

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF111317\
 Data File : BF100515.D
 Acq On : 13 Nov 2017 21:21
 Operator : SJ/JU
 Sample : I6301-03 10X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

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

Manual Integrations
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 11/14/2017 5:20:42 PM

Quant Time: Nov 14 04:06:50 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	76626	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	282131	20.00	ng	0.00
38) Acenaphthene-d10	9.93	164	111439	20.00	ng	0.00
63) Phenanthrene-d10	11.42	188	172535	20.00	ng	0.00
75) Chrysene-d12	14.06	240	150906	20.00	ng	0.00
86) Perylene-d12	15.54	264	110495	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	56043	11.72	ng	0.00
7) Phenol-d6	6.50	99	68256	11.58	ng	-0.01
23) Nitrobenzene-d5	7.45	82	37265	8.73	ng	-0.01
41) 2,4,6-Tribromophenol	10.72	330	12551	11.05	ng	0.00
44) 2-Fluorobiphenyl	9.25	172	79030	10.80	ng	0.00
78) Terphenyl-d14	13.00	244	53559	8.15	ng	0.00

Target Compounds				Qvalue		
31) Naphthalene	8.20	128	385607	28.377	ng	99
37) 2-Methylnaphthalene	8.89	142	125659	13.929	ng	99
45) 1,1'-Biphenyl	9.35	154	26124	2.710	ng	95
48) Acenaphthylene	9.79	152	26182	2.259	ng	99
51) Acenaphthene	9.96	154	109933	15.599	ng	97
54) Dibenzofuran	10.13	168	164062	16.610	ng	98
57) Fluorene	10.47	166	207507	28.677	ng	99
70) Phenanthrene	11.45	178	922505	101.550	ng	99
71) Anthracene	11.49	178	289782	31.442	ng	98
72) Carbazole	11.64	167	77166	9.074	ng	97
74) Fluoranthene	12.63	202	827786	85.981	ng	96
77) Pyrene	12.86	202	688842	64.036	ng	99
80) Benzo(a)anthracene	14.04	228	336191	36.995	ng	98
82) Chrysene	14.09	228	265186	30.135	ng	97
85) Indeno(1,2,3-cd)pyrene	17.03	276	78835	11.076	ng	# 87
87) Benzo(b)fluoranthene	15.10	252	241591m	36.905	ng	
88) Benzo(k)fluoranthene	15.13	252	78456m	12.684	ng	
89) Benzo(a)pyrene	15.47	252	164605	28.363	ng	97
90) Dibenzo(a,h)anthracene	17.03	278	19942	4.202	ng	# 70
91) Benzo(a,h,i)perylene	17.48	276	70487m	15.172	ng	

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

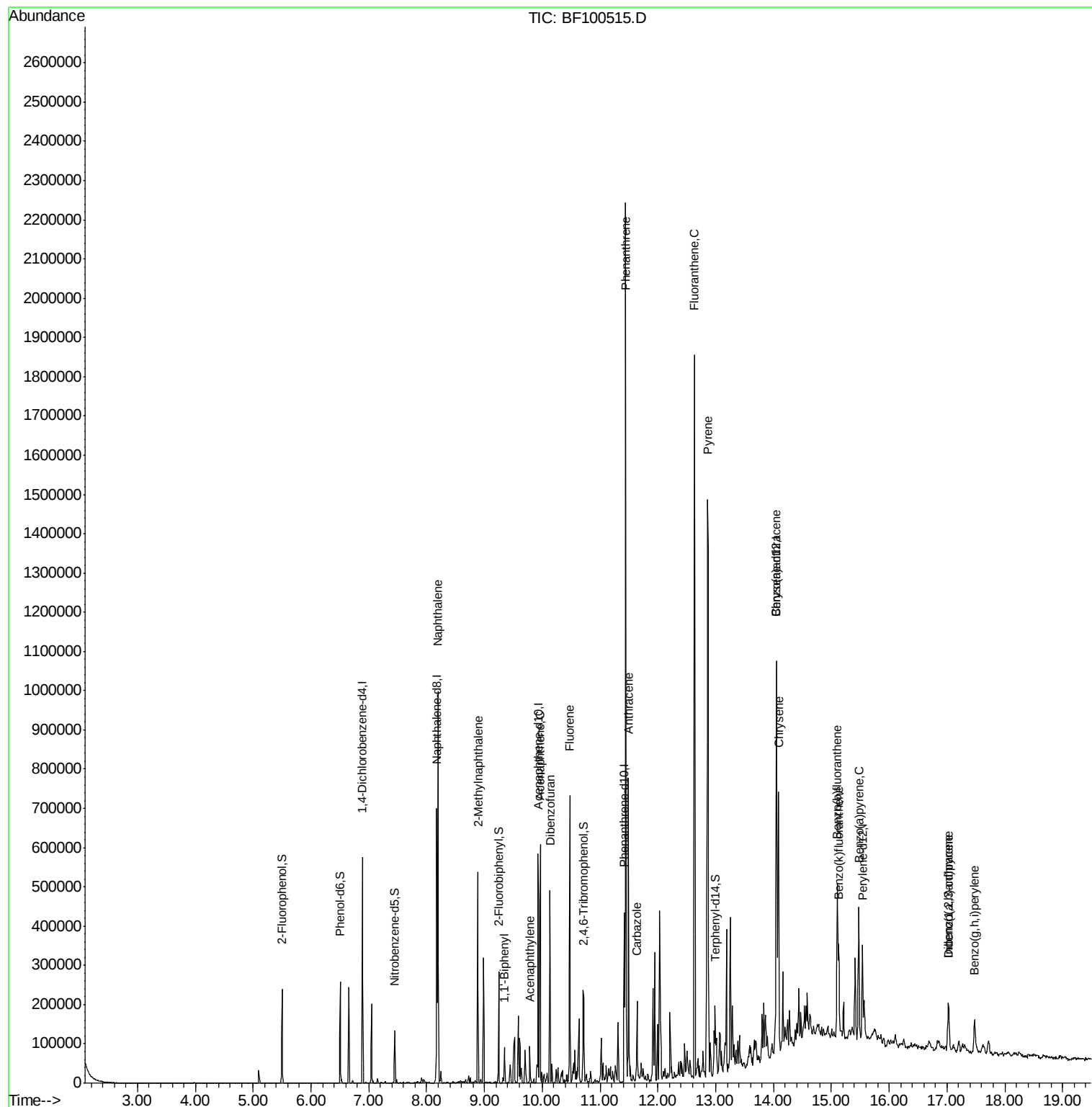
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF111317\
Data File : BF100515.D
Acq On : 13 Nov 2017 21:21
Operator : SJ/JU
Sample : I6301-03 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

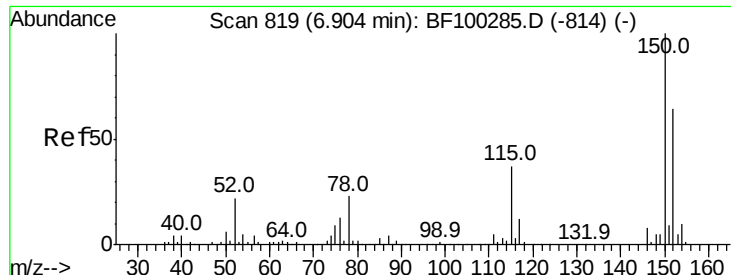
Instrument :
BNA_F
ClientSampleId :
JC-02-110917-B

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Quant Time: Nov 14 04:06:50 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





#1

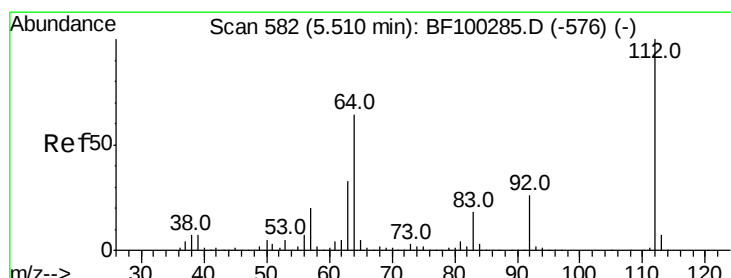
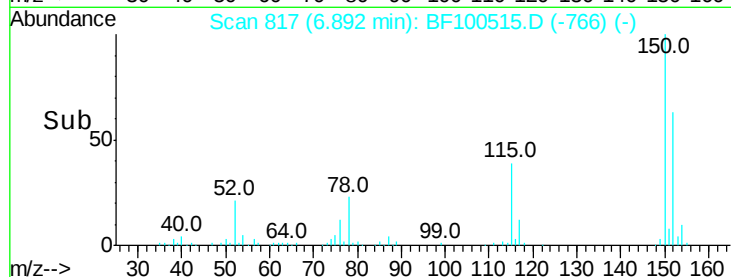
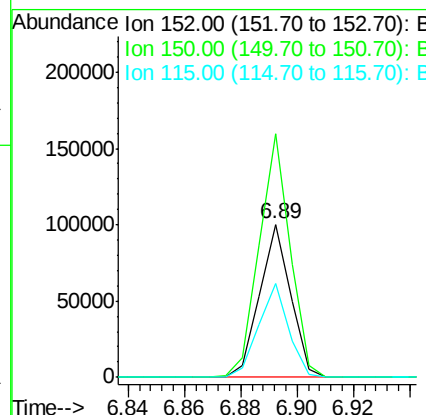
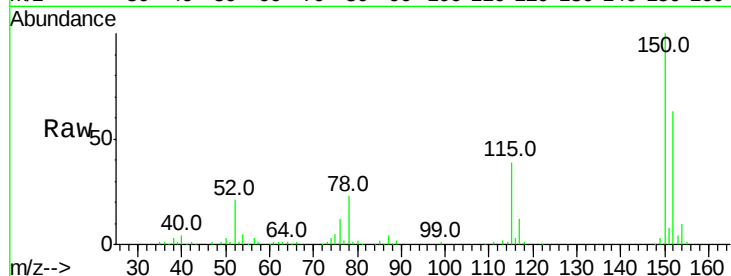
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. 0.00 min
Lab File: BF100515.D
Acq: 13 Nov 2017 21:21

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.2	124.6	186.8
115	61.3	50.1	75.1

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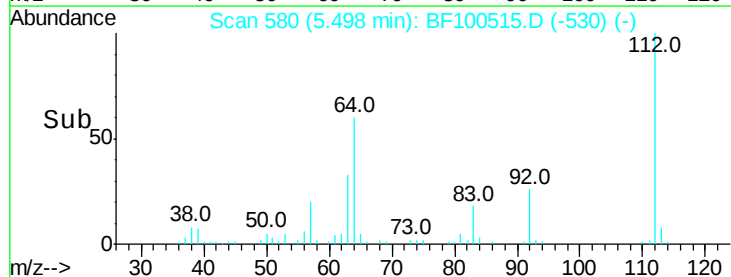
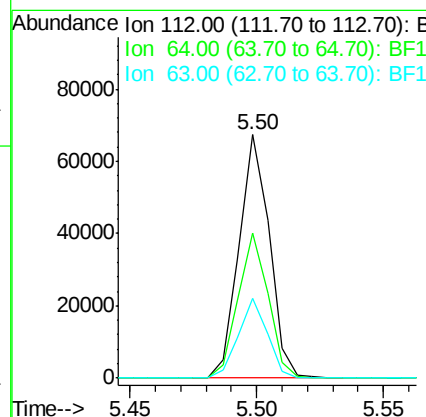
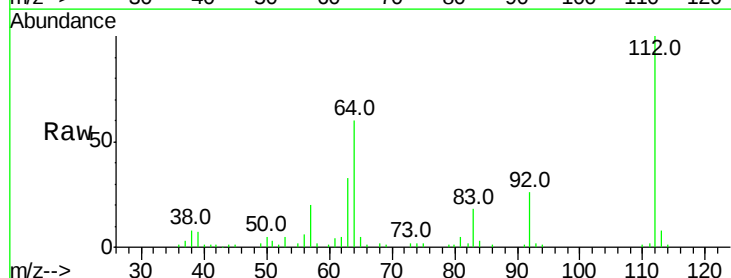
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#5

2-Fluorophenol
Concen: 11.724 ng
RT: 5.50 min Scan# 580
Delta R.T. -0.01 min
Lab File: BF100515.D
Acq: 13 Nov 2017 21:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.8	47.9	71.9
63	32.8	23.7	35.5





#7

Phenol-d6

Concen: 11.579 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF100515.D

Acq: 13 Nov 2017 21:21

Instrument :

BNA_F

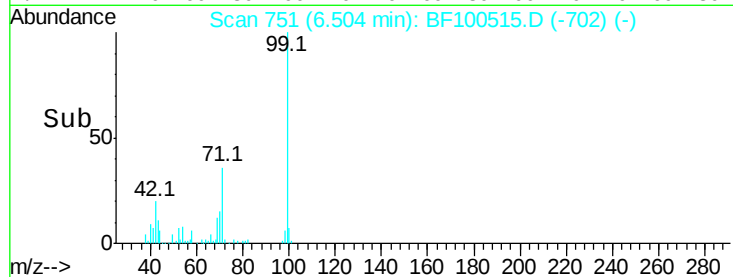
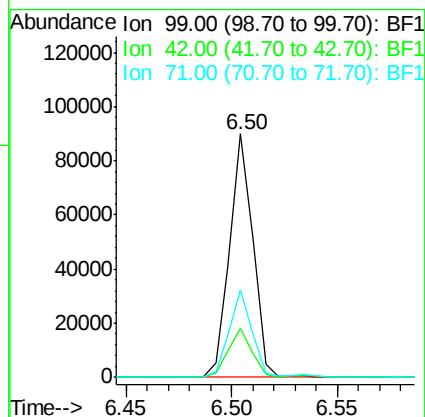
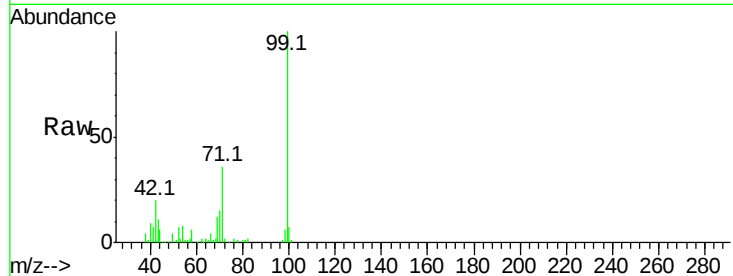
ClientSampleId :

JC-02-110917-B

Tot Ion	99	Resp	68256
Ion	Ratio	Lower	Upper
99	100		
42	20.3	14.5	21.7
71	36.0	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

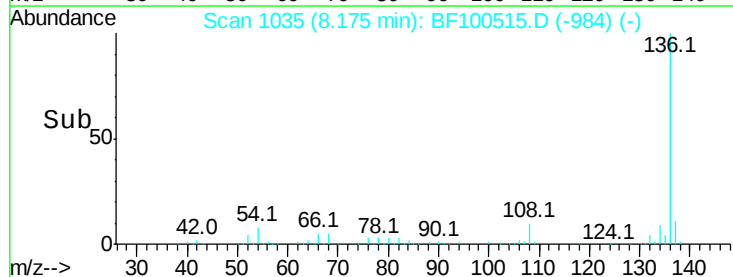
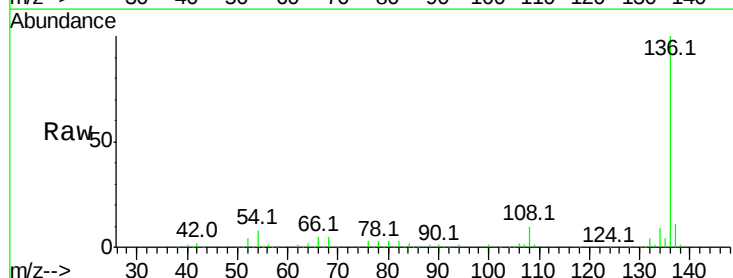
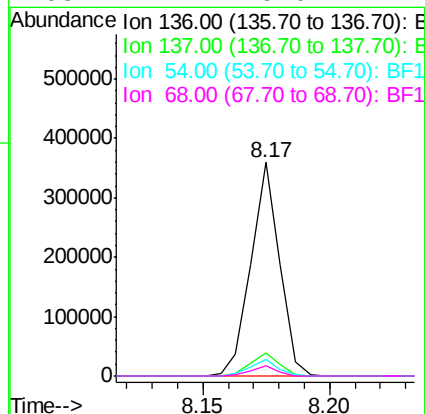
RT: 8.17 min Scan# 1035

Delta R.T. 0.00 min

Lab File: BF100515.D

Acq: 13 Nov 2017 21:21

Tgt Ion	136	Resp	282131
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	7.6	6.6	9.8
68	4.7	5.0	7.4#





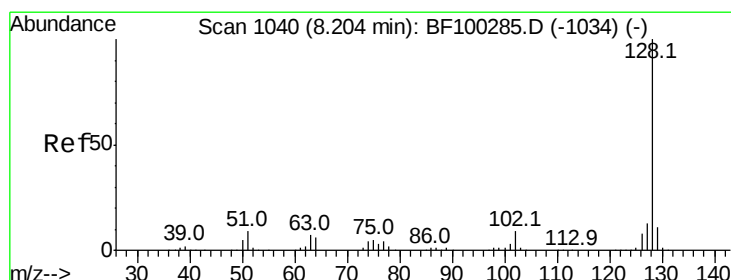
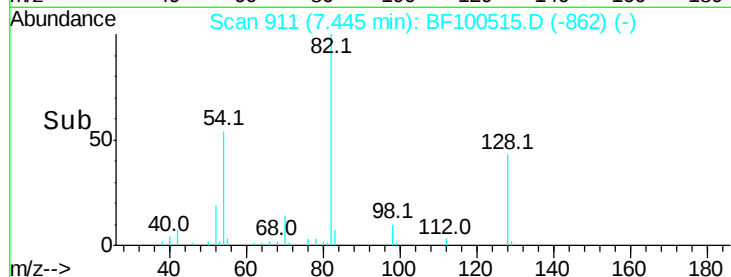
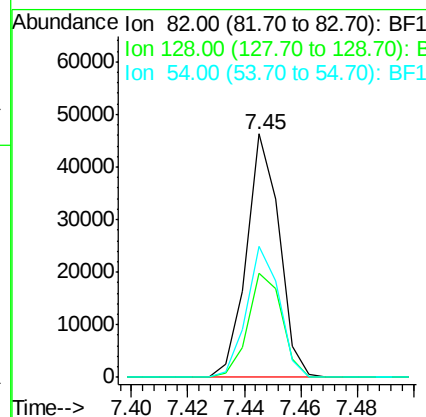
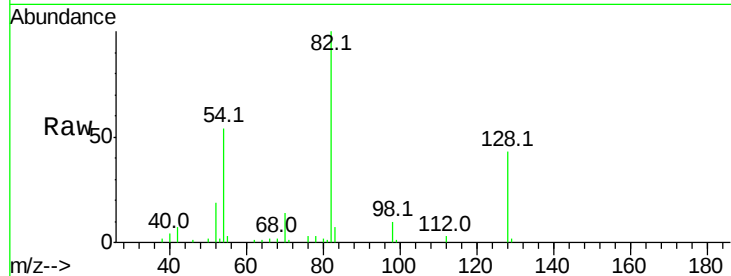
#23
Nitrobenzene-d5
Concen: 8.733 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF100515.D
Acq: 13 Nov 2017 21:21

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

Tot Ion	Ratio	Lower	Upper
82	100		
128	42.9	36.1	54.1
54	53.7	41.4	62.2

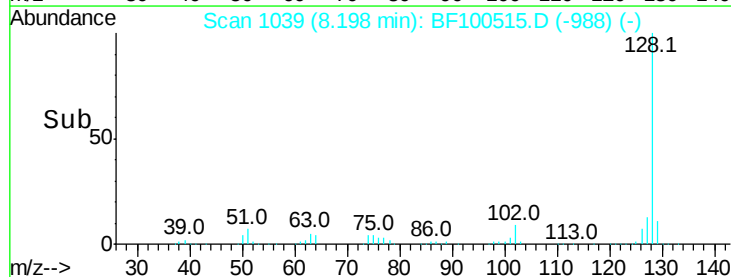
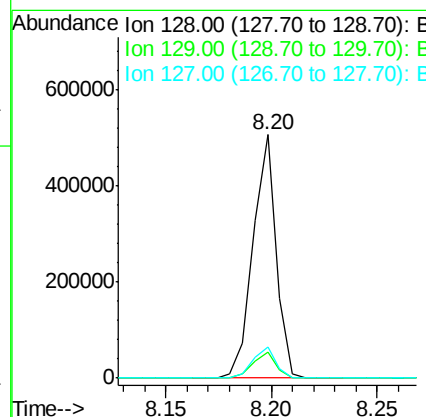
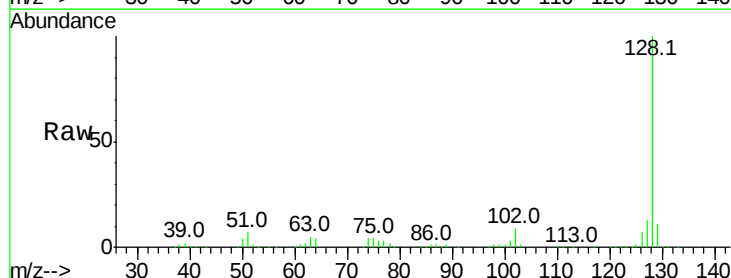
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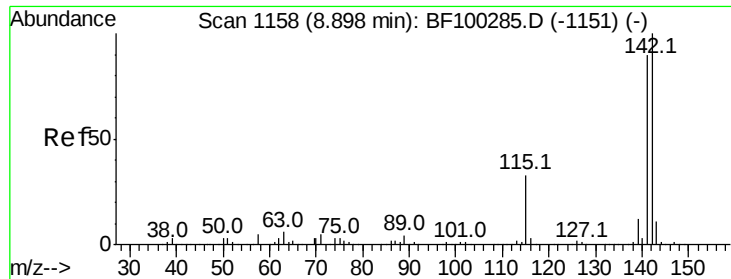
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#31
Naphthalene
Concen: 28.377 ng
RT: 8.20 min Scan# 1039
Delta R.T. 0.00 min
Lab File: BF100515.D
Acq: 13 Nov 2017 21:21

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.8	13.2
127	13.1	10.9	16.3





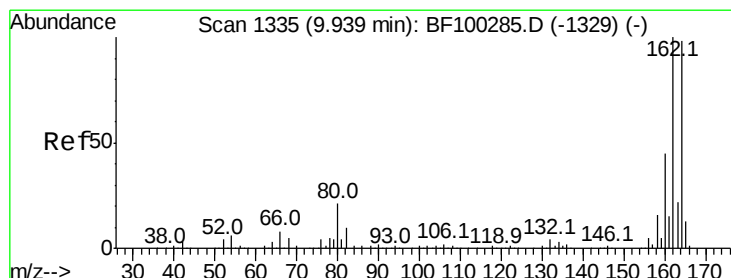
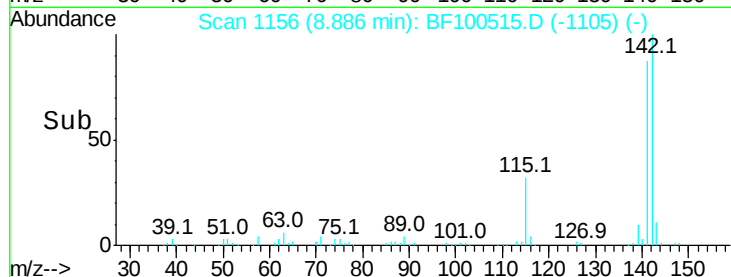
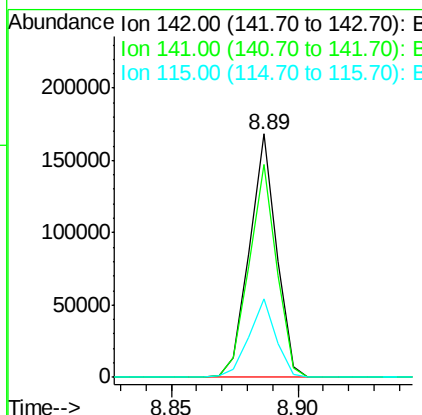
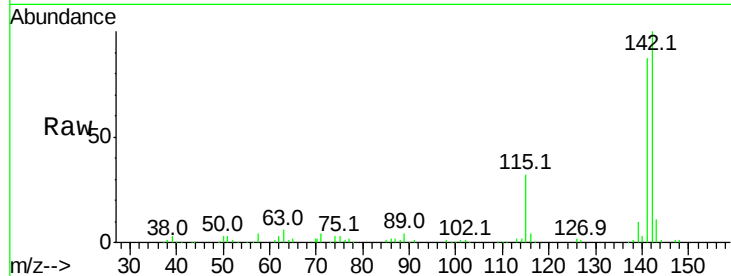
#37
2-Methylnaphthalene
Concen: 13.929 ng
RT: 8.89 min Scan# 1156
Delta R.T. 0.00 min
Lab File: BF100515.D
Acq: 13 Nov 2017 21:21

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

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.4	70.8	106.2
115	32.0	26.1	39.1

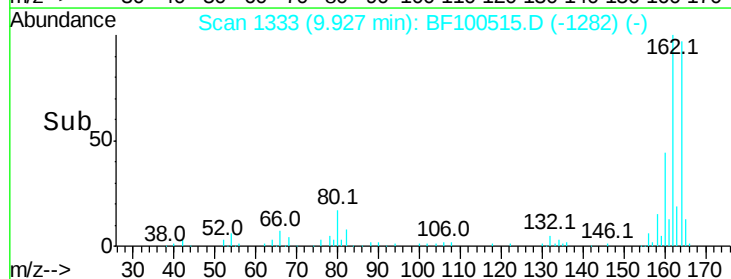
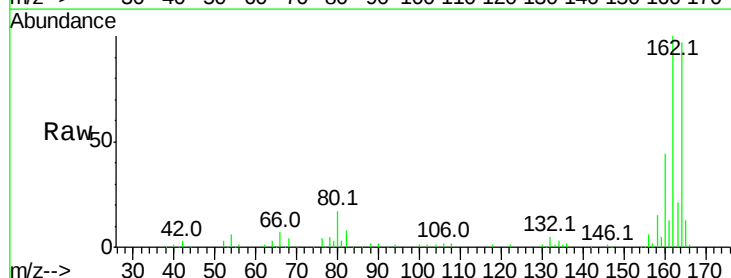
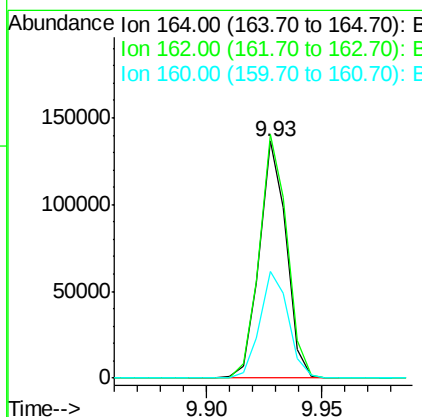
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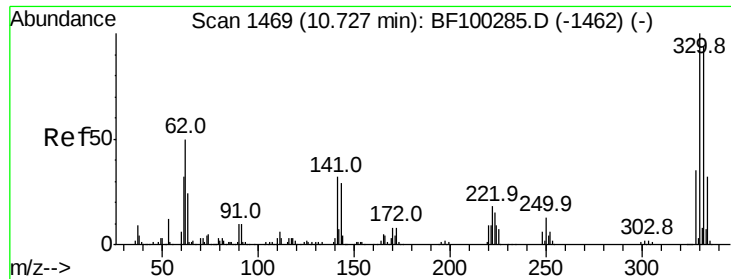
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1333
Delta R.T. 0.00 min
Lab File: BF100515.D
Acq: 13 Nov 2017 21:21

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.8	86.1	129.1
160	44.9	38.3	57.5





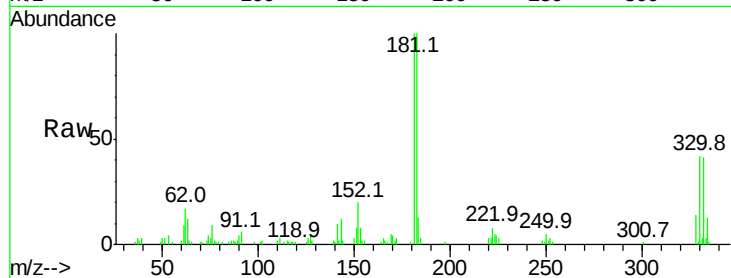
#41
 2,4,6-Tribromophenol
 Concen: 11.053 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: BF100515.D
 Acq: 13 Nov 2017 21:21

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

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.0	115.6
141	32.1	29.9	44.9

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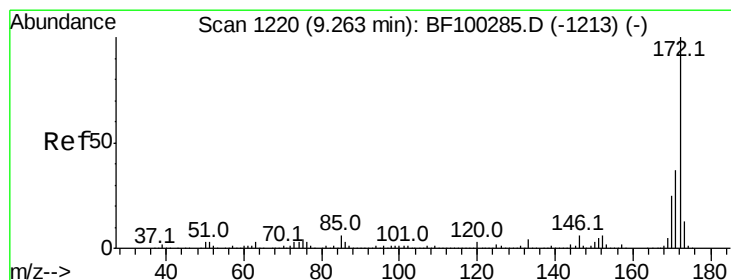
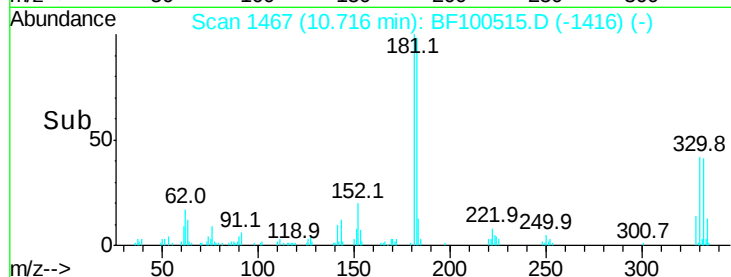
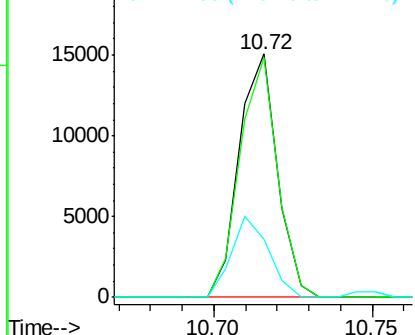


Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 10.799 ng
 RT: 9.25 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: BF100515.D
 Acq: 13 Nov 2017 21:21

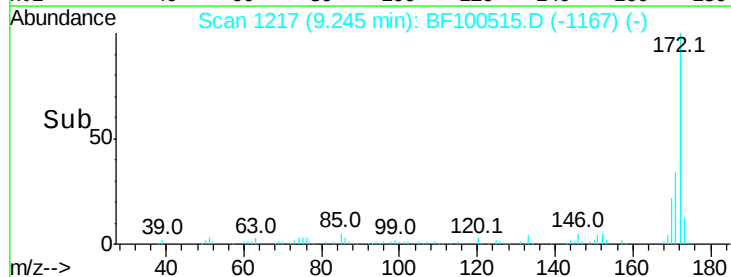
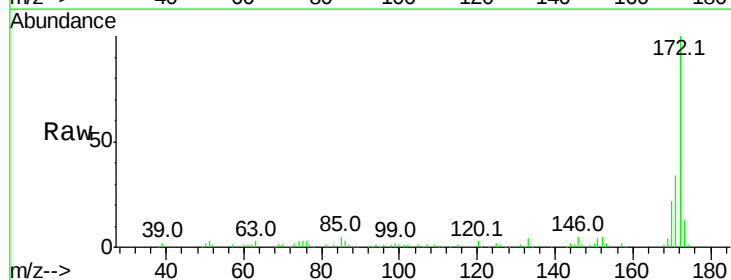
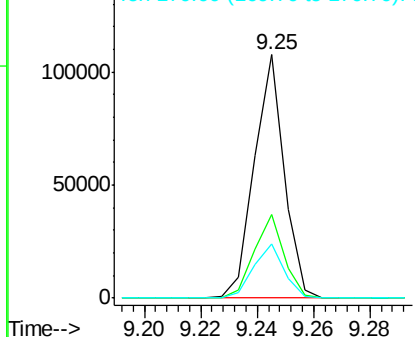
Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.3	29.7	44.5
170	22.4	19.6	29.4

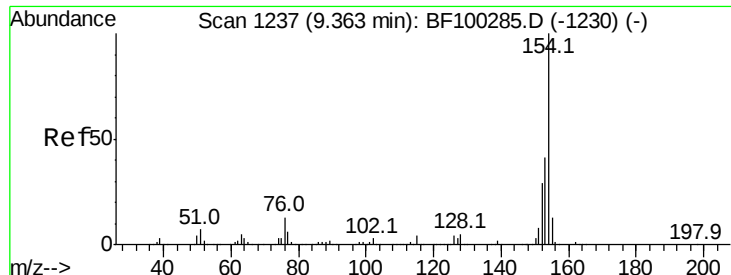
Abundance

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





#45

1,1'-Biphenyl

Concen: 2.710 ng

RT: 9.35 min Scan# 1234

Delta R.T. -0.01 min

Lab File: BF100515.D

Acq: 13 Nov 2017 21:21

Instrument :

BNA_F

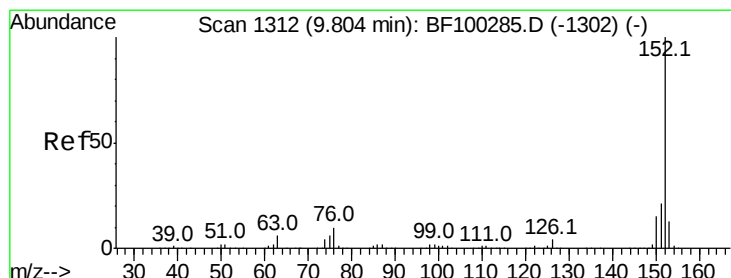
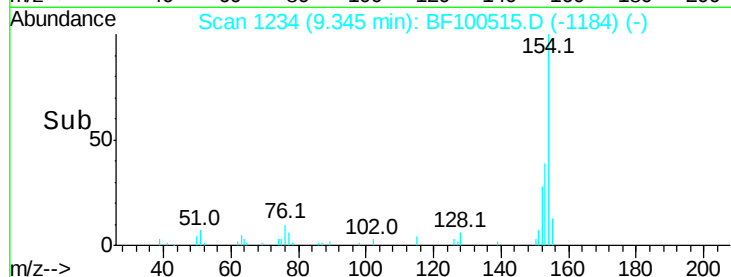
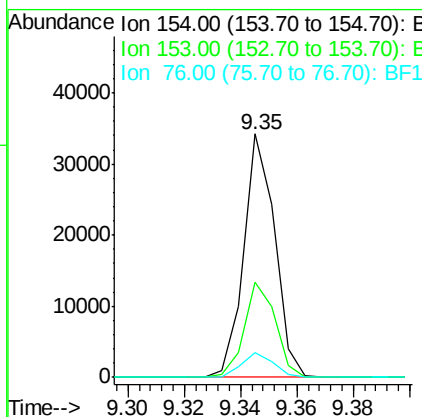
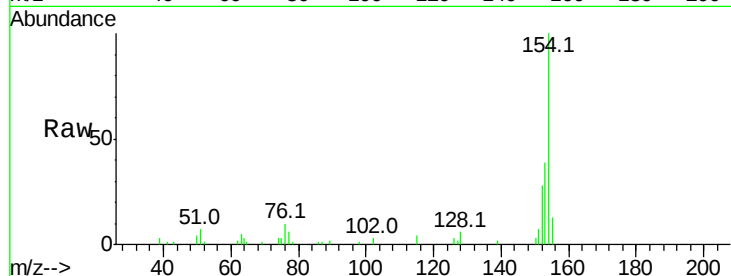
ClientSampleId :

JC-02-110917-B

Tot Ion:	154	Resp:	26124
Ion Ratio	Lower	Upper	
154	100		
153	39.2	21.3	61.3
76	10.2	0.0	34.0

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#48

Acenaphthylene

Concen: 2.259 ng

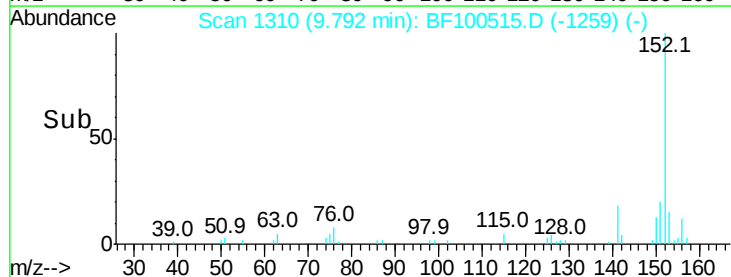
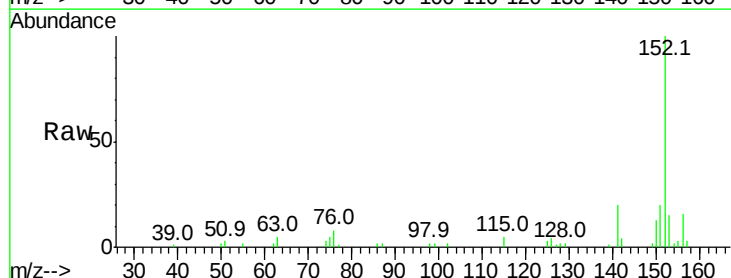
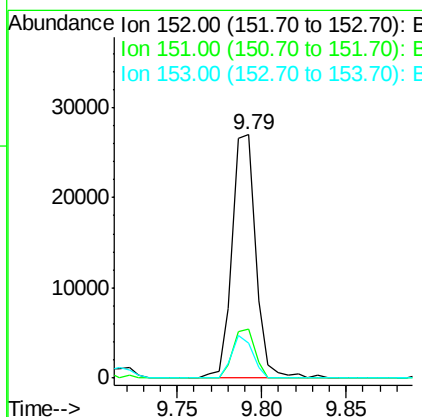
RT: 9.79 min Scan# 1310

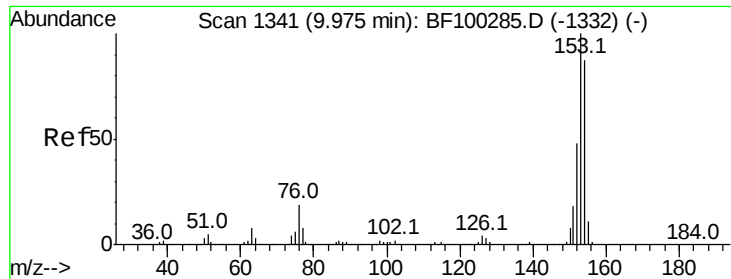
Delta R.T. 0.00 min

Lab File: BF100515.D

Acq: 13 Nov 2017 21:21

Tgt Ion:	152	Resp:	26182
Ion Ratio	Lower	Upper	
152	100		
151	20.2	16.3	24.5
153	14.6	10.7	16.1





#51

Acenaphthene

Concen: 15.599 ng

RT: 9.96 min Scan# 1339

Delta R.T. 0.00 min

Lab File: BF100515.D

Acq: 13 Nov 2017 21:21

Instrument :

BNA_F

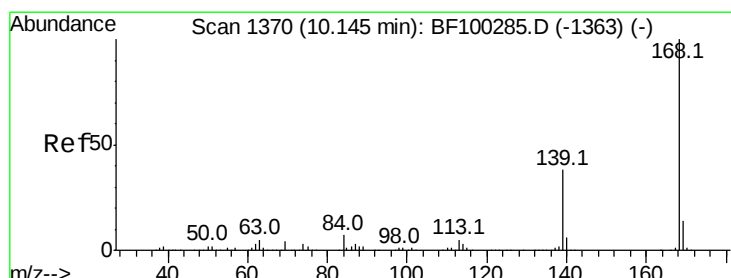
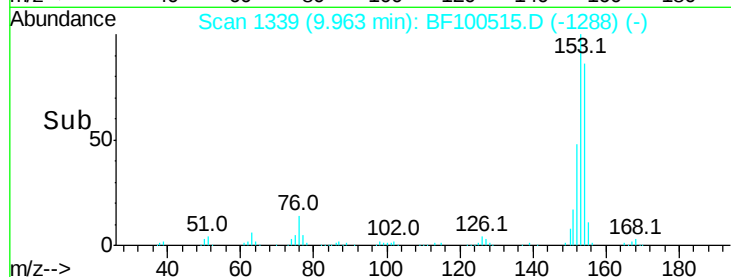
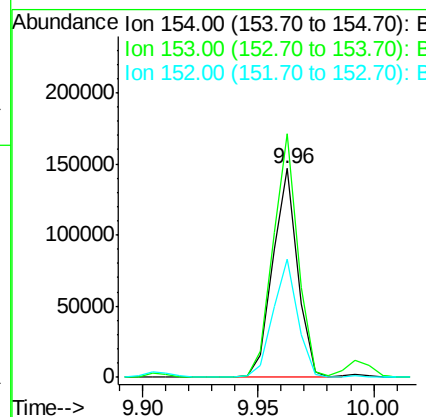
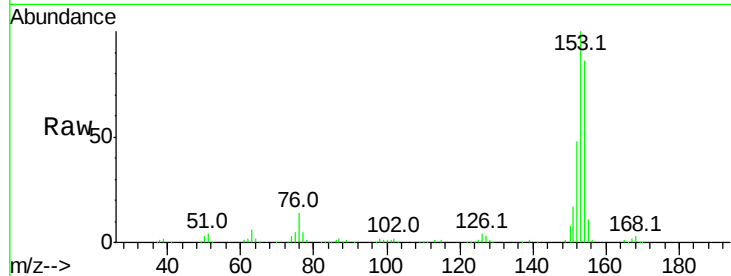
ClientSampleId :

JC-02-110917-B

Tot Ion:	154	Resp:	109933
Ion Ratio	Lower	Upper	
154	100		
153	116.8	91.2	136.8
152	56.6	43.8	65.8

Manual Integrations
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#54

Dibenzofuran

Concen: 16.610 ng

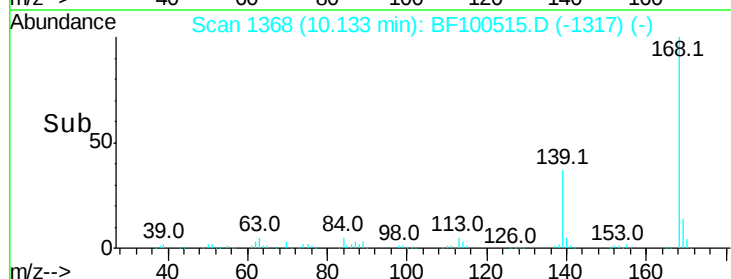
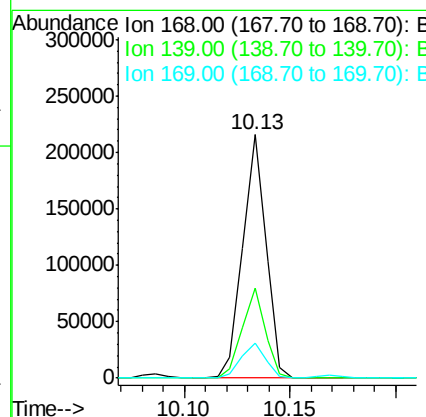
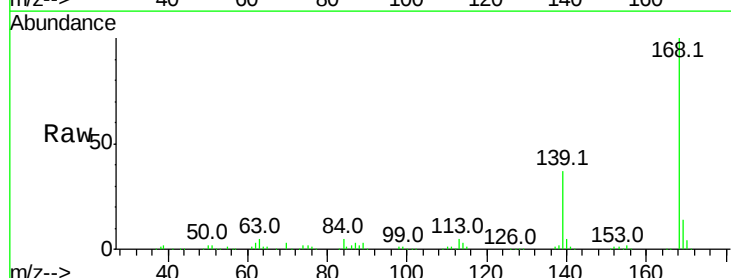
RT: 10.13 min Scan# 1368

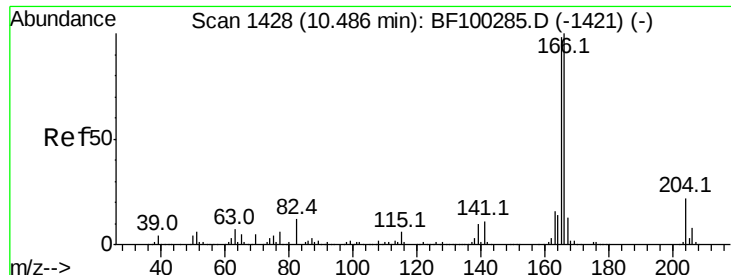
Delta R.T. 0.00 min

Lab File: BF100515.D

Acq: 13 Nov 2017 21:21

Tgt Ion:	168	Resp:	164062
Ion Ratio	Lower	Upper	
168	100		
139	36.8	30.1	45.1
169	14.4	10.9	16.3





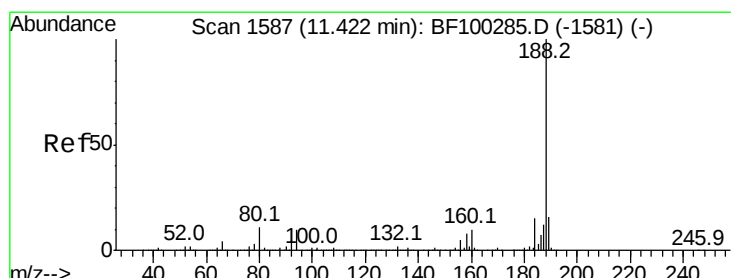
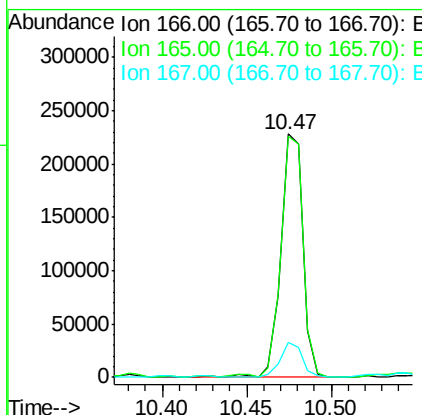
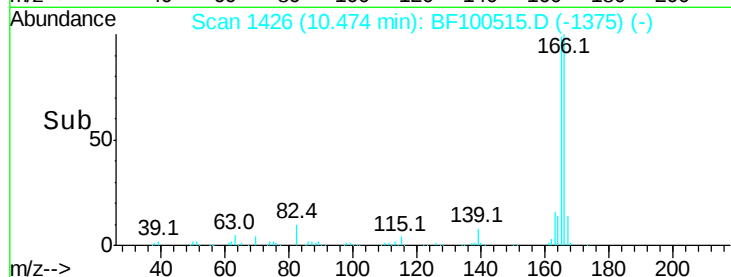
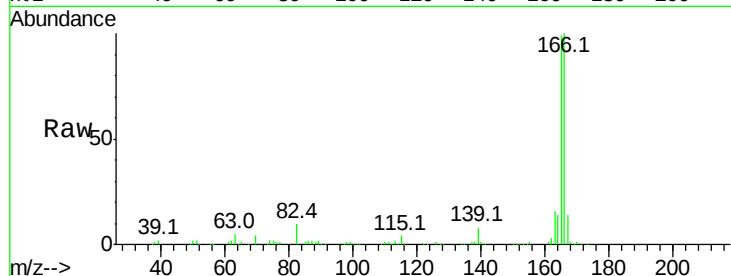
#57
Fluorene
 Concen: 28.677 ng
 RT: 10.47 min Scan# 1426
 Delta R.T. 0.00 min
 Lab File: BF100515.D
 Acq: 13 Nov 2017 21:21

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

Tot Ion:	166	Resp:	207507
Ion Ratio	Lower	Upper	
166	100		
165	99.0	79.8	119.8
167	14.2	10.6	16.0

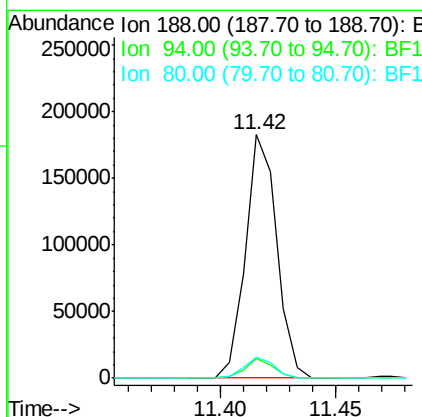
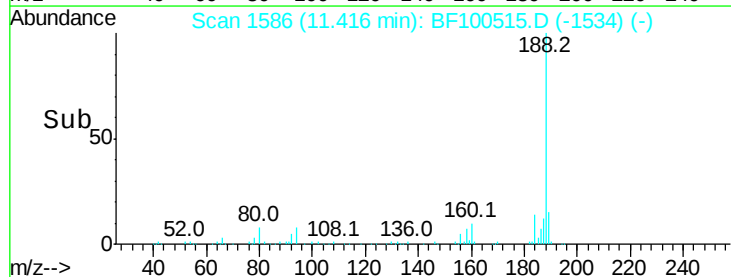
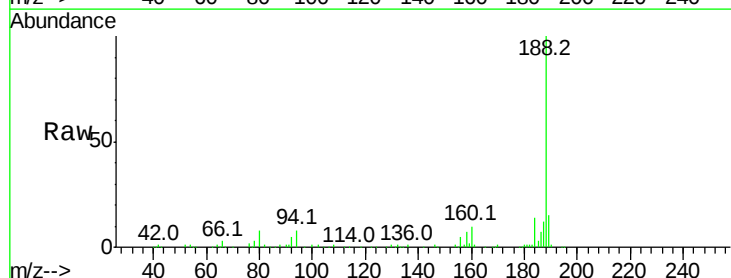
Manual Integrations
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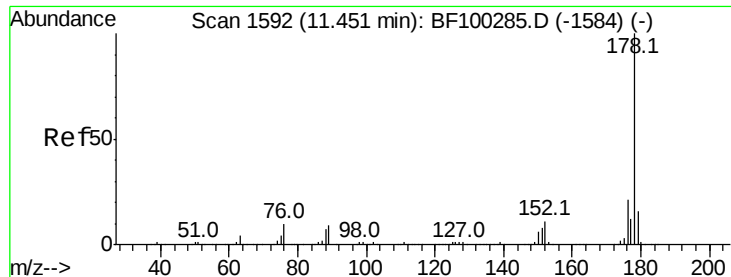
SOHIL
 11/14/2017 5:20:42 PM



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. 0.01 min
 Lab File: BF100515.D
 Acq: 13 Nov 2017 21:21

Tgt Ion:	188	Resp:	172535
Ion Ratio	Lower	Upper	
188	100		
94	8.0	8.5	12.7#
80	8.5	9.2	13.8#





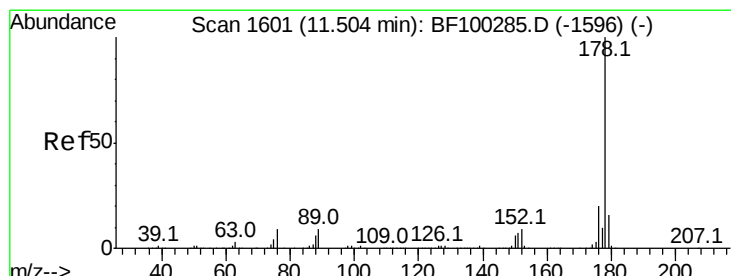
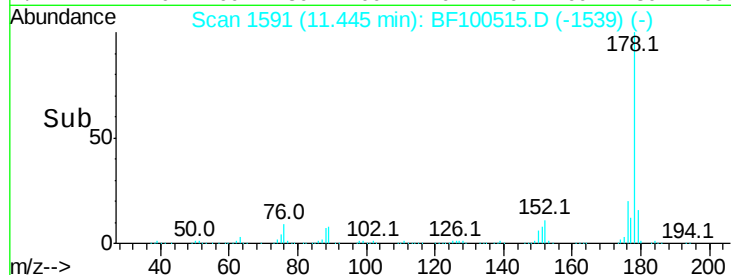
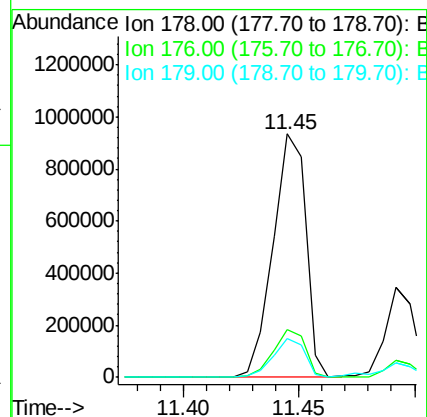
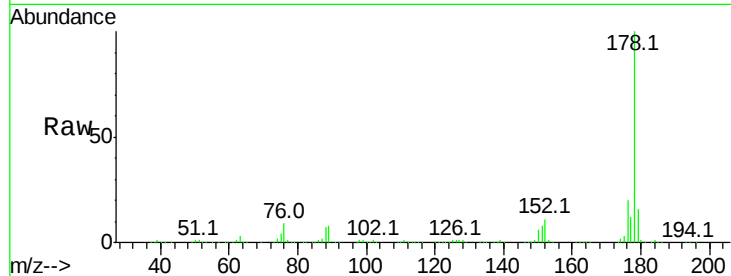
#70
Phenanthrene
Concen: 101.550 ng
RT: 11.45 min Scan# 1591
Delta R.T. 0.01 min
Lab File: BF100515.D
Acq: 13 Nov 2017 21:21

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

Tot Ion	Ratio	Resp	Lower	Upper
178	100	922505		
176	19.9	15.8	23.8	
179	15.7	13.0	19.6	

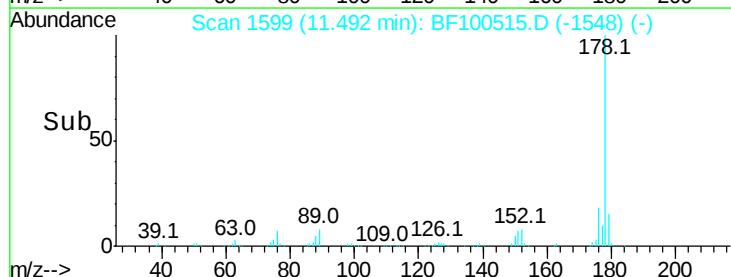
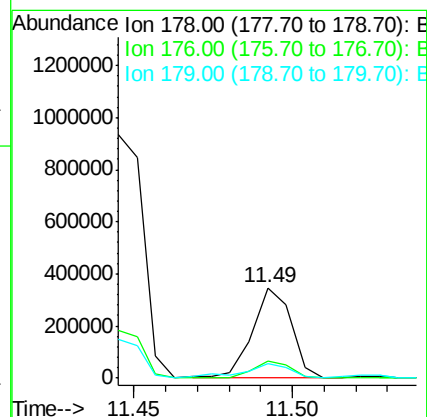
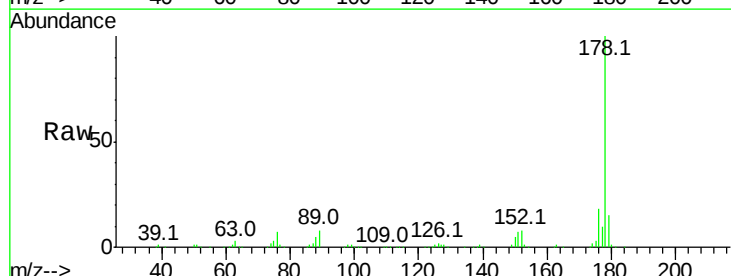
Manual Integrations
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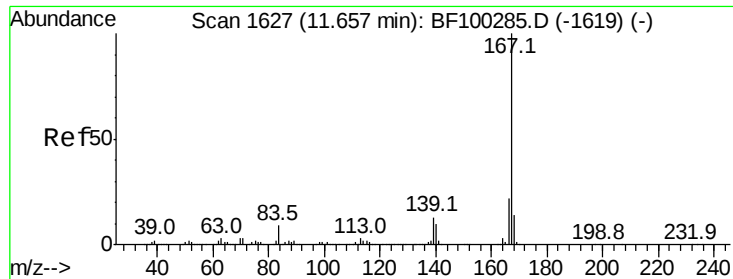
SOHIL
11/14/2017 5:20:42 PM



#71
Anthracene
Concen: 31.442 ng
RT: 11.49 min Scan# 1599
Delta R.T. 0.00 min
Lab File: BF100515.D
Acq: 13 Nov 2017 21:21

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	289782		
176	18.2	15.4	23.2	
179	15.4	12.6	19.0	





#72

Carbazole

Concen: 9.074 ng

RT: 11.64 min Scan# 1625

Delta R.T. 0.00 min

Lab File: BF100515.D

Acq: 13 Nov 2017 21:21

Instrument :

BNA_F

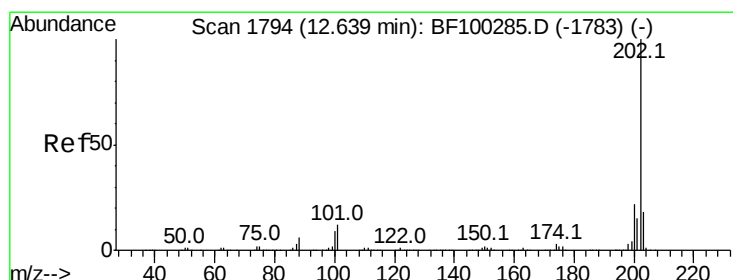
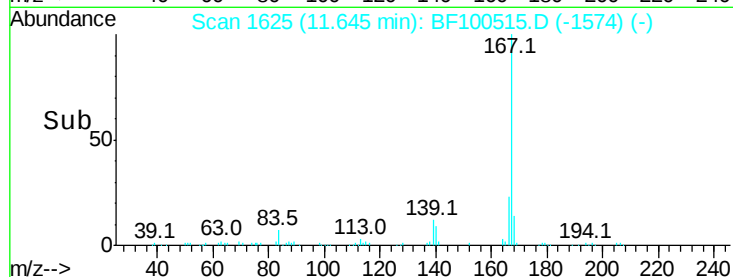
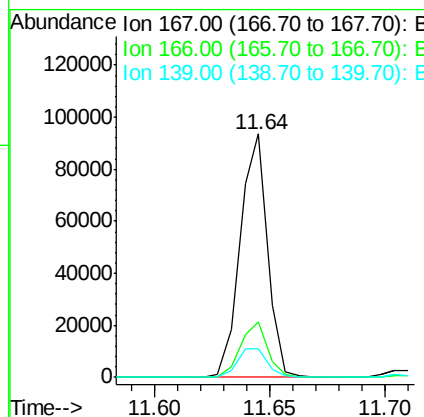
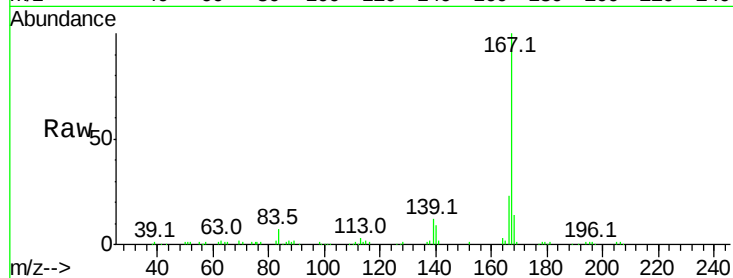
ClientSampleId :

JC-02-110917-B

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.6	17.6	26.4
139	11.7	10.9	16.3

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#74

Fluoranthene

Concen: 85.981 ng

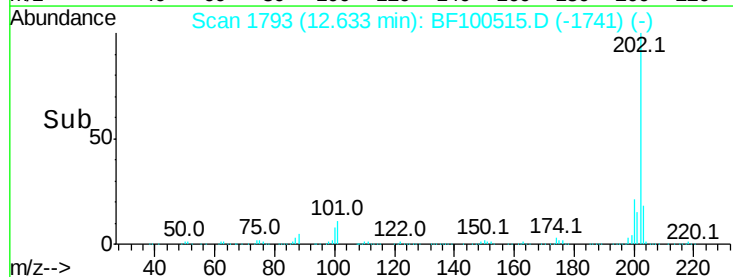
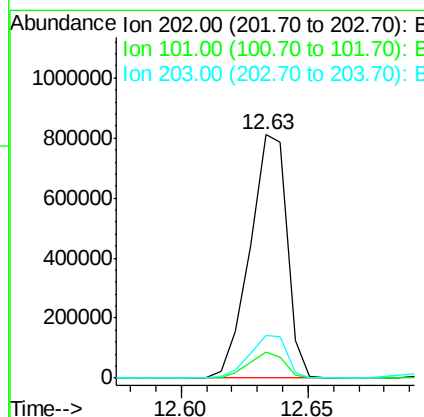
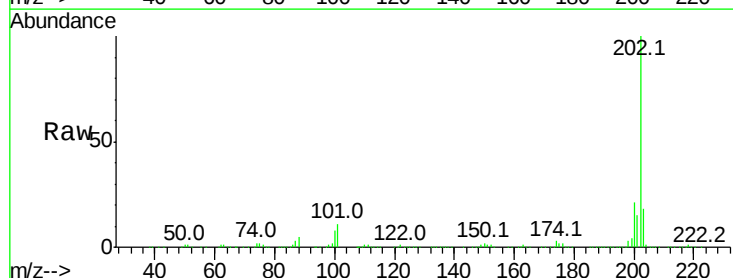
RT: 12.63 min Scan# 1793

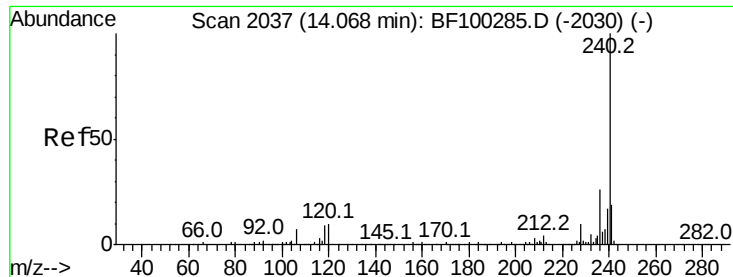
Delta R.T. 0.01 min

Lab File: BF100515.D

Acq: 13 Nov 2017 21:21

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	34.1
203	17.7	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2035

Delta R.T. 0.01 min

Lab File: BF100515.D

Acq: 13 Nov 2017 21:21

Instrument :

BNA_F

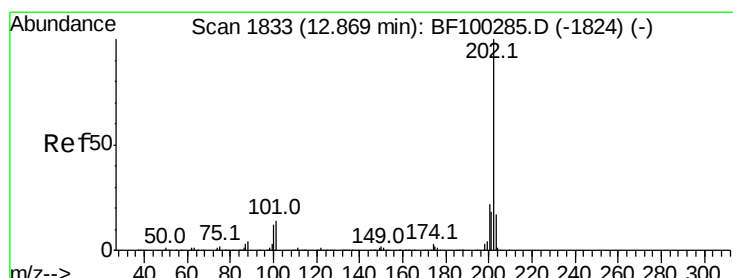
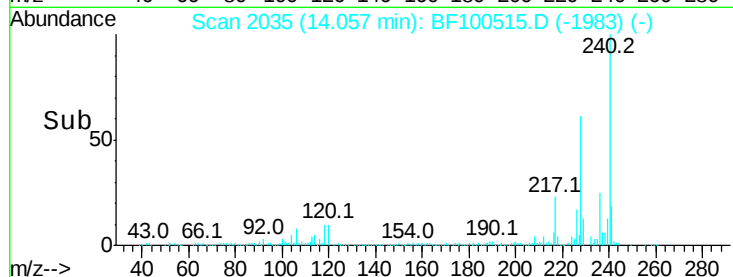
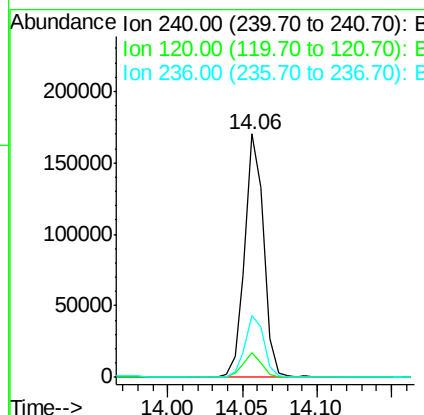
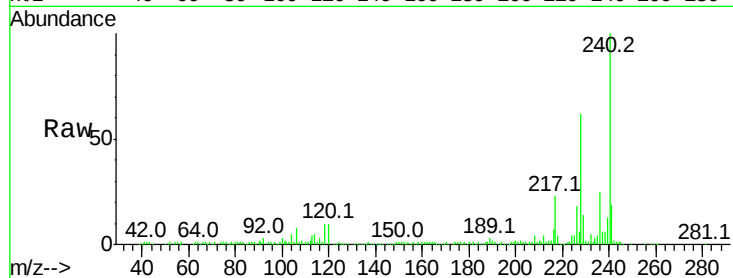
ClientSampleId :

JC-02-110917-B

Tot Ion:	240	Resp:	150906
Ion Ratio	Lower	Upper	
240	100		
120	10.1	9.5	14.3
236	25.2	20.7	31.1

Manual Integrations
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#77

Pyrene

Concen: 64.036 ng

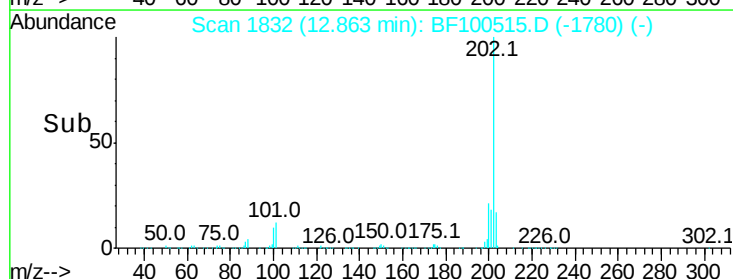
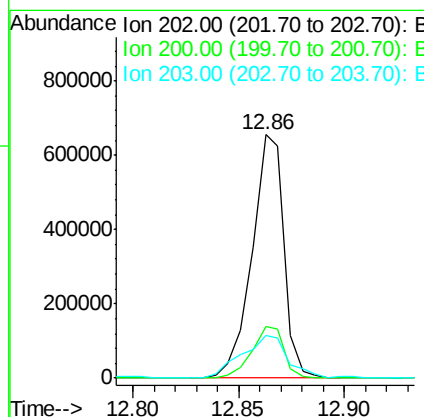
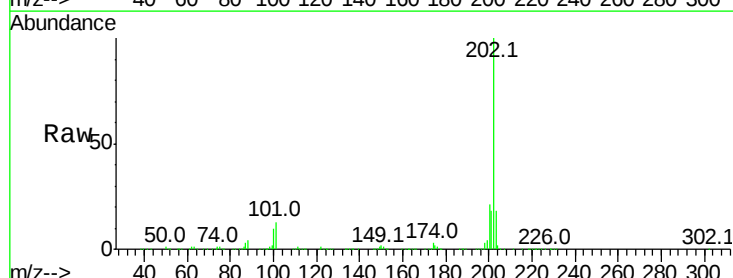
RT: 12.86 min Scan# 1832

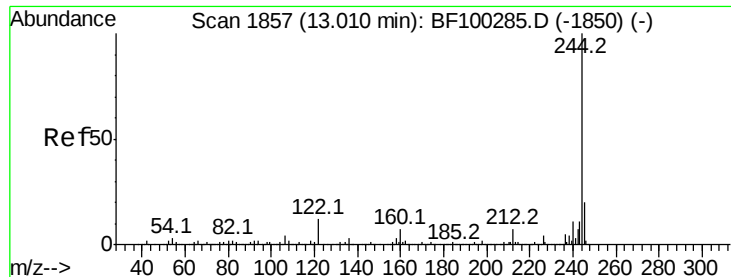
Delta R.T. 0.01 min

Lab File: BF100515.D

Acq: 13 Nov 2017 21:21

Tgt Ion:	202	Resp:	688842
Ion Ratio	Lower	Upper	
202	100		
200	21.4	17.4	26.2
203	17.7	14.3	21.5





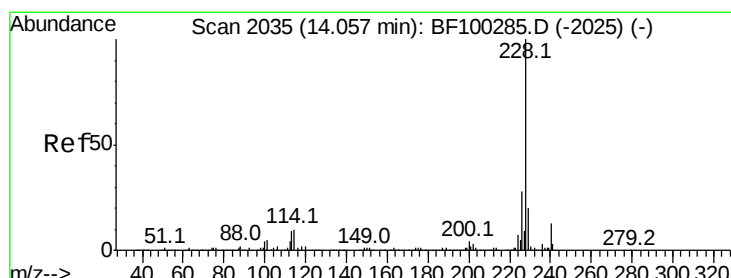
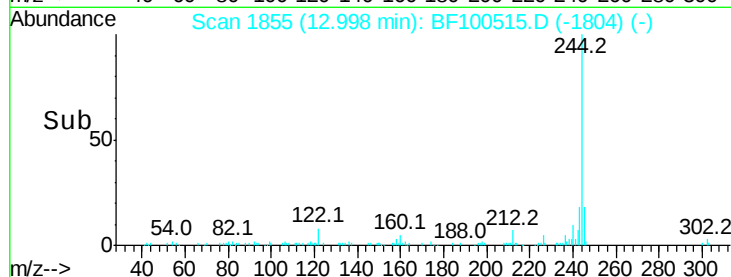
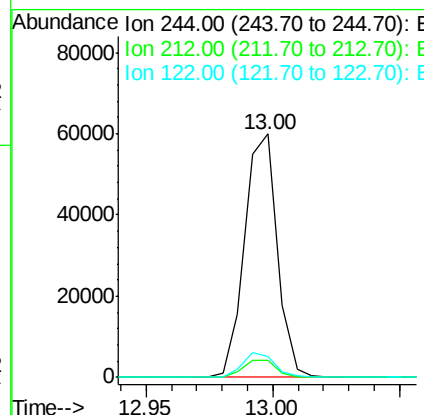
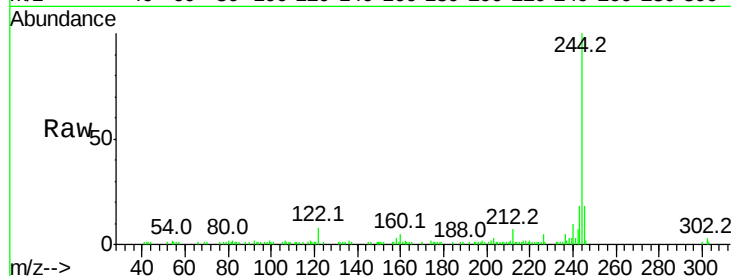
#78
 Terphenyl-d14
 Concen: 8.155 ng
 RT: 13.00 min Scan# 1855
 Delta R.T. 0.00 min
 Lab File: BF100515.D
 Acq: 13 Nov 2017 21:21

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

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.4	8.0
122	8.3	11.0	16.4

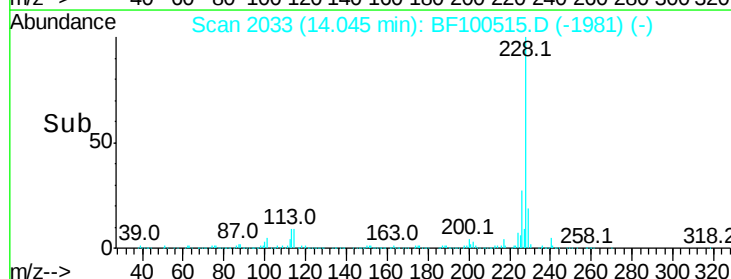
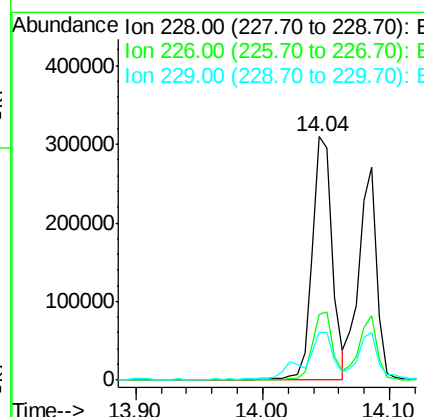
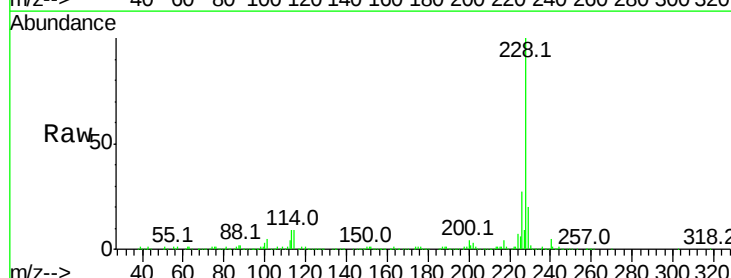
Manual Integrations
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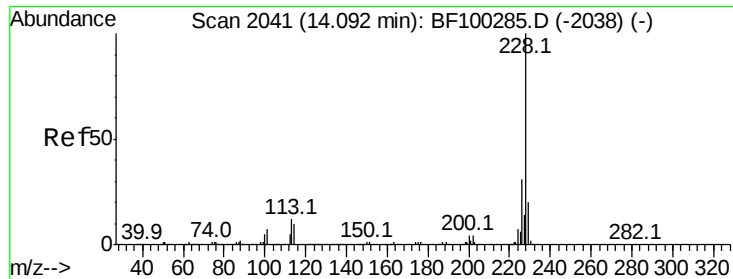
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#80
 Benzo(a)anthracene
 Concen: 36.995 ng
 RT: 14.04 min Scan# 2033
 Delta R.T. 0.01 min
 Lab File: BF100515.D
 Acq: 13 Nov 2017 21:21

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.8	22.6	33.8
229	19.5	15.8	23.6





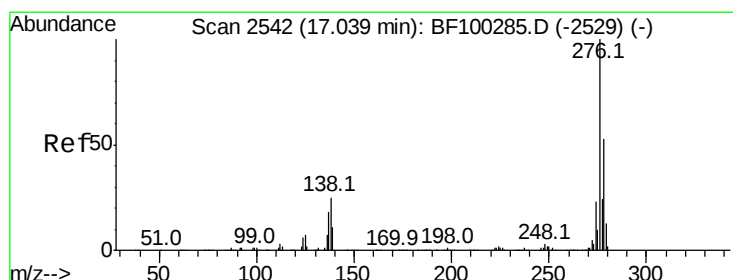
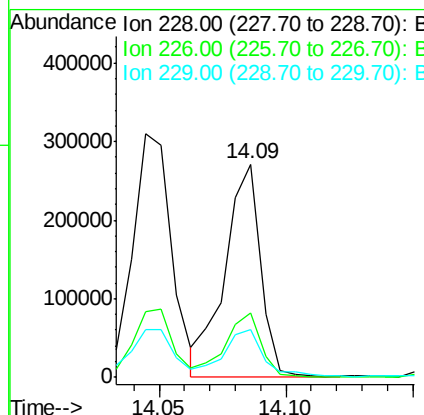
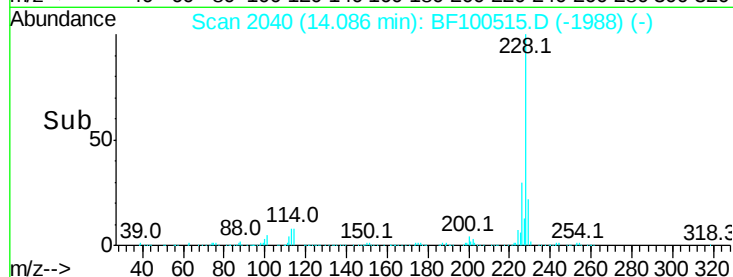
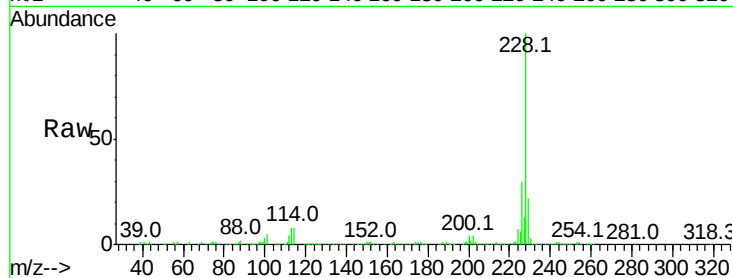
#82
Chrysene
Concen: 30.135 ng
RT: 14.09 min Scan# 2040
Delta R.T. 0.01 min
Lab File: BF100515.D
Acq: 13 Nov 2017 21:21

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

Tot Ion:	228	Resp:	265186
Ion Ratio	Lower	Upper	
228	100		
226	30.3	25.0	37.6
229	22.2	16.2	24.4

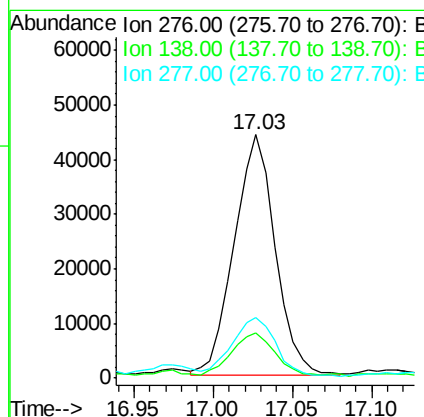
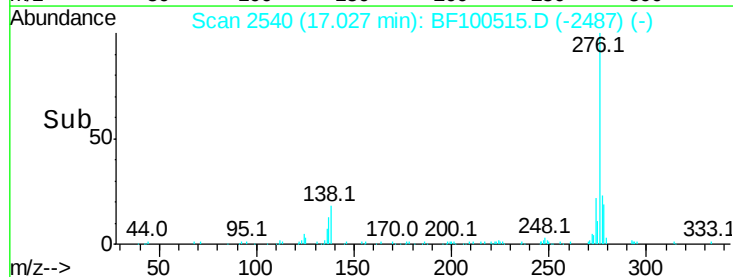
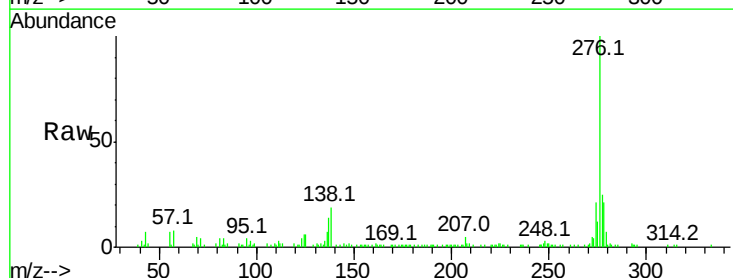
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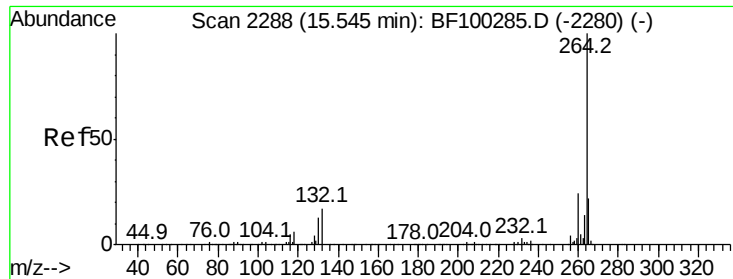
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#85
Indeno(1,2,3-cd)pyrene
Concen: 11.076 ng
RT: 17.03 min Scan# 2540
Delta R.T. 0.01 min
Lab File: BF100515.D
Acq: 13 Nov 2017 21:21

Tgt Ion:	276	Resp:	78835
Ion Ratio	Lower	Upper	
276	100		
138	19.5	25.0	37.6#
277	25.9	20.1	30.1





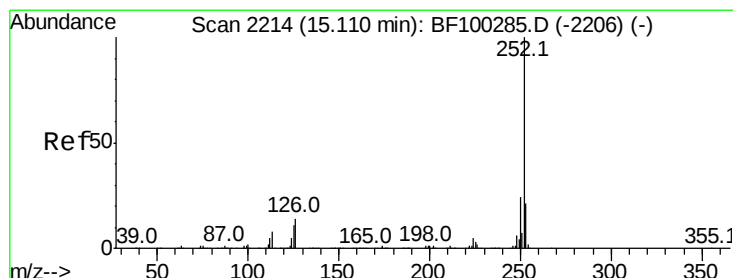
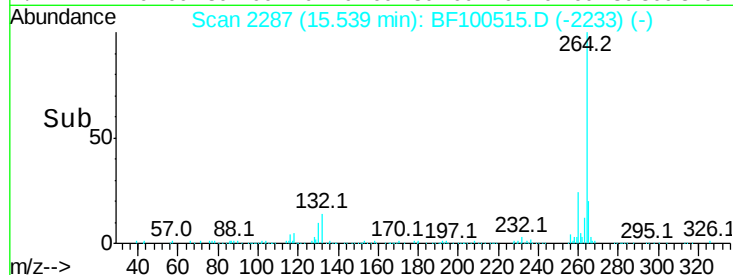
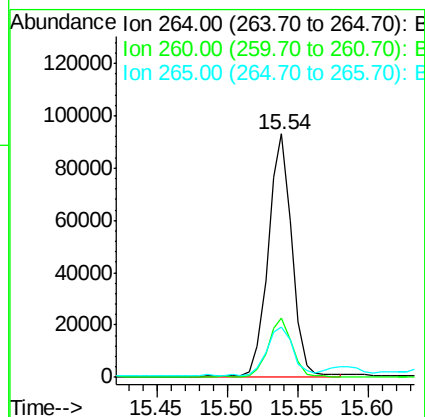
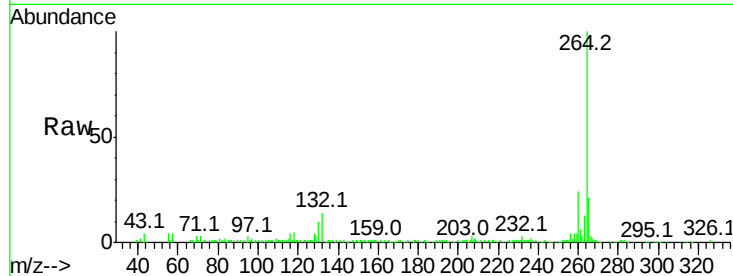
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2287
Delta R.T. 0.02 min
Lab File: BF100515.D
Acq: 13 Nov 2017 21:21

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

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	20.7	17.5	26.3

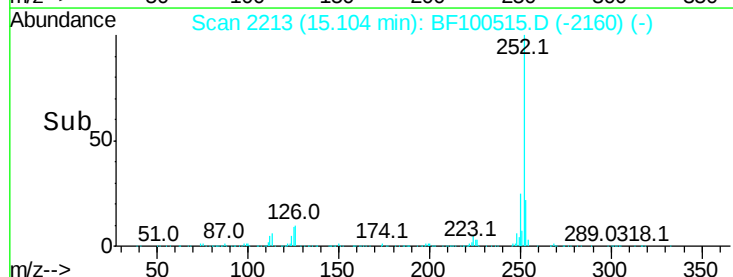
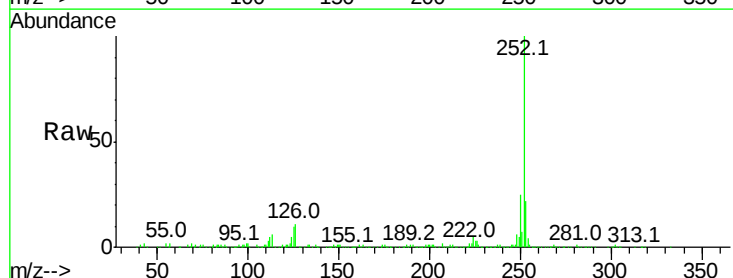
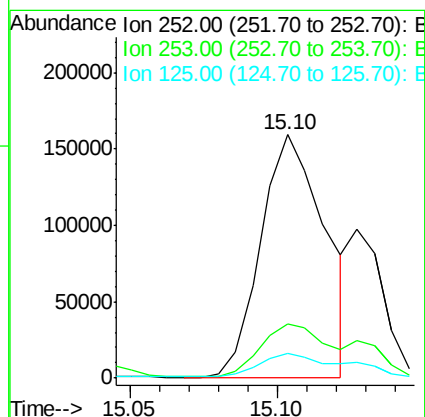
Manual Integrations
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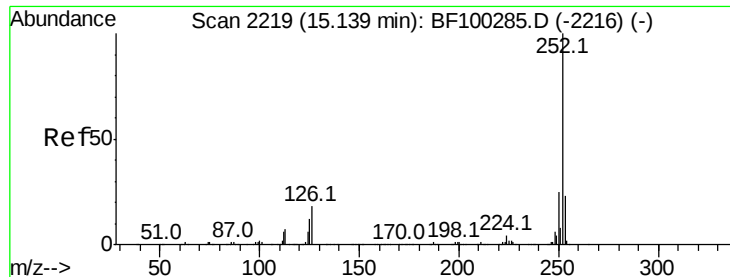
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#87
Benzo(b)fluoranthene
Concen: 36.905 ng m
RT: 15.10 min Scan# 2213
Delta R.T. 0.01 min
Lab File: BF100515.D
Acq: 13 Nov 2017 21:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.0	25.6
125	9.9	9.0	13.6





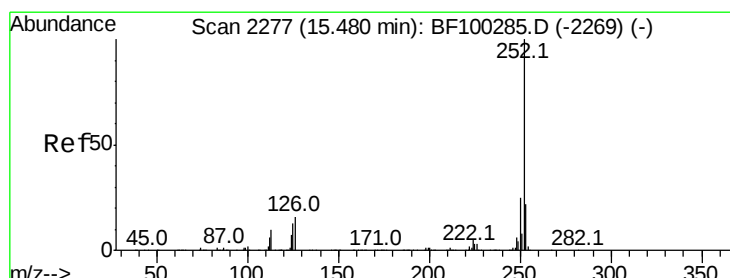
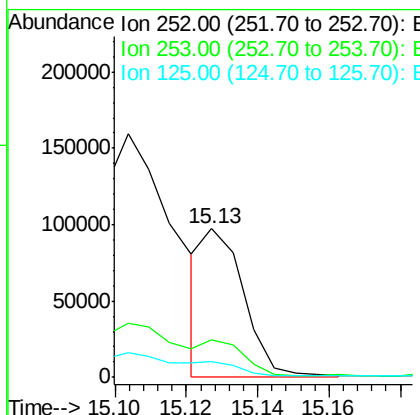
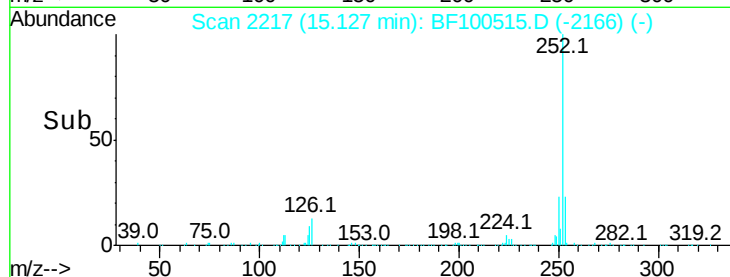
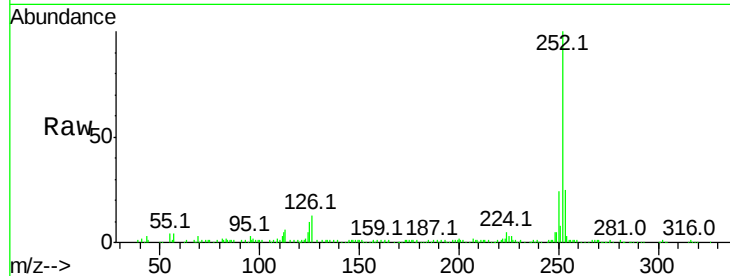
#88
Benzo(k)fluoranthene
Concen: 12.684 ng m
RT: 15.13 min Scan# 2217
Delta R.T. 0.00 min
Lab File: BF100515.D
Acq: 13 Nov 2017 21:21

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.9	26.9
125	10.3	10.2	15.2

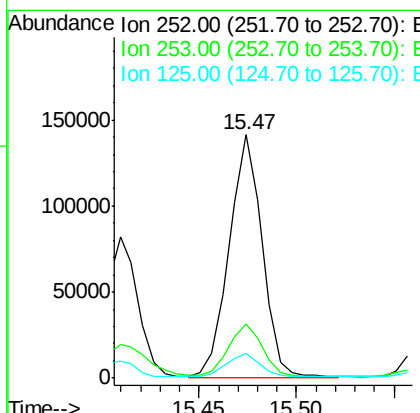
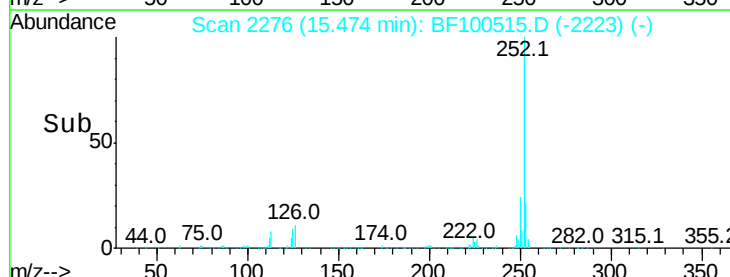
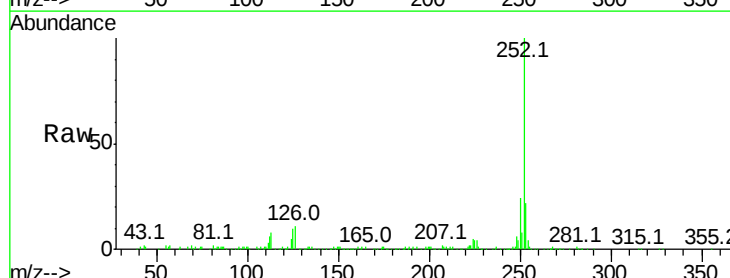
Manual Integrations
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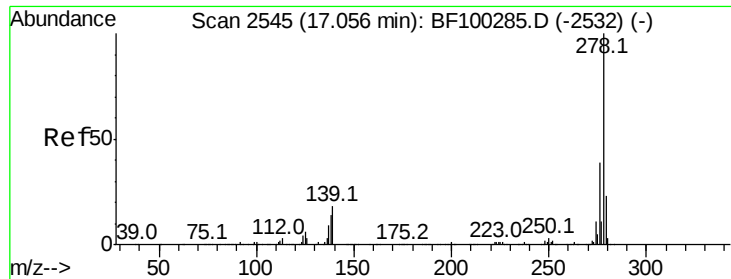
SOHIL
11/14/2017 5:20:42 PM



#89
Benzo(a)pyrene
Concen: 28.363 ng
RT: 15.47 min Scan# 2276
Delta R.T. 0.01 min
Lab File: BF100515.D
Acq: 13 Nov 2017 21:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.1	25.7
125	10.0	9.8	14.6





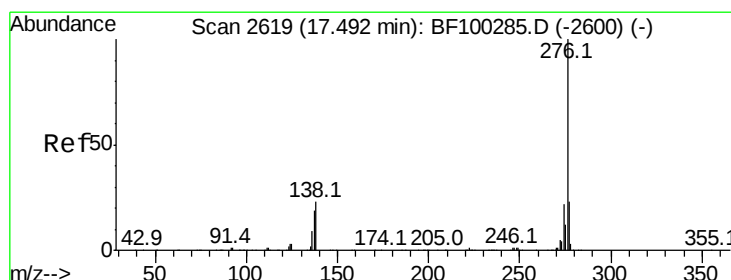
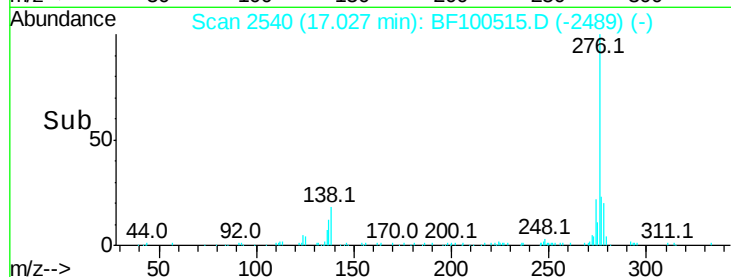
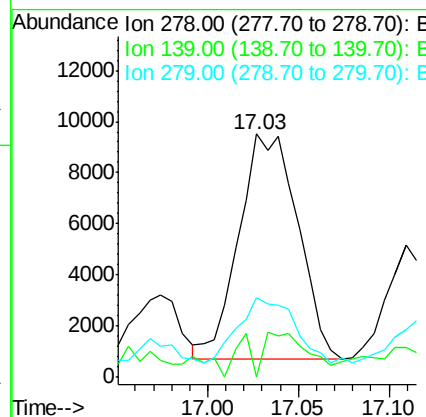
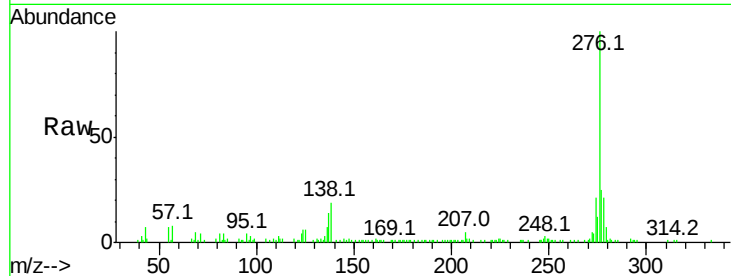
#90
Dibenzo(a,h)anthracene
Concen: 4.202 ng
RT: 17.03 min Scan# 2540
Delta R.T. 0.00 min
Lab File: BF100515.D
Acq: 13 Nov 2017 21:21

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

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9#
279	32.6	19.0	28.4#

Manual Integrations
APPROVED

SOHIL
11/14/2017 5:20:42 PM



#91
Benzo(g,h,i)perylene
Concen: 15.172 ng m
RT: 17.48 min Scan# 2617
Delta R.T. 0.02 min
Lab File: BF100515.D
Acq: 13 Nov 2017 21:21

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.1	17.9	26.9
138	20.8	21.8	32.8#

