:51

Tgt Ion:	128	Resp:	466771
Ion Ratio	Lower	Upper	
128	100		
129	11.5	9.0	13.4
127	12.9	10.6	15.8





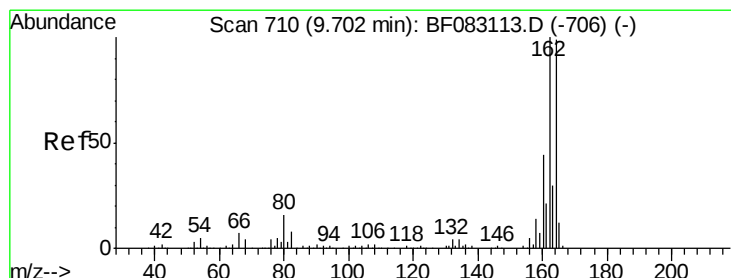
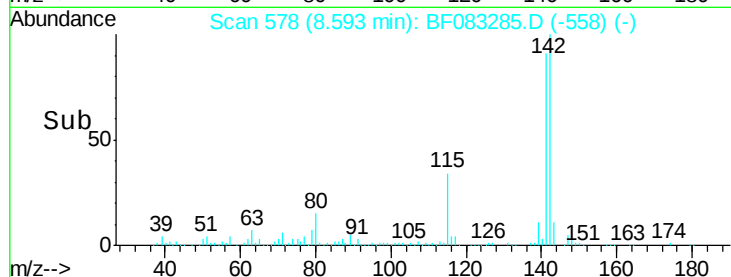
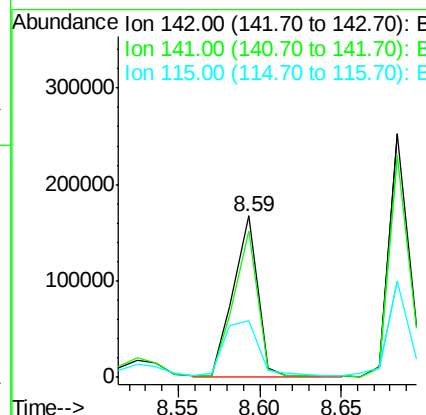
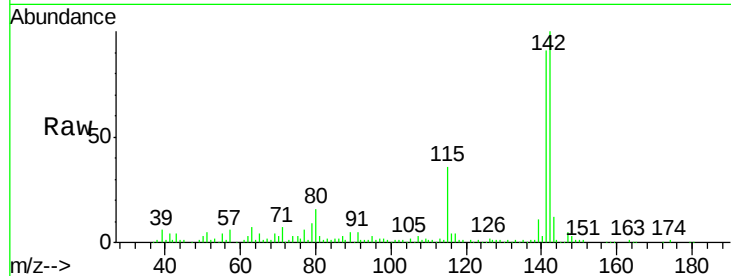
#37
2-Methylnaphthalene
Concen: 8.07 ng
RT: 8.59 min Scan# 578
Delta R.T. -0.07 min
Lab File: BF083285.D
Acq: 25 Nov 2015 20:51

Instrument :
BNA_F
ClientSampleId :
STOCKPILE-COMPOSITE1

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.9	70.3	105.5
115	35.5	33.4	50.2

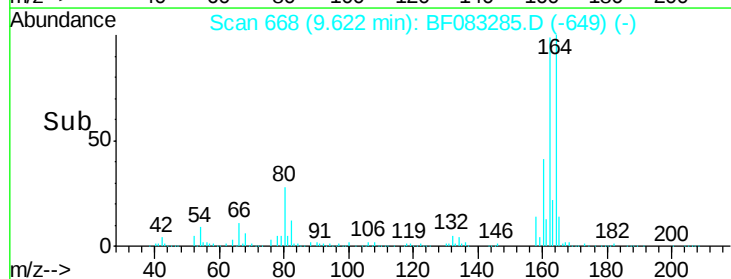
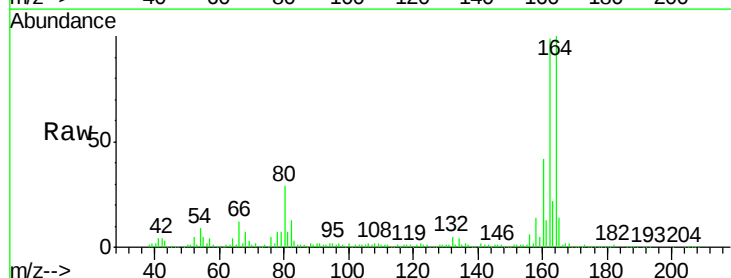
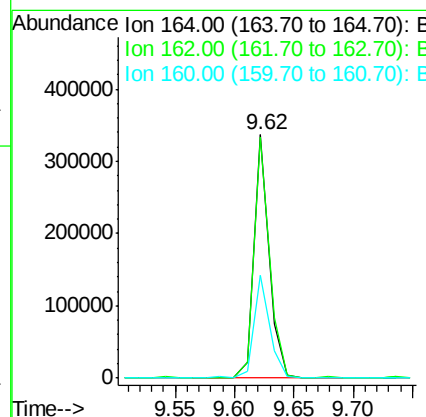
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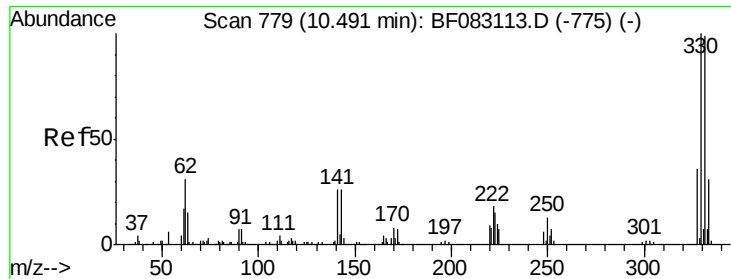
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.62 min Scan# 668
Delta R.T. -0.08 min
Lab File: BF083285.D
Acq: 25 Nov 2015 20:51

Tgt Ion	Ratio	Lower	Upper
164	100		
162	98.8	81.2	121.8
160	42.2	35.6	53.4





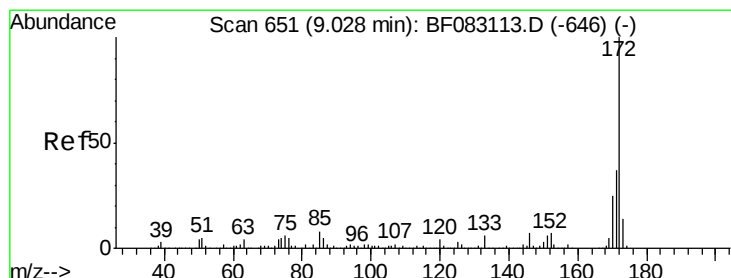
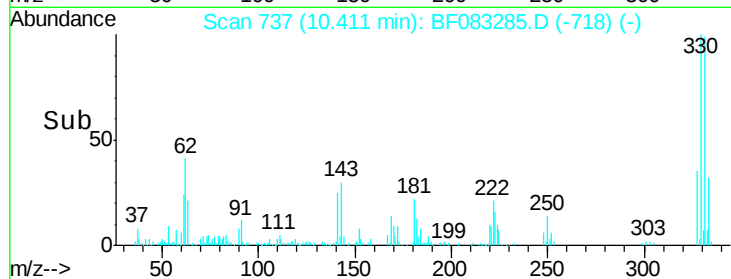
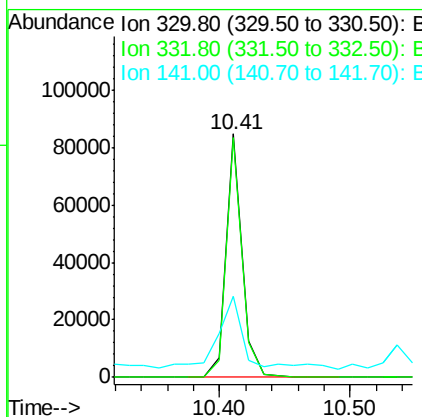
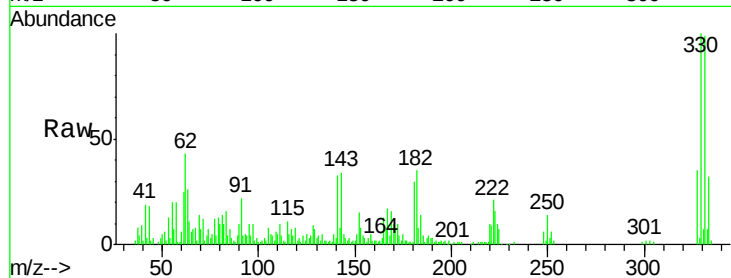
#41
 2,4,6-Tribromophenol
 Concen: 23.63 ng
 RT: 10.41 min Scan# 737
 Delta R.T. -0.08 min
 Lab File: BF083285.D
 Acq: 25 Nov 2015 20:51

Instrument :
 BNA_F
 ClientSampleId :
 STOCKPILE-COMPOSITE1

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.7	116.5
141	44.2	29.7	44.5

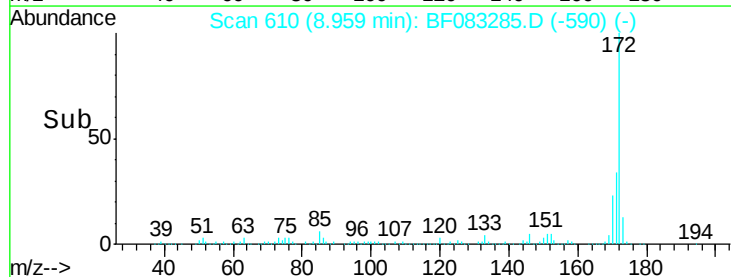
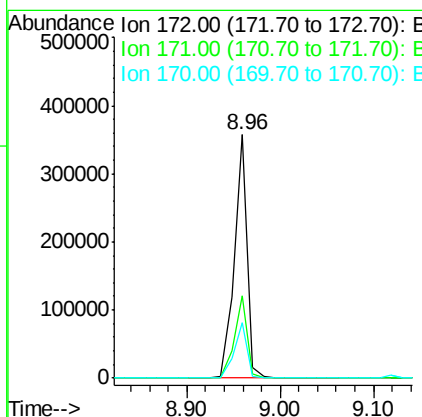
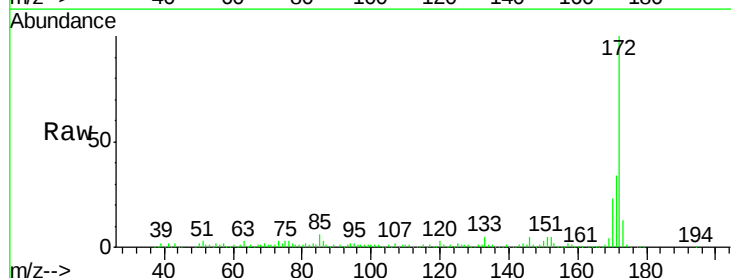
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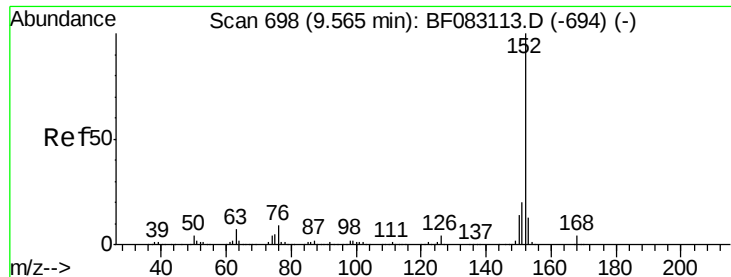
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#44
 2-Fluorobiphenyl
 Concen: 15.89 ng
 RT: 8.96 min Scan# 610
 Delta R.T. -0.07 min
 Lab File: BF083285.D
 Acq: 25 Nov 2015 20:51

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.1	29.5	44.3
170	22.6	19.9	29.9





#48

Acenaphthylene

Concen: 22.36 ng

RT: 9.48 min Scan# 656

Delta R.T. -0.08 min

Lab File: BF083285.D

Acq: 25 Nov 2015 20:51

Instrument :

BNA_F

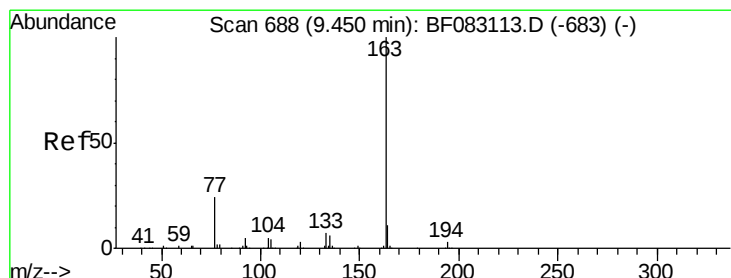
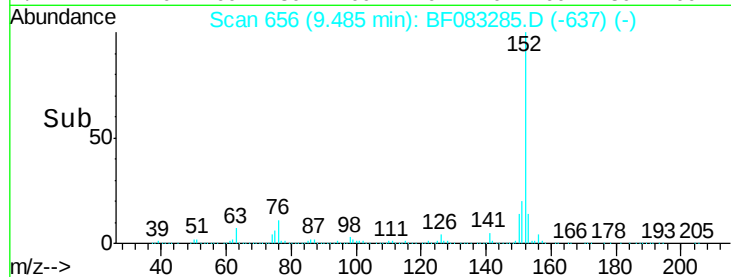
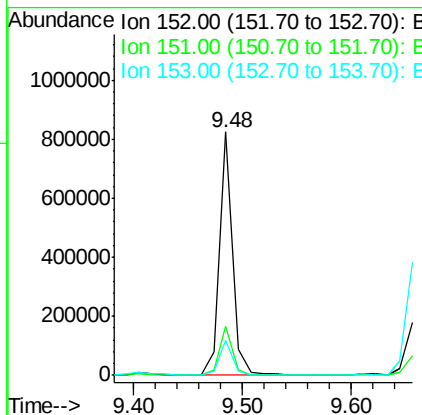
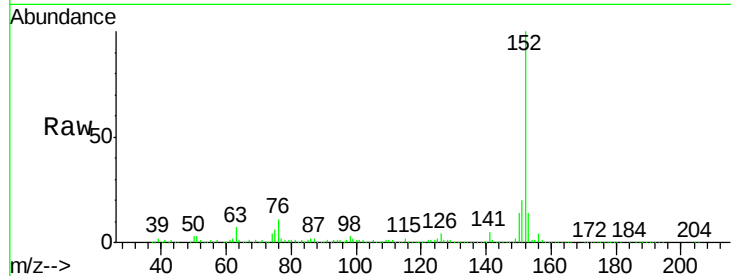
ClientSampleId :

STOCKPILE-COMPOSITE1

Tot Ion:	152	Resp:	698887
Ion Ratio		Lower	Upper
152	100		
151	20.2	16.3	24.5
153	14.2	10.8	16.2

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#49

Dimethylphthalate

Concen: 3.95 ng

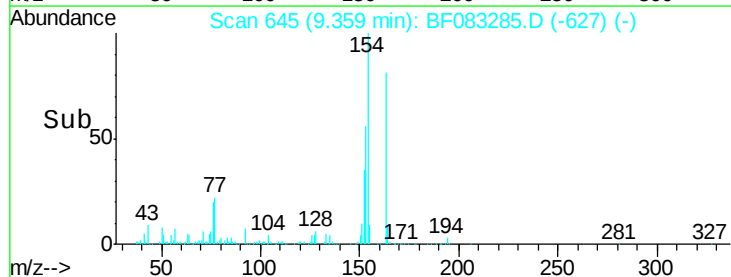
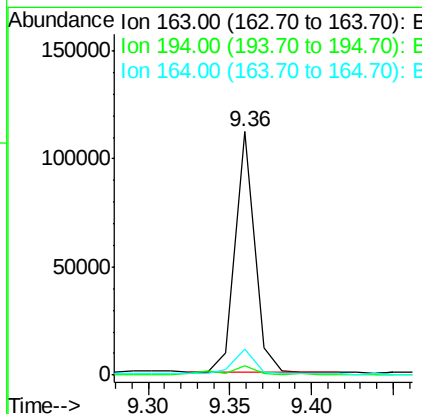
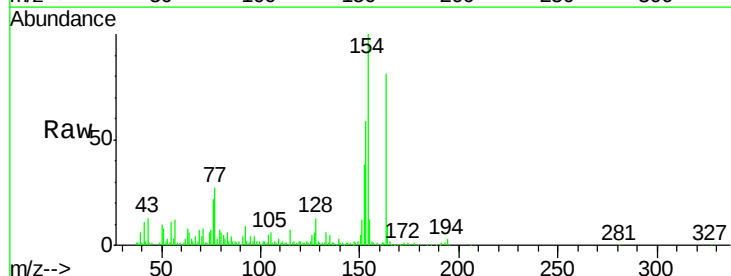
RT: 9.36 min Scan# 645

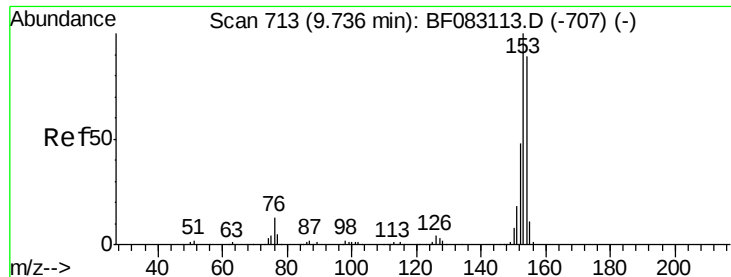
Delta R.T. -0.09 min

Lab File: BF083285.D

Acq: 25 Nov 2015 20:51

Tgt Ion:	163	Resp:	91746
Ion Ratio		Lower	Upper
163	100		
194	3.7	2.6	4.0
164	10.9	8.6	12.8





#51

Acenaphthene

Concen: 15.25 ng

RT: 9.66 min Scan# 671

Delta R.T. -0.08 min

Lab File: BF083285.D

Acq: 25 Nov 2015 20:51

Instrument :

BNA_F

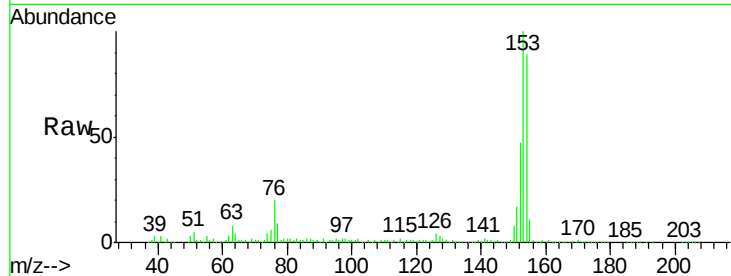
ClientSampleId :

STOCKPILE-COMPOSITE1

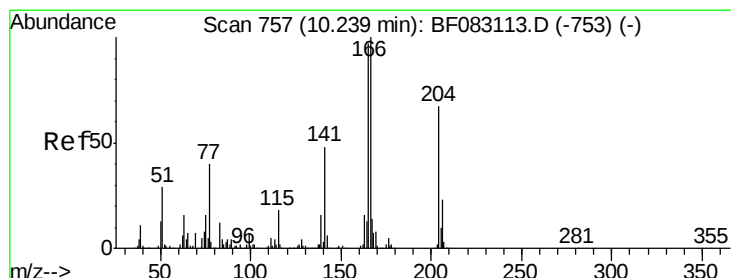
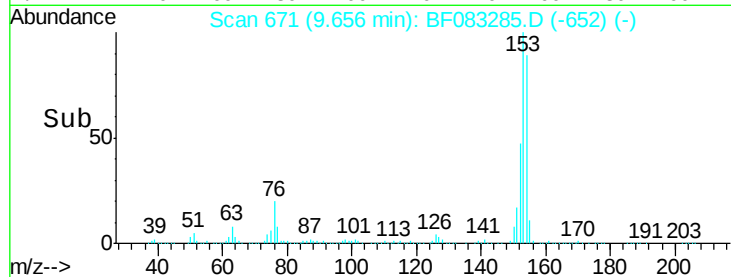
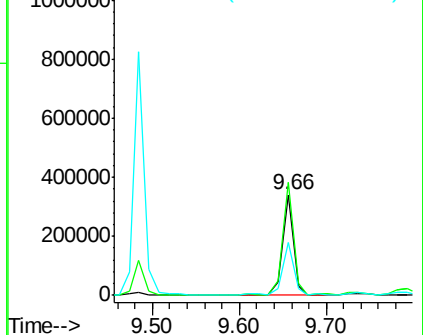
Tot Ion:	154	Resp:	289941
Ion Ratio	Lower	Upper	
154	100		
153	113.0	89.6	134.4
152	53.0	43.3	64.9

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#57

Fluorene

Concen: 15.41 ng

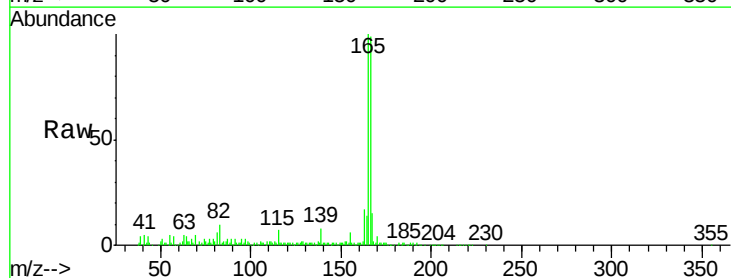
RT: 10.17 min Scan# 716

Delta R.T. -0.07 min

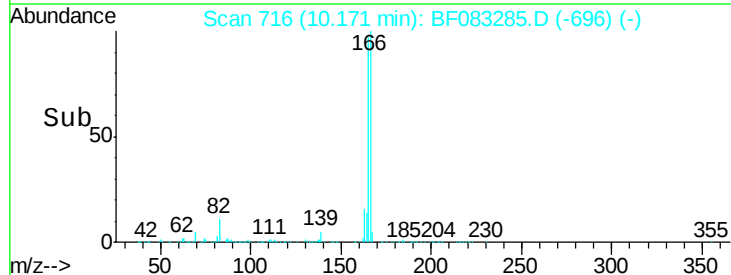
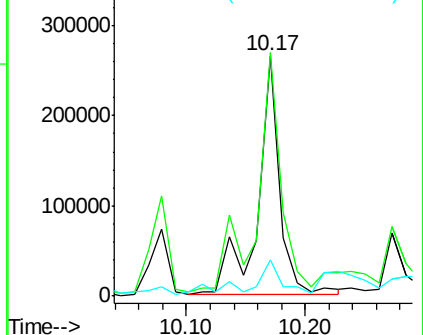
Lab File: BF083285.D

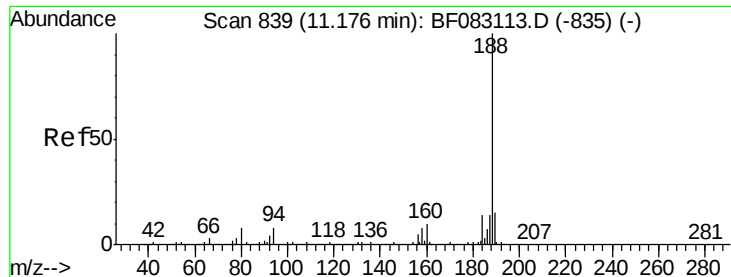
Acq: 25 Nov 2015 20:51

Tgt Ion:	166	Resp:	342401
Ion Ratio	Lower	Upper	
166	100		
165	101.5	78.0	117.0
167	15.3	11.3	16.9



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





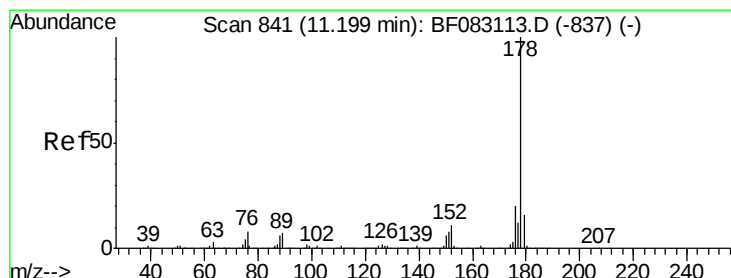
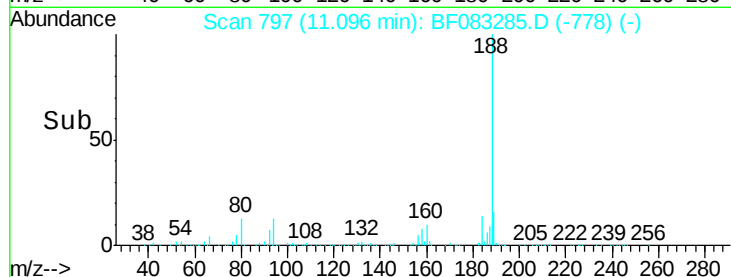
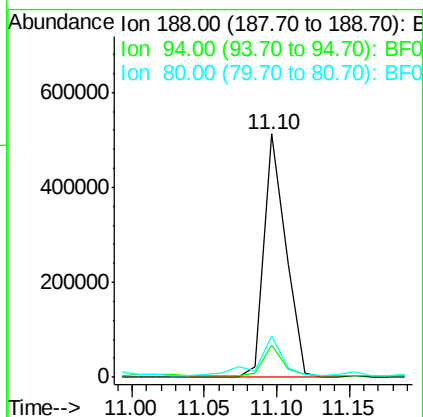
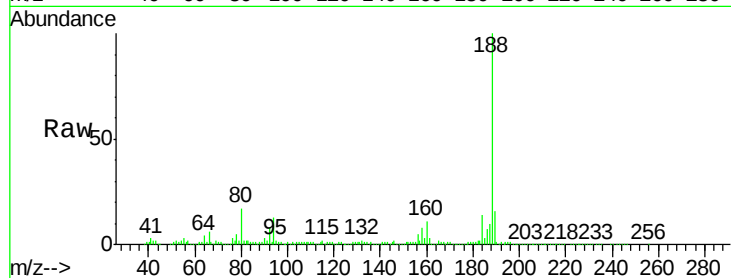
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.10 min Scan# 797
Delta R.T. -0.08 min
Lab File: BF083285.D
Acq: 25 Nov 2015 20:51

Instrument :
BNA_F
ClientSampleId :
STOCKPILE-COMPOSITE1

Tot Ion	Ratio	Resp	Lower	Upper
188	100			
94	13.2	6.0	9.0#	
80	17.0	6.7	10.1#	

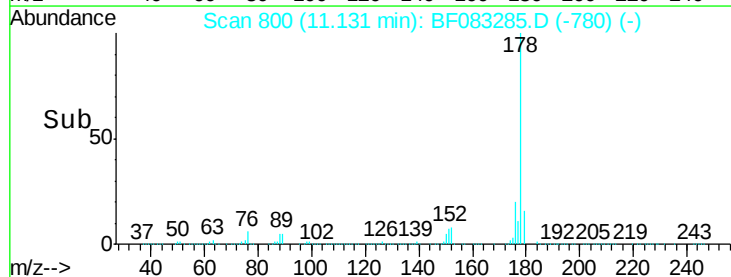
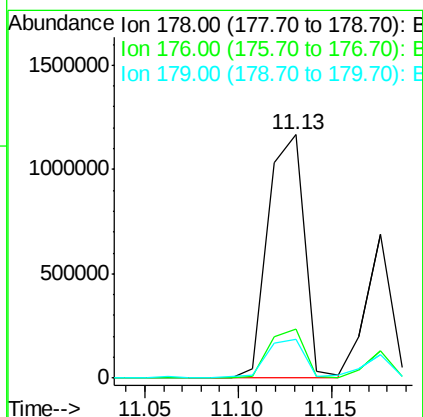
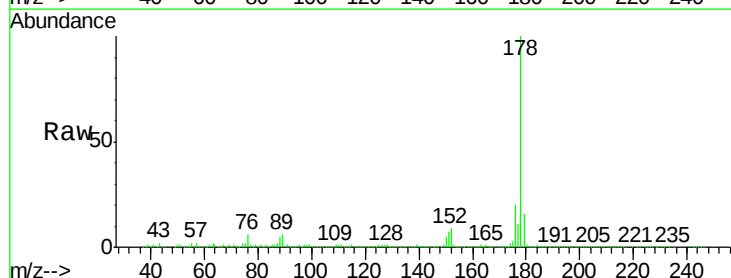
Manual Integrations
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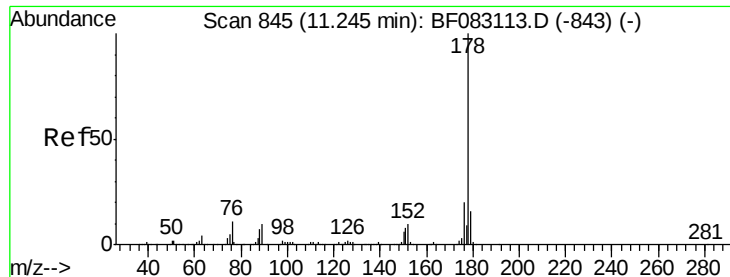
mmdadoda
11/26/2015 6:43:41 PM



#70
Phenanthrene
Concen: 50.54 ng
RT: 11.13 min Scan# 800
Delta R.T. -0.07 min
Lab File: BF083285.D
Acq: 25 Nov 2015 20:51

Tgt Ion	Ratio	Resp	Lower	Upper
178	100			
176	20.1	16.2	24.2	
179	16.1	12.8	19.2	





#71

Anthracene

Concen: 20.47 ng

RT: 11.18 min Scan# 804

Delta R.T. -0.07 min

Lab File: BF083285.D

Acq: 25 Nov 2015 20:51

Instrument :

BNA_F

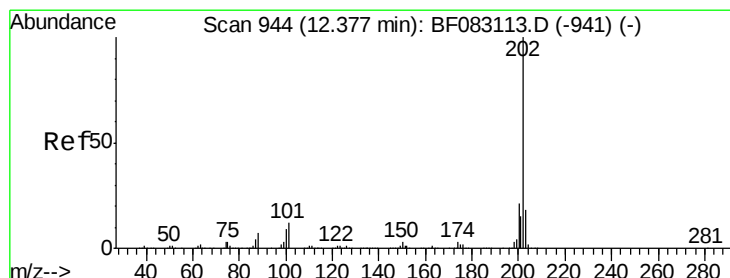
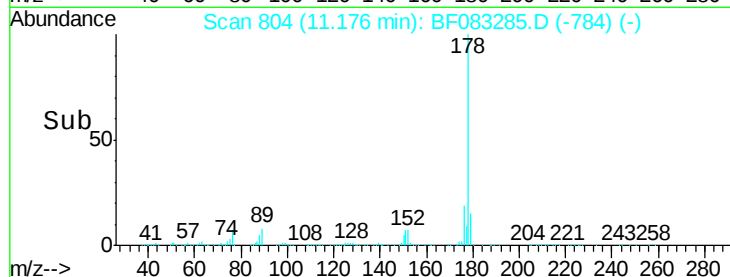
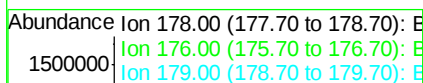
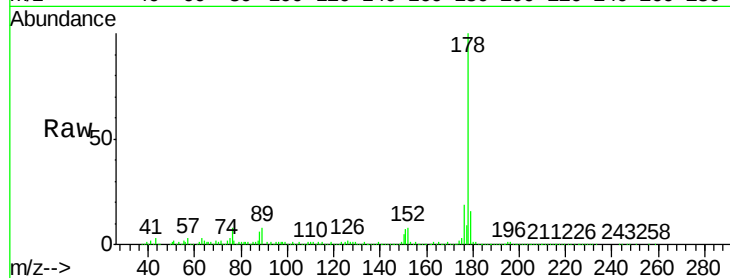
ClientSampleId :

STOCKPILE-COMPOSITE1

Tot Ion:178	Resp:	645122
Ion Ratio	Lower	Upper
178	100	
176	19.0	15.6 23.4
179	15.9	13.2 19.8

Manual Integrations
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#74

Fluoranthene

Concen: 44.62 ng

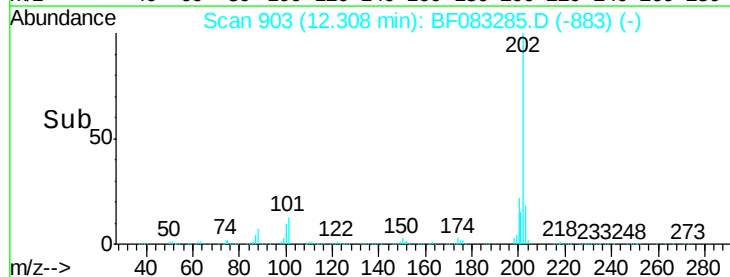
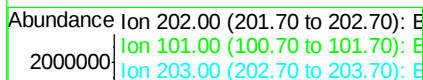
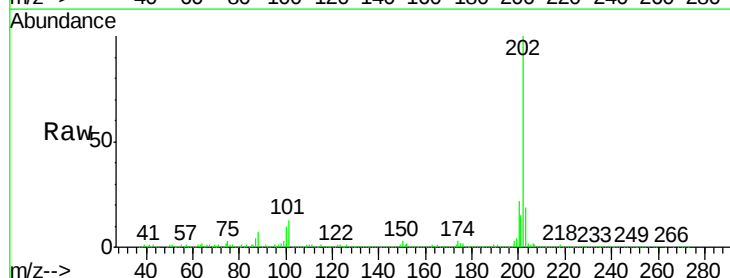
RT: 12.31 min Scan# 903

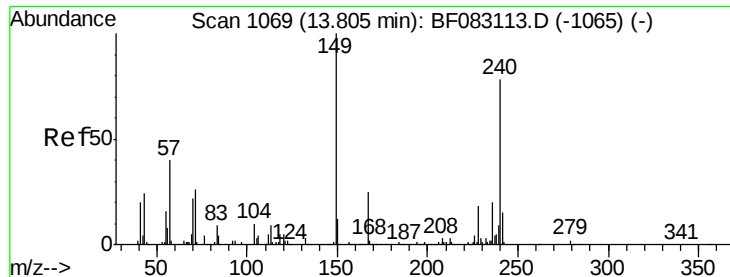
Delta R.T. -0.07 min

Lab File: BF083285.D

Acq: 25 Nov 2015 20:51

Tgt Ion:202	Resp:	1410117
Ion Ratio	Lower	Upper
202	100	
101	13.3	0.0 32.3
203	18.8	0.0 38.4





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.73 min Scan# 1027

Delta R.T. -0.08 min

Lab File: BF083285.D

Acq: 25 Nov 2015 20:51

Instrument :

BNA_F

ClientSampleId :

STOCKPILE-COMPOSITE1

Tot Ion:240 Resp: 431079

Ion Ratio Lower Upper

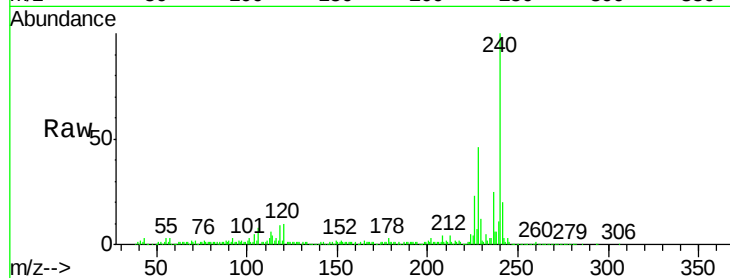
240 100

120 9.9 5.4 8.2#

236 25.3 20.6 31.0

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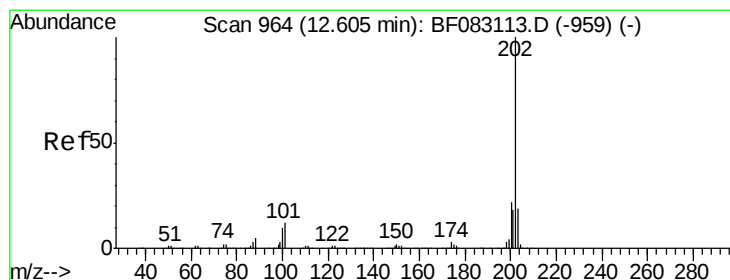
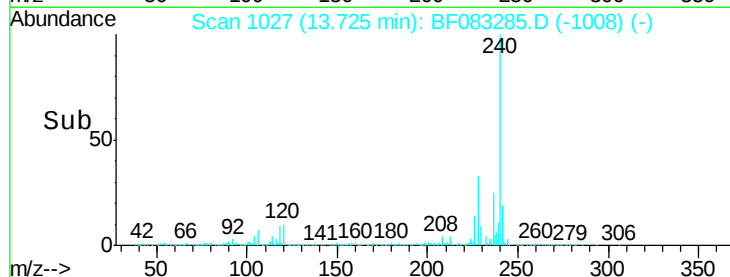
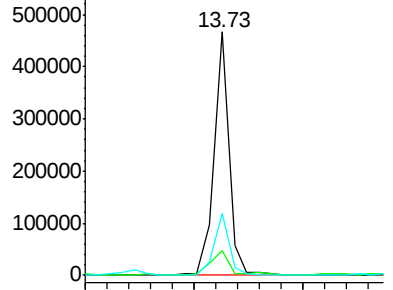
mmdadoda
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 77.33 ng

RT: 12.54 min Scan# 923

Delta R.T. -0.07 min

Lab File: BF083285.D

Acq: 25 Nov 2015 20:51

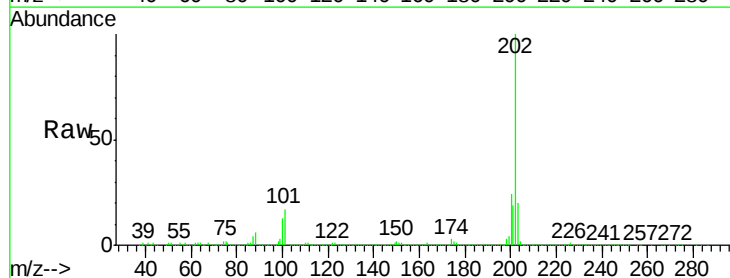
Tgt Ion:202 Resp: 2277503

Ion Ratio Lower Upper

202 100

200 23.7 17.8 26.6

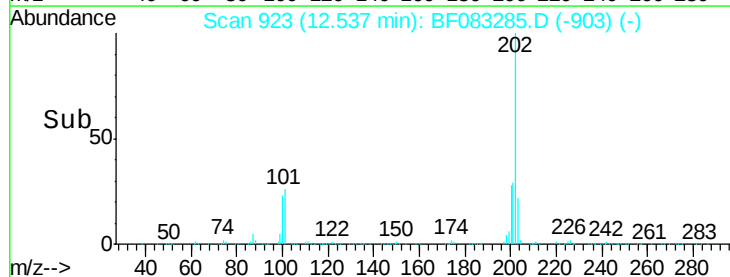
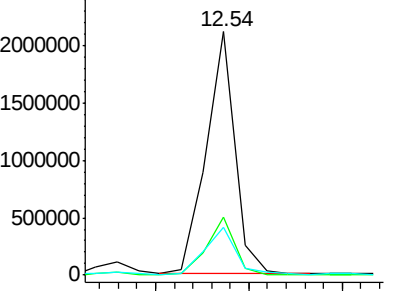
203 19.7 15.0 22.4

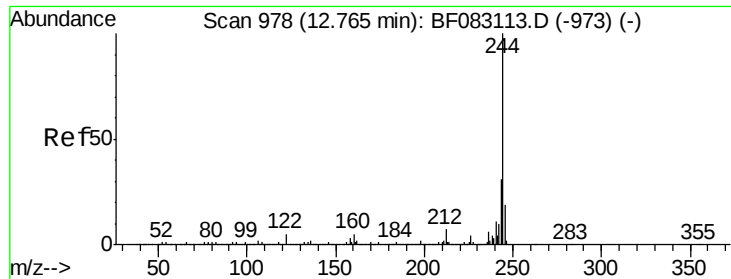


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 15.56 ng

RT: 12.69 min Scan# 936

Delta R.T. -0.08 min

Lab File: BF083285.D

Acq: 25 Nov 2015 20:51

Instrument :

BNA_F

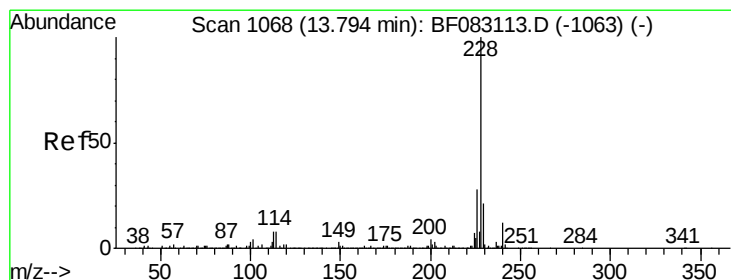
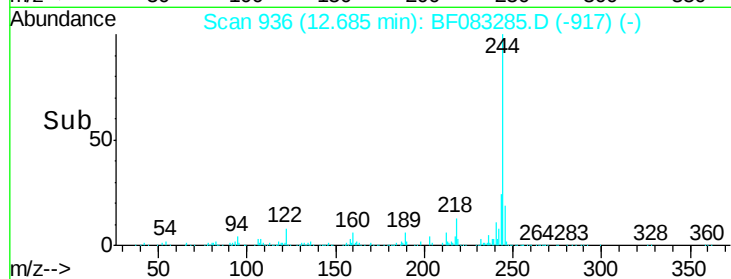
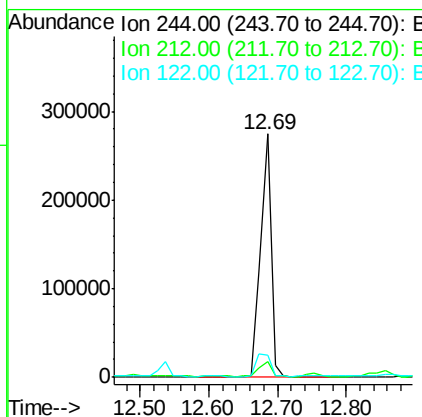
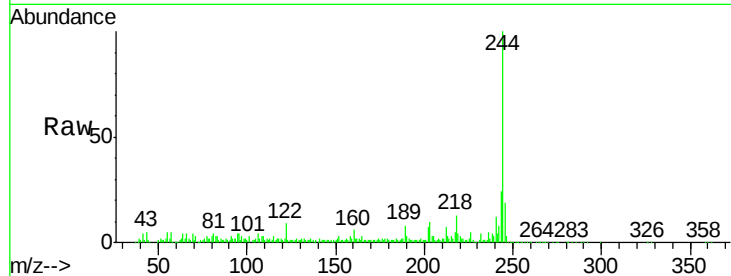
ClientSampleId :

STOCKPILE-COMPOSITE1

Tot Ion:	244	Resp:	284803
Ion Ratio		Lower	Upper
244	100		
212	6.6	5.4	8.2
122	8.9	4.3	6.5#

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 29.81 ng m

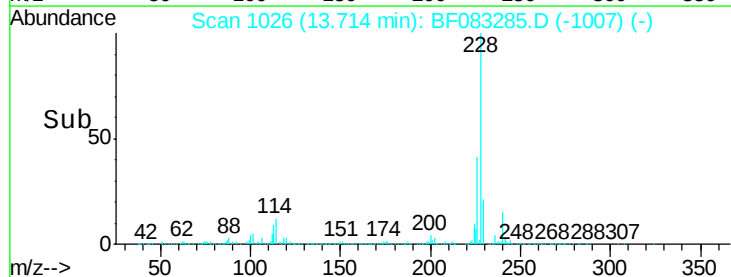
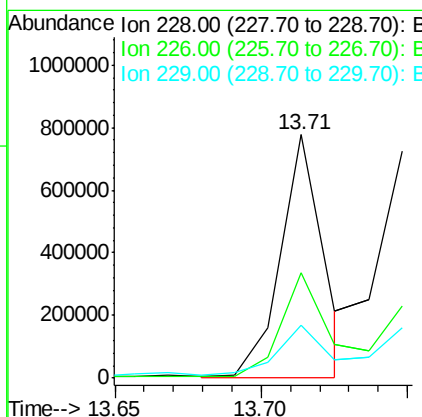
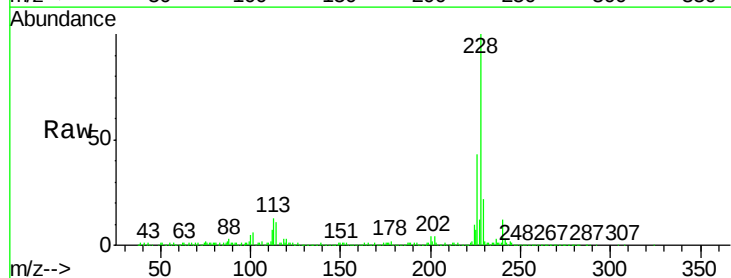
RT: 13.71 min Scan# 1026

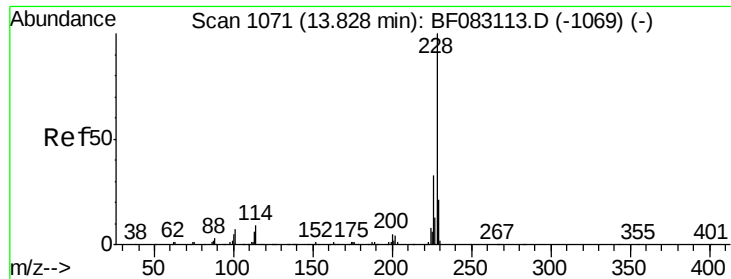
Delta R.T. -0.08 min

Lab File: BF083285.D

Acq: 25 Nov 2015 20:51

Tgt Ion:	228	Resp:	794670
Ion Ratio		Lower	Upper
228	100		
226	43.4	22.6	33.8#
229	21.7	16.6	24.8





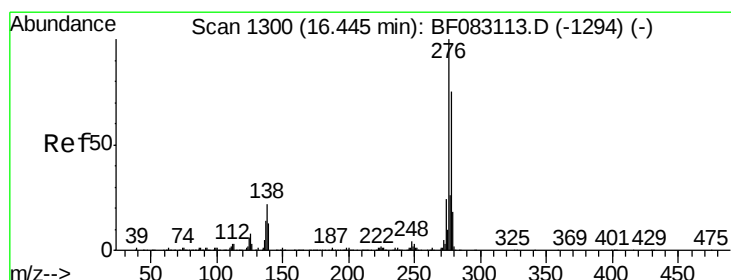
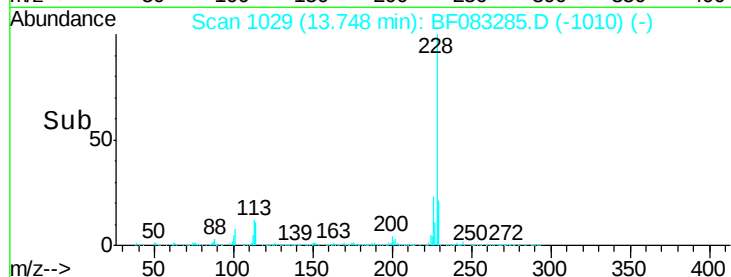
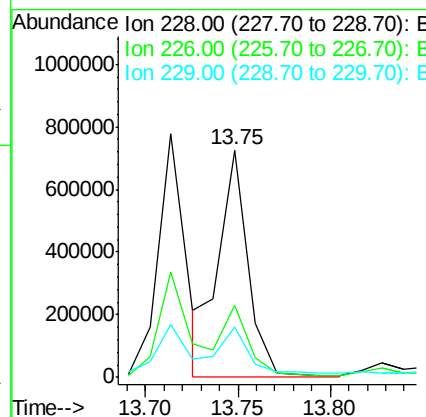
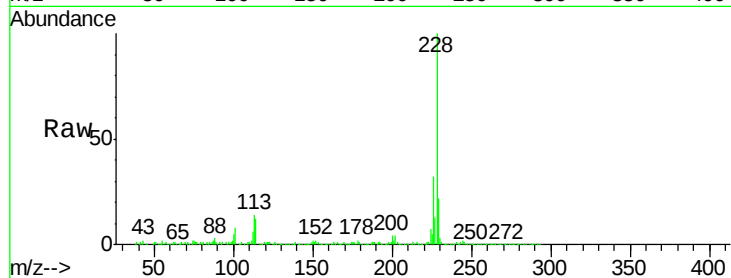
#82
Chrysene
Concen: 32.96 ng m
RT: 13.75 min Scan# 1029
Delta R.T. -0.08 min
Lab File: BF083285.D
Acq: 25 Nov 2015 20:51

Instrument :
BNA_F
ClientSampleId :
STOCKPILE-COMPOSITE1

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.6	25.5	38.3
229	22.1	16.6	25.0

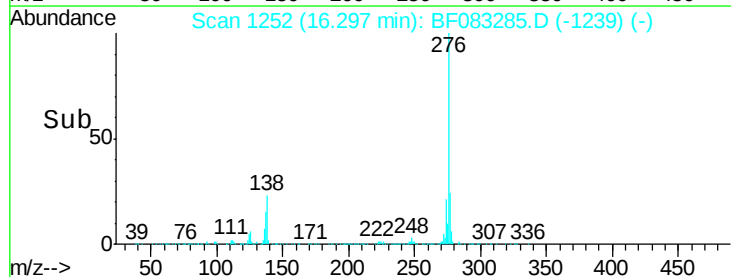
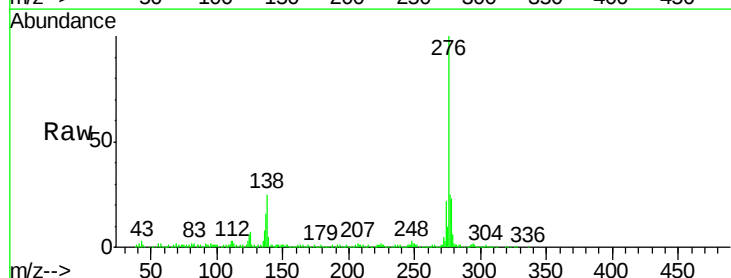
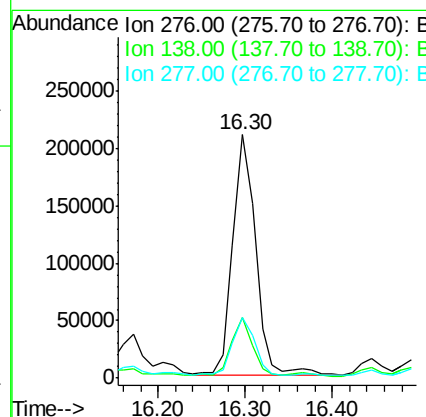
Manual Integrations
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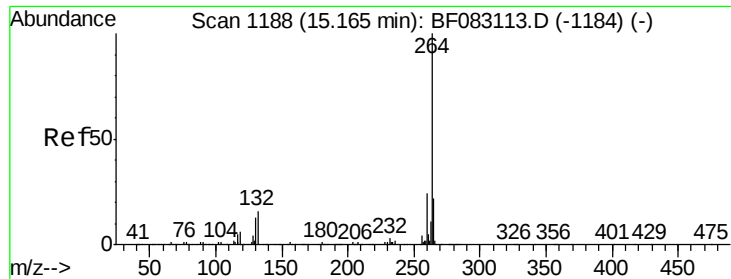
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#85
Indeno(1,2,3-cd)pyrene
Concen: 17.02 ng
RT: 16.30 min Scan# 1252
Delta R.T. -0.15 min
Lab File: BF083285.D
Acq: 25 Nov 2015 20:51

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.7	18.0	27.0
277	23.3	20.2	30.4





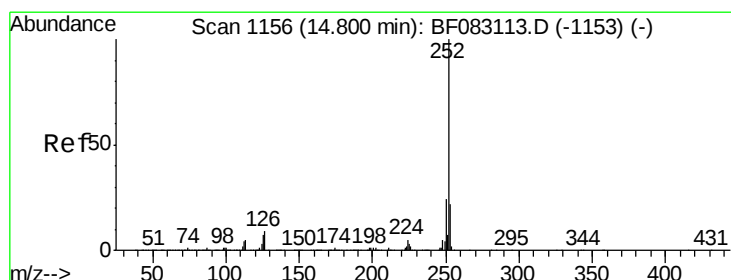
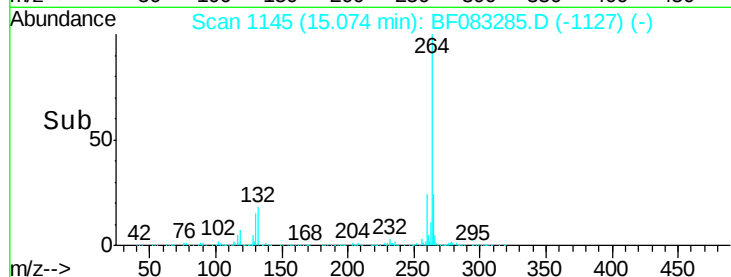
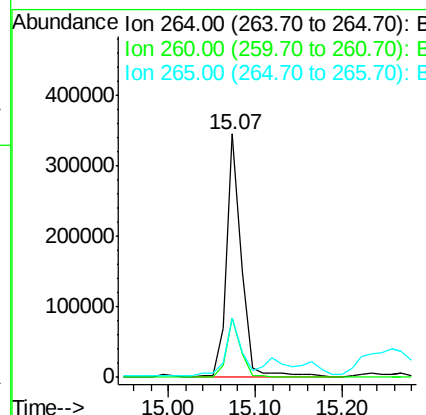
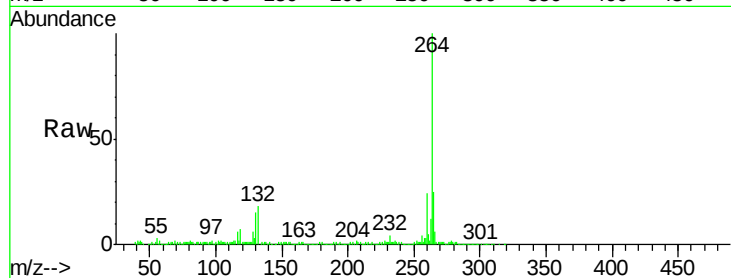
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.07 min Scan# 1145
Delta R.T. -0.09 min
Lab File: BF083285.D
Acq: 25 Nov 2015 20:51

Instrument :
BNA_F
ClientSampleId :
STOCKPILE-COMPOSITE1

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.1	28.7
265	24.5	18.2	27.4

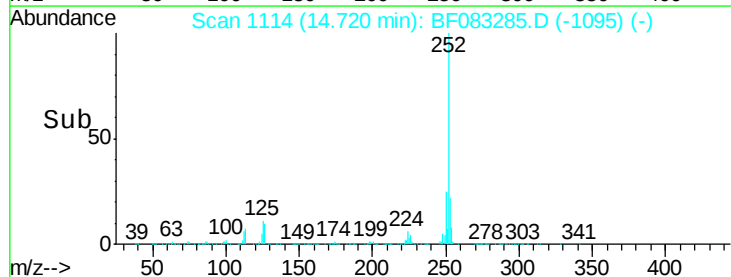
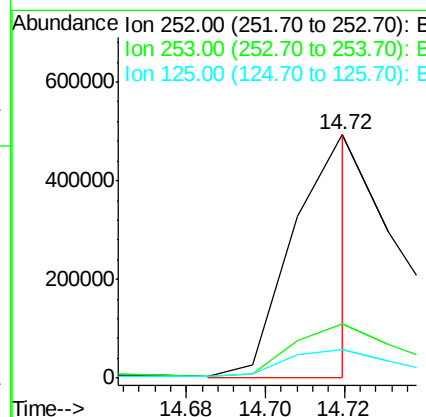
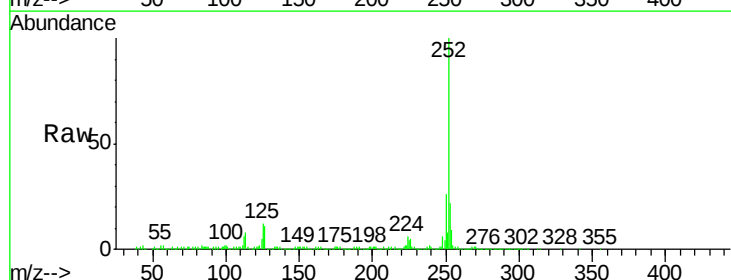
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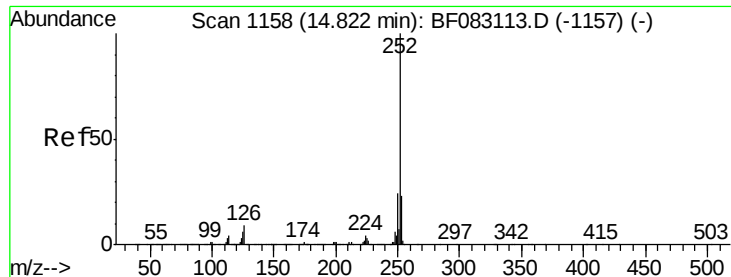
mmdadoda
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#87
Benzo(b)fluoranthene
Concen: 20.53 ng m
RT: 14.72 min Scan# 1114
Delta R.T. -0.08 min
Lab File: BF083285.D
Acq: 25 Nov 2015 20:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.7	26.5
125	11.6	5.6	8.4#





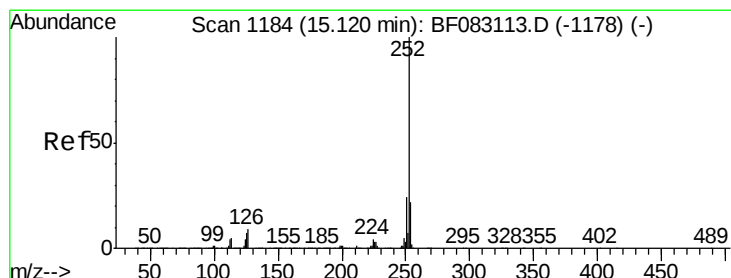
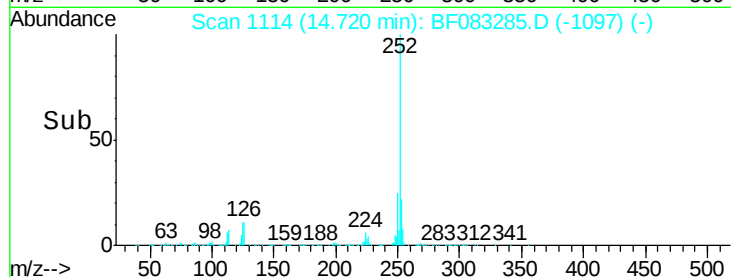
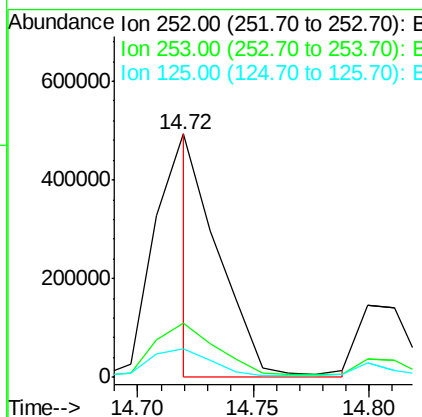
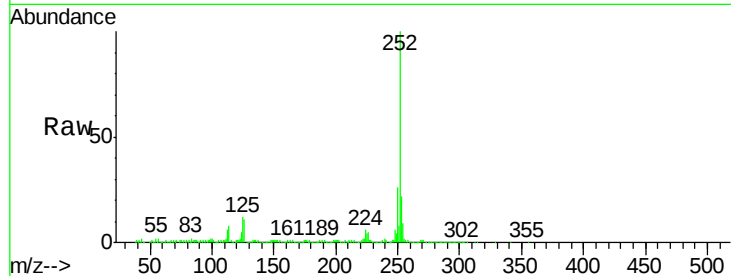
#88
Benzo(k)fluoranthene
Concen: 16.46 ng m
RT: 14.72 min Scan# 1114
Delta R.T. -0.10 min
Lab File: BF083285.D
Acq: 25 Nov 2015 20:51

Instrument :
BNA_F
ClientSampleId :
STOCKPILE-COMPOSITE1

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	22.4	18.2	27.2
125	11.6	6.8	10.2

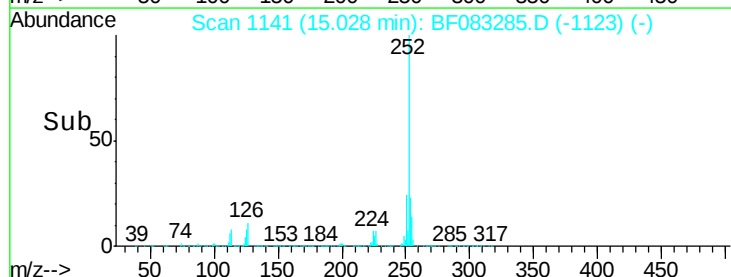
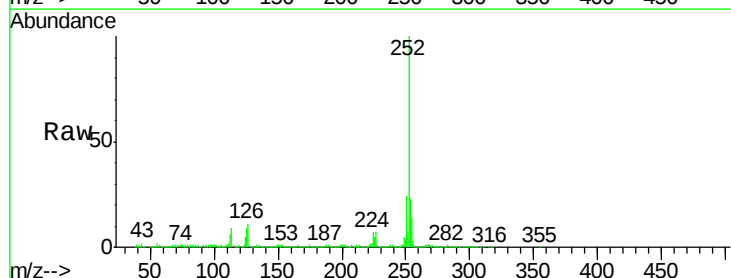
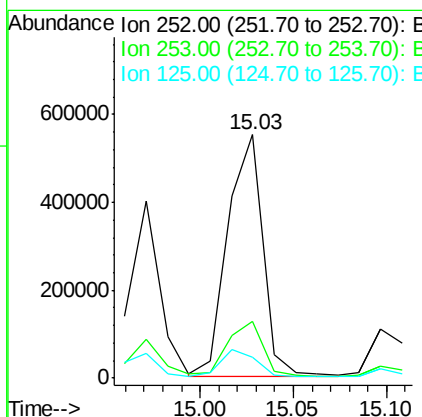
Manual Integrations
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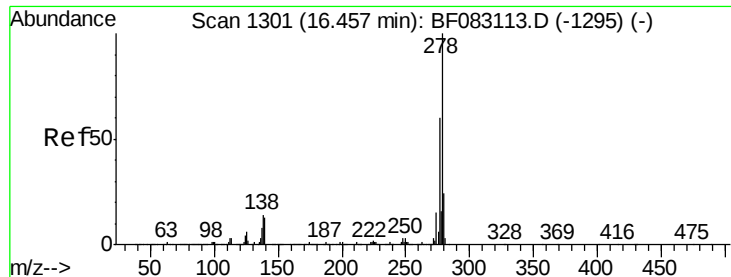
mmdadoda
11/26/2015 6:43:41 PM



#89
Benzo(a)pyrene
Concen: 31.31 ng
RT: 15.03 min Scan# 1141
Delta R.T. -0.09 min
Lab File: BF083285.D
Acq: 25 Nov 2015 20:51

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	23.3	17.5	26.3
125	8.7	5.4	8.0





#90

Dibenzo(a,h)anthracene

Concen: 4.62 ng/mL

RT: 16.31 min Scan# 1253

Delta R.T. -0.15 min

Lab File: BF083285.D

Acq: 25 Nov 2015 20:51

Instrument:

BNA_F

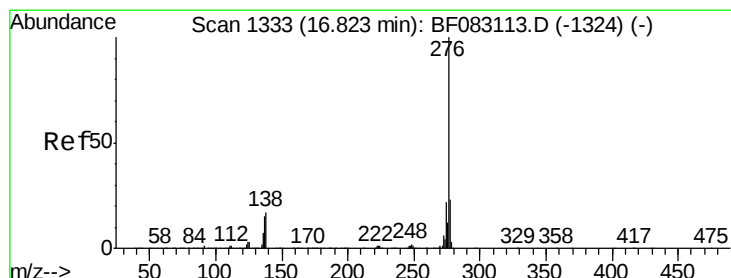
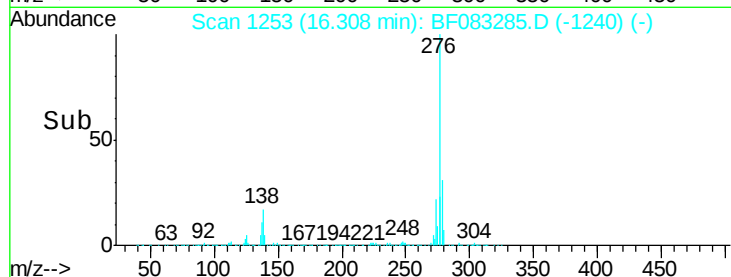
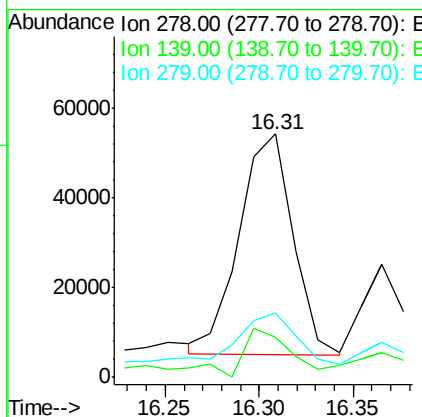
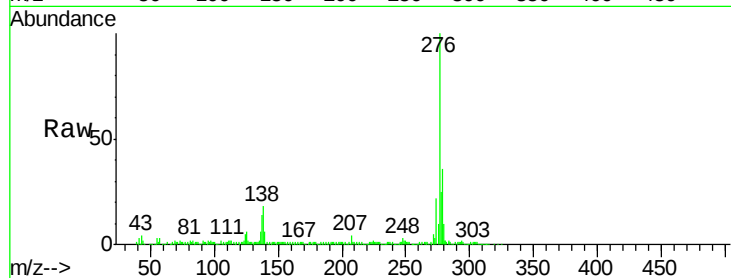
ClientSampleId:

STOCKPILE-COMPOSITE1

Tot Ion:	278	Resp:	98119
Ion Ratio	Lower	Upper	
278	100		
139	16.7	10.7	16.1#
279	26.7	19.3	28.9

Manual Integrations
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mmdadoda
11/26/2015 6:43:41 PM



#91

Benzo(g,h,i)perylene

Concen: 19.79 ng/mL

RT: 16.66 min Scan# 1284

Delta R.T. -0.16 min

Lab File: BF083285.D

Acq: 25 Nov 2015 20:51

Tgt Ion:	276	Resp:	410431
Ion Ratio	Lower	Upper	
276	100		
277	24.9	18.7	28.1
138	23.5	13.9	20.9#

