

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040318\
 Data File : BF104220.D
 Acq On : 4 Apr 2018 11:05
 Operator : JU/SJ
 Sample : J2182-19DL 2X
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 6-WM-DIP-8-WW(1-5)DL

Manual Integrations
 APPROVED

Sohil
 4/4/2018 4:10:32 PM

Quant Time: Apr 04 11:46:24 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	121202	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	543191	20.00	ng	0.00
38) Acenaphthene-d10	9.99	164	255230	20.00	ng	-0.01
63) Phenanthrene-d10	11.49	188	423722	20.00	ng	0.00
75) Chrysene-d12	14.15	240	241018	20.00	ng	0.00
86) Perylene-d12	15.69	264	249954	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	305226	40.16	ng	0.00
7) Phenol-d6	6.59	99	419432	44.86	ng	-0.01
23) Nitrobenzene-d5	7.52	82	263614	29.68	ng	-0.01
41) 2,4,6-Tribromophenol	10.79	330	111053	39.08	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	426047	26.32	ng	0.00
78) Terphenyl-d14	13.07	244	336001	32.19	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.26	128	148767	5.606	ng	97
37) 2-Methylnaphthalene	8.95	142	46649	2.669	ng	99
49) Dimethylphthalate	9.70	163	45726	2.269	ng	99
51) Acenaphthene	10.03	154	101464	6.700	ng	98
54) Dibenzofuran	10.20	168	95451	4.316	ng	97
57) Fluorene	10.55	166	120870	6.626	ng	100
70) Phenanthrene	11.52	178	923010	40.235	ng	98
71) Anthracene	11.57	178	341816	14.265	ng	97
72) Carbazole	11.73	167	133808	5.851	ng	99
74) Fluoranthene	12.72	202	1007479	41.316	ng	98
77) Pyrene	12.95	202	808771	46.680	ng	99
80) Benzo(a)anthracene	14.14	228	388494	25.761	ng	98
82) Chrysene	14.17	228	316722	21.442	ng	97
85) Indeno(1,2,3-cd)pyrene	17.28	276	180573m	11.797	ng	
87) Benzo(b)fluoranthene	15.23	252	389231m	25.587	ng	
88) Benzo(k)fluoranthene	15.26	252	182774m	12.755	ng	
89) Benzo(a)pyrene	15.63	252	300673	21.329	ng	95
90) Dibenzo(a,h)anthracene	17.28	278	36296	2.785	ng	95
91) Benzo(a,h,i)perylene	17.76	276	160967	12.330	ng	# 93

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

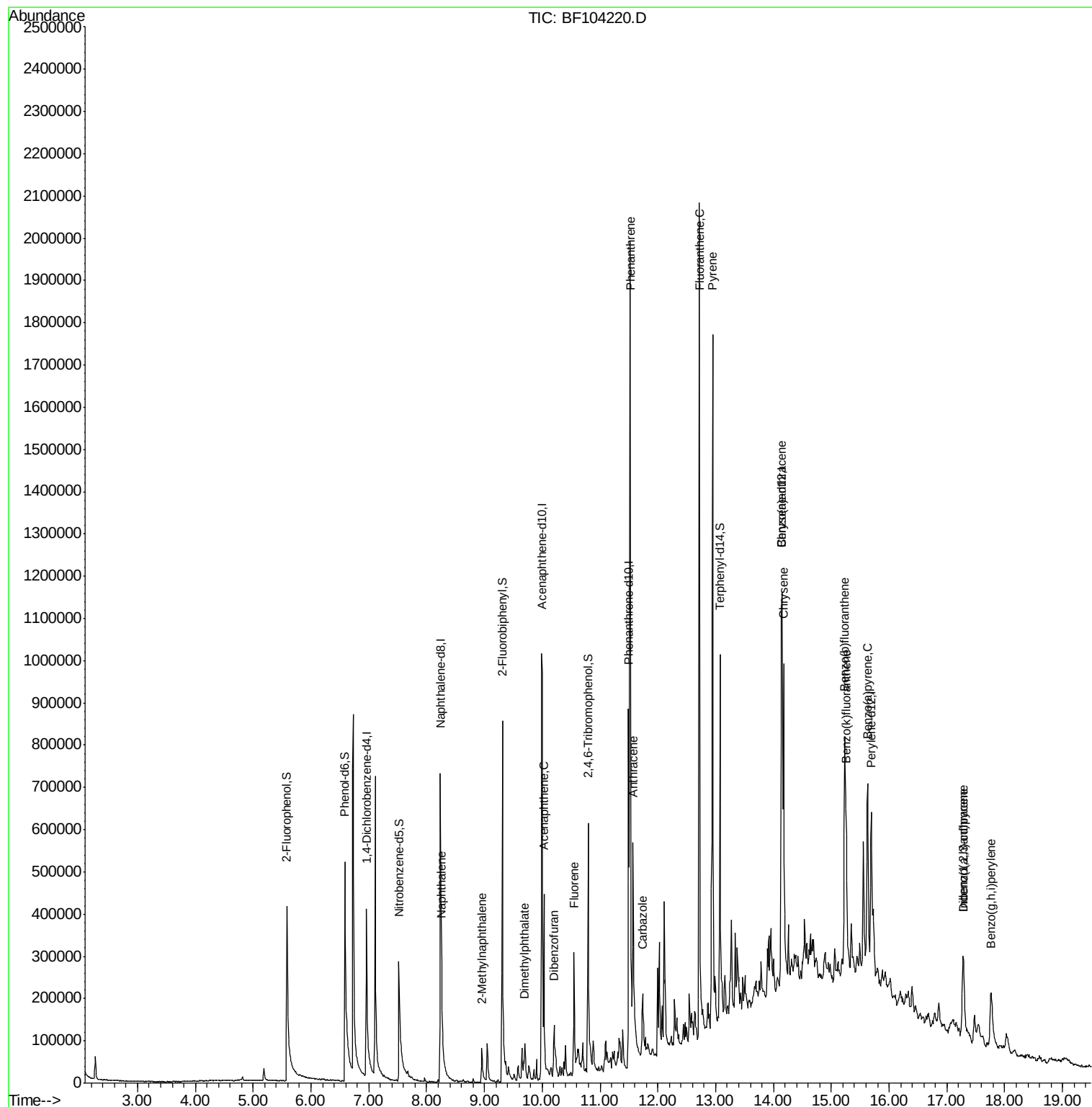
Data Path : Z:\HPCHEM1\BNA F\DATA\BF040318\
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ALS Vial : 35 Sample Multiplier: 1

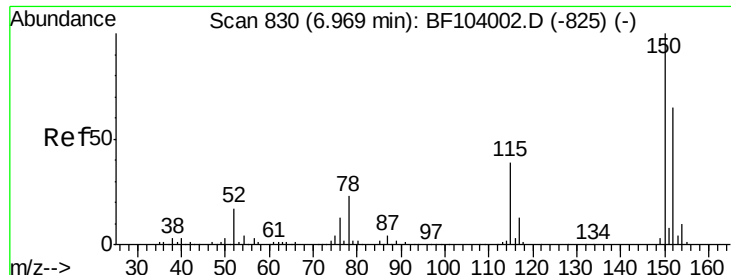
Instrument :
BNA_F
ClientSampleId :
6-WM-DIP-8-WW(1-5)DL

Manual Integrations
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#1

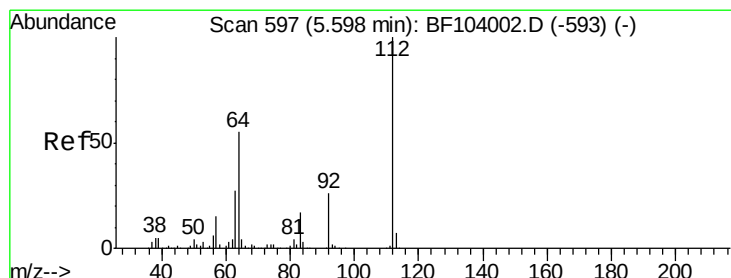
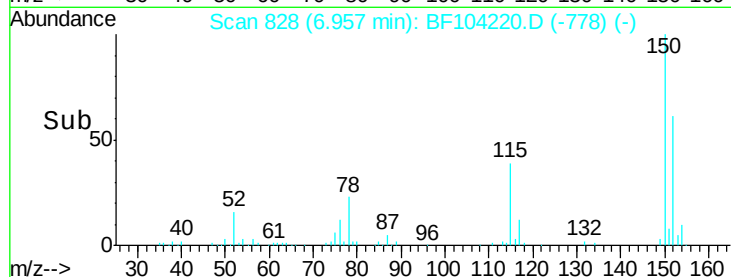
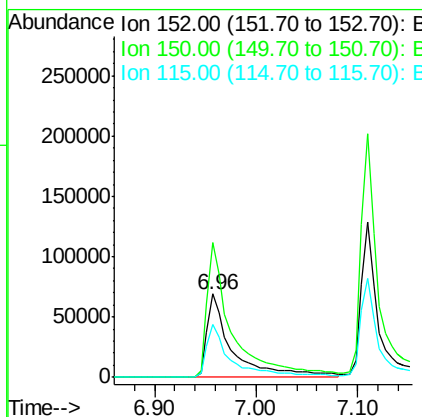
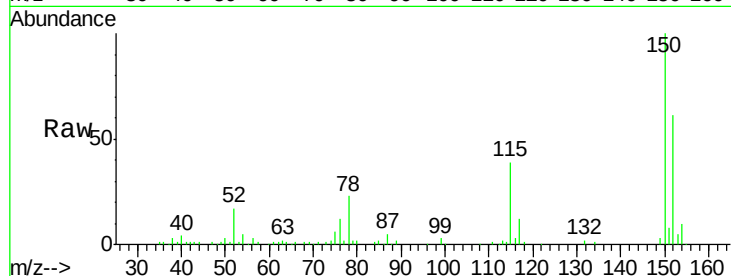
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 828
Delta R.T. -0.01 min
Lab File: BF104220.D
Acq: 4 Apr 2018 11:05

Instrument :
BNA_F
ClientSampleId :
6-WM-DIP-8-WW(1-5)DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.7	124.6	186.8
115	64.1	50.1	75.1

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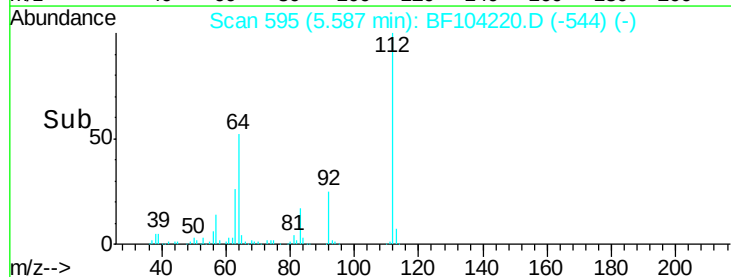
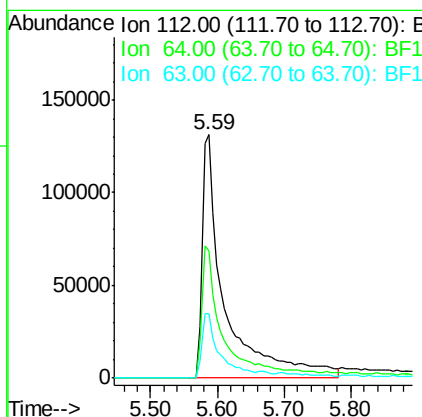
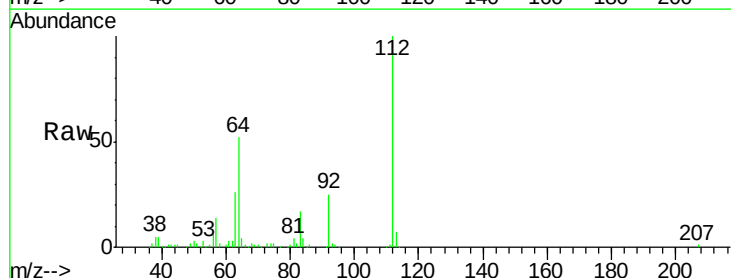
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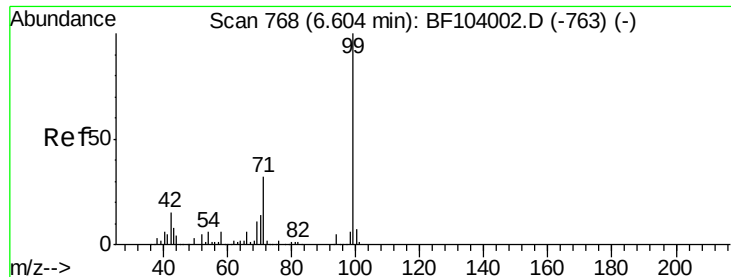


#5

2-Fluorophenol
Concen: 40.161 ng
RT: 5.59 min Scan# 595
Delta R.T. 0.00 min
Lab File: BF104220.D
Acq: 4 Apr 2018 11:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.1	47.9	71.9
63	26.4	23.7	35.5





#7

Phenol-d6

Concen: 44.857 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.01 min

Lab File: BF104220.D

Acq: 4 Apr 2018 11:05

Instrument :

BNA_F

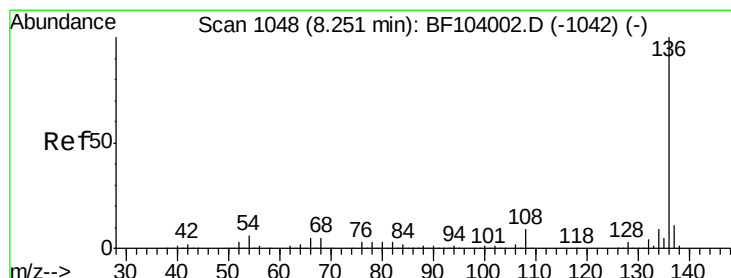
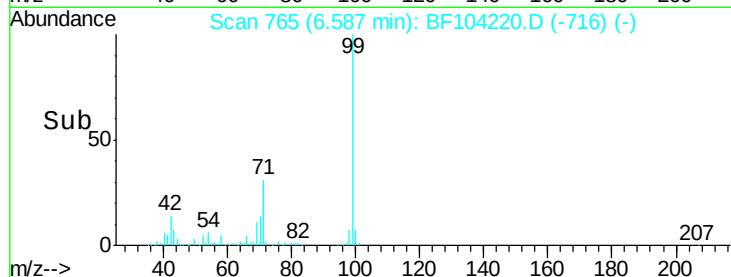
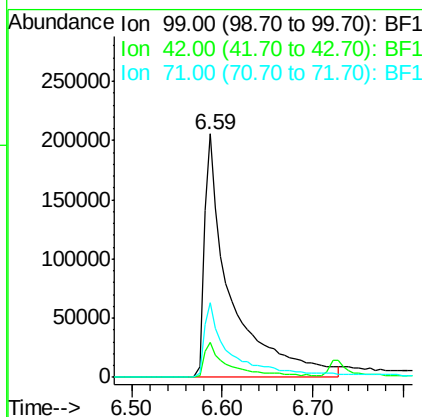
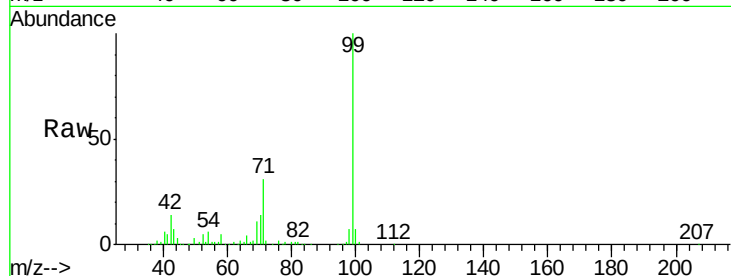
ClientSampleId :

6-WM-DIP-8-WW(1-5)DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		419432		
42	14.2	14.5	21.7#		
71	30.8	25.4	38.0		

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#21

Naphthalene-d8

Concen: 20.000 ng

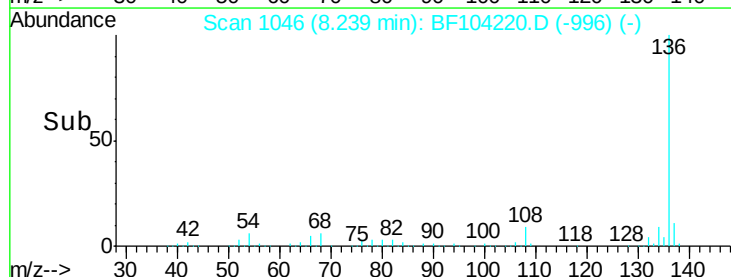
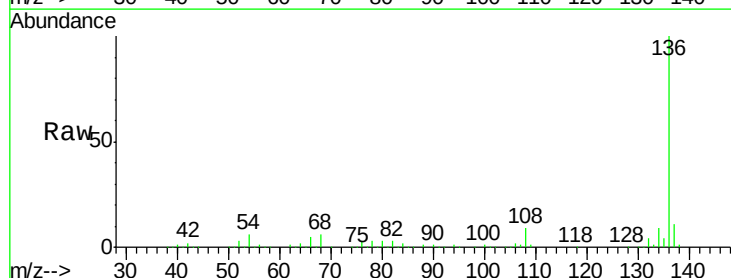
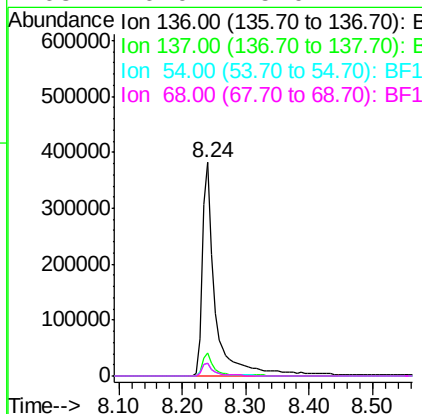
RT: 8.24 min Scan# 1046

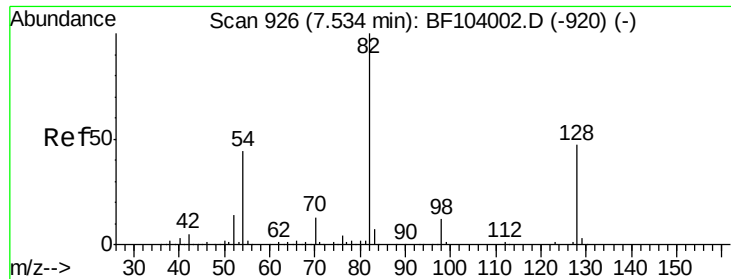
Delta R.T. -0.01 min

Lab File: BF104220.D

Acq: 4 Apr 2018 11:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		543191		
137	10.6	8.9	13.3		
54	6.2	6.6	9.8#		
68	6.0	5.0	7.4		





#23

Nitrobenzene-d5

Concen: 29.679 ng

RT: 7.52 min Scan# 924

Delta R.T. -0.01 min

Lab File: BF104220.D

Acq: 4 Apr 2018 11:05

Instrument :

BNA_F

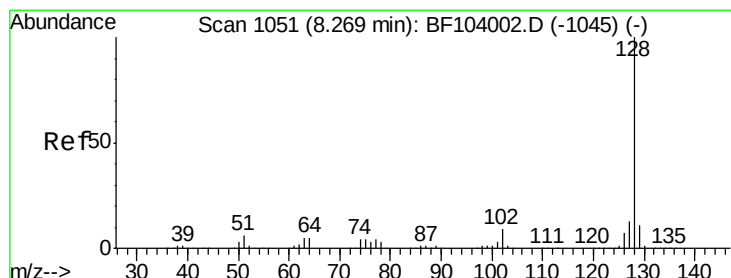
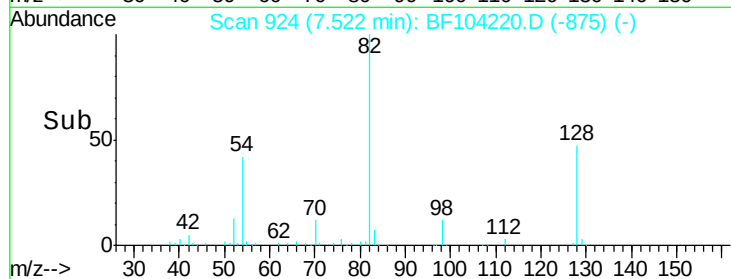
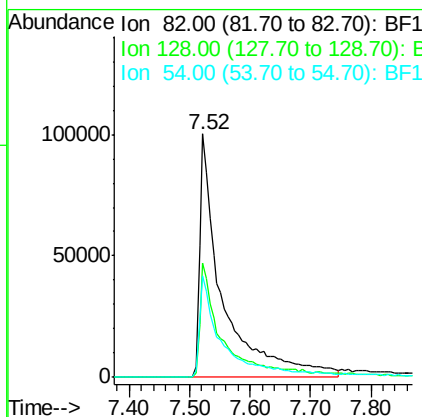
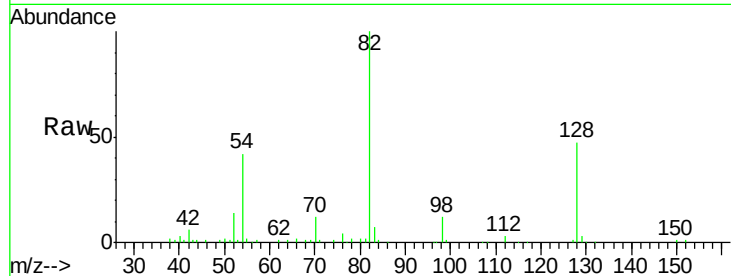
ClientSampleId :

6-WM-DIP-8-WW(1-5)DL

Tot Ion:	82	Resp:	263614
Ion Ratio	Lower	Upper	
82	100		
128	46.9	36.1	54.1
54	41.6	41.4	62.2

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#31

Naphthalene

Concen: 5.606 ng

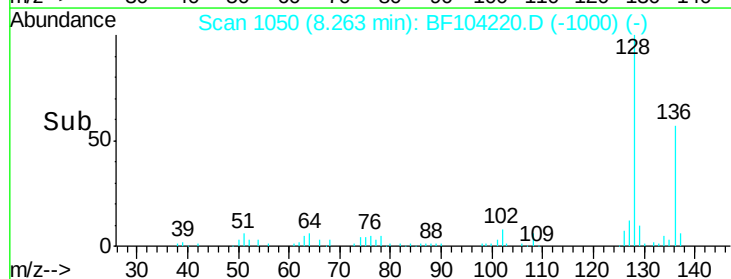
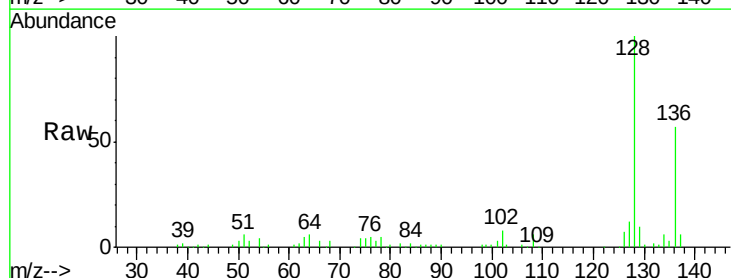
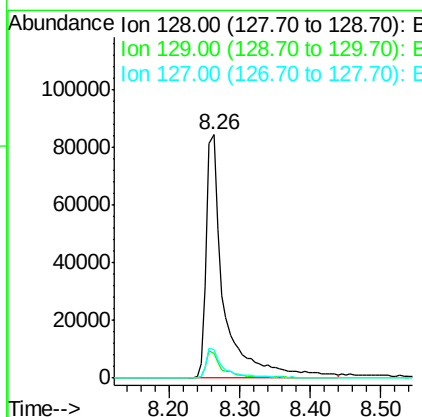
RT: 8.26 min Scan# 1050

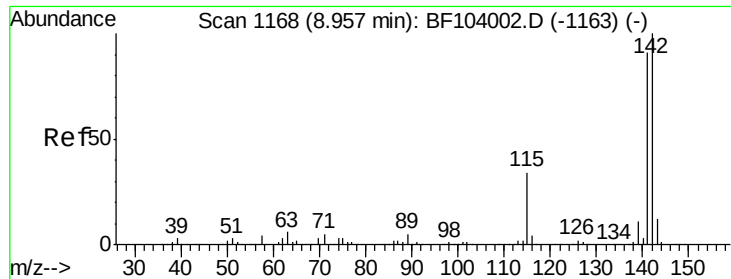
Delta R.T. -0.01 min

Lab File: BF104220.D

Acq: 4 Apr 2018 11:05

Tgt Ion:	128	Resp:	148767
Ion Ratio	Lower	Upper	
128	100		
129	10.4	8.8	13.2
127	11.9	10.9	16.3





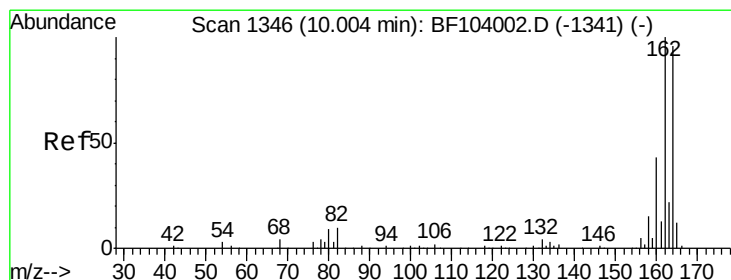
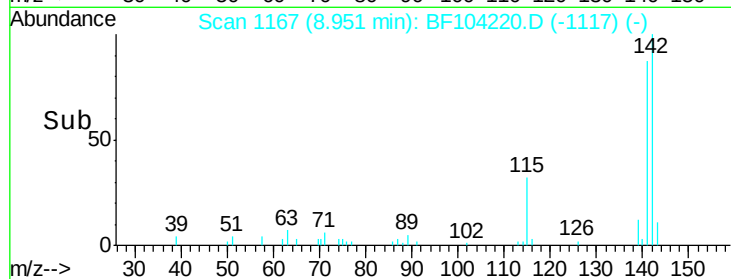
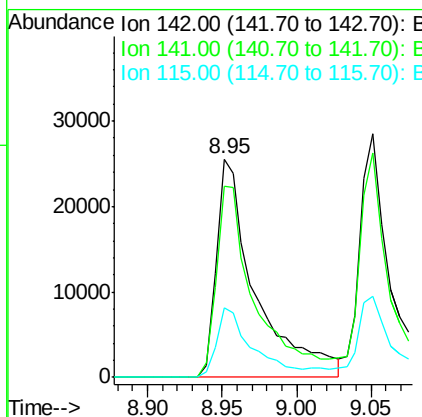
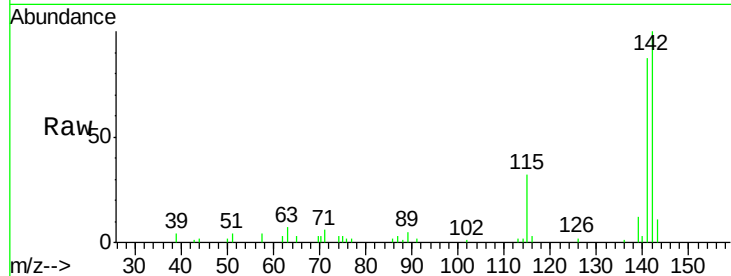
#37
2-Methylnaphthalene
Concen: 2.669 ng
RT: 8.95 min Scan# 1167
Delta R.T. -0.01 min
Lab File: BF104220.D
Acq: 4 Apr 2018 11:05

Instrument :
BNA_F
ClientSampleId :
6-WM-DIP-8-WW(1-5)DL

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.5	70.8	106.2
115	32.0	26.1	39.1

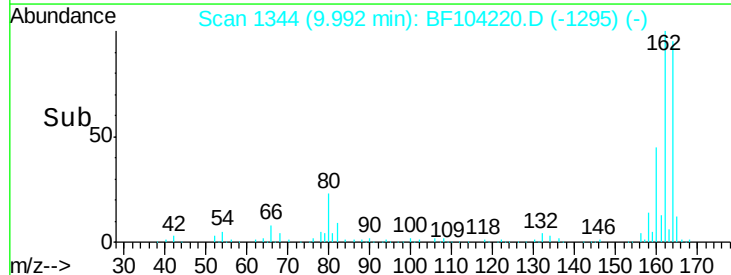
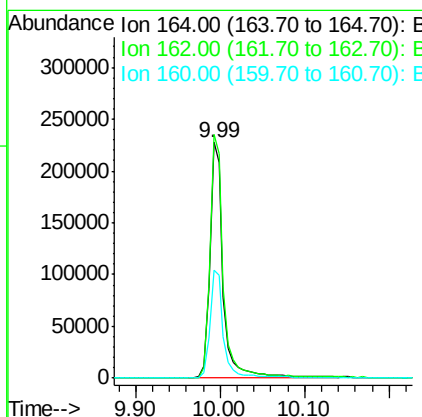
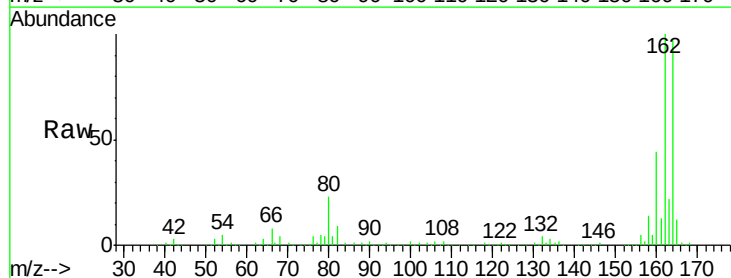
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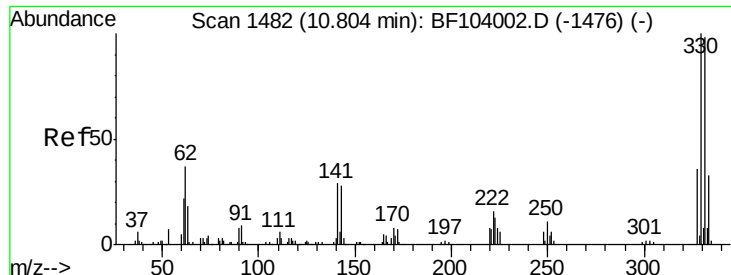
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.99 min Scan# 1344
Delta R.T. -0.01 min
Lab File: BF104220.D
Acq: 4 Apr 2018 11:05

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.4	86.1	129.1
160	46.0	38.3	57.5





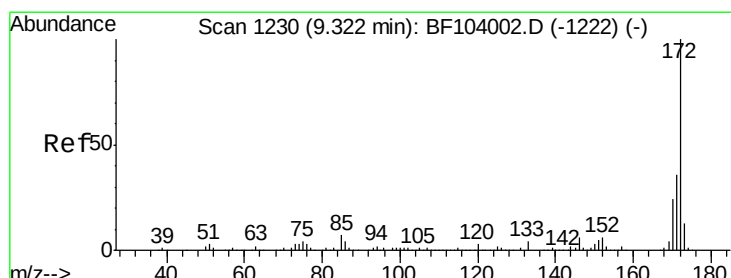
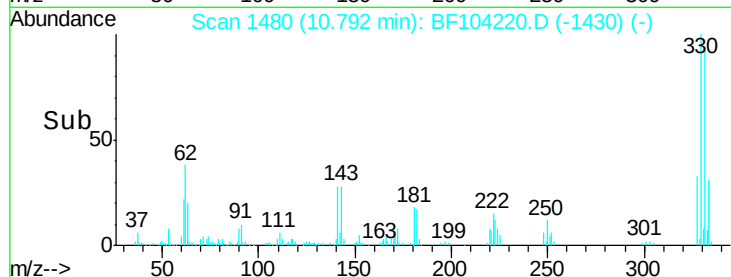
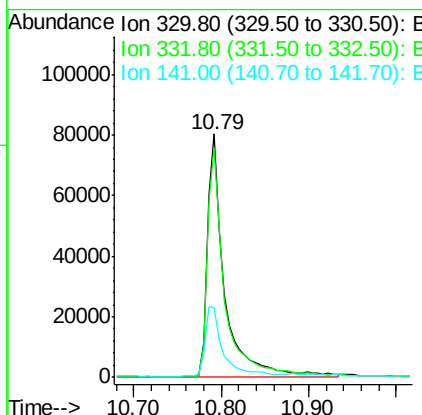
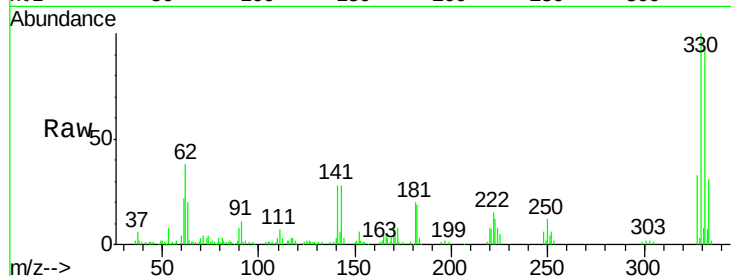
#41
 2,4,6-Tribromophenol
 Concen: 39.076 ng
 RT: 10.79 min Scan# 1480
 Delta R.T. -0.01 min
 Lab File: BF104220.D
 Acq: 4 Apr 2018 11:05

Instrument :
 BNA_F
 ClientSampleId :
 6-WM-DIP-8-WW(1-5)DL

Tot Ion	Ratio	Resp	Lower	Upper
330	100	111053		
332	97.0	77.0	115.6	
141	31.9	29.9	44.9	

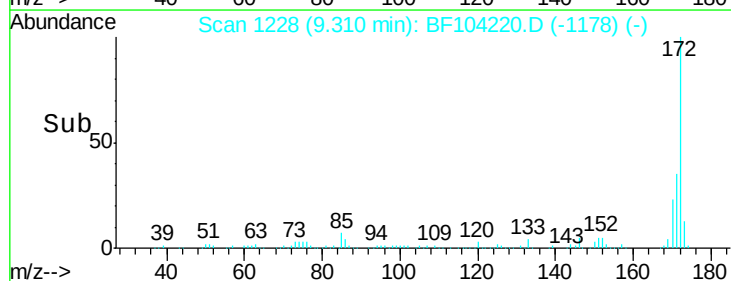
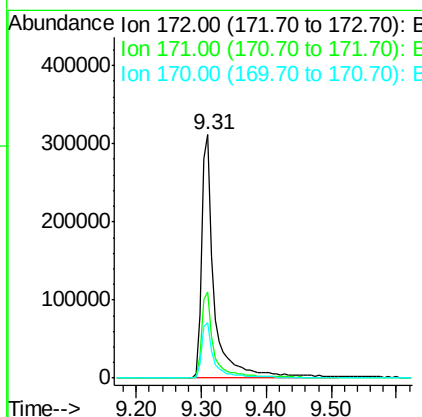
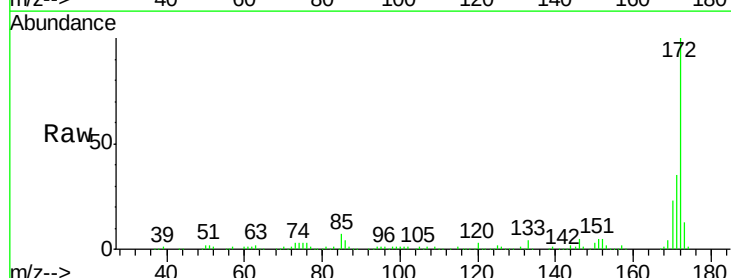
Manual Integrations
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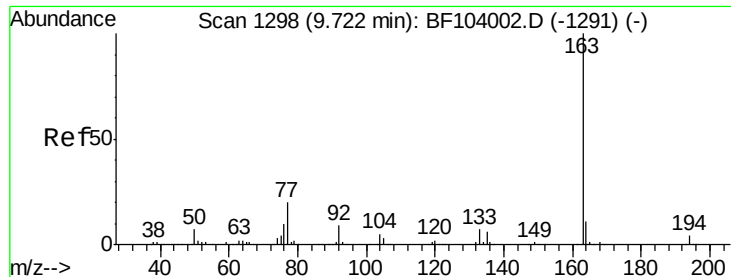
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#44
 2-Fluorobiphenyl
 Concen: 26.323 ng
 RT: 9.31 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: BF104220.D
 Acq: 4 Apr 2018 11:05

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	426047		
171	35.3	29.7	44.5	
170	22.5	19.6	29.4	





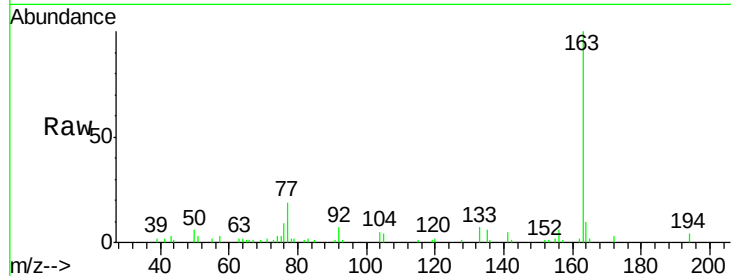
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Dimethylphthalate
Concen: 2.269 ng
RT: 9.70 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BF104220.D
Acq: 4 Apr 2018 11:05

Instrument :
BNA_F
ClientSampleId :
6-WM-DIP-8-WW(1-5)DL

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.7	4.1
164	10.4	8.2	12.2

Manual Integrations
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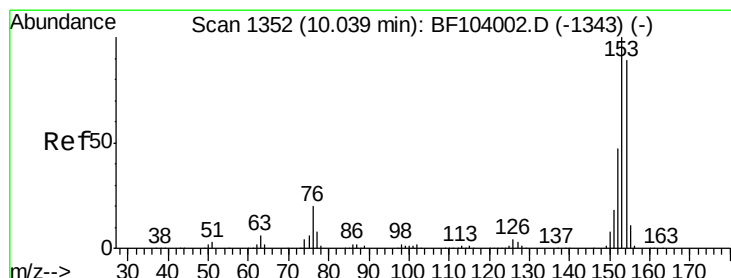
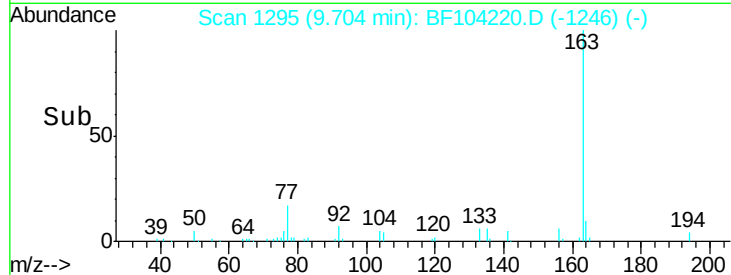
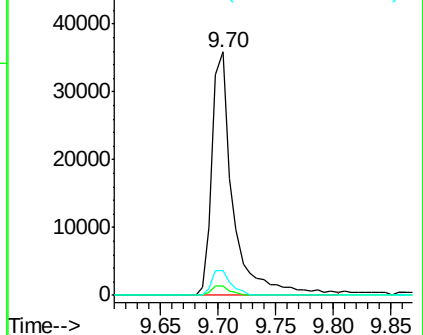


Abundance

Ion 163.00 (162.70 to 163.70): E

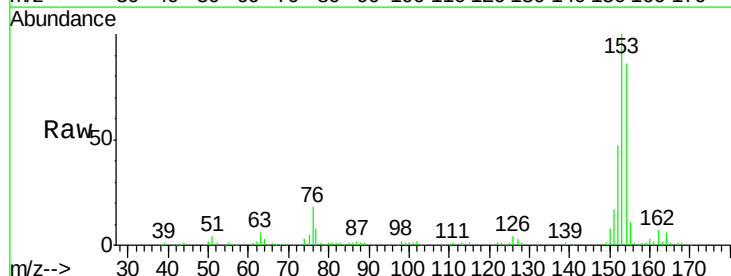
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51
Acenaphthene
Concen: 6.700 ng
RT: 10.03 min Scan# 1350
Delta R.T. -0.01 min
Lab File: BF104220.D
Acq: 4 Apr 2018 11:05

Tgt Ion	Ratio	Lower	Upper
154	100		
153	116.4	91.2	136.8
152	54.8	43.8	65.8

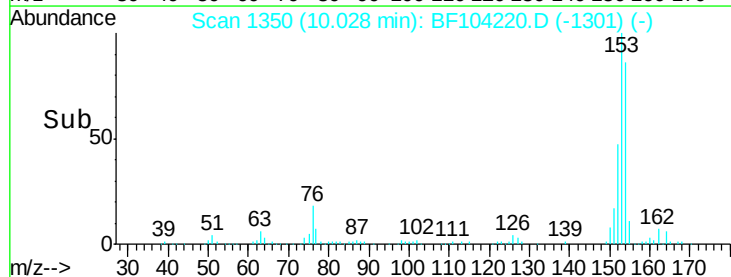
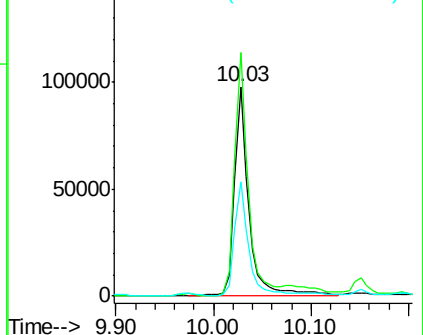


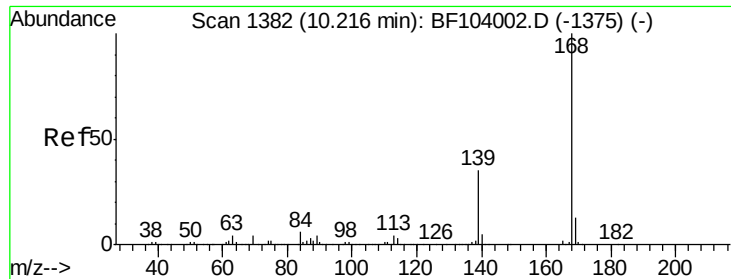
Abundance

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

Dibenzenofuran

Concen: 4.316 ng

RT: 10.20 min Scan# 1380

Delta R.T. -0.01 min

Lab File: BF104220.D

Acq: 4 Apr 2018 11:05

Instrument :

BNA_F

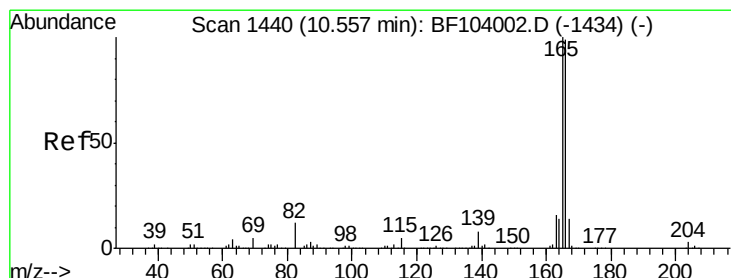
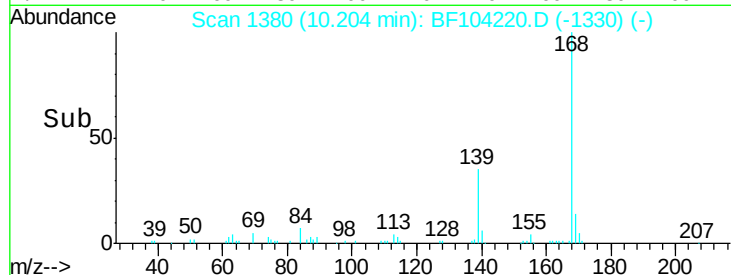
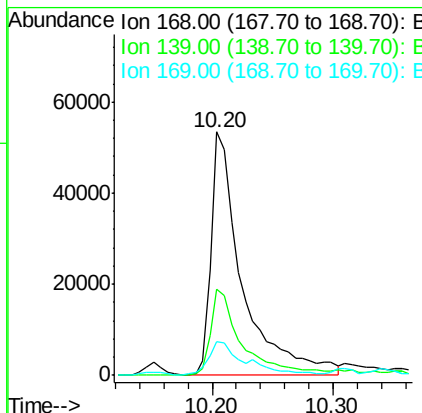
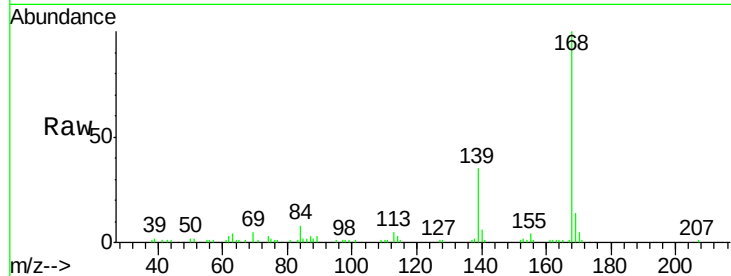
ClientSampleId :

6-WM-DIP-8-WW(1-5)DL

Tot Ion:	168	Resp:	95451
Ion Ratio	Lower	Upper	
168	100		
139	35.2	30.1	45.1
169	14.0	10.9	16.3

Manual Integrations
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#57

Fluorene

Concen: 6.626 ng

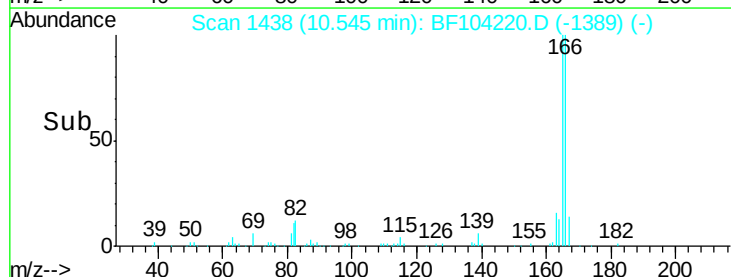
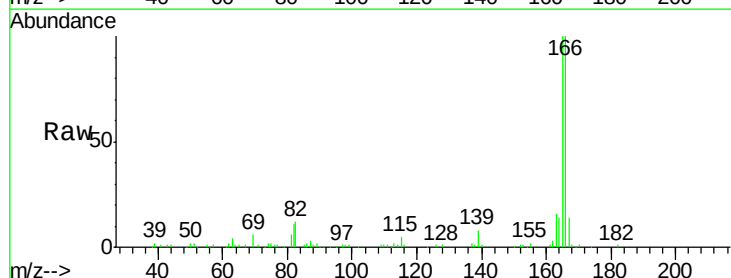
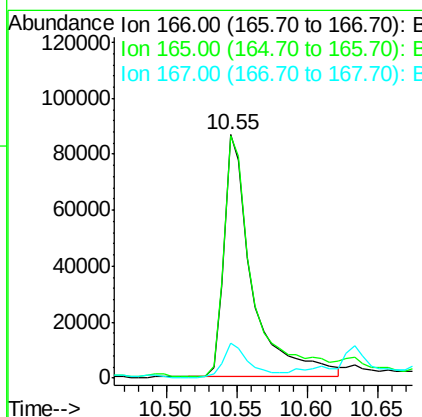
RT: 10.55 min Scan# 1438

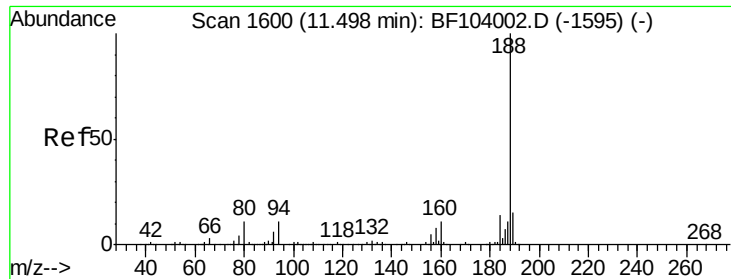
Delta R.T. -0.01 min

Lab File: BF104220.D

Acq: 4 Apr 2018 11:05

Tgt Ion:	166	Resp:	120870
Ion Ratio	Lower	Upper	
166	100		
165	99.7	79.8	119.8
167	14.1	10.6	16.0





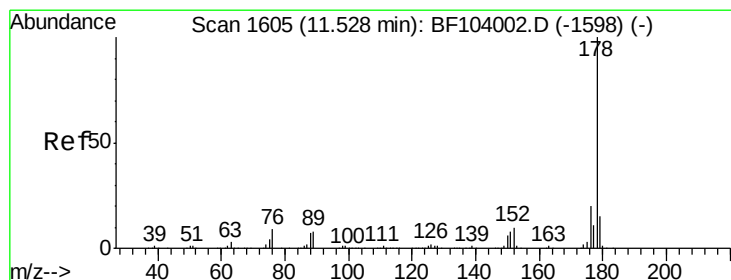
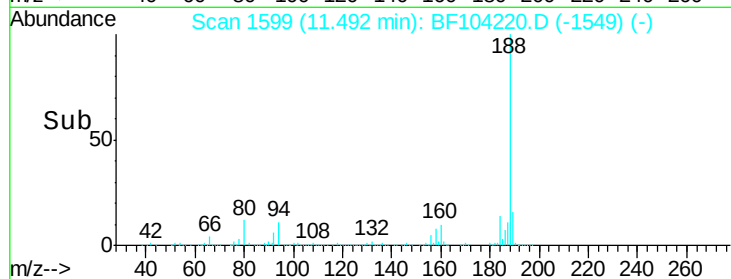
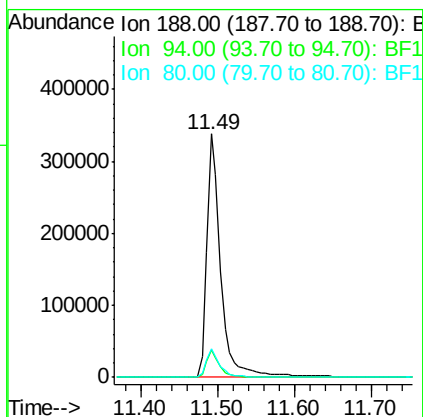
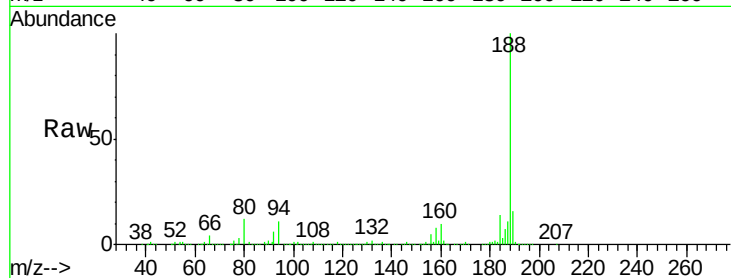
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: BF104220.D
Acq: 4 Apr 2018 11:05

Instrument :
BNA_F
ClientSampleId :
6-WM-DIP-8-WW(1-5)DL

Tot Ion	Ratio	Lower	Upper
188	100		
94	11.3	8.5	12.7
80	11.9	9.2	13.8

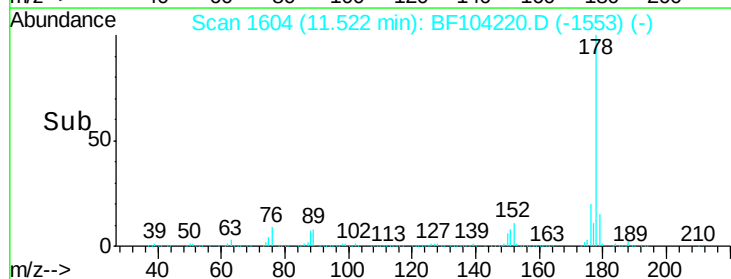
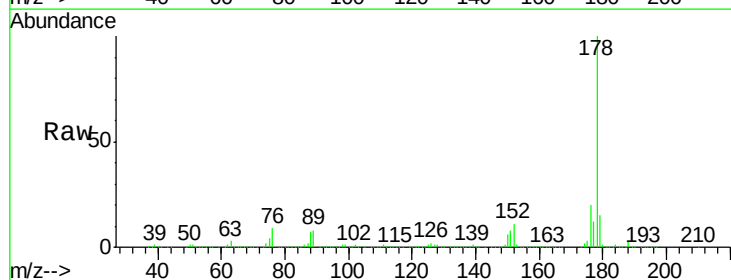
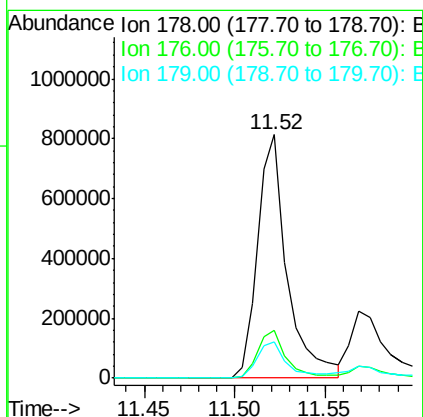
Manual Integrations
APPROVED

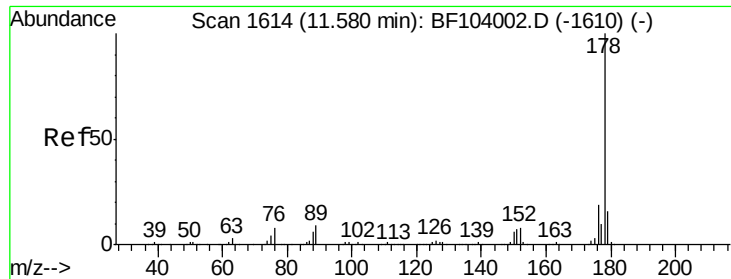
Sohil
4/4/2018 4:10:32 PM



#70
Phenanthrene
Concen: 40.235 ng
RT: 11.52 min Scan# 1604
Delta R.T. 0.00 min
Lab File: BF104220.D
Acq: 4 Apr 2018 11:05

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.8	23.8
179	15.0	13.0	19.6





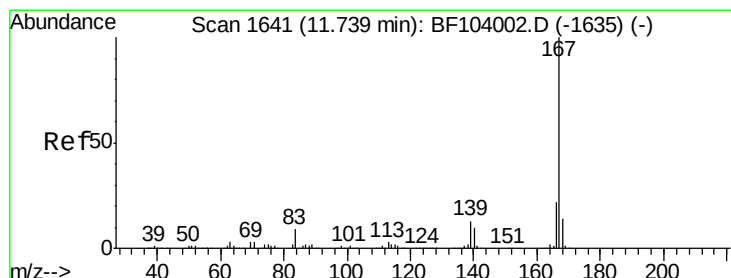
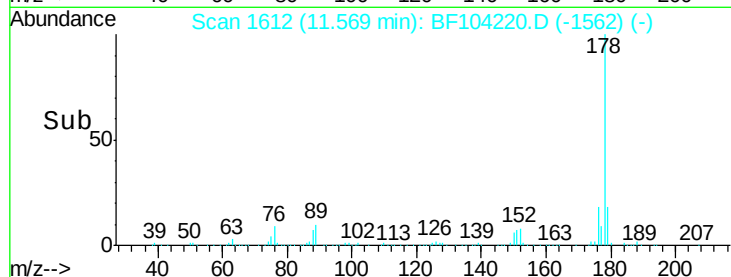
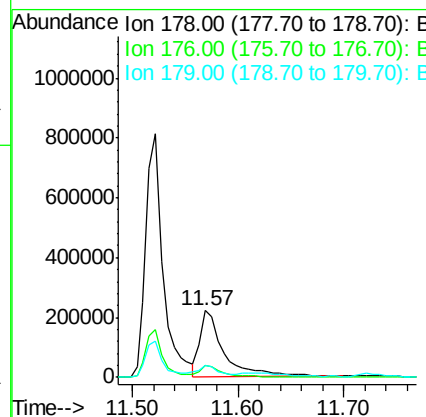
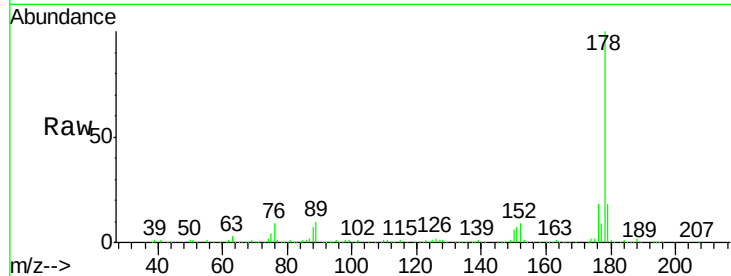
#71
 Anthracene
 Concen: 14.265 ng
 RT: 11.57 min Scan# 1612
 Delta R.T. -0.01 min
 Lab File: BF104220.D
 Acq: 4 Apr 2018 11:05

Instrument :
 BNA_F
 ClientSampleId :
 6-WM-DIP-8-WW(1-5)DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.4	23.2
179	17.6	12.6	19.0

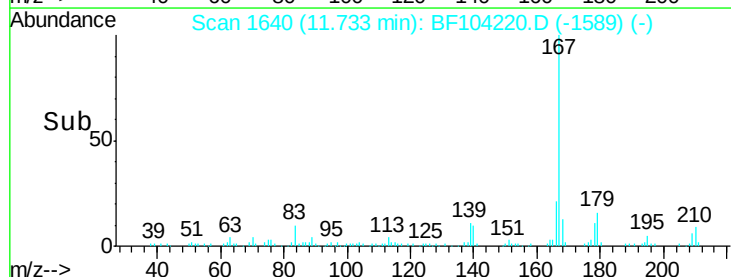
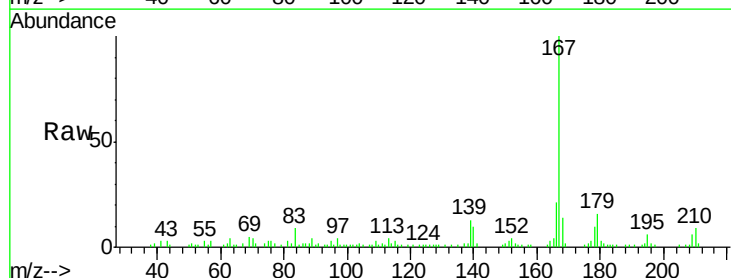
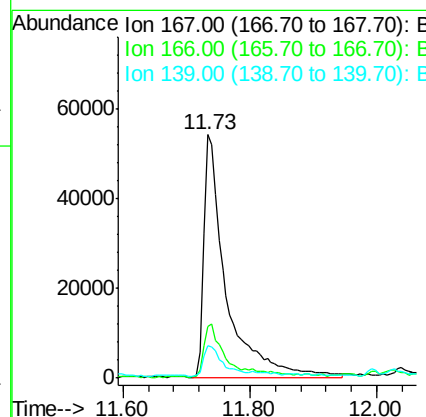
Manual Integrations
 APPROVED

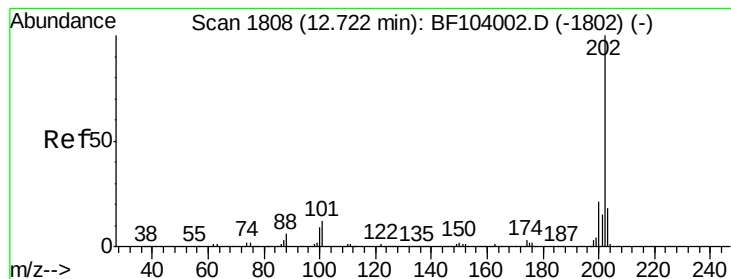
Sohil
 4/4/2018 4:10:32 PM



#72
 Carbazole
 Concen: 5.851 ng
 RT: 11.73 min Scan# 1640
 Delta R.T. 0.00 min
 Lab File: BF104220.D
 Acq: 4 Apr 2018 11:05

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.6	26.4
139	13.1	10.9	16.3





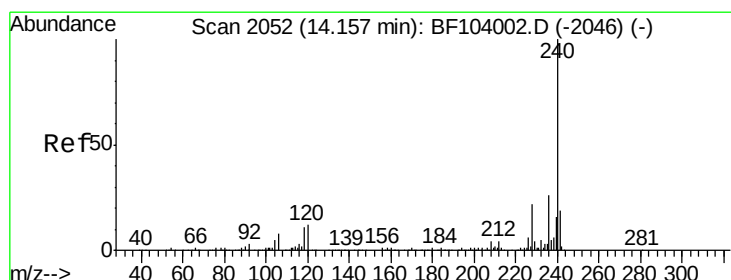
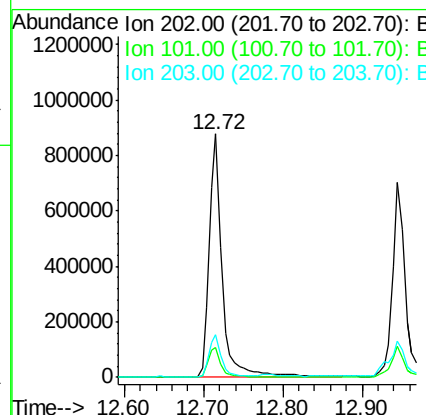
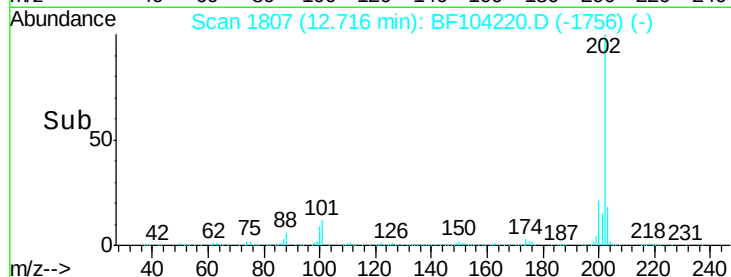
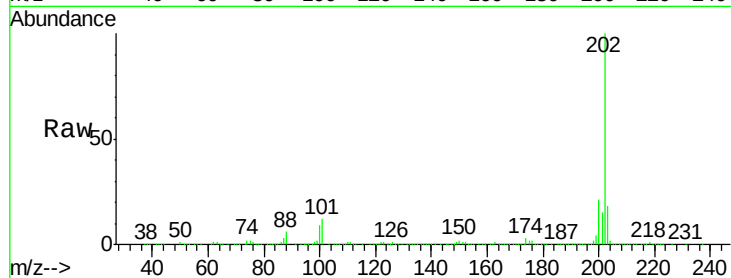
#74
 Fluoranthene
 Concen: 41.316 ng
 RT: 12.72 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: BF104220.D
 Acq: 4 Apr 2018 11:05

Instrument :
 BNA_F
 ClientSampleId :
 6-WM-DIP-8-WW(1-5)DL

Tot Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	34.1
203	17.7	0.0	38.1

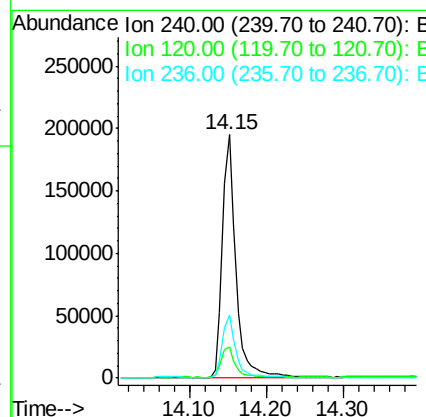
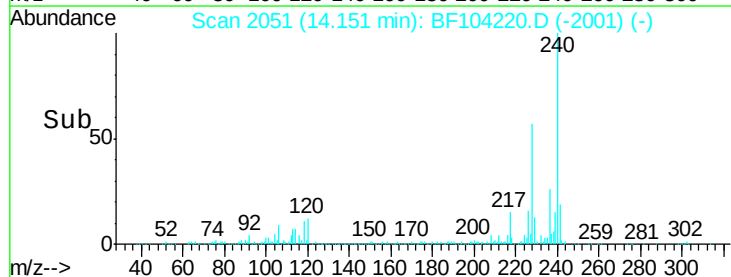
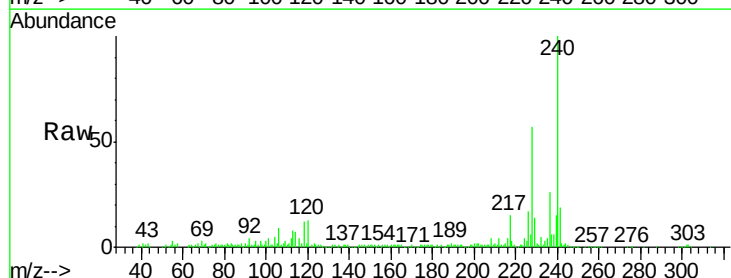
Manual Integrations
 APPROVED

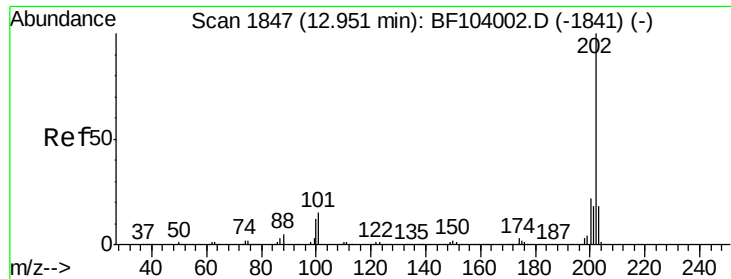
Sohil
 4/4/2018 4:10:32 PM



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.15 min Scan# 2051
 Delta R.T. -0.01 min
 Lab File: BF104220.D
 Acq: 4 Apr 2018 11:05

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





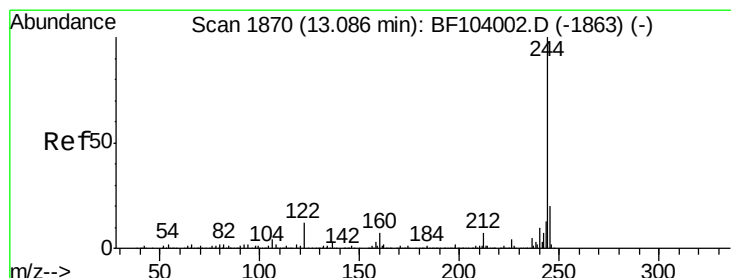
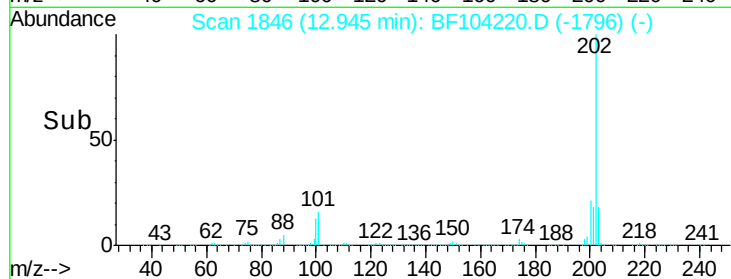
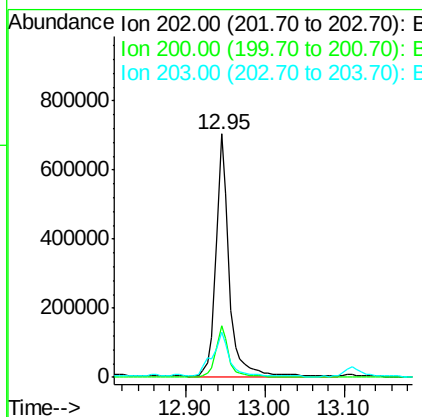
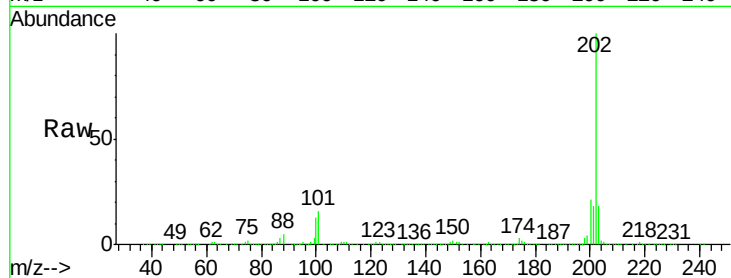
#77
Pvrene
Concen: 46.680 ng
RT: 12.95 min Scan# 1846
Delta R.T. -0.01 min
Lab File: BF104220.D
Acq: 4 Apr 2018 11:05

Instrument :
BNA_F
ClientSampleId :
6-WM-DIP-8-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

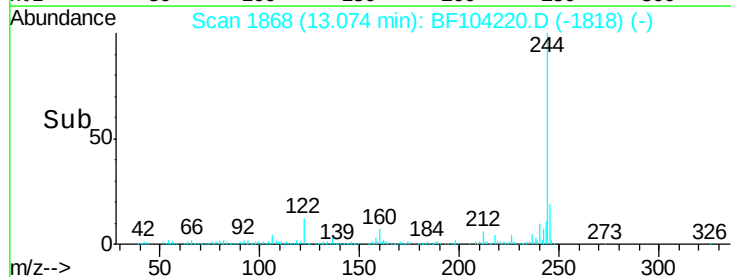
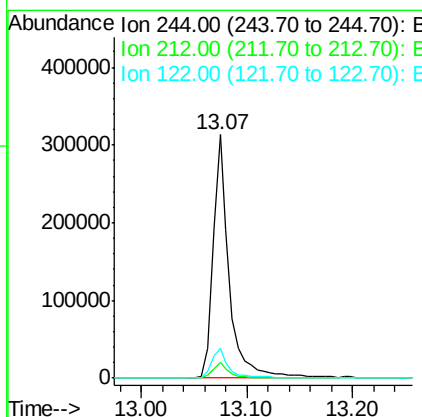
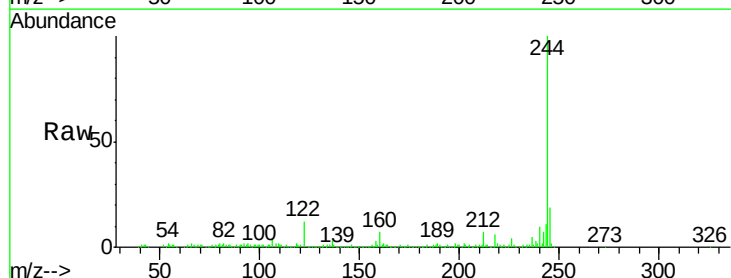
Manual Integrations
APPROVED

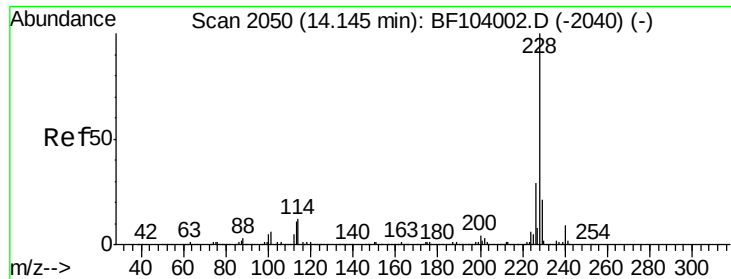
Sohil
4/4/2018 4:10:32 PM



#78
Terphenyl-d14
Concen: 32.189 ng
RT: 13.07 min Scan# 1868
Delta R.T. -0.01 min
Lab File: BF104220.D
Acq: 4 Apr 2018 11:05

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.0
122	12.3	11.0	16.4





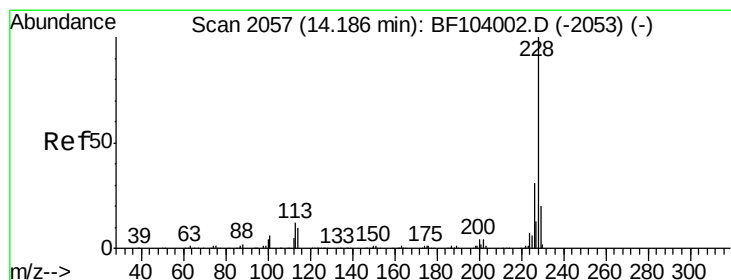
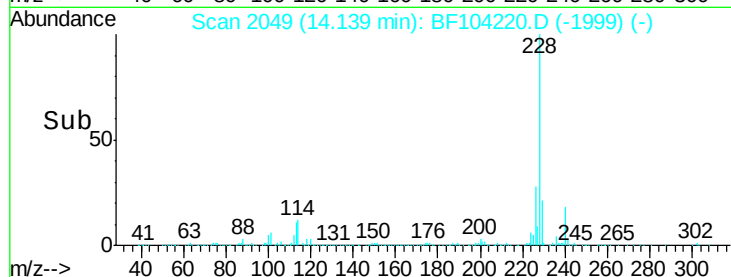
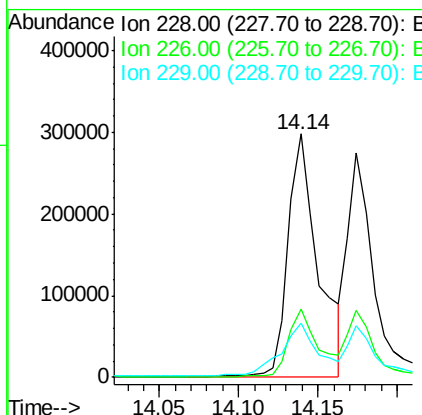
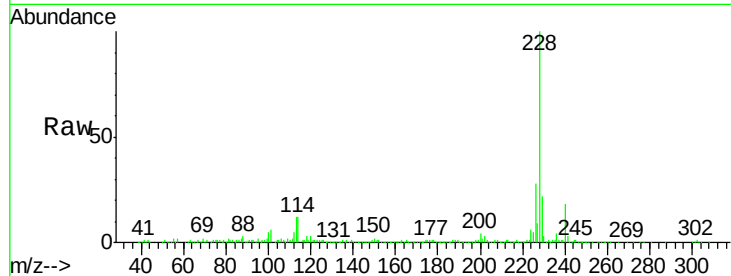
#80
Benzo(a)anthracene
Concen: 25.761 ng
RT: 14.14 min Scan# 2049
Delta R.T. -0.01 min
Lab File: BF104220.D
Acq: 4 Apr 2018 11:05

Instrument :
BNA_F
ClientSampleId :
6-WM-DIP-8-WW(1-5)DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.6	33.8
229	22.1	15.8	23.6

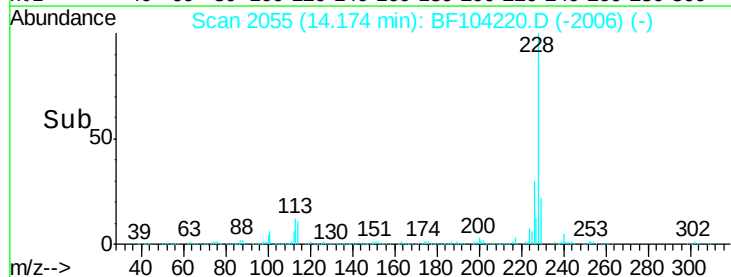
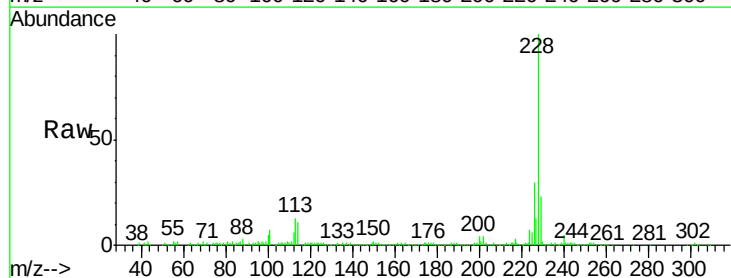
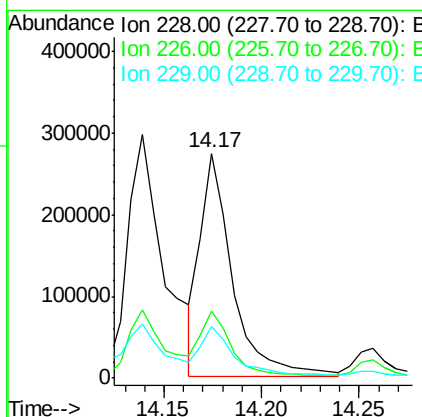
Manual Integrations
APPROVED

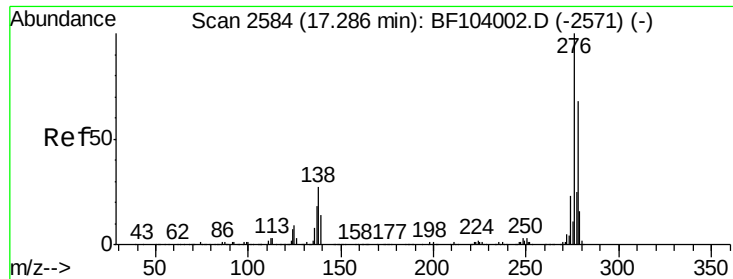
Sohil
4/4/2018 4:10:32 PM



#82
Chrysene
Concen: 21.442 ng
RT: 14.17 min Scan# 2055
Delta R.T. -0.01 min
Lab File: BF104220.D
Acq: 4 Apr 2018 11:05

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	25.0	37.6
229	22.7	16.2	24.4





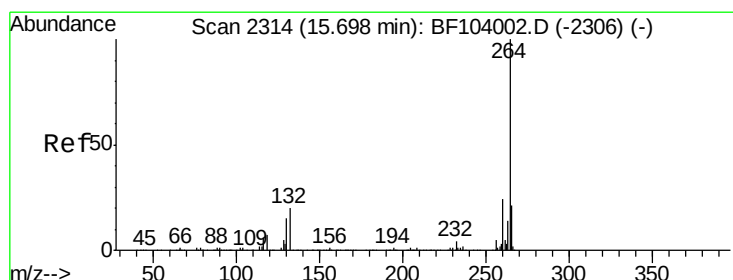
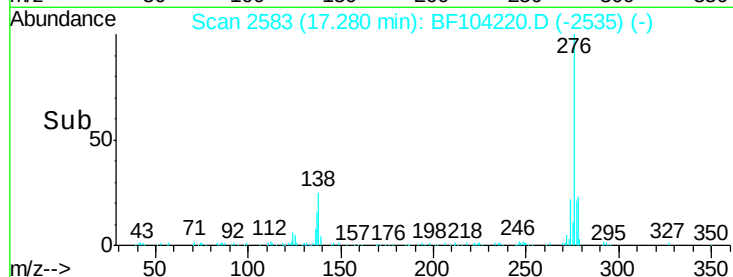
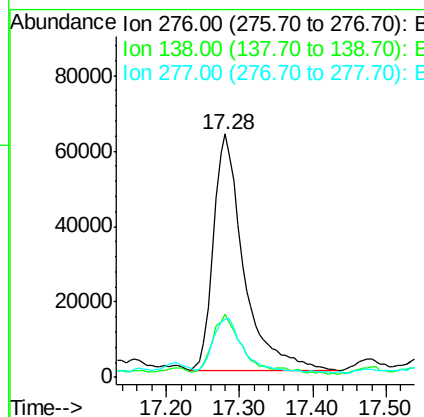
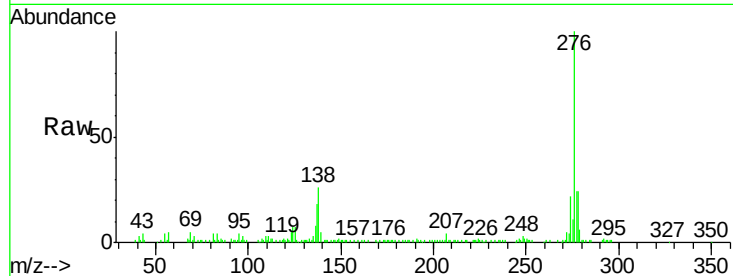
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 11.797 ng/ml
 RT: 17.28 min Scan# 2583
 Delta R.T. -0.02 min
 Lab File: BF104220.D
 Acq: 4 Apr 2018 11:05

Instrument :
 BNA_F
 ClientSampleId :
 6-WM-DIP-8-WW(1-5)DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	4.7	25.0	37.6#
277	3.6	20.1	30.1#

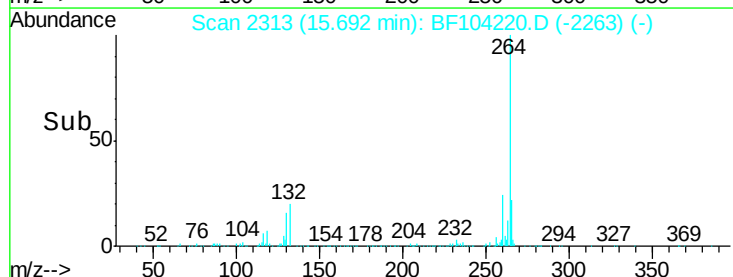
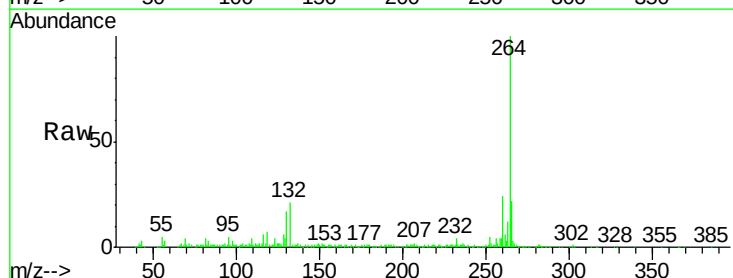
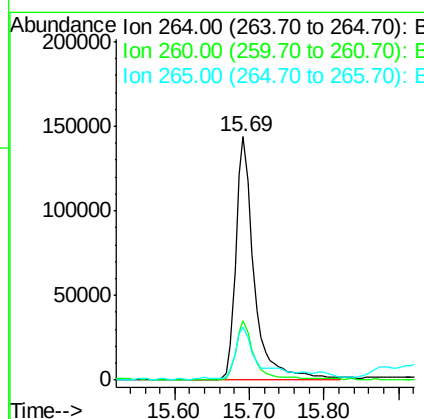
Manual Integrations
 APPROVED

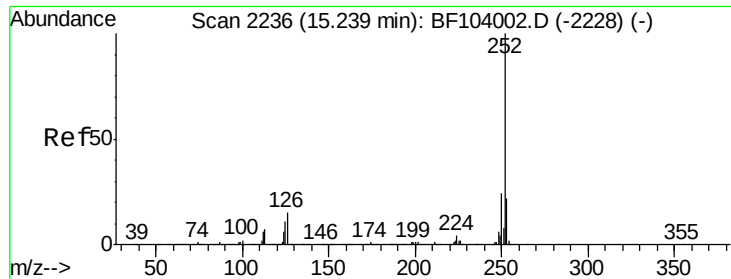
Sohil
 4/4/2018 4:10:32 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.69 min Scan# 2313
 Delta R.T. -0.01 min
 Lab File: BF104220.D
 Acq: 4 Apr 2018 11:05

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	21.9	17.5	26.3





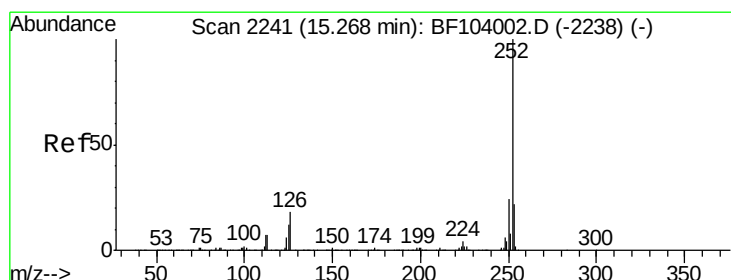
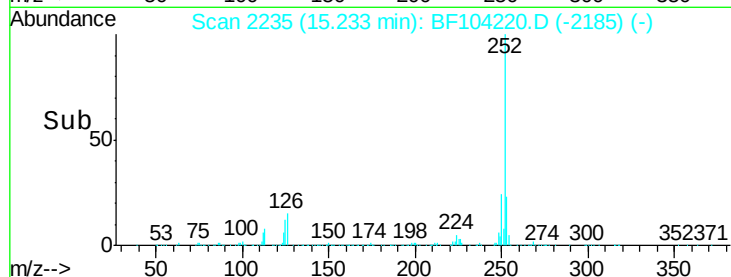
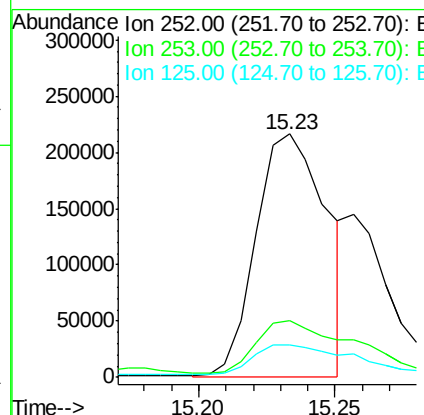
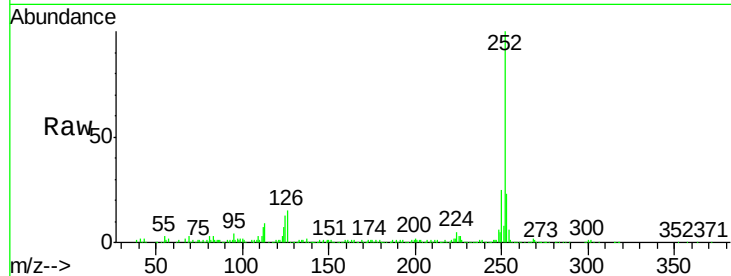
#87
Benzo(b)fluoranthene
Concen: 25.587 ng m
RT: 15.23 min Scan# 2235
Delta R.T. -0.01 min
Lab File: BF104220.D
Acq: 4 Apr 2018 11:05

Instrument :
BNA_F
ClientSampleId :
6-WM-DIP-8-WW(1-5)DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.0	25.6
125	13.5	9.0	13.6

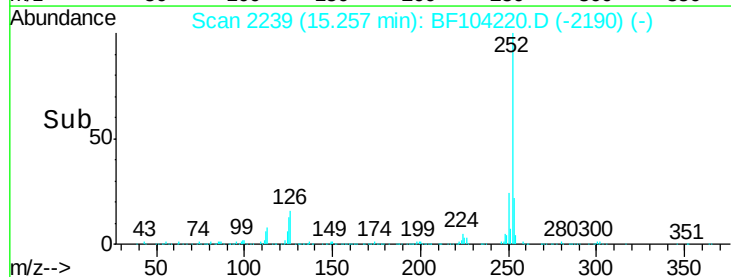
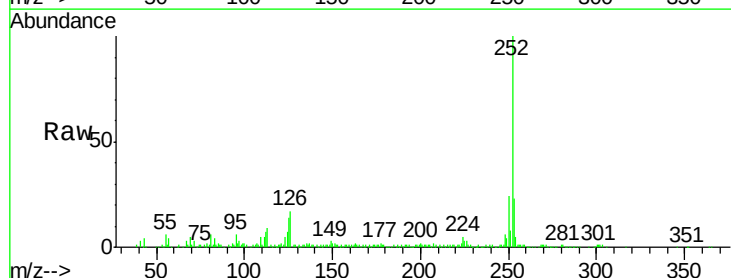
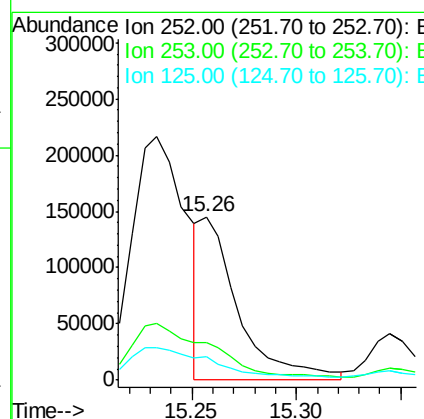
Manual Integrations
APPROVED

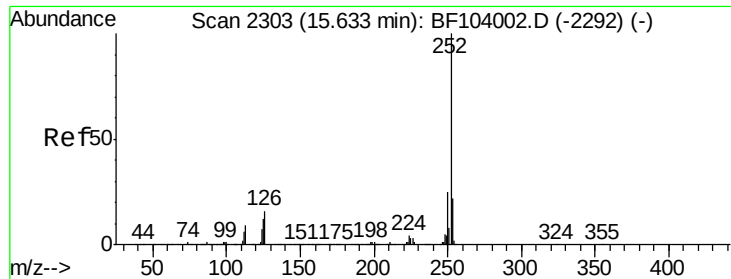
Sohil
4/4/2018 4:10:32 PM



#88
Benzo(k)fluoranthene
Concen: 12.755 ng m
RT: 15.26 min Scan# 2239
Delta R.T. -0.01 min
Lab File: BF104220.D
Acq: 4 Apr 2018 11:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.9	26.9
125	14.0	10.2	15.2





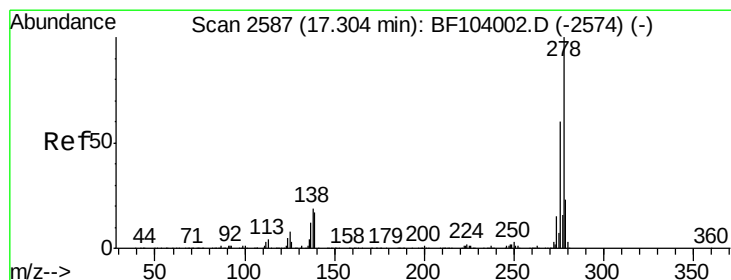
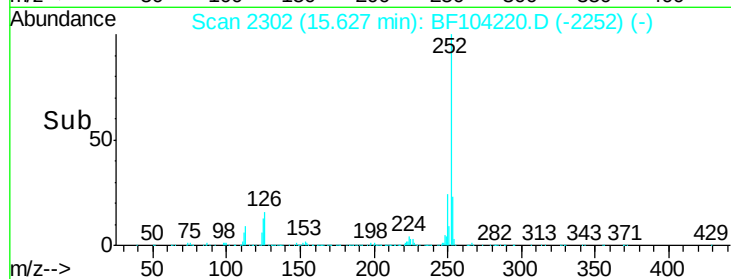
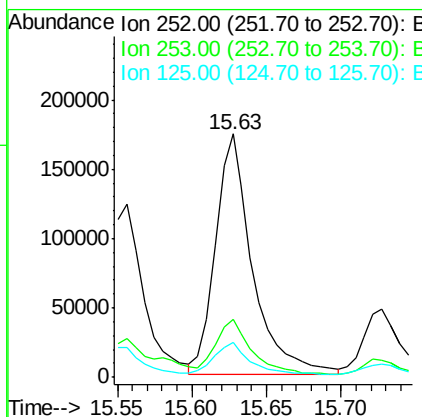
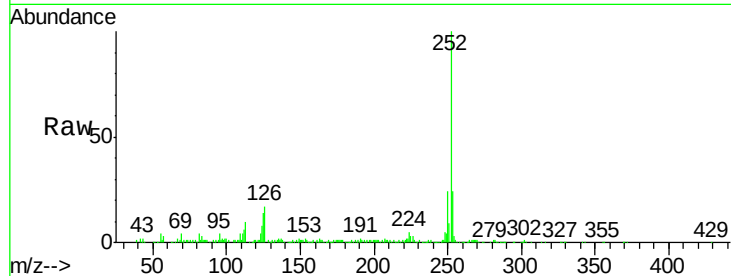
#89
Benzo(a)pyrene
Concen: 21.329 ng
RT: 15.63 min Scan# 2302
Delta R.T. -0.01 min
Lab File: BF104220.D
Acq: 4 Apr 2018 11:05

Instrument :
BNA_F
ClientSampleId :
6-WM-DIP-8-WW(1-5)DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.1	25.7
125	14.4	9.8	14.6

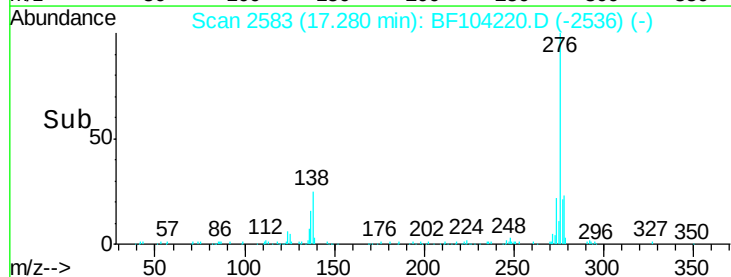
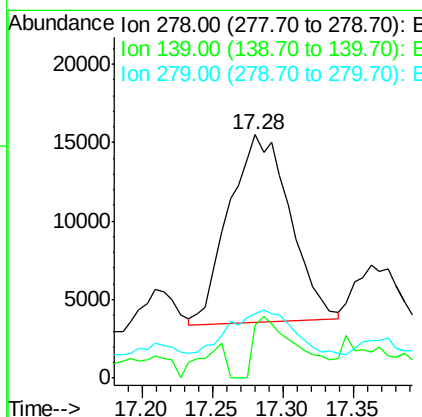
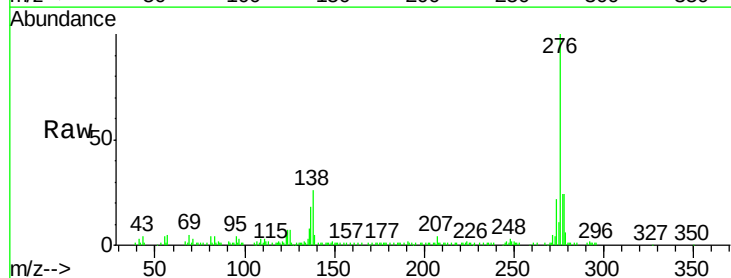
Manual Integrations
APPROVED

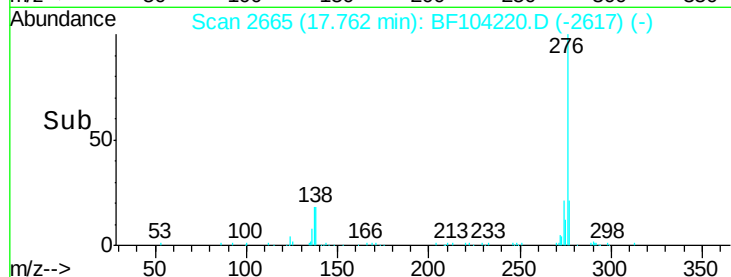
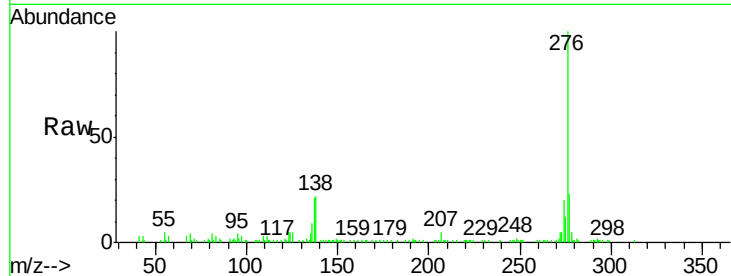
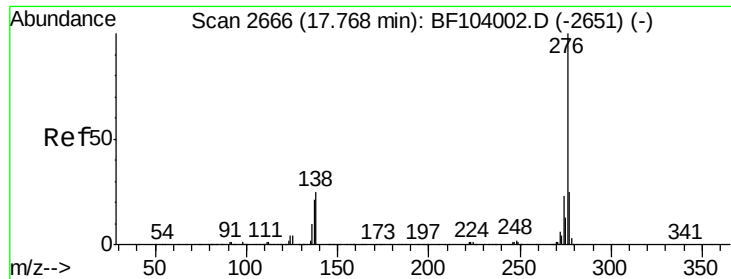
Sohil
4/4/2018 4:10:32 PM



#90
Dibenzo(a,h)anthracene
Concen: 2.785 ng
RT: 17.28 min Scan# 2583
Delta R.T. -0.02 min
Lab File: BF104220.D
Acq: 4 Apr 2018 11:05

Tgt Ion	Ratio	Lower	Upper
278	100		
139	21.6	15.9	23.9
279	26.2	19.0	28.4





#91

Benzo(a,h,i)perylene

Concen: 12.330 ng

RT: 17.76 min Scan# 2665

Delta R.T. -0.02 min

Lab File: BF104220.D

Acq: 4 Apr 2018 11:05

Instrument :

BNA_F

ClientSampleId :

6-WM-DIP-8-WW(1-5)DL

Tot Ion:	276	Resp:	160967
Ion Ratio	Lower	Upper	
276	100		
277	23.4	17.9	26.9
138	21.7	21.8	32.8#

Manual Integrations
APPROVED

Sohil
4/4/2018 4:10:32 PM

