

Data Path : Z:\HPCHEM1\BNA F\DATA\BF111617\
 Data File : BF100630.D
 Acq On : 16 Nov 2017 15:04
 Operator : SJ/JU
 Sample : I6305-03 10X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-111317-A

Manual Integrations
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 11/17/2017 1:24:45 PM

Quant Time: Nov 16 15:35:47 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 16 11:34:03 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	107544	20.00	ng	-0.02
21) Naphthalene-d8	8.16	136	420559	20.00	ng	-0.02
38) Acenaphthene-d10	9.92	164	192352	20.00	ng	-0.02
63) Phenanthrene-d10	11.40	188	331280	20.00	ng	-0.02
75) Chrysene-d12	14.04	240	205238	20.00	ng	-0.03
86) Perylene-d12	15.52	264	246136	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	74865	11.16	ng	-0.02
7) Phenol-d6	6.49	99	97628	11.80	ng	-0.03
23) Nitrobenzene-d5	7.43	82	57027	8.96	ng	-0.04
41) 2,4,6-Tribromophenol	10.70	330	11946	6.09	ng	-0.02
44) 2-Fluorobiphenyl	9.23	172	127269	10.07	ng	-0.03
78) Terphenyl-d14	12.98	244	89825	10.06	ng	-0.03
Target Compounds						Qvalue
31) Naphthalene	8.19	128	228025	11.257	ng	98
37) 2-Methylnaphthalene	8.87	142	108358	8.057	ng	99
48) Acenaphthylene	9.77	152	42260	2.113	ng	# 95
51) Acenaphthene	9.95	154	153369	12.608	ng	99
54) Dibenzofuran	10.12	168	172106	10.095	ng	97
57) Fluorene	10.46	166	256399	20.529	ng	99
70) Phenanthrene	11.43	178	1200604	68.833	ng	99
71) Anthracene	11.48	178	449220	25.385	ng	98
72) Carbazole	11.63	167	103019	6.309	ng	99
74) Fluoranthene	12.62	202	1091457	59.044	ng	98
77) Pyrene	12.85	202	935525	63.945	ng	100
80) Benzo(a)anthracene	14.03	228	452268	36.593	ng	98
82) Chrysene	14.07	228	389258	32.524	ng	98
85) Indeno(1,2,3-cd)pyrene	17.00	276	232865m	24.055	ng	
87) Benzo(b)fluoranthene	15.09	252	512809m	35.167	ng	
88) Benzo(k)fluoranthene	15.11	252	167309m	12.143	ng	
89) Benzo(a)pyrene	15.46	252	397203	30.725	ng	97
90) Dibenzo(a,h)anthracene	17.00	278	61353m	5.803	ng	
91) Benzo(a,h,i)perylene	17.45	276	195831	18.922	ng	95

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

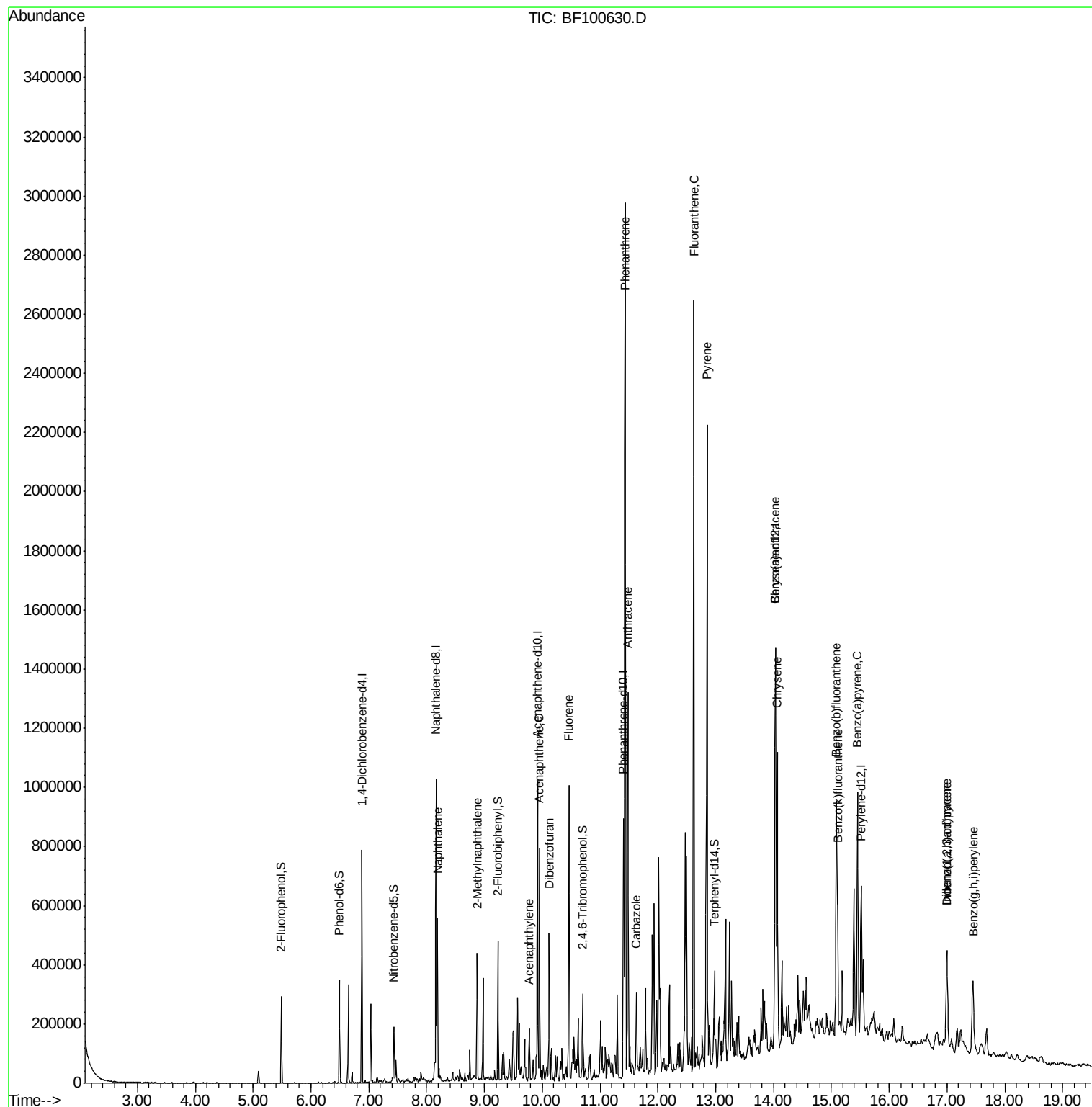
Data Path : Z:\HPCHEM1\BNA F\DATA\BF111617\
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#1

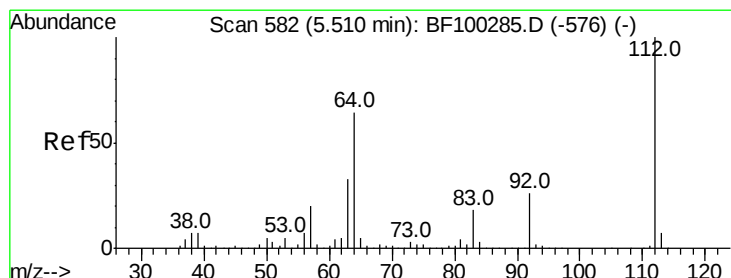
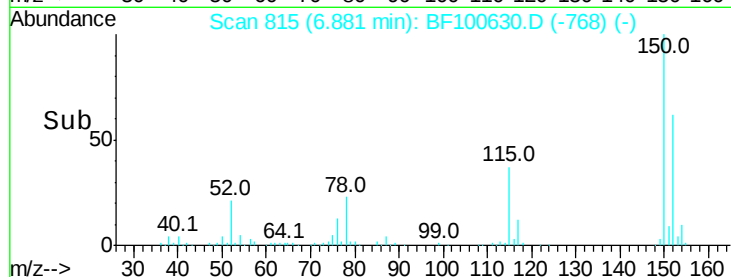
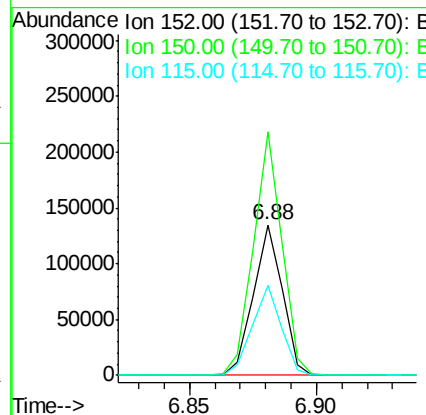
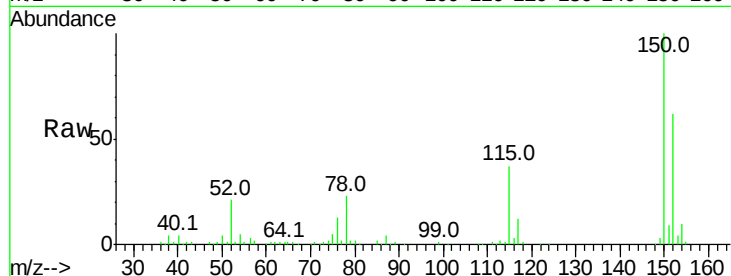
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.02 min
Lab File: BF100630.D
Acq: 16 Nov 2017 15:04

Instrument :
BNA_F
ClientSampleId :
PL-01-111317-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.9	124.6	186.8
115	59.6	50.1	75.1

Manual Integrations
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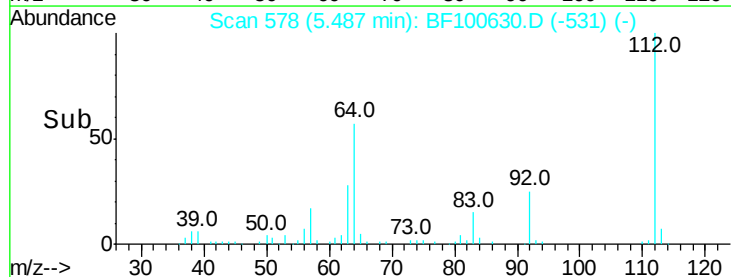
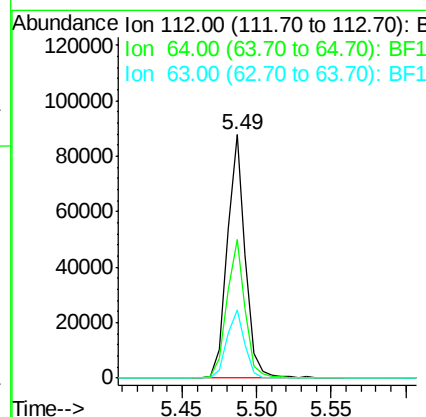
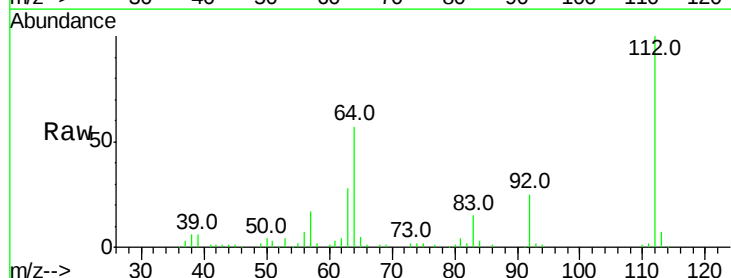
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#5

2-Fluorophenol
Concen: 11.159 ng
RT: 5.49 min Scan# 578
Delta R.T. -0.02 min
Lab File: BF100630.D
Acq: 16 Nov 2017 15:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.0	47.9	71.9
63	28.1	23.7	35.5





#7

Phenol-d6

Concen: 11.801 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.03 min

Lab File: BF100630.D

Acq: 16 Nov 2017 15:04

Instrument :

BNA_F

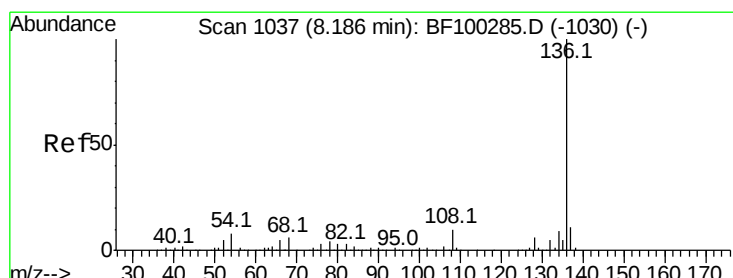
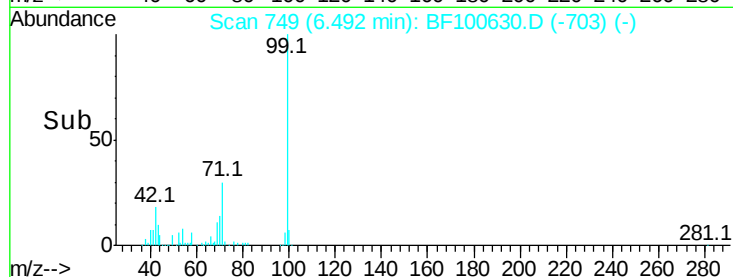
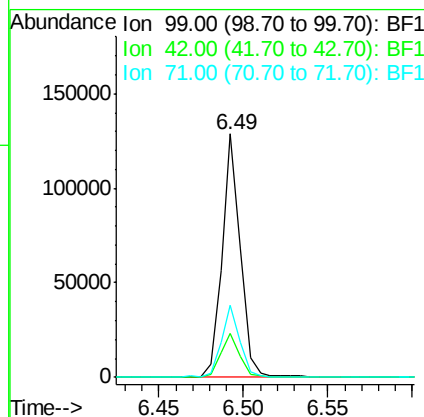
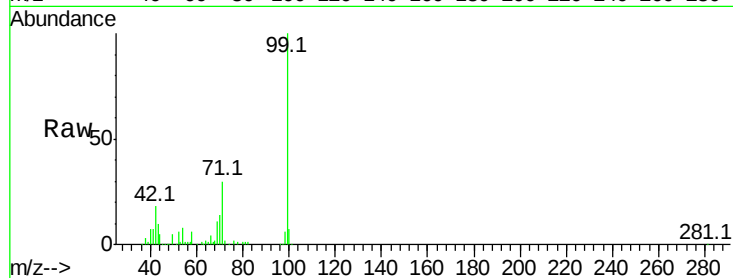
ClientSampleId :

PL-01-111317-A

Tot Ion	99	Resp	97628
Ion Ratio	Lower	Upper	
99	100		
42	17.8	14.5	21.7
71	29.6	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

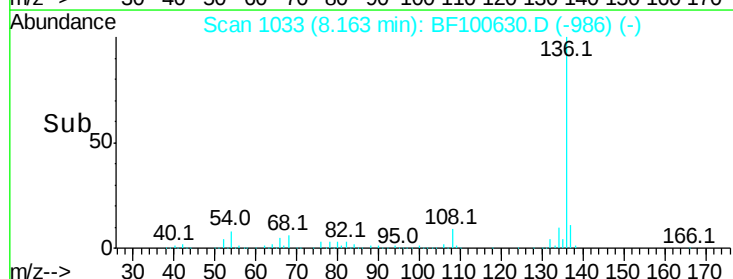
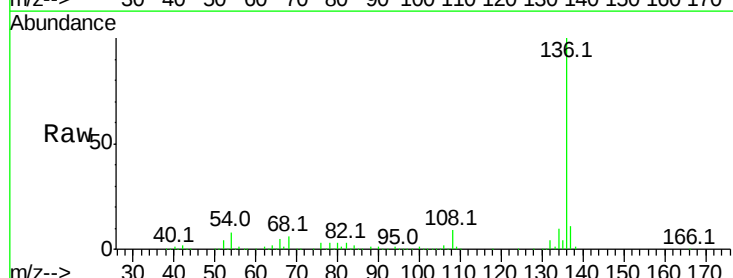
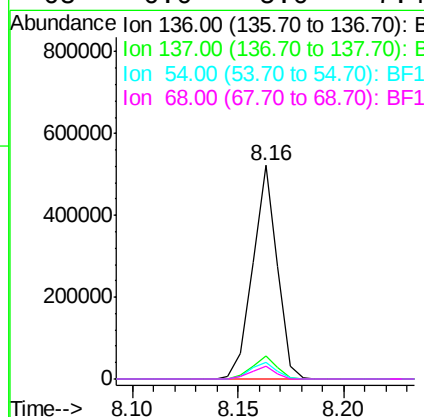
RT: 8.16 min Scan# 1033

Delta R.T. -0.02 min

Lab File: BF100630.D

Acq: 16 Nov 2017 15:04

Tgt Ion	136	Resp	420559
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.9	13.3
54	7.8	6.6	9.8
68	6.0	5.0	7.4





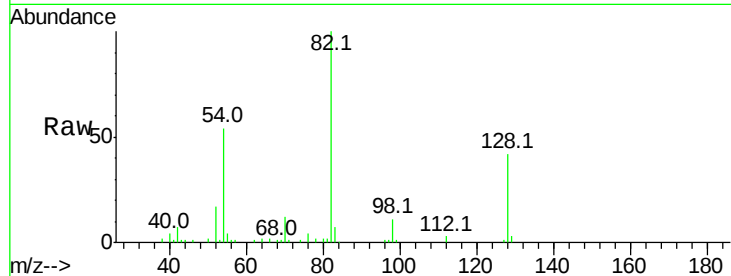
#23
Nitrobenzene-d5
Concen: 8.965 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.04 min
Lab File: BF100630.D
Acq: 16 Nov 2017 15:04

Instrument :
BNA_F
ClientSampleId :
PL-01-111317-A

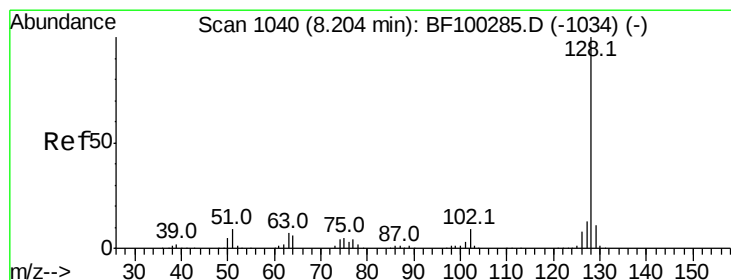
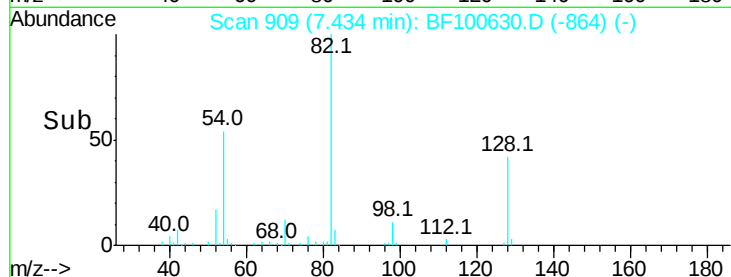
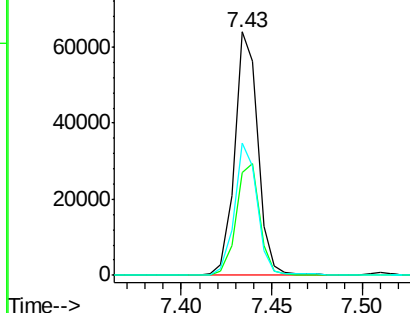
Tot Ion	Ratio	Lower	Upper
82	100		
128	42.4	36.1	54.1
54	54.3	41.4	62.2

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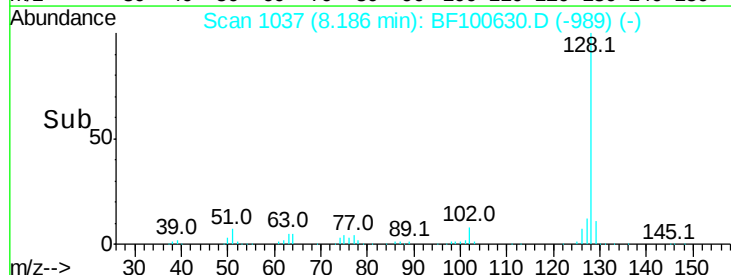
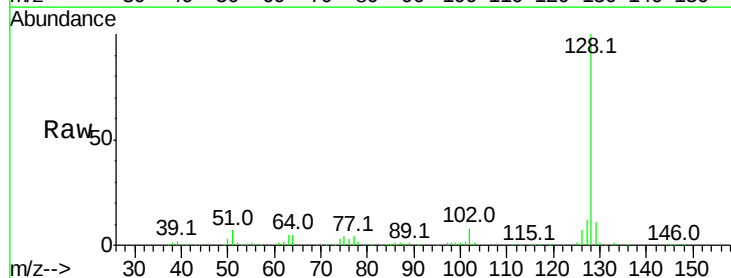
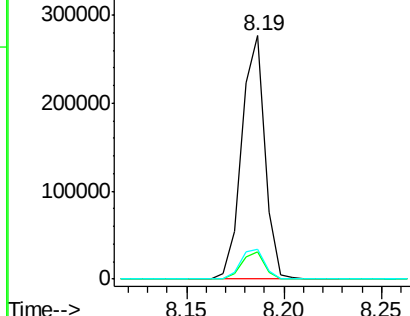
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Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

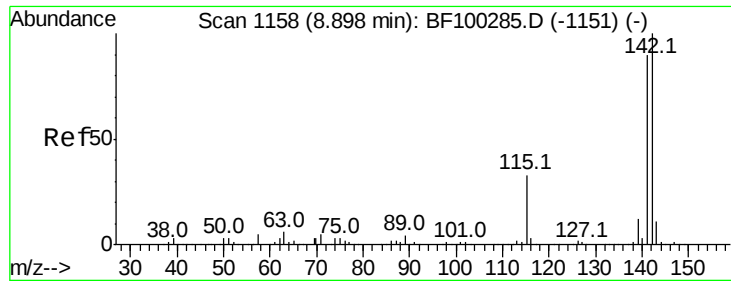


#31
Naphthalene
Concen: 11.257 ng
RT: 8.19 min Scan# 1037
Delta R.T. -0.02 min
Lab File: BF100630.D
Acq: 16 Nov 2017 15:04

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.8	13.2
127	12.5	10.9	16.3

Abundance Ion 128.00 (127.70 to 128.70): BF1
Ion 129.00 (128.70 to 129.70): BF1
Ion 127.00 (126.70 to 127.70): BF1





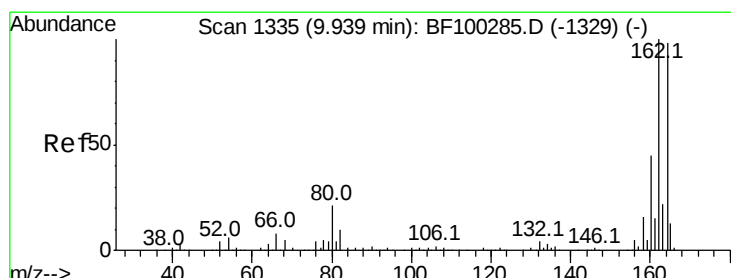
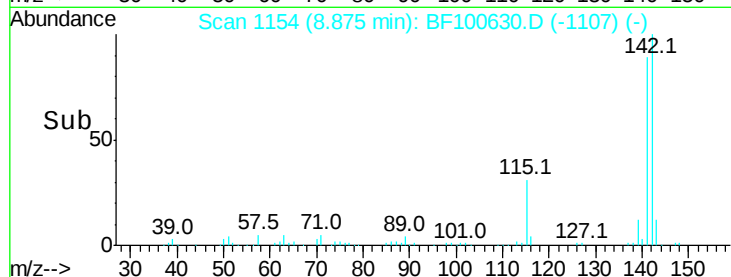
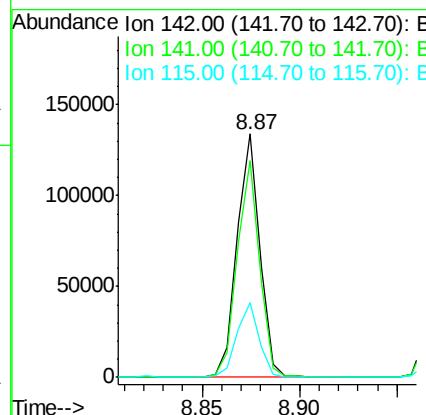
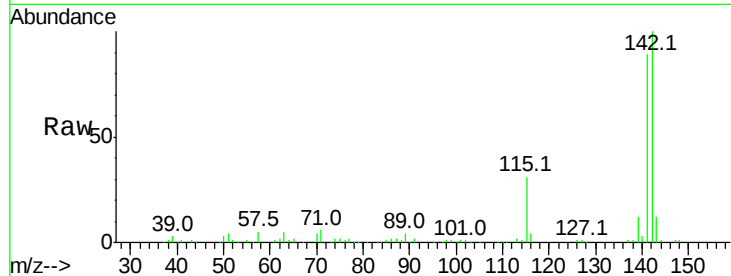
#37
2-Methylnaphthalene
Concen: 8.057 ng
RT: 8.87 min Scan# 1154
Delta R.T. -0.02 min
Lab File: BF100630.D
Acq: 16 Nov 2017 15:04

Instrument :
BNA_F
ClientSampleId :
PL-01-111317-A

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.0	70.8	106.2
115	30.9	26.1	39.1

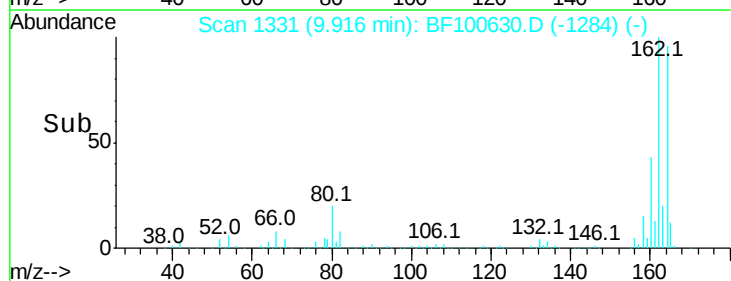
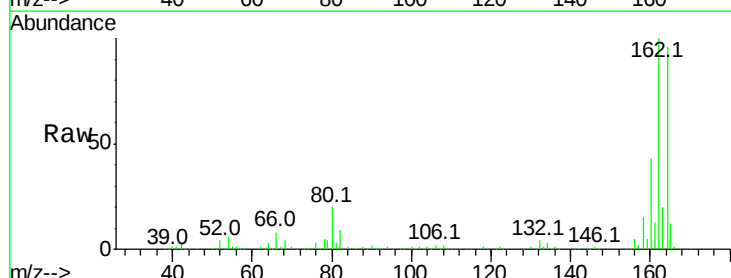
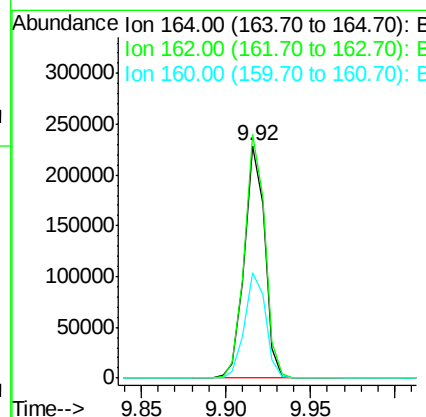
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.02 min
Lab File: BF100630.D
Acq: 16 Nov 2017 15:04

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.7	86.1	129.1
160	45.5	38.3	57.5





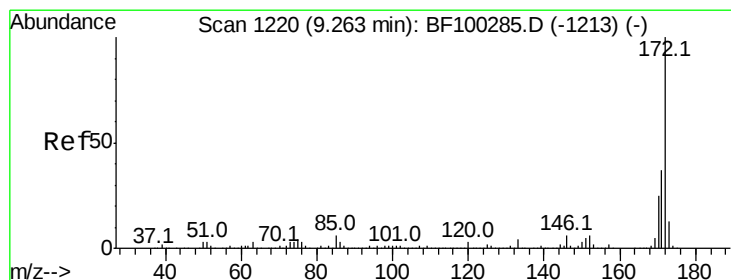
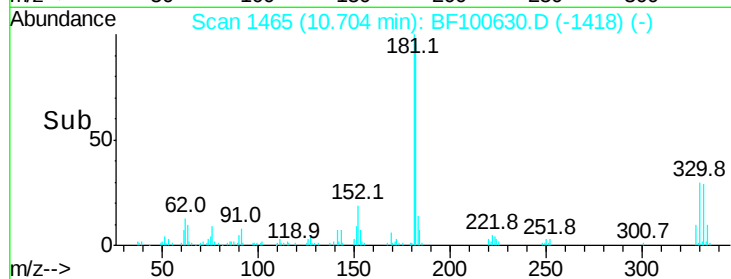
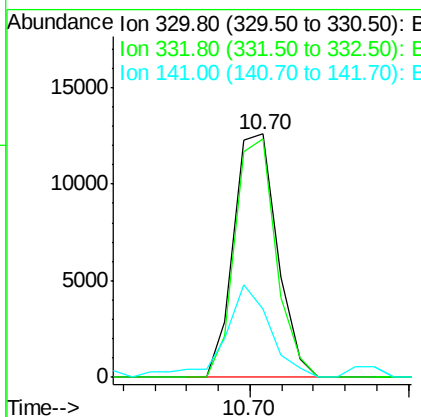
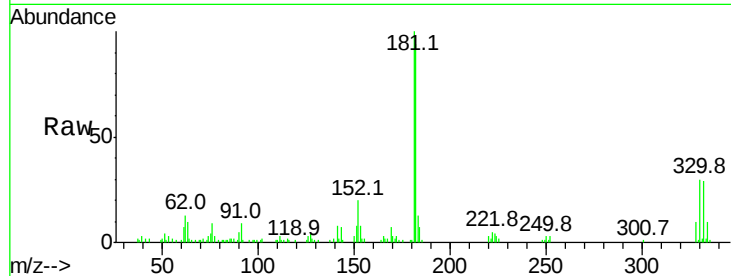
#41
 2,4,6-Tribromophenol
 Concen: 6.095 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.02 min
 Lab File: BF100630.D
 Acq: 16 Nov 2017 15:04

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-111317-A

Tot Ion	Ratio	Lower	Upper
330	100		
332	92.3	77.0	115.6
141	40.6	29.9	44.9

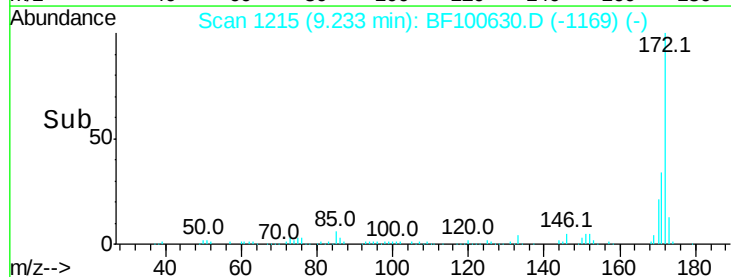
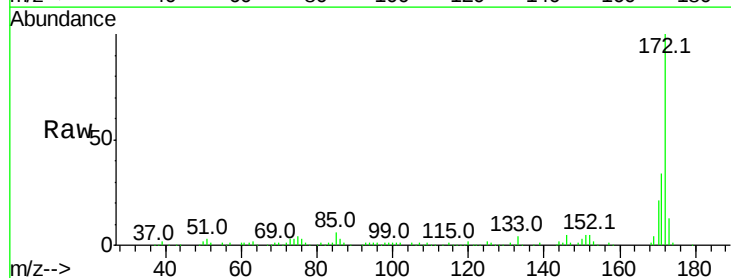
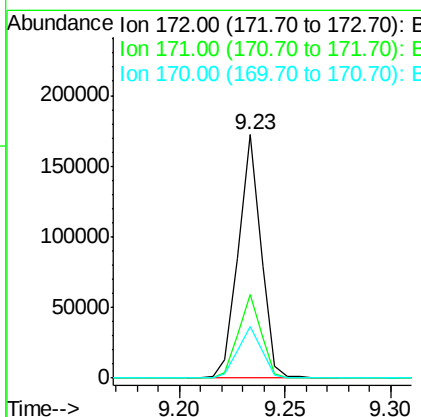
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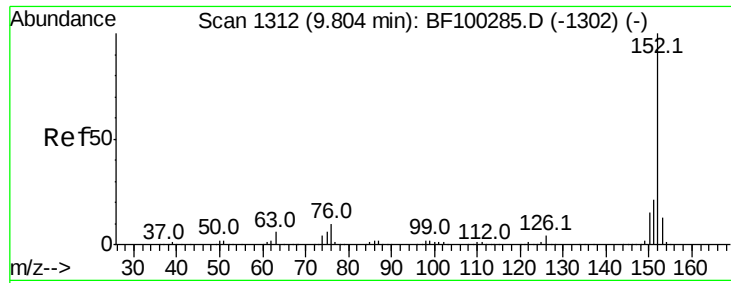
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#44
 2-Fluorobiphenyl
 Concen: 10.075 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.03 min
 Lab File: BF100630.D
 Acq: 16 Nov 2017 15:04

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.5	29.7	44.5
170	21.5	19.6	29.4





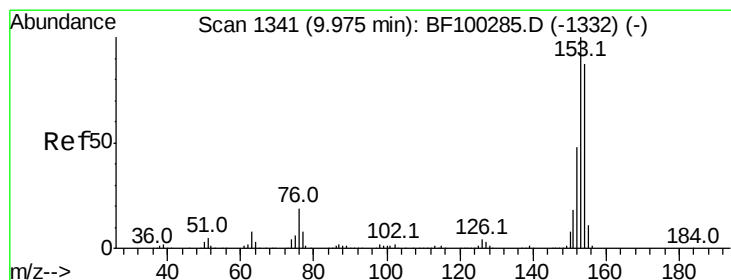
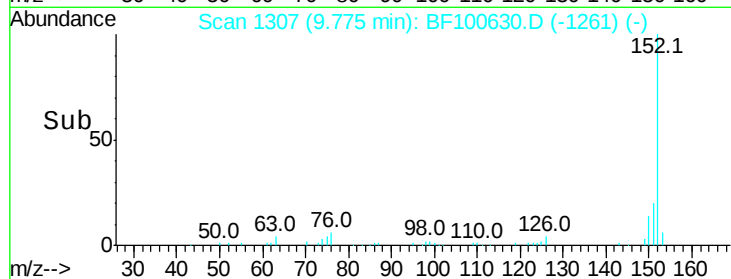
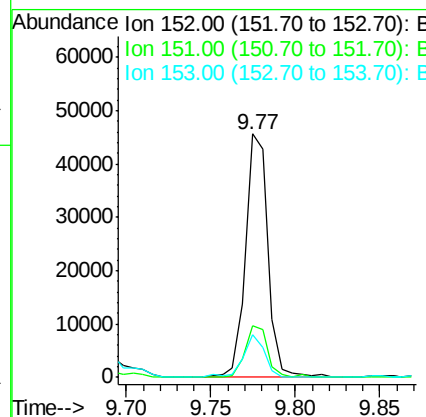
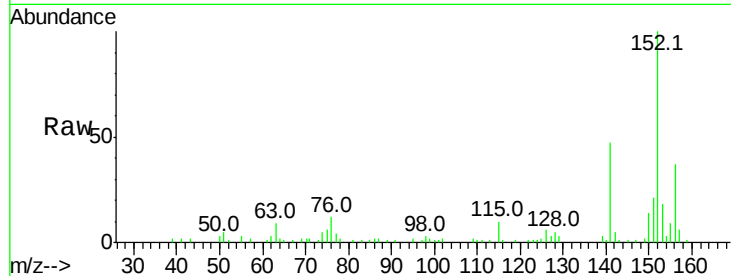
#48
Acenaphthylene
Concen: 2.113 ng
RT: 9.77 min Scan# 1307
Delta R.T. -0.03 min
Lab File: BF100630.D
Acq: 16 Nov 2017 15:04

Instrument :
BNA_F
ClientSampleId :
PL-01-111317-A

Tot Ion	Ratio	Lower	Upper
152	100		
151	21.0	16.3	24.5
153	17.7	10.7	16.1

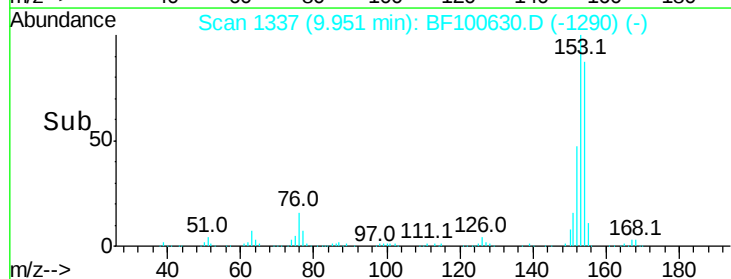
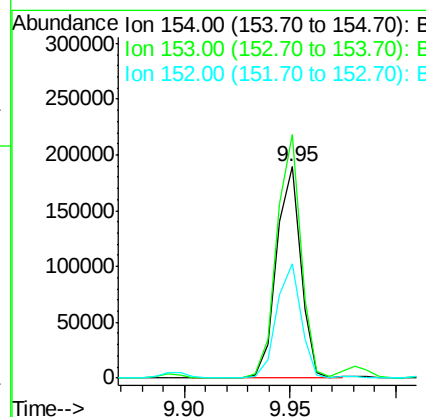
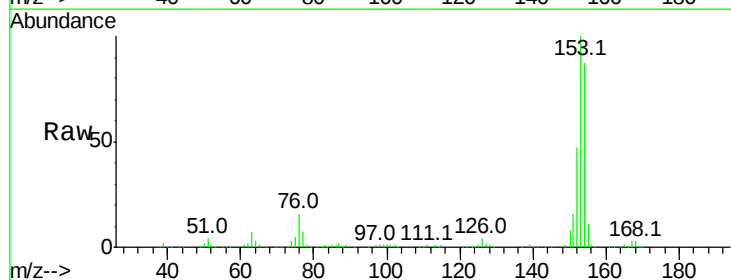
Manual Integrations
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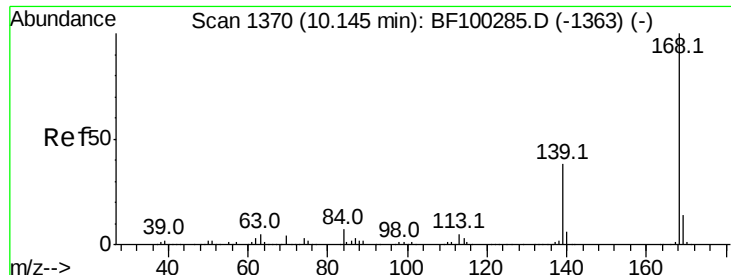
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#51
Acenaphthene
Concen: 12.608 ng
RT: 9.95 min Scan# 1337
Delta R.T. -0.02 min
Lab File: BF100630.D
Acq: 16 Nov 2017 15:04

Tgt Ion	Ratio	Lower	Upper
154	100		
153	115.3	91.2	136.8
152	54.2	43.8	65.8





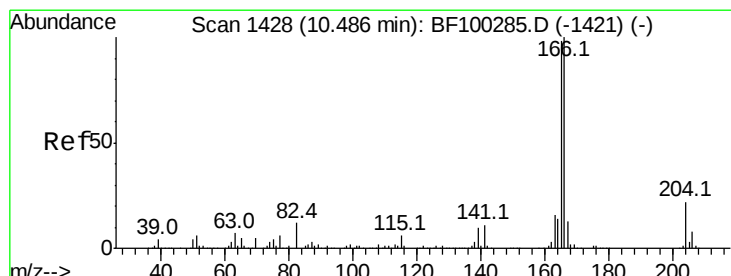
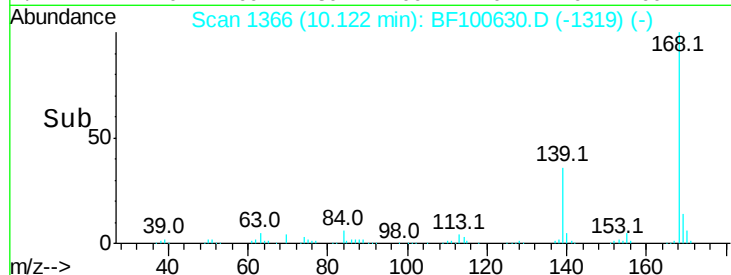
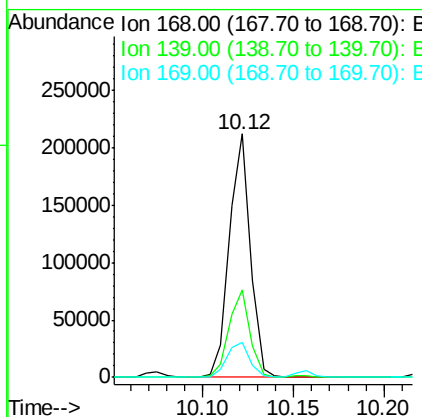
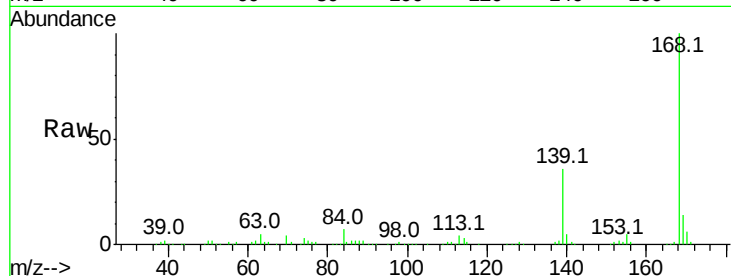
#54
Dibenzenofuran
Concen: 10.095 ng
RT: 10.12 min Scan# 1366
Delta R.T. -0.02 min
Lab File: BF100630.D
Acq: 16 Nov 2017 15:04

Instrument :
BNA_F
ClientSampleId :
PL-01-111317-A

Tot Ion	Ratio	Lower	Upper
168	100		
139	35.7	30.1	45.1
169	14.2	10.9	16.3

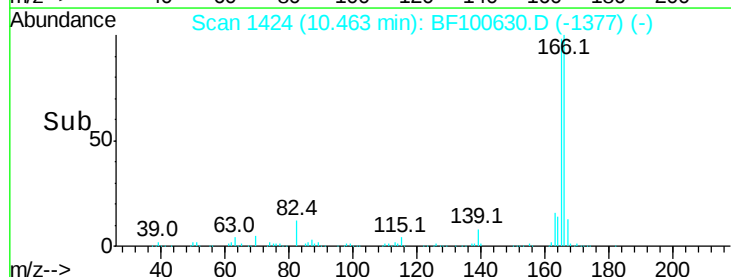
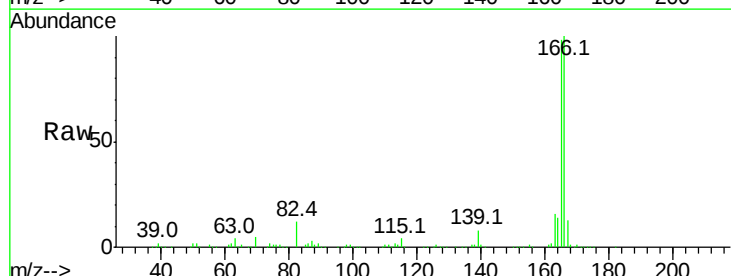
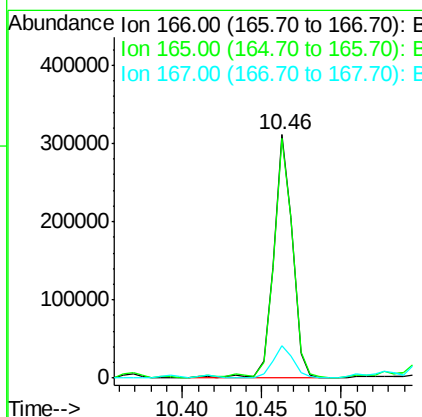
Manual Integrations
APPROVED

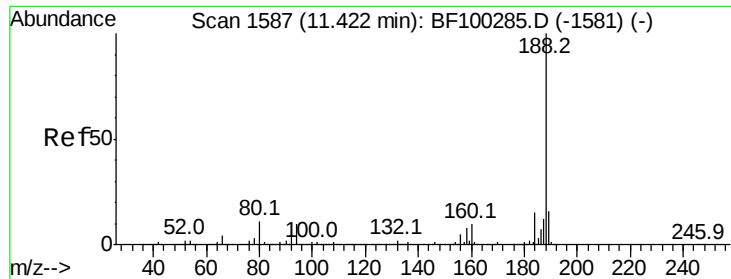
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#57
Fluorene
Concen: 20.529 ng
RT: 10.46 min Scan# 1424
Delta R.T. -0.02 min
Lab File: BF100630.D
Acq: 16 Nov 2017 15:04

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.4	79.8	119.8
167	13.5	10.6	16.0





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.02 min

Lab File: BF100630.D

Acq: 16 Nov 2017 15:04

Instrument :

BNA_F

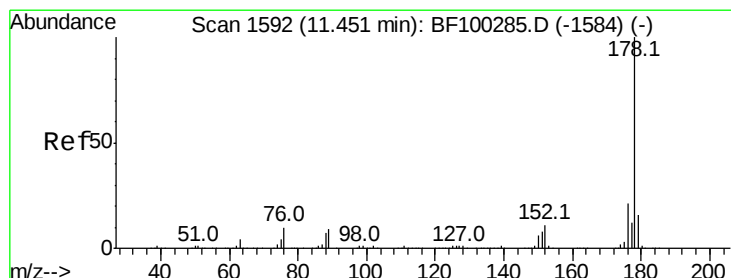
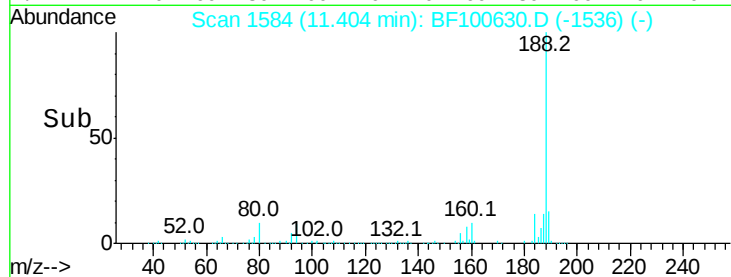
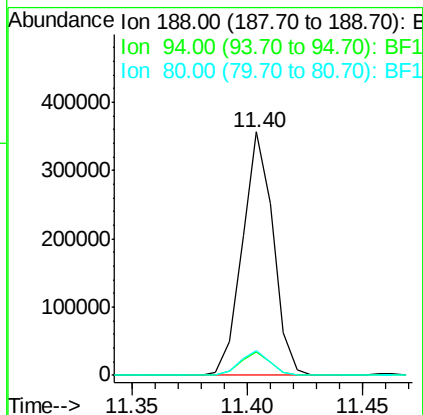
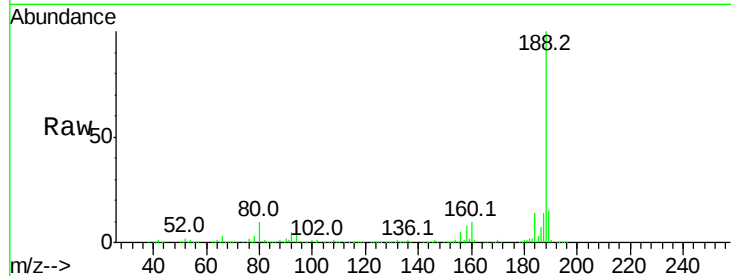
ClientSampleId :

PL-01-111317-A

Tot Ion:	188	Resp:	331280
Ion Ratio	Lower	Upper	
188	100		
94	9.4	8.5	12.7
80	10.2	9.2	13.8

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#70

Phenanthrene

Concen: 68.833 ng

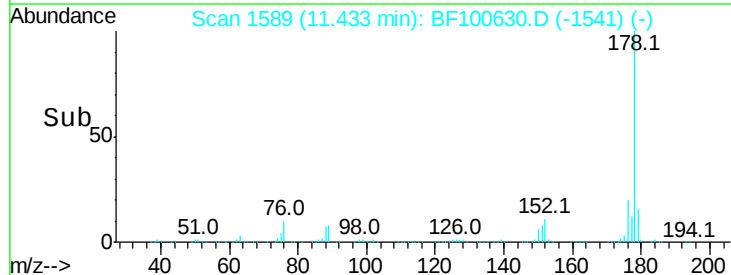
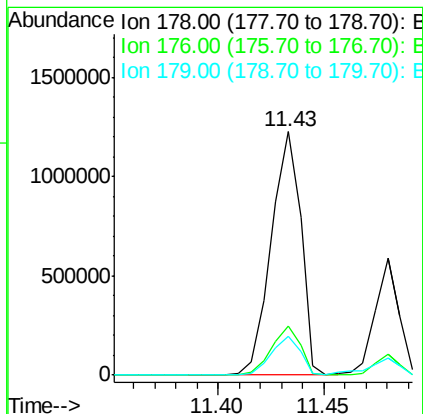
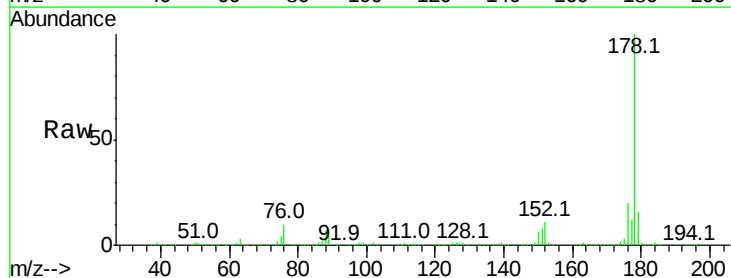
RT: 11.43 min Scan# 1589

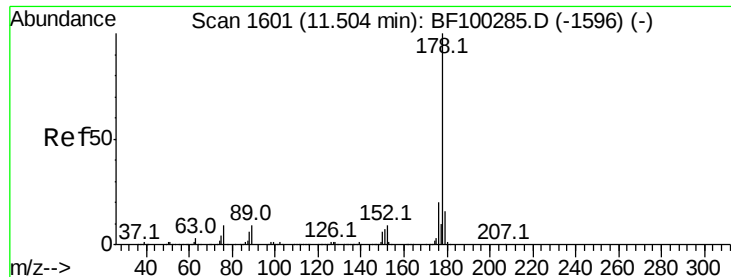
Delta R.T. -0.02 min

Lab File: BF100630.D

Acq: 16 Nov 2017 15:04

Tgt Ion:	178	Resp:	1200604
Ion Ratio	Lower	Upper	
178	100		
176	20.4	15.8	23.8
179	15.9	13.0	19.6





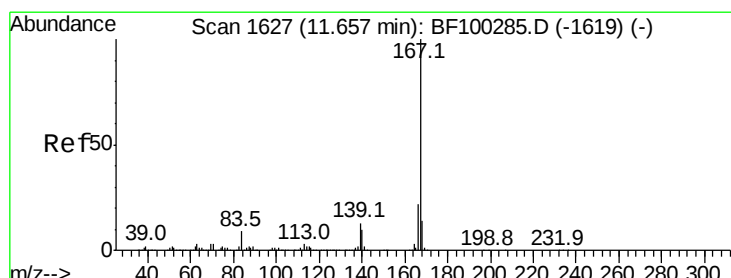
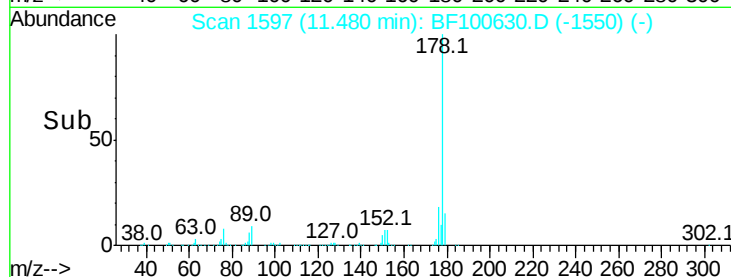
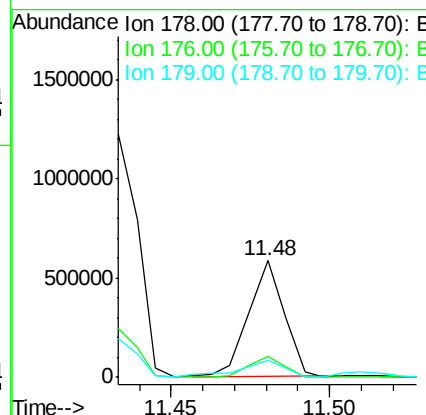
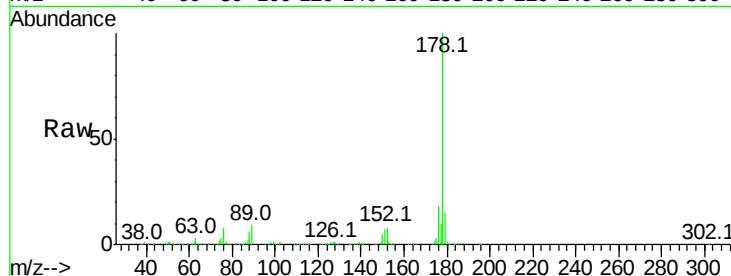
#71
 Anthracene
 Concen: 25.385 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. -0.02 min
 Lab File: BF100630.D
 Acq: 16 Nov 2017 15:04

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-111317-A

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.2
179	15.1	12.6	19.0

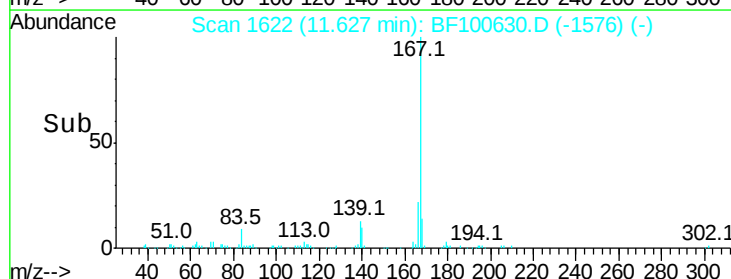
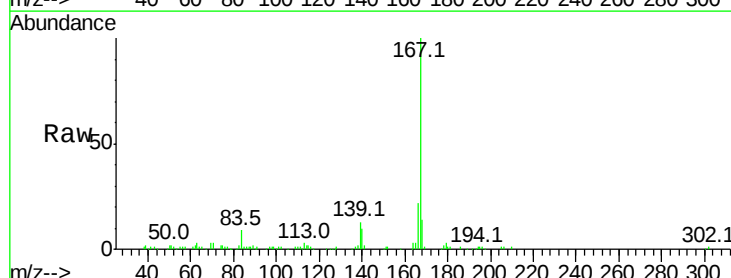
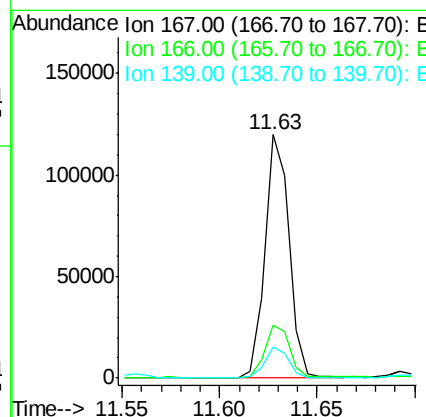
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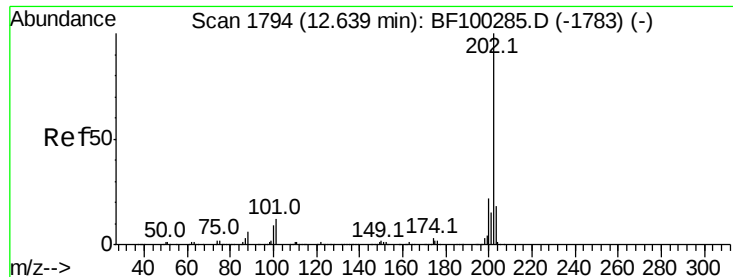
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#72
 Carbazole
 Concen: 6.309 ng
 RT: 11.63 min Scan# 1622
 Delta R.T. -0.03 min
 Lab File: BF100630.D
 Acq: 16 Nov 2017 15:04

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.6	26.4
139	12.8	10.9	16.3





#74

Fluoranthene

Concen: 59.044 ng

RT: 12.62 min Scan# 1791

Delta R.T. -0.02 min

Lab File: BF100630.D

Acq: 16 Nov 2017 15:04

Instrument :

BNA_F

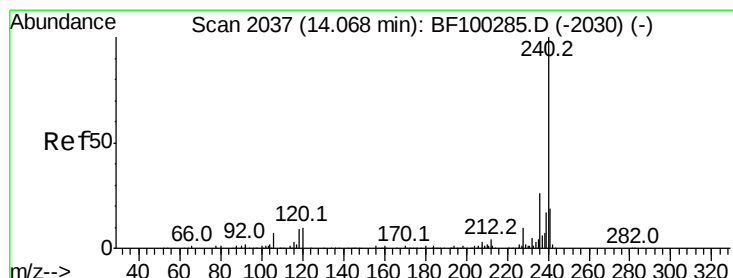
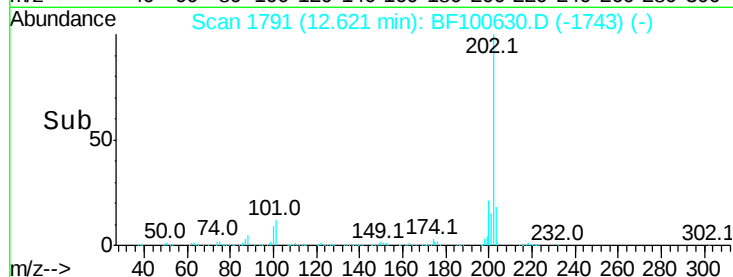
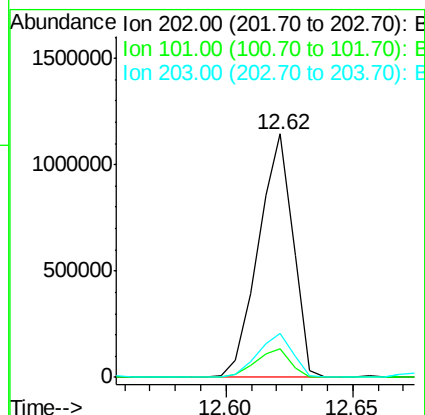
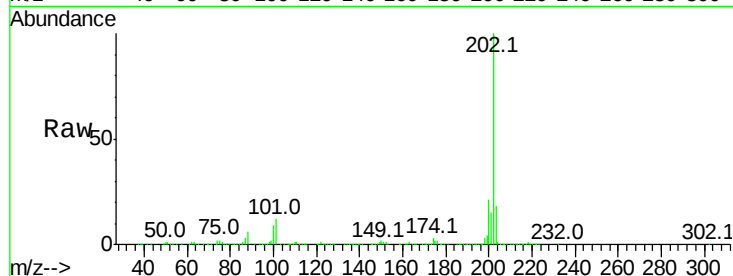
ClientSampleId :

PL-01-111317-A

Tot Ion:	202	Resp:	1091457
Ion Ratio	Lower	Upper	
202	100		
101	12.0	0.0	34.1
203	18.0	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

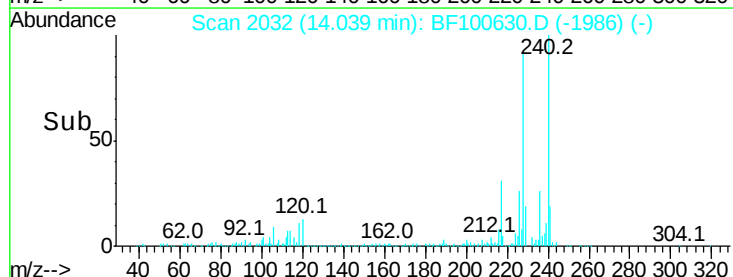
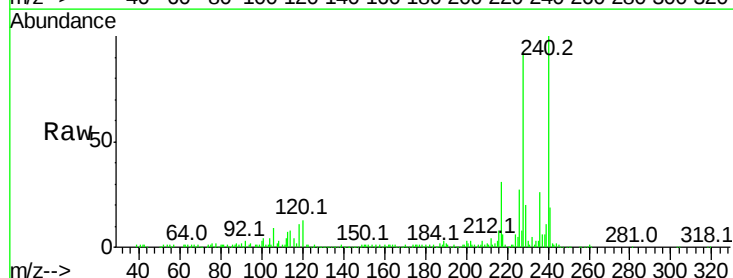
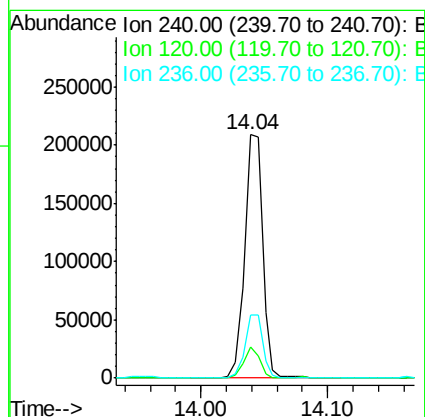
RT: 14.04 min Scan# 2032

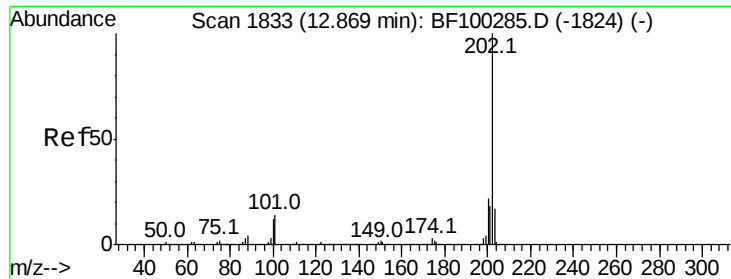
Delta R.T. -0.03 min

Lab File: BF100630.D

Acq: 16 Nov 2017 15:04

Tgt Ion:	240	Resp:	205238
Ion Ratio	Lower	Upper	
240	100		
120	12.8	9.5	14.3
236	25.8	20.7	31.1





#77

Pvrene

Concen: 63.945 ng

RT: 12.85 min Scan# 1830

Delta R.T. -0.02 min

Lab File: BF100630.D

Acq: 16 Nov 2017 15:04

Instrument :

BNA_F

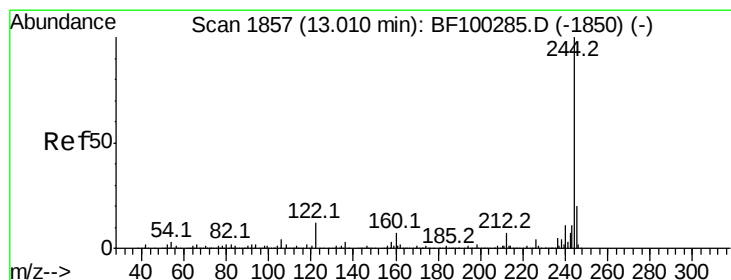
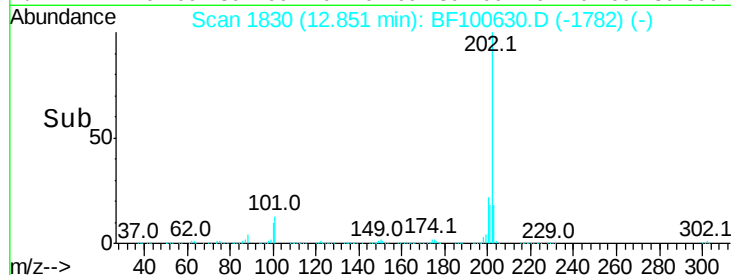
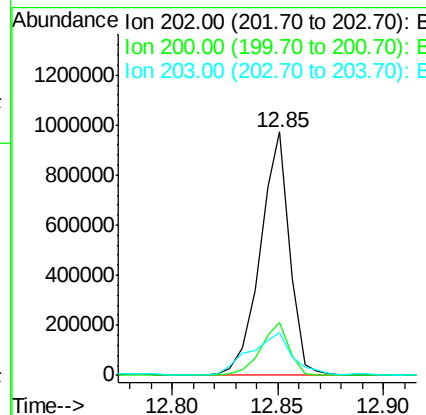
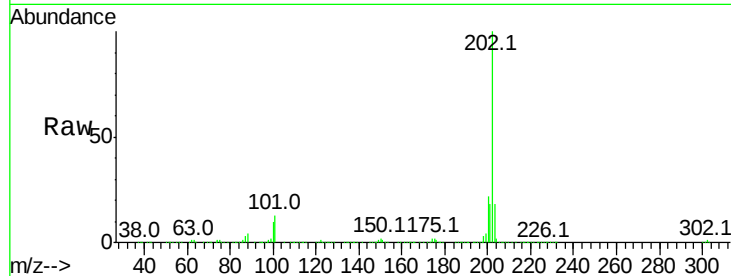
ClientSampleId :

PL-01-111317-A

Tot Ion:	202	Resp:	935525
Ion Ratio		Lower	Upper
202	100		
200	21.8	17.4	26.2
203	17.6	14.3	21.5

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#78

Terphenyl-d14

Concen: 10.056 ng

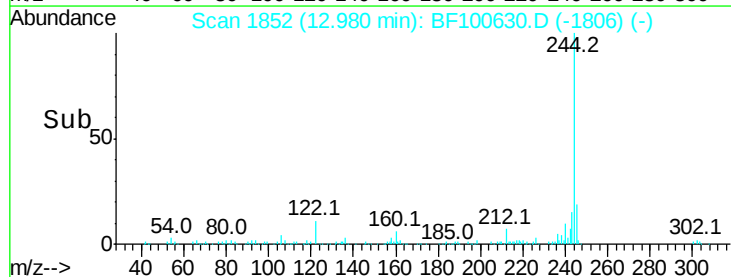
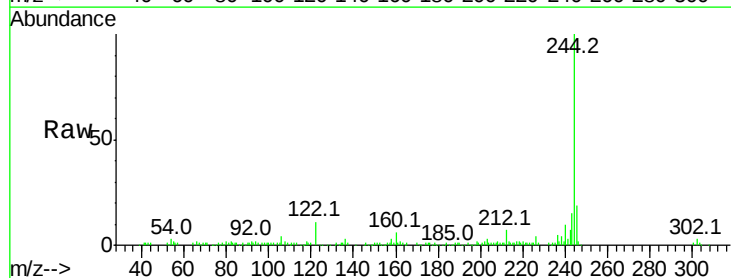
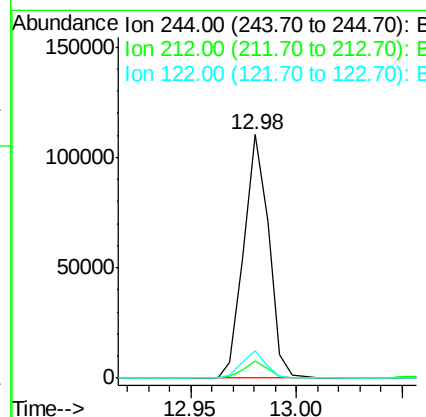
RT: 12.98 min Scan# 1852

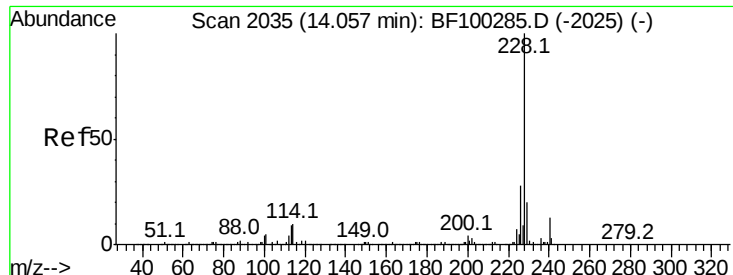
Delta R.T. -0.03 min

Lab File: BF100630.D

Acq: 16 Nov 2017 15:04

Tgt Ion:	244	Resp:	89825
Ion Ratio		Lower	Upper
244	100		
212	6.9	5.4	8.0
122	11.1	11.0	16.4





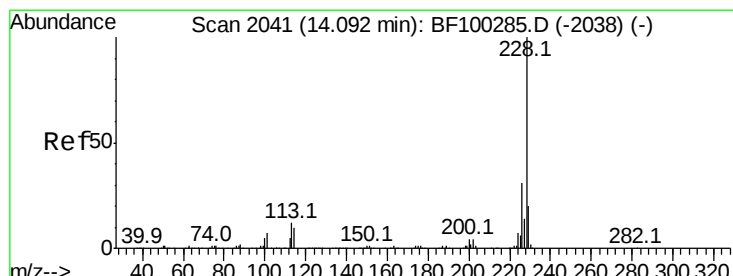
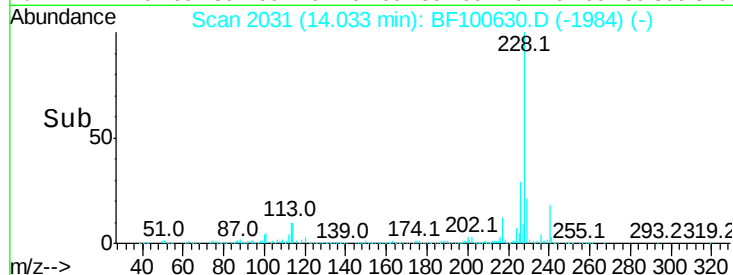
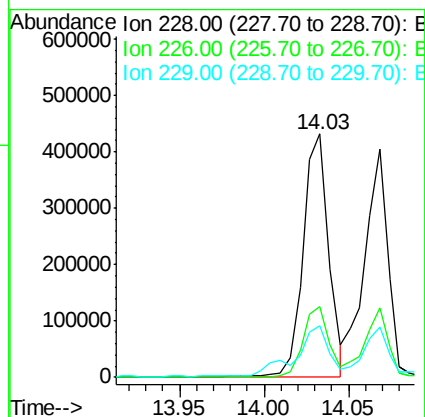
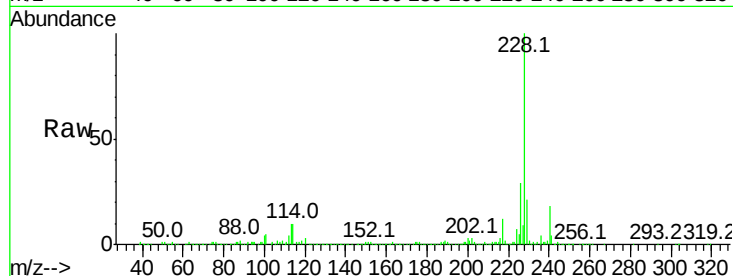
#80
Benzo(a)anthracene
Concen: 36.593 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.02 min
Lab File: BF100630.D
Acq: 16 Nov 2017 15:04

Instrument :
BNA_F
ClientSampleId :
PL-01-111317-A

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.3	22.6	33.8
229	21.1	15.8	23.6

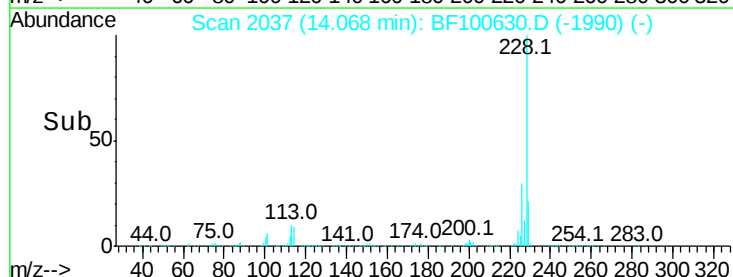
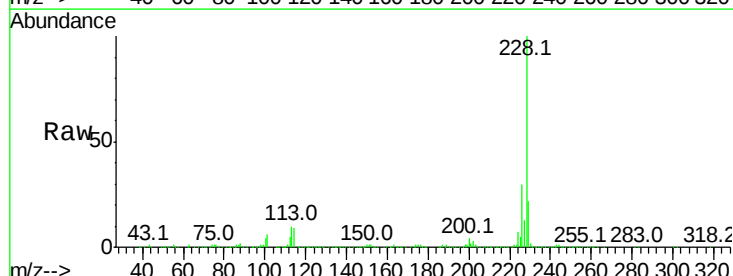
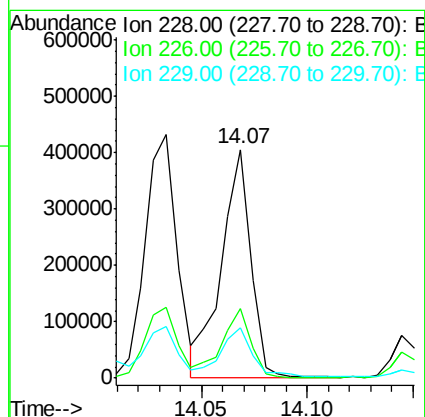
Manual Integrations
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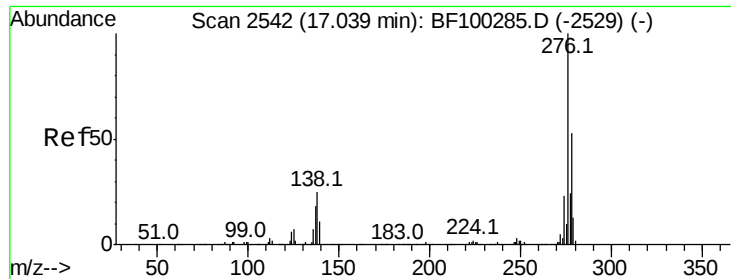
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#82
Chrysene
Concen: 32.524 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.02 min
Lab File: BF100630.D
Acq: 16 Nov 2017 15:04

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	25.0	37.6
229	21.9	16.2	24.4





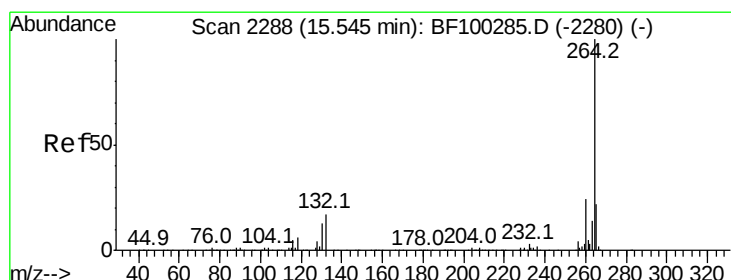
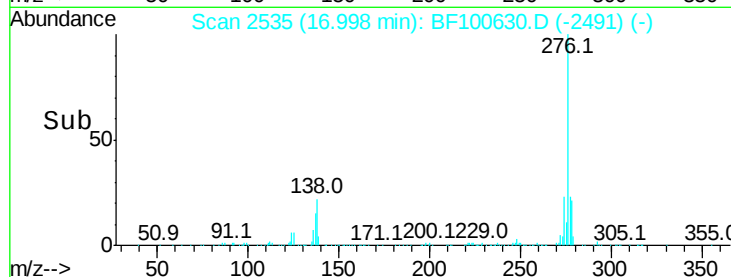
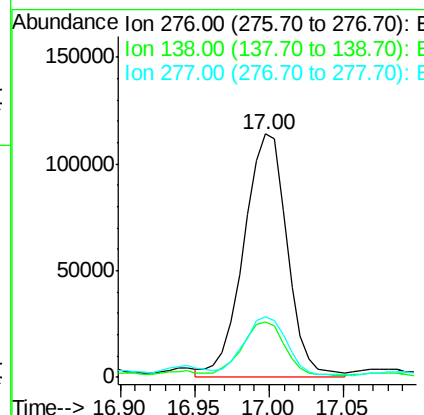
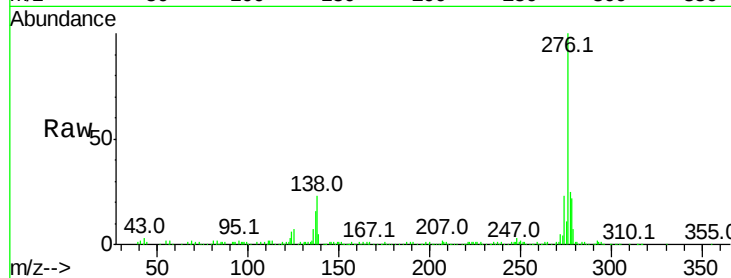
#85
Indeno(1,2,3-cd)pyrene
Concen: 24.055 ng
RT: 17.00 min Scan# 2535
Delta R.T. -0.04 min
Lab File: BF100630.D
Acq: 16 Nov 2017 15:04

Instrument :
BNA_F
ClientSampleId :
PL-01-111317-A

Tot Ion	Ratio	Lower	Upper
276	100		
138	4.7	25.0	37.6#
277	5.3	20.1	30.1#

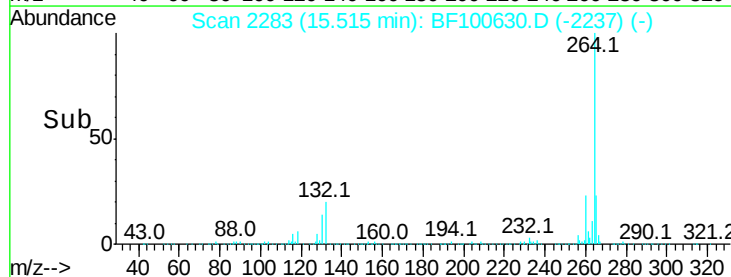
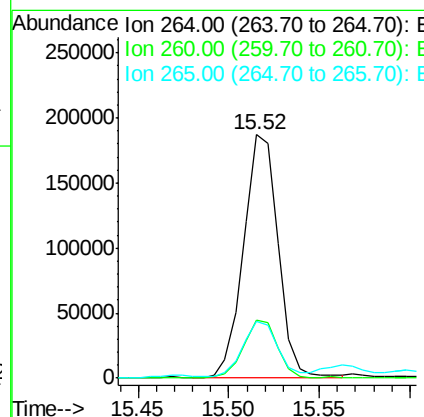
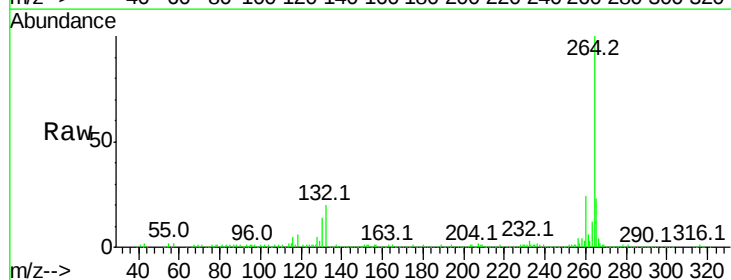
Manual Integrations
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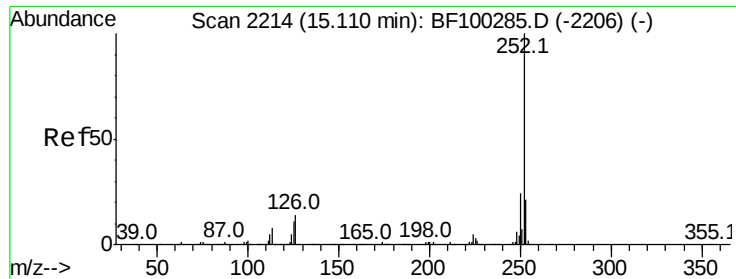
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2283
Delta R.T. -0.03 min
Lab File: BF100630.D
Acq: 16 Nov 2017 15:04

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	23.2	17.5	26.3





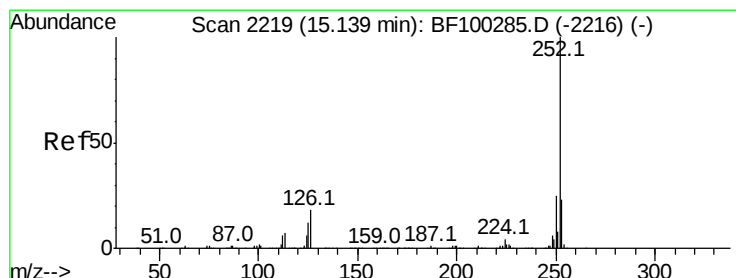
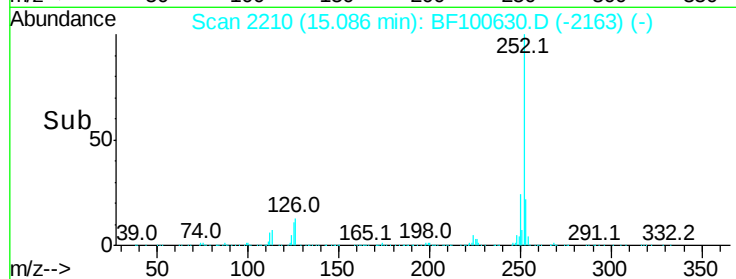
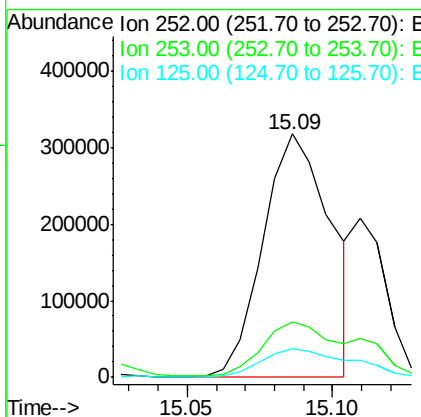
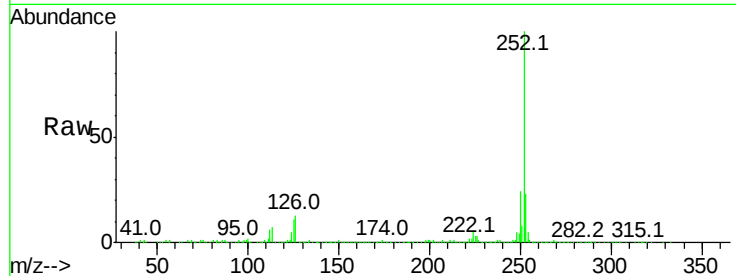
#87
Benzo(b)fluoranthene
Concen: 35.167 ng m
RT: 15.09 min Scan# 2210
Delta R.T. -0.02 min
Lab File: BF100630.D
Acq: 16 Nov 2017 15:04

Instrument :
BNA_F
ClientSampleId :
PL-01-111317-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.0	25.6
125	11.5	9.0	13.6

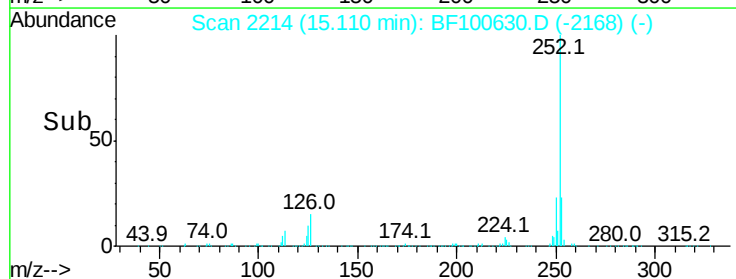
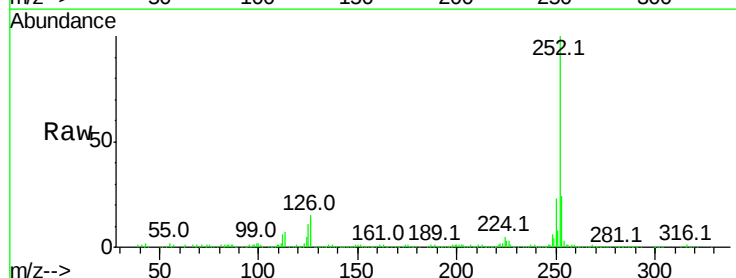
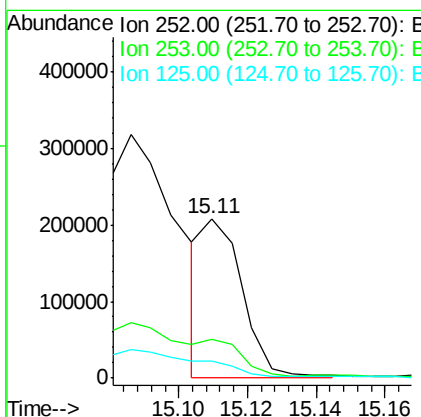
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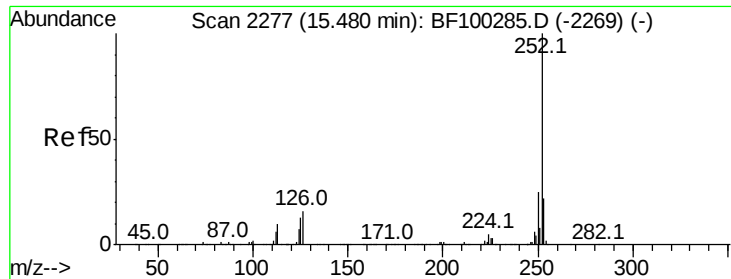
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#88
Benzo(k)fluoranthene
Concen: 12.143 ng m
RT: 15.11 min Scan# 2214
Delta R.T. -0.03 min
Lab File: BF100630.D
Acq: 16 Nov 2017 15:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.9	26.9
125	10.8	10.2	15.2





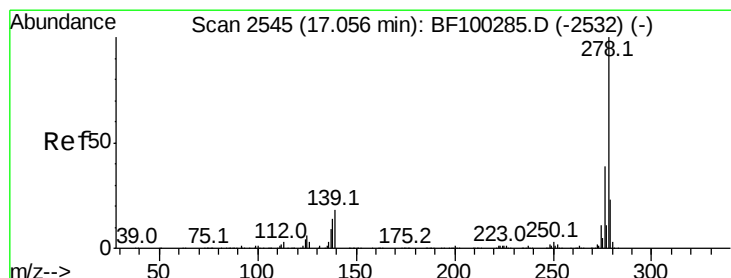
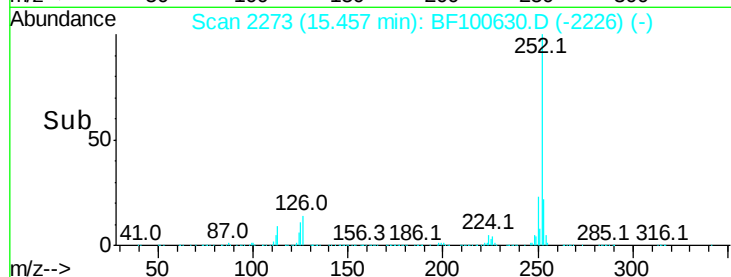
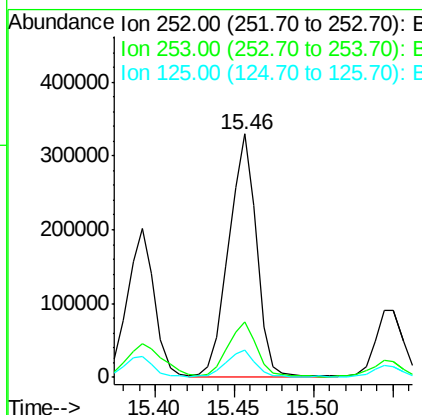
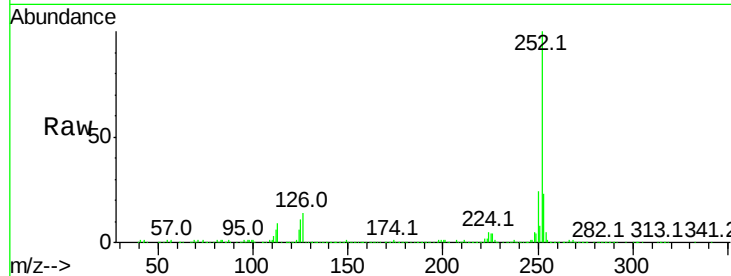
#89
Benzo(a)pyrene
Concen: 30.725 ng
RT: 15.46 min Scan# 2273
Delta R.T. -0.02 min
Lab File: BF100630.D
Acq: 16 Nov 2017 15:04

Instrument :
BNA_F
ClientSampleId :
PL-01-111317-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.1	25.7
125	11.5	9.8	14.6

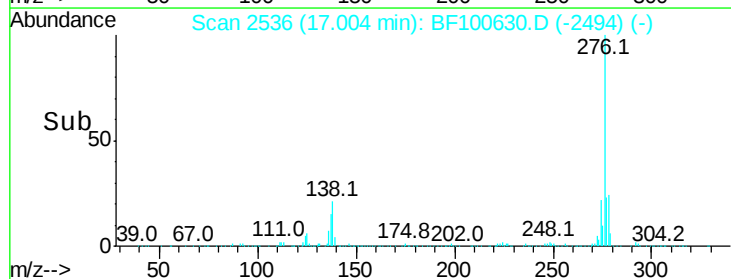
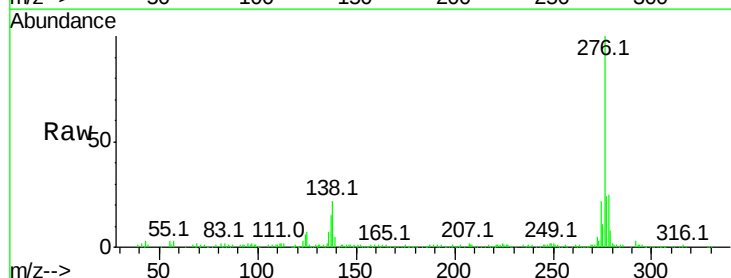
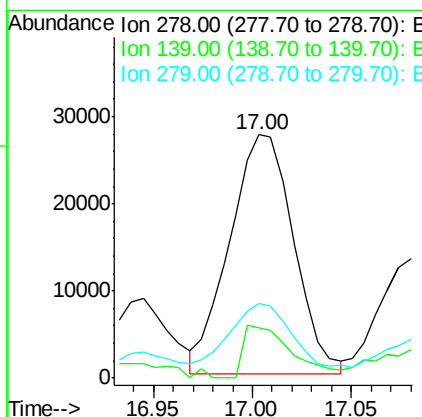
Manual Integrations
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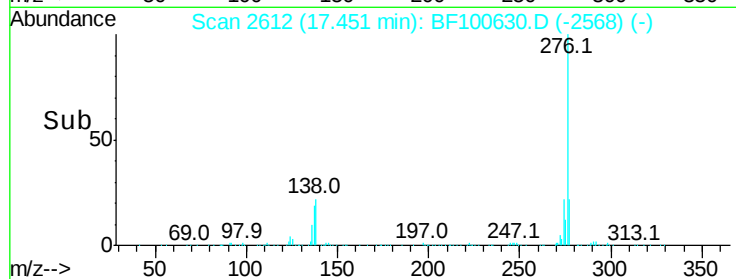
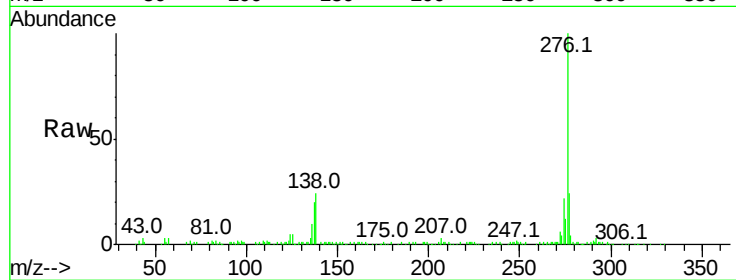
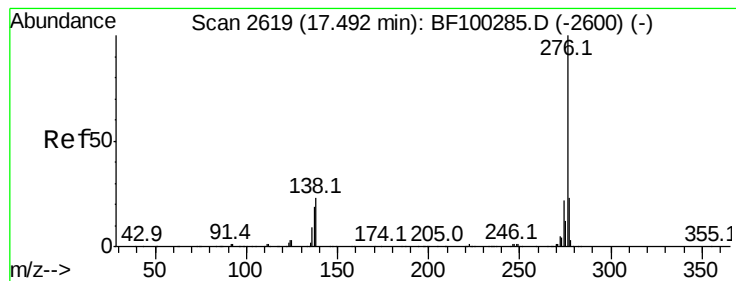
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#90
Dibenzo(a,h)anthracene
Concen: 5.803 ng m
RT: 17.00 min Scan# 2536
Delta R.T. -0.05 min
Lab File: BF100630.D
Acq: 16 Nov 2017 15:04

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.9	15.9	23.9
279	30.5	19.0	28.4#





#91

Benzo(a,h,i)perylene

Concen: 18.922 ng

RT: 17.45 min Scan# 2612

Delta R.T. -0.04 min

Lab File: BF100630.D

Acq: 16 Nov 2017 15:04

Instrument :

BNA_F

ClientSampleId :

PL-01-111317-A

Tot Ion	Ratio	Resp	Lower	Upper
276	100	195831		
277	24.0		17.9	26.9
138	23.5		21.8	32.8

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