

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112817\
 Data File : BF100933.D
 Acq On : 28 Nov 2017 14:55
 Operator : SJ/JU
 Sample : I6578-05
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BBR-2-E(4-5)

Manual Integrations
 APPROVED

Sohil
 11/29/2017 4:28:29 PM

Quant Time: Nov 29 06:28:20 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 28 15:21:02 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	62536	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	233181	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	101258	20.00	ng	0.00
63) Phenanthrene-d10	11.38	188	156278	20.00	ng	0.00
75) Chrysene-d12	14.03	240	121880	20.00	ng	0.00
86) Perylene-d12	15.50	264	141399	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	392451	100.60	ng	0.00
7) Phenol-d6	6.49	99	465318	96.73	ng	0.00
23) Nitrobenzene-d5	7.42	82	288410	81.77	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	110108	106.71	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	613622	92.28	ng	0.00
78) Terphenyl-d14	12.97	244	413854	78.02	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.50	94	12512	2.478	ng	# 54
48) Acenaphthylene	9.76	152	43549	4.136	ng	98
49) Dimethylphthalate	9.60	163	47555	6.151	ng	98
51) Acenaphthene	9.93	154	25364	3.961	ng	95
54) Dibenzofuran	10.10	168	19942	2.222	ng	# 98
57) Fluorene	10.44	166	26642	4.052	ng	95
70) Phenanthrene	11.41	178	523030	63.565	ng	99
71) Anthracene	11.46	178	106209	12.723	ng	98
72) Carbazole	11.61	167	45203	5.868	ng	99
74) Fluoranthene	12.60	202	957786	109.833	ng	97
77) Pyrene	12.84	202	955524	109.981	ng	100
80) Benzo(a)anthracene	14.02	228	548085	74.675	ng	95
82) Chrysene	14.06	228	565890m	79.620	ng	
85) Indeno(1,2,3-cd)pyrene	16.99	276	302776	52.668	ng	# 87
87) Benzo(b)fluoranthene	15.08	252	725731m	86.632	ng	
88) Benzo(k)fluoranthene	15.10	252	205832m	26.005	ng	
89) Benzo(a)pyrene	15.45	252	549675	74.014	ng	96
90) Dibenzo(a,h)anthracene	16.99	278	75750	12.472	ng	# 74
91) Benzo(a,h,i)perylene	17.44	276	273237	45.958	ng	# 92

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

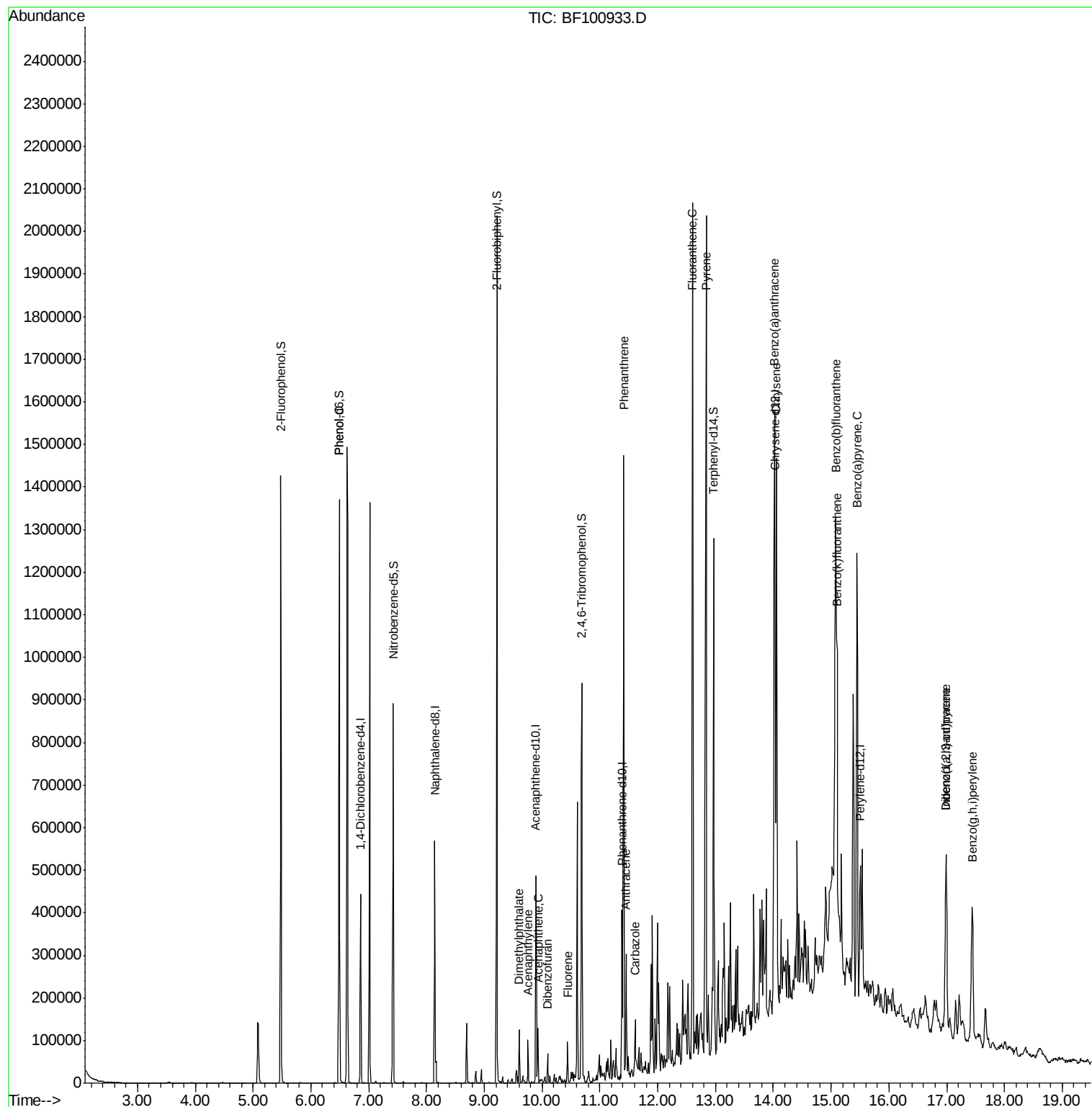
Data Path : Z:\HPCHEM1\BNA F\DATA\BF112817\
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
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#1

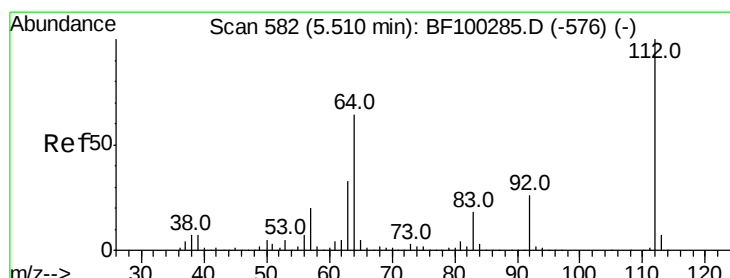
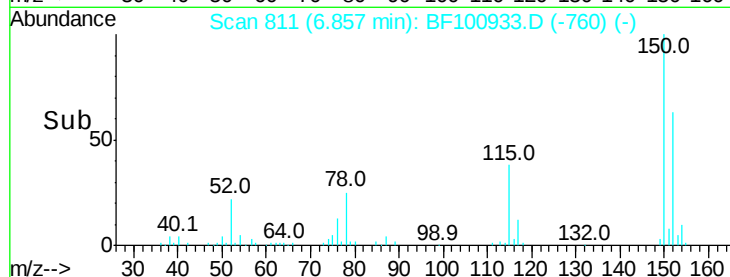
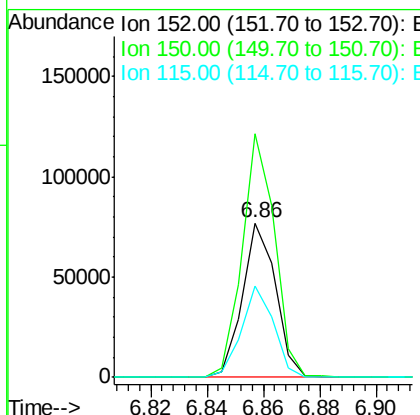
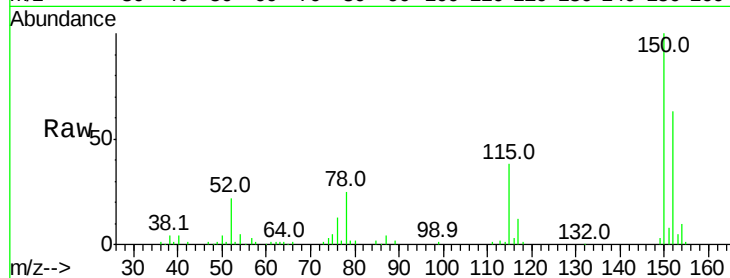
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.00 min
Lab File: BF100933.D
Acq: 28 Nov 2017 14:55

Instrument :
BNA_F
ClientSampleId :
BBR-2-E(4-5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.8	124.6	186.8
115	59.5	50.1	75.1

Manual Integrations
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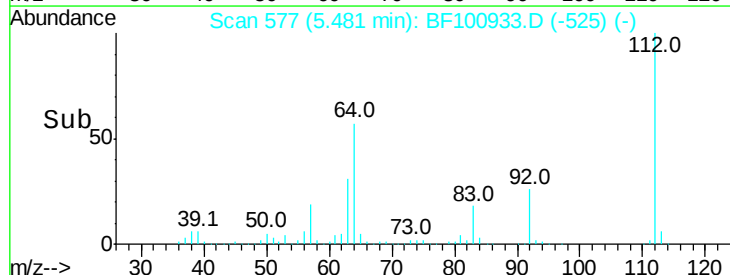
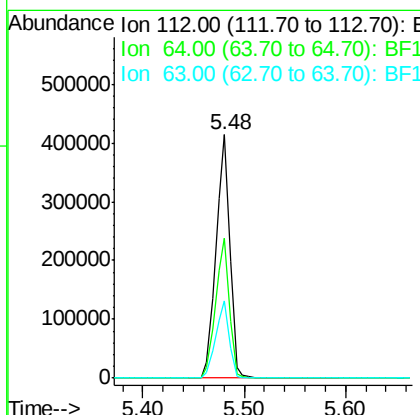
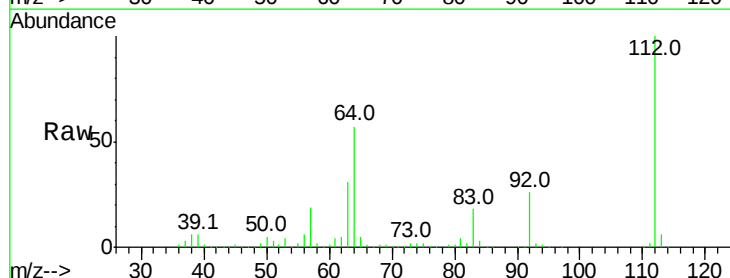
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#5

2-Fluorophenol
Concen: 100.597 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.01 min
Lab File: BF100933.D
Acq: 28 Nov 2017 14:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.4	47.9	71.9
63	31.5	23.7	35.5





#7

Phenol-d6

Concen: 96.725 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.00 min

Lab File: BF100933.D

Acq: 28 Nov 2017 14:55

Instrument :

BNA_F

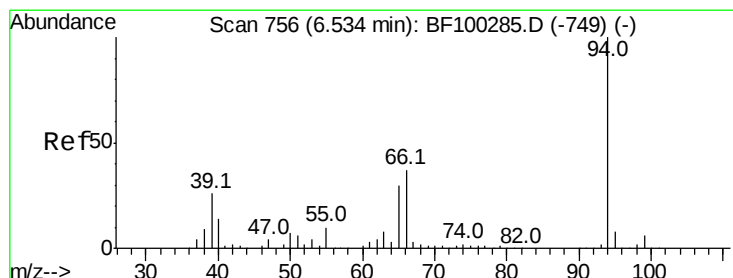
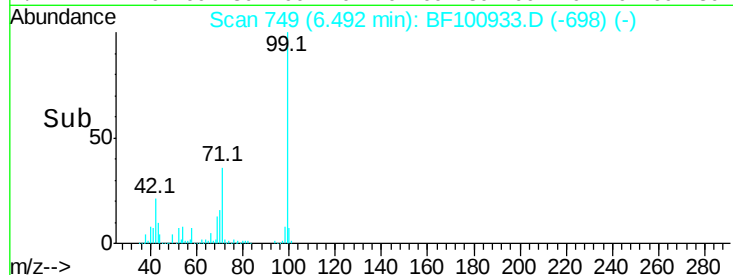
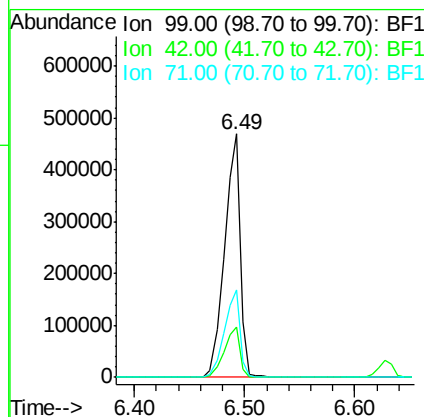
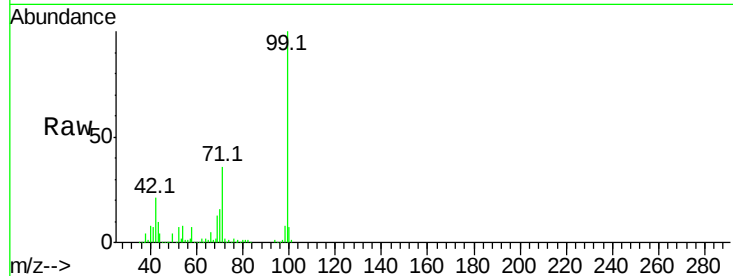
ClientSampleId :

BBR-2-E(4-5)

Tot Ion:	99	Resp:	465318
Ion Ratio	Lower	Upper	
99	100		
42	20.6	14.5	21.7
71	36.0	25.4	38.0

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#10

Phenol

Concen: 2.478 ng

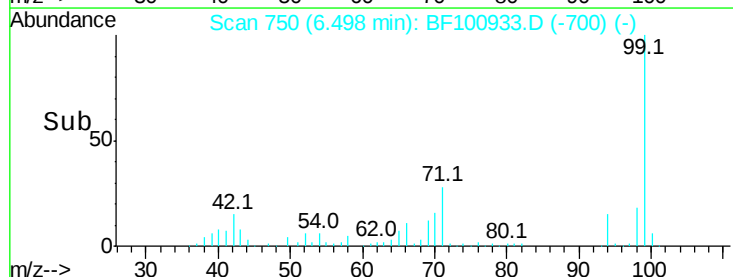
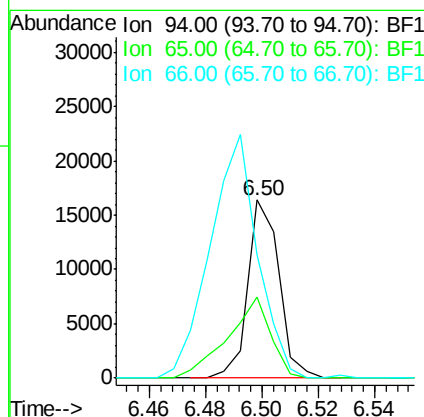
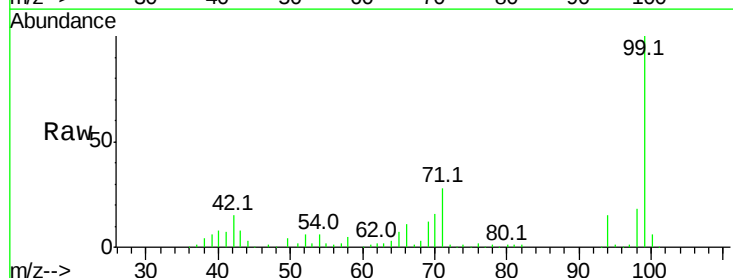
RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF100933.D

Acq: 28 Nov 2017 14:55

Tgt Ion:	94	Resp:	12512
Ion Ratio	Lower	Upper	
94	100		
65	45.3	7.9	47.9
66	69.6	16.2	56.2#





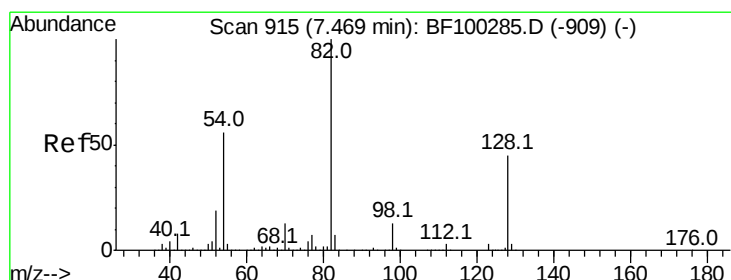
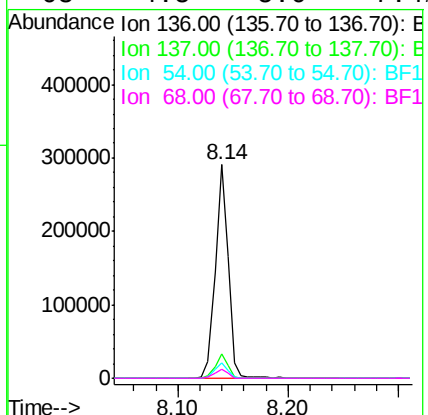
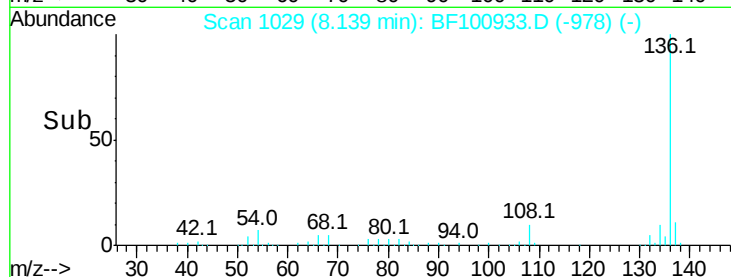
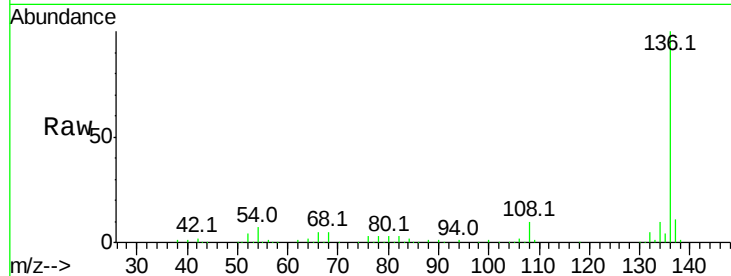
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.00 min
Lab File: BF100933.D
Acq: 28 Nov 2017 14:55

Instrument :
BNA_F
ClientSampleId :
BBR-2-E(4-5)

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.2	8.9	13.3	
54	7.5	6.6	9.8	
68	4.5	5.0	7.4	

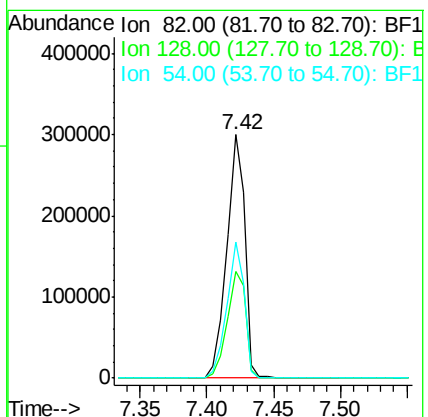
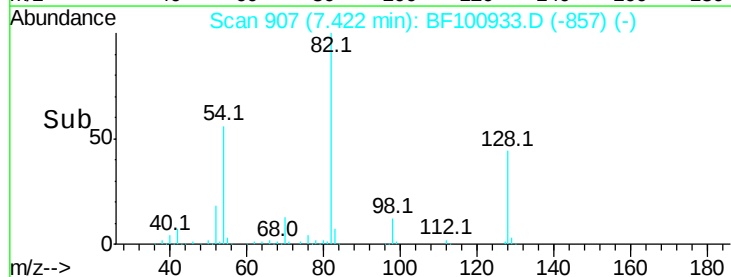
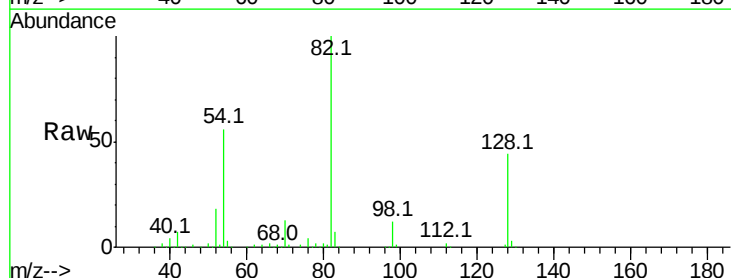
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#23
Nitrobenzene-d5
Concen: 81.772 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.01 min
Lab File: BF100933.D
Acq: 28 Nov 2017 14:55

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	43.9	36.1	54.1	
54	55.9	41.4	62.2	





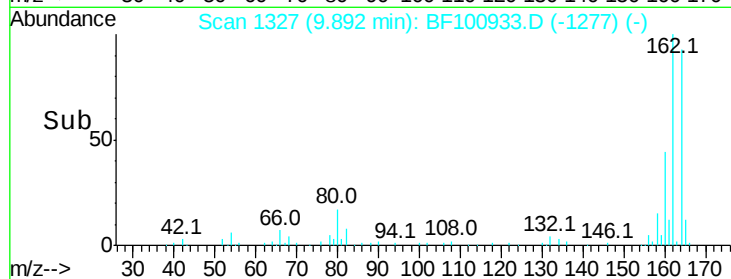
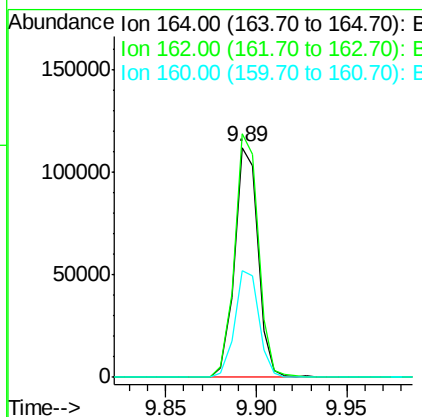
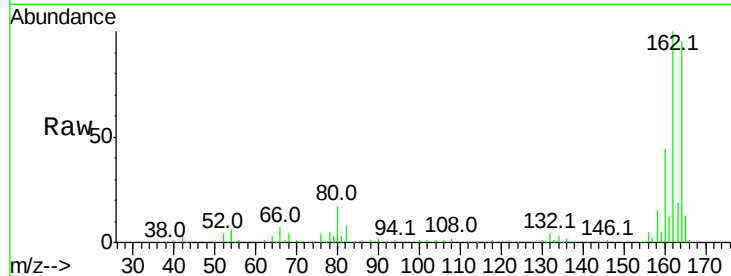
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF100933.D
Acq: 28 Nov 2017 14:55

Instrument :
BNA_F
ClientSampleId :
BBR-2-E(4-5)

Tot Ion	Ratio	Resp	Lower	Upper
164	100	101258		
162	105.8	86.1	129.1	
160	46.4	38.3	57.5	

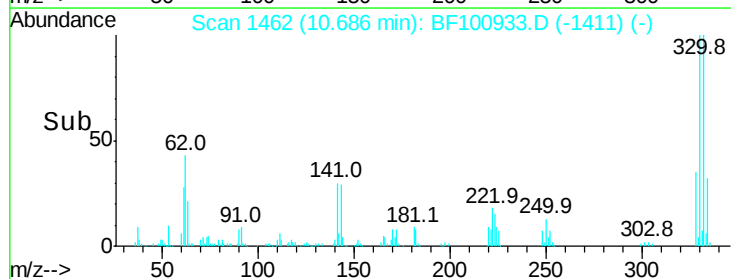
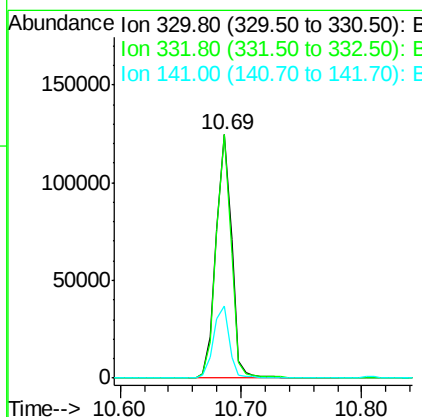
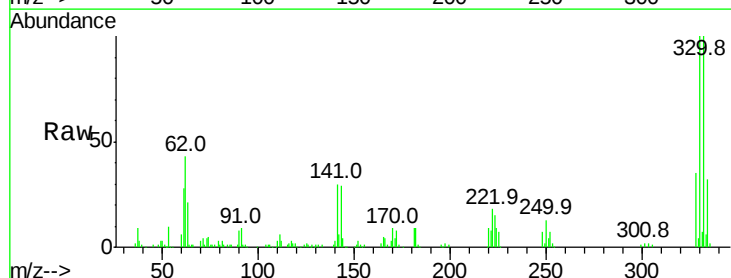
Manual Integrations
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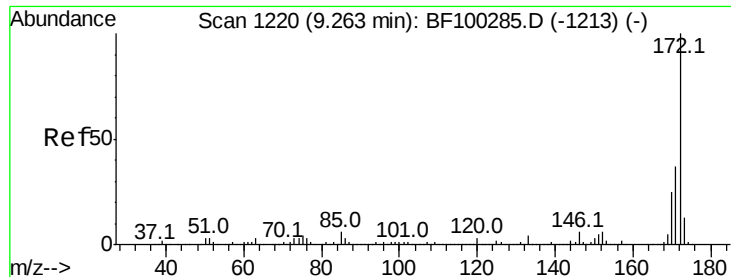
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#41
2,4,6-Tribromophenol
Concen: 106.712 ng
RT: 10.69 min Scan# 1462
Delta R.T. -0.00 min
Lab File: BF100933.D
Acq: 28 Nov 2017 14:55

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	110108		
332	96.6	77.0	115.6	
141	31.0	29.9	44.9	





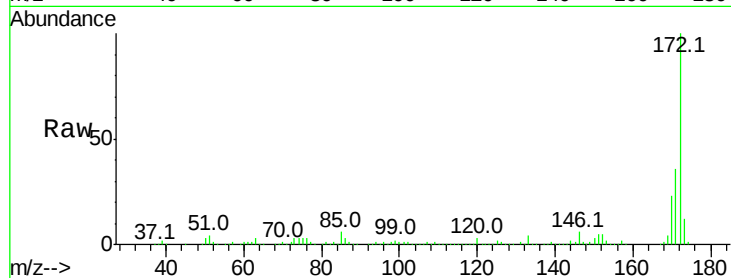
#44
2-Fluorobiphenyl
Concen: 92.276 ng
RT: 9.22 min Scan# 1212
Delta R.T. -0.00 min
Lab File: BF100933.D
Acq: 28 Nov 2017 14:55

Instrument :
BNA_F
ClientSampled :
BBR-2-E(4-5)

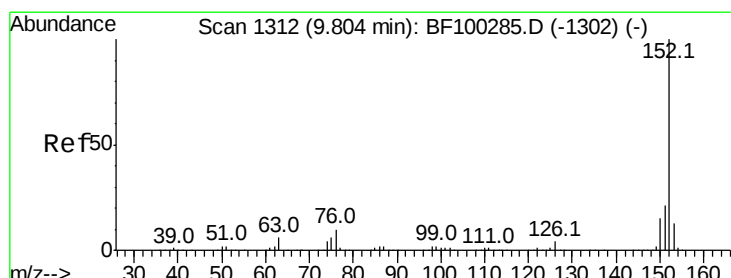
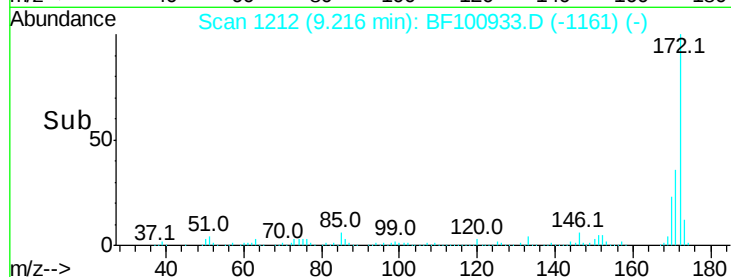
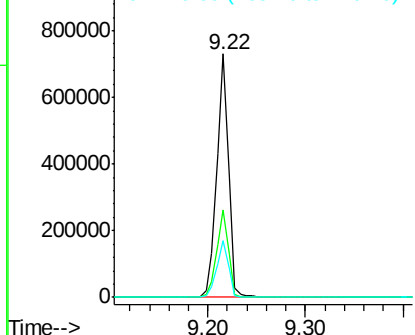
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.7	44.5
170	23.5	19.6	29.4

Manual Integrations
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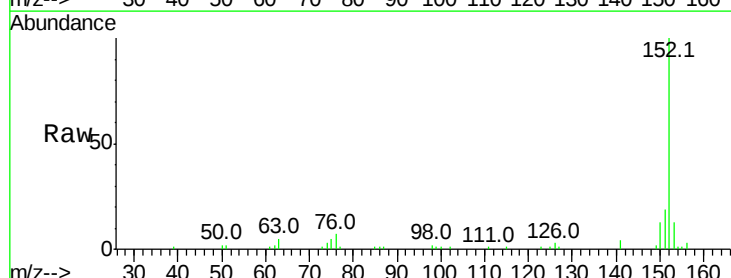


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

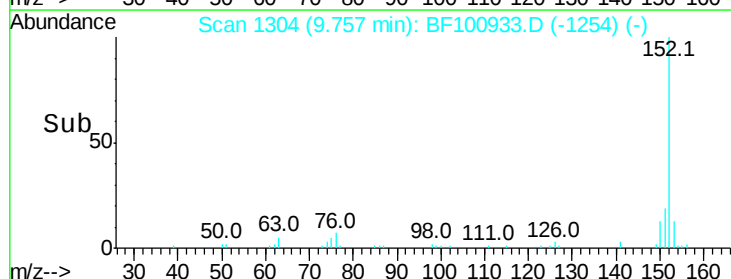
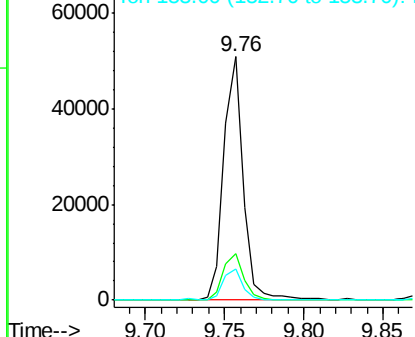


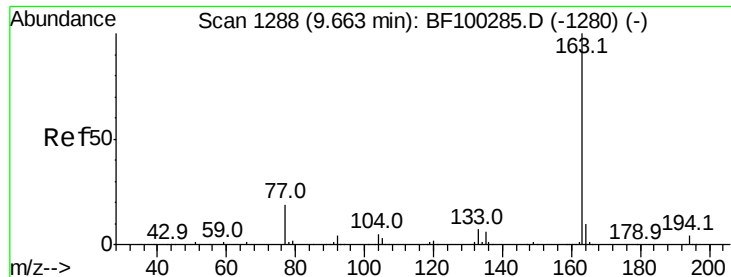
#48
Acenaphthylene
Concen: 4.136 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF100933.D
Acq: 28 Nov 2017 14:55

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.0	16.3	24.5
153	12.9	10.7	16.1



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





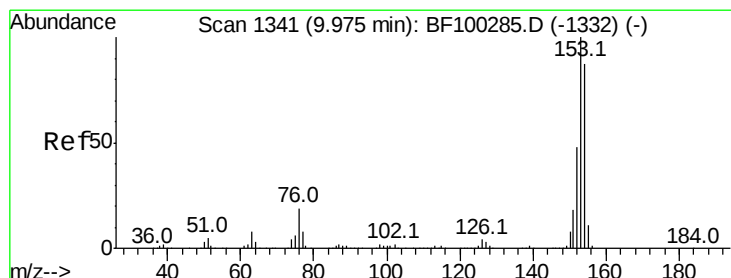
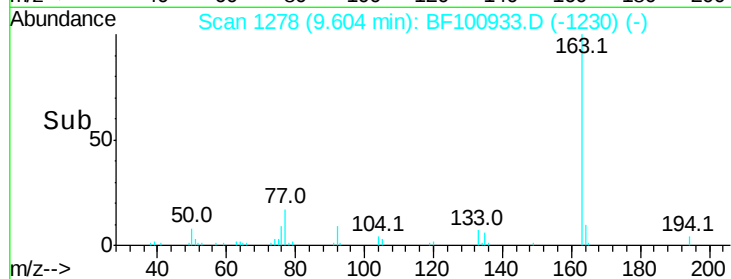
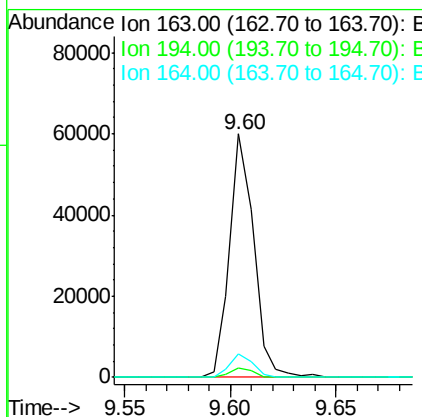
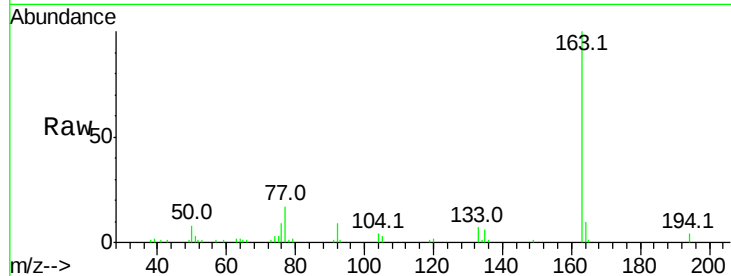
#49
 Dimethylphthalate
 Concen: 6.151 ng
 RT: 9.60 min Scan# 1278
 Delta R.T. -0.02 min
 Lab File: BF100933.D
 Acq: 28 Nov 2017 14:55

Instrument :
 BNA_F
 ClientSampleId :
 BBR-2-E(4-5)

Tot Ion	Ratio	Resp	Lower	Upper
163	100	47555		
194	3.8		2.7	4.1
164	9.6		8.2	12.2

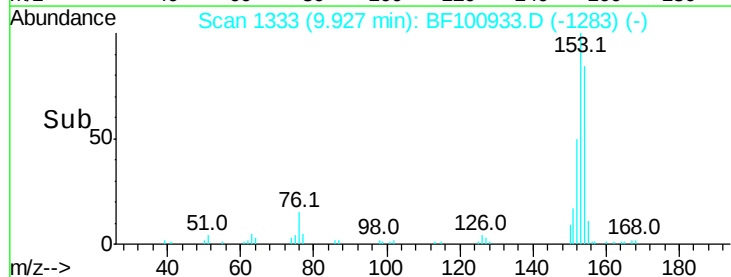
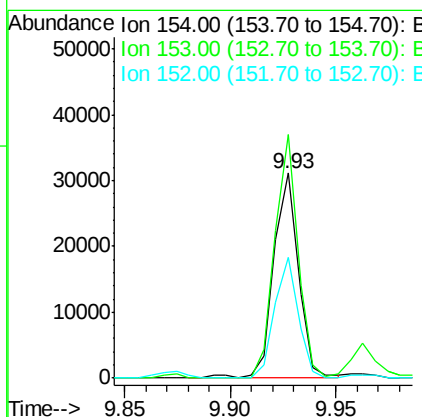
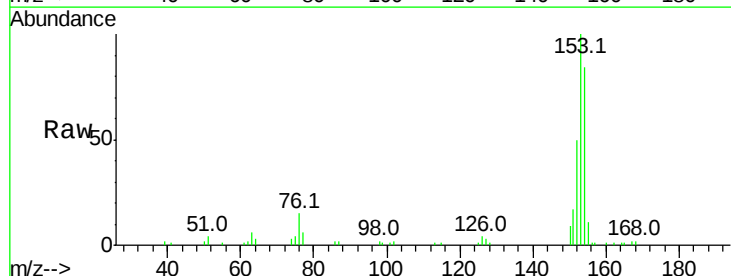
Manual Integrations
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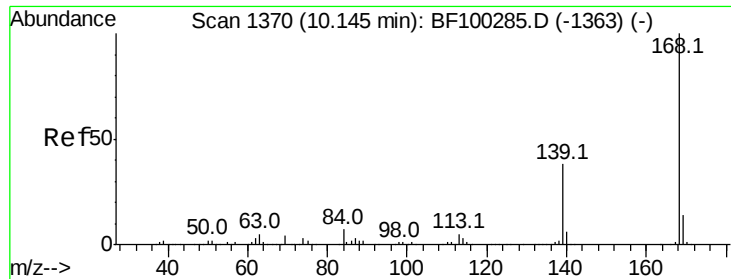
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#51
 Acenaphthene
 Concen: 3.961 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. -0.01 min
 Lab File: BF100933.D
 Acq: 28 Nov 2017 14:55

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	25364		
153	118.8		91.2	136.8
152	58.8		43.8	65.8





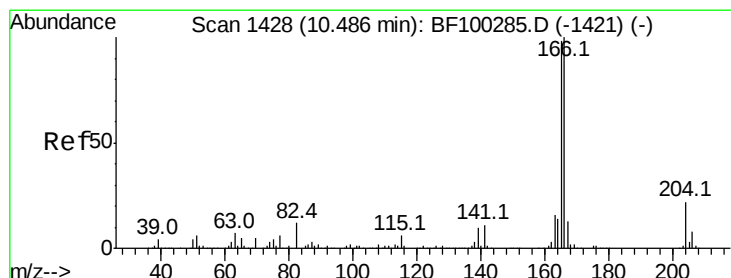
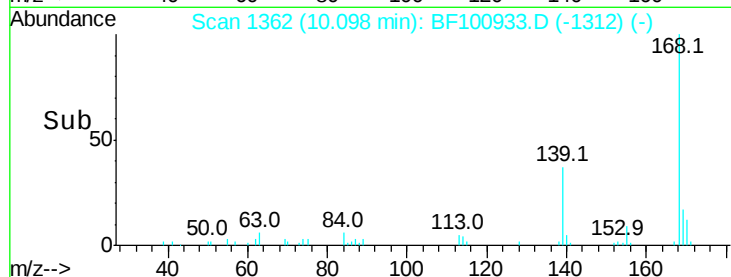
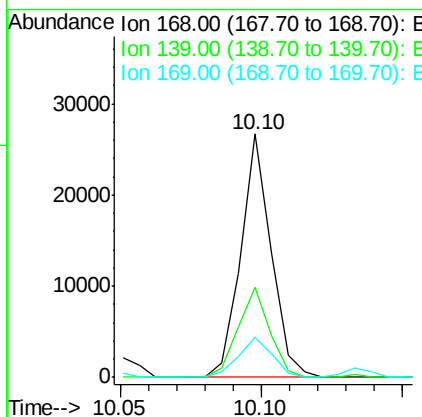
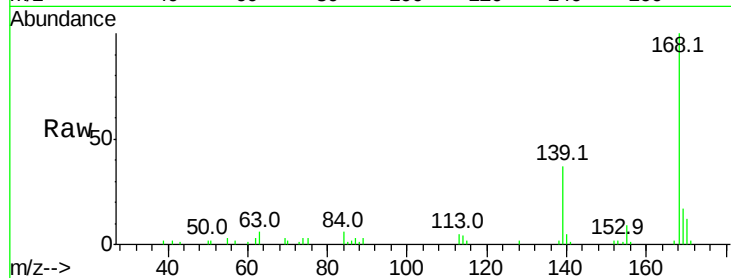
#54
Dibenzenofuran
Concen: 2.222 ng
RT: 10.10 min Scan# 1362
Delta R.T. -0.01 min
Lab File: BF100933.D
Acq: 28 Nov 2017 14:55

Instrument :
BNA_F
ClientSampleId :
BBR-2-E(4-5)

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.2	30.1	45.1
169	16.6	10.9	16.3

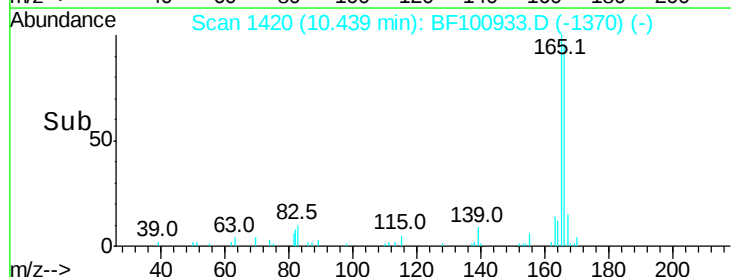
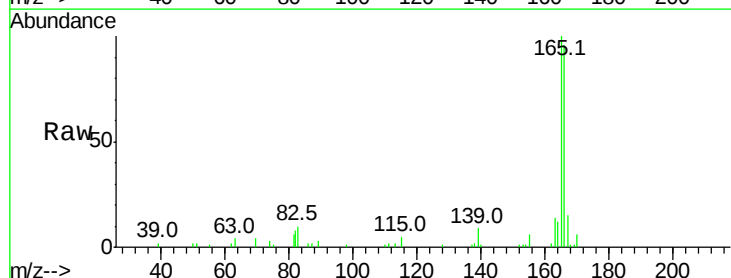
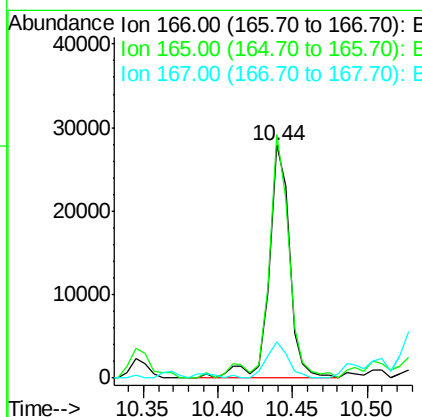
Manual Integrations
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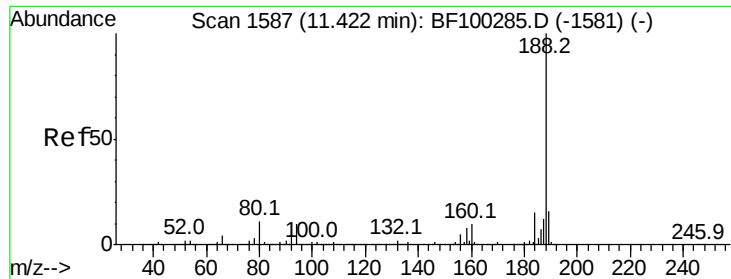
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#57
Fluorene
Concen: 4.052 ng
RT: 10.44 min Scan# 1420
Delta R.T. -0.01 min
Lab File: BF100933.D
Acq: 28 Nov 2017 14:55

Tgt Ion	Ratio	Lower	Upper
166	100		
165	104.5	79.8	119.8
167	15.4	10.6	16.0





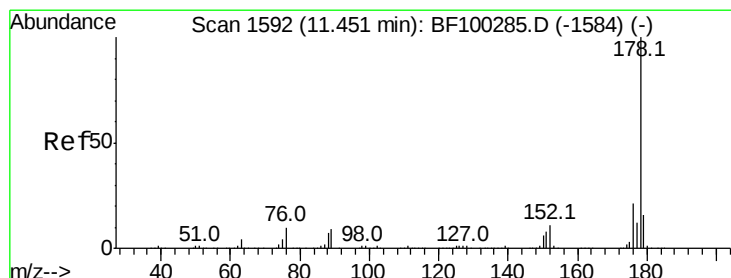
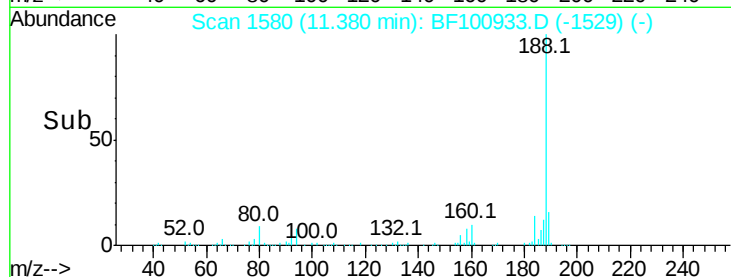
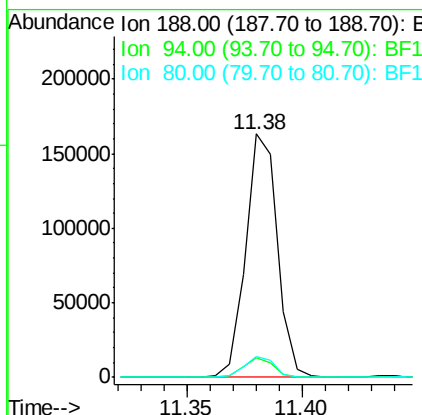
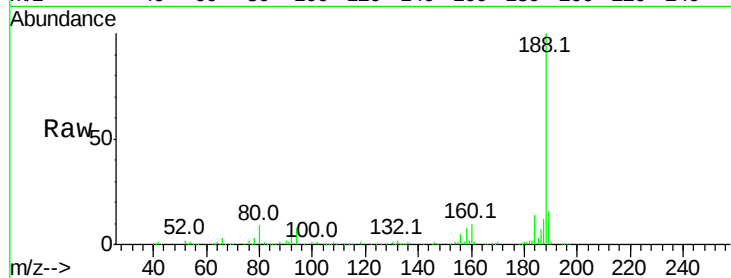
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.00 min
Lab File: BF100933.D
Acq: 28 Nov 2017 14:55

Instrument :
BNA_F
ClientSampleId :
BBR-2-E(4-5)

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.3	8.5	12.7#
80	8.6	9.2	13.8#

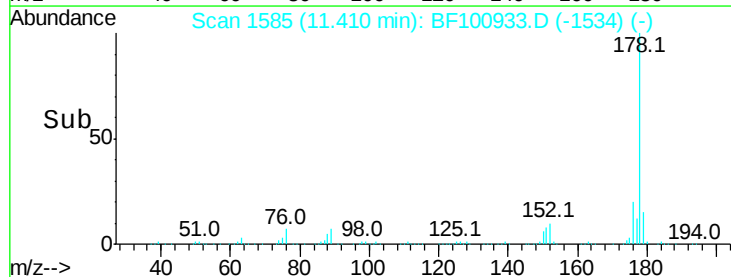
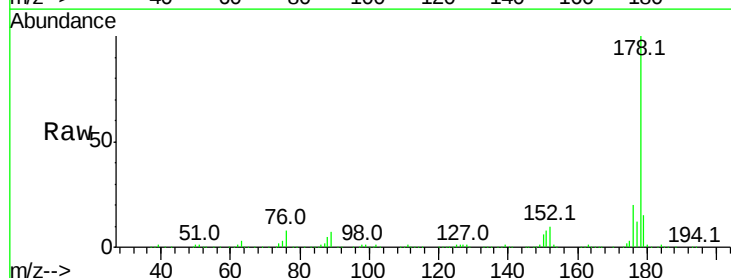
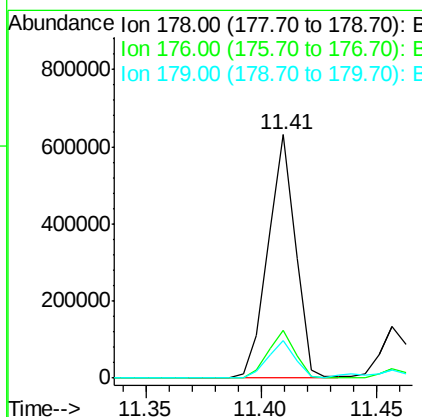
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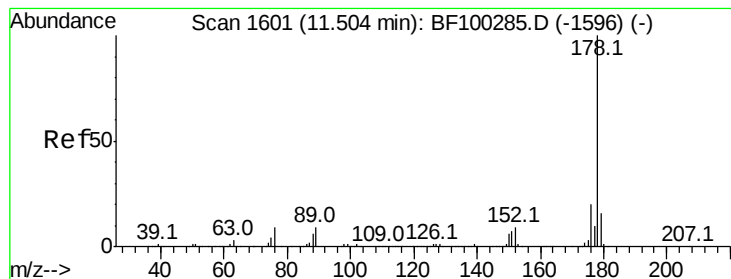
Sohil
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#70
Phenanthrene
Concen: 63.565 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.00 min
Lab File: BF100933.D
Acq: 28 Nov 2017 14:55

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.5	15.8	23.8
179	15.3	13.0	19.6





#71

Anthracene

Concen: 12.723 ng

RT: 11.46 min Scan# 1593

Delta R.T. -0.01 min

Lab File: BF100933.D

Acq: 28 Nov 2017 14:55

Instrument :

BNA_F

ClientSampleId :

BBR-2-E(4-5)

Tot Ion:178 Resp: 106209

Ion Ratio Lower Upper

178 100

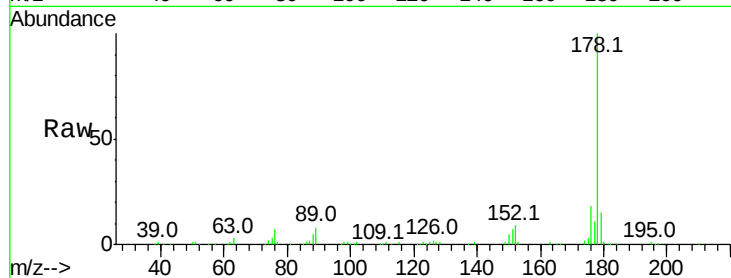
176 18.0 15.4 23.2

179 15.0 12.6 19.0

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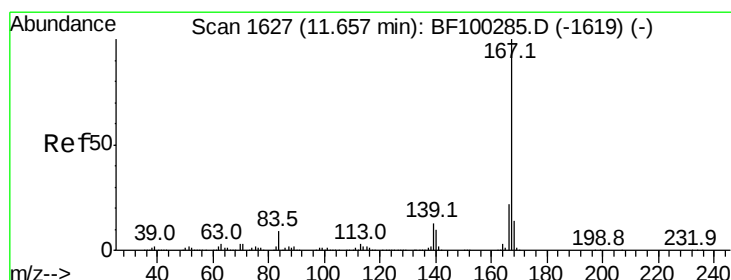
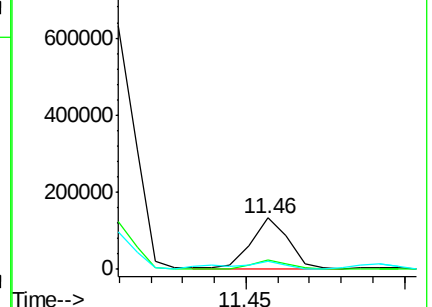
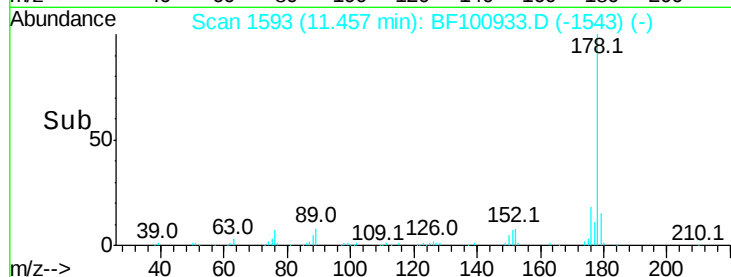
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 5.868 ng

RT: 11.61 min Scan# 1619

Delta R.T. -0.01 min

Lab File: BF100933.D

Acq: 28 Nov 2017 14:55

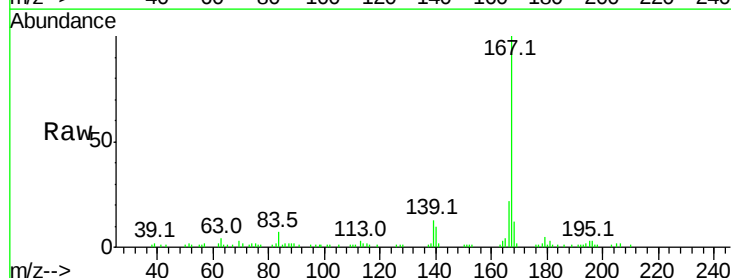
Tgt Ion:167 Resp: 45203

Ion Ratio Lower Upper

167 100

166 21.7 17.6 26.4

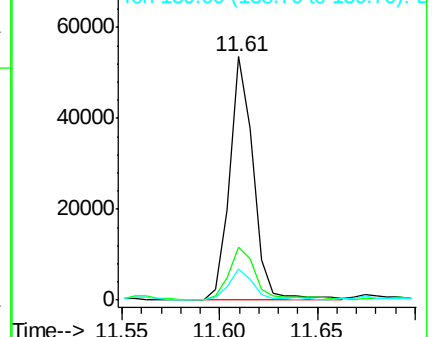
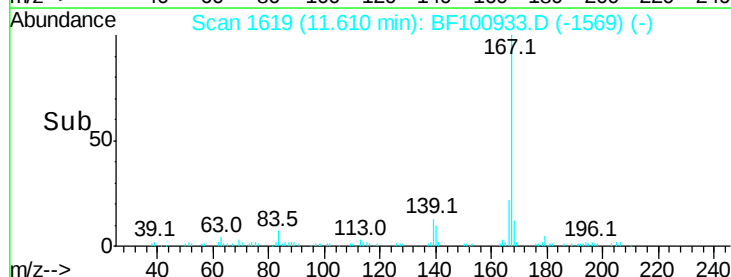
139 12.8 10.9 16.3

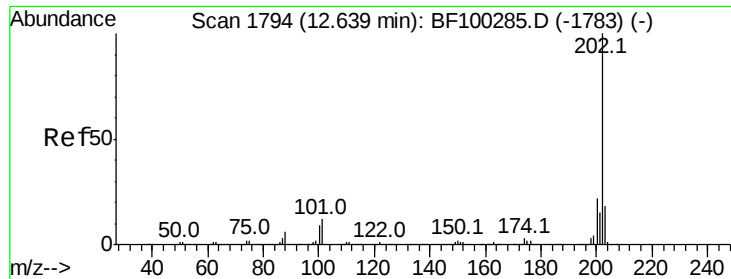


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 109.833 ng

RT: 12.60 min Scan# 1788

Delta R.T. 0.01 min

Lab File: BF100933.D

Acq: 28 Nov 2017 14:55

Instrument :

BNA_F

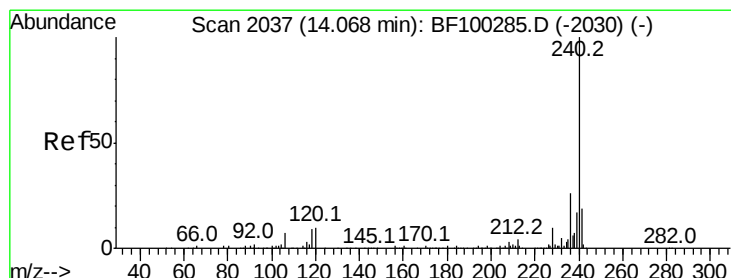
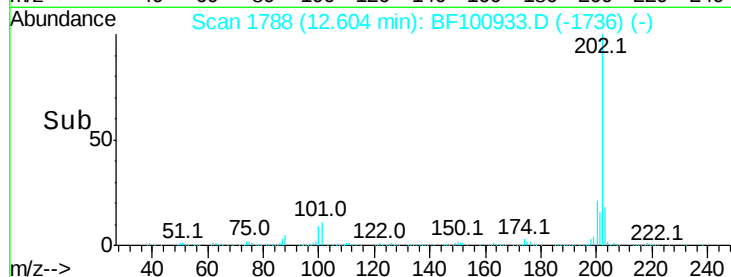
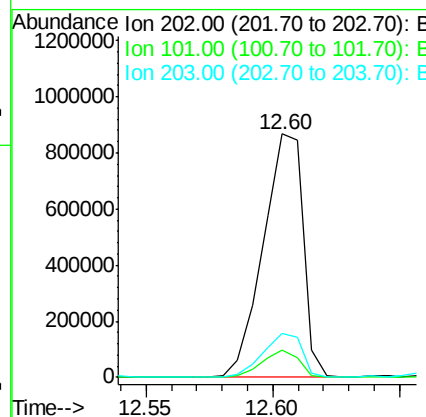
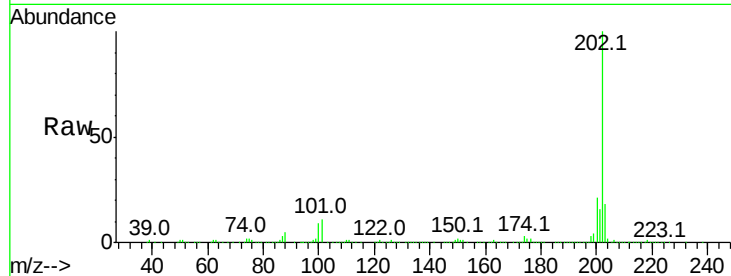
ClientSampleId :

BBR-2-E(4-5)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.3	0.0	34.1
203	18.1	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

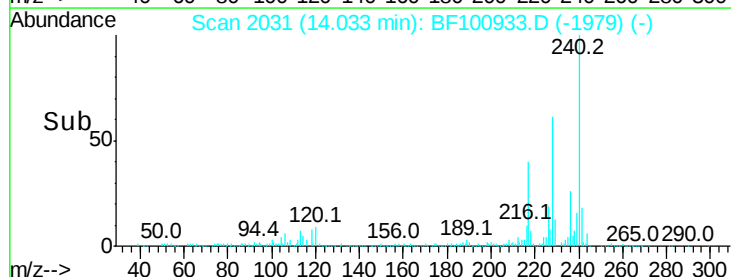
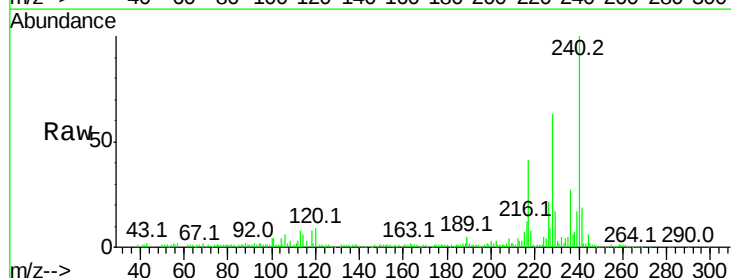
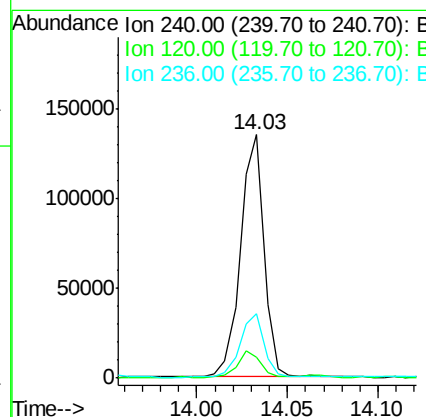
RT: 14.03 min Scan# 2031

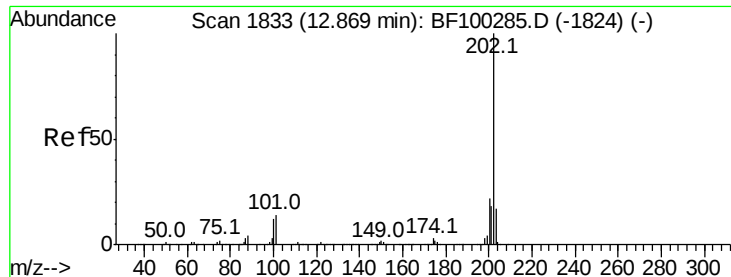
Delta R.T. 0.01 min

Lab File: BF100933.D

Acq: 28 Nov 2017 14:55

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	8.7	9.5	14.3#
236	26.6	20.7	31.1





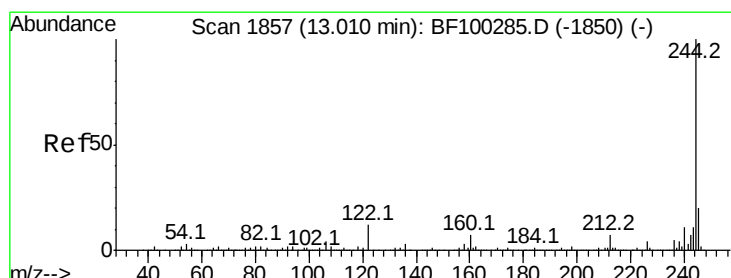
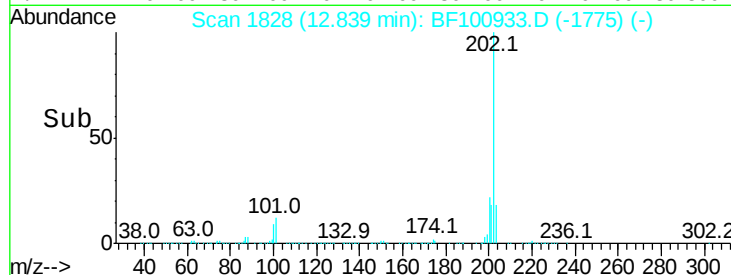
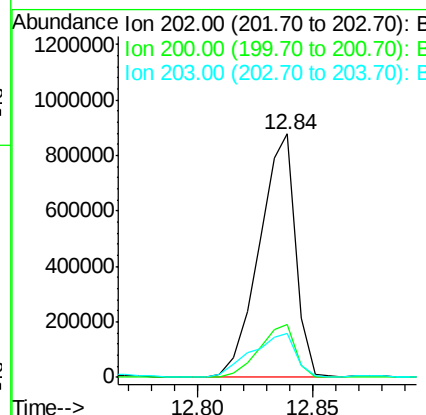
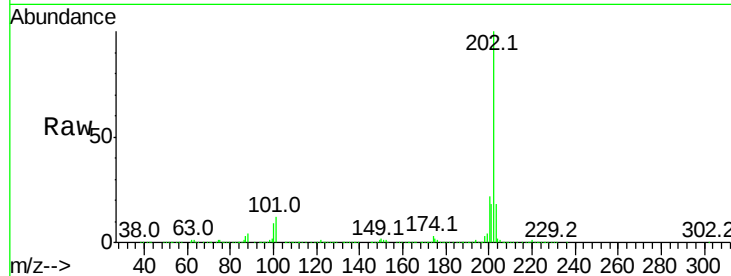
#77
Pvrene
Concen: 109.981 ng
RT: 12.84 min Scan# 1828
Delta R.T. 0.01 min
Lab File: BF100933.D
Acq: 28 Nov 2017 14:55

Instrument :
BNA_F
ClientSampled :
BBR-2-E(4-5)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.8	17.4	26.2
203	18.2	14.3	21.5

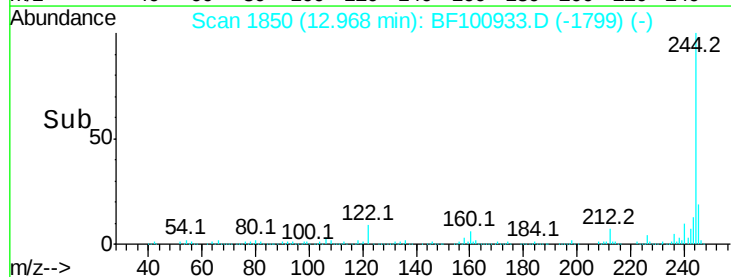
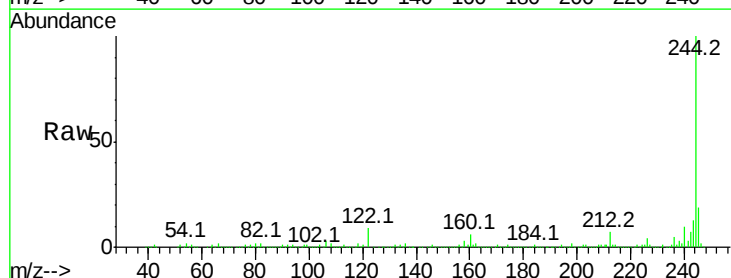
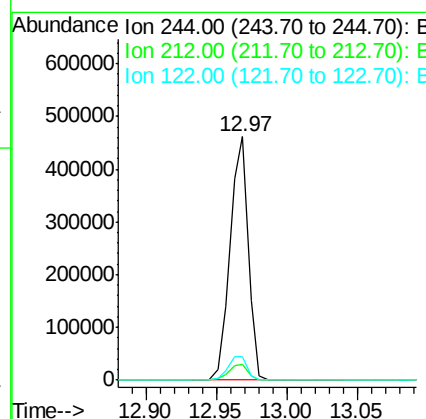
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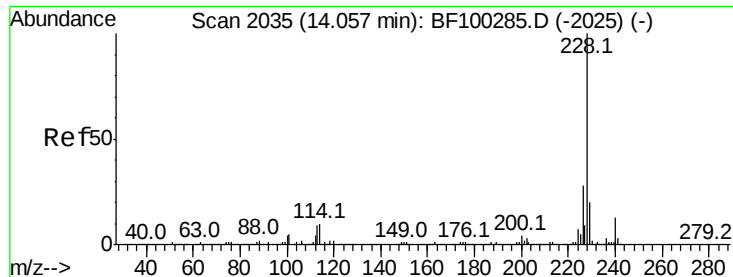
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#78
Terphenyl-d14
Concen: 78.021 ng
RT: 12.97 min Scan# 1850
Delta R.T. -0.00 min
Lab File: BF100933.D
Acq: 28 Nov 2017 14:55

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.6	5.4	8.0
122	9.4	11.0	16.4#





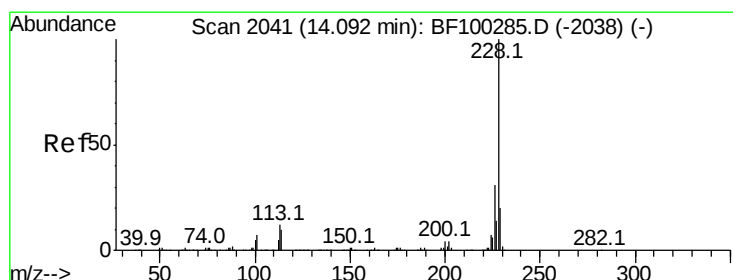
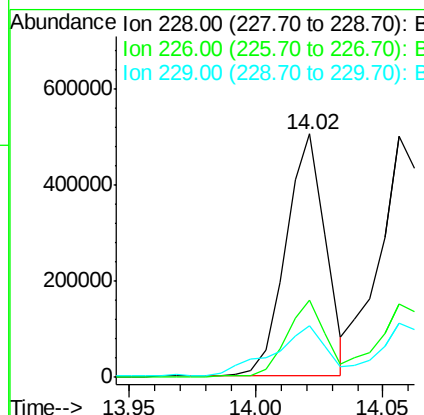
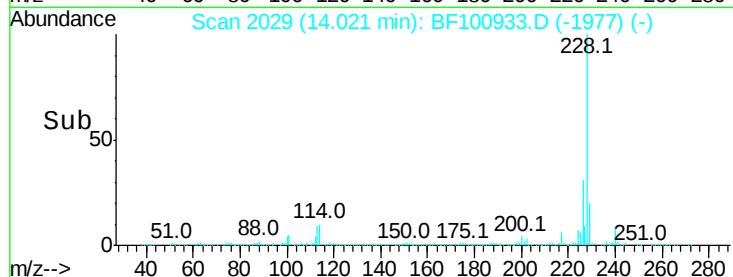
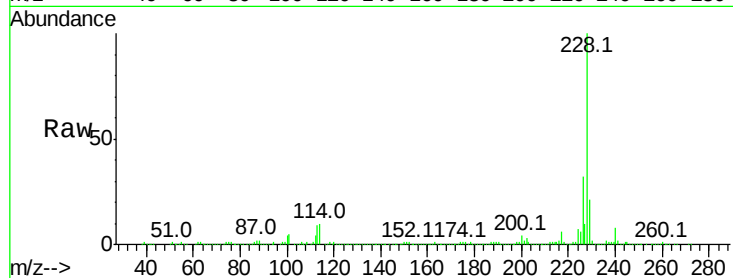
#80
Benzo(a)anthracene
Concen: 74.675 ng
RT: 14.02 min Scan# 2029
Delta R.T. 0.01 min
Lab File: BF100933.D
Acq: 28 Nov 2017 14:55

Instrument :
BNA_F
ClientSampleId :
BBR-2-E(4-5)

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.6	22.6	33.8
229	21.0	15.8	23.6

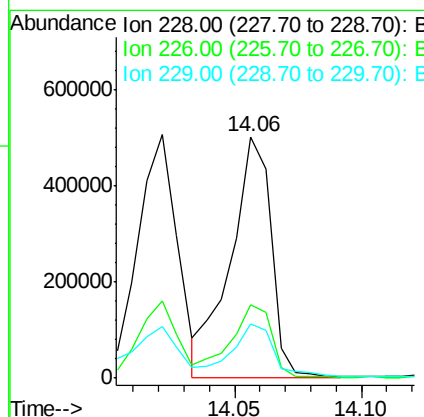
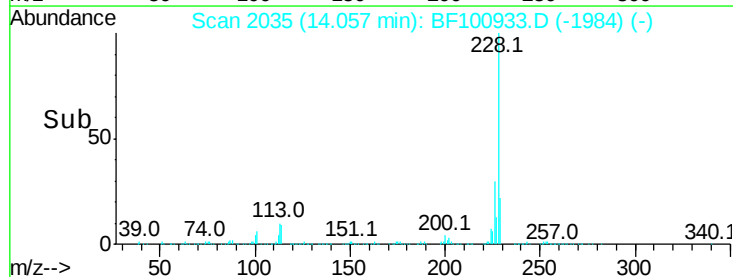
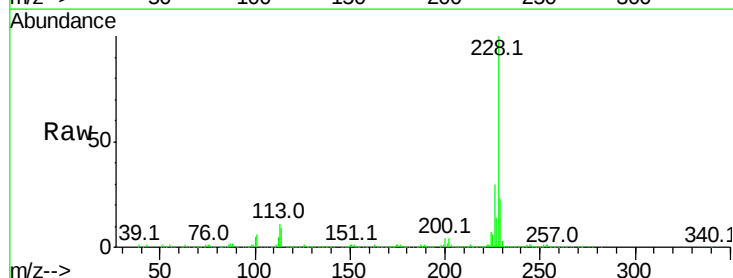
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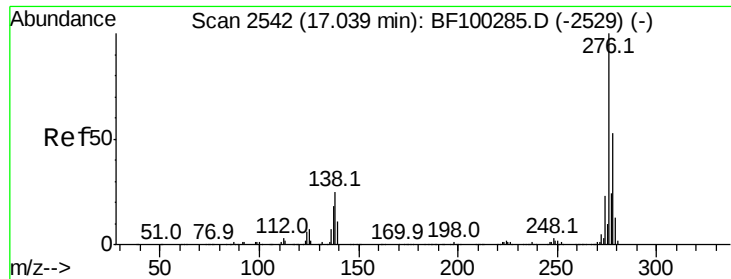
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#82
Chrysene
Concen: 79.620 ng m
RT: 14.06 min Scan# 2035
Delta R.T. -0.00 min
Lab File: BF100933.D
Acq: 28 Nov 2017 14:55

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	25.0	37.6
229	22.5	16.2	24.4





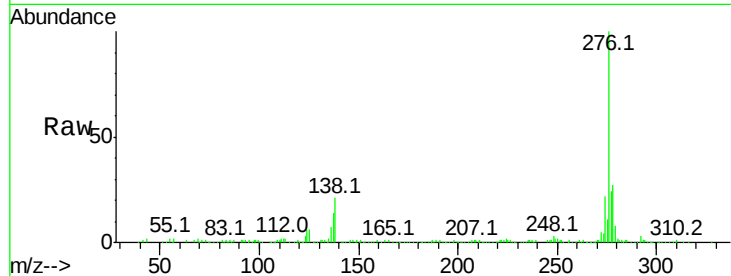
#85
Indeno(1,2,3-cd)pyrene
Concen: 52.668 ng
RT: 16.99 min Scan# 2534
Delta R.T. 0.02 min
Lab File: BF100933.D
Acq: 28 Nov 2017 14:55

Instrument :
BNA_F
ClientSampleId :
BBR-2-E(4-5)

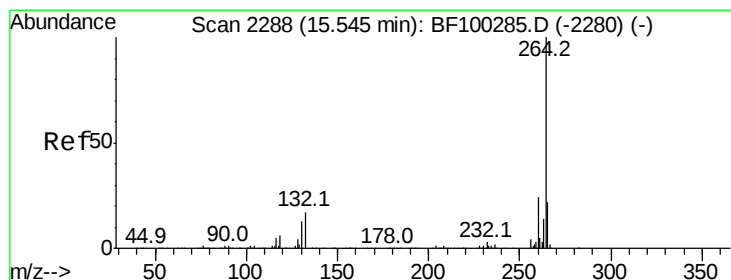
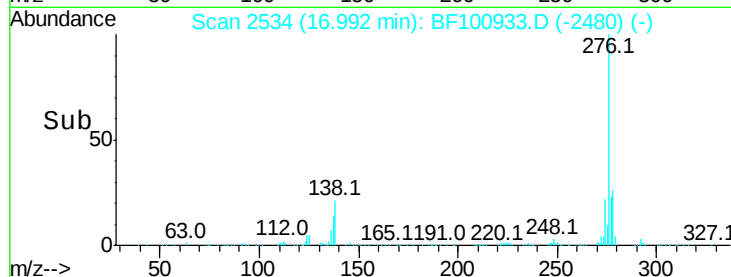
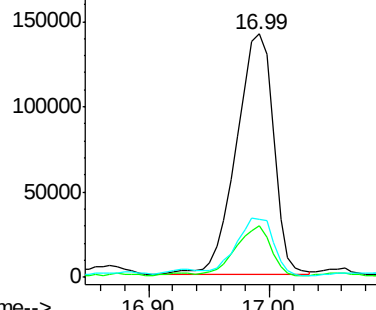
Tot Ion	Ratio	Lower	Upper
276	100		
138	19.5	25.0	37.6#
277	23.4	20.1	30.1

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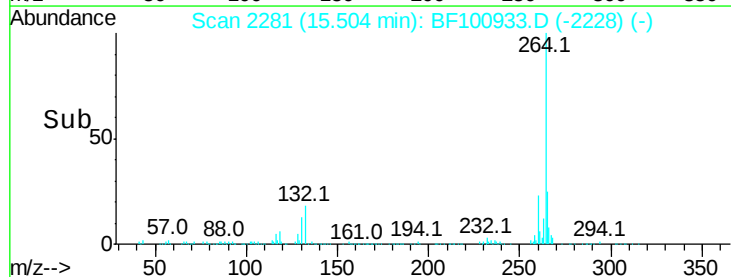
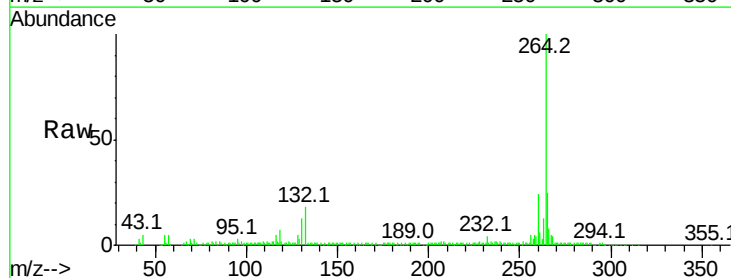
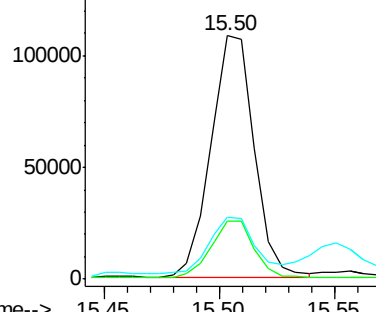
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

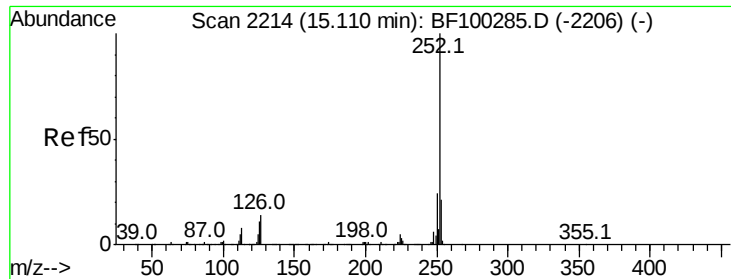


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2281
Delta R.T. 0.01 min
Lab File: BF100933.D
Acq: 28 Nov 2017 14:55

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	25.3	17.5	26.3

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: 86.632 ng m

RT: 15.08 min Scan# 2209

Delta R.T. 0.02 min

Lab File: BF100933.D

Acq: 28 Nov 2017 14:55

Instrument :

BNA_F

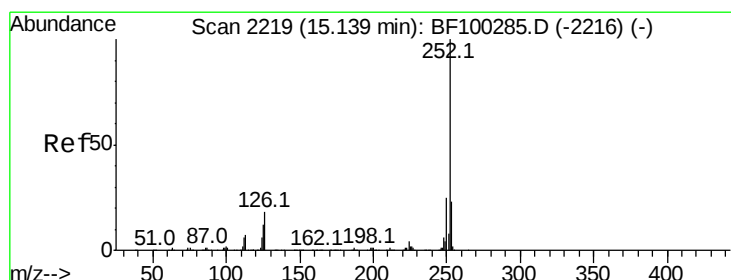
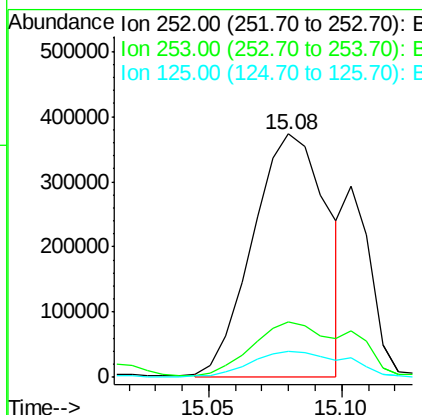
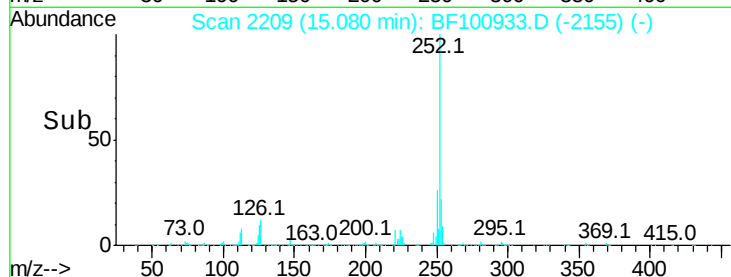
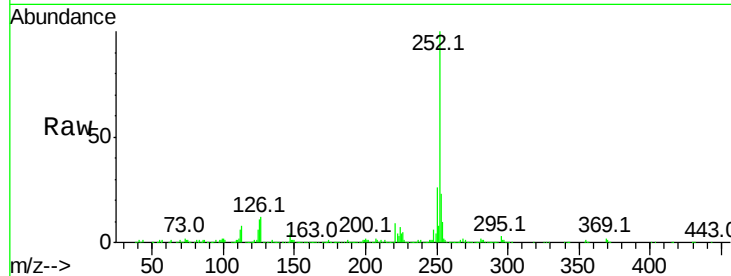
ClientSampleId :

BBR-2-E(4-5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.0	25.6
125	10.5	9.0	13.6

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#88

Benzo(k)fluoranthene

Concen: 26.005 ng m

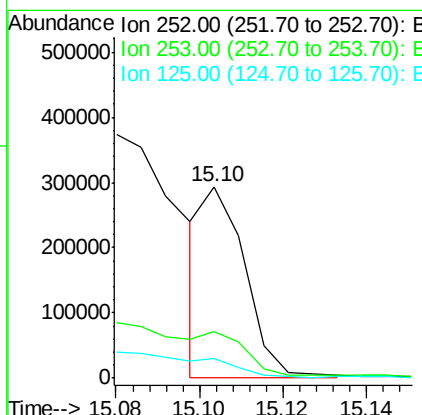
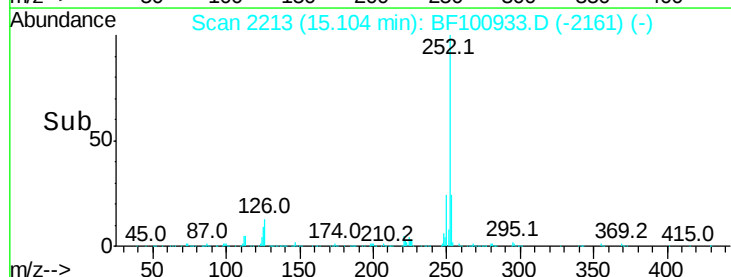
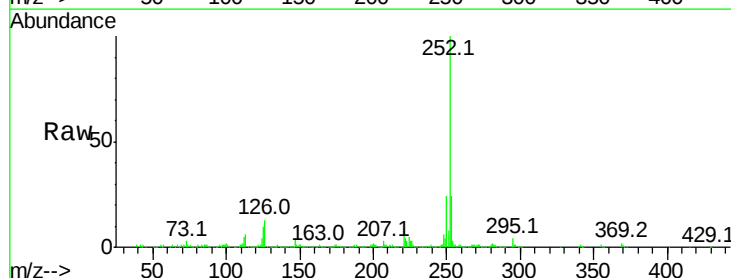
RT: 15.10 min Scan# 2213

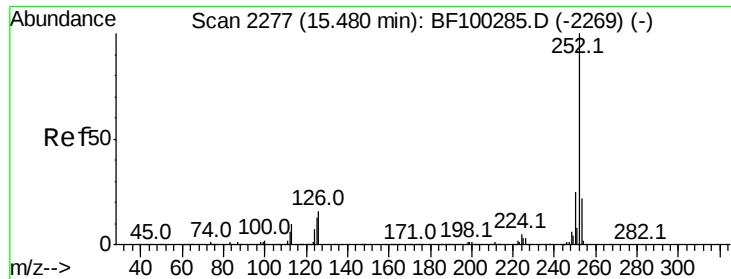
Delta R.T. 0.01 min

Lab File: BF100933.D

Acq: 28 Nov 2017 14:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.9	26.9
125	10.0	10.2	15.2#





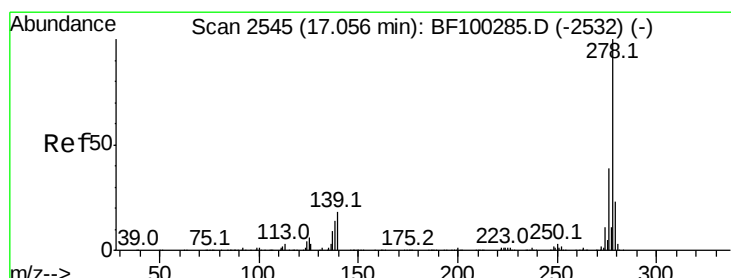
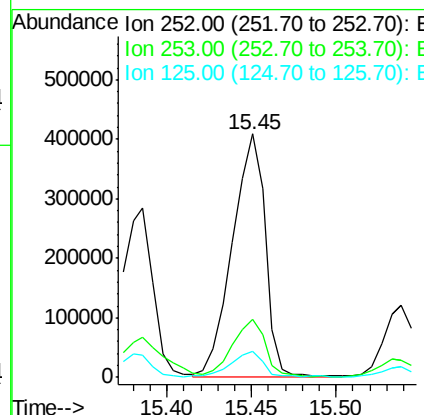
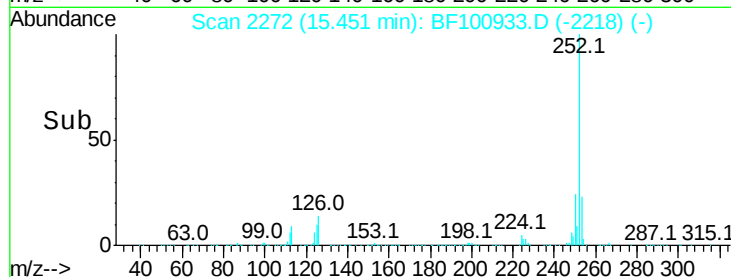
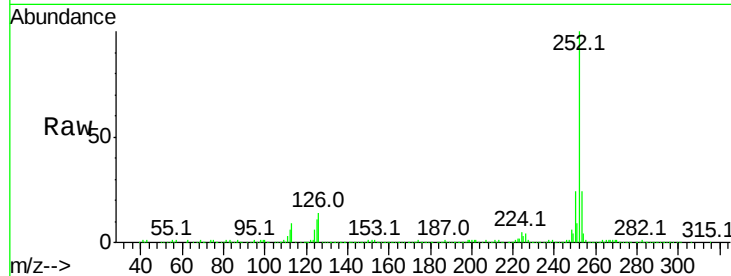
#89
Benzo(a)pyrene
Concen: 74.014 ng
RT: 15.45 min Scan# 2272
Delta R.T. 0.02 min
Lab File: BF100933.D
Acq: 28 Nov 2017 14:55

Instrument :
BNA_F
ClientSampleId :
BBR-2-E(4-5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.1	25.7
125	10.8	9.8	14.6

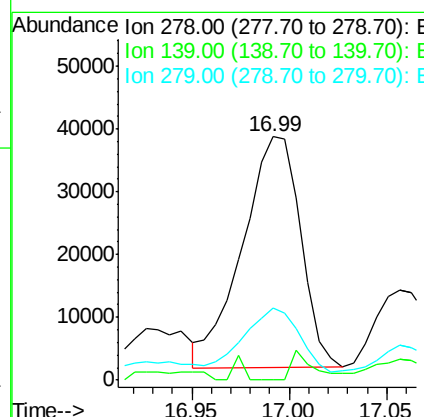
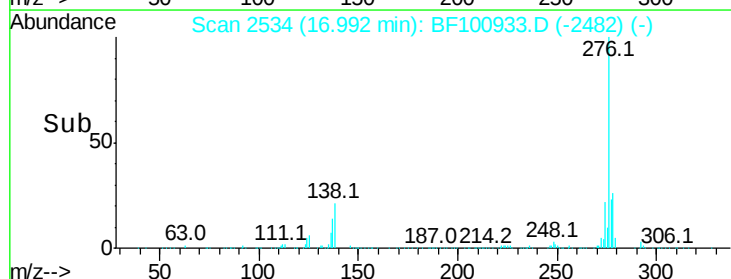
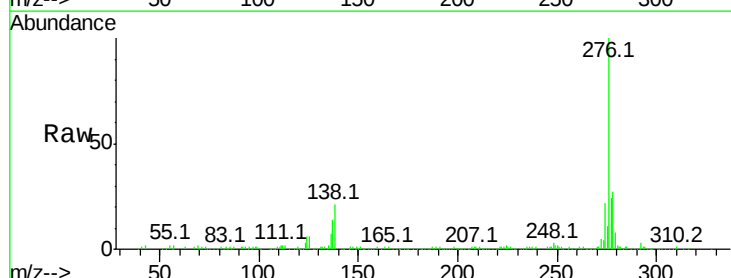
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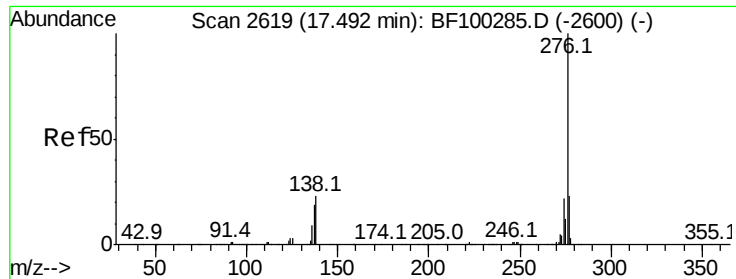
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#90
Dibenzo(a,h)anthracene
Concen: 12.472 ng
RT: 16.99 min Scan# 2534
Delta R.T. 0.01 min
Lab File: BF100933.D
Acq: 28 Nov 2017 14:55

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9#
279	29.4	19.0	28.4#





#91
 Benzo(a,h,i)perylene
 Concen: 45.958 ng
 RT: 17.44 min Scan# 2611
 Delta R.T. 0.02 min
 Lab File: BF100933.D
 Acq: 28 Nov 2017 14:55

Instrument :
 BNA_F
 ClientSampleId :
 BBR-2-E(4-5)

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.4	17.9	26.9
138	21.6	21.8	32.8#

Manual Integrations
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