

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF111317\
 Data File : BF100507.D
 Acq On : 13 Nov 2017 17:47
 Operator : SJ/JU
 Sample : I6301-13 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-110917-G

Manual Integrations
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 11/14/2017 5:20:27 PM

Quant Time: Nov 14 02:35:08 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 13 14:08:38 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	87287	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	317641	20.00	ng	0.00
38) Acenaphthene-d10	9.93	164	129853	20.00	ng	0.00
63) Phenanthrene-d10	11.42	188	198679	20.00	ng	0.00
75) Chrysene-d12	14.06	240	179682	20.00	ng	0.00
86) Perylene-d12	15.54	264	172564	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	290443	53.34	ng	0.00
7) Phenol-d6	6.51	99	338493	50.41	ng	0.00
23) Nitrobenzene-d5	7.45	82	200156	41.66	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	68676	51.90	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	330359	38.74	ng	0.00
78) Terphenyl-d14	13.00	244	211515	27.05	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.19	128	45680	2.986	ng	100
37) 2-Methylnaphthalene	8.89	142	36849	3.628	ng	98
49) Dimethylphthalate	9.64	163	86382	8.713	ng	# 98
51) Acenaphthene	9.96	154	53951	6.570	ng	97
54) Dibenzofuran	10.13	168	53950	4.687	ng	96
57) Fluorene	10.47	166	93958	11.144	ng	100
70) Phenanthrene	11.44	178	631279	60.348	ng	99
71) Anthracene	11.49	178	159718	15.049	ng	98
72) Carbazole	11.64	167	55950	5.714	ng	99
74) Fluoranthene	12.63	202	632494	57.051	ng	94
77) Pyrene	12.86	202	554105	43.261	ng	99
80) Benzo(a)anthracene	14.04	228	282869	26.142	ng	99
82) Chrysene	14.08	228	235408	22.467	ng	98
85) Indeno(1,2,3-cd)pyrene	17.02	276	82116	9.689	ng	# 89
87) Benzo(b)fluoranthene	15.10	252	274218m	26.822	ng	
88) Benzo(k)fluoranthene	15.13	252	73775m	7.637	ng	
89) Benzo(a)pyrene	15.47	252	185484	20.465	ng	96
90) Dibenzo(a,h)anthracene	17.04	278	21654	2.921	ng	94
91) Benzo(a,h,i)perylene	17.47	276	72583	10.004	ng	# 91

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

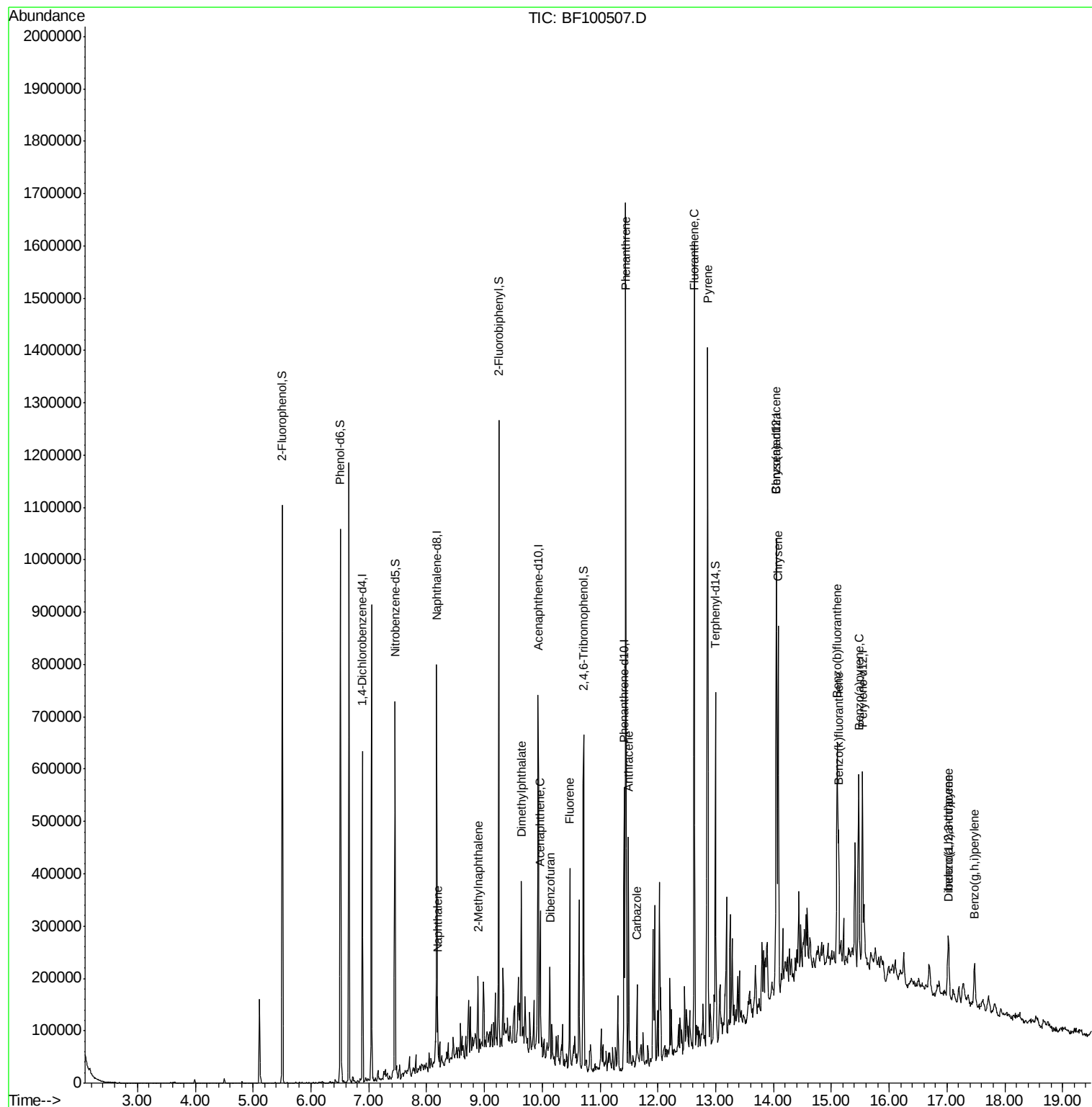
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF111317\
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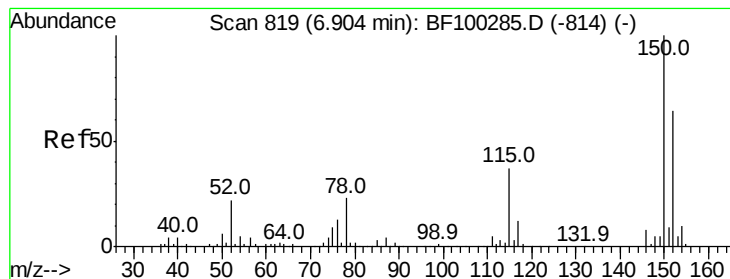
Instrument :
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ClientSampleId :
JC-02-110917-G

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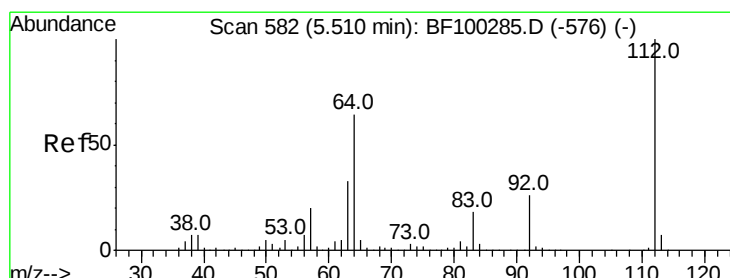
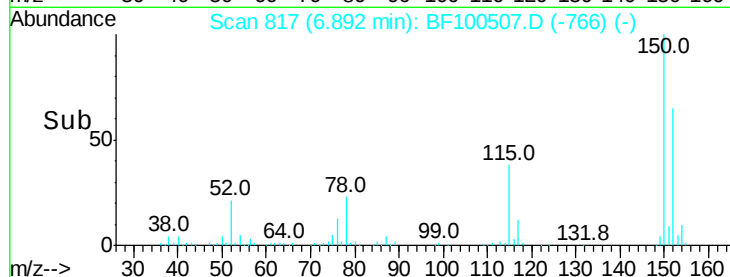
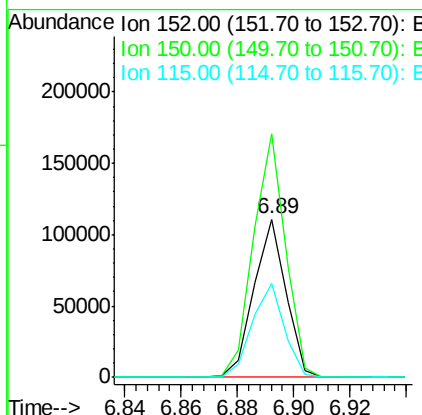
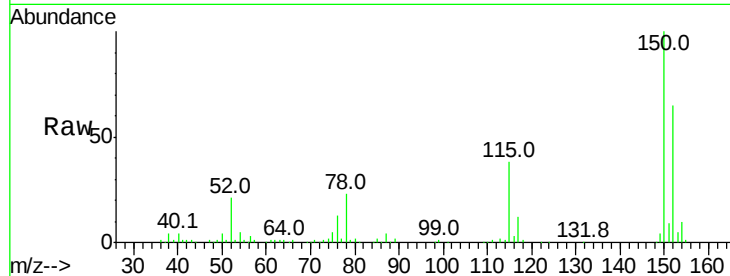
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.89 min Scan# 817
 Delta R.T. -0.00 min
 Lab File: BF100507.D
 Acq: 13 Nov 2017 17:47

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-110917-G

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.2	124.6	186.8
115	59.1	50.1	75.1

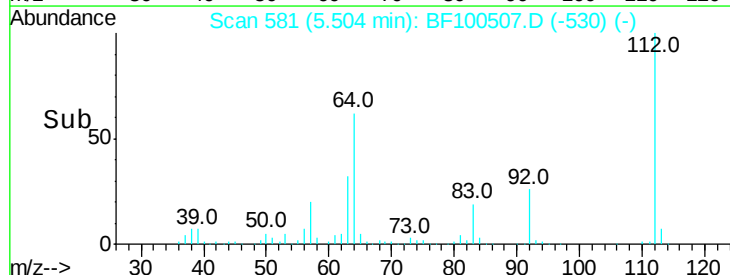
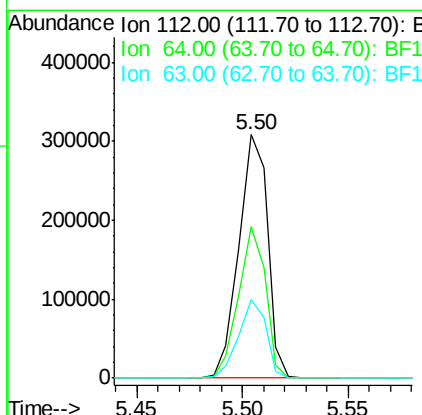
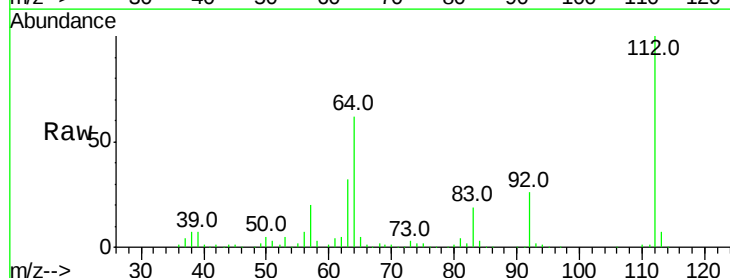
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#5
 2-Fluorophenol
 Concen: 53.339 ng
 RT: 5.50 min Scan# 581
 Delta R.T. -0.00 min
 Lab File: BF100507.D
 Acq: 13 Nov 2017 17:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.2	47.9	71.9
63	32.2	23.7	35.5





#7

Phenol-d6

Concen: 50.410 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF100507.D

Acq: 13 Nov 2017 17:47

Instrument :

BNA_F

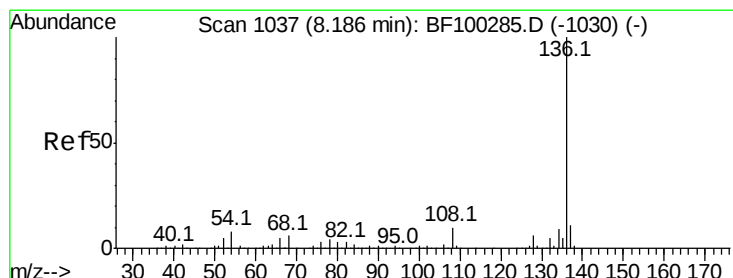
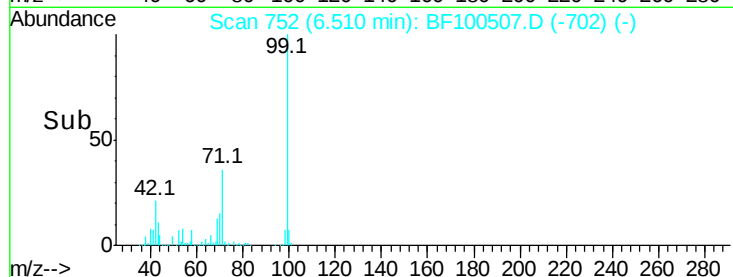
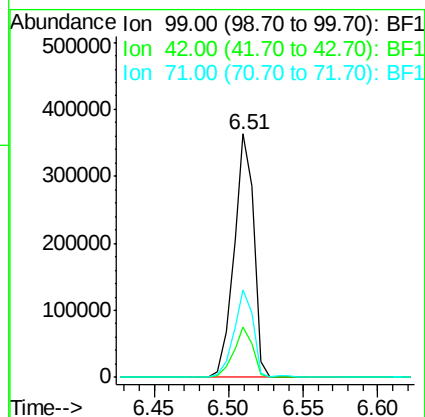
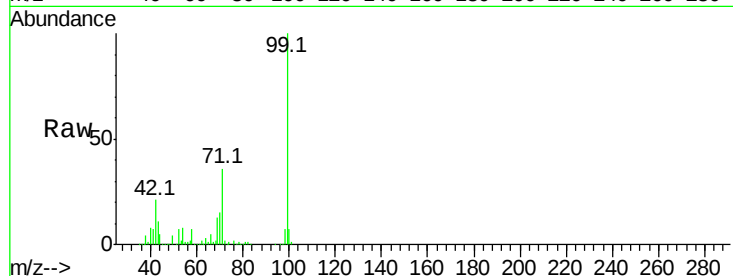
ClientSampleId :

JC-02-110917-G

Tot Ion:	99	Resp:	338493
Ion	Ratio	Lower	Upper
99	100		
42	20.7	14.5	21.7
71	36.1	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

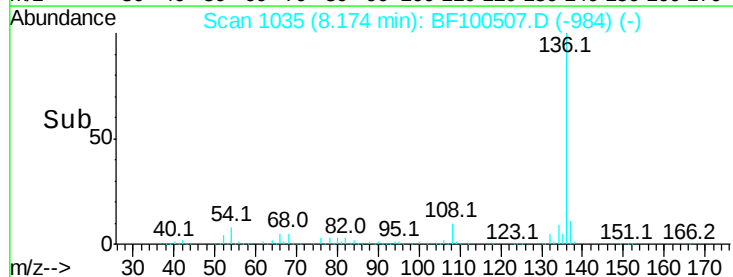
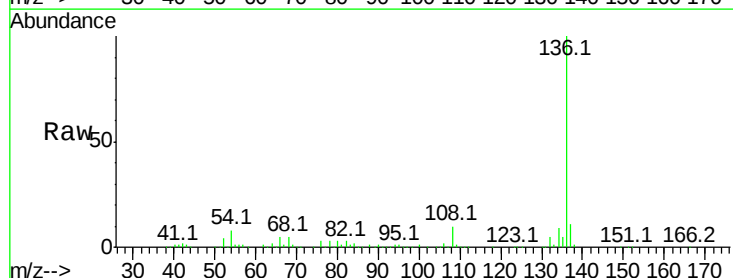
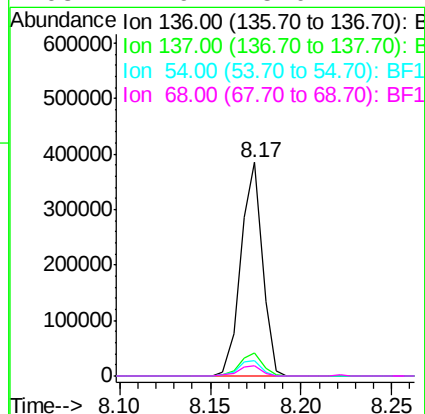
RT: 8.17 min Scan# 1035

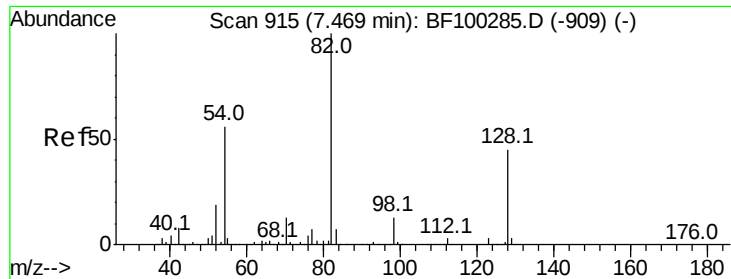
Delta R.T. -0.00 min

Lab File: BF100507.D

Acq: 13 Nov 2017 17:47

Tgt Ion:	136	Resp:	317641
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	7.5	6.6	9.8
68	4.9	5.0	7.4#





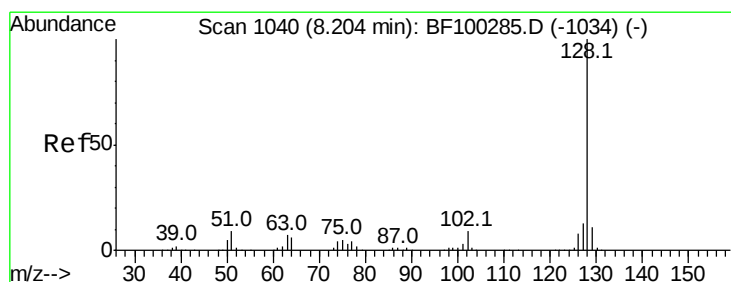
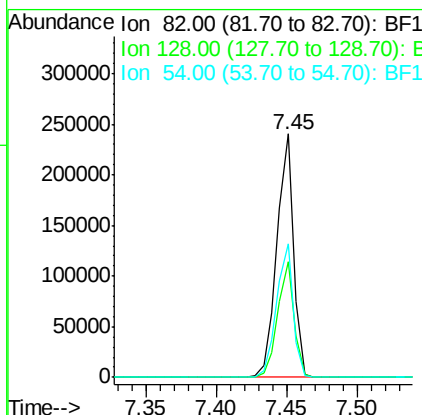
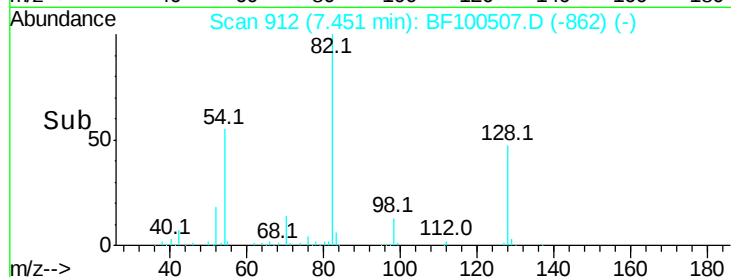
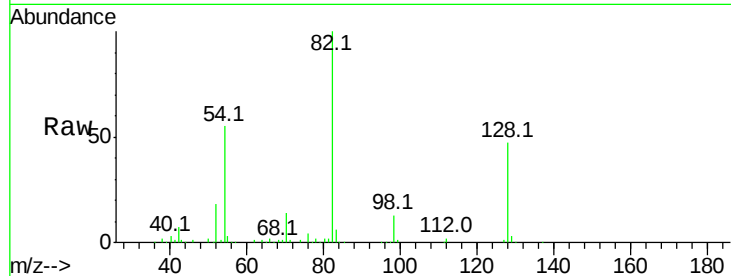
#23
 Nitrobenzene-d5
 Concen: 41.660 ng
 RT: 7.45 min Scan# 912
 Delta R.T. -0.01 min
 Lab File: BF100507.D
 Acq: 13 Nov 2017 17:47

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-110917-G

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	47.4	36.1	54.1	
54	54.8	41.4	62.2	

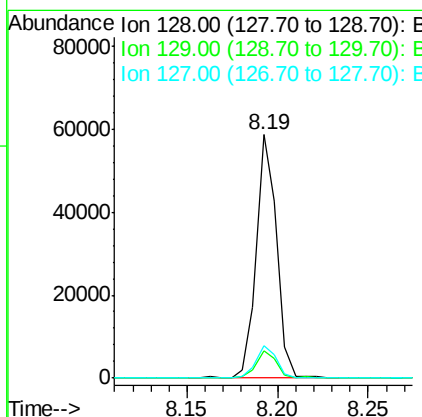
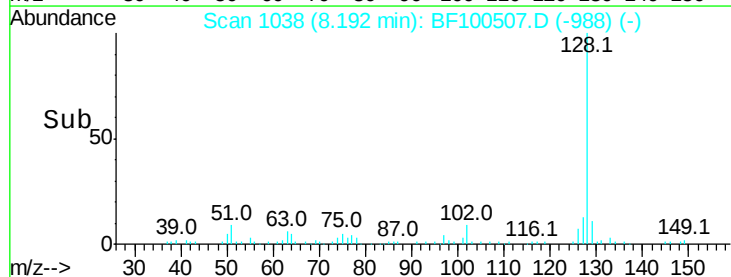
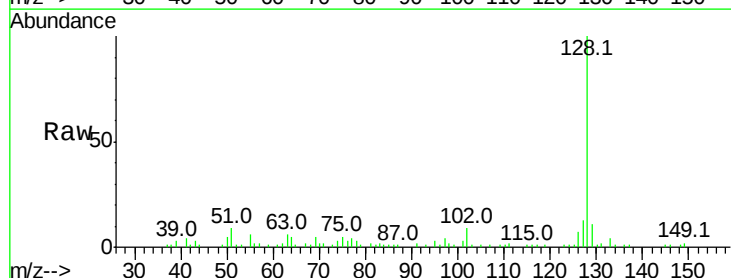
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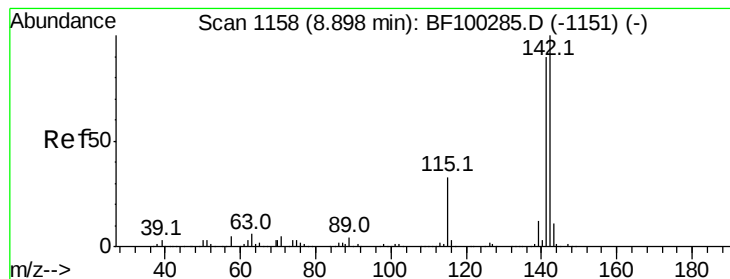
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#31
 Naphthalene
 Concen: 2.986 ng
 RT: 8.19 min Scan# 1038
 Delta R.T. -0.01 min
 Lab File: BF100507.D
 Acq: 13 Nov 2017 17:47

Tgt Ion	Ratio	Resp	Lower	Upper
128	100			
129	11.0	8.8	13.2	
127	13.4	10.9	16.3	





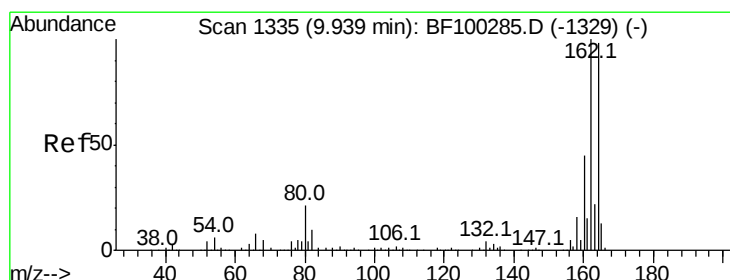
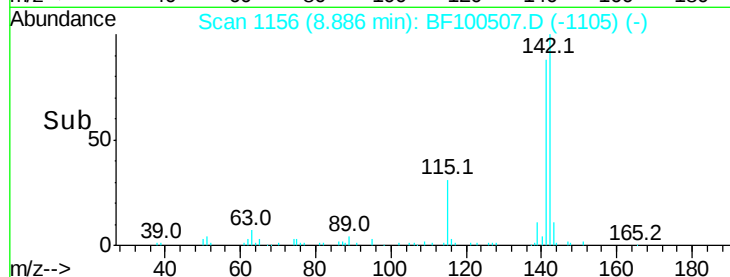
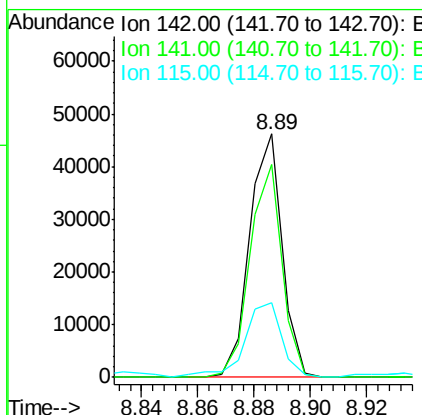
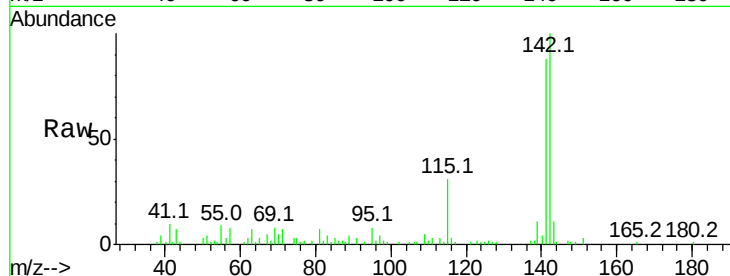
#37
2-Methylnaphthalene
Concen: 3.628 ng
RT: 8.89 min Scan# 1156
Delta R.T. -0.00 min
Lab File: BF100507.D
Acq: 13 Nov 2017 17:47

Instrument :
BNA_F
ClientSampleId :
JC-02-110917-G

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.6	70.8	106.2
115	30.7	26.1	39.1

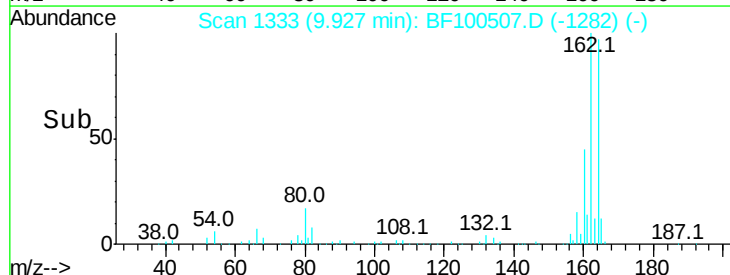
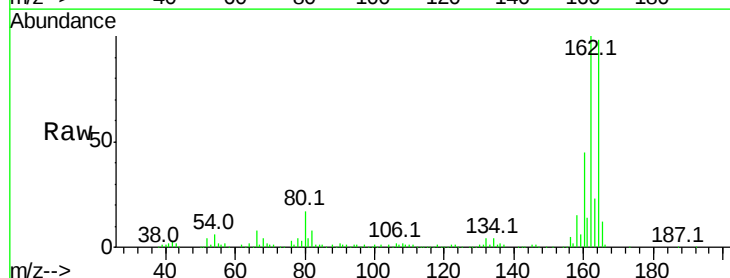
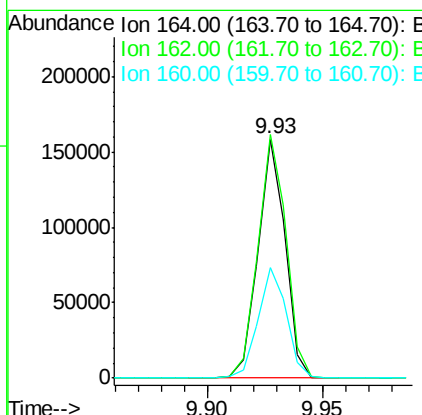
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.00 min
Lab File: BF100507.D
Acq: 13 Nov 2017 17:47

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.0	86.1	129.1
160	46.3	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 51.901 ng

RT: 10.72 min Scan# 1467

Delta R.T. -0.00 min

Lab File: BF100507.D

Acq: 13 Nov 2017 17:47

Instrument :

BNA_F

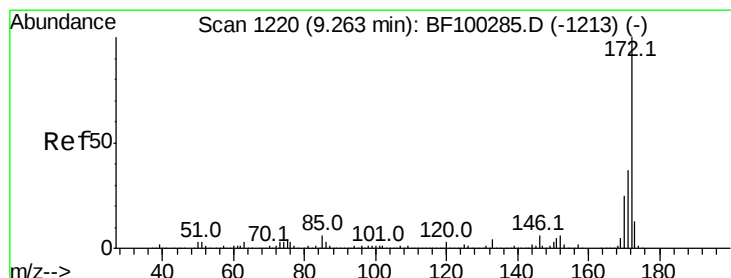
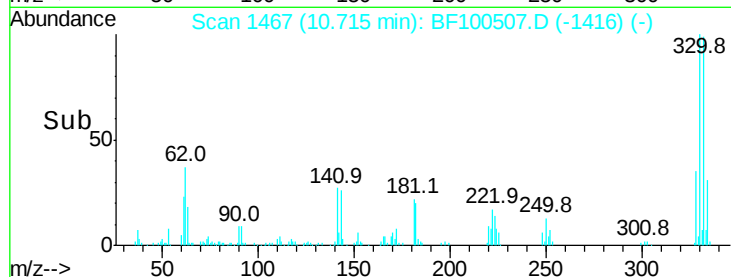
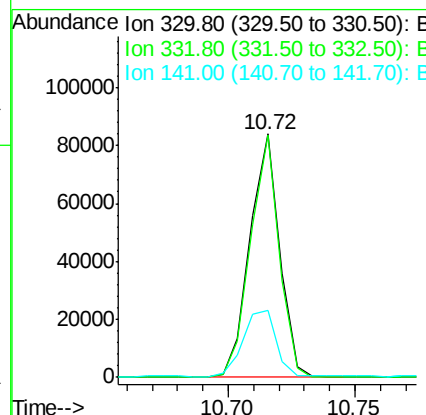
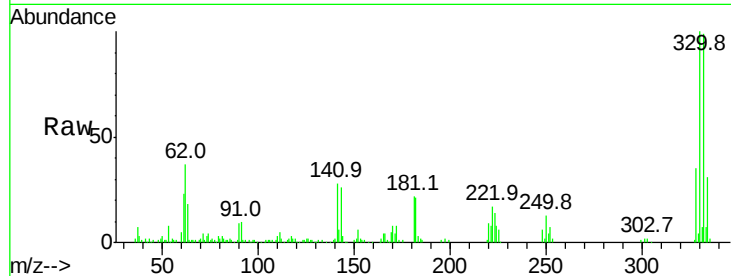
ClientSampleId :

JC-02-110917-G

Tot Ion:	330	Resp:	68676
Ion Ratio	Lower	Upper	
330	100		
332	95.7	77.0	115.6
141	30.4	29.9	44.9

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#44

2-Fluorobiphenyl

Concen: 38.739 ng

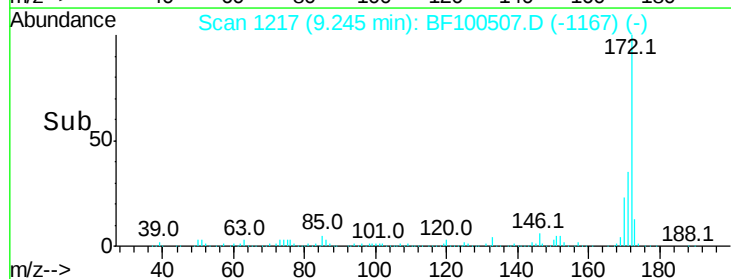
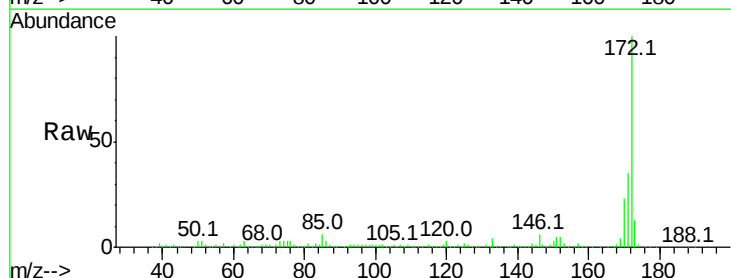
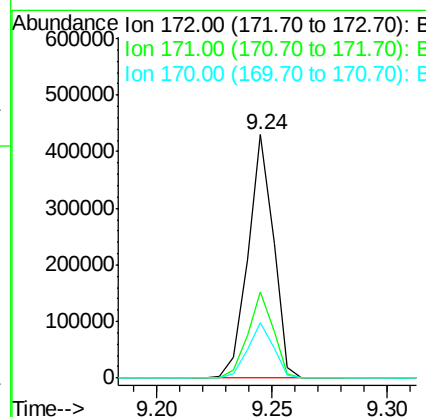
RT: 9.24 min Scan# 1217

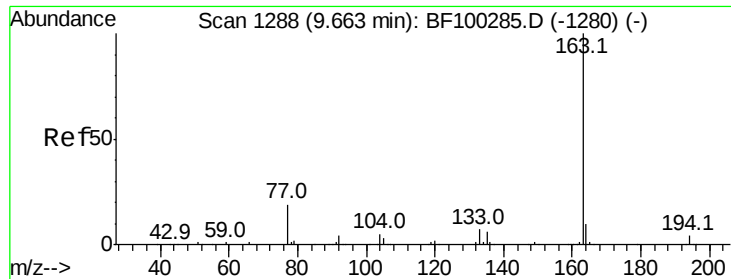
Delta R.T. -0.01 min

Lab File: BF100507.D

Acq: 13 Nov 2017 17:47

Tgt Ion:	172	Resp:	330359
Ion Ratio	Lower	Upper	
172	100		
171	35.5	29.7	44.5
170	22.8	19.6	29.4





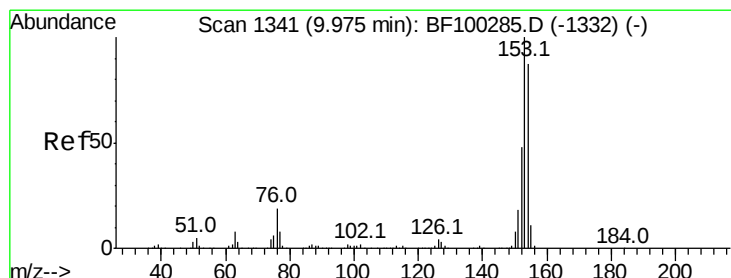
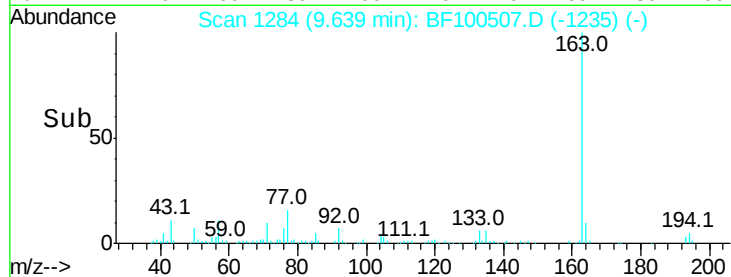
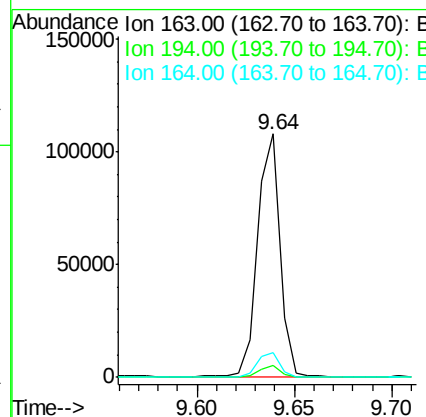
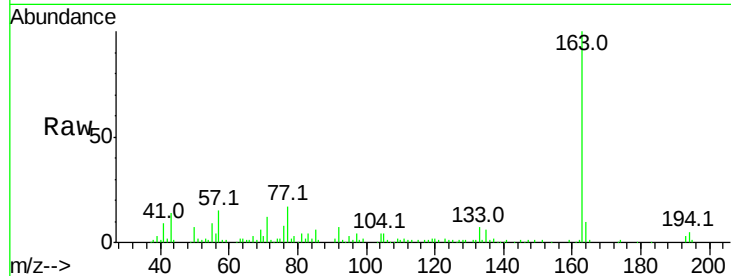
#49
Dimethylphthalate
Concen: 8.713 ng
RT: 9.64 min Scan# 1284
Delta R.T. -0.01 min
Lab File: BF100507.D
Acq: 13 Nov 2017 17:47

Instrument :
BNA_F
ClientSampleId :
JC-02-110917-G

Tot Ion	Ratio	Resp	Lower	Upper
163	100	86382		
194	5.1	2.7	4.1#	
164	9.9	8.2	12.2	

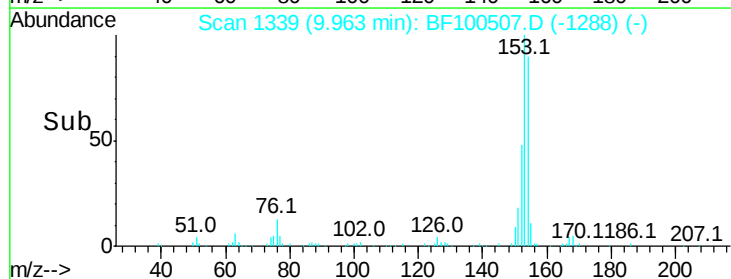
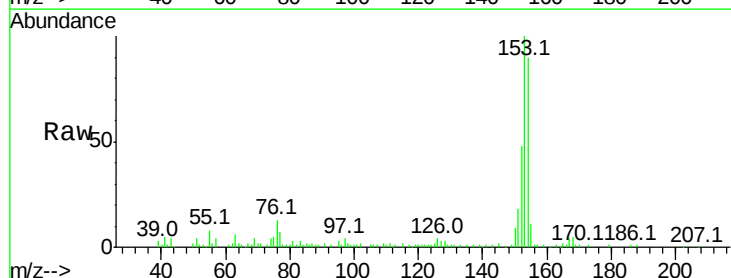
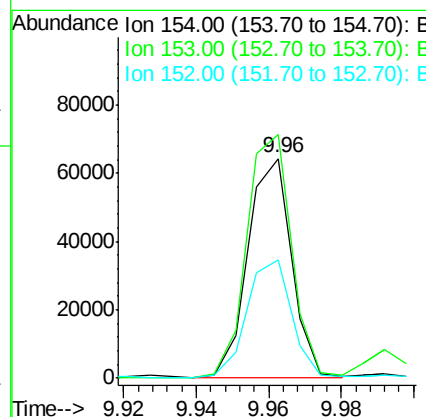
Manual Integrations
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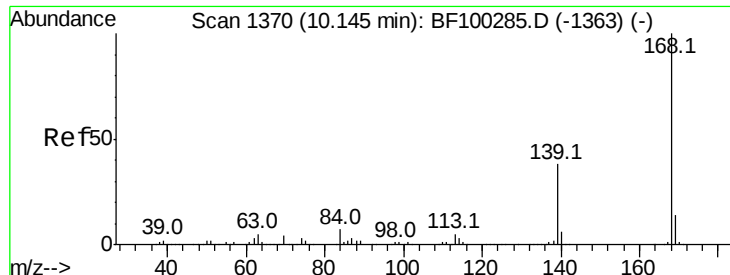
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#51
Acenaphthene
Concen: 6.570 ng
RT: 9.96 min Scan# 1339
Delta R.T. -0.00 min
Lab File: BF100507.D
Acq: 13 Nov 2017 17:47

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	53951		
153	110.7	91.2	136.8	
152	53.5	43.8	65.8	





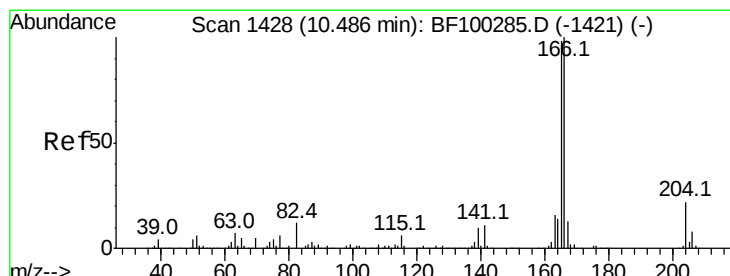
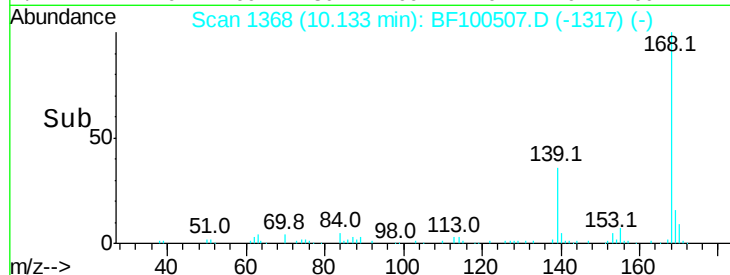
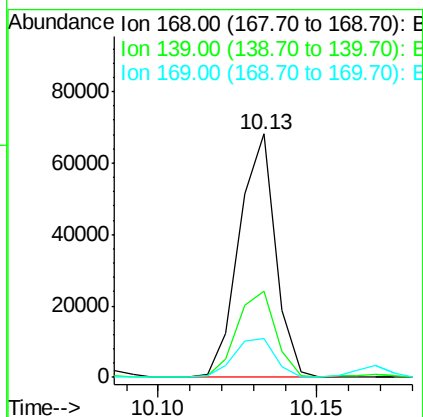
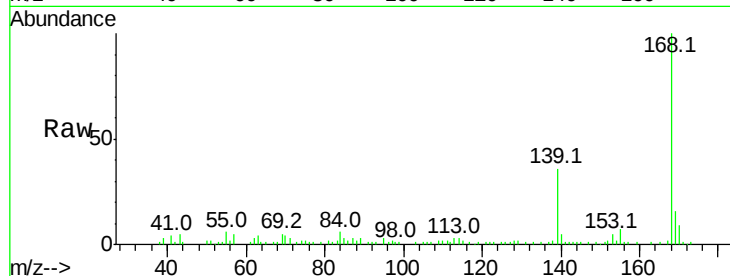
#54
Dibenzenofuran
Concen: 4.687 ng
RT: 10.13 min Scan# 1368
Delta R.T. -0.00 min
Lab File: BF100507.D
Acq: 13 Nov 2017 17:47

Instrument :
BNA_F
ClientSampleId :
JC-02-110917-G

Tot Ion	Ratio	Lower	Upper
168	100		
139	35.6	30.1	45.1
169	16.0	10.9	16.3

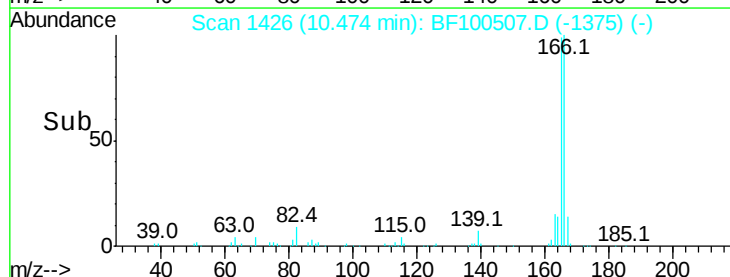
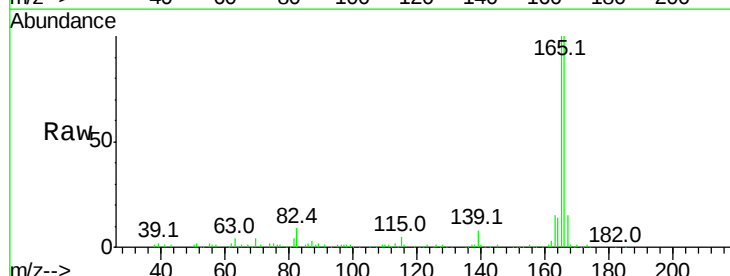
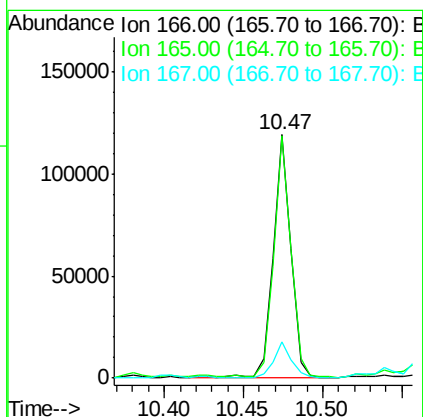
Manual Integrations
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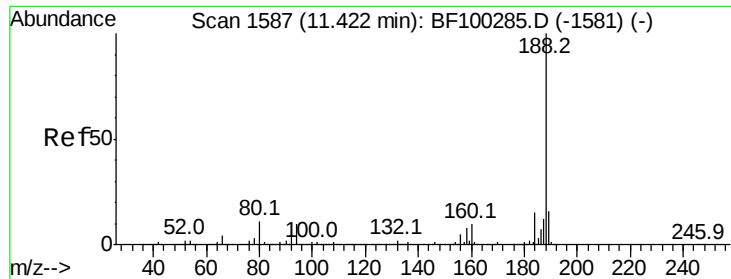
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#57
Fluorene
Concen: 11.144 ng
RT: 10.47 min Scan# 1426
Delta R.T. -0.00 min
Lab File: BF100507.D
Acq: 13 Nov 2017 17:47

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.7	79.8	119.8
167	14.7	10.6	16.0





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.42 min Scan# 1586

Delta R.T. 0.01 min

Lab File: BF100507.D

Acq: 13 Nov 2017 17:47

Instrument :

BNA_F

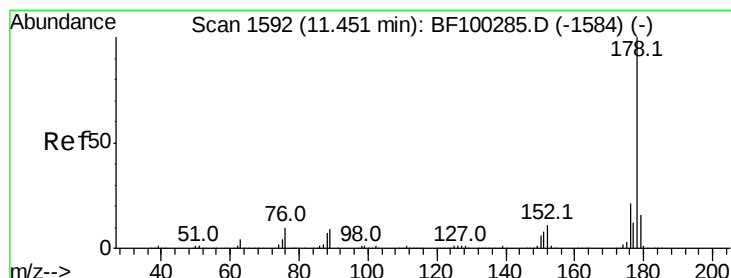
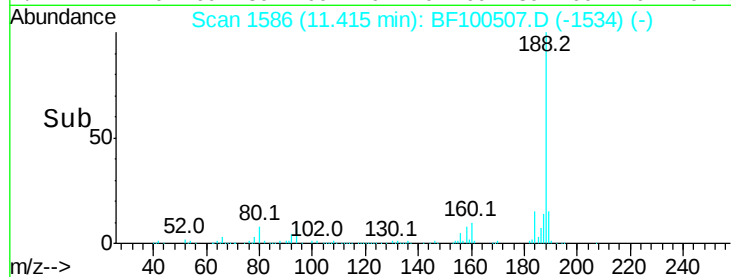
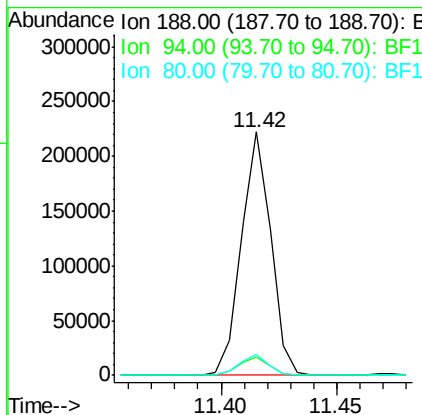
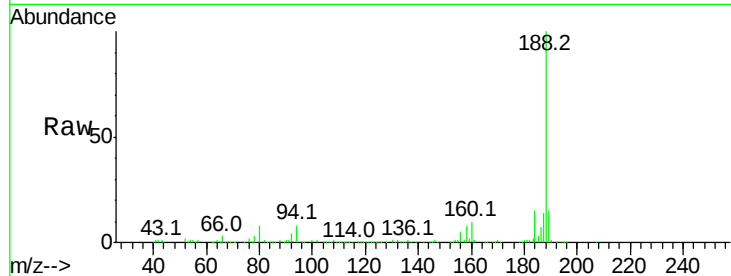
ClientSampleId :

JC-02-110917-G

Tot Ion:	188	Resp:	198679
Ion Ratio	Lower	Upper	
188	100		
94	7.6	8.5	12.7#
80	8.4	9.2	13.8#

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#70

Phenanthrene

Concen: 60.348 ng

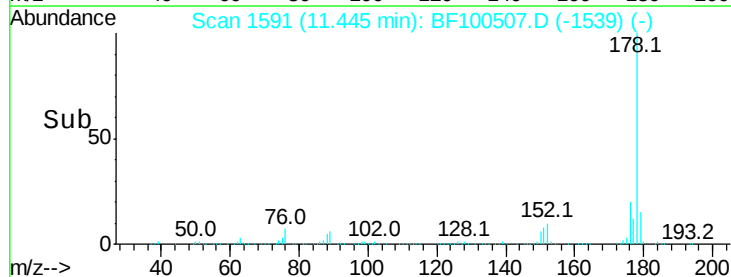
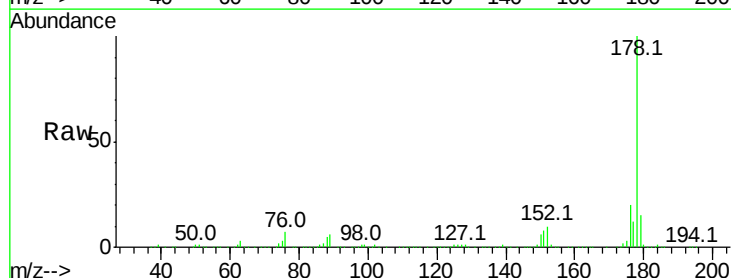
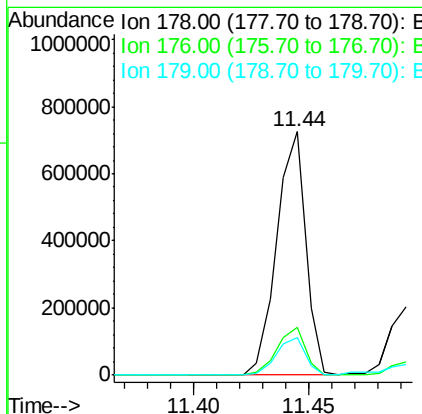
RT: 11.44 min Scan# 1591

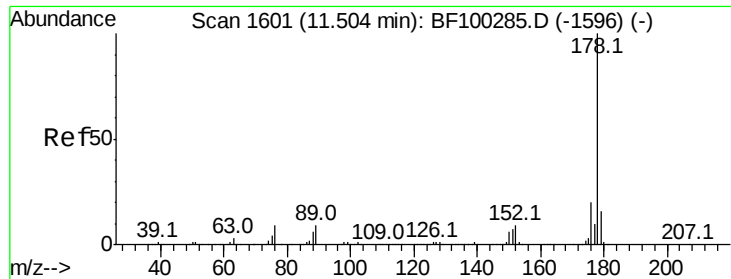
Delta R.T. 0.01 min

Lab File: BF100507.D

Acq: 13 Nov 2017 17:47

Tgt Ion:	178	Resp:	631279
Ion Ratio	Lower	Upper	
178	100		
176	19.6	15.8	23.8
179	15.4	13.0	19.6





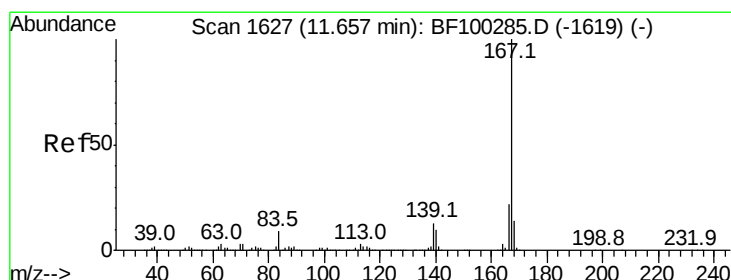
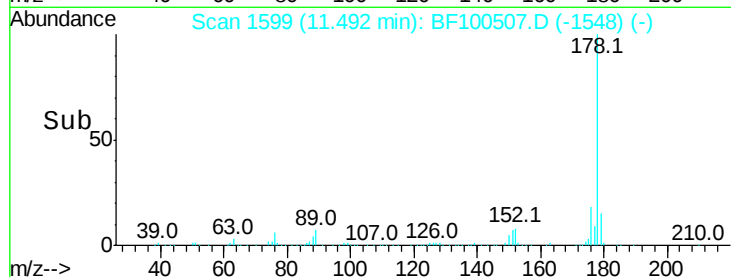
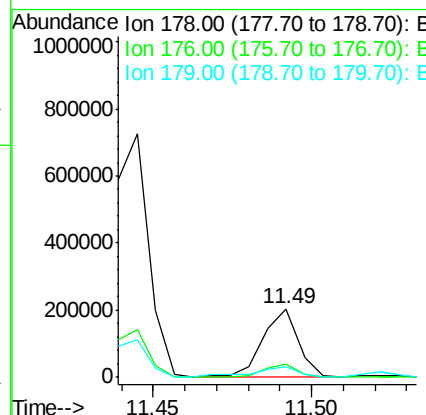
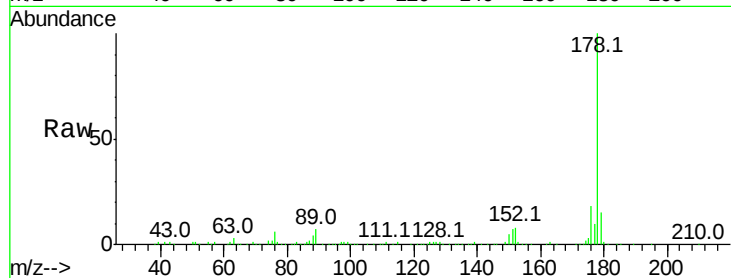
#71
 Anthracene
 Concen: 15.049 ng
 RT: 11.49 min Scan# 1599
 Delta R.T. -0.00 min
 Lab File: BF100507.D
 Acq: 13 Nov 2017 17:47

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-110917-G

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.4	23.2
179	15.2	12.6	19.0

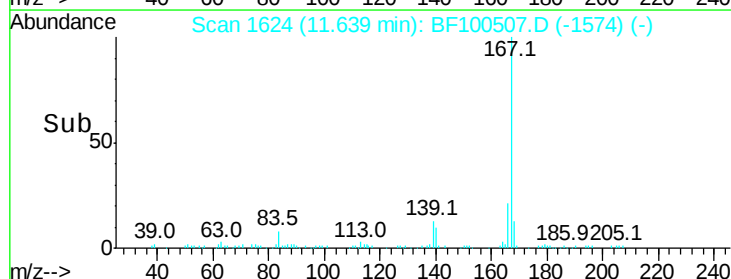
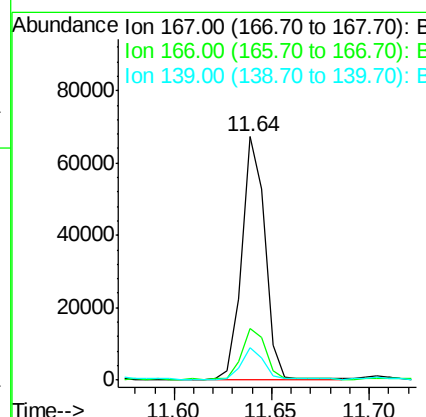
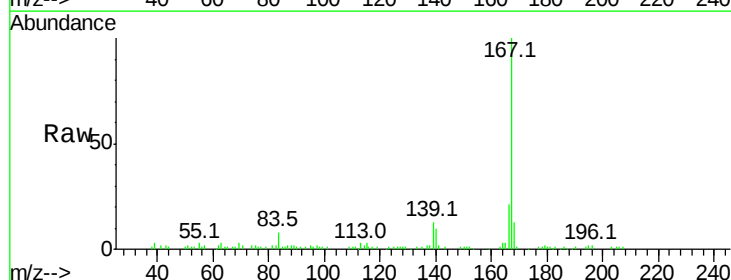
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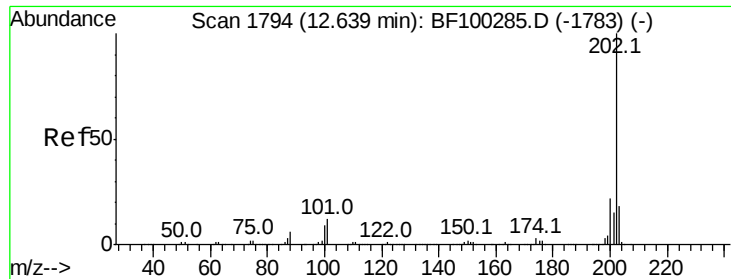
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#72
 Carbazole
 Concen: 5.714 ng
 RT: 11.64 min Scan# 1624
 Delta R.T. -0.01 min
 Lab File: BF100507.D
 Acq: 13 Nov 2017 17:47

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.6	26.4
139	13.3	10.9	16.3





#74

Fluoranthene

Concen: 57.051 ng

RT: 12.63 min Scan# 1793

Delta R.T. 0.01 min

Lab File: BF100507.D

Acq: 13 Nov 2017 17:47

Instrument :

BNA_F

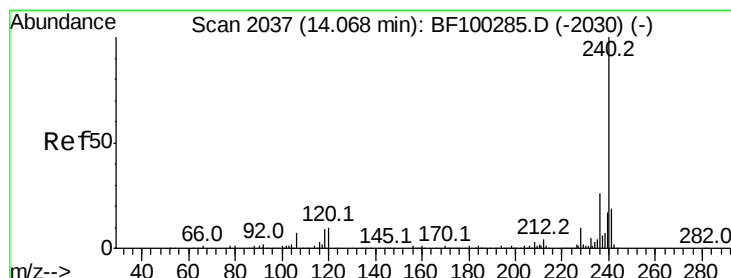
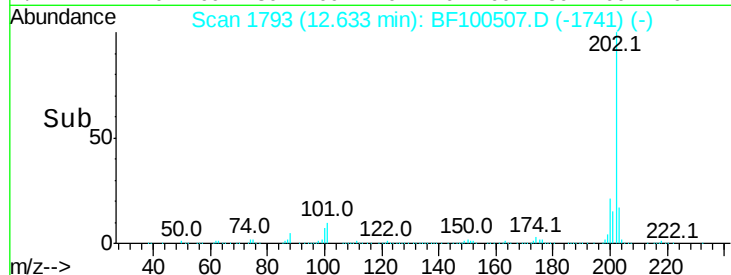
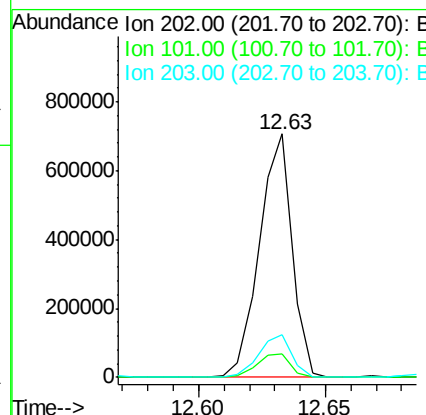
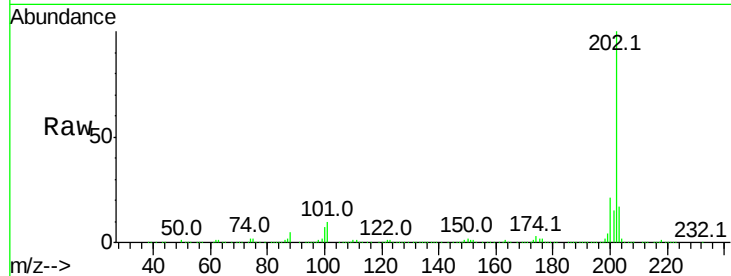
ClientSampleId :

JC-02-110917-G

Tot Ion:	202	Resp:	632494
Ion Ratio	Lower	Upper	
202	100		
101	9.5	0.0	34.1
203	17.3	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

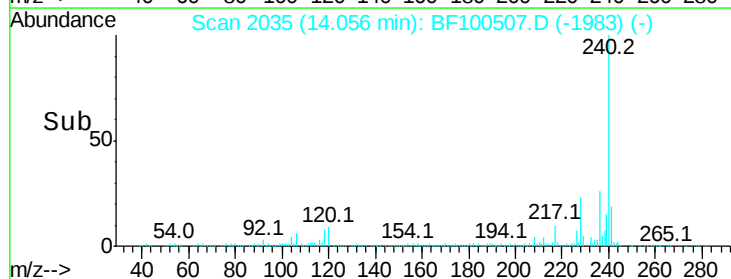
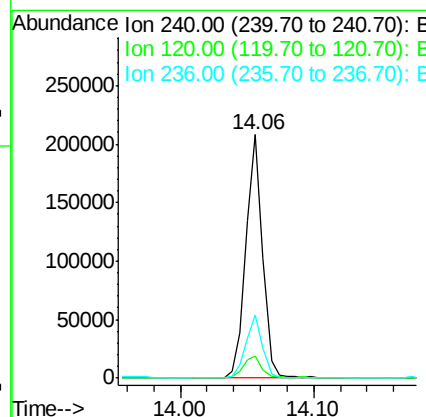
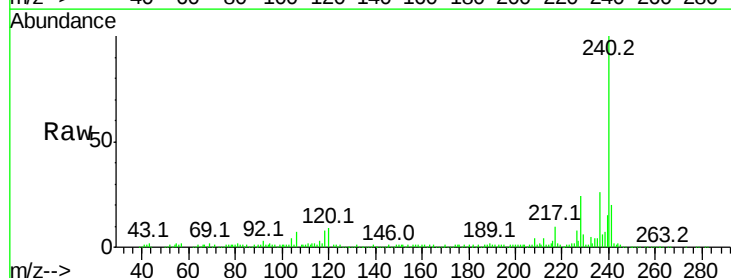
RT: 14.06 min Scan# 2035

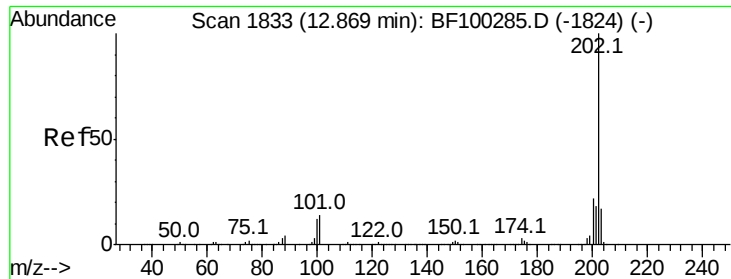
Delta R.T. 0.01 min

Lab File: BF100507.D

Acq: 13 Nov 2017 17:47

Tgt Ion:	240	Resp:	179682
Ion Ratio	Lower	Upper	
240	100		
120	9.1	9.5	14.3#
236	26.0	20.7	31.1





#77

Pvrene

Concen: 43.261 ng

RT: 12.86 min Scan# 1832

Delta R.T. 0.01 min

Lab File: BF100507.D

Acq: 13 Nov 2017 17:47

Instrument :

BNA_F

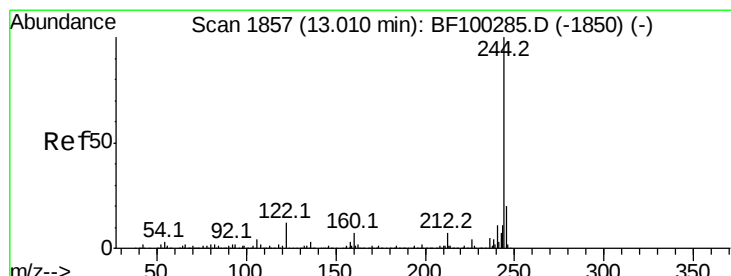
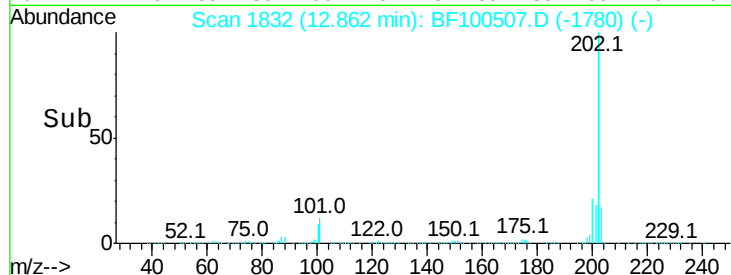
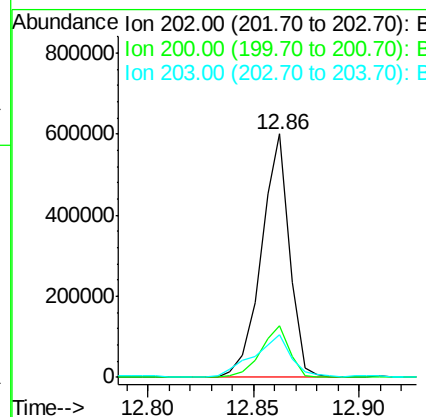
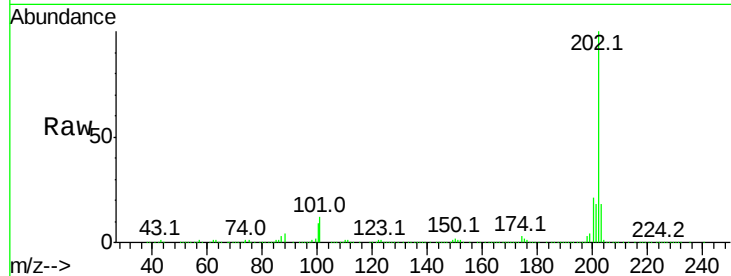
ClientSampleId :

JC-02-110917-G

Tot Ion:	202	Resp:	554105
Ion Ratio		Lower	Upper
202	100		
200	21.4	17.4	26.2
203	17.7	14.3	21.5

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#78

Terphenyl-d14

Concen: 27.048 ng

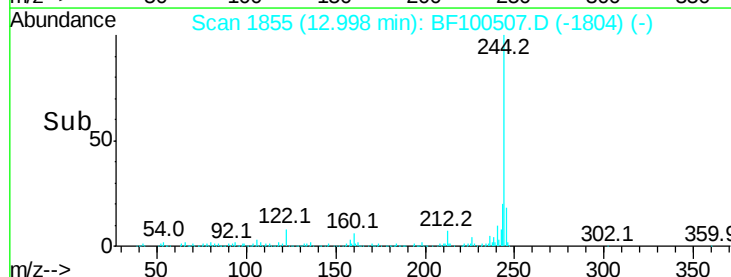
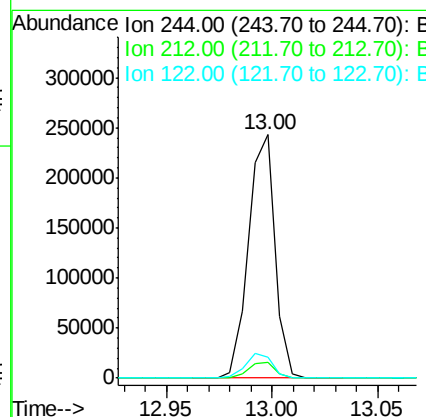
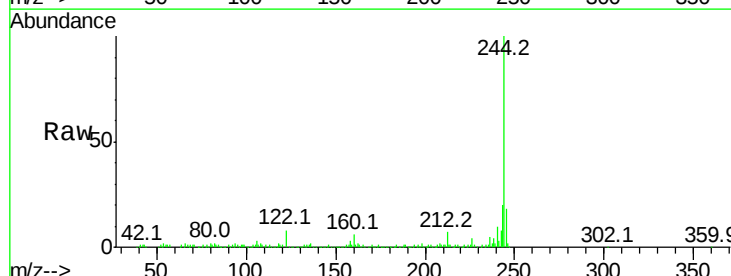
RT: 13.00 min Scan# 1855

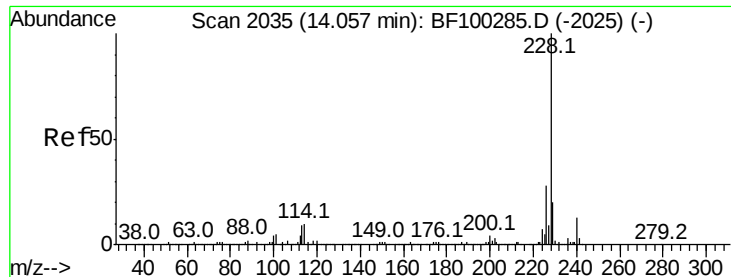
Delta R.T. -0.00 min

Lab File: BF100507.D

Acq: 13 Nov 2017 17:47

Tgt Ion:	244	Resp:	211515
Ion Ratio		Lower	Upper
244	100		
212	6.7	5.4	8.0
122	8.5	11.0	16.4#





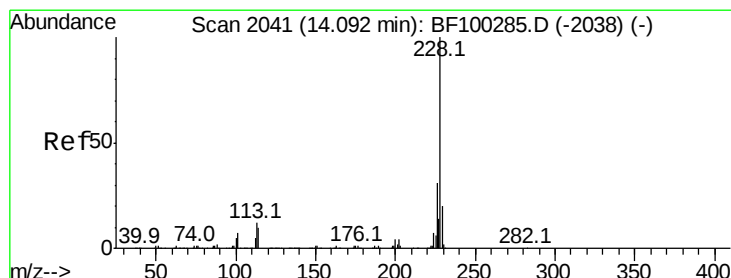
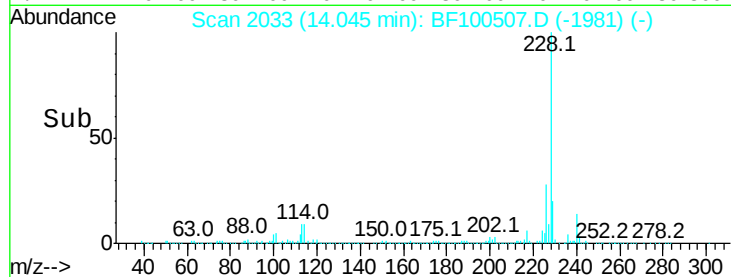
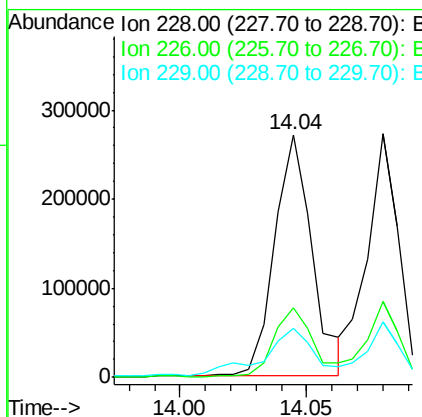
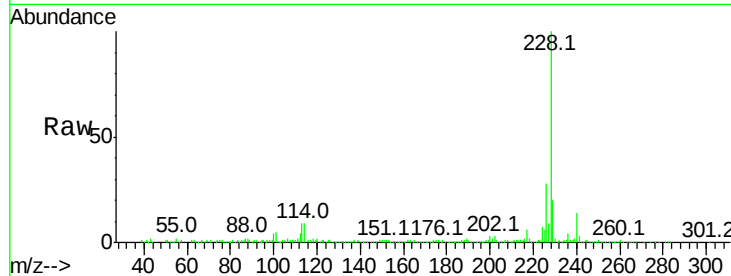
#80
Benzo(a)anthracene
Concen: 26.142 ng
RT: 14.04 min Scan# 2033
Delta R.T. 0.01 min
Lab File: BF100507.D
Acq: 13 Nov 2017 17:47

Instrument :
BNA_F
ClientSampleId :
JC-02-110917-G

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.6	33.8
229	20.4	15.8	23.6

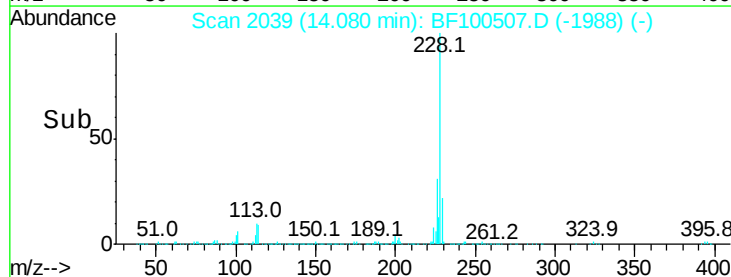
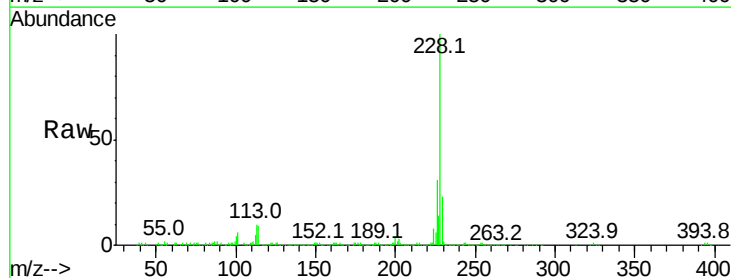
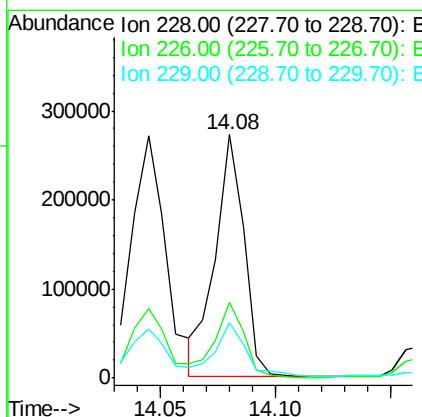
Manual Integrations
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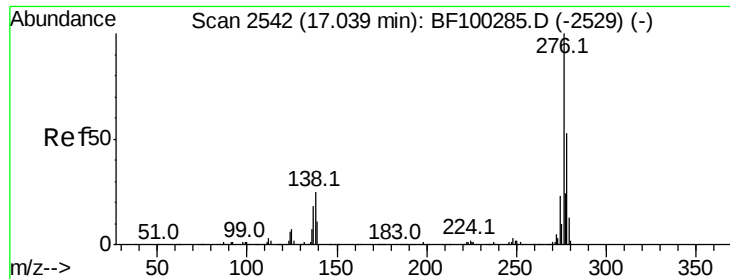
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#82
Chrysene
Concen: 22.467 ng
RT: 14.08 min Scan# 2039
Delta R.T. -0.00 min
Lab File: BF100507.D
Acq: 13 Nov 2017 17:47

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.4	25.0	37.6
229	22.8	16.2	24.4





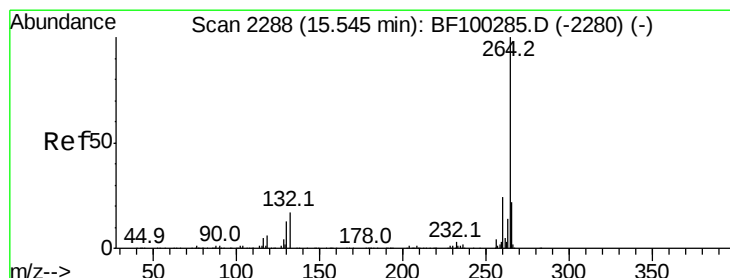
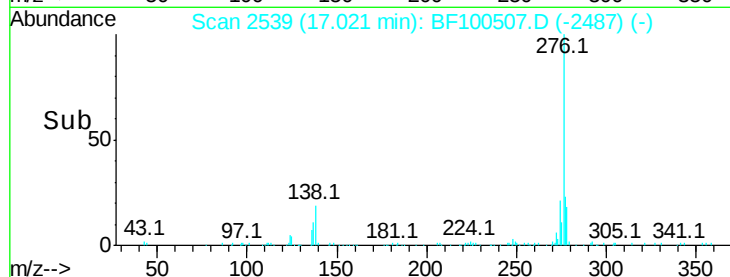
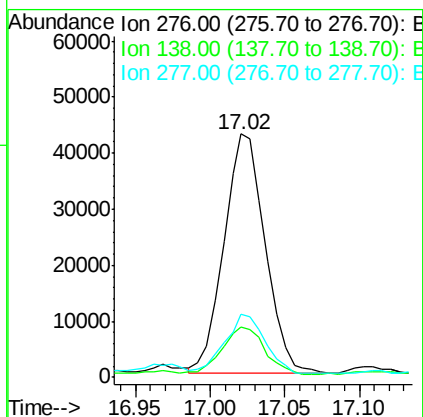
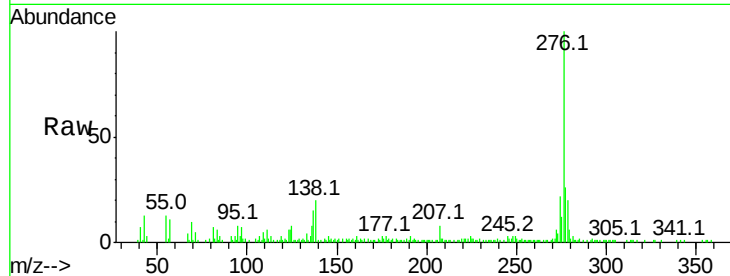
#85
Indeno(1,2,3-cd)pyrene
Concen: 9.689 ng
RT: 17.02 min Scan# 2539
Delta R.T. 0.01 min
Lab File: BF100507.D
Acq: 13 Nov 2017 17:47

Instrument :
BNA_F
ClientSampleId :
JC-02-110917-G

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.7	25.0	37.6#
277	24.5	20.1	30.1

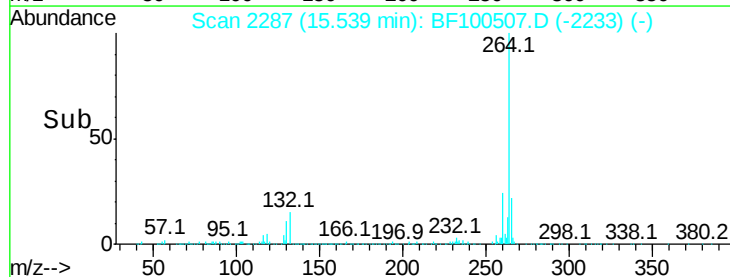
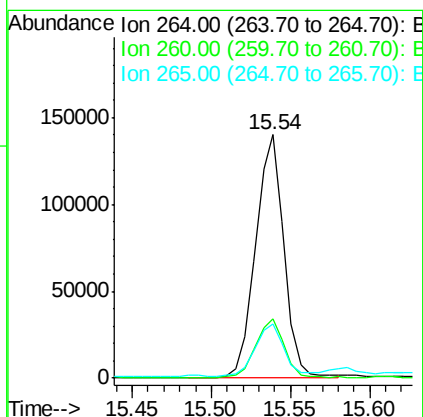
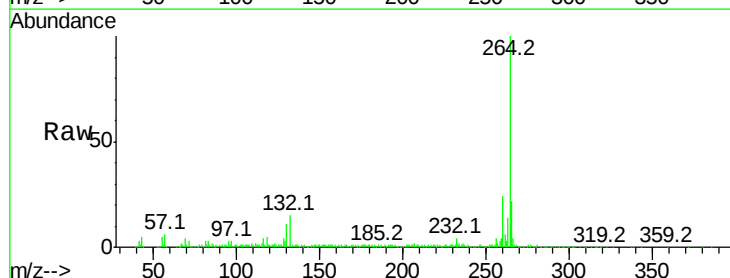
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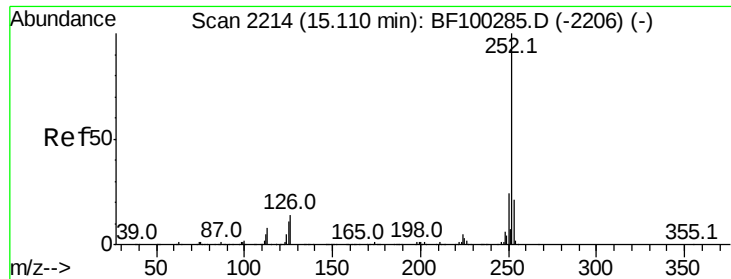
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2287
Delta R.T. 0.02 min
Lab File: BF100507.D
Acq: 13 Nov 2017 17:47

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	22.2	17.5	26.3





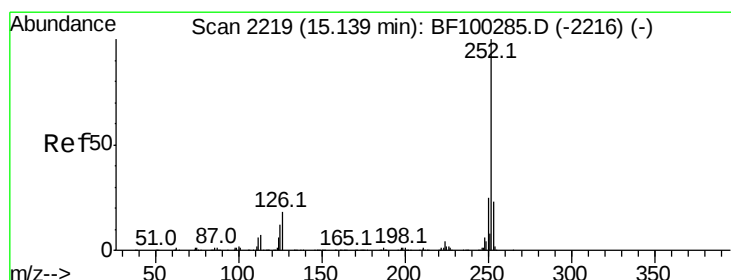
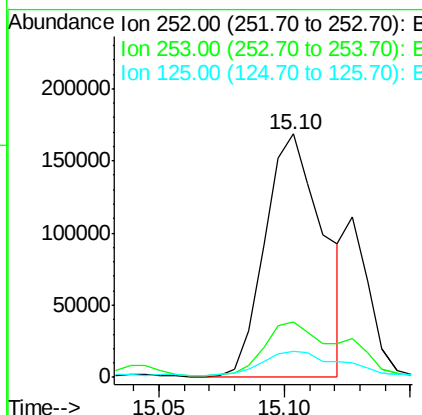
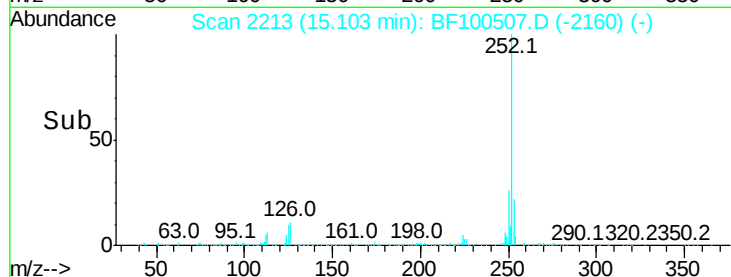
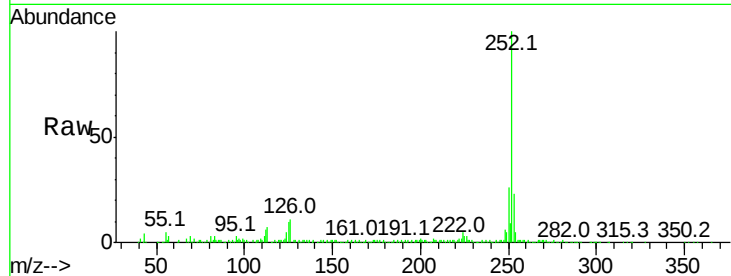
#87
Benzo(b)fluoranthene
Concen: 26.822 ng m
RT: 15.10 min Scan# 2213
Delta R.T. 0.01 min
Lab File: BF100507.D
Acq: 13 Nov 2017 17:47

Instrument :
BNA_F
ClientSampleId :
JC-02-110917-G

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.0	25.6
125	10.4	9.0	13.6

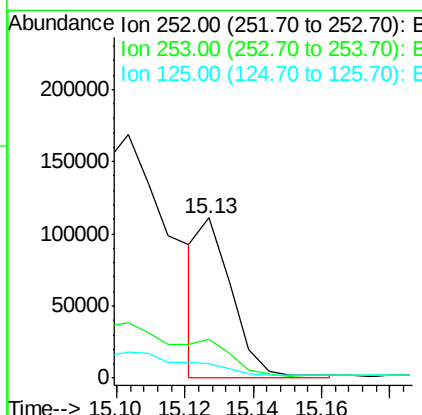
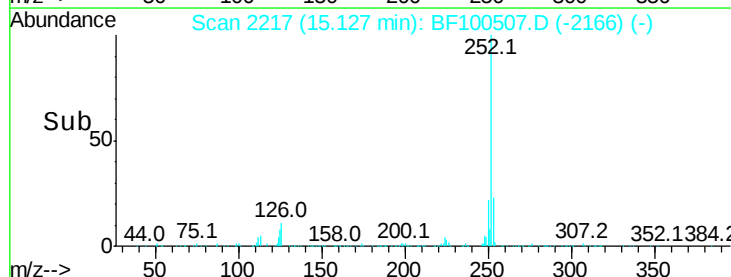
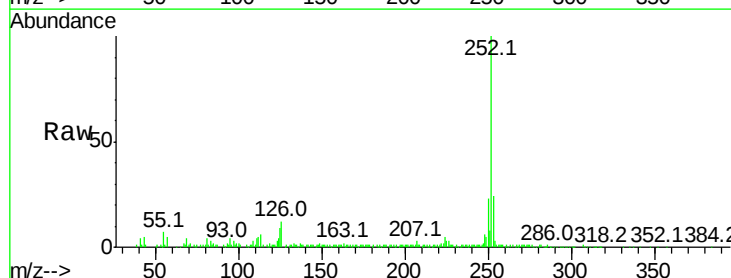
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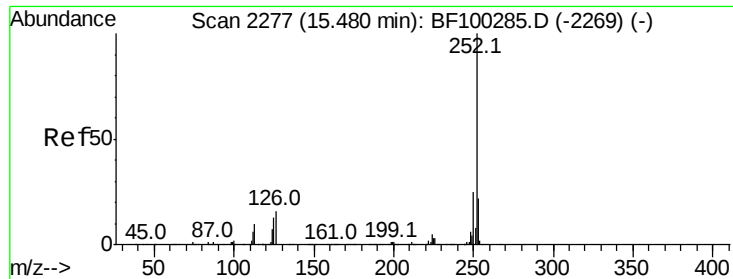
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#88
Benzo(k)fluoranthene
Concen: 7.637 ng m
RT: 15.13 min Scan# 2217
Delta R.T. -0.00 min
Lab File: BF100507.D
Acq: 13 Nov 2017 17:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.9	26.9
125	9.2	10.2	15.2#





#89

Benzo(a)pyrene

Concen: 20.465 ng

RT: 15.47 min Scan# 2276

Delta R.T. 0.01 min

Lab File: BF100507.D

Acq: 13 Nov 2017 17:47

Instrument :

BNA_F

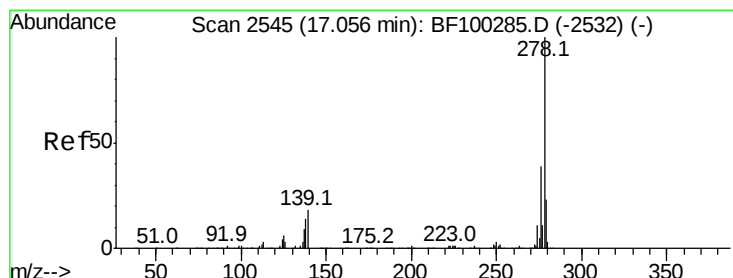
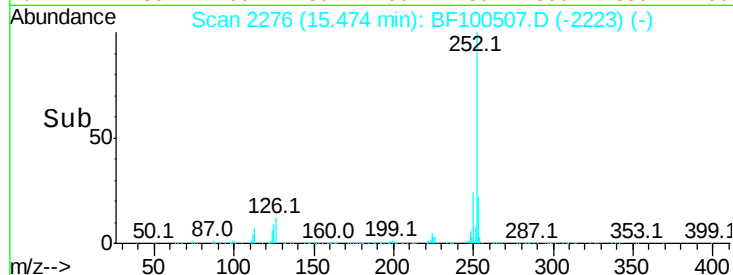
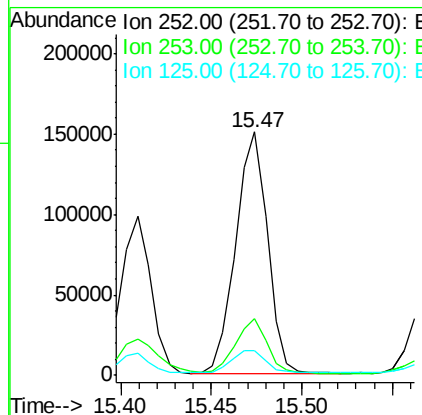
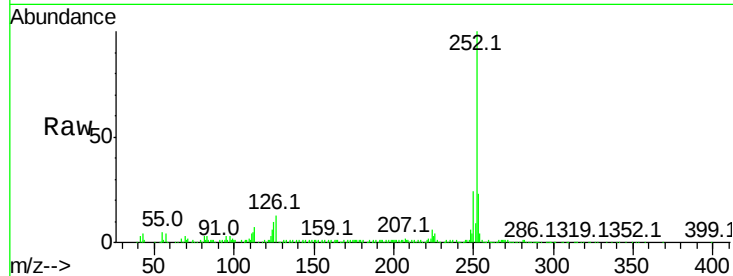
ClientSampleId :

JC-02-110917-G

Tot Ion:	252	Resp:	185484
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.1	25.7
125	10.2	9.8	14.6

Manual Integrations
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#90

Dibenzo(a,h)anthracene

Concen: 2.921 ng

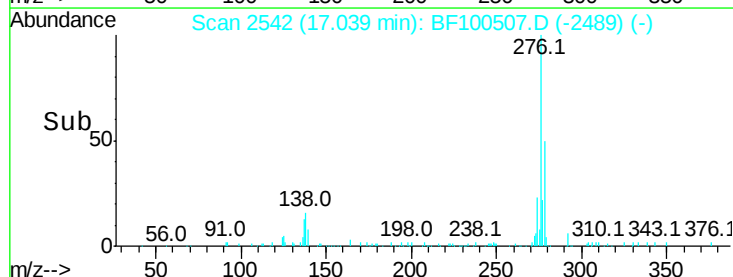
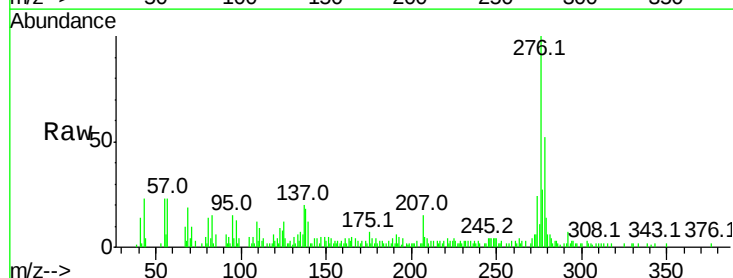
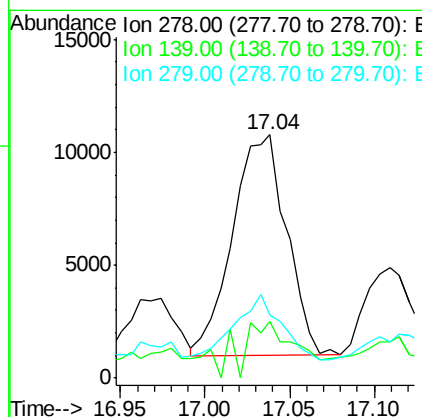
RT: 17.04 min Scan# 2542

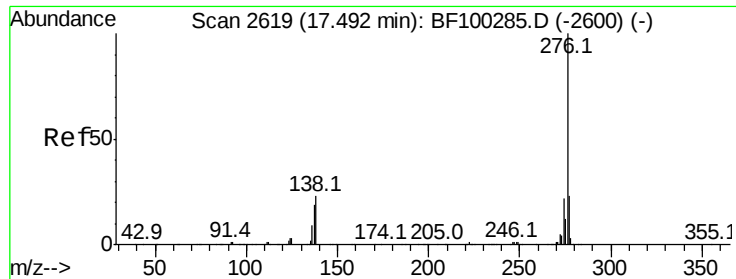
Delta R.T. 0.01 min

Lab File: BF100507.D

Acq: 13 Nov 2017 17:47

Tgt Ion:	278	Resp:	21654
Ion Ratio	Lower	Upper	
278	100		
139	23.1	15.9	23.9
279	25.9	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 10.004 ng
 RT: 17.47 min Scan# 2616
 Delta R.T. 0.01 min
 Lab File: BF100507.D
 Acq: 13 Nov 2017 17:47

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-110917-G

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.5	17.9	26.9
138	20.9	21.8	32.8#

Manual Integrations
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