

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040318\
 Data File : BF104221.D
 Acq On : 4 Apr 2018 11:32
 Operator : JU/SJ
 Sample : J2182-17DL 2X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 6-WM-DIP-7-WW(1-5)DL

Manual Integrations
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Sohil
 4/4/2018 4:10:34 PM

Quant Time: Apr 04 12:33:05 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 03 15:22:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	127299	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	572028	20.00	ng	0.00
38) Acenaphthene-d10	9.99	164	261205	20.00	ng	-0.01
63) Phenanthrene-d10	11.49	188	418591	20.00	ng	0.00
75) Chrysene-d12	14.17	240	230185	20.00	ng	0.01
86) Perylene-d12	15.73	264	246126	20.00	ng	0.04

System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	342185	42.87	ng	0.00
7) Phenol-d6	6.59	99	493273	50.23	ng	-0.01
23) Nitrobenzene-d5	7.52	82	295356	31.58	ng	-0.01
41) 2,4,6-Tribromophenol	10.79	330	124650	42.86	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	584099	35.26	ng	0.00
78) Terphenyl-d14	13.07	244	448189	44.96	ng	0.00

Target Compounds				Qvalue		
31) Naphthalene	8.26	128	182168	6.519	ng	99
37) 2-Methylnaphthalene	8.95	142	69625	3.782	ng	99
49) Dimethylphthalate	9.70	163	57129	2.770	ng	100
51) Acenaphthene	10.03	154	133502	8.614	ng	97
54) Dibenzofuran	10.20	168	143171	6.326	ng	99
57) Fluorene	10.55	166	261246	13.994	ng	98
70) Phenanthrene	11.52	178	1535881	67.771	ng	99
71) Anthracene	11.57	178	490851	20.735	ng	97
72) Carbazole	11.73	167	185761	8.222	ng	99
74) Fluoranthene	12.72	202	1475181	61.237	ng	99
77) Pyrene	12.95	202	1139889	68.888	ng	99
80) Benzo(a)anthracene	14.16	228	430676	29.902	ng	98
82) Chrysene	14.19	228	419013	29.702	ng	98
85) Indeno(1,2,3-cd)pyrene	17.33	276	170317	11.651	ng	# 90
87) Benzo(b)fluoranthene	15.27	252	424506m	28.340	ng	
88) Benzo(k)fluoranthene	15.30	252	197071m	13.966	ng	
89) Benzo(a)pyrene	15.67	252	329271	23.721	ng	97
90) Dibenzo(a,h)anthracene	17.34	278	36434	2.839	ng	# 76
91) Benzo(a,h,i)perylene	17.81	276	141918	11.040	ng	97

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

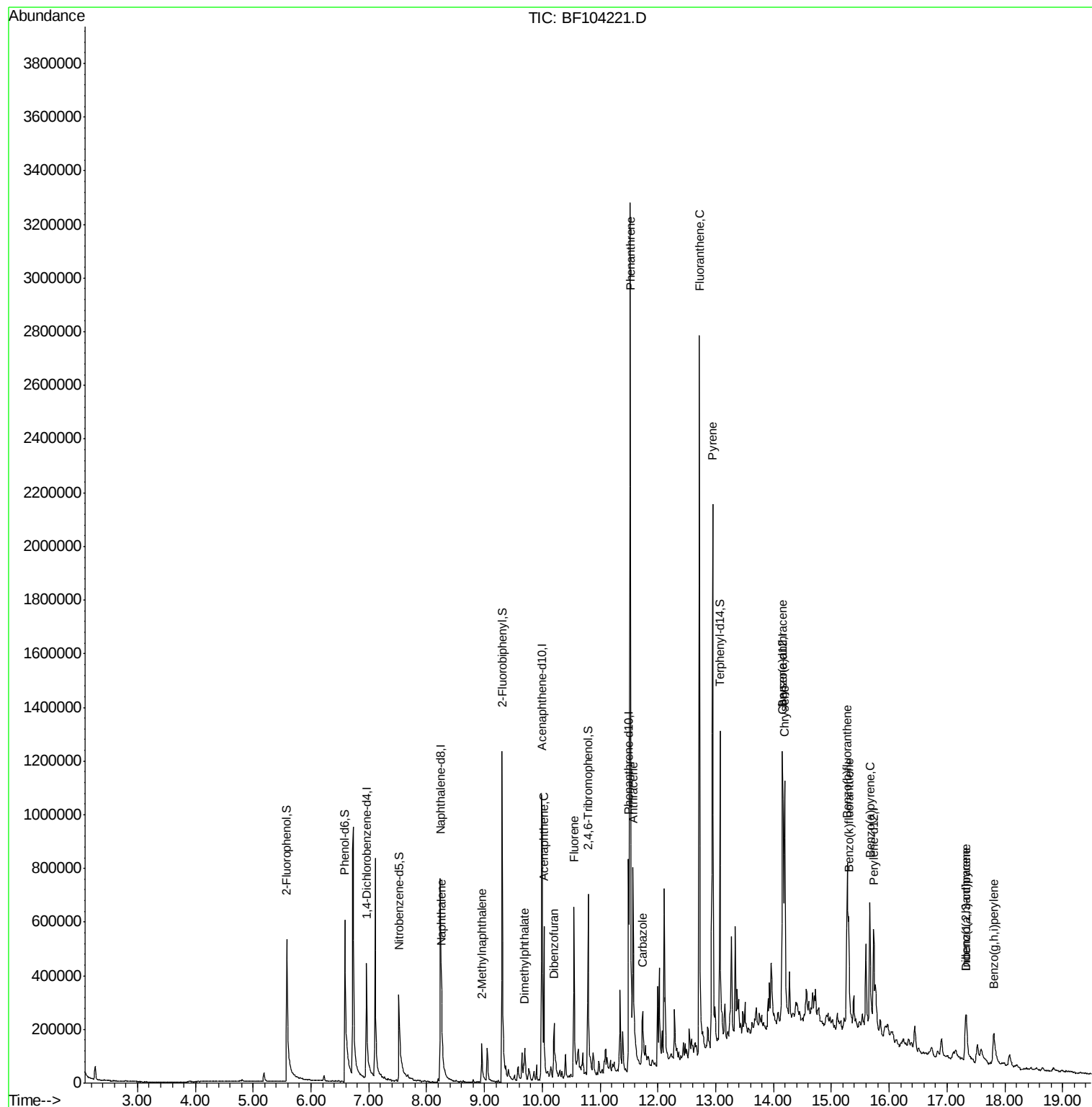
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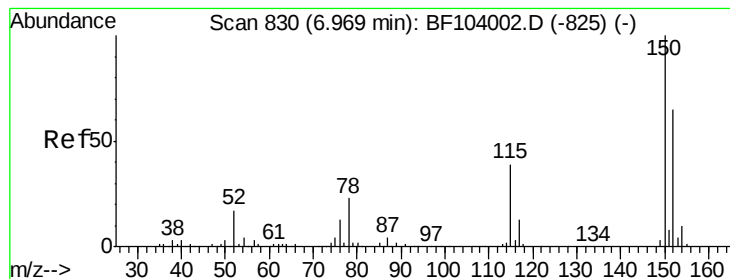
Instrument :
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6-WM-DIP-7-WW(1-5)DL

Manual Integrations
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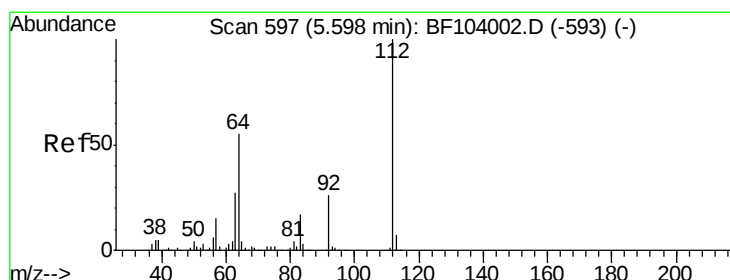
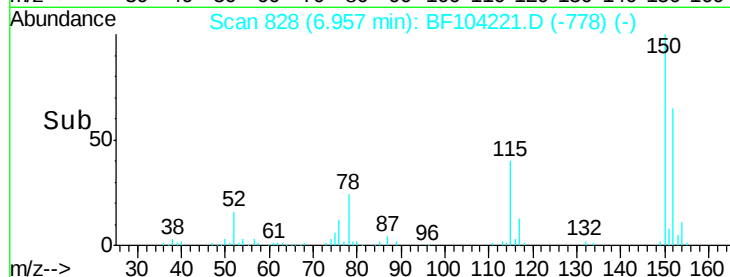
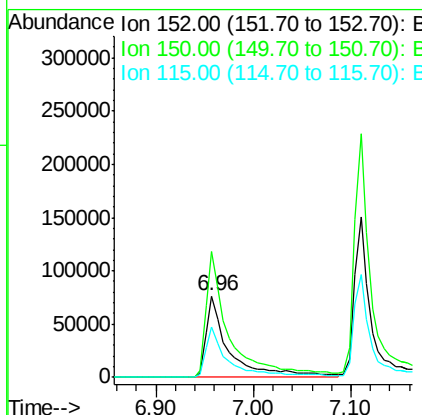
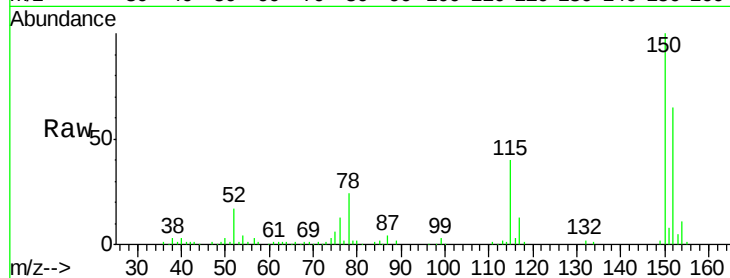
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.96 min Scan# 828
 Delta R.T. -0.01 min
 Lab File: BF104221.D
 Acq: 4 Apr 2018 11:32

Instrument :
 BNA_F
 ClientSampleId :
 6-WM-DIP-7-WW(1-5)DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.3	124.6	186.8
115	62.0	50.1	75.1

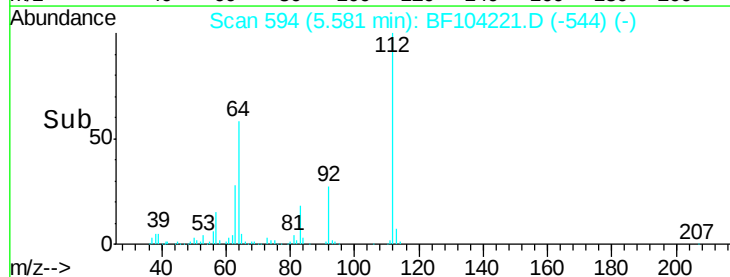
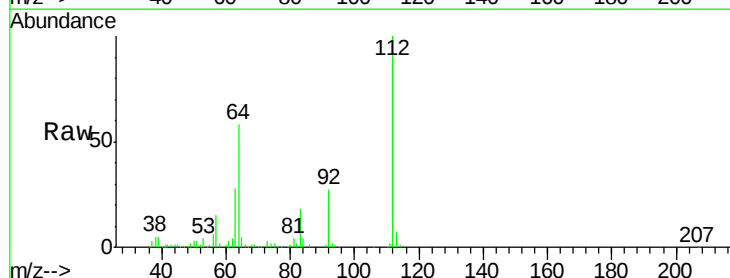
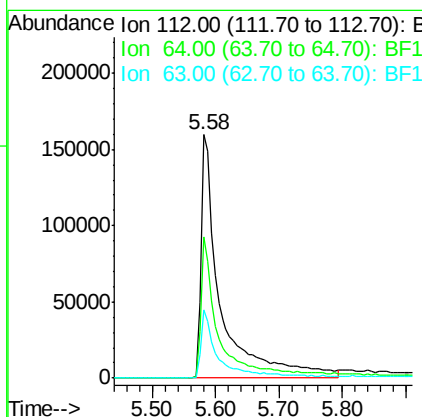
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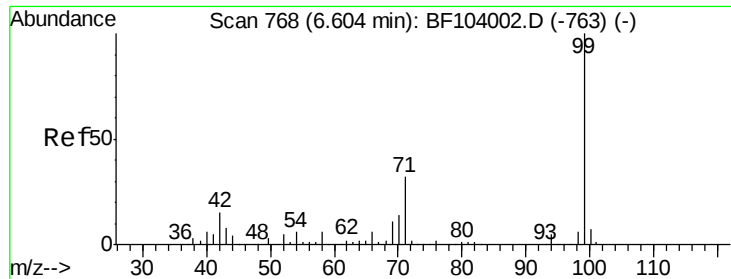
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#5
 2-Fluorophenol
 Concen: 42.867 ng
 RT: 5.58 min Scan# 594
 Delta R.T. -0.01 min
 Lab File: BF104221.D
 Acq: 4 Apr 2018 11:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.7	47.9	71.9
63	28.3	23.7	35.5





#7

Phenol-d6

Concen: 50.228 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.01 min

Lab File: BF104221.D

Acq: 4 Apr 2018 11:32

Instrument :

BNA_F

ClientSampleId :

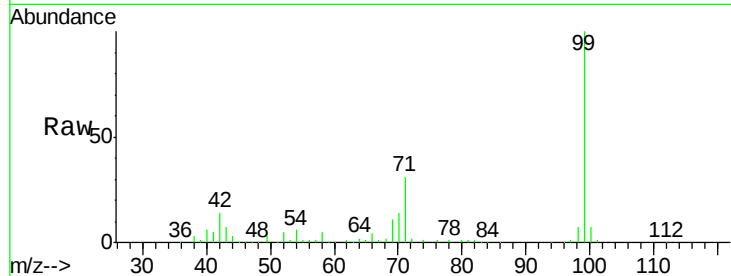
6-WM-DIP-7-WW(1-5)DL

Tot Ion: 99 Resp: 493273

Ion	Ratio	Lower	Upper
99	100		
42	14.4	14.5	21.7#
71	31.2	25.4	38.0

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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1

6.59

250000

200000

150000

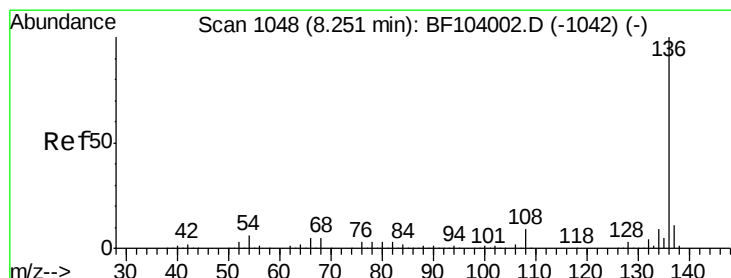
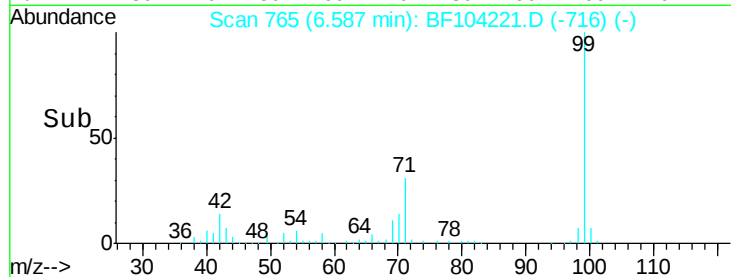
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50000

0

6.50 6.60 6.70 6.80

Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.24 min Scan# 1046

Delta R.T. -0.01 min

Lab File: BF104221.D

Acq: 4 Apr 2018 11:32

Tgt Ion: 136 Resp: 572028

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.9	13.3
54	6.4	6.6	9.8#
68	5.7	5.0	7.4

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

600000

500000

400000

300000

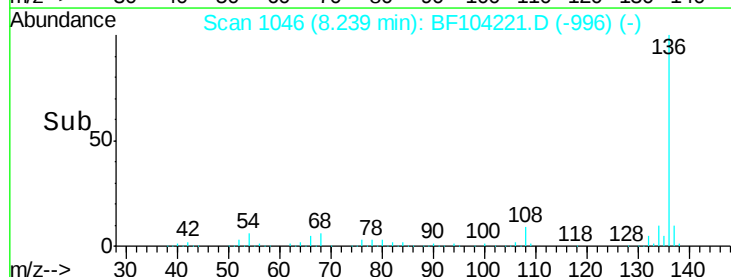
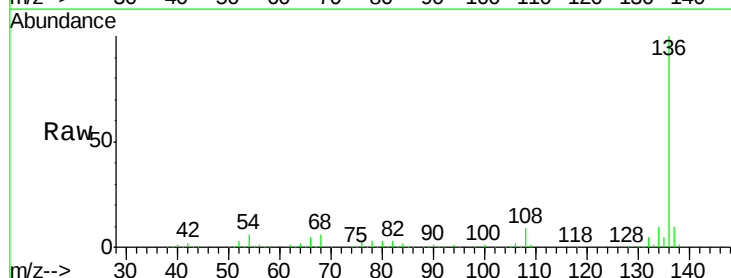
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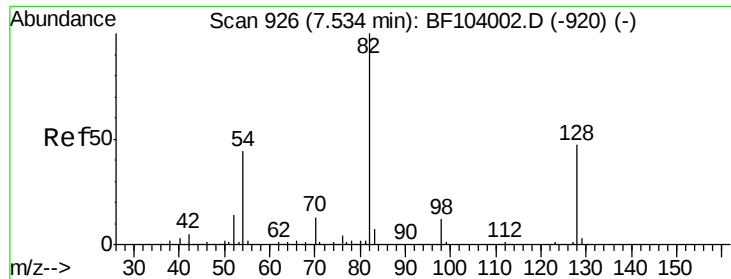
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0

8.20 8.40 8.60

Time-->





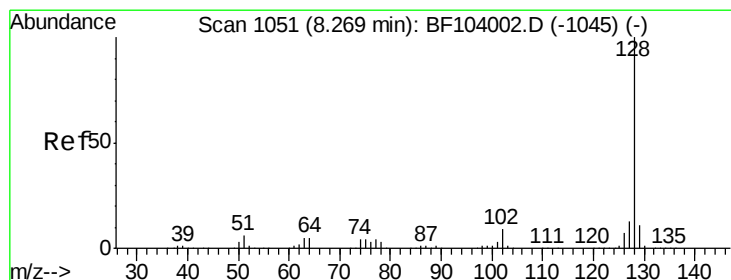
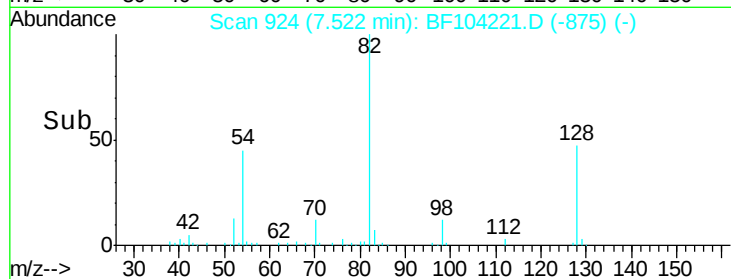
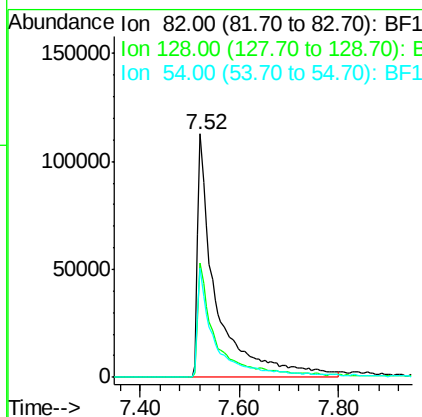
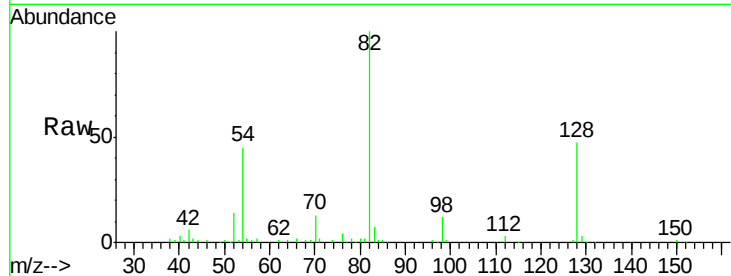
#23
Nitrobenzene-d5
Concen: 31.577 ng
RT: 7.52 min Scan# 924
Delta R.T. -0.01 min
Lab File: BF104221.D
Acq: 4 Apr 2018 11:32

Instrument :
BNA_F
ClientSampleId :
6-WM-DIP-7-WW(1-5)DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.8	36.1	54.1
54	44.9	41.4	62.2

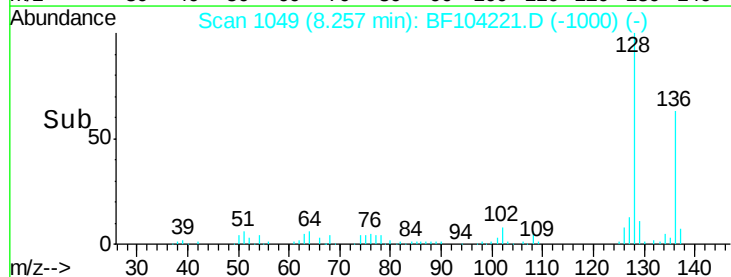
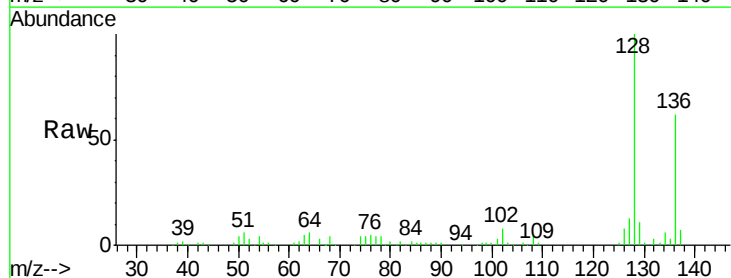
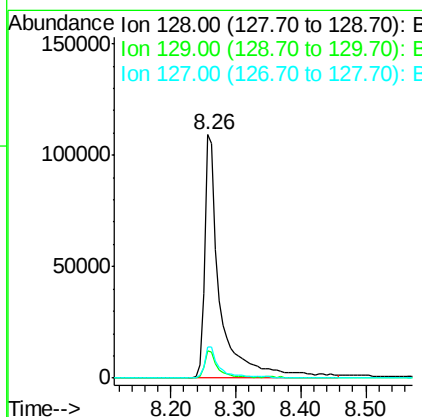
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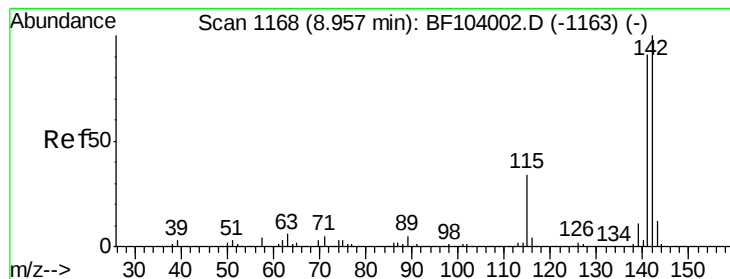
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#31
Naphthalene
Concen: 6.519 ng
RT: 8.26 min Scan# 1049
Delta R.T. -0.01 min
Lab File: BF104221.D
Acq: 4 Apr 2018 11:32

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.8	13.2
127	12.8	10.9	16.3





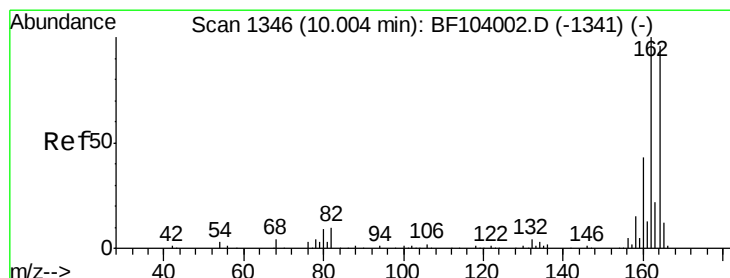
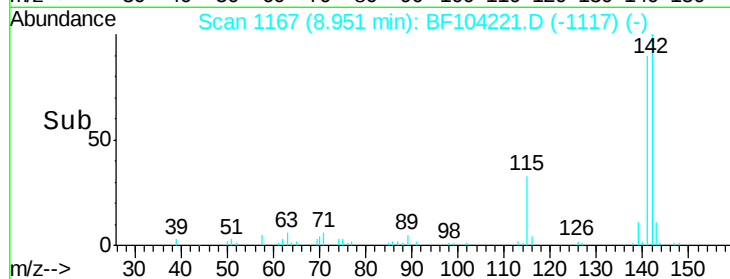
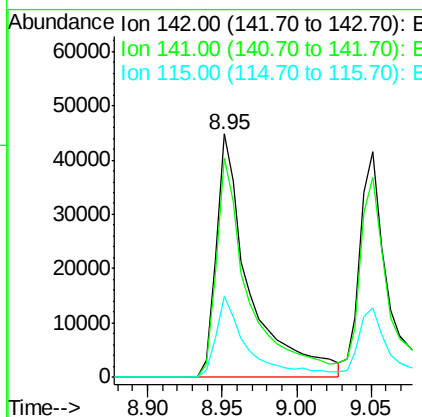
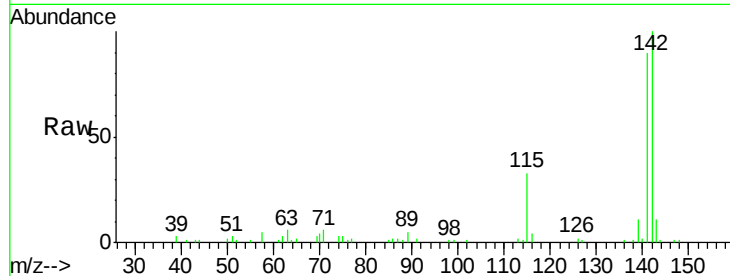
#37
 2-Methylnaphthalene
 Concen: 3.782 ng
 RT: 8.95 min Scan# 1167
 Delta R.T. -0.01 min
 Lab File: BF104221.D
 Acq: 4 Apr 2018 11:32

Instrument :
 BNA_F
 ClientSampleId :
 6-WM-DIP-7-WW(1-5)DL

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.9	70.8	106.2
115	33.2	26.1	39.1

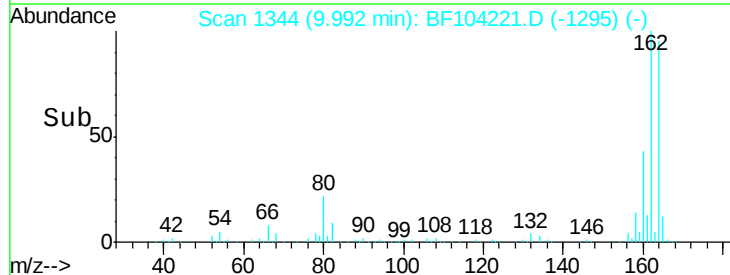
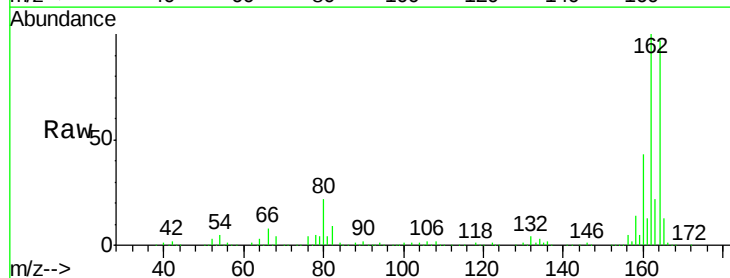
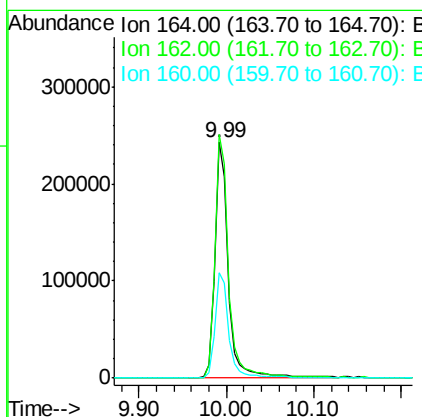
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.99 min Scan# 1344
 Delta R.T. -0.01 min
 Lab File: BF104221.D
 Acq: 4 Apr 2018 11:32

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.3	86.1	129.1
160	44.7	38.3	57.5





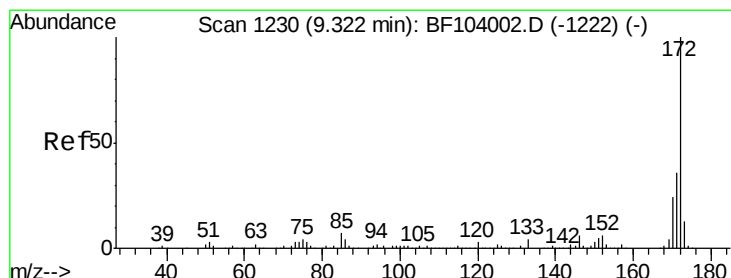
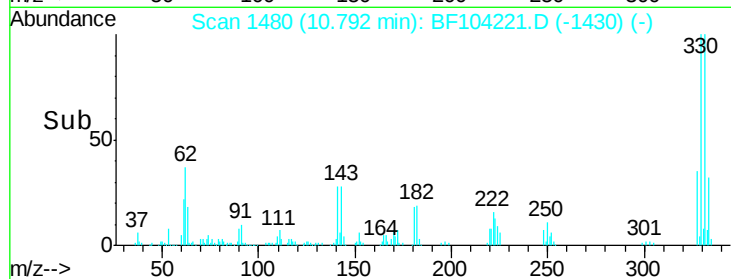
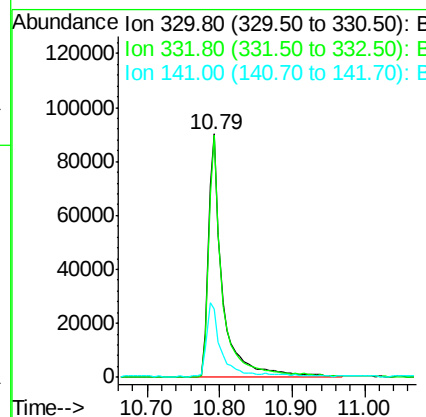
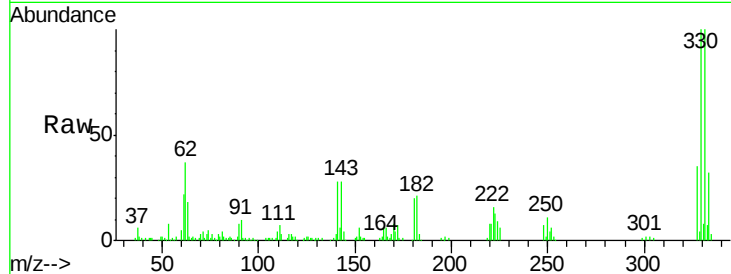
#41
 2,4,6-Tribromophenol
 Concen: 42.857 ng
 RT: 10.79 min Scan# 1480
 Delta R.T. -0.01 min
 Lab File: BF104221.D
 Acq: 4 Apr 2018 11:32

Instrument :
 BNA_F
 ClientSampleId :
 6-WM-DIP-7-WW(1-5)DL

Tot Ion	Ratio	Resp	Lower	Upper
330	100	124650		
332	96.8	77.0	115.6	
141	31.9	29.9	44.9	

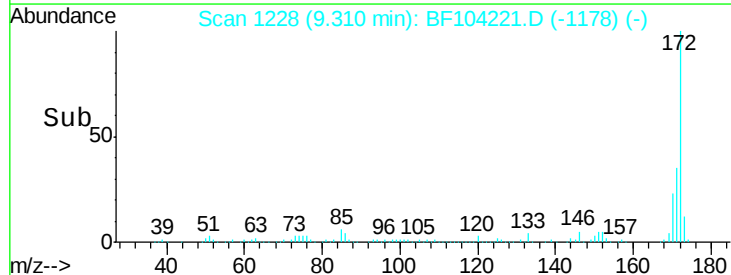
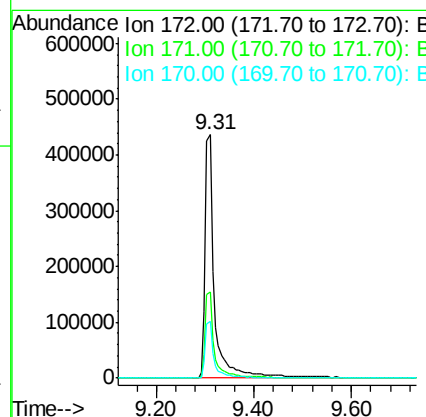
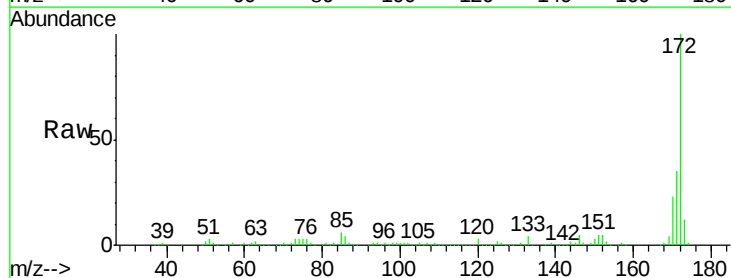
Manual Integrations
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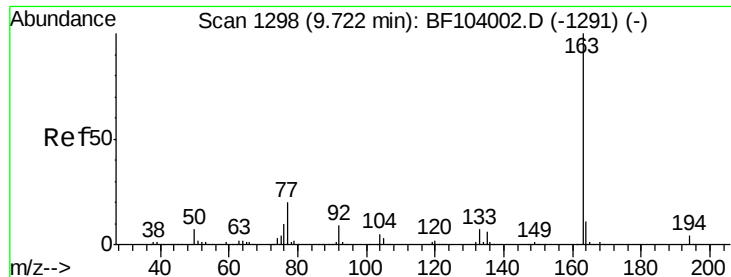
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#44
 2-Fluorobiphenyl
 Concen: 35.263 ng
 RT: 9.31 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: BF104221.D
 Acq: 4 Apr 2018 11:32

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	584099		
171	35.1	29.7	44.5	
170	23.4	19.6	29.4	





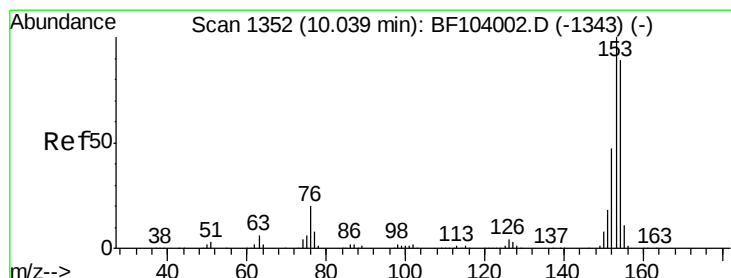
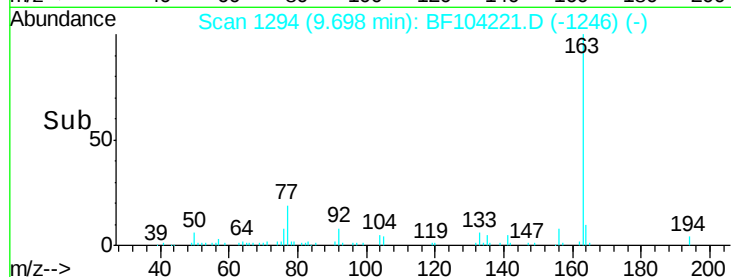
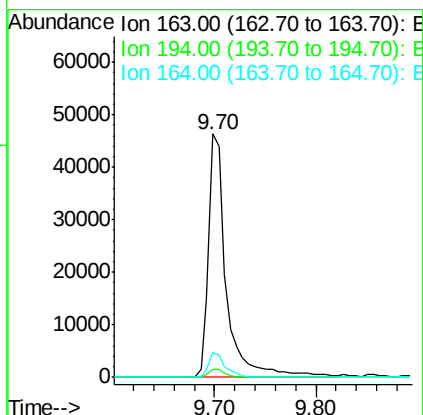
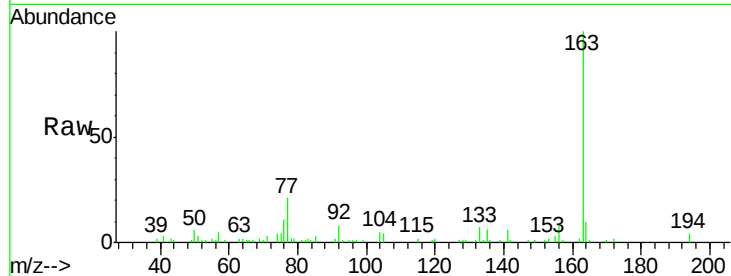
#49
Dimethylphthalate
Concen: 2.770 ng
RT: 9.70 min Scan# 1294
Delta R.T. -0.02 min
Lab File: BF104221.D
Acq: 4 Apr 2018 11:32

Instrument :
BNA_F
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6-WM-DIP-7-WW(1-5)DL

Tot Ion:	163	Resp:	57129
Ion Ratio	Lower	Upper	
163	100		
194	3.5	2.7	4.1
164	10.3	8.2	12.2

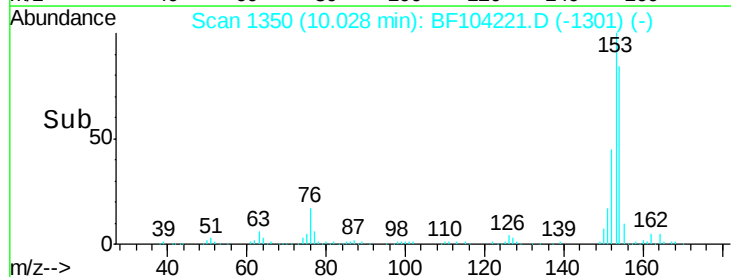
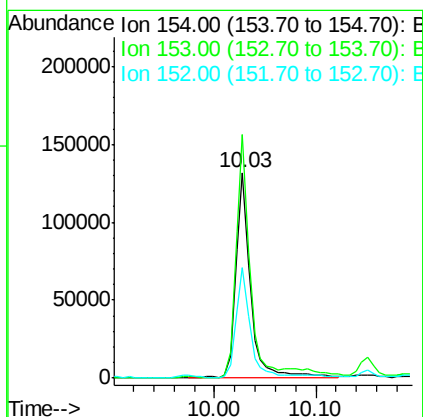
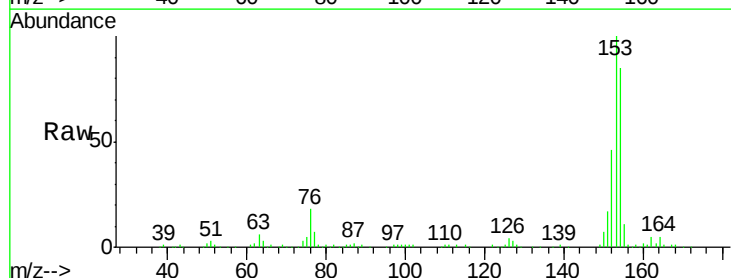
Manual Integrations
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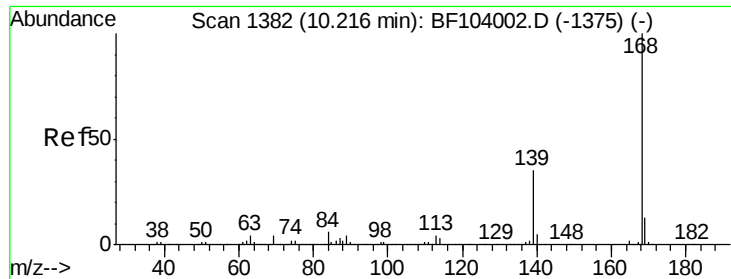
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#51
Acenaphthene
Concen: 8.614 ng
RT: 10.03 min Scan# 1350
Delta R.T. -0.01 min
Lab File: BF104221.D
Acq: 4 Apr 2018 11:32

Tgt Ion:	154	Resp:	133502
Ion Ratio	Lower	Upper	
154	100		
153	118.3	91.2	136.8
152	53.9	43.8	65.8





#54

Dibenzenofuran

Concen: 6.326 ng

RT: 10.20 min Scan# 1380

Delta R.T. -0.01 min

Lab File: BF104221.D

Acq: 4 Apr 2018 11:32

Instrument :

BNA_F

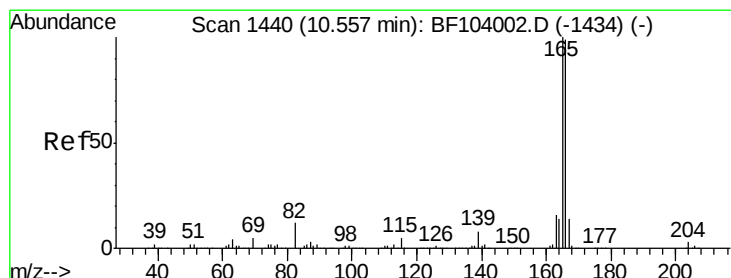
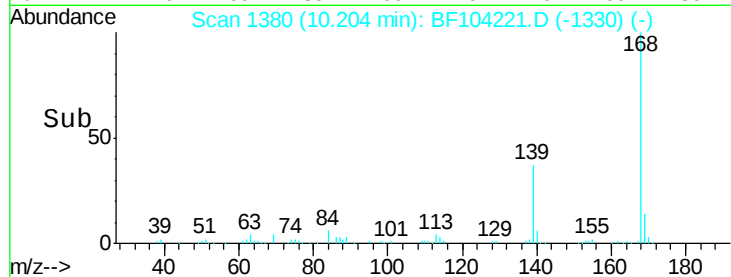
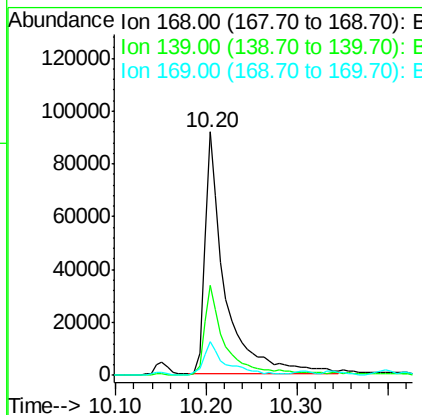
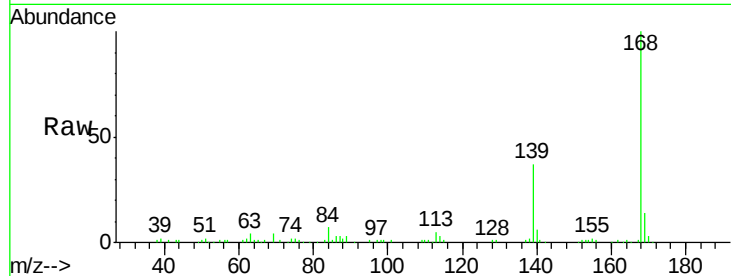
ClientSampleId :

6-WM-DIP-7-WW(1-5)DL

Tot Ion:	168	Resp:	143171
Ion Ratio	Lower	Upper	
168	100		
139	36.8	30.1	45.1
169	13.6	10.9	16.3

Manual Integrations
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#57

Fluorene

Concen: 13.994 ng

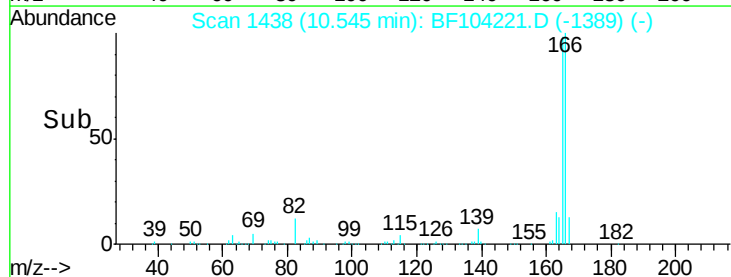
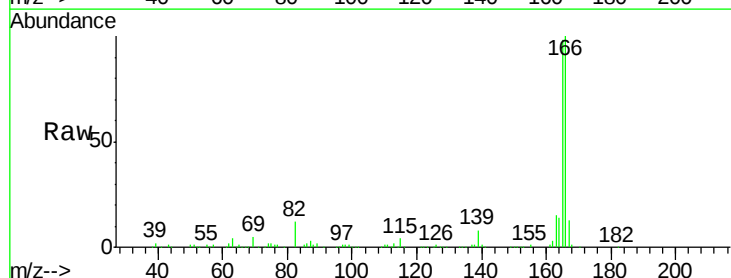
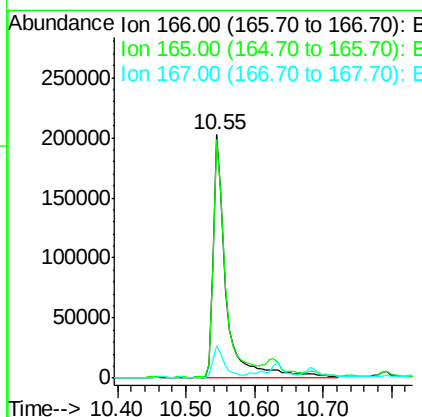
RT: 10.55 min Scan# 1438

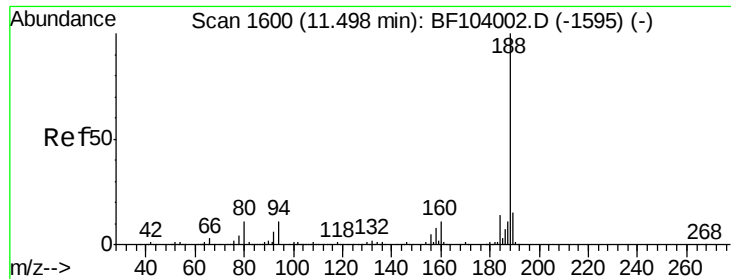
Delta R.T. -0.01 min

Lab File: BF104221.D

Acq: 4 Apr 2018 11:32

Tgt Ion:	166	Resp:	261246
Ion Ratio	Lower	Upper	
166	100		
165	97.9	79.8	119.8
167	13.4	10.6	16.0





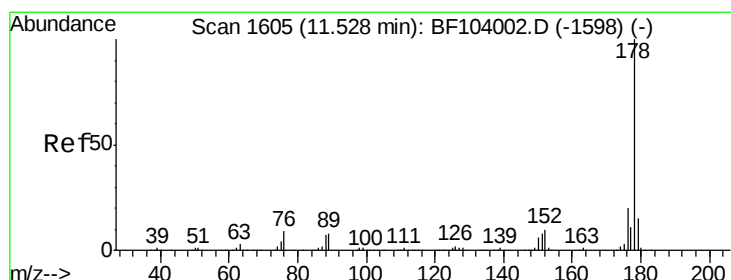
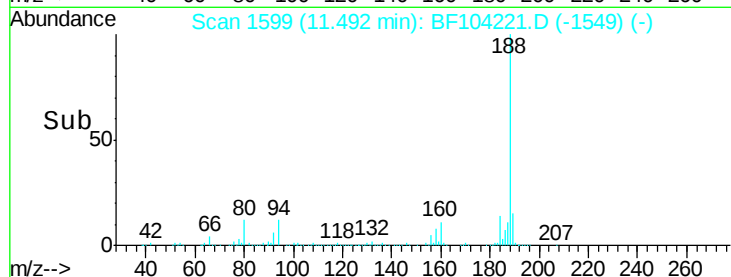
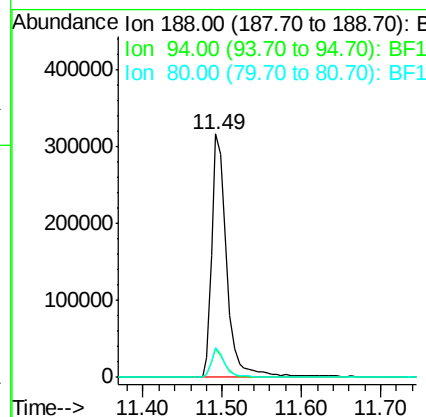
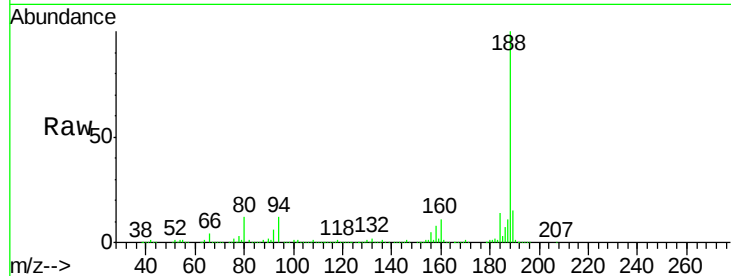
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: BF104221.D
Acq: 4 Apr 2018 11:32

Instrument :
BNA_F
ClientSampleId :
6-WM-DIP-7-WW(1-5)DL

Tot Ion	Ratio	Resp	Lower	Upper
188	100	418591		
94	11.5		8.5	12.7
80	12.1		9.2	13.8

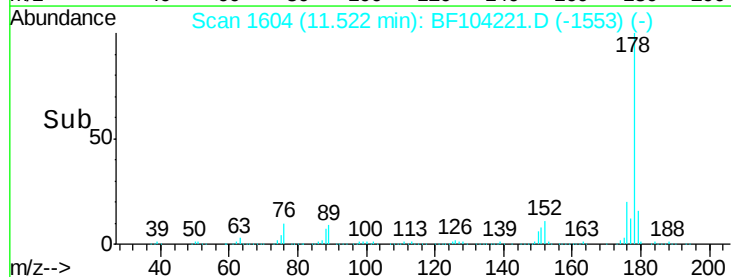
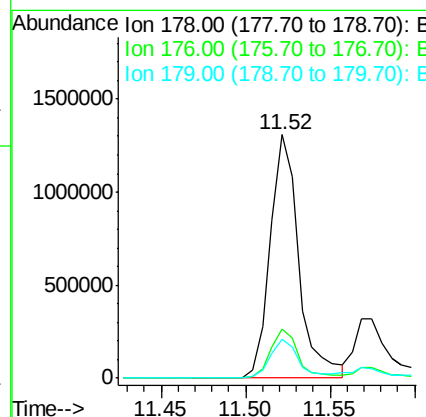
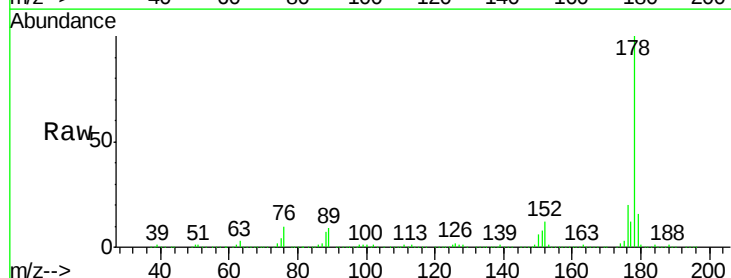
Manual Integrations
APPROVED

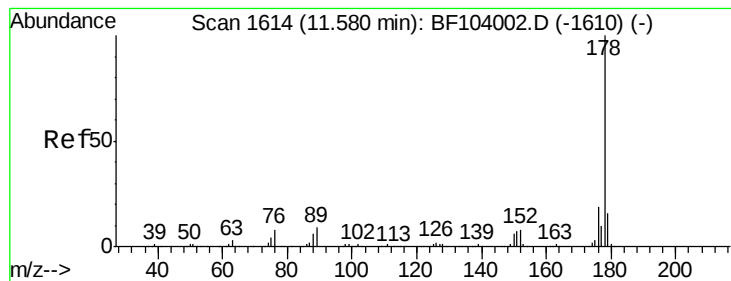
Sohil
4/4/2018 4:10:34 PM



#70
Phenanthrene
Concen: 67.771 ng
RT: 11.52 min Scan# 1604
Delta R.T. 0.00 min
Lab File: BF104221.D
Acq: 4 Apr 2018 11:32

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1535881		
176	20.0		15.8	23.8
179	16.1		13.0	19.6





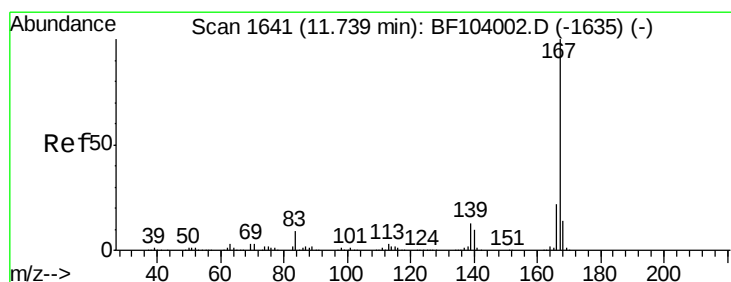
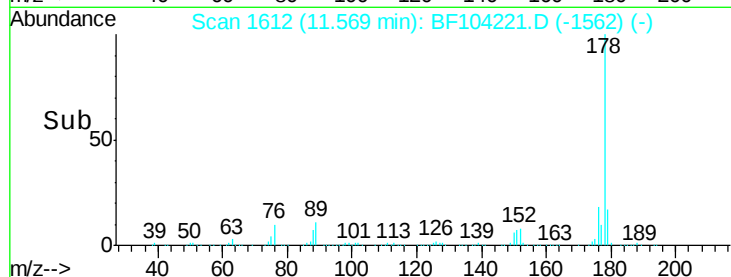
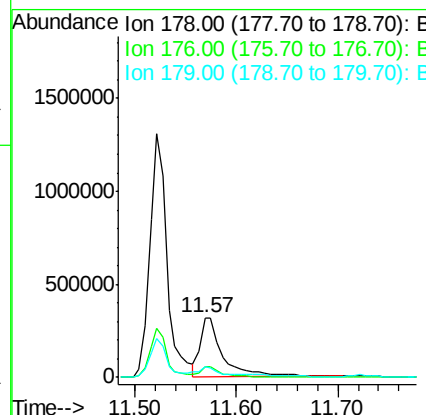
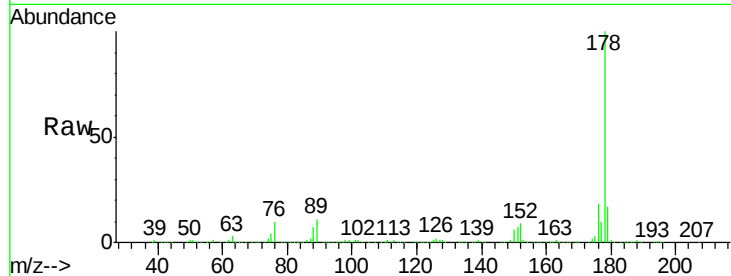
#71
 Anthracene
 Concen: 20.735 ng
 RT: 11.57 min Scan# 1612
 Delta R.T. -0.01 min
 Lab File: BF104221.D
 Acq: 4 Apr 2018 11:32

Instrument :
 BNA_F
 ClientSampleId :
 6-WM-DIP-7-WW(1-5)DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.4	23.2
179	17.1	12.6	19.0

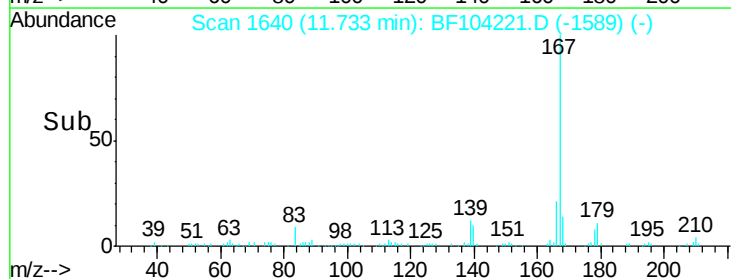
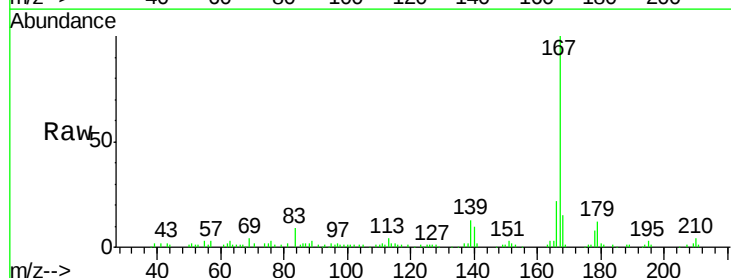
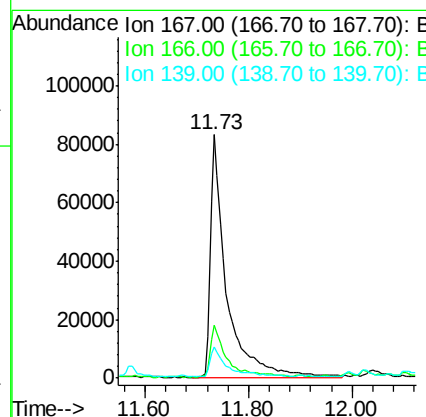
Manual Integrations
 APPROVED

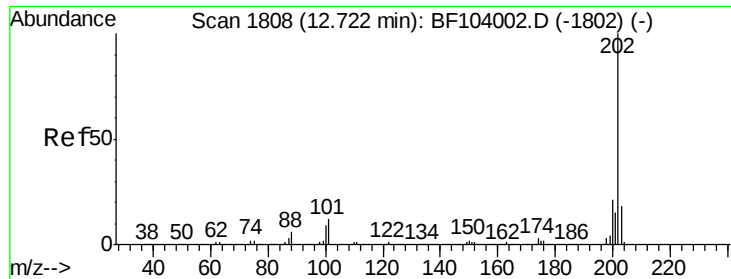
Sohil
 4/4/2018 4:10:34 PM



#72
 Carbazole
 Concen: 8.222 ng
 RT: 11.73 min Scan# 1640
 Delta R.T. 0.00 min
 Lab File: BF104221.D
 Acq: 4 Apr 2018 11:32

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.6	26.4
139	12.7	10.9	16.3





#74

Fluoranthene

Concen: 61.237 ng

RT: 12.72 min Scan# 1807

Delta R.T. 0.00 min

Lab File: BF104221.D

Acq: 4 Apr 2018 11:32

Instrument :

BNA_F

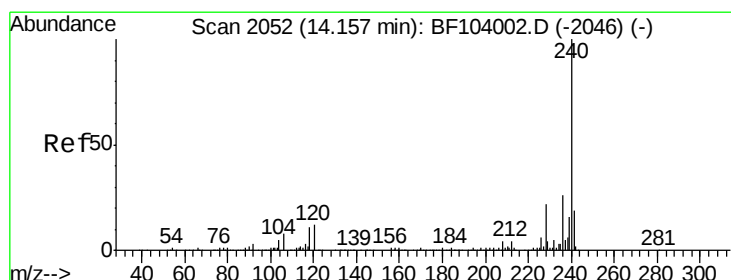
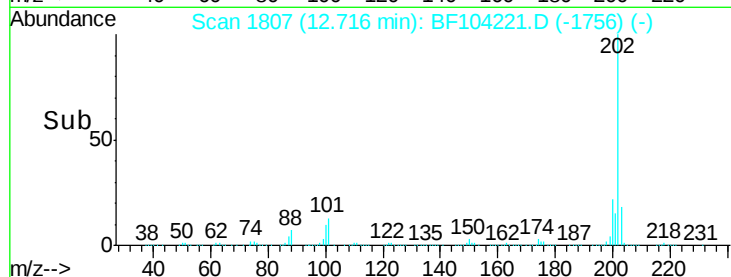
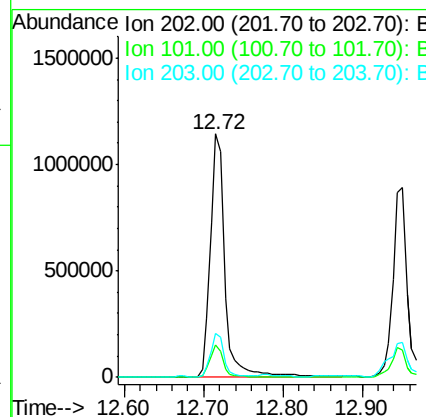
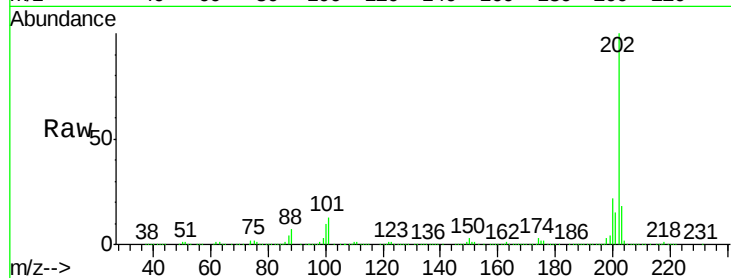
ClientSampleId :

6-WM-DIP-7-WW(1-5)DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		1475181		
101	13.3	0.0	34.1		
203	18.0	0.0	38.1		

Manual Integrations
APPROVED

Sohil
4/4/2018 4:10:34 PM



#75

Chrysene-d12

Concen: 20.000 ng

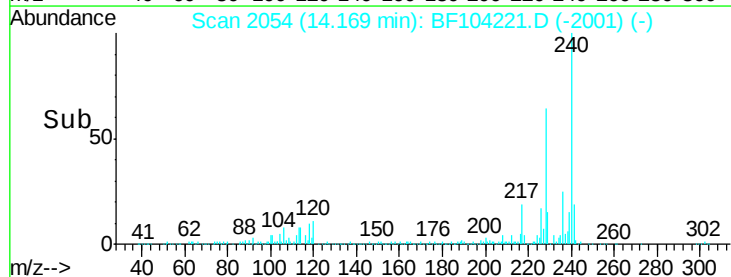
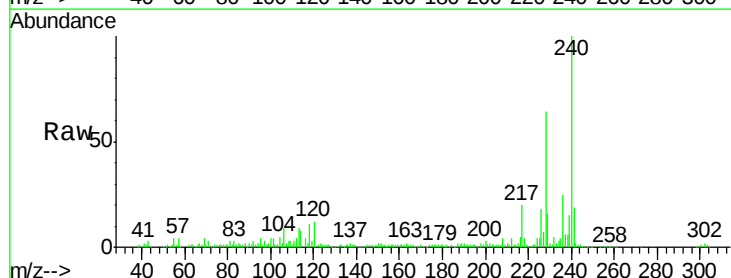
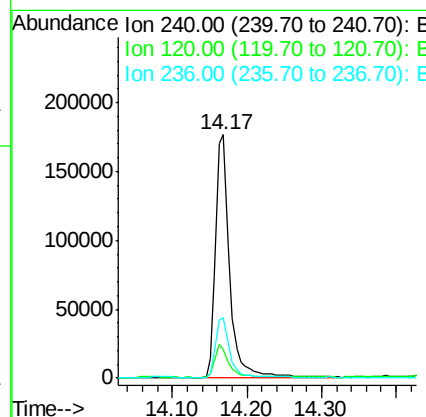
RT: 14.17 min Scan# 2054

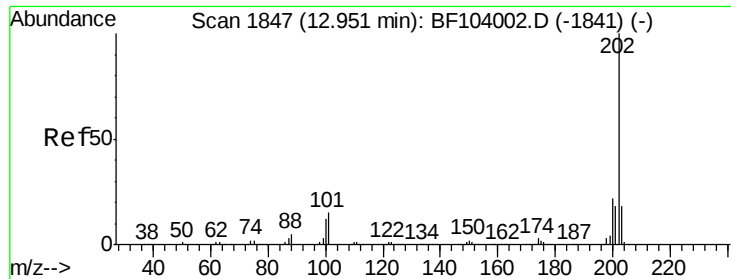
Delta R.T. 0.01 min

Lab File: BF104221.D

Acq: 4 Apr 2018 11:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		230185		
120	11.7	9.5	14.3		
236	24.7	20.7	31.1		





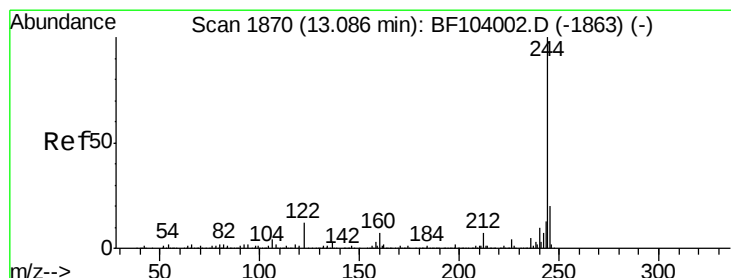
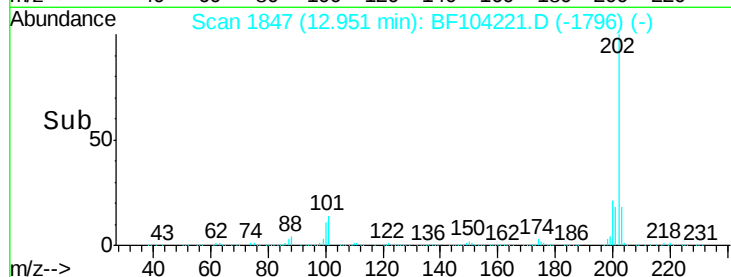
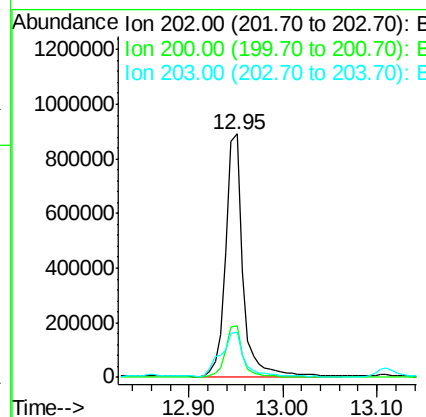
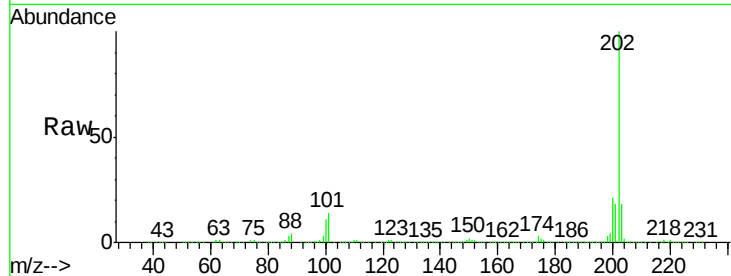
#77
Pvrene
Concen: 68.888 ng
RT: 12.95 min Scan# 1847
Delta R.T. 0.00 min
Lab File: BF104221.D
Acq: 4 Apr 2018 11:32

Instrument :
BNA_F
ClientSampleId :
6-WM-DIP-7-WW(1-5)DL

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.4	26.2
203	18.4	14.3	21.5

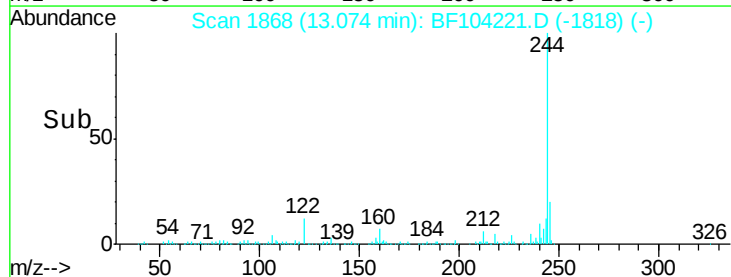
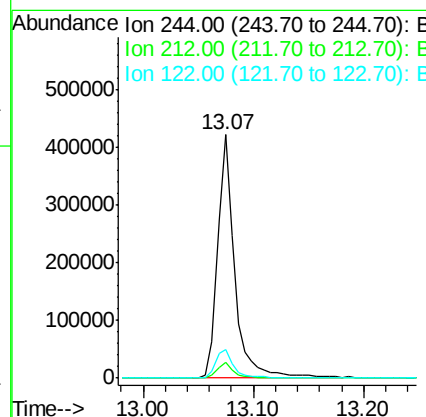
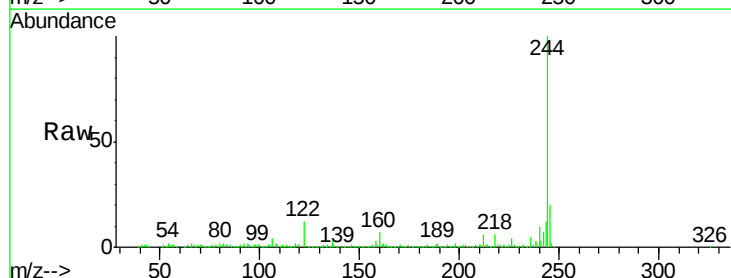
Manual Integrations
APPROVED

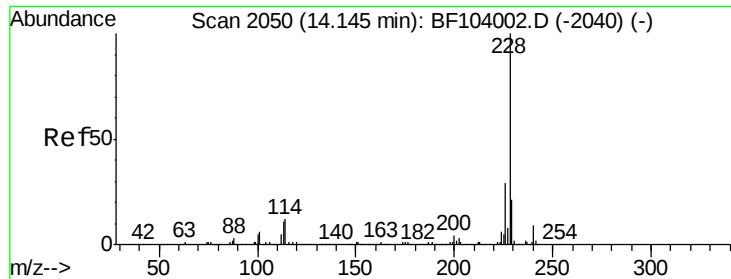
Sohil
4/4/2018 4:10:34 PM



#78
Terphenyl-d14
Concen: 44.957 ng
RT: 13.07 min Scan# 1868
Delta R.T. -0.01 min
Lab File: BF104221.D
Acq: 4 Apr 2018 11:32

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.0
122	11.9	11.0	16.4





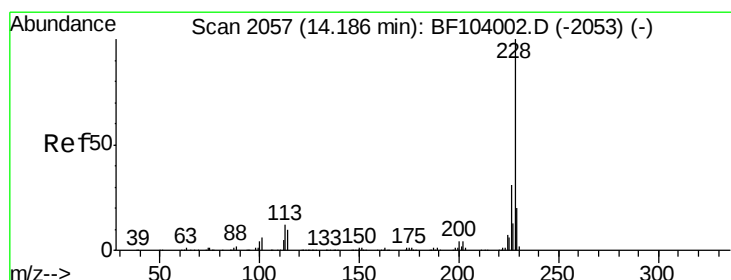
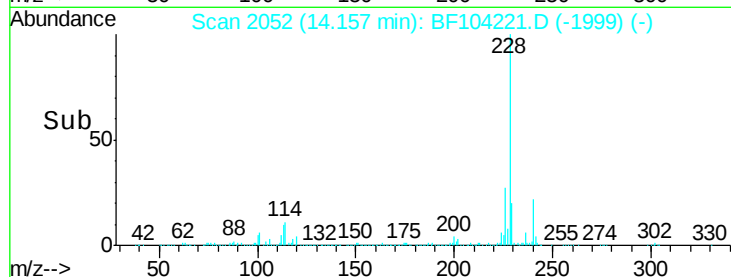
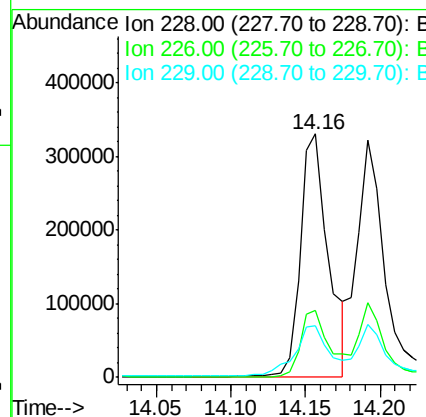
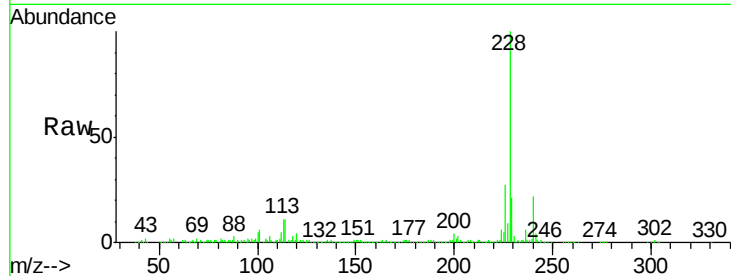
#80
Benzo(a)anthracene
Concen: 29.902 ng
RT: 14.16 min Scan# 2052
Delta R.T. 0.01 min
Lab File: BF104221.D
Acq: 4 Apr 2018 11:32

Instrument :
BNA_F
ClientSampleId :
6-WM-DIP-7-WW(1-5)DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.6	33.8
229	21.0	15.8	23.6

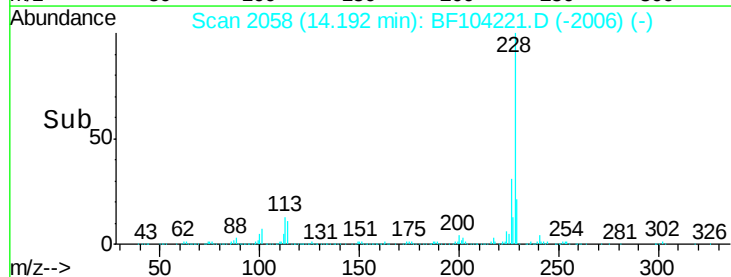
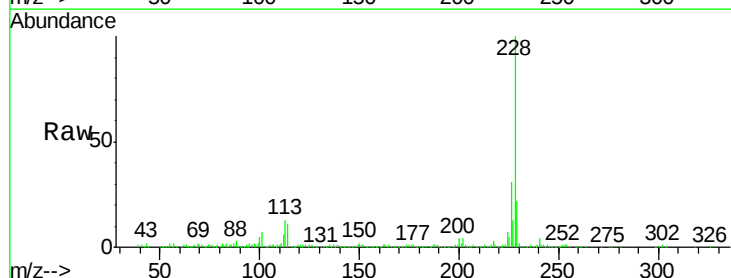
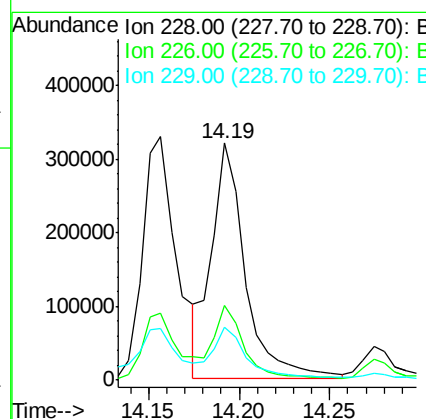
Manual Integrations
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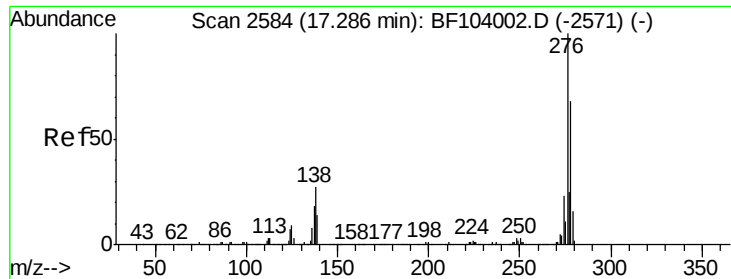
Sohil
4/4/2018 4:10:34 PM



#82
Chrysene
Concen: 29.702 ng
RT: 14.19 min Scan# 2058
Delta R.T. 0.01 min
Lab File: BF104221.D
Acq: 4 Apr 2018 11:32

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	25.0	37.6
229	22.1	16.2	24.4





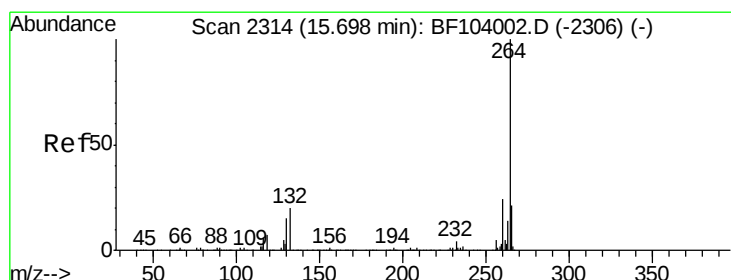
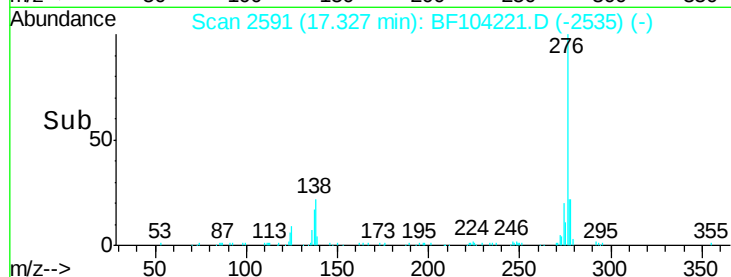
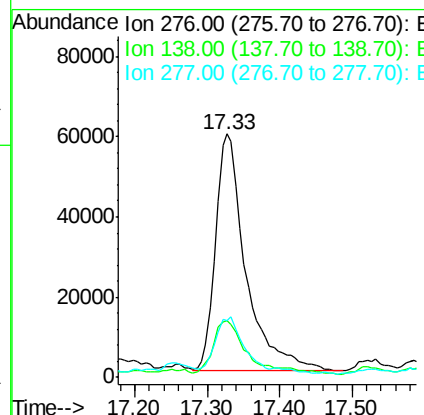
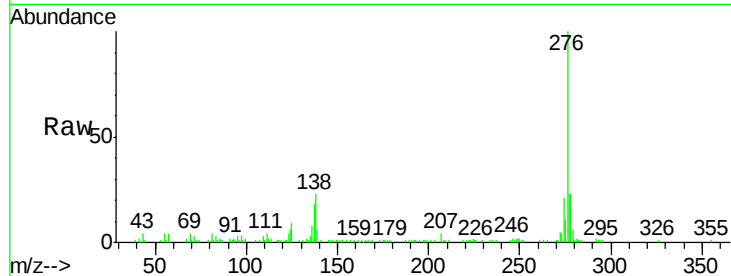
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 11.651 ng
 RT: 17.33 min Scan# 2591
 Delta R.T. 0.03 min
 Lab File: BF104221.D
 Acq: 4 Apr 2018 11:32

Instrument :
 BNA_F
 ClientSampleId :
 6-WM-DIP-7-WW(1-5)DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	26.0	25.0	37.6
277	19.5	20.1	30.1#

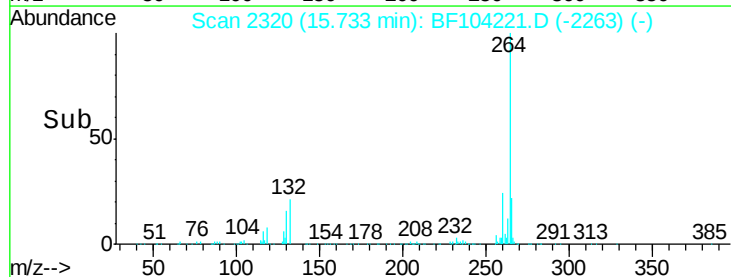
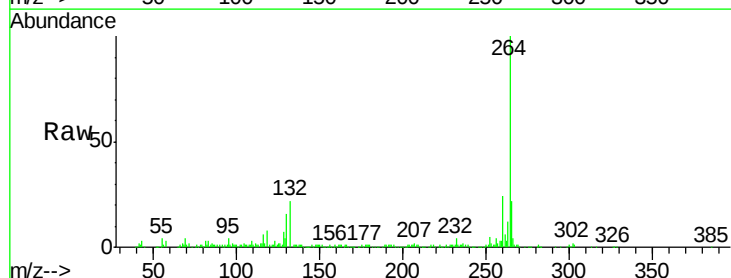
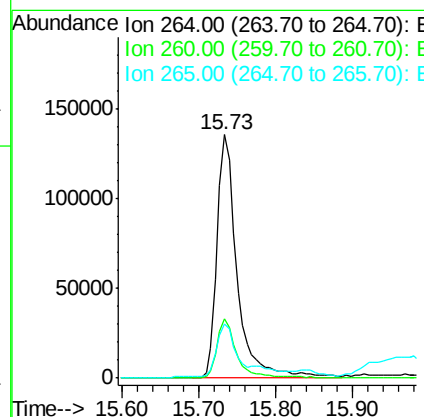
Manual Integrations
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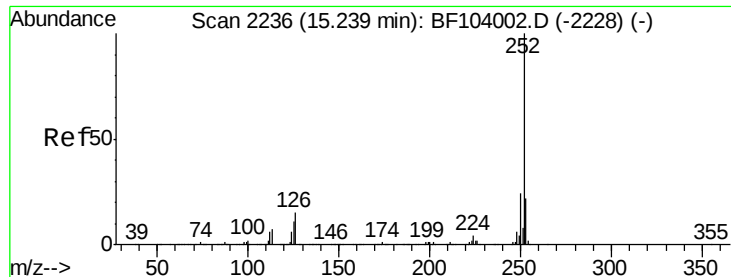
Sohil
 4/4/2018 4:10:34 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.73 min Scan# 2320
 Delta R.T. 0.04 min
 Lab File: BF104221.D
 Acq: 4 Apr 2018 11:32

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	22.2	17.5	26.3





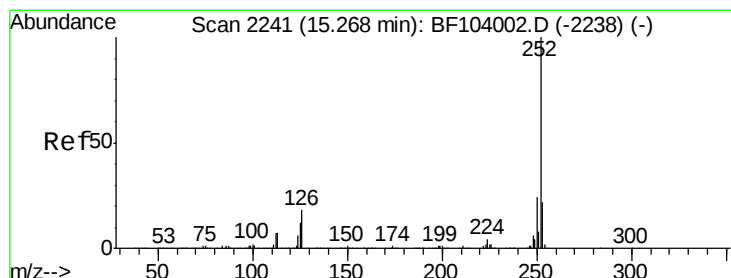
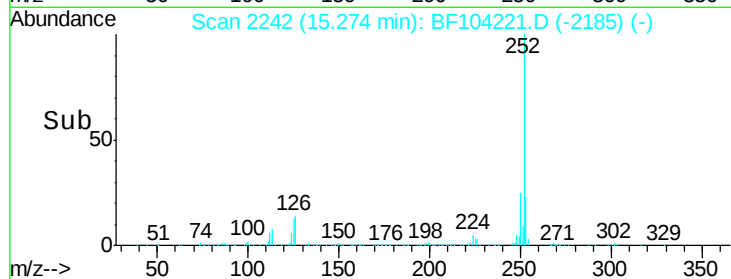
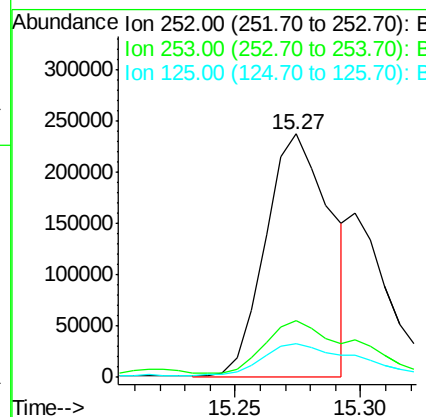
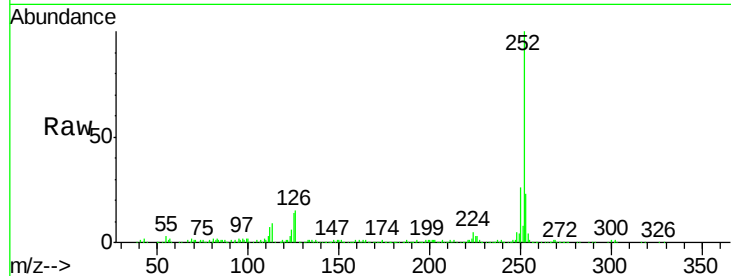
#87
Benzo(b)fluoranthene
Concen: 28.340 ng m
RT: 15.27 min Scan# 2242
Delta R.T. 0.04 min
Lab File: BF104221.D
Acq: 4 Apr 2018 11:32

Instrument :
BNA_F
ClientSampleId :
6-WM-DIP-7-WW(1-5)DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.0	25.6
125	13.9	9.0	13.6

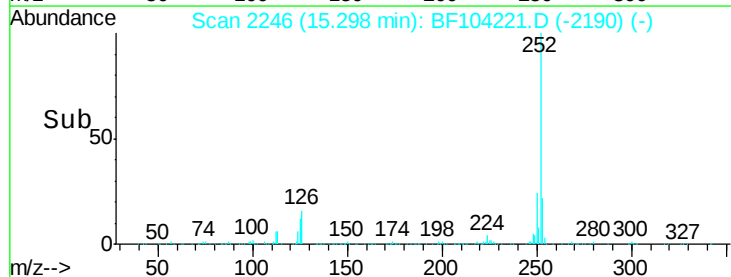
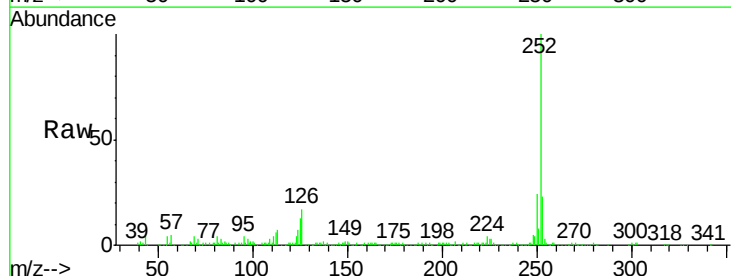
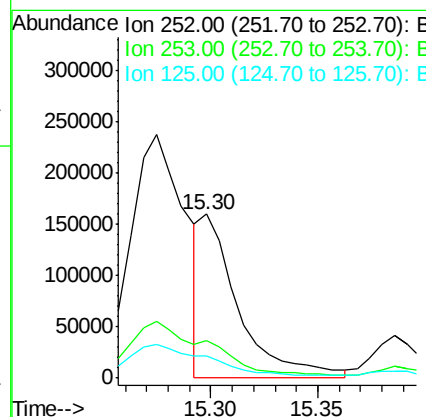
Manual Integrations
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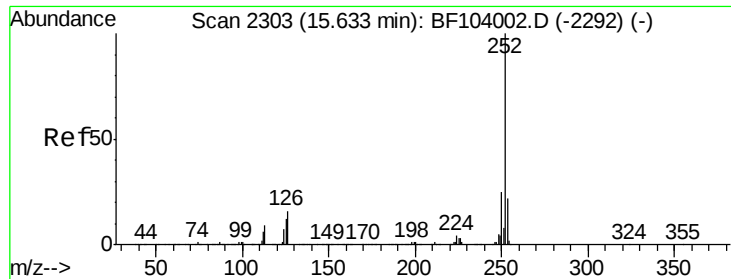
Sohil
4/4/2018 4:10:34 PM



#88
Benzo(k)fluoranthene
Concen: 13.966 ng m
RT: 15.30 min Scan# 2246
Delta R.T. 0.03 min
Lab File: BF104221.D
Acq: 4 Apr 2018 11:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.9	26.9
125	13.5	10.2	15.2





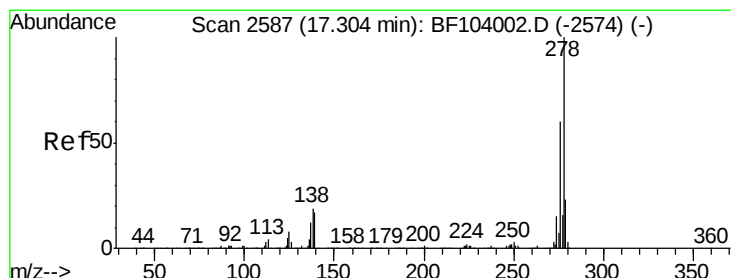
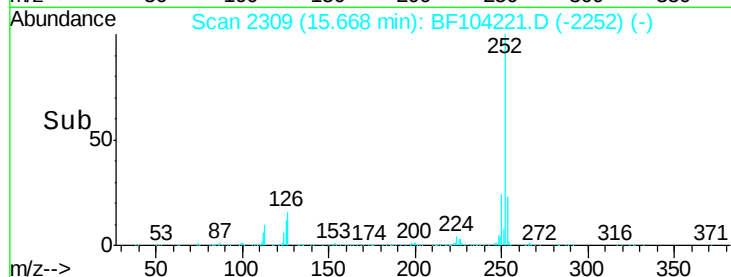
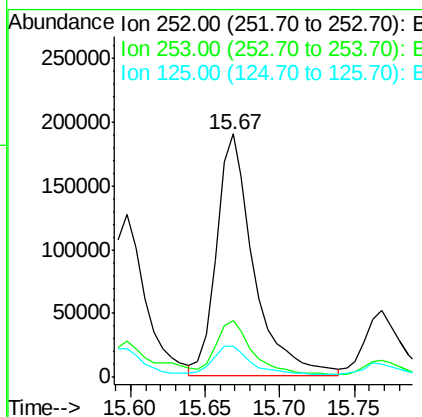
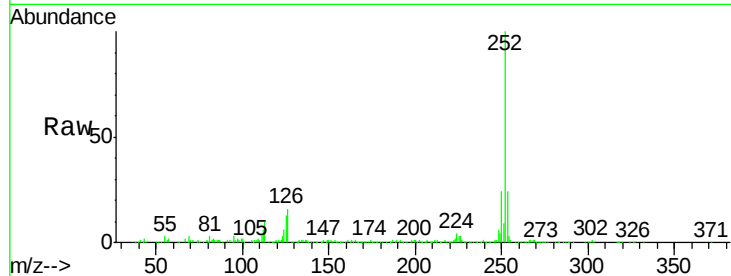
#89
Benzo(a)pyrene
Concen: 23.721 ng
RT: 15.67 min Scan# 2309
Delta R.T. 0.04 min
Lab File: BF104221.D
Acq: 4 Apr 2018 11:32

Instrument :
BNA_F
ClientSampleId :
6-WM-DIP-7-WW(1-5)DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.1	25.7
125	12.6	9.8	14.6

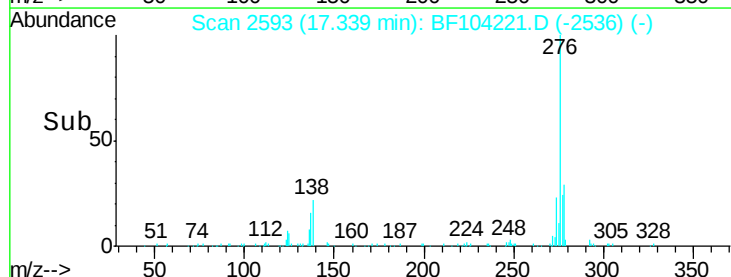
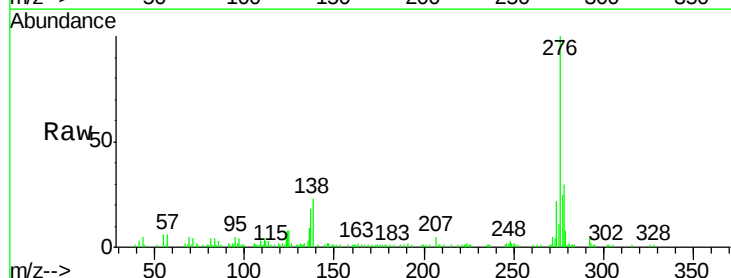
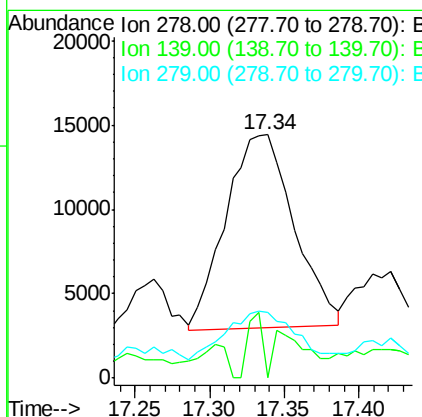
Manual Integrations
APPROVED

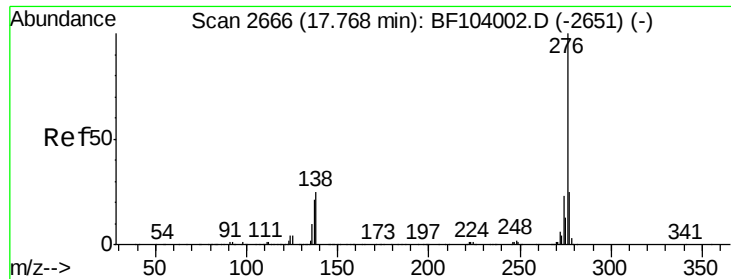
Sohil
4/4/2018 4:10:34 PM



#90
Dibenzo(a,h)anthracene
Concen: 2.839 ng
RT: 17.34 min Scan# 2593
Delta R.T. 0.04 min
Lab File: BF104221.D
Acq: 4 Apr 2018 11:32

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9#
279	27.1	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 11.040 ng
 RT: 17.81 min Scan# 2673
 Delta R.T. 0.03 min
 Lab File: BF104221.D
 Acq: 4 Apr 2018 11:32

Instrument :
 BNA_F
 ClientSampleId :
 6-WM-DIP-7-WW(1-5)DL

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.2	17.9	26.9
138	25.0	21.8	32.8

Manual Integrations
 APPROVED

Sohil
 4/4/2018 4:10:34 PM

