

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032618\
 Data File : BF103937.D
 Acq On : 26 Mar 2018 20:48
 Operator : JU/SJ
 Sample : J1758-05
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-032318-C

Manual Integrations
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 3/27/2018 2:15:40 PM

Quant Time: Mar 27 08:16:00 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 23 13:26:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	141628	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	564150	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	246320	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	393986	20.00	ng	0.00
75) Chrysene-d12	14.16	240	282338	20.00	ng	-0.01
86) Perylene-d12	15.70	264	251786	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	999059	107.29	ng	0.01
7) Phenol-d6	6.60	99	1234244	108.34	ng	0.00
23) Nitrobenzene-d5	7.54	82	735305	90.89	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	278212	131.36	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1206738	78.15	ng	0.00
78) Terphenyl-d14	13.10	244	901864	74.14	ng	0.00
Target Compounds						
10) Phenol	6.61	94	36728	3.034	ng	Qvalue 93
31) Naphthalene	8.27	128	149401	5.243	ng	99
37) 2-Methylnaphthalene	8.97	142	43450	2.404	ng	97
49) Dimethylphthalate	9.72	163	88775	4.724	ng	99
51) Acenaphthene	10.05	154	37682	2.509	ng	100
54) Dibenzofuran	10.22	168	51559	2.403	ng	98
57) Fluorene	10.56	166	63976	3.843	ng	98
70) Phenanthrene	11.53	178	322595	14.968	ng	98
71) Anthracene	11.58	178	100776	4.604	ng	98
74) Fluoranthene	12.73	202	286185	12.889	ng	96
77) Pyrene	12.96	202	239993	11.574	ng	99
80) Benzo(a)anthracene	14.14	228	114903	6.429	ng	98
82) Chrysene	14.19	228	98295	5.770	ng	97
85) Indeno(1,2,3-cd)pyrene	17.28	276	37919	2.549	ng	95
87) Benzo(b)fluoranthene	15.24	252	116899m	7.349	ng	
88) Benzo(k)fluoranthene	15.27	252	35891m	2.347	ng	
89) Benzo(a)pyrene	15.63	252	79685	5.523	ng	95
91) Benzo(g,h,i)perylene	17.76	276	35457	2.917	ng	# 94

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

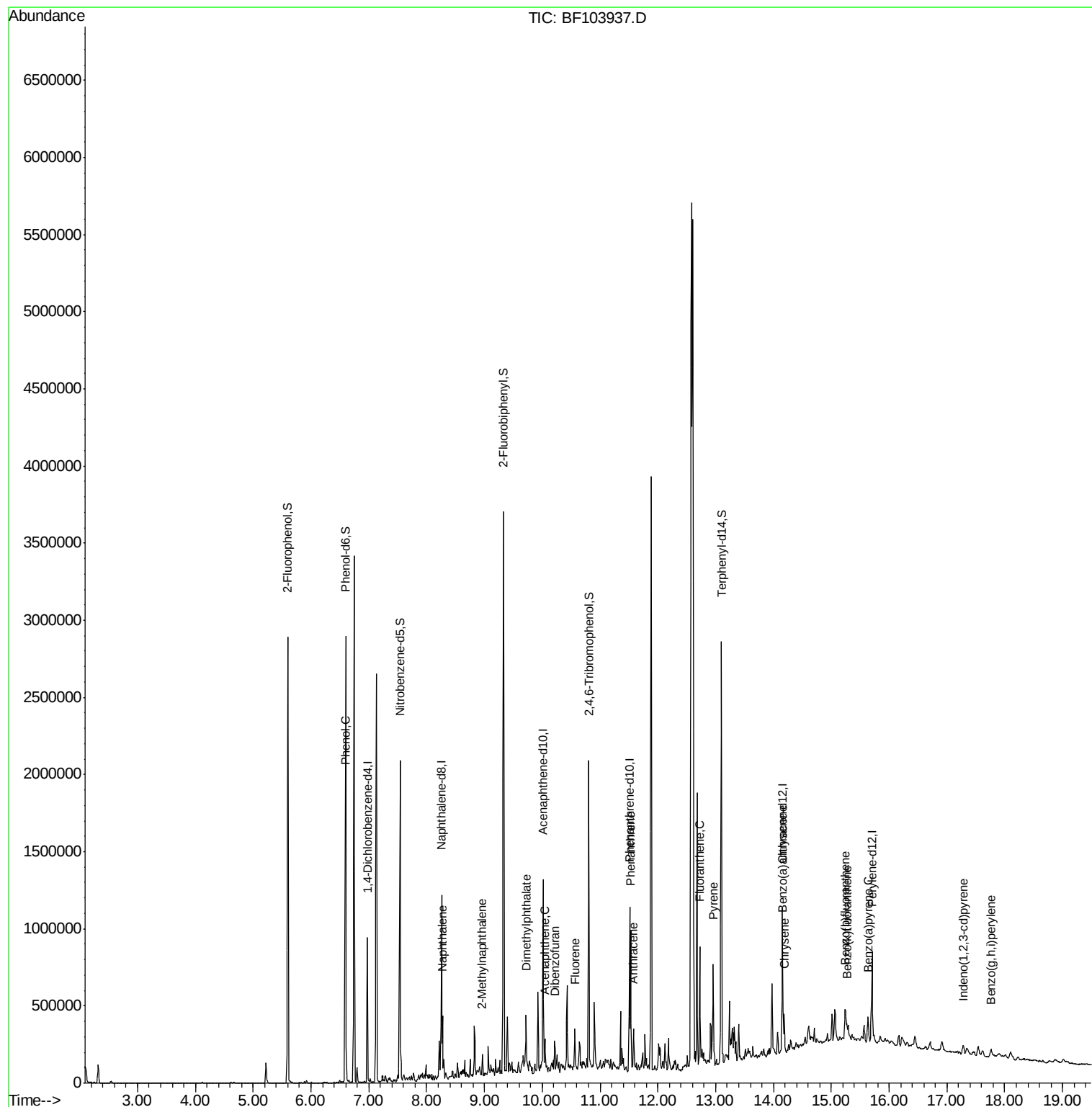
Data Path : Z:\HPCHEM1\BNA F\DATA\BF032618\
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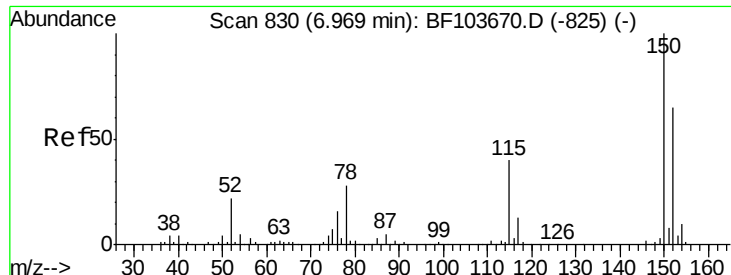
Instrument :
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#1

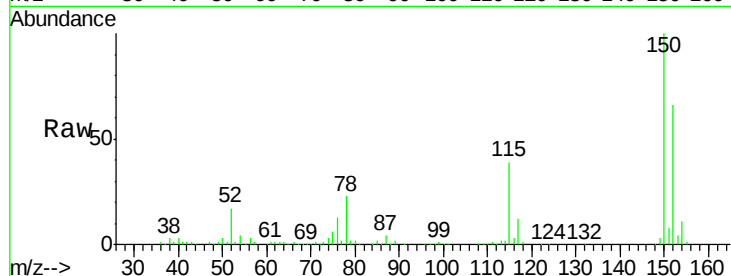
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 831
Delta R.T. 0.00 min
Lab File: BF103937.D
Acq: 26 Mar 2018 20:48

Instrument :
BNA_F
ClientSampleId :
PL-02-032318-C

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.2	124.6	186.8
115	58.6	50.1	75.1

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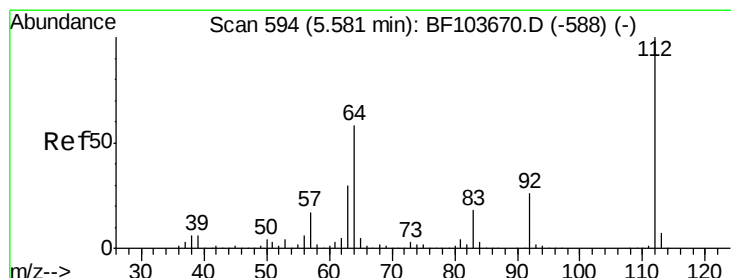
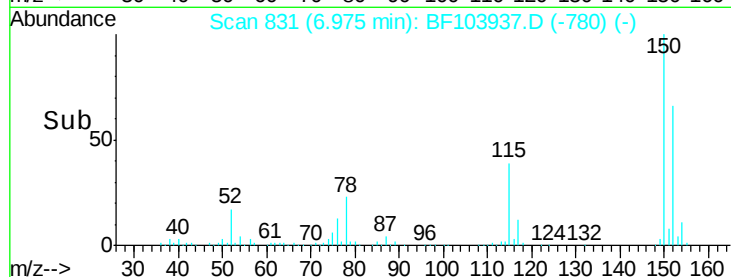
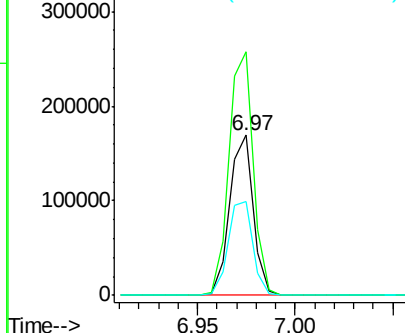


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

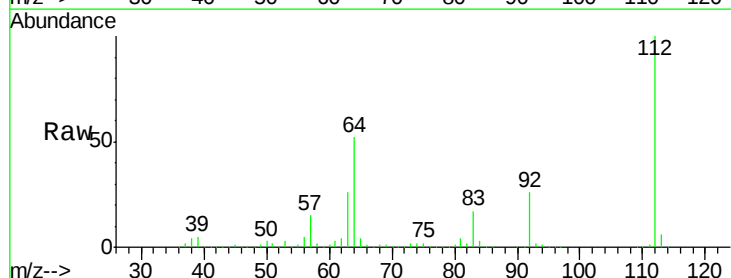
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 107.293 ng
RT: 5.60 min Scan# 598
Delta R.T. 0.01 min
Lab File: BF103937.D
Acq: 26 Mar 2018 20:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.6	47.9	71.9
63	25.7	23.7	35.5

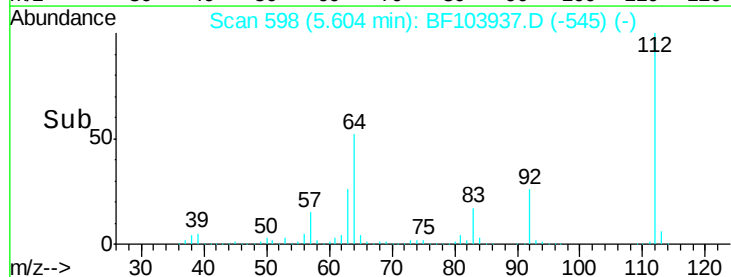
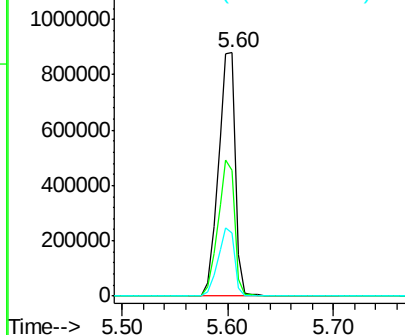


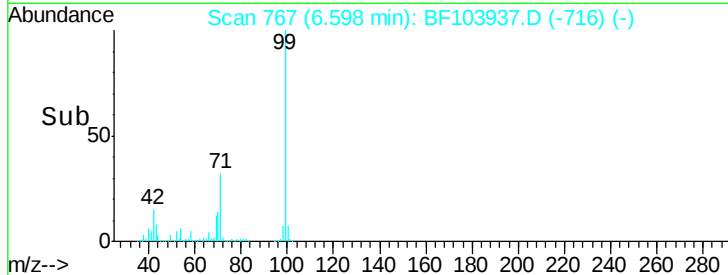
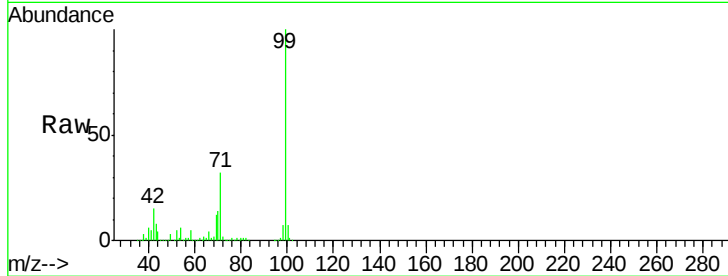
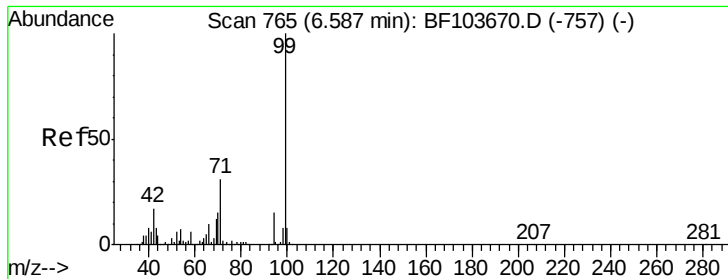
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 108.343 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.00 min

Lab File: BF103937.D

Acq: 26 Mar 2018 20:48

Tot Ion:	99	Resp:	1234244
Ion	Ratio	Lower	Upper
99	100		
42	15.3	14.5	21.7
71	32.1	25.4	38.0

Instrument :

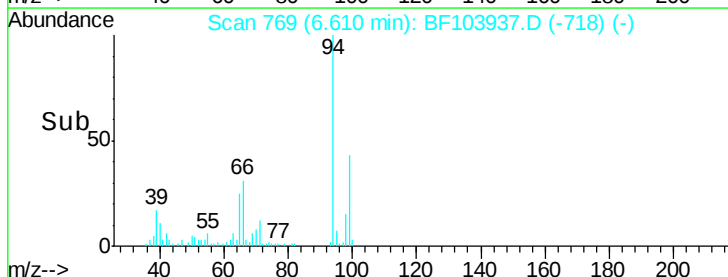
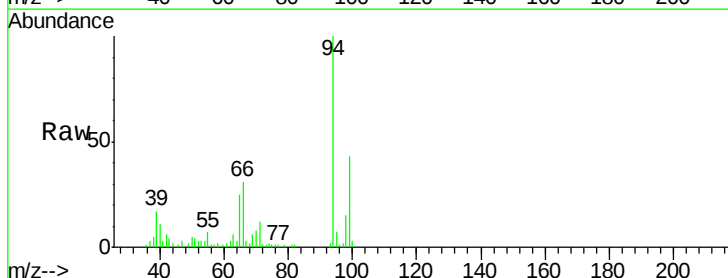
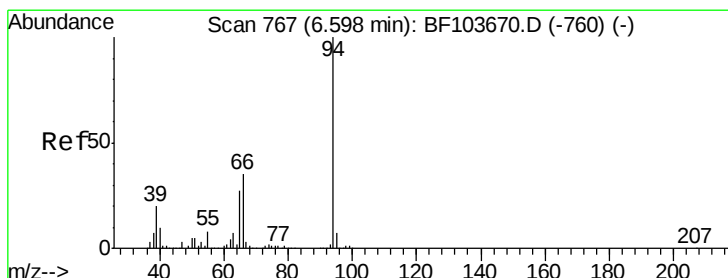
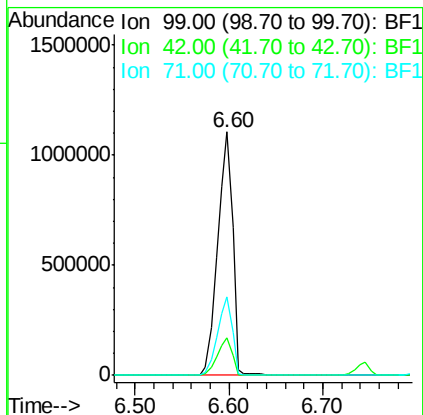
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#10

Phenol

Concen: 3.034 ng

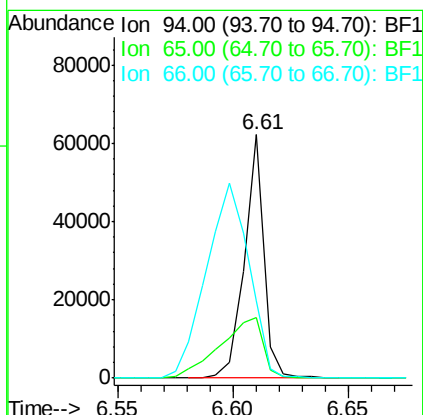
RT: 6.61 min Scan# 769

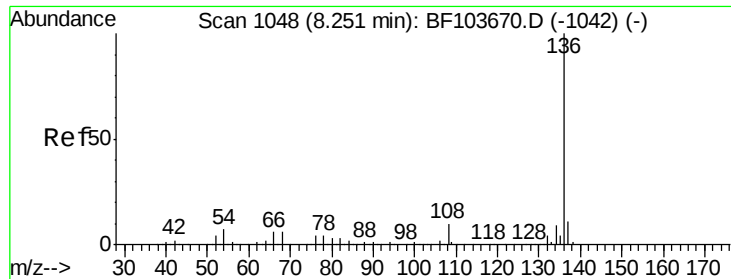
Delta R.T. 0.00 min

Lab File: BF103937.D

Acq: 26 Mar 2018 20:48

Tgt Ion:	94	Resp:	36728
Ion	Ratio	Lower	Upper
94	100		
65	25.0	7.9	47.9
66	31.5	16.2	56.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.26 min Scan# 1049

Delta R.T. 0.00 min

Lab File: BF103937.D

Acq: 26 Mar 2018 20:48

Instrument :

BNA_F

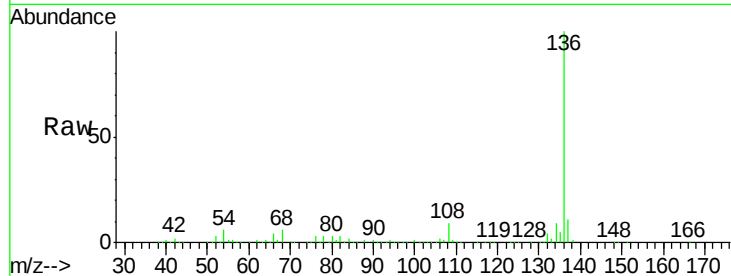
ClientSampleId :

PL-02-032318-C

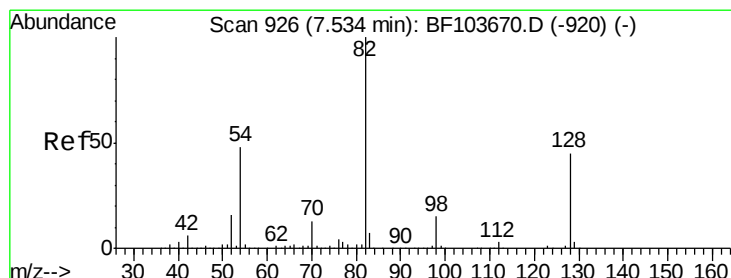
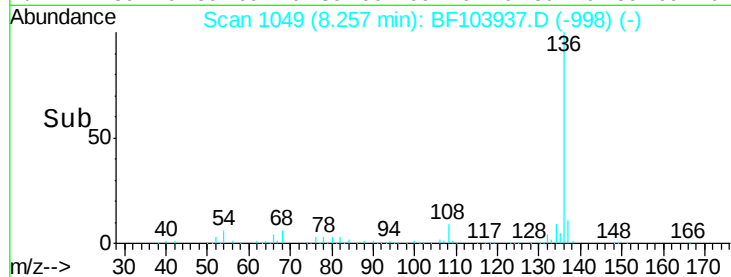
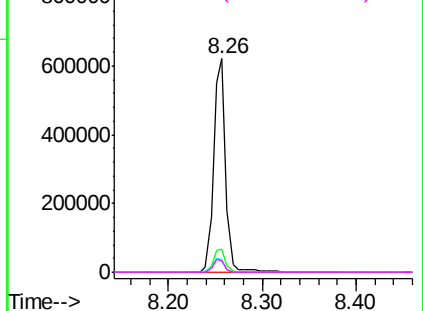
Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	10.8	8.9	13.3
54	6.1	6.6	9.8
68	5.6	5.0	7.4

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Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 90.893 ng

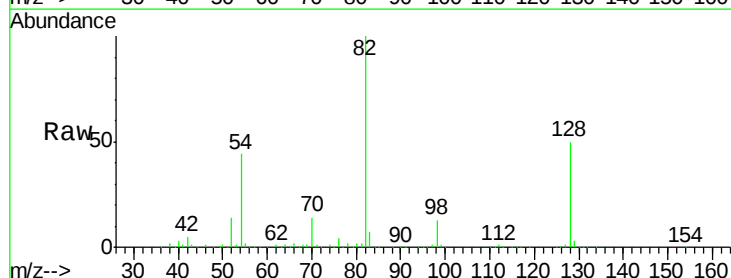
RT: 7.54 min Scan# 927

Delta R.T. 0.00 min

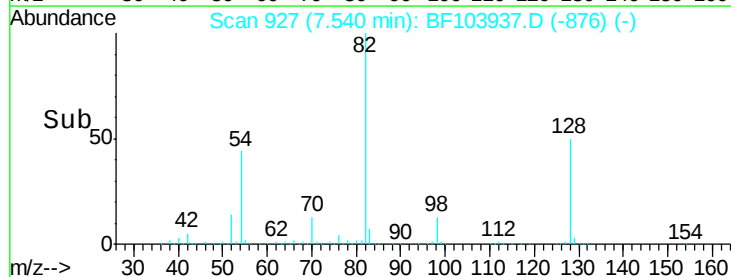
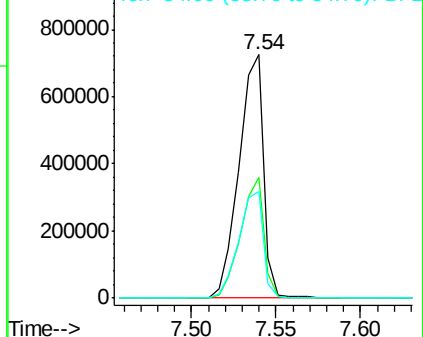
Lab File: BF103937.D

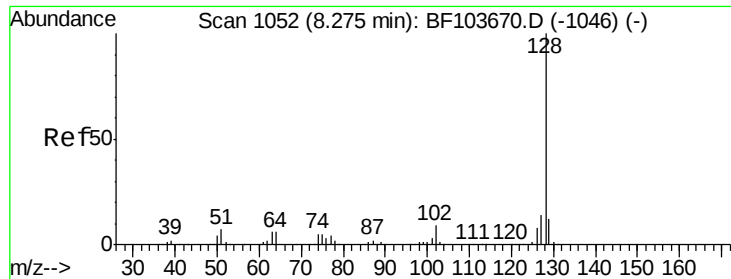
Acq: 26 Mar 2018 20:48

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	49.5	36.1	54.1
54	43.6	41.4	62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





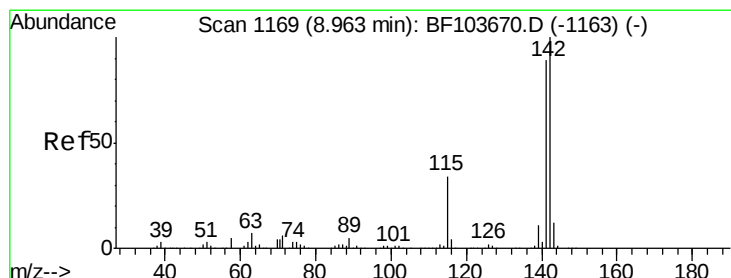
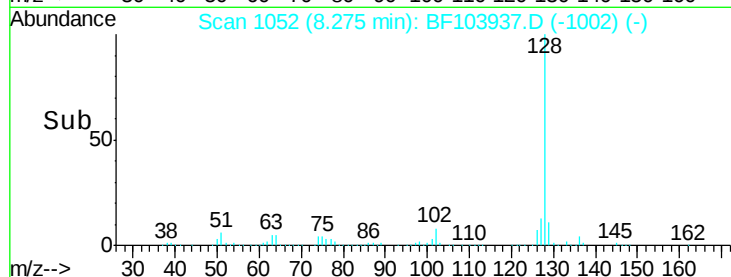
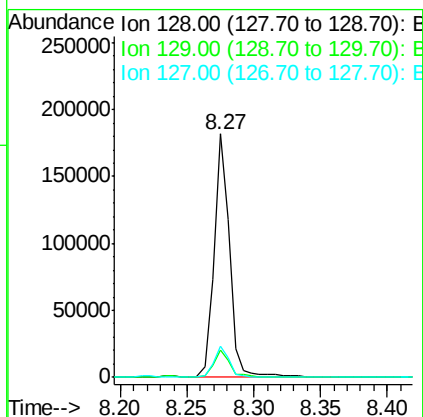
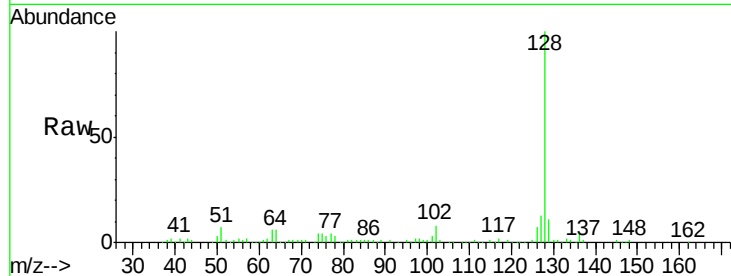
#31
Naphthalene
Concen: 5.243 ng
RT: 8.27 min Scan# 1052
Delta R.T. -0.01 min
Lab File: BF103937.D
Acq: 26 Mar 2018 20:48

Instrument :
BNA_F
ClientSampleId :
PL-02-032318-C

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.8	13.2
127	12.9	10.9	16.3

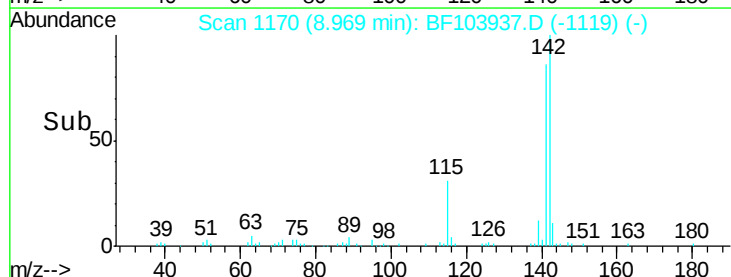
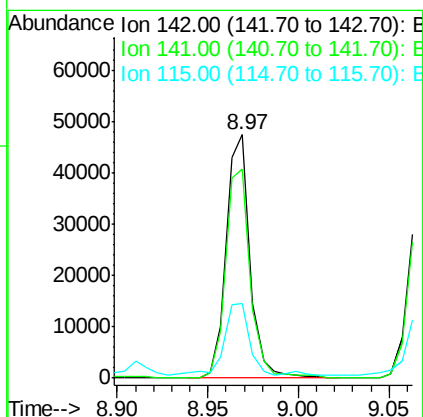
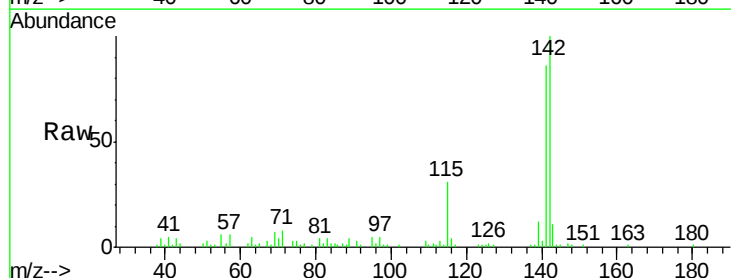
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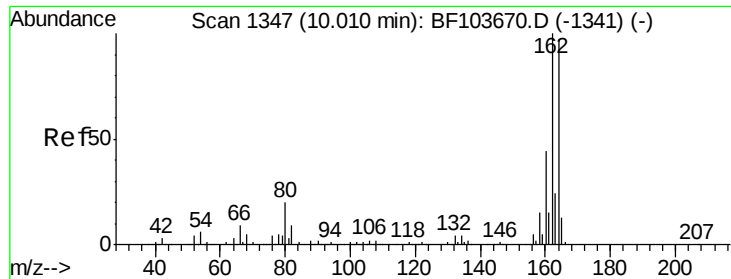
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#37
2-Methylnaphthalene
Concen: 2.404 ng
RT: 8.97 min Scan# 1170
Delta R.T. 0.00 min
Lab File: BF103937.D
Acq: 26 Mar 2018 20:48

Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.8	70.8	106.2
115	30.8	26.1	39.1





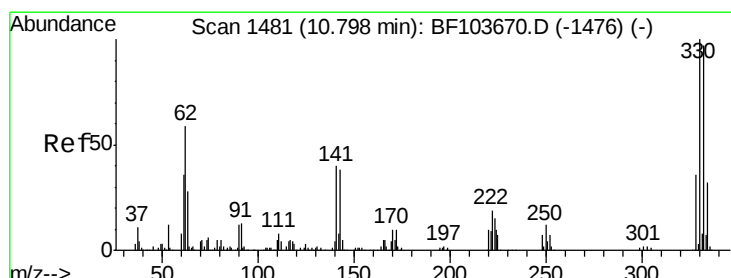
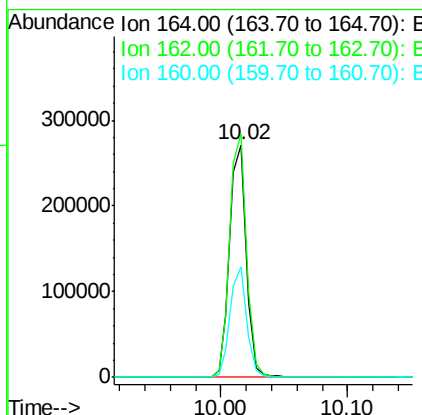
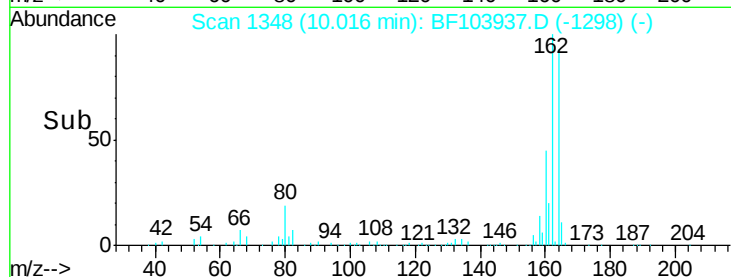
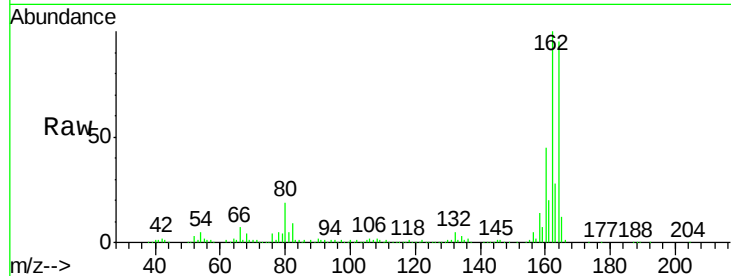
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.02 min Scan# 1348
Delta R.T. -0.01 min
Lab File: BF103937.D
Acq: 26 Mar 2018 20:48

Instrument :
BNA_F
ClientSampleId :
PL-02-032318-C

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	104.8	86.1	129.1	
160	47.4	38.3	57.5	

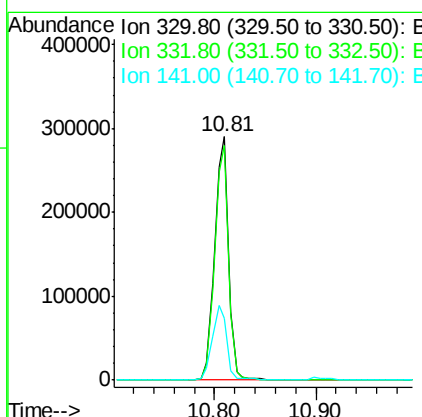
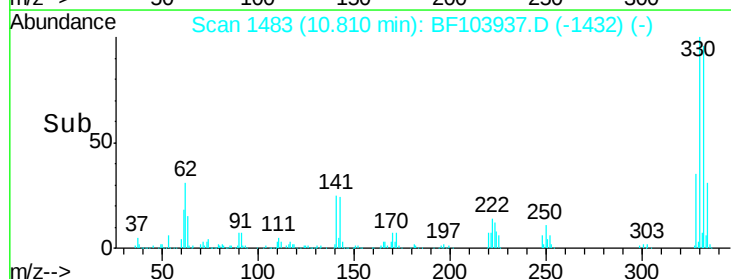
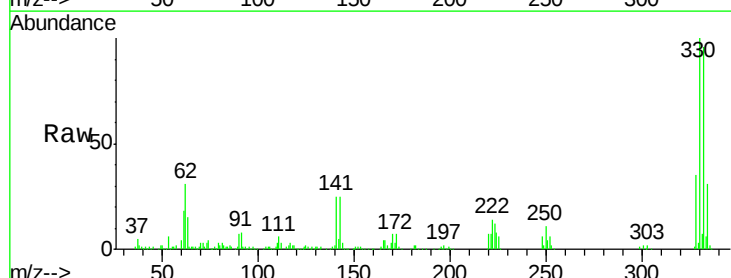
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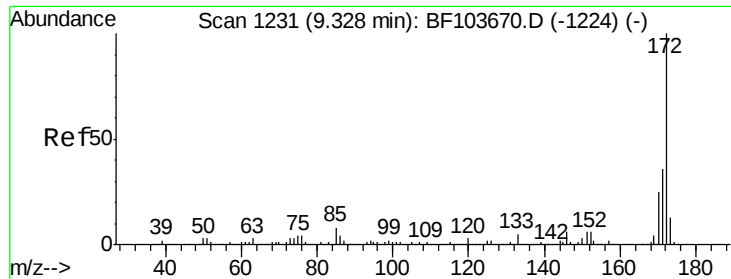
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#41
2,4,6-Tribromophenol
Concen: 131.364 ng
RT: 10.81 min Scan# 1483
Delta R.T. 0.00 min
Lab File: BF103937.D
Acq: 26 Mar 2018 20:48

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.0	77.0	115.6	
141	31.3	29.9	44.9	





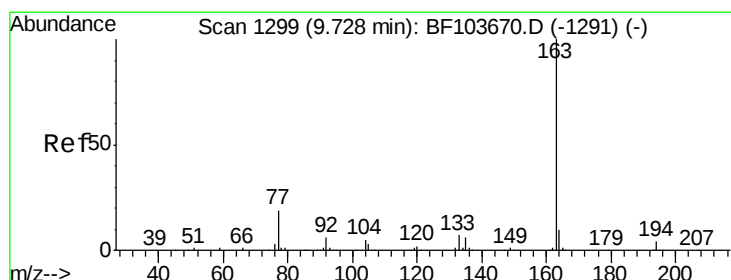
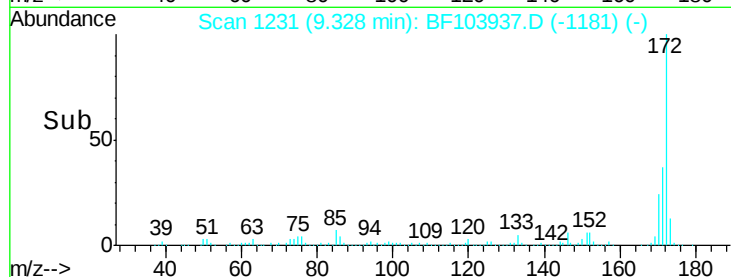
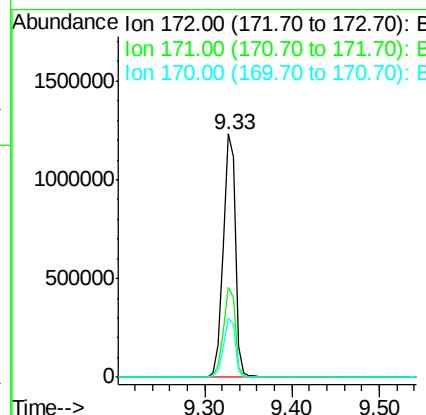
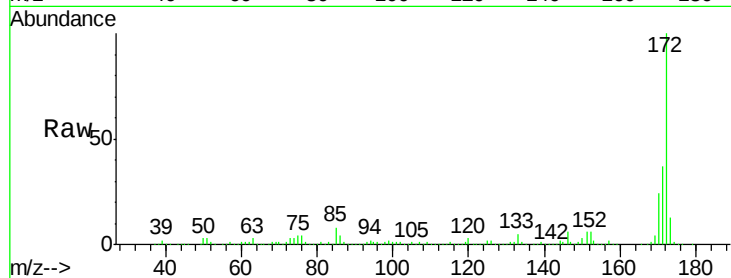
#44
2-Fluorobiphenyl
Concen: 78.147 ng
RT: 9.33 min Scan# 1231
Delta R.T. -0.01 min
Lab File: BF103937.D
Acq: 26 Mar 2018 20:48

Instrument :
BNA_F
ClientSampleId :
PL-02-032318-C

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.7	44.5
170	24.1	19.6	29.4

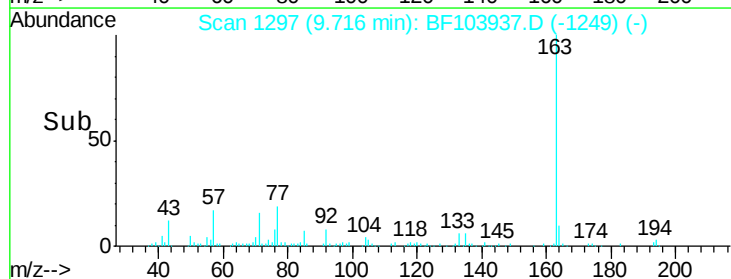
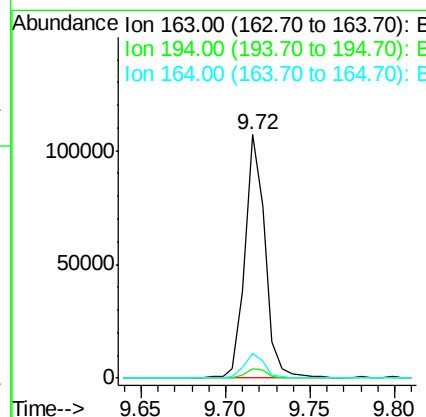
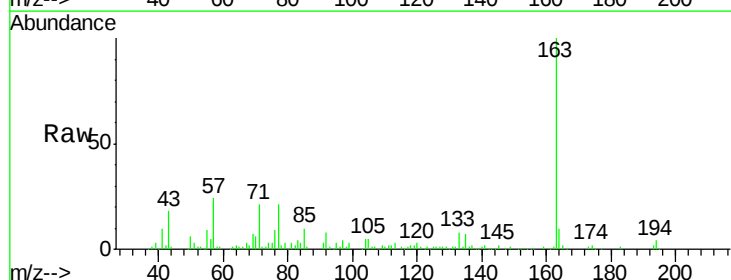
Manual Integrations
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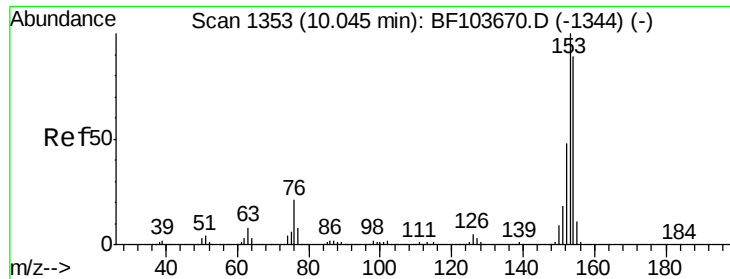
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#49
Dimethylphthalate
Concen: 4.724 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BF103937.D
Acq: 26 Mar 2018 20:48

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.7	4.1
164	10.0	8.2	12.2





#51

Acenaphthene

Concen: 2.509 ng

RT: 10.05 min Scan# 1353

Delta R.T. -0.01 min

Lab File: BF103937.D

Acq: 26 Mar 2018 20:48

Instrument :

BNA_F

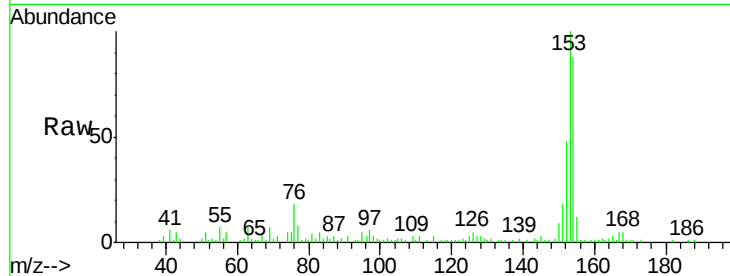
ClientSampleId :

PL-02-032318-C

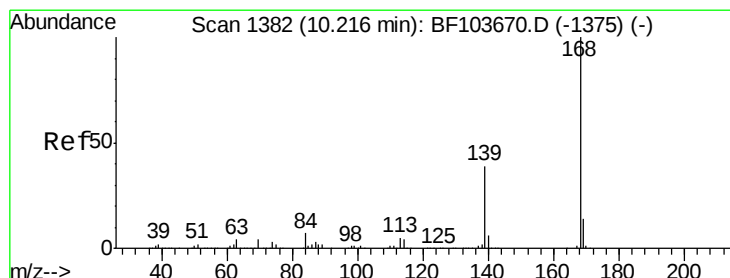
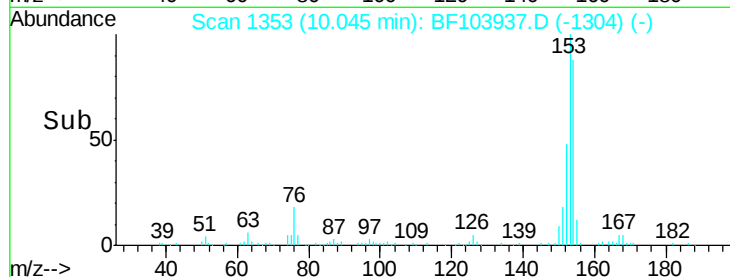
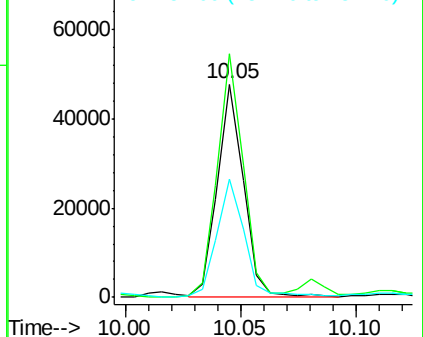
Tot Ion:	154	Resp:	37682
Ion	Ratio	Lower	Upper
154	100		
153	114.2	91.2	136.8
152	55.2	43.8	65.8

Manual Integrations
APPROVED

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3/27/2018 2:15:40 PM



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 2.403 ng

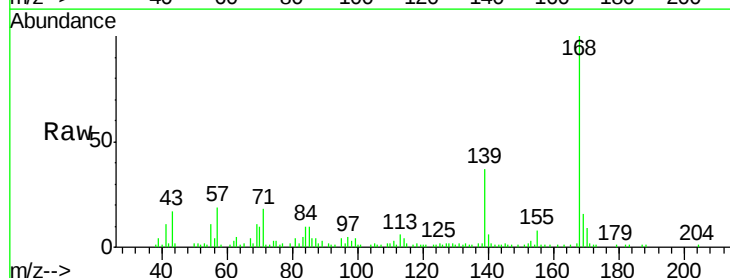
RT: 10.22 min Scan# 1382

Delta R.T. -0.01 min

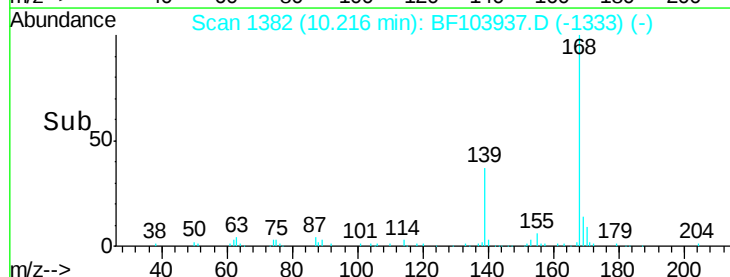
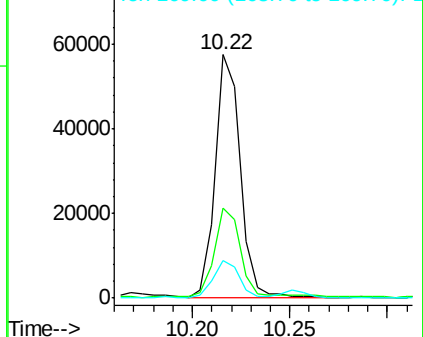
Lab File: BF103937.D

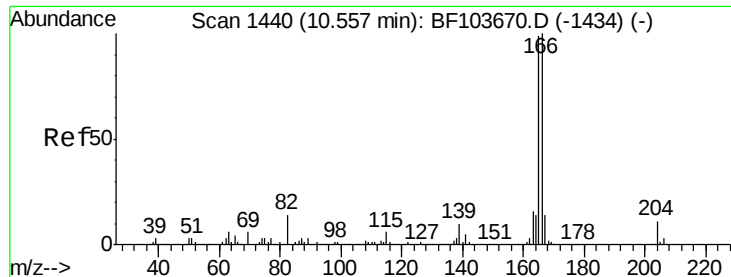
Acq: 26 Mar 2018 20:48

Tgt Ion:	168	Resp:	51559
Ion	Ratio	Lower	Upper
168	100		
139	37.2	30.1	45.1
169	15.7	10.9	16.3



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





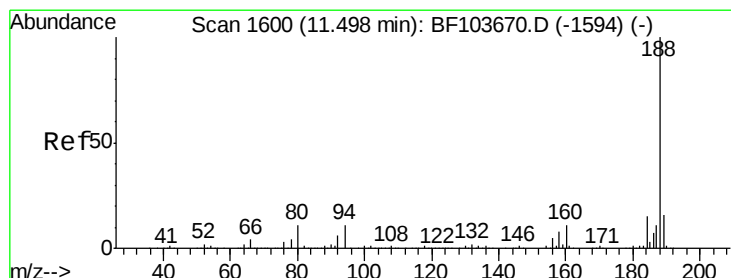
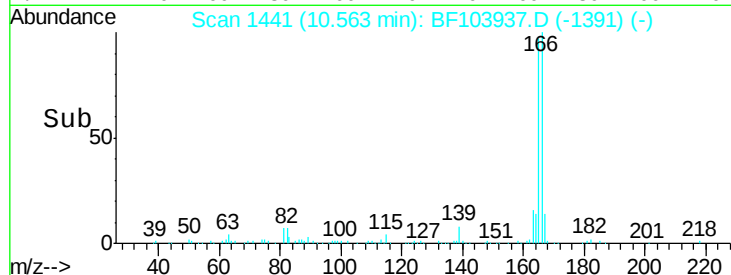
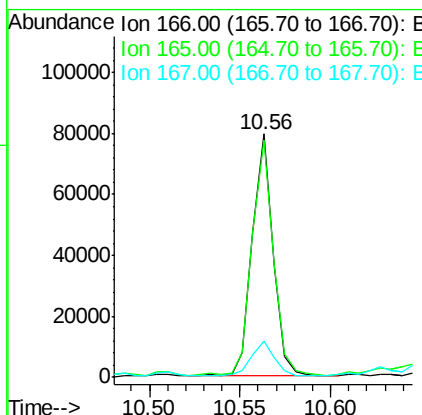
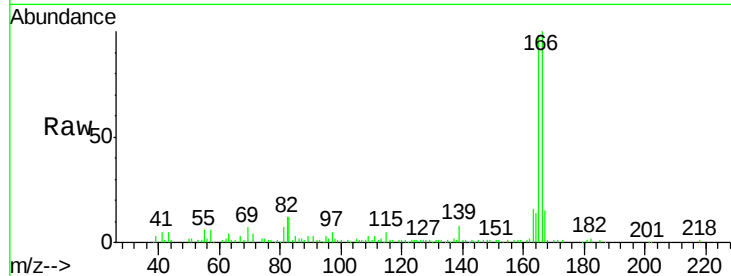
#57
Fluorene
 Concen: 3.843 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: BF103937.D
 Acq: 26 Mar 2018 20:48

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-032318-C

Tot Ion	Ion	Ratio	Lower	Upper
166	100			
165	97.7	79.8	119.8	
167	14.7	10.6	16.0	

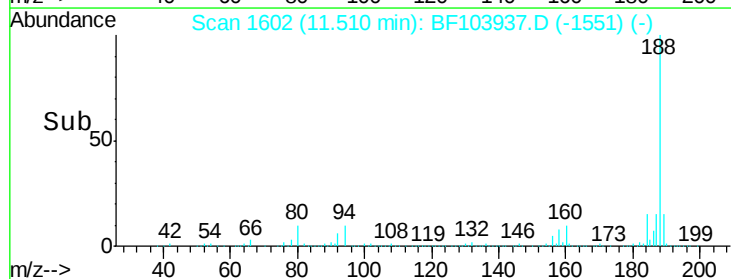
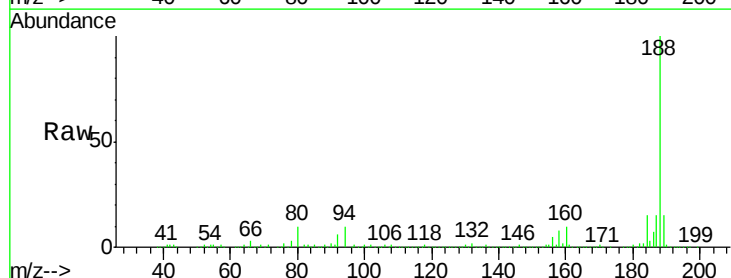
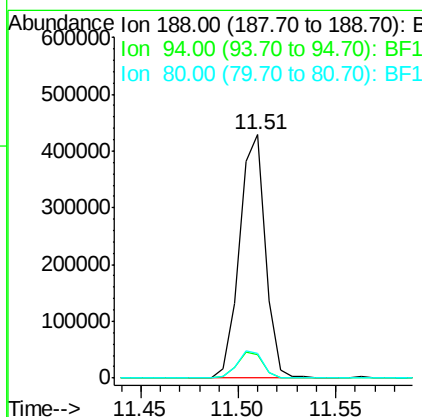
Manual Integrations
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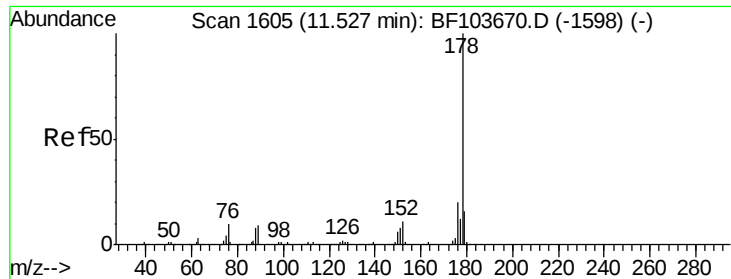
Sohil
 3/27/2018 2:15:40 PM



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.51 min Scan# 1602
 Delta R.T. 0.00 min
 Lab File: BF103937.D
 Acq: 26 Mar 2018 20:48

Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	9.7	8.5	12.7	
80	10.3	9.2	13.8	





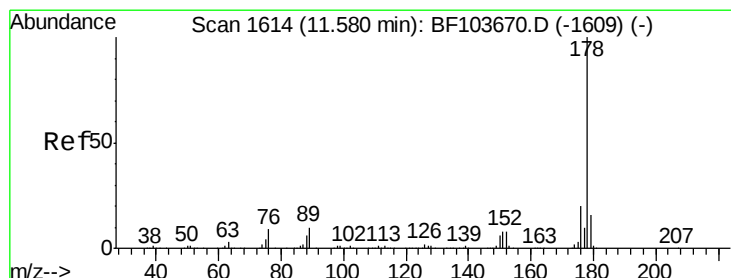
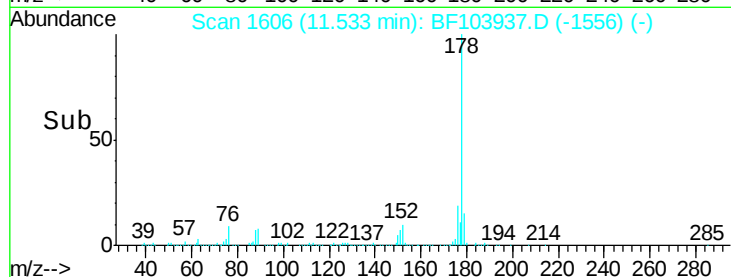
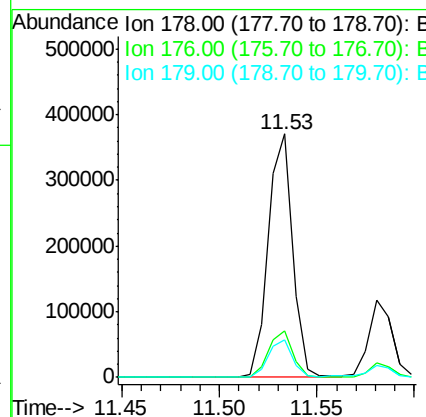
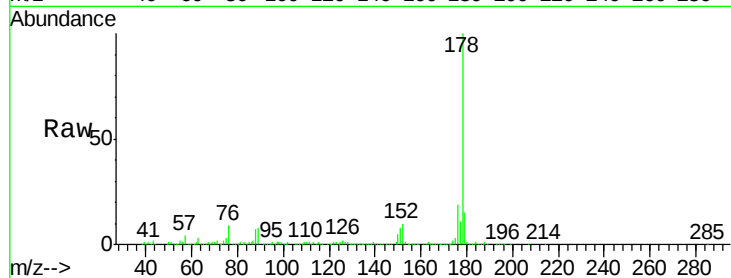
#70
Phenanthrene
Concen: 14.968 ng
RT: 11.53 min Scan# 1606
Delta R.T. -0.01 min
Lab File: BF103937.D
Acq: 26 Mar 2018 20:48

Instrument :
BNA_F
ClientSampleId :
PL-02-032318-C

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.8	23.8
179	15.3	13.0	19.6

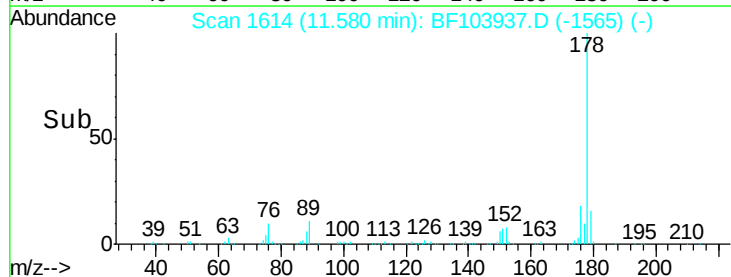
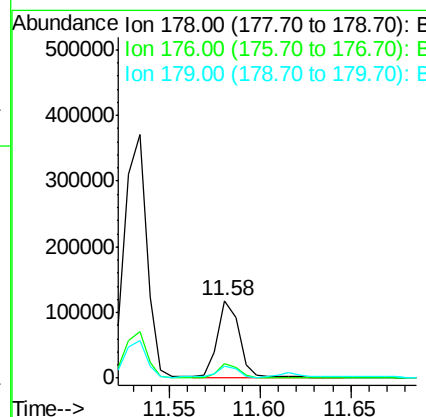
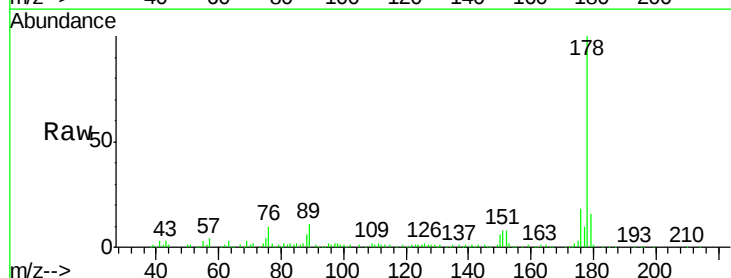
Manual Integrations
APPROVED

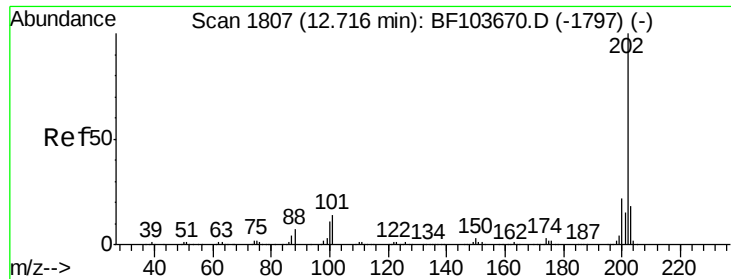
Sohil
3/27/2018 2:15:40 PM



#71
Anthracene
Concen: 4.604 ng
RT: 11.58 min Scan# 1614
Delta R.T. -0.01 min
Lab File: BF103937.D
Acq: 26 Mar 2018 20:48

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.2
179	16.2	12.6	19.0





#74

Fluoranthene

Concen: 12.889 ng

RT: 12.73 min Scan# 1809

Delta R.T. -0.01 min

Lab File: BF103937.D

Acq: 26 Mar 2018 20:48

Instrument :

BNA_F

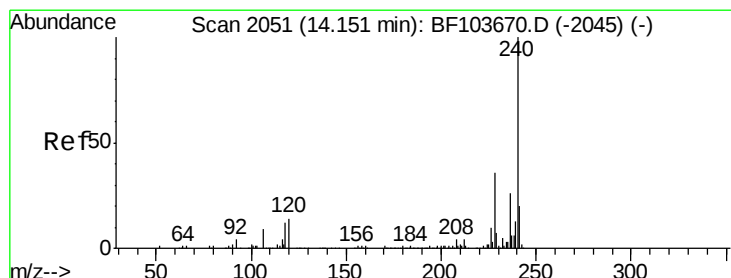
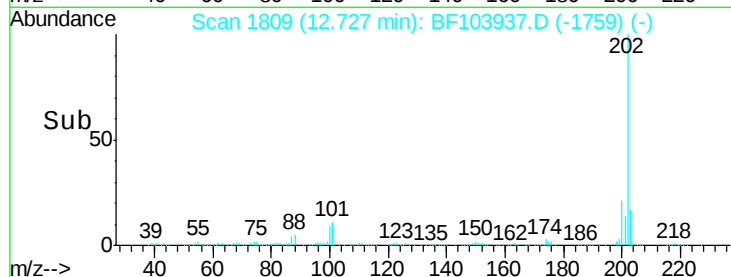
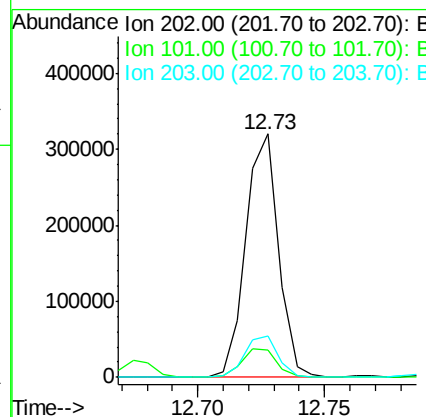
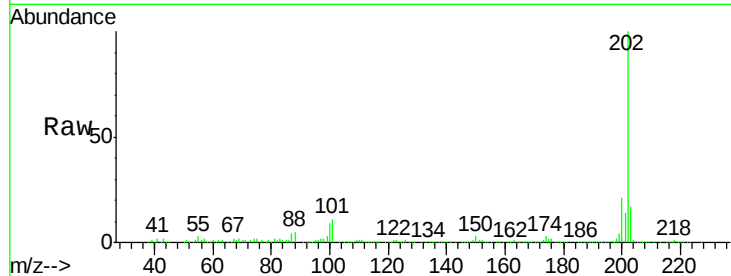
ClientSampleId :

PL-02-032318-C

Tot Ion:	202	Resp:	286185
Ion Ratio	Lower	Upper	
202	100		
101	11.3	0.0	34.1
203	17.0	0.0	38.1

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3/27/2018 2:15:40 PM



#75

Chrysene-d12

Concen: 20.000 ng

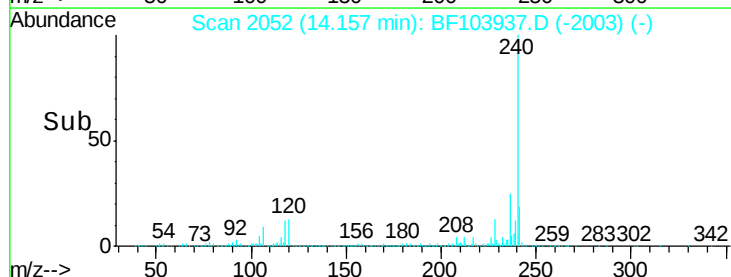
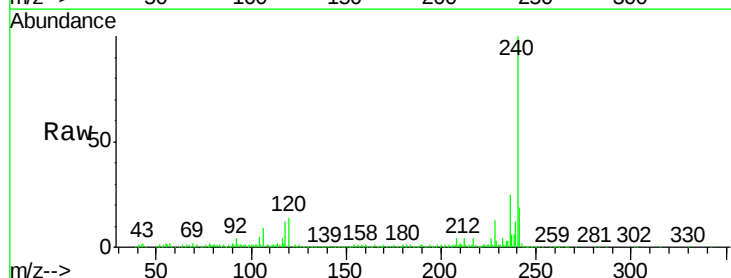
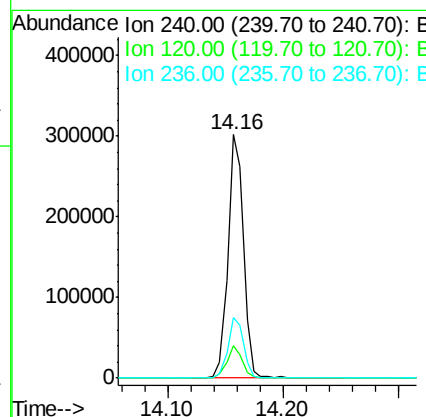
RT: 14.16 min Scan# 2052

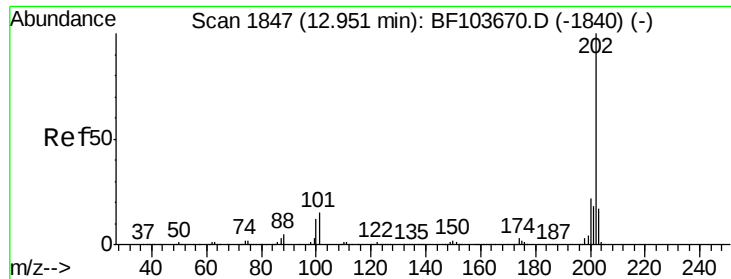
Delta R.T. -0.01 min

Lab File: BF103937.D

Acq: 26 Mar 2018 20:48

Tgt Ion:	240	Resp:	282338
Ion Ratio	Lower	Upper	
240	100		
120	13.5	9.5	14.3
236	25.0	20.7	31.1





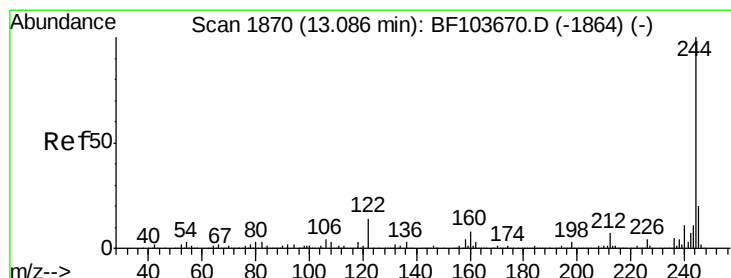
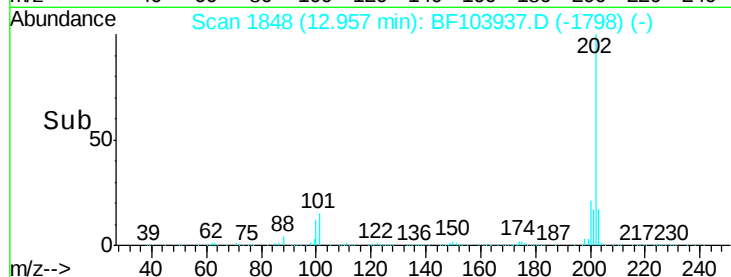
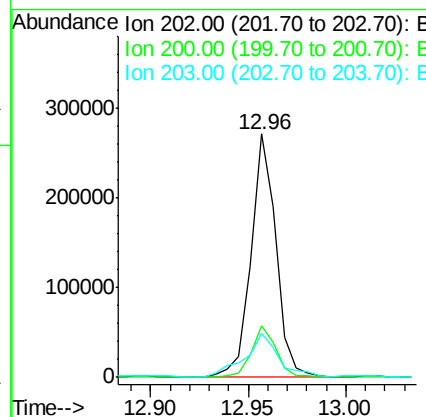
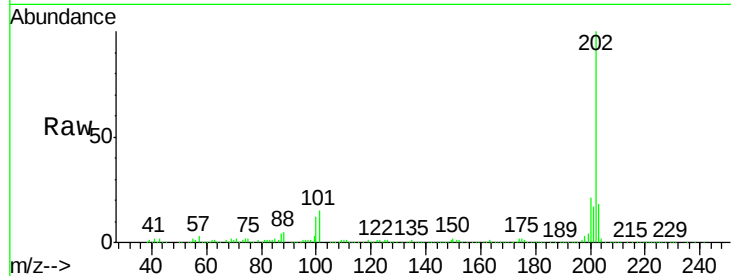
#77
Pvrene
Concen: 11.574 ng
RT: 12.96 min Scan# 1848
Delta R.T. -0.01 min
Lab File: BF103937.D
Acq: 26 Mar 2018 20:48

Instrument :
BNA_F
ClientSampleId :
PL-02-032318-C

Tot Ion	Ratio	Resp	Lower	Upper
202	100	239993		
200	21.0		17.4	26.2
203	18.0		14.3	21.5

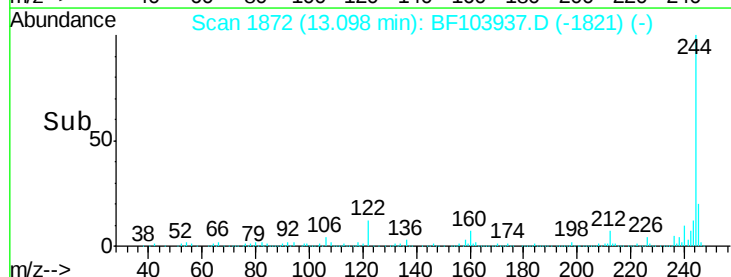
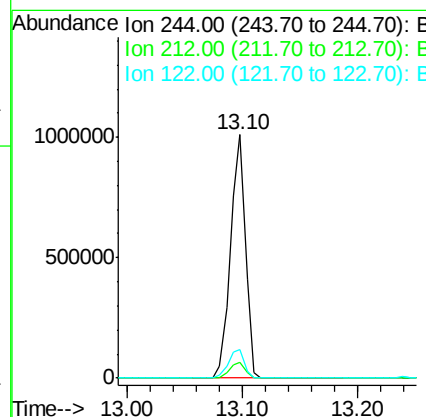
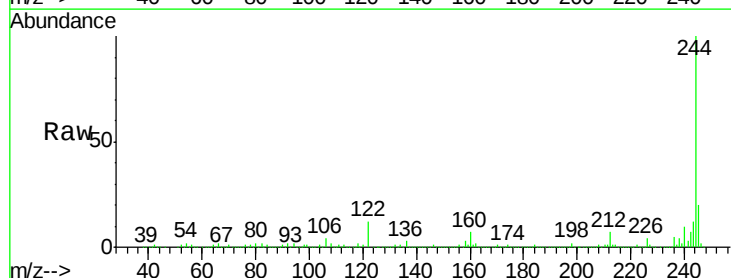
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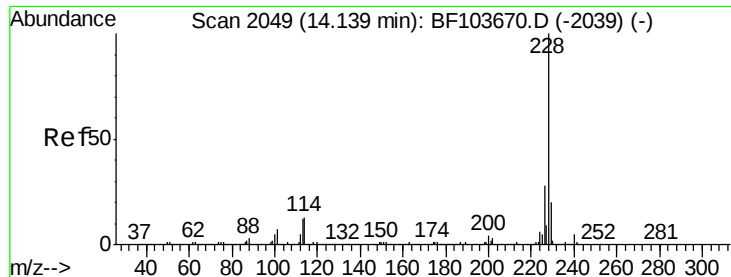
Sohil
3/27/2018 2:15:40 PM



#78
Terphenyl-d14
Concen: 74.144 ng
RT: 13.10 min Scan# 1872
Delta R.T. 0.00 min
Lab File: BF103937.D
Acq: 26 Mar 2018 20:48

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	901864		
212	6.7		5.4	8.0
122	11.9		11.0	16.4





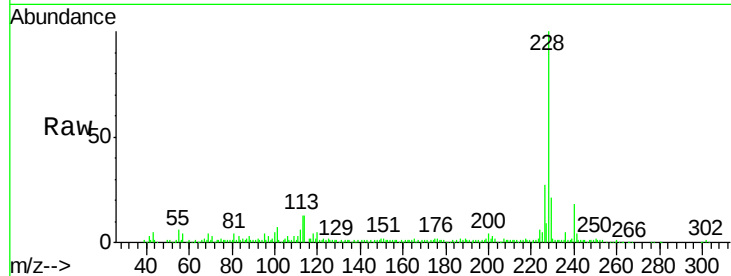
#80
Benzo(a)anthracene
Concen: 6.429 ng
RT: 14.14 min Scan# 2050
Delta R.T. -0.01 min
Lab File: BF103937.D
Acq: 26 Mar 2018 20:48

Instrument :
BNA_F
ClientSampleId :
PL-02-032318-C

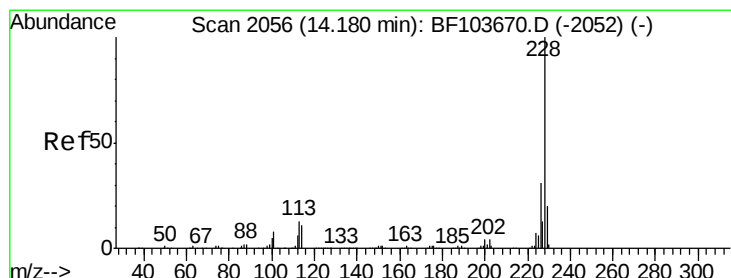
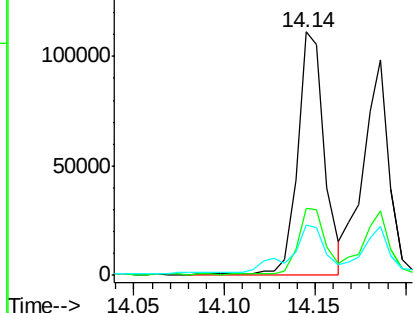
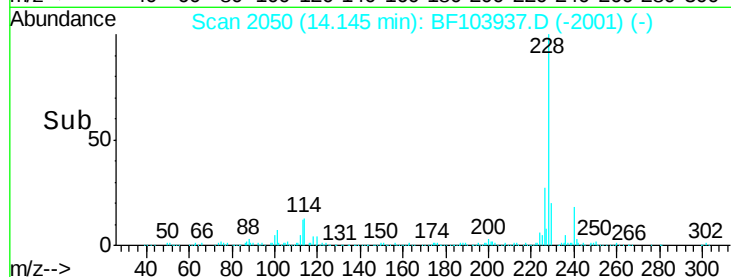
Tot Ion	Ratio	Lower	Upper
228	100		
226	27.3	22.6	33.8
229	20.9	15.8	23.6

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3/27/2018 2:15:40 PM

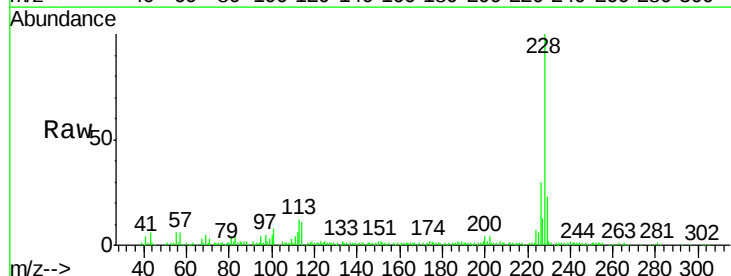


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

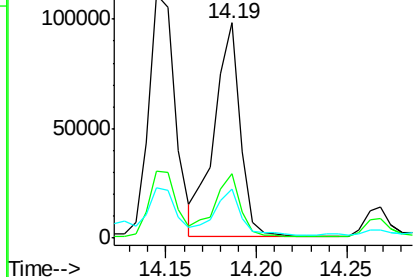
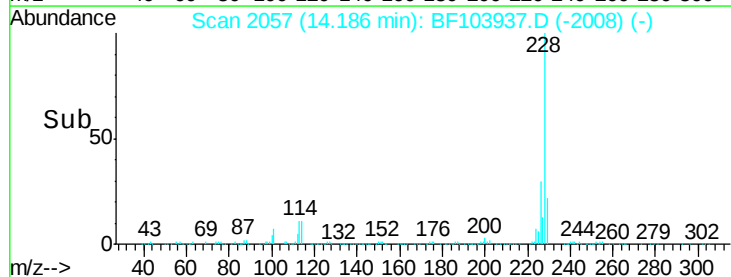


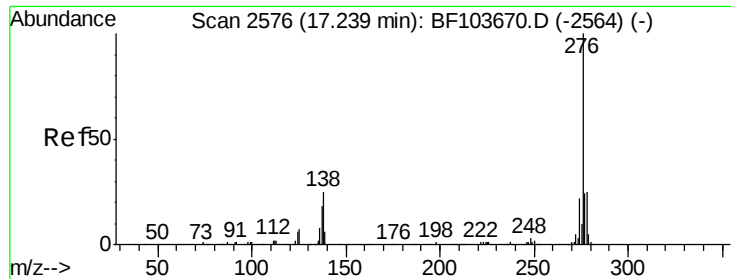
#82
Chrysene
Concen: 5.770 ng
RT: 14.19 min Scan# 2057
Delta R.T. -0.01 min
Lab File: BF103937.D
Acq: 26 Mar 2018 20:48

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	25.0	37.6
229	22.6	16.2	24.4



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





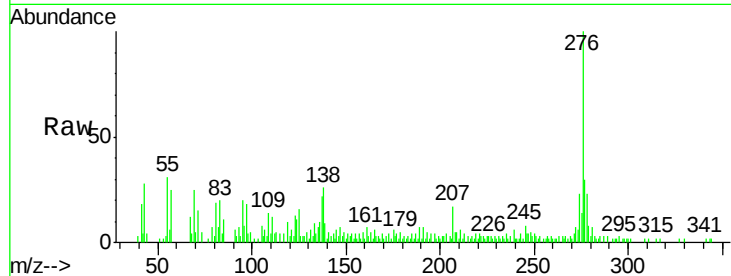
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.549 ng
RT: 17.28 min Scan# 2583
Delta R.T. -0.02 min
Lab File: BF103937.D
Acq: 26 Mar 2018 20:48

Instrument :
BNA_F
ClientSampleId :
PL-02-032318-C

Tot Ion	Ratio	Lower	Upper
276	100		
138	26.5	25.0	37.6
277	25.2	20.1	30.1

Manual Integrations
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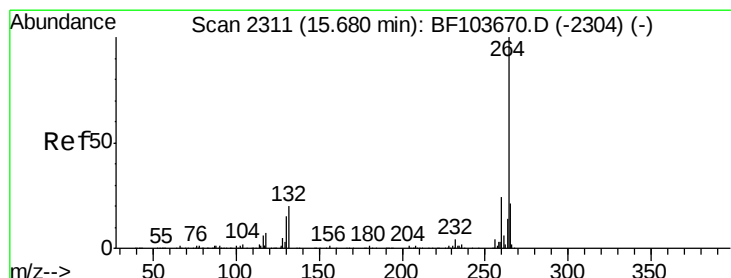
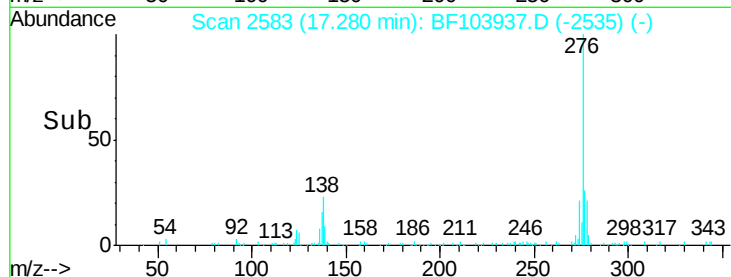
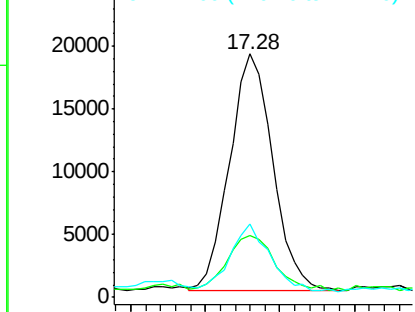


Abundance

Ion 276.00 (275.70 to 276.70): E

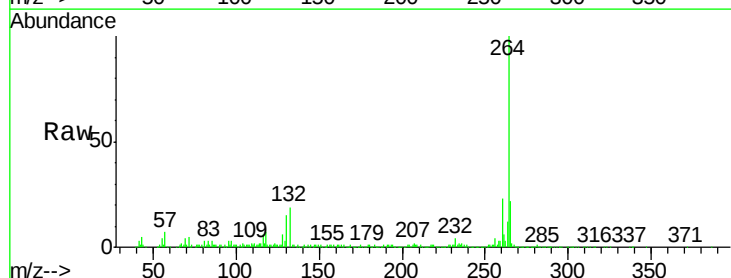
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2315
Delta R.T. -0.01 min
Lab File: BF103937.D
Acq: 26 Mar 2018 20:48

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	21.5	17.5	26.3

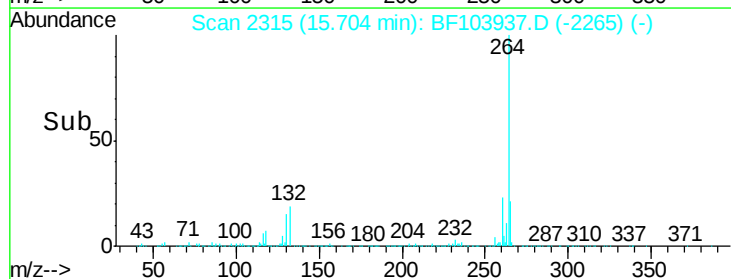
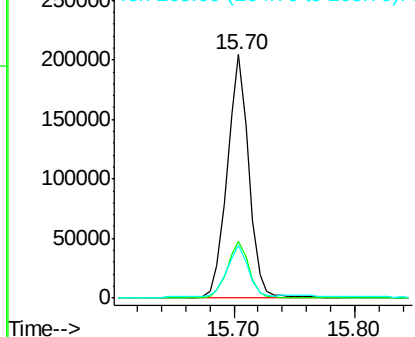


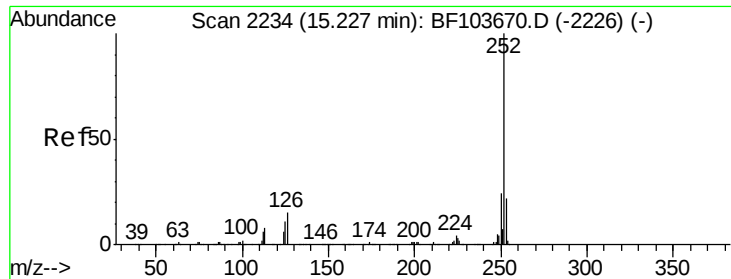
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 7.349 ng m

RT: 15.24 min Scan# 2236

Delta R.T. -0.01 min

Lab File: BF103937.D

Acq: 26 Mar 2018 20:48

Instrument :

BNA_F

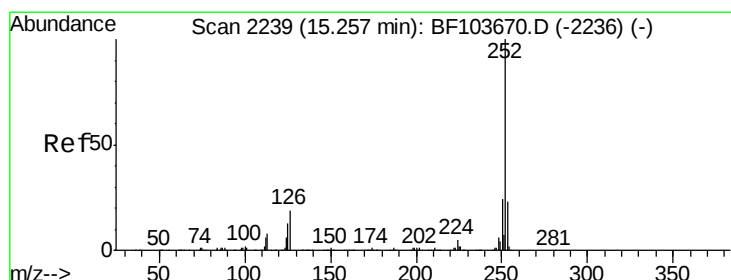
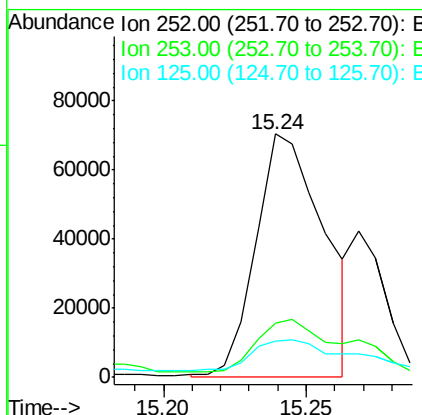
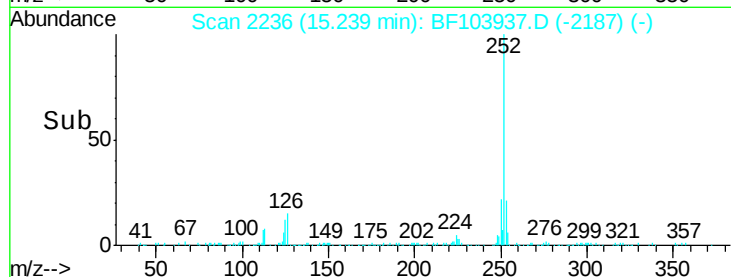
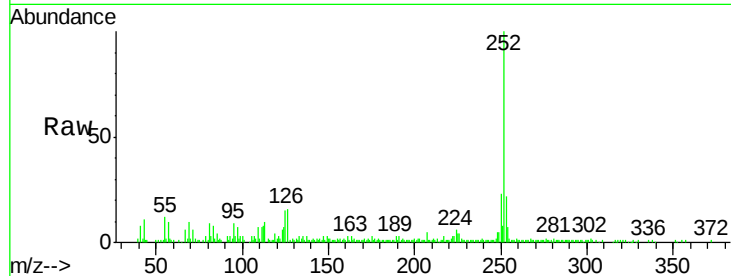
ClientSampleId :

PL-02-032318-C

Tot Ion:	252	Resp:	116899
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.0	25.6
125	14.7	9.0	13.6#

Manual Integrations
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Sohil
3/27/2018 2:15:40 PM



#88

Benzo(k)fluoranthene

Concen: 2.347 ng m

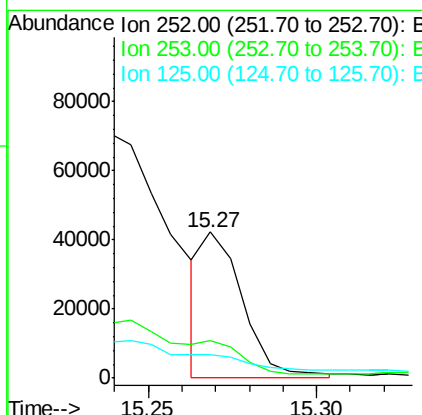
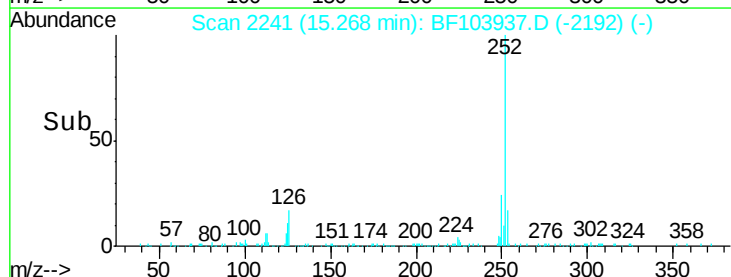
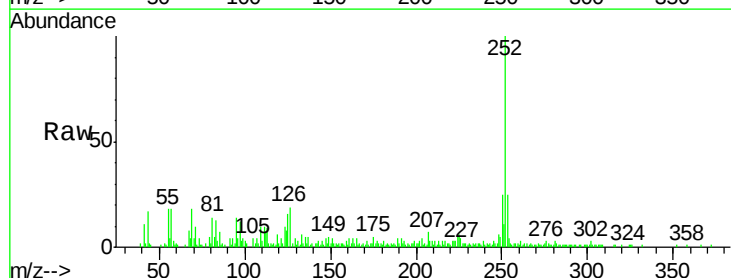
RT: 15.27 min Scan# 2241

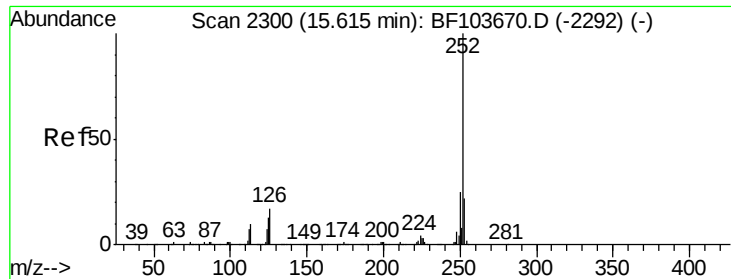
Delta R.T. -0.01 min

Lab File: BF103937.D

Acq: 26 Mar 2018 20:48

Tgt Ion:	252	Resp:	35891
Ion Ratio	Lower	Upper	
252	100		
253	25.3	17.9	26.9
125	16.0	10.2	15.2#





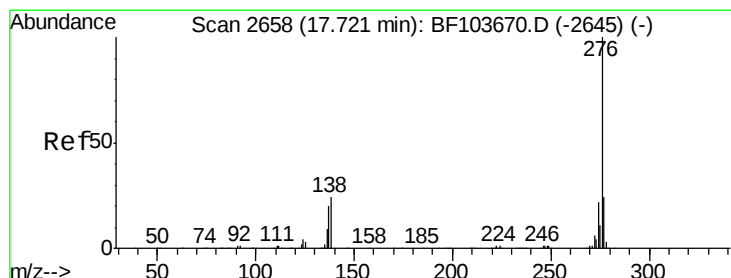
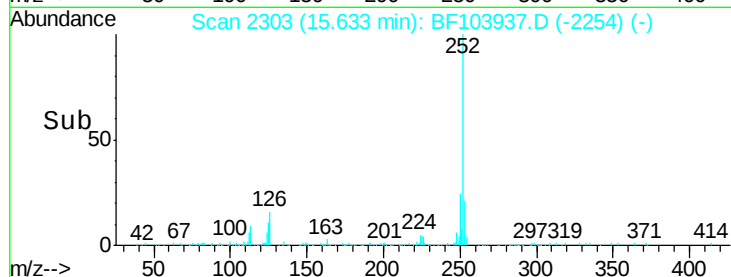
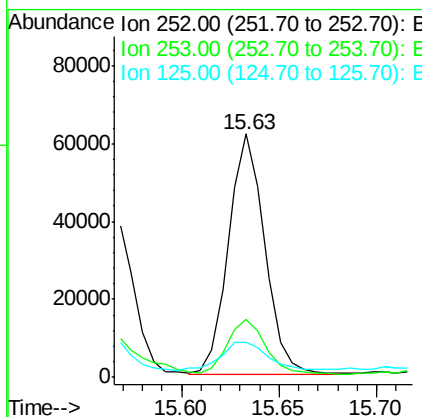
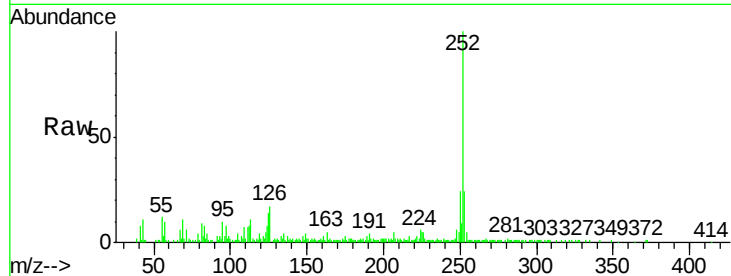
#89
Benzo(a)pyrene
Concen: 5.523 ng
RT: 15.63 min Scan# 2303
Delta R.T. -0.01 min
Lab File: BF103937.D
Acq: 26 Mar 2018 20:48

Instrument :
BNA_F
ClientSampleId :
PL-02-032318-C

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.1	25.7
125	14.5	9.8	14.6

Manual Integrations
APPROVED

Sohil
3/27/2018 2:15:40 PM



#91
Benzo(g,h,i)perylene
Concen: 2.917 ng
RT: 17.76 min Scan# 2665
Delta R.T. -0.02 min
Lab File: BF103937.D
Acq: 26 Mar 2018 20:48

Tgt Ion	Ratio	Lower	Upper
276	100		
277	28.5	17.9	26.9#
138	26.8	21.8	32.8

