

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112315\
 Data File : BF083222.D
 Acq On : 24 Nov 2015 00:04
 Operator : UM/IZ
 Sample : G4426-07
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-7

Manual Integrations
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 11/24/2015 1:20:08 PM

Quant Time: Nov 24 12:26:53 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	6.64	152	202595	20.00	ng	-0.02
21) Naphthalene-d8	7.93	136	759876	20.00	ng	-0.02
38) Acenaphthene-d10	9.68	164	349228	20.00	ng	-0.02
63) Phenanthrene-d10	11.15	188	522318	20.00	ng	-0.02
75) Chrysene-d12	13.78	240	425074	20.00	ng	-0.02
86) Perylene-d12	15.14	264	329953	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	1688311	125.99	ng	-0.02
7) Phenol-d6	6.32	99	2223788	128.26	ng	-0.02
23) Nitrobenzene-d5	7.21	82	1236697	74.37	ng	-0.02
41) 2,4,6-Tribromophenol	10.47	330	261978	73.33	ng	-0.02
44) 2-Fluorobiphenyl	9.02	172	1949976	77.86	ng	-0.01
78) Terphenyl-d14	12.74	244	1182632	65.52	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	7.95	128	224502	5.47	ng	100
49) Dimethylphthalate	9.42	163	613777	22.83	ng	98
51) Acenaphthene	9.71	154	110494	5.02	ng	98
54) Dibenzofuran	9.88	168	120415	3.87	ng	94
57) Fluorene	10.22	166	124418	4.84	ng	99
70) Phenanthrene	11.18	178	1419062	47.16	ng	99
71) Anthracene	11.23	178	358525	11.68	ng	97
72) Carbazole	11.39	167	223305	8.18	ng	98
74) Fluoranthene	12.37	202	1817000	59.00	ng	98
77) Pyrene	12.59	202	1694477	58.35	ng	99
80) Benzo(a)anthracene	13.77	228	1050172	39.95	ng	99
82) Chrysene	13.81	228	728297	29.87	ng	97
85) Indeno(1,2,3-cd)pyrene	16.41	276	351425	15.85	ng	95
87) Benzo(b)fluoranthene	14.78	252	887410m	39.36	ng	
88) Benzo(k)fluoranthene	14.79	252	388674m	23.14	ng	
89) Benzo(a)pyrene	15.10	252	615807	33.08	ng	# 96
90) Dibenzo(a,h)anthracene	16.41	278	84845m	5.02	ng	
91) Benzo(g,h,i)perylene	16.78	276	290148	17.58	ng	# 94

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

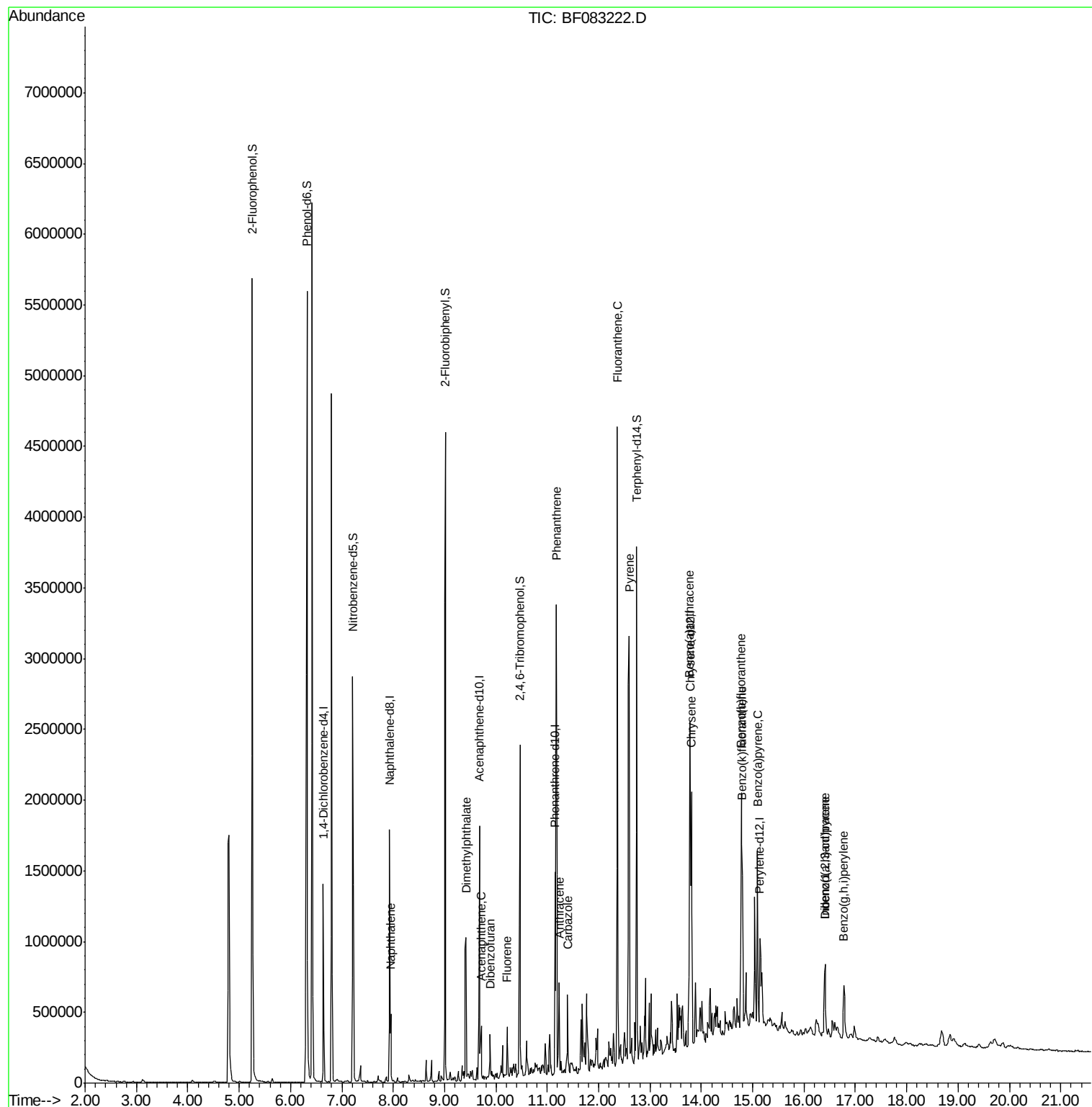
Data Path : Z:\HPCHEM1\BNA F\DATA\BF112315\
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Quant Time: Nov 24 12:26:53 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF112115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Nov 22 09:22:46 2015
Response via : Initial Calibration





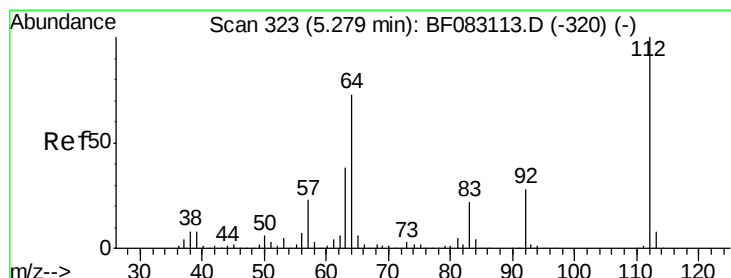
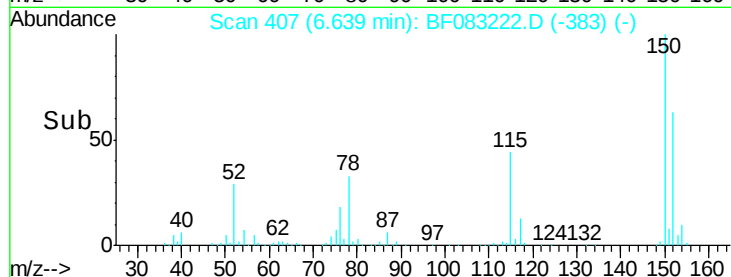
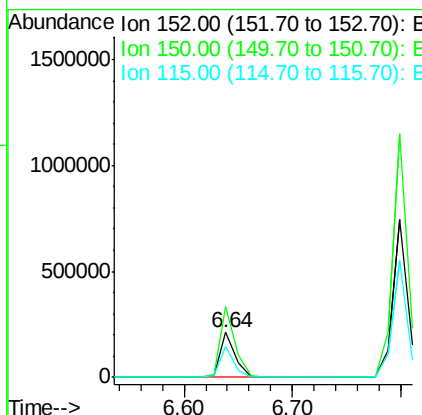
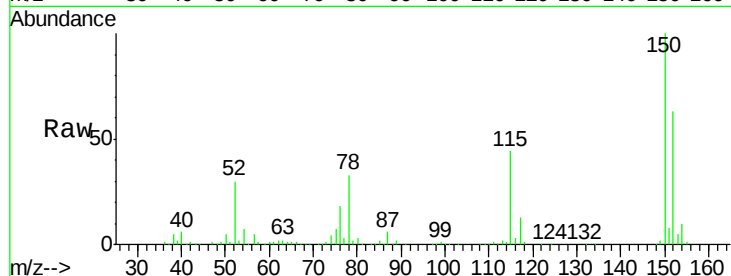
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.64 min Scan# 407
 Delta R.T. -0.02 min
 Lab File: BF083222.D
 Acq: 24 Nov 2015 00:04

Instrument :
 BNA_F
 ClientSampleId :
 SB-7

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.2	125.8	188.8
115	69.1	46.9	70.3

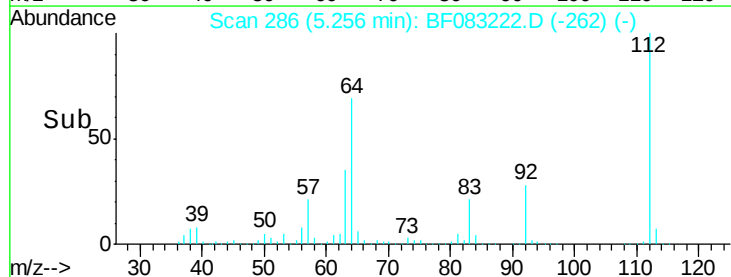
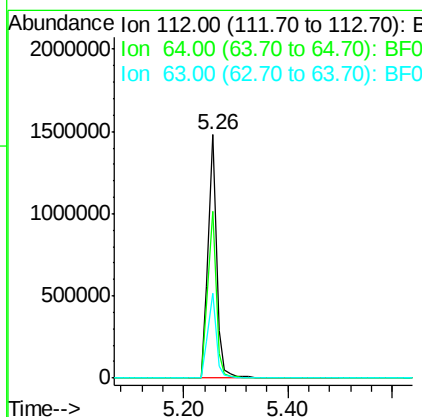
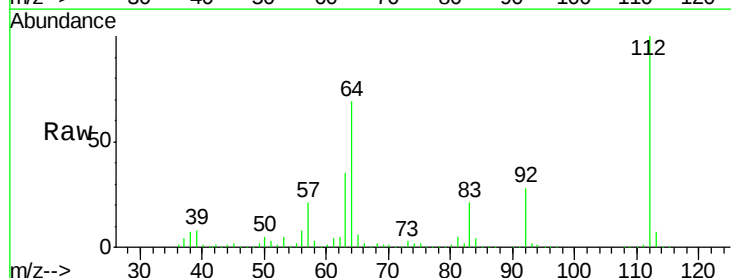
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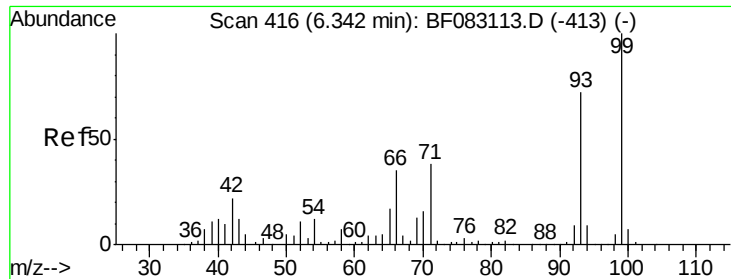
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#5
 2-Fluorophenol
 Concen: 125.99 ng
 RT: 5.26 min Scan# 286
 Delta R.T. -0.02 min
 Lab File: BF083222.D
 Acq: 24 Nov 2015 00:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.6	58.4	87.6
63	34.9	30.0	45.0





#7

Phenol-d6

Concen: 128.26 ng

RT: 6.32 min Scan# 379

Delta R.T. -0.02 min

Lab File: BF083222.D

Acq: 24 Nov 2015 00:04

Instrument :

BNA_F

ClientSampleId :

SB-7

Tot Ion: 99 Resp: 2223788

Ion Ratio Lower Upper

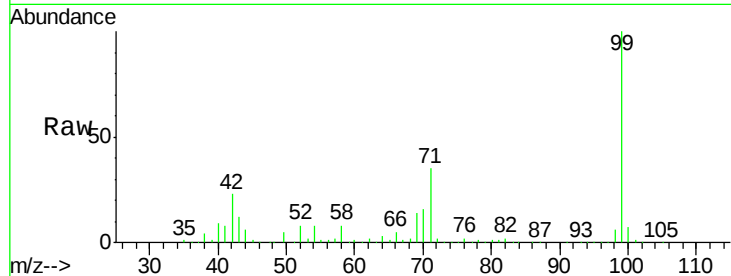
99 100

42 22.5 17.7 26.5

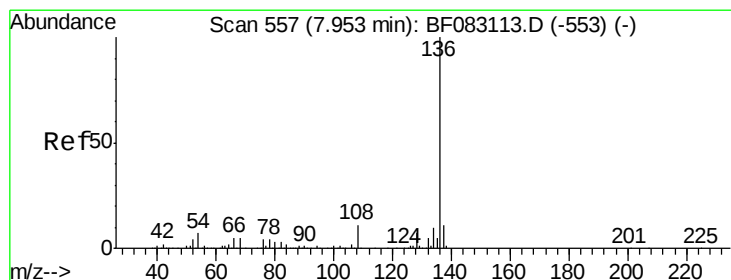
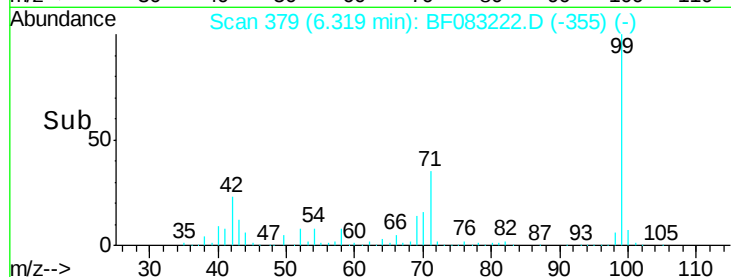
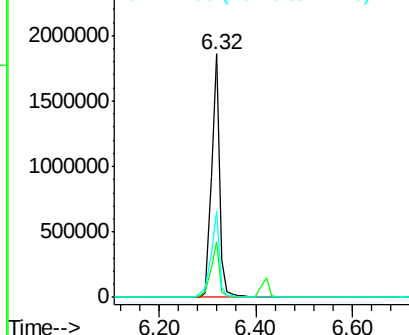
71 35.4 30.2 45.4

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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.93 min Scan# 520

Delta R.T. -0.02 min

Lab File: BF083222.D

Acq: 24 Nov 2015 00:04

Tgt Ion: 136 Resp: 759876

Ion Ratio Lower Upper

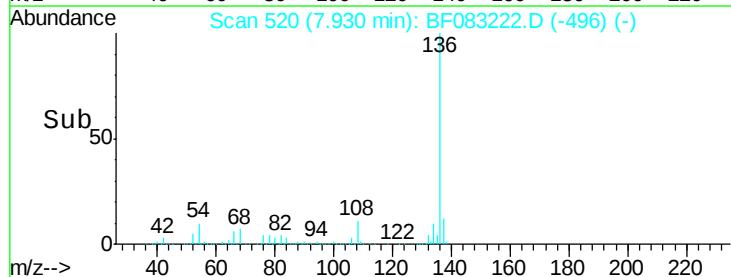
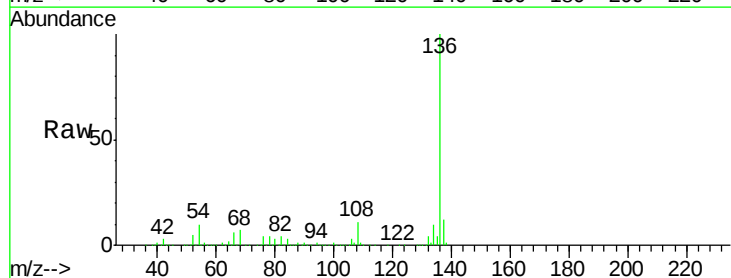
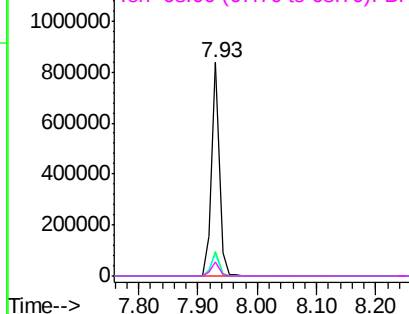
136 100

137 11.6 8.7 13.1

54 10.1 5.8 8.6#

68 6.9 3.8 5.8#

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0





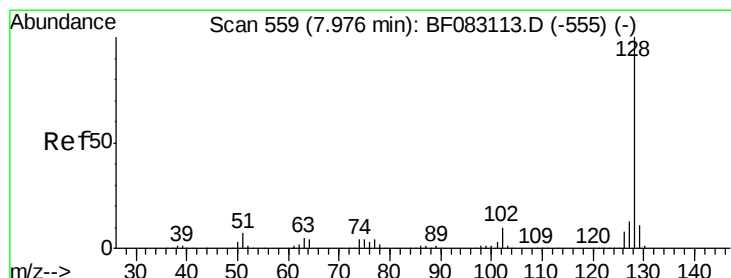
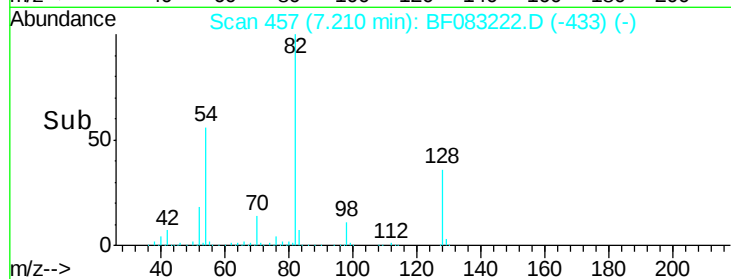
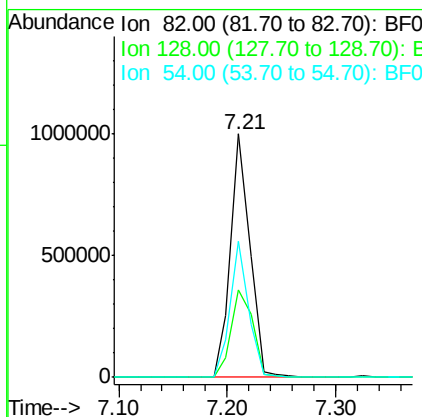
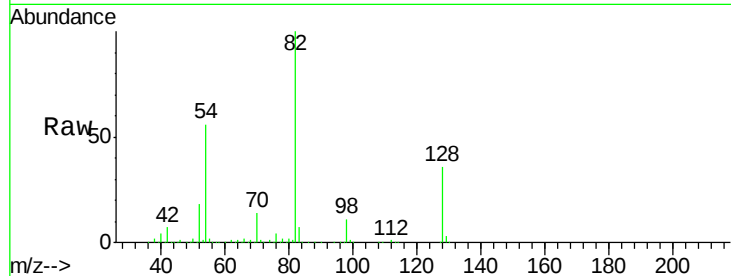
#23
Nitrobenzene-d5
Concen: 74.37 ng
RT: 7.21 min Scan# 457
Delta R.T. -0.02 min
Lab File: BF083222.D
Acq: 24 Nov 2015 00:04

Instrument :
BNA_F
ClientSampleId :
SB-7

Tot Ion	Ratio	Lower	Upper
82	100		
128	36.0	28.5	42.7
54	56.0	44.6	67.0

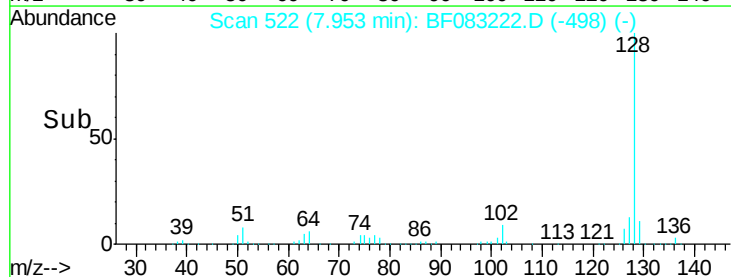
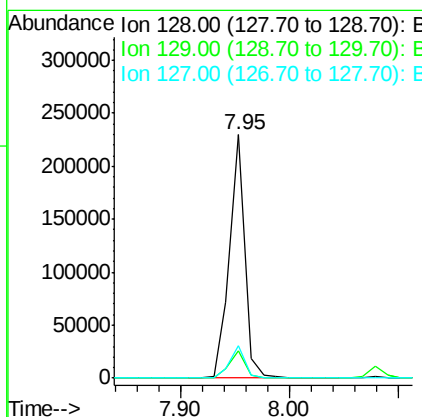
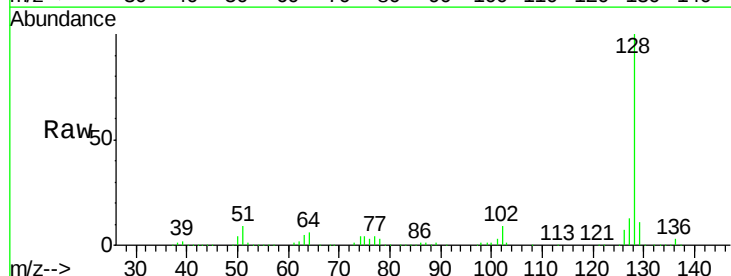
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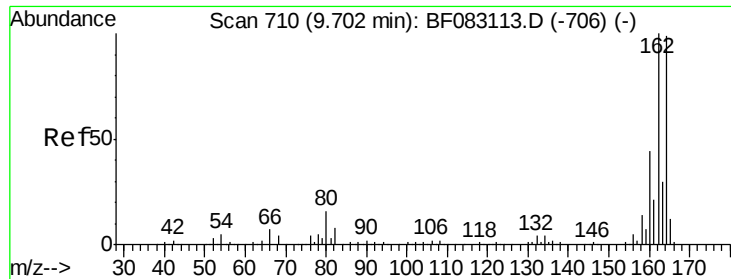
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#31
Naphthalene
Concen: 5.47 ng
RT: 7.95 min Scan# 522
Delta R.T. -0.02 min
Lab File: BF083222.D
Acq: 24 Nov 2015 00:04

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.0	13.4
127	13.2	10.6	15.8





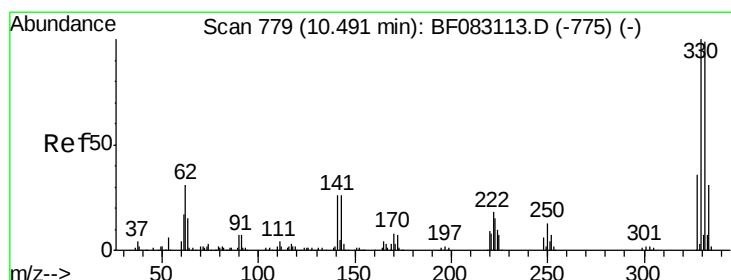
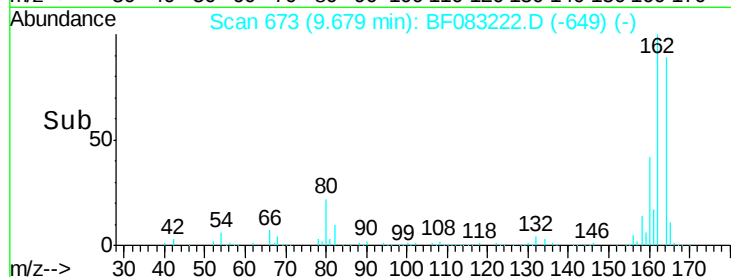
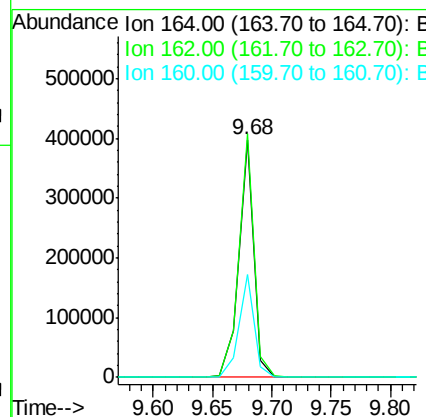
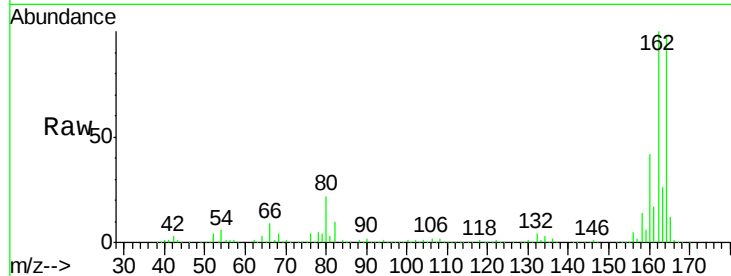
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.68 min Scan# 673
Delta R.T. -0.02 min
Lab File: BF083222.D
Acq: 24 Nov 2015 00:04

Instrument :
BNA_F
ClientSampled :
SB-7

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.4	81.2	121.8	
160	43.2	35.6	53.4	

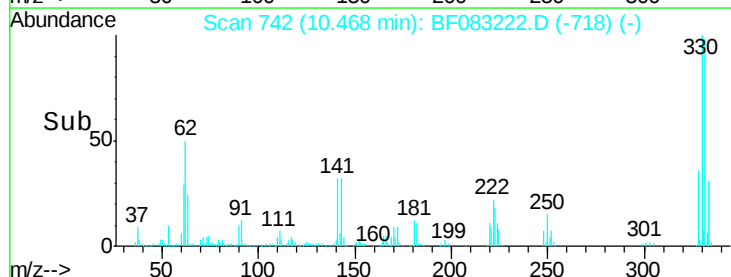
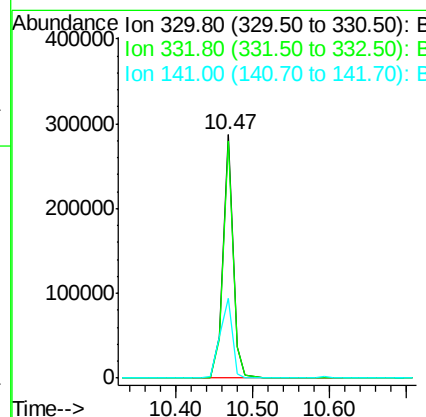
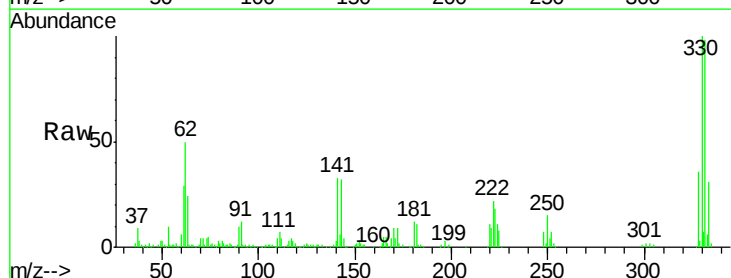
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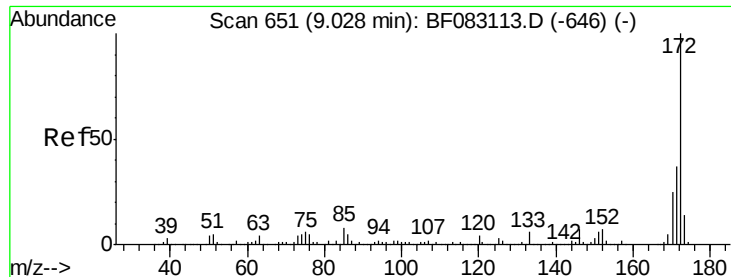
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#41
2,4,6-Tribromophenol
Concen: 73.33 ng
RT: 10.47 min Scan# 742
Delta R.T. -0.02 min
Lab File: BF083222.D
Acq: 24 Nov 2015 00:04

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.2	77.7	116.5	
141	40.0	29.7	44.5	





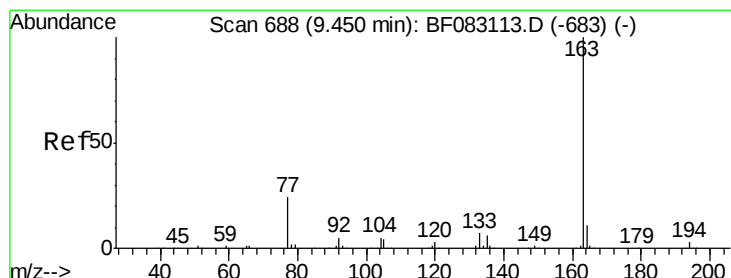
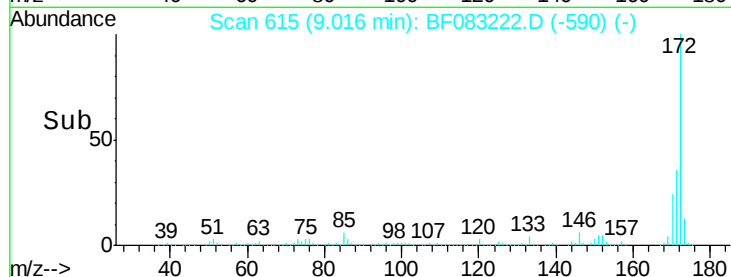
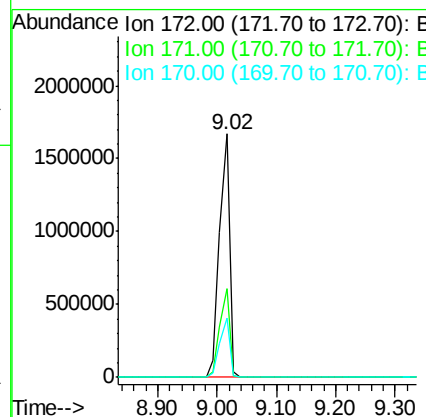
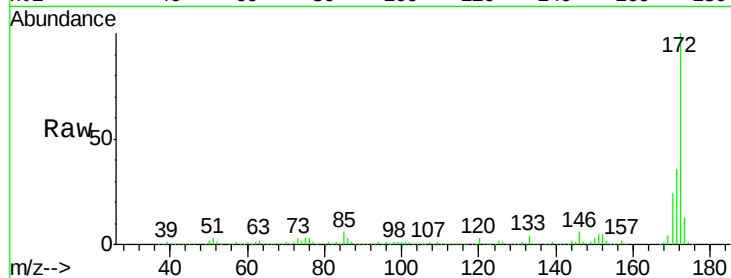
#44
2-Fluorobiphenyl
Concen: 77.86 ng
RT: 9.02 min Scan# 615
Delta R.T. -0.01 min
Lab File: BF083222.D
Acq: 24 Nov 2015 00:04

Instrument :
BNA_F
ClientSampleId :
SB-7

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.5	44.3
170	24.4	19.9	29.9

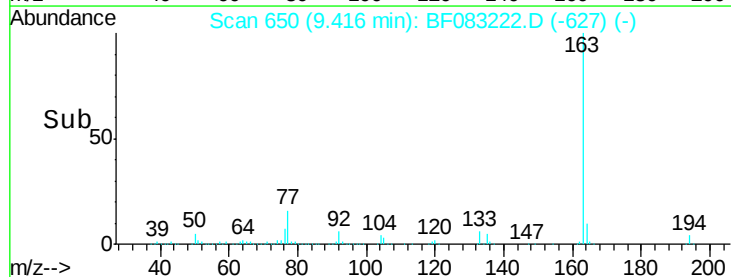
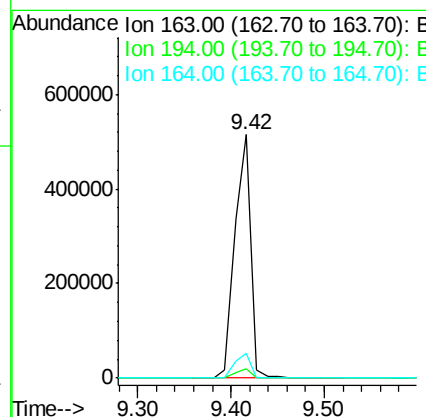
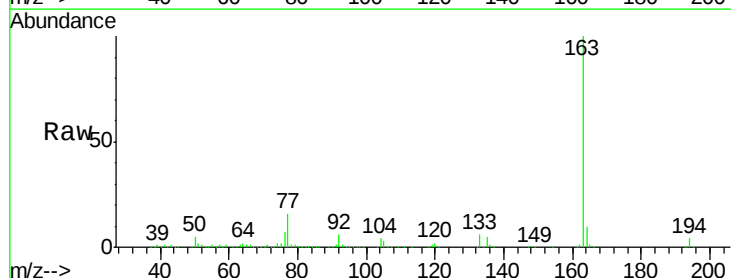
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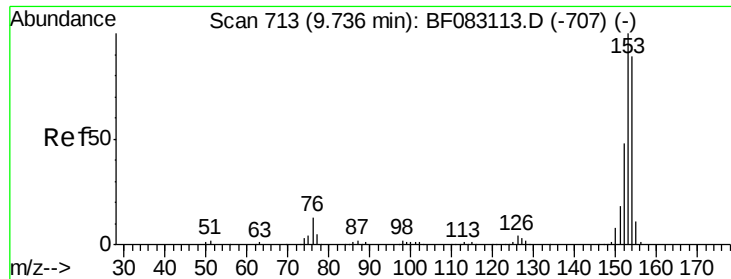
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#49
Dimethylphthalate
Concen: 22.83 ng
RT: 9.42 min Scan# 650
Delta R.T. -0.03 min
Lab File: BF083222.D
Acq: 24 Nov 2015 00:04

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.6	4.0
164	9.9	8.6	12.8





#51

Acenaphthene

Concen: 5.02 ng

RT: 9.71 min Scan# 676

Delta R.T. -0.02 min

Lab File: BF083222.D

Acq: 24 Nov 2015 00:04

Instrument :

BNA_F

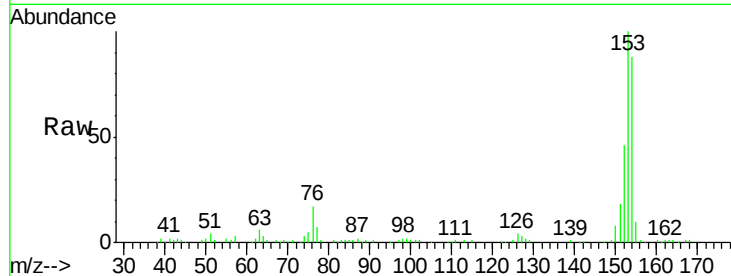
ClientSampled :

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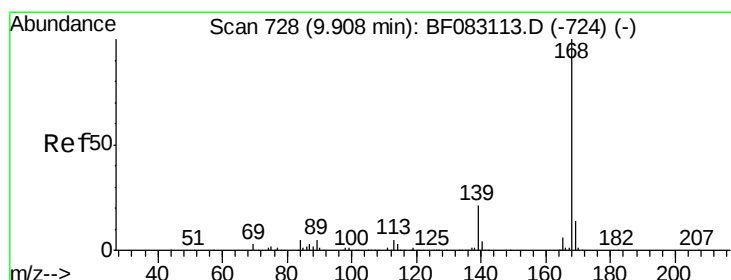
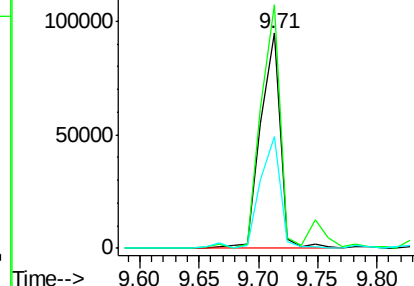
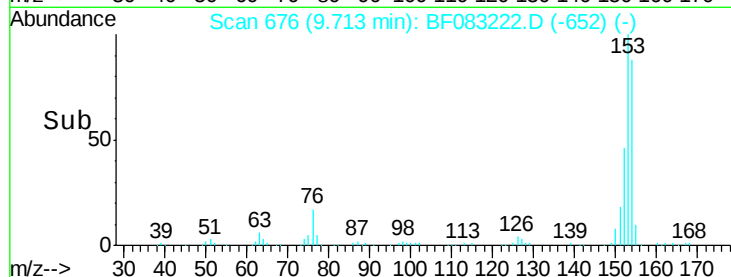
Tot Ion:	154	Resp:	110494
Ion Ratio	Lower	Upper	
154	100		
153	113.3	89.6	134.4
152	52.2	43.3	64.9

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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



#54

Dibenzofuran

Concen: 3.87 ng

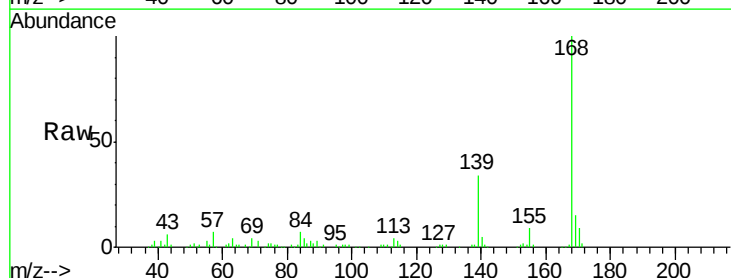
RT: 9.88 min Scan# 691

Delta R.T. -0.02 min

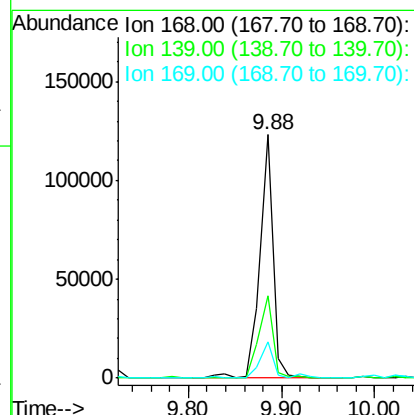
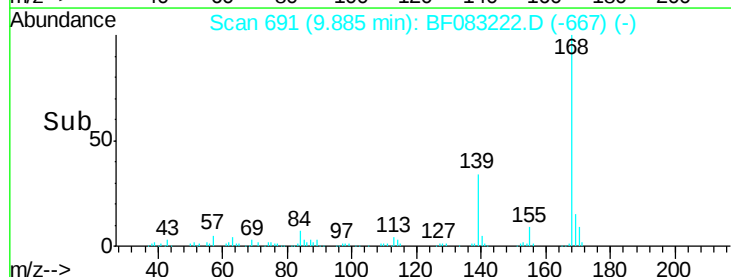
Lab File: BF083222.D

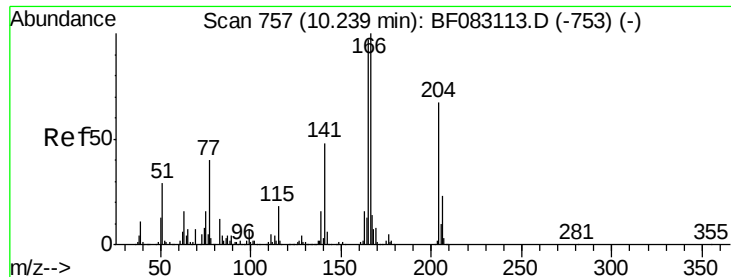
Acq: 24 Nov 2015 00:04

Tgt Ion:	168	Resp:	120415
Ion Ratio	Lower	Upper	
168	100		
139	34.0	30.2	45.2
169	15.1	10.9	16.3



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: 4.84 ng

RT: 10.22 min Scan# 720

Delta R.T. -0.02 min

Lab File: BF083222.D

Acq: 24 Nov 2015 00:04

Instrument :

BNA_F

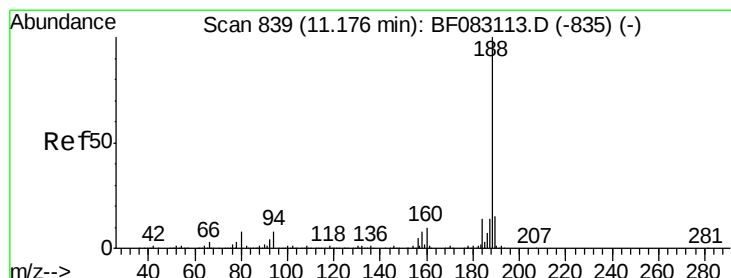
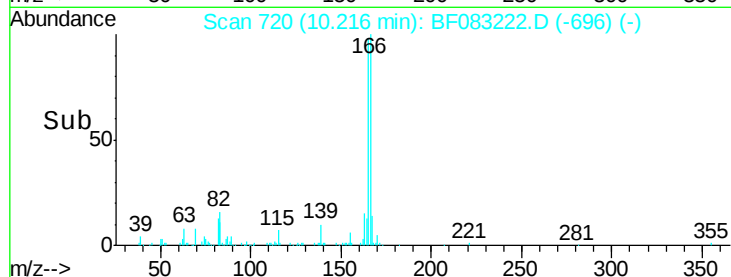
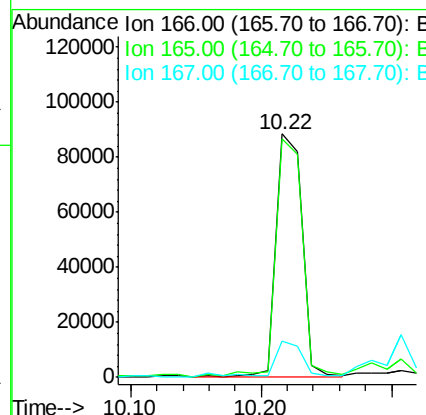
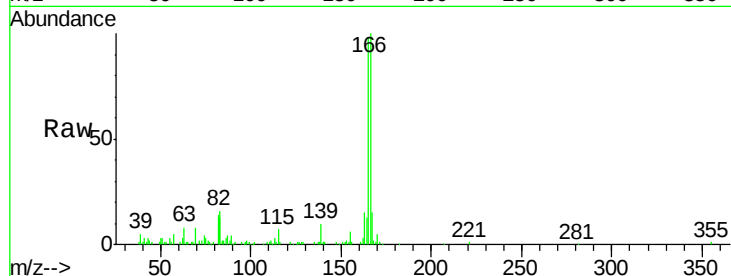
ClientSampleId :

SB-7

Tot Ion:	166	Resp:	124418
Ion Ratio	Lower	Upper	
166	100		
165	98.2	78.0	117.0
167	14.9	11.3	16.9

Manual Integrations
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#63

Phenanthrene-d10

Concen: 20.00 ng

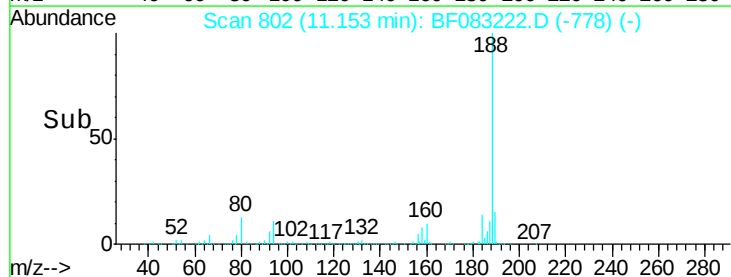
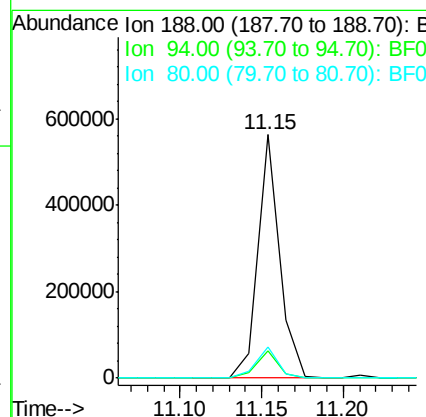
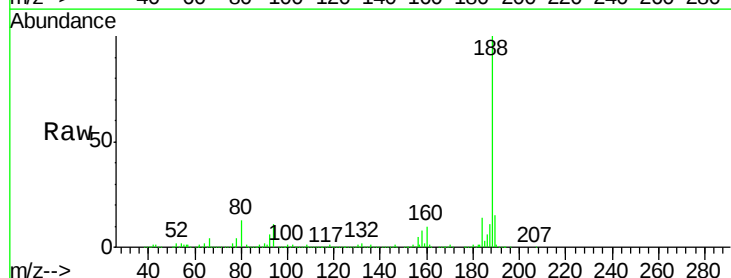
RT: 11.15 min Scan# 802

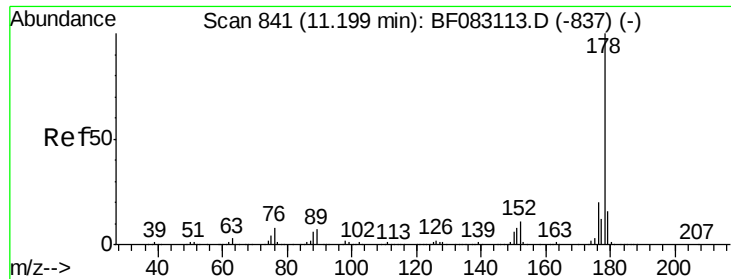
Delta R.T. -0.02 min

Lab File: BF083222.D

Acq: 24 Nov 2015 00:04

Tgt Ion:	188	Resp:	522318
Ion Ratio	Lower	Upper	
188	100		
94	11.3	6.0	9.0#
80	12.9	6.7	10.1#





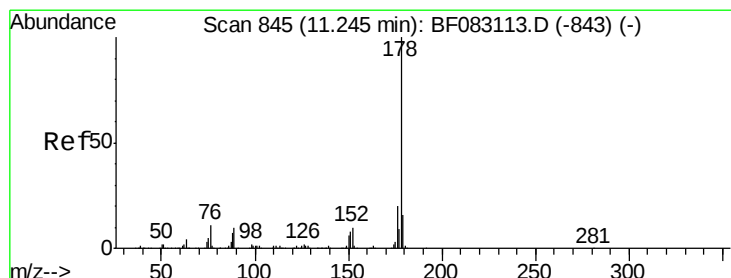
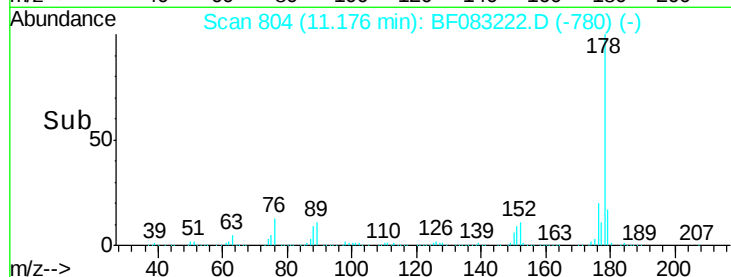
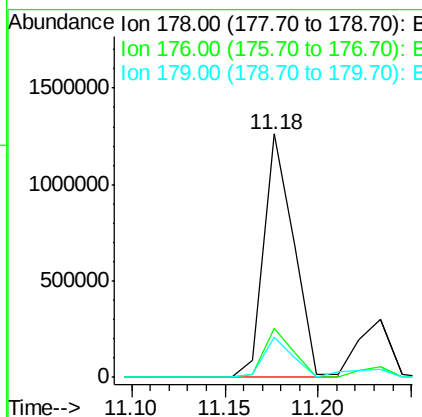
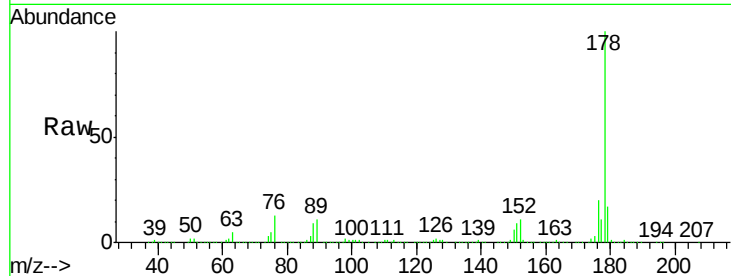
#70
Phenanthrene
Concen: 47.16 ng
RT: 11.18 min Scan# 804
Delta R.T. -0.02 min
Lab File: BF083222.D
Acq: 24 Nov 2015 00:04

Instrument :
BNA_F
ClientSampleId :
SB-7

Tot Ion:178 Resp: 1419062
Ion Ratio Lower Upper
178 100
176 20.3 16.2 24.2
179 16.6 12.8 19.2

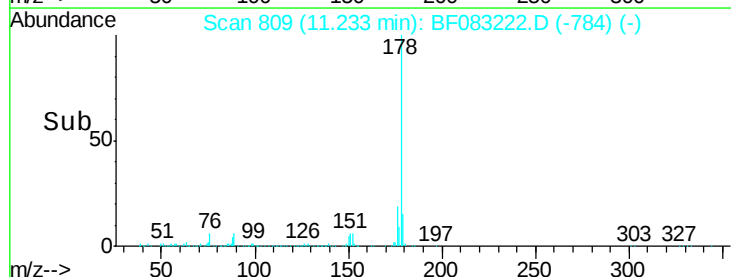
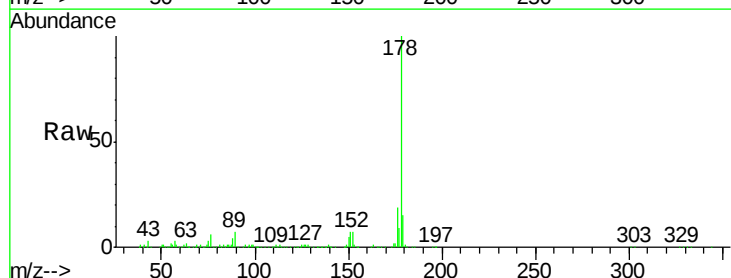
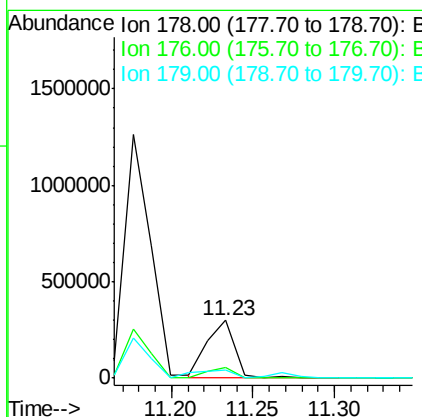
Manual Integrations
APPROVED

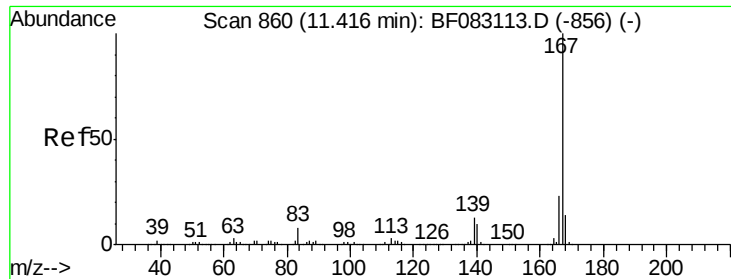
Mmdadoda
11/24/2015 1:20:08 PM



#71
Anthracene
Concen: 11.68 ng
RT: 11.23 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF083222.D
Acq: 24 Nov 2015 00:04

Tgt Ion:178 Resp: 358525
Ion Ratio Lower Upper
178 100
176 18.5 15.6 23.4
179 14.7 13.2 19.8





#72

Carbazole

Concen: 8.18 ng

RT: 11.39 min Scan# 823

Delta R.T. -0.02 min

Lab File: BF083222.D

Acq: 24 Nov 2015 00:04

Instrument :

BNA_F

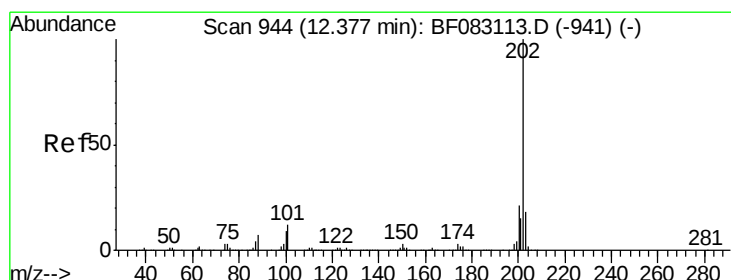
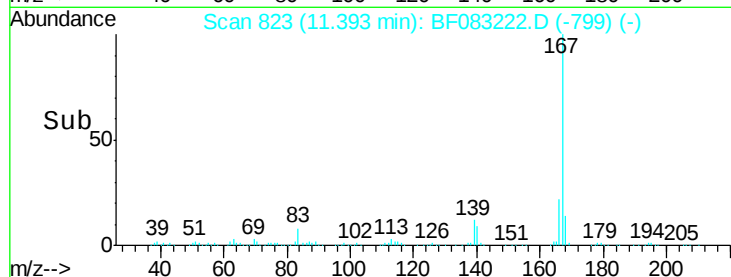
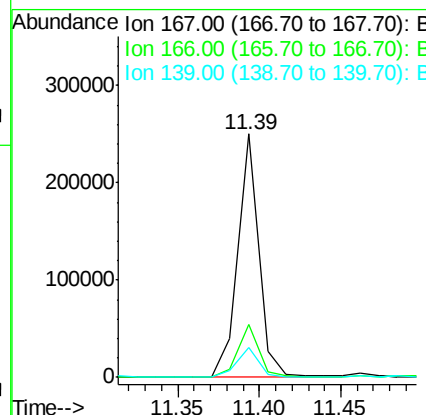
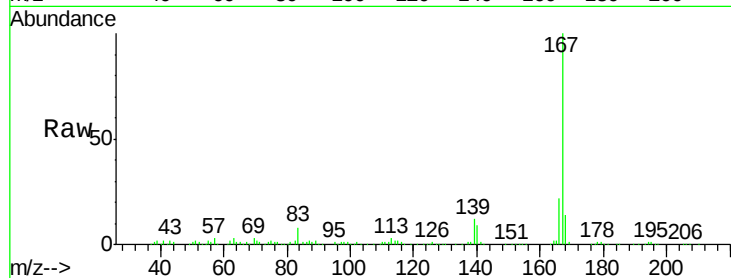
ClientSampleId :

SB-7

Tot Ion:	167	Resp:	223305
Ion Ratio	Lower	Upper	
167	100		
166	21.7	18.0	27.0
139	12.1	10.5	15.7

Manual Integrations
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#74

Fluoranthene

Concen: 59.00 ng

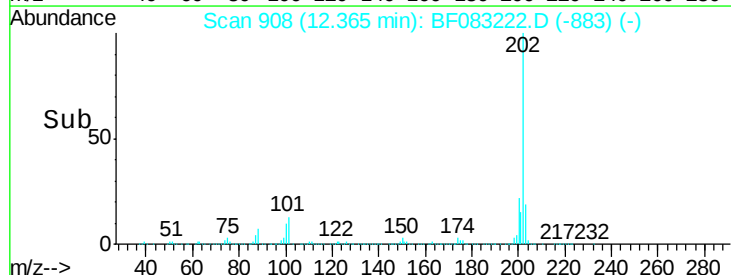
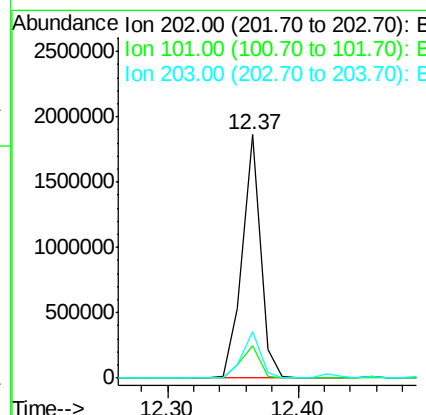
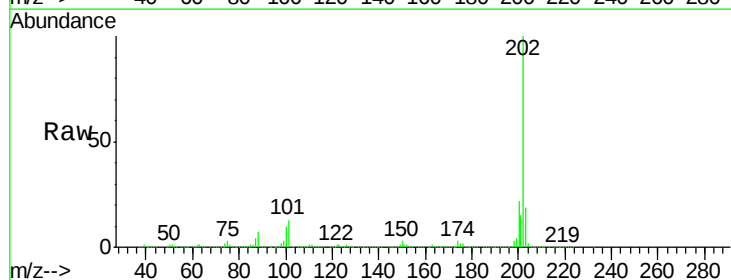
RT: 12.37 min Scan# 908

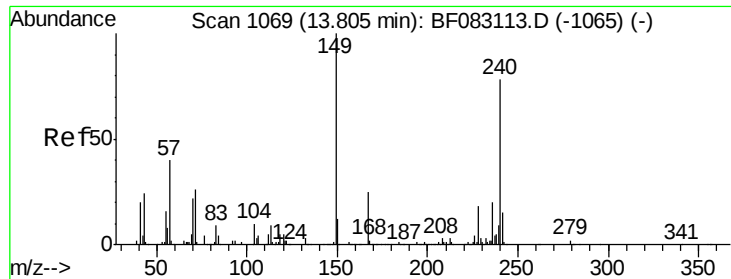
Delta R.T. -0.01 min

Lab File: BF083222.D

Acq: 24 Nov 2015 00:04

Tgt Ion:	202	Resp:	1817000
Ion Ratio	Lower	Upper	
202	100		
101	13.2	0.0	32.3
203	19.1	0.0	38.4





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.78 min Scan# 1032

Delta R.T. -0.02 min

Lab File: BF083222.D

Acq: 24 Nov 2015 00:04

Instrument :

BNA_F

ClientSampleId :

SB-7

Tot Ion:240 Resp: 425074

Ion Ratio Lower Upper

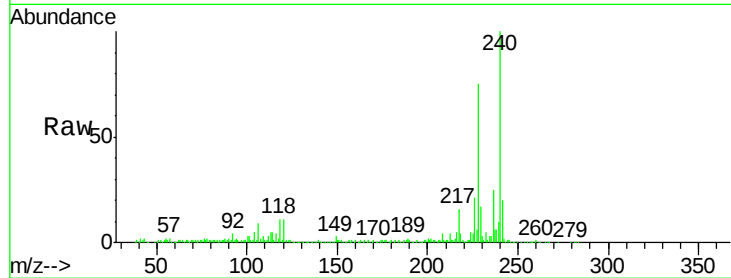
240 100

120 11.4 5.4 8.2#

236 25.0 20.6 31.0

Manual Integrations
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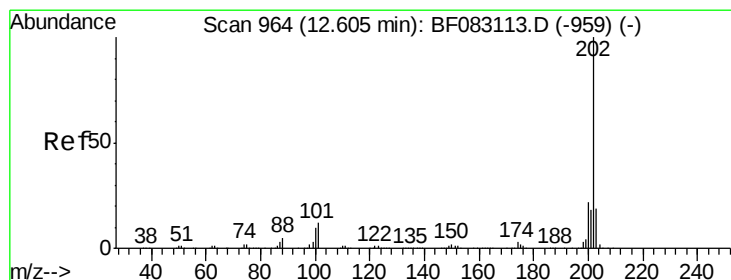
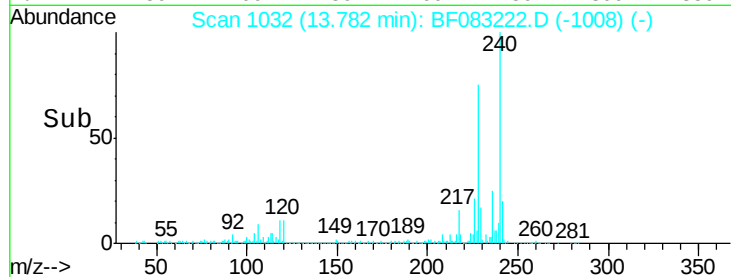
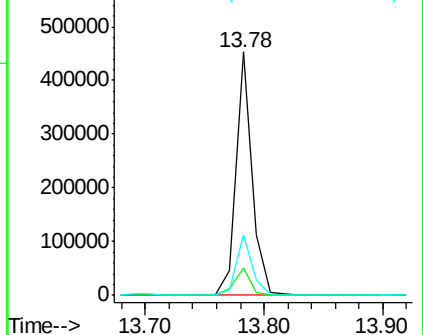
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 58.35 ng

RT: 12.59 min Scan# 928

Delta R.T. -0.01 min

Lab File: BF083222.D

Acq: 24 Nov 2015 00:04

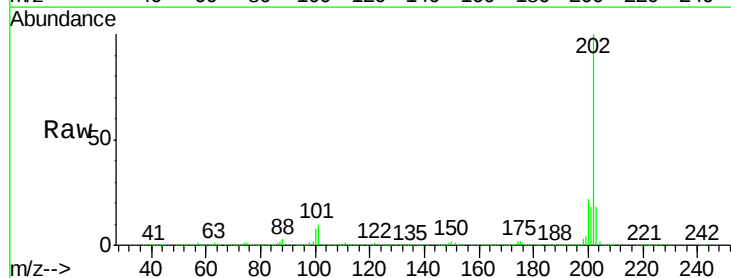
Tgt Ion:202 Resp: 1694477

Ion Ratio Lower Upper

202 100

200 21.8 17.8 26.6

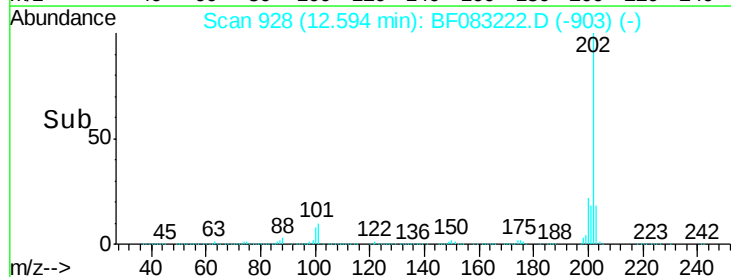
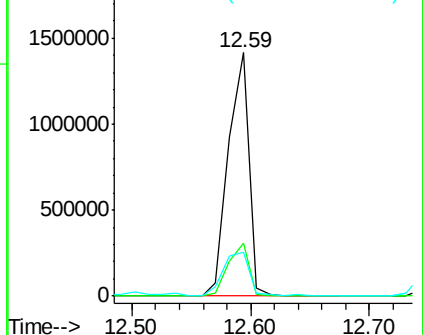
203 18.2 15.0 22.4

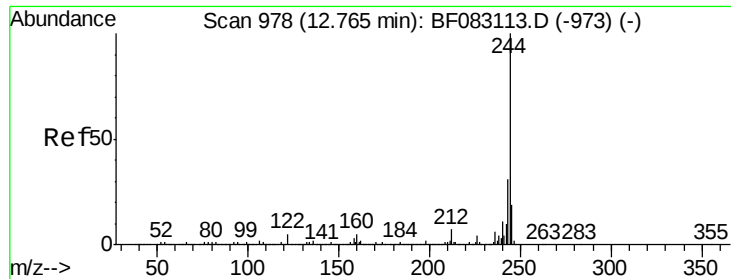


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 65.52 ng

RT: 12.74 min Scan# 941

Delta R.T. -0.02 min

Lab File: BF083222.D

Acq: 24 Nov 2015 00:04

Instrument :

BNA_F

ClientSampleId :

SB-7

Tot Ion:244 Resp: 1182632

Ion Ratio Lower Upper

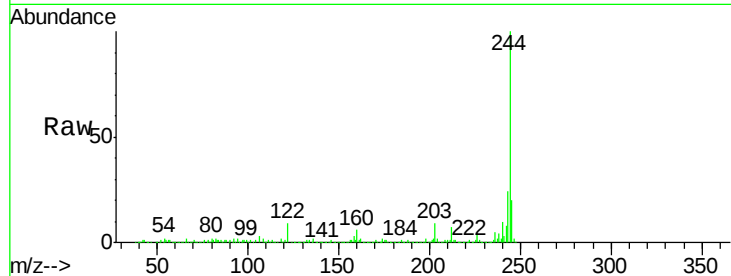
244 100

212 7.1 5.4 8.2

122 9.2 4.3 6.5#

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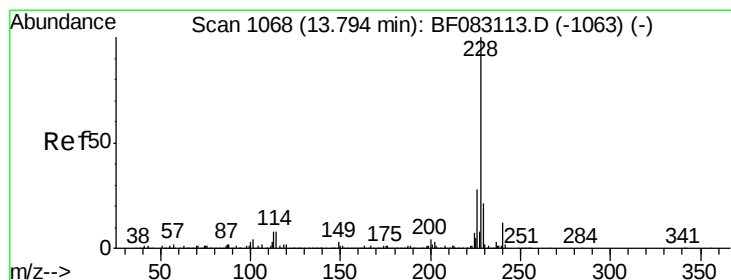
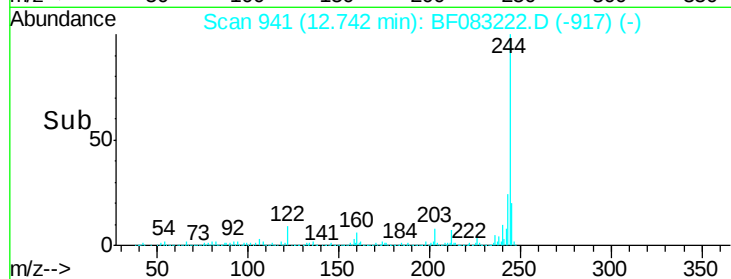
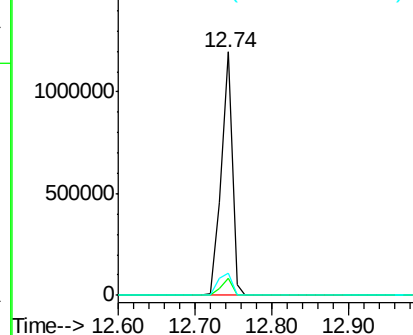
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 39.95 ng

RT: 13.77 min Scan# 1031

Delta R.T. -0.02 min

Lab File: BF083222.D

Acq: 24 Nov 2015 00:04

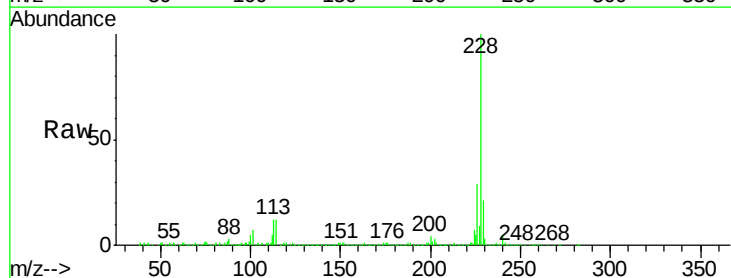
Tgt Ion:228 Resp: 1050172

Ion Ratio Lower Upper

228 100

226 28.9 22.6 33.8

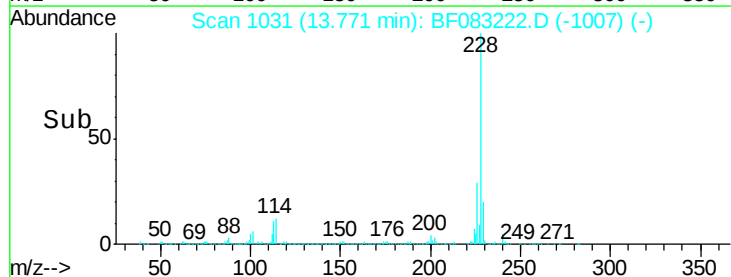
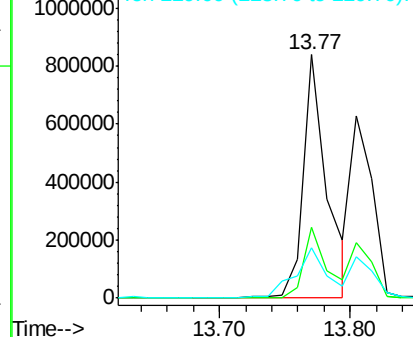
229 20.6 16.6 24.8

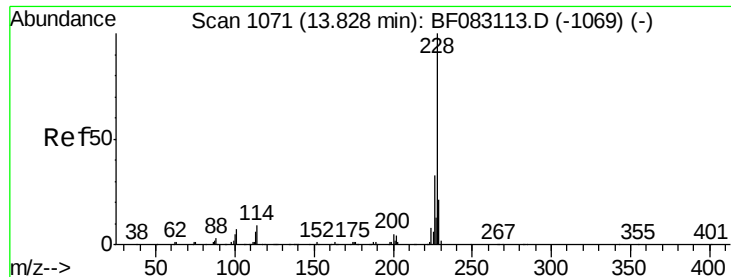


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 29.87 ng

RT: 13.81 min Scan# 1034

Delta R.T. -0.02 min

Lab File: BF083222.D

Acq: 24 Nov 2015 00:04

Instrument :

BNA_F

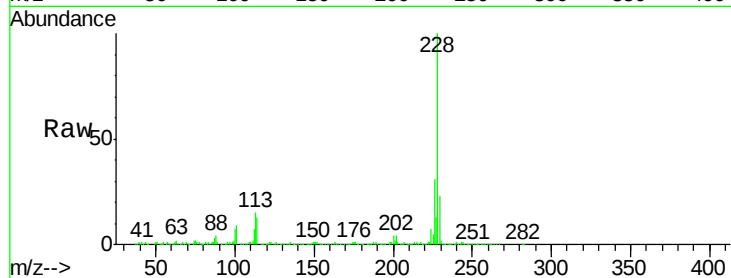
ClientSampleId :

SB-7

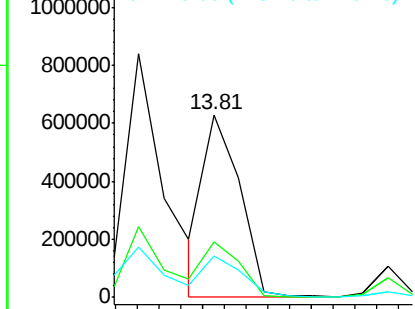
Tot Ion:	228	Resp:	728297
Ion Ratio		Lower	Upper
228	100		
226	30.7	25.5	38.3
229	22.5	16.6	25.0

Manual Integrations
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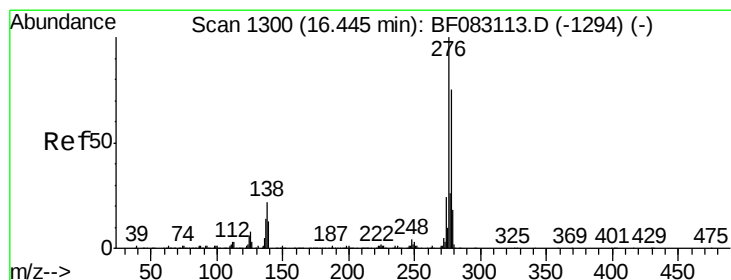
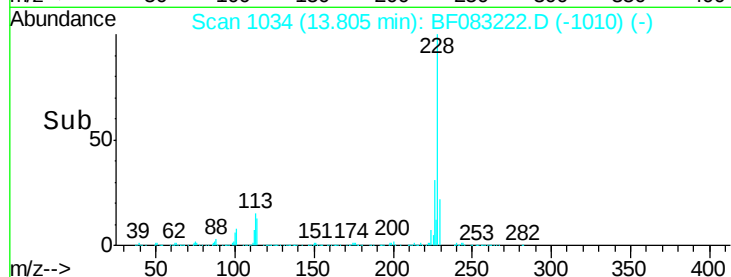
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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



Time-->



#85

Indeno(1,2,3-cd)pyrene

Concen: 15.85 ng

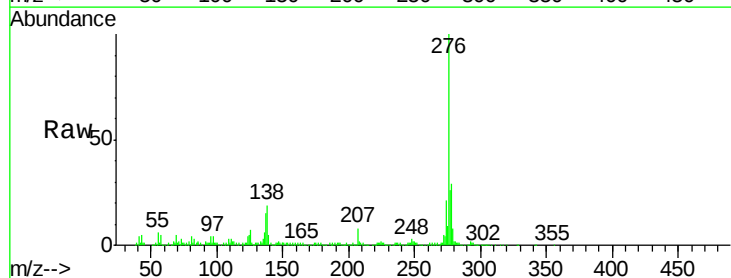
RT: 16.41 min Scan# 1262

Delta R.T. -0.03 min

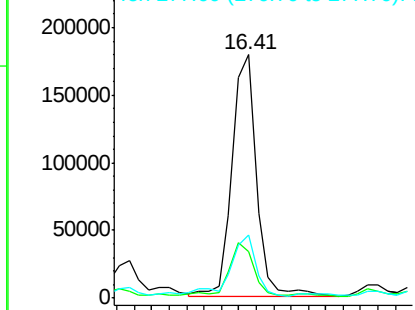
Lab File: BF083222.D

Acq: 24 Nov 2015 00:04

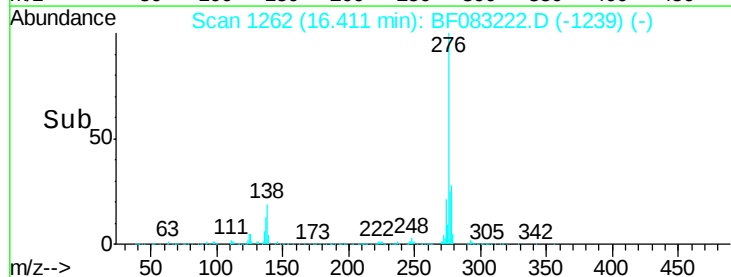
Tgt Ion:	276	Resp:	351425
Ion Ratio		Lower	Upper
276	100		
138	24.0	18.0	27.0
277	28.7	20.2	30.4

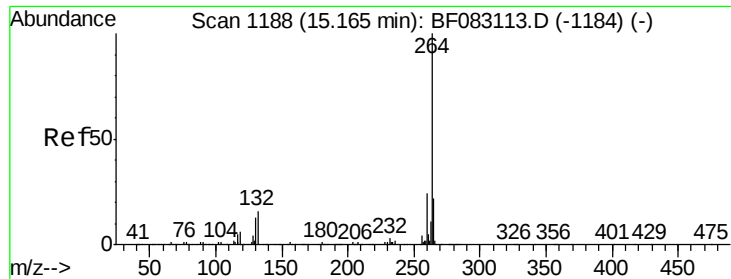


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



Time-->





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.14 min Scan# 1151

Delta R.T. -0.02 min

Lab File: BF083222.D

Acq: 24 Nov 2015 00:04

Instrument :

BNA_F

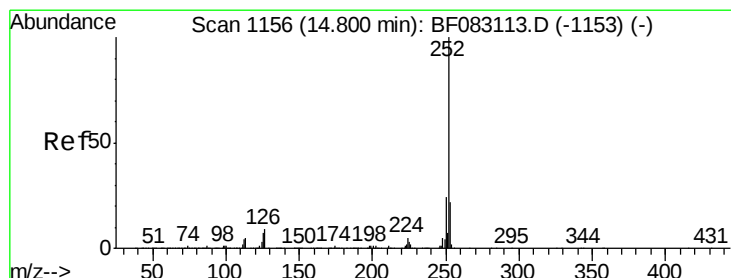
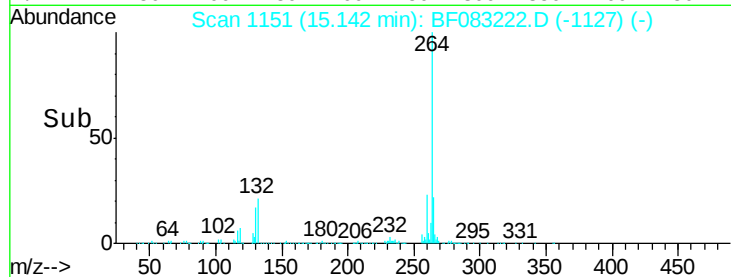
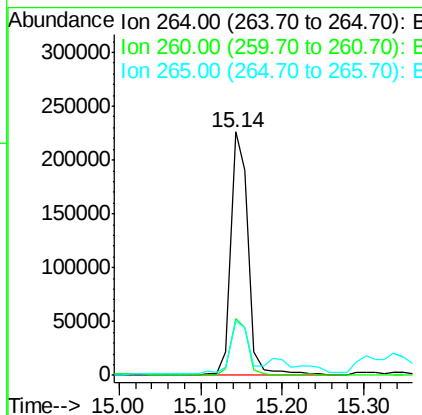
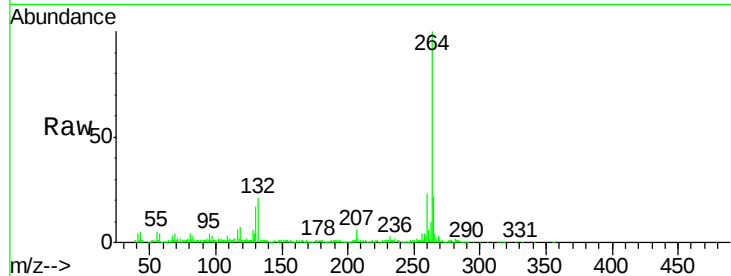
ClientSampleId :

SB-7

Tot Ion:	264	Resp:	329953
Ion Ratio	Lower	Upper	
264	100		
260	23.2	19.1	28.7
265	22.1	18.2	27.4

Manual Integrations
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#87

Benzo(b)fluoranthene

Concen: 39.36 ng m

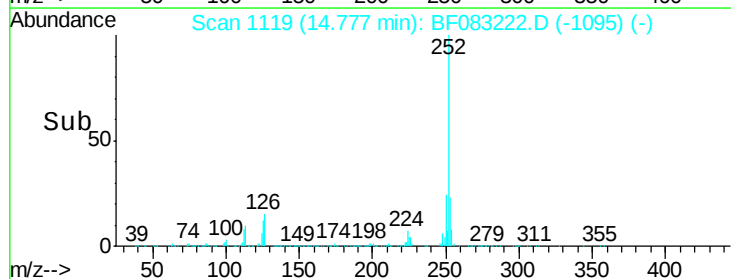
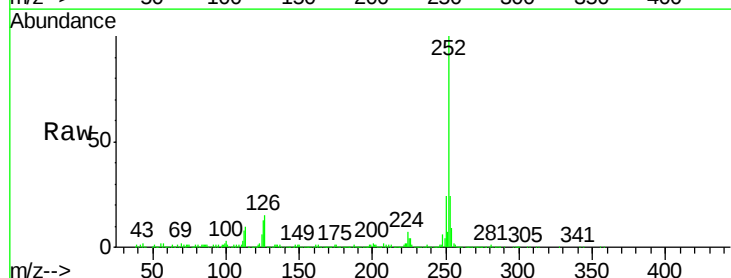
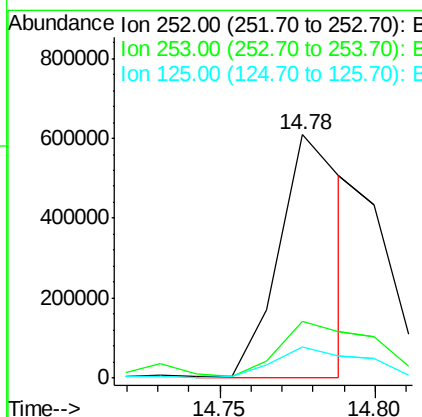
RT: 14.78 min Scan# 1119

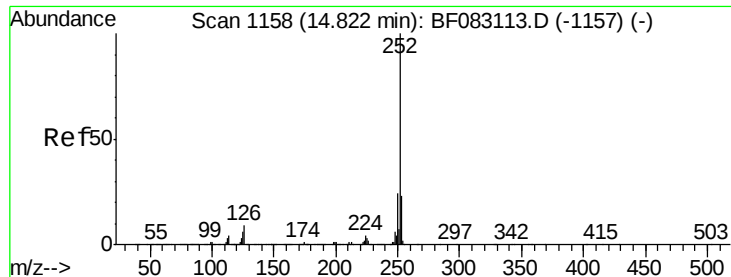
Delta R.T. -0.02 min

Lab File: BF083222.D

Acq: 24 Nov 2015 00:04

Tgt Ion:	252	Resp:	887410
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.7	26.5
125	12.8	5.6	8.4#





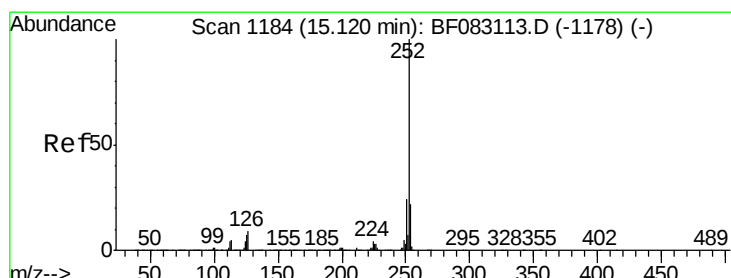
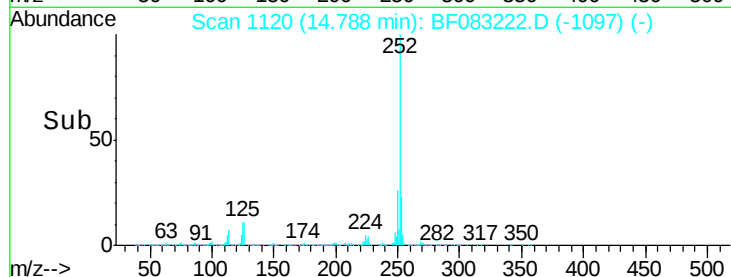
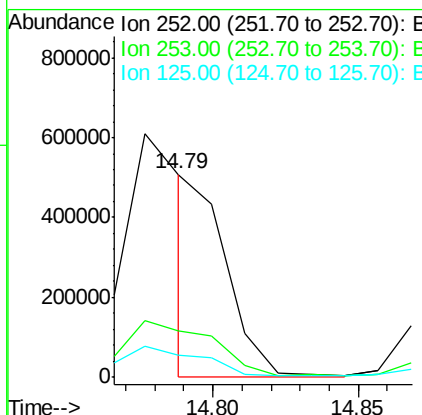
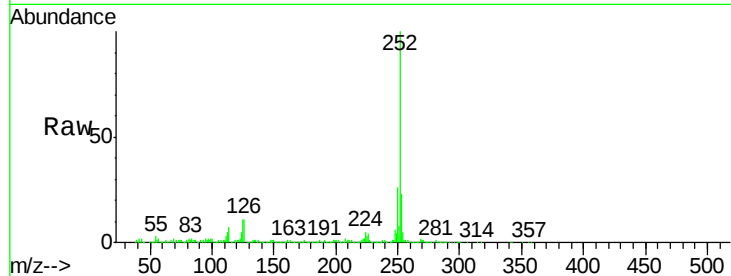
#88
Benzo(k)fluoranthene
Concen: 23.14 ng m
RT: 14.79 min Scan# 1120
Delta R.T. -0.03 min
Lab File: BF083222.D
Acq: 24 Nov 2015 00:04

Instrument :
BNA_F
ClientSampleId :
SB-7

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	23.1	18.2	27.2
125	11.1	6.8	10.2

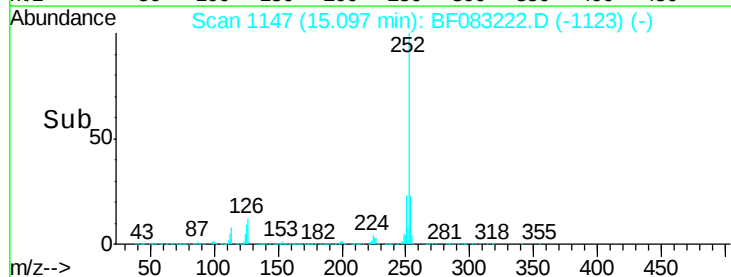
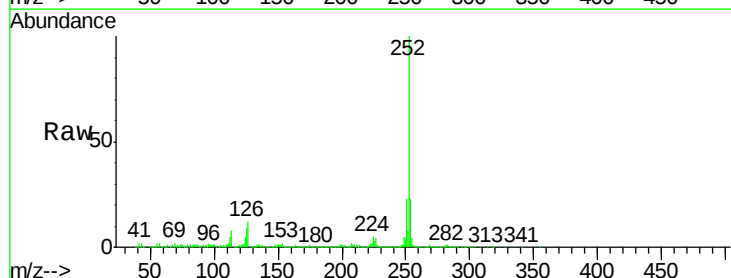
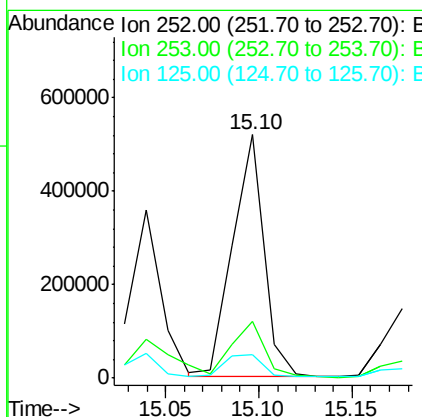
Manual Integrations
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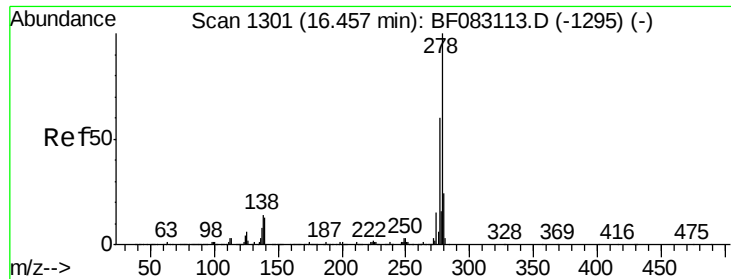
Mmdadoda
11/24/2015 1:20:08 PM



#89
Benzo(a)pyrene
Concen: 33.08 ng
RT: 15.10 min Scan# 1147
Delta R.T. -0.02 min
Lab File: BF083222.D
Acq: 24 Nov 2015 00:04

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	23.4	17.5	26.3
125	9.4	5.4	8.0





#90

Dibenzo(a,h)anthracene

Concen: 5.02 ng/mL

RT: 16.41 min Scan# 1262

Delta R.T. -0.05 min

Lab File: BF083222.D

Acq: 24 Nov 2015 00:04

Instrument :

BNA_F

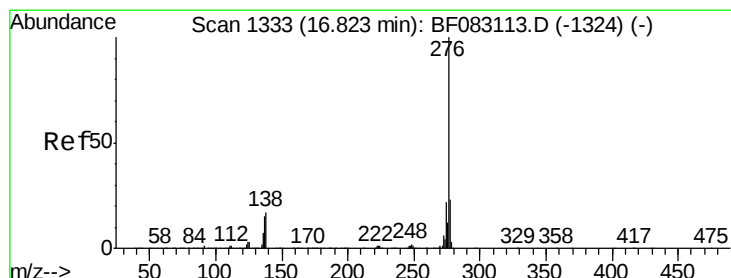
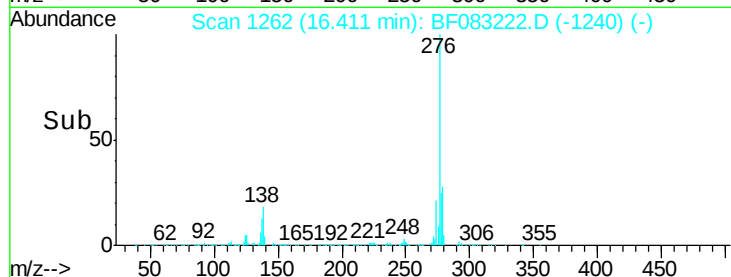
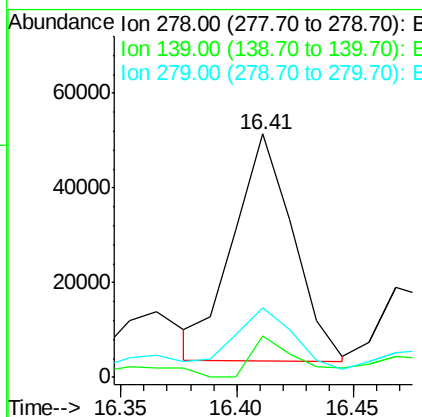
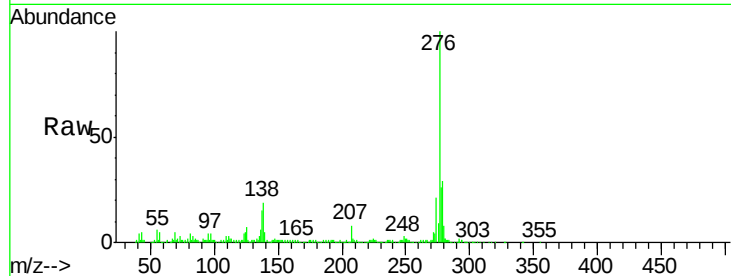
ClientSampleId :

SB-7

Tot Ion:	278	Resp:	84845
Ion Ratio	Lower	Upper	
278	100		
139	17.2	10.7	16.1#
279	28.7	19.3	28.9

Manual Integrations
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11/24/2015 1:20:08 PM



#91

Benzo(g,h,i)perylene

Concen: 17.58 ng/mL

RT: 16.78 min Scan# 1294

Delta R.T. -0.05 min

Lab File: BF083222.D

Acq: 24 Nov 2015 00:04

Tgt Ion:	276	Resp:	290148
Ion Ratio	Lower	Upper	
276	100		
277	23.0	18.7	28.1
138	23.4	13.9	20.9#

