

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF033018\
 Data File : BF104096.D
 Acq On : 30 Mar 2018 16:54
 Operator : JU/SJ
 Sample : J2139-11 80X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PAD-2

Manual Integrations
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Quant Time: Mar 30 17:52:23 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 30 17:20:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	93198	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	429726	20.00	ng	0.00
38) Acenaphthene-d10	9.99	164	209274	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	389613	20.00	ng	0.00
75) Chrysene-d12	14.14	240	339483	20.00	ng	0.00
86) Perylene-d12	15.68	264	281456	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.72	112	217	0.04	ng	0.14
7) Phenol-d6	6.62	99	5744m	0.80	ng	0.02
23) Nitrobenzene-d5	7.55	82	2059	0.29	ng	0.02
41) 2,4,6-Tribromophenol	10.79	330	1865	0.80	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	7466	0.56	ng	0.00
78) Terphenyl-d14	13.07	244	10535	0.72	ng	0.00

Target Compounds				Qvalue		
10) Phenol	6.64	94	49082m	6.161	ng	
31) Naphthalene	8.26	128	1569372	74.755	ng	100
37) 2-Methylnaphthalene	8.95	142	180437	13.048	ng	99
45) 1,1'-Biphenyl	9.42	154	46618	2.595	ng	98
48) Acenaphthylene	9.86	152	232091	10.813	ng	99
51) Acenaphthene	10.03	154	40357	3.250	ng	98
54) Dibenzofuran	10.20	168	179140	9.880	ng	100
57) Fluorene	10.55	166	219448	14.672	ng	100
70) Phenanthrene	11.52	178	782407	37.091	ng	99
71) Anthracene	11.57	178	308814	14.016	ng	99
72) Carbazole	11.73	167	102026	4.852	ng	97
74) Fluoranthene	12.71	202	595186	26.545	ng	96
77) Pyrene	12.94	202	481720	19.739	ng	99
80) Benzo(a)anthracene	14.13	228	237778	11.194	ng	93
82) Chrysene	14.17	228	168357	8.092	ng	97
85) Indeno(1,2,3-cd)pyrene	17.25	276	55656	2.581	ng	# 89
87) Benzo(b)fluoranthene	15.22	252	158481m	9.252	ng	
88) Benzo(k)fluoranthene	15.24	252	82322m	5.102	ng	
89) Benzo(a)pyrene	15.61	252	136907	8.625	ng	96
91) Benzo(a,h,i)perylene	17.73	276	47739	3.248	ng	95

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

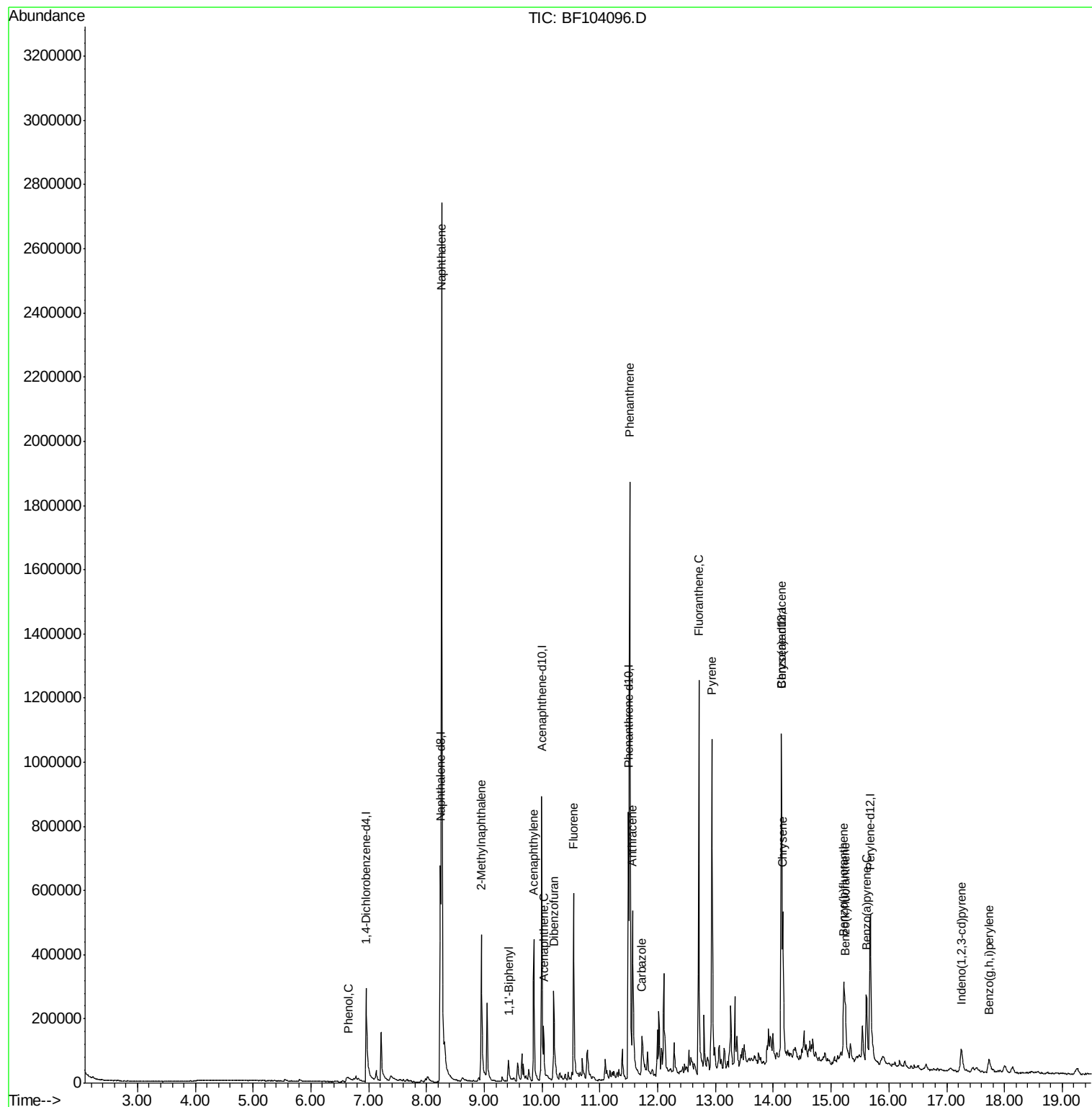
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF033018\
Data File : BF104096.D
Acq On : 30 Mar 2018 16:54
Operator : JU/SJ
Sample : J2139-11 80X
Misc :
ALS Vial : 5 Sample Multiplier: 1

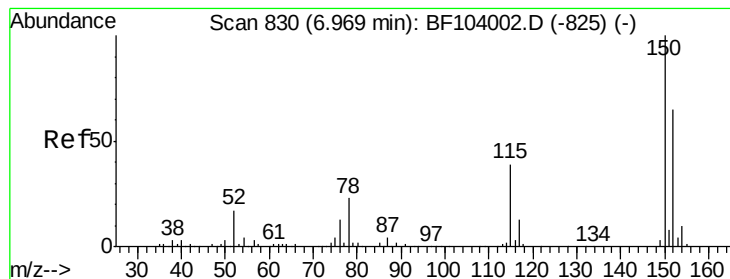
Instrument :
BNA_F
ClientSampleId :
PAD-2

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Quant Time: Mar 30 17:52:23 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





#1

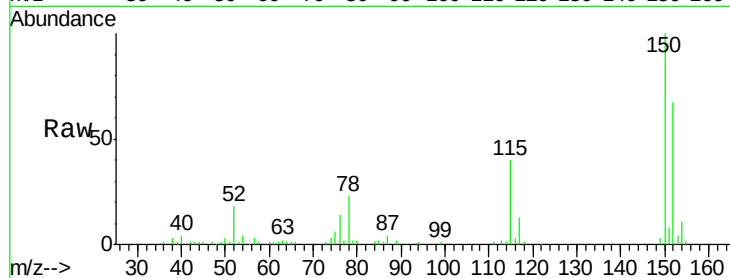
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 828
Delta R.T. -0.01 min
Lab File: BF104096.D
Acq: 30 Mar 2018 16:54

Instrument :
BNA_F
ClientSampled :
PAD-2

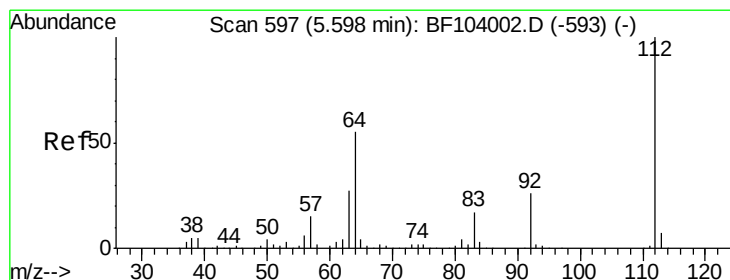
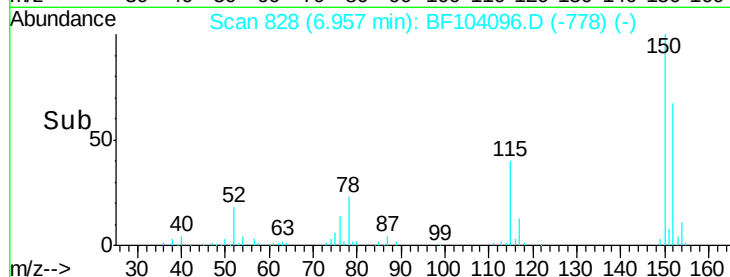
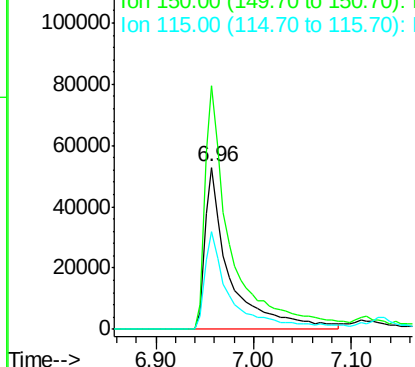
Tot Ion	Ratio	Lower	Upper
152	100		
150	150.3	124.6	186.8
115	60.1	50.1	75.1

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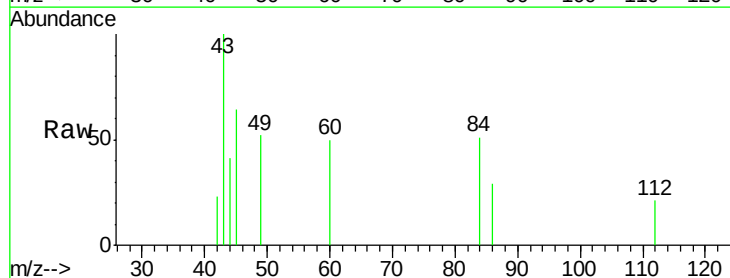
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



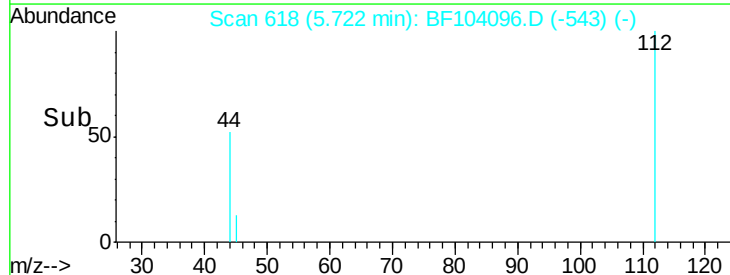
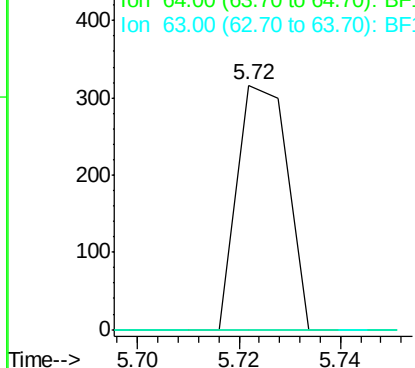
#5

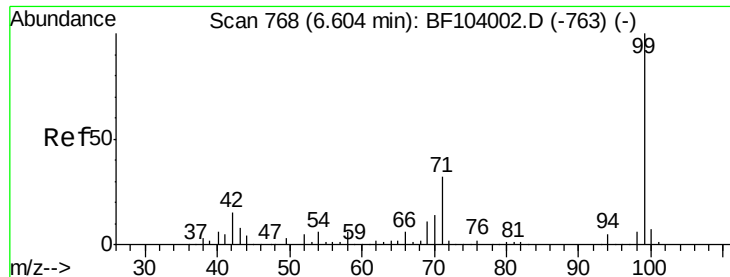
2-Fluorophenol
Concen: 0.037 ng
RT: 5.72 min Scan# 618
Delta R.T. 0.14 min
Lab File: BF104096.D
Acq: 30 Mar 2018 16:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	0.0	47.9	71.9#
63	0.0	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

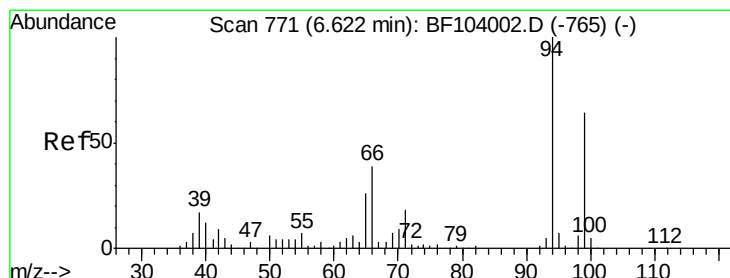
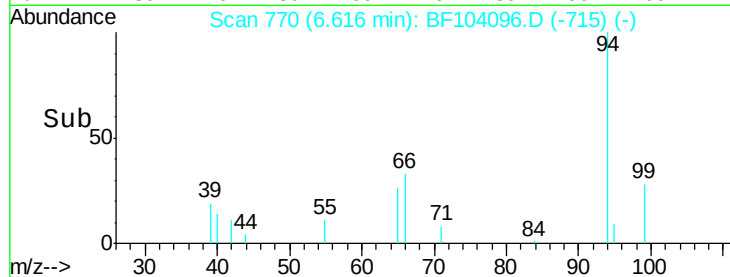
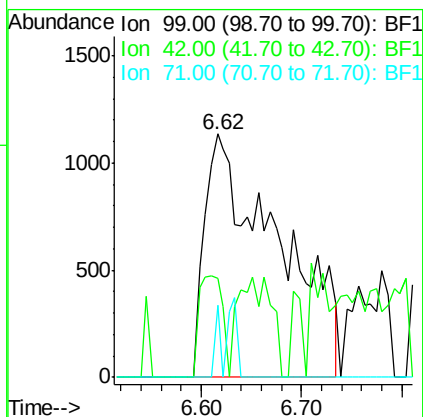
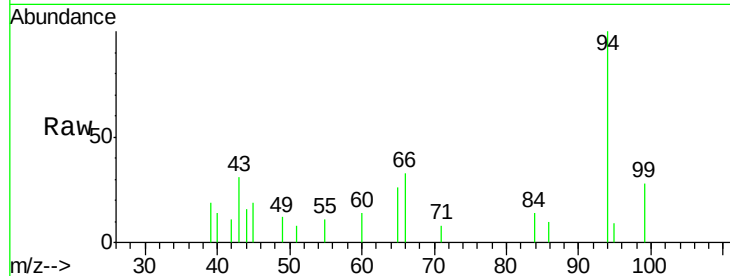
Concen: 0.799 ng m
RT: 6.62 min Scan# 770
Delta R.T. 0.02 min
Lab File: BF104096.D
Acq: 30 Mar 2018 16:54

Instrument :
BNA_F
ClientSampled :
PAD-2

Tot Ion	Ratio	Lower	Upper
99	100		
42	40.4	14.5	21.7#
71	29.6	25.4	38.0

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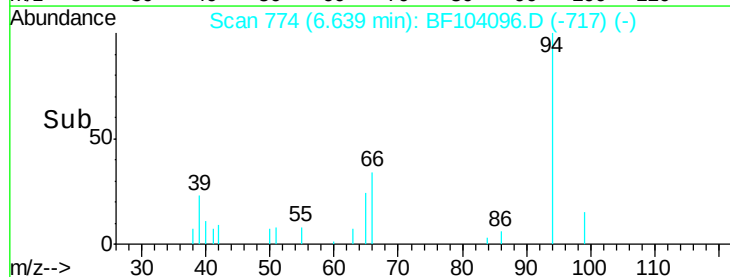
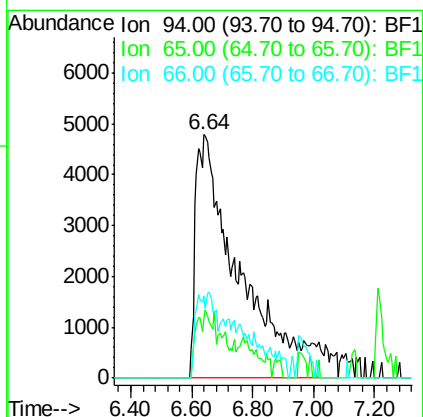
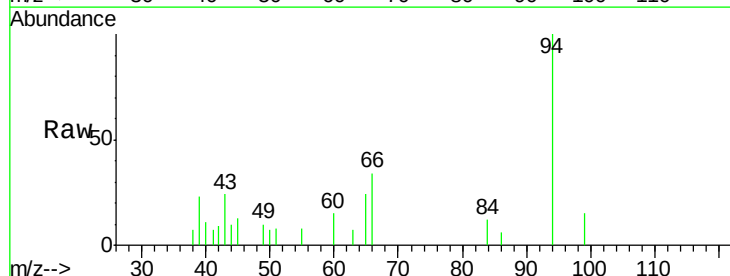


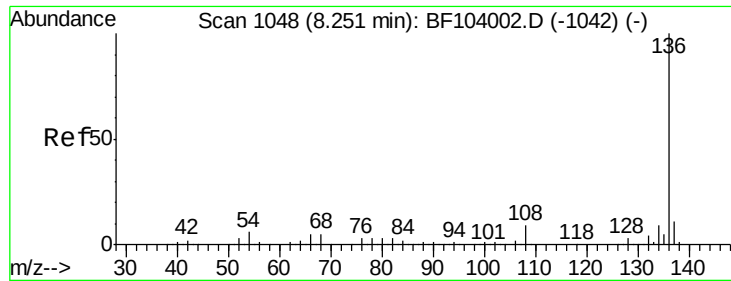
#10

Phenol

Concen: 6.161 ng m
RT: 6.64 min Scan# 774
Delta R.T. 0.04 min
Lab File: BF104096.D
Acq: 30 Mar 2018 16:54

Tgt Ion	Ratio	Lower	Upper
94	100		
65	24.2	7.9	47.9
66	33.6	16.2	56.2





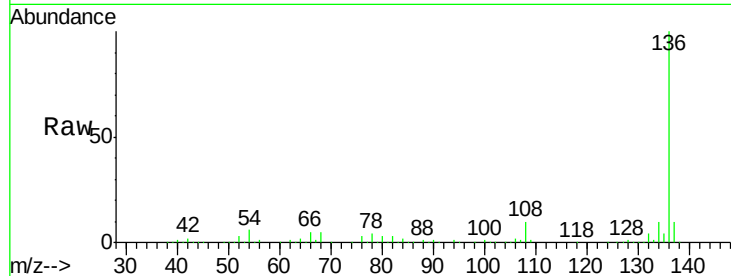
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1046
Delta R.T. 0.00 min
Lab File: BF104096.D
Acq: 30 Mar 2018 16:54

Instrument :
BNA_F
ClientSampled :
PAD-2

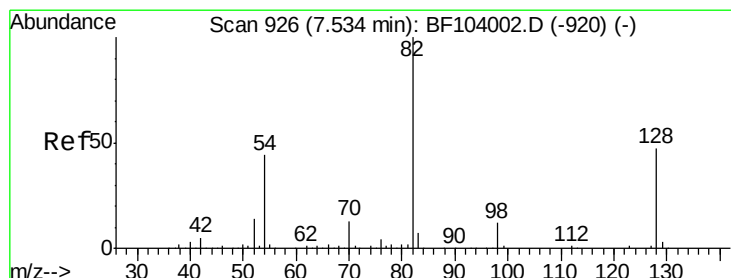
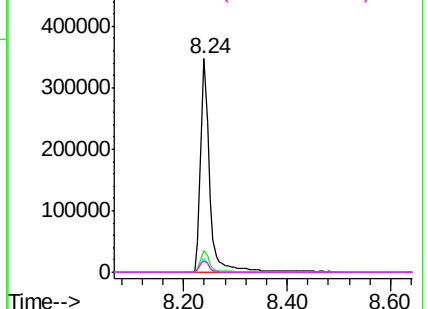
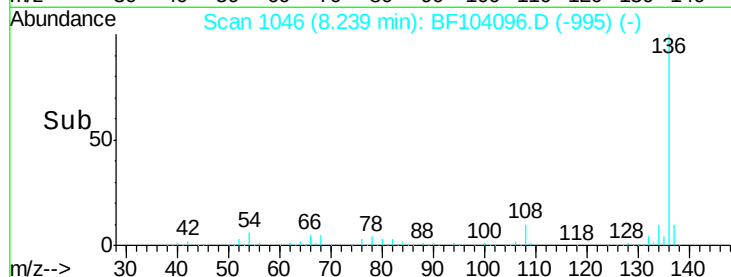
Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100				
137	10.4	8.9	13.3		
54	6.4	6.6	9.8#		
68	5.4	5.0	7.4		

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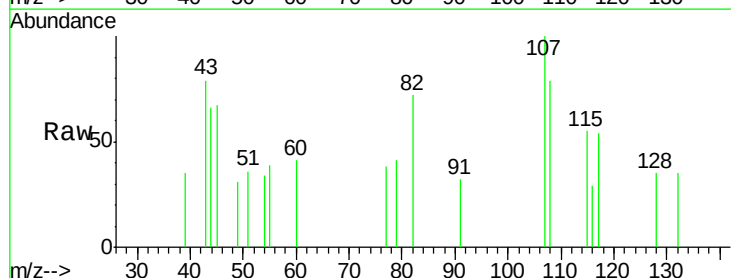


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

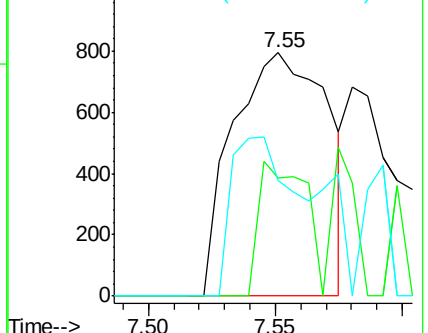
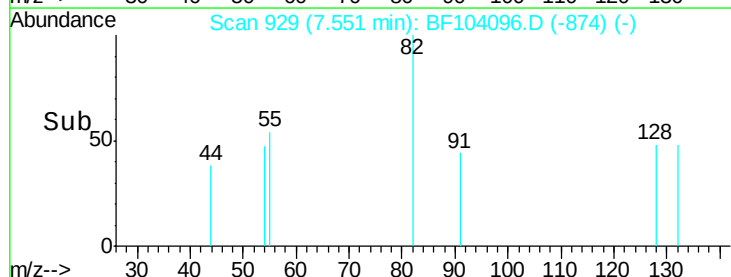


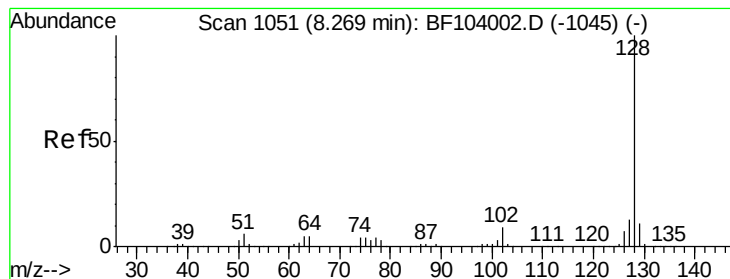
#23
Nitrobenzene-d5
Concen: 0.293 ng
RT: 7.55 min Scan# 929
Delta R.T. 0.02 min
Lab File: BF104096.D
Acq: 30 Mar 2018 16:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100				
128	48.4	36.1	54.1		
54	47.4	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: 74.755 ng

RT: 8.26 min Scan# 1050

Delta R.T. 0.00 min

Lab File: BF104096.D

Acq: 30 Mar 2018 16:54

Instrument :

BNA_F

ClientSampleId :

PAD-2

Tot Ion:128 Resp: 1569372

Ion Ratio Lower Upper

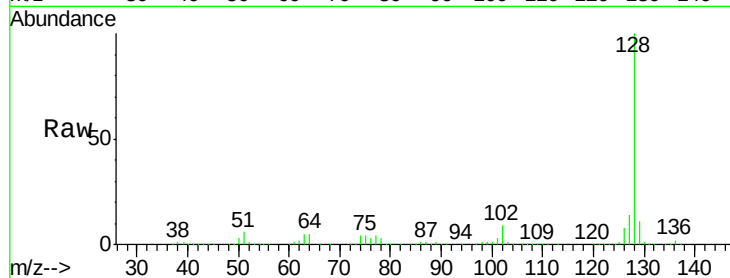
128 100

129 11.3 8.8 13.2

127 13.7 10.9 16.3

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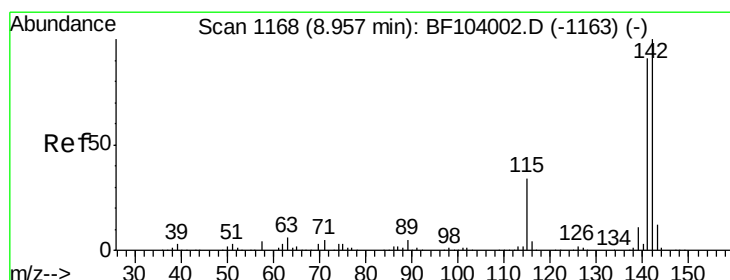
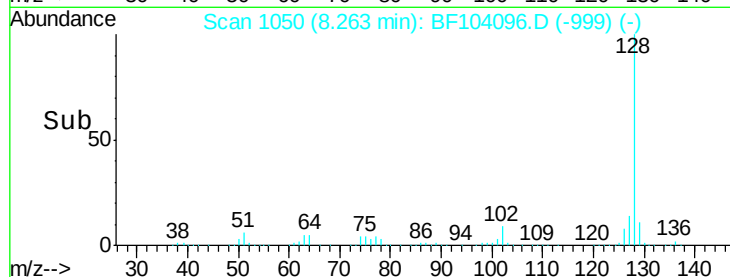
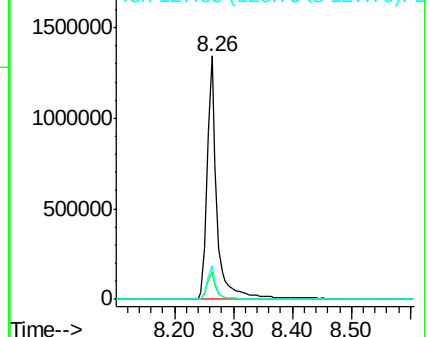
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#37

2-Methylnaphthalene

Concen: 13.048 ng

RT: 8.95 min Scan# 1167

Delta R.T. 0.00 min

Lab File: BF104096.D

Acq: 30 Mar 2018 16:54

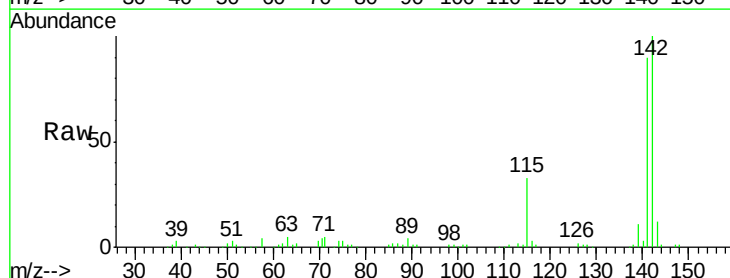
Tgt Ion:142 Resp: 180437

Ion Ratio Lower Upper

142 100

141 89.7 70.8 106.2

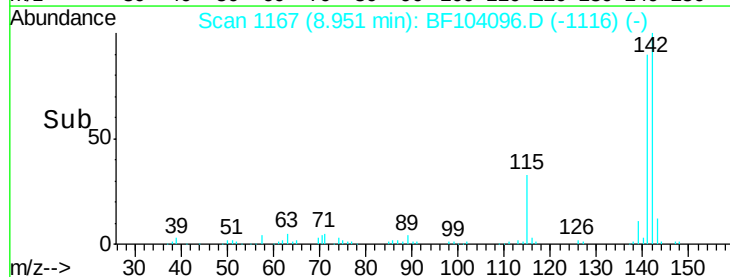
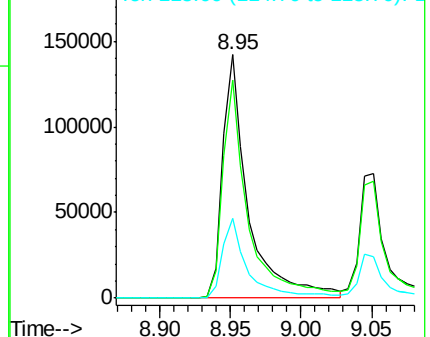
115 32.7 26.1 39.1

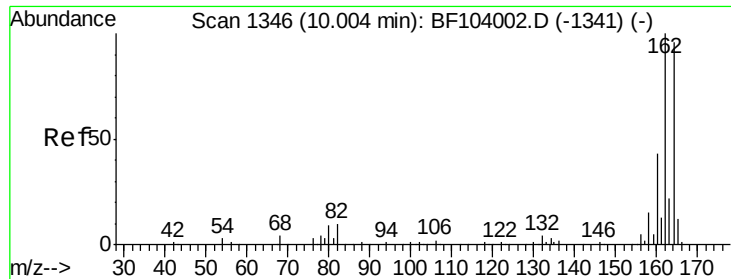


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





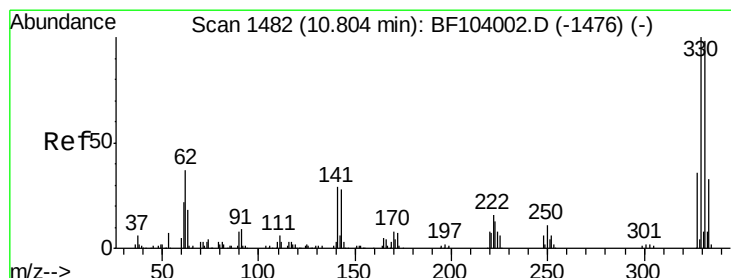
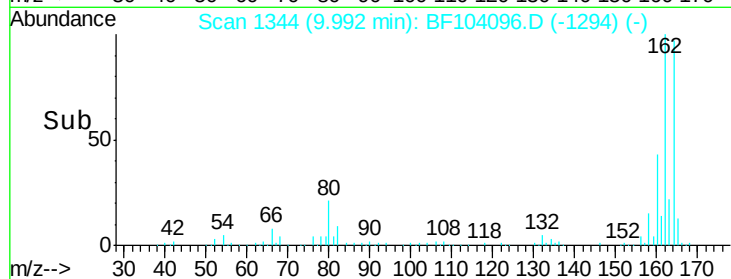
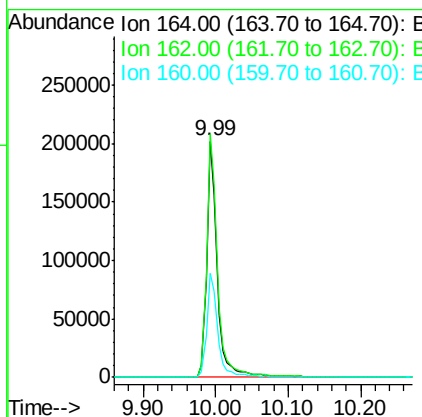
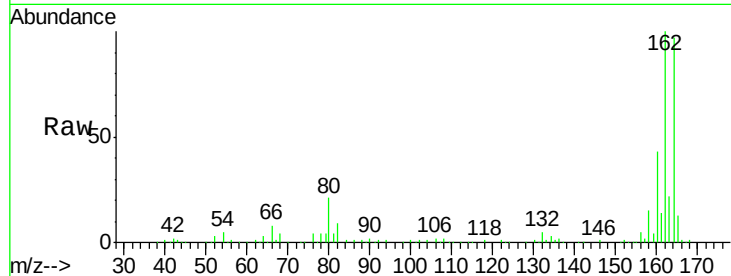
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.99 min Scan# 1344
Delta R.T. -0.01 min
Lab File: BF104096.D
Acq: 30 Mar 2018 16:54

Instrument :
BNA_F
ClientSampled :
PAD-2

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.9	86.1	129.1
160	44.2	38.3	57.5

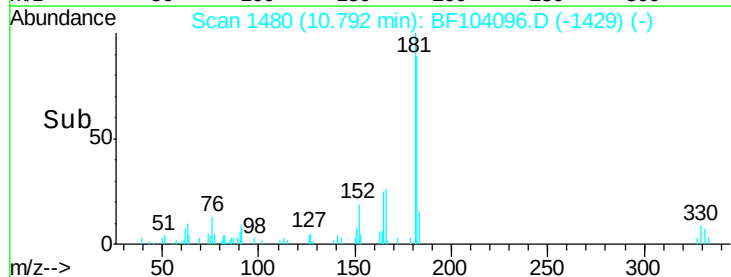
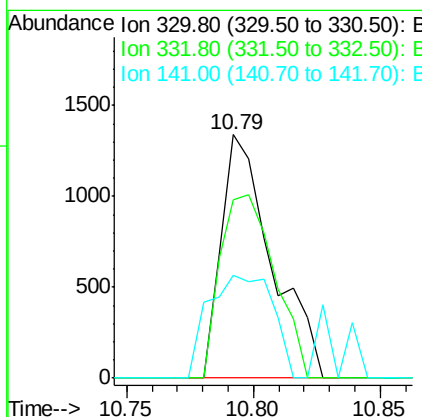
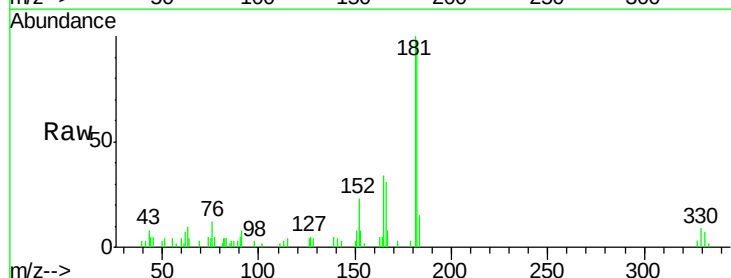
Manual Integrations
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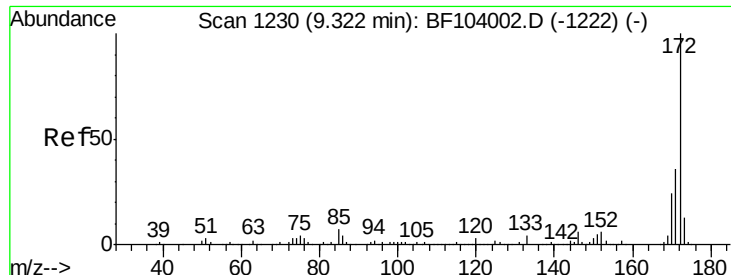
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#41
2,4,6-Tribromophenol
Concen: 0.800 ng
RT: 10.79 min Scan# 1480
Delta R.T. 0.00 min
Lab File: BF104096.D
Acq: 30 Mar 2018 16:54

Tgt Ion	Ratio	Lower	Upper
330	100		
332	80.6	77.0	115.6
141	53.7	29.9	44.9#





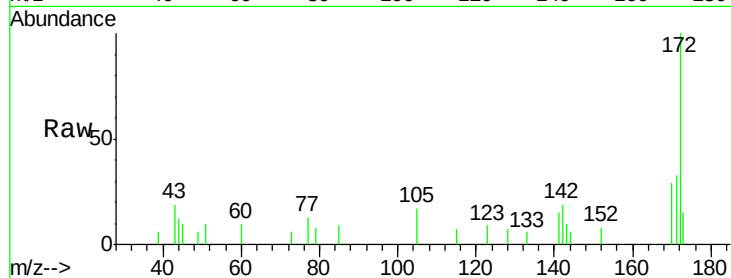
#44
 2-Fluorobiphenyl
 Concen: 0.563 ng
 RT: 9.31 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: BF104096.D
 Acq: 30 Mar 2018 16:54

Instrument :
 BNA_F
 ClientSampled :
 PAD-2

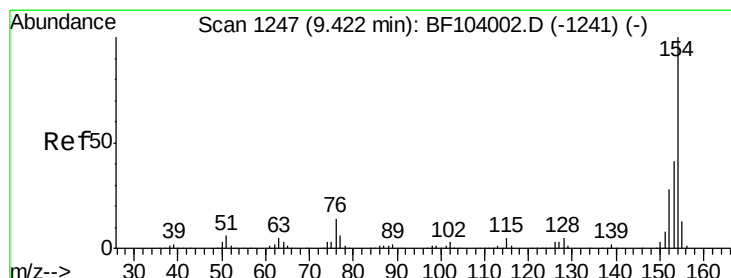
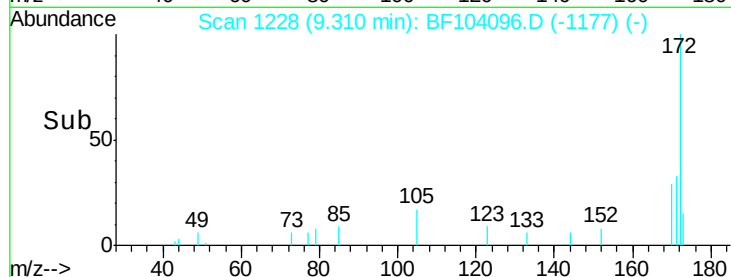
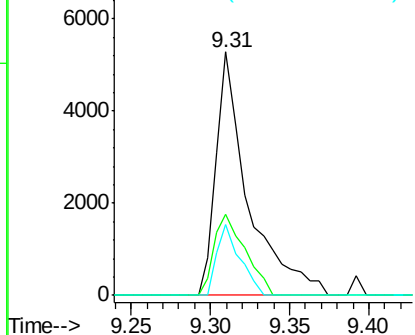
Tot Ion	Ratio	Lower	Upper
172	100		
171	33.3	29.7	44.5
170	29.1	19.6	29.4

Manual Integrations
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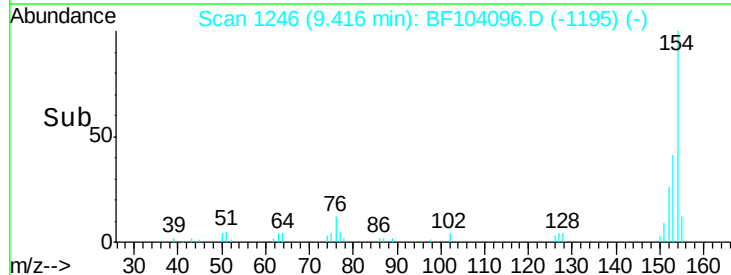
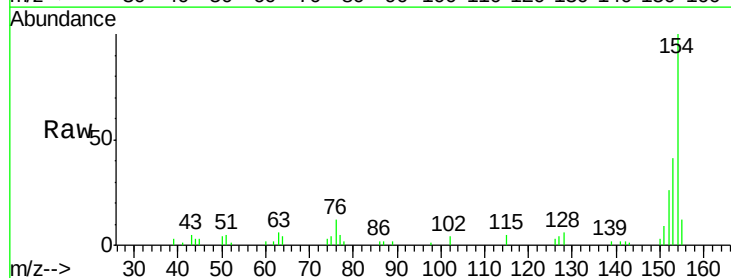
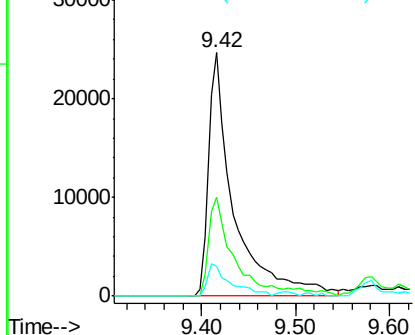
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

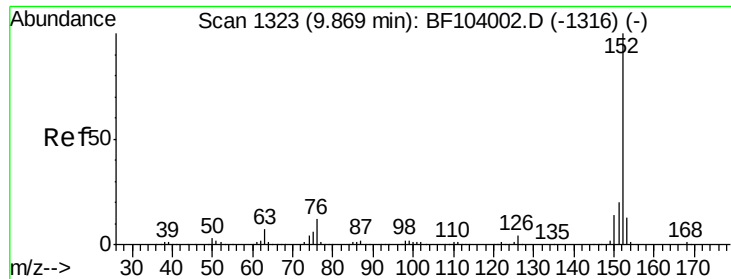


#45
 1,1'-Biphenyl
 Concen: 2.595 ng
 RT: 9.42 min Scan# 1246
 Delta R.T. 0.00 min
 Lab File: BF104096.D
 Acq: 30 Mar 2018 16:54

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.6	21.3	61.3
76	12.5	0.0	34.0

Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF1





#48

Acenaphthylene

Concen: 10.813 ng

RT: 9.86 min Scan# 1321

Delta R.T. -0.01 min

Lab File: BF104096.D

Acq: 30 Mar 2018 16:54

Instrument :

BNA_F

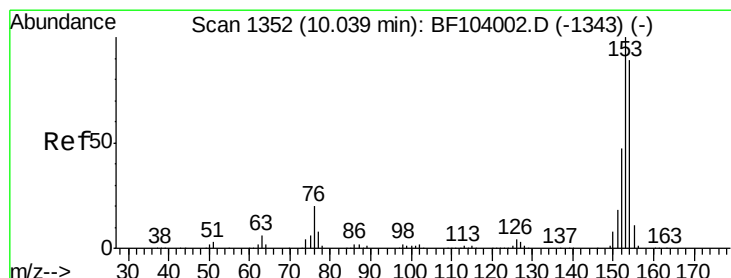
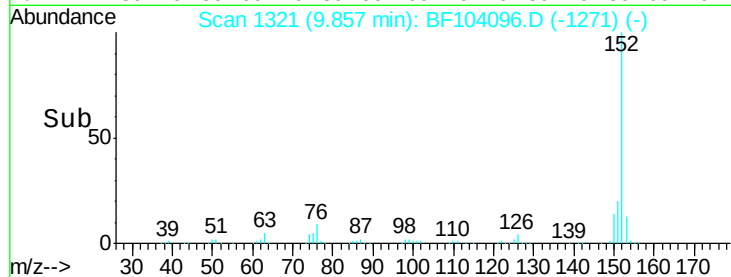
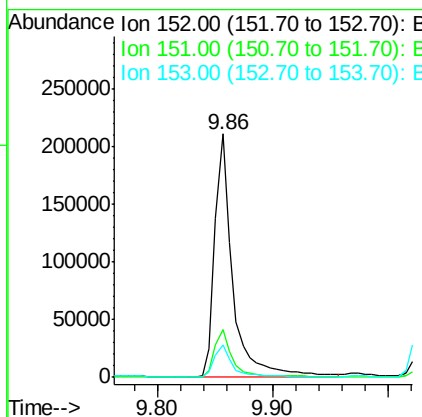
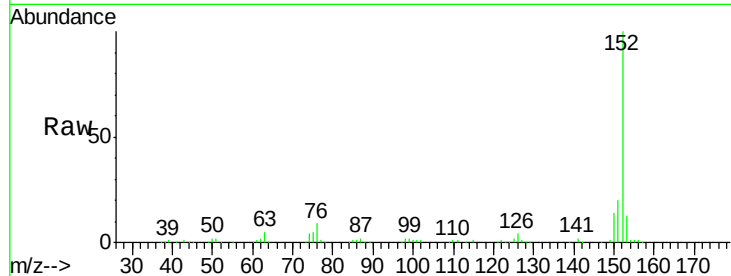
ClientSampled :

PAD-2

Tot Ion:	152	Resp:	232091
Ion Ratio	Lower	Upper	
152	100		
151	19.6	16.3	24.5
153	13.4	10.7	16.1

Manual Integrations
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Sohil
4/2/2018 5:05:37 PM



#51

Acenaphthene

Concen: 3.250 ng

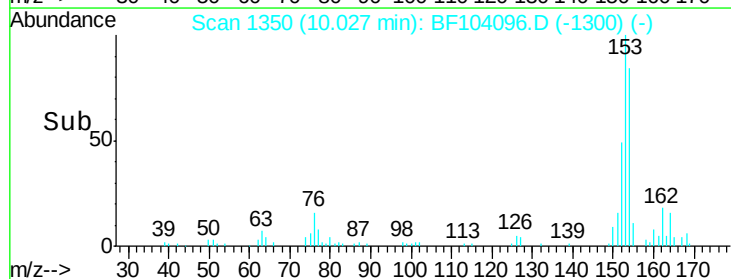
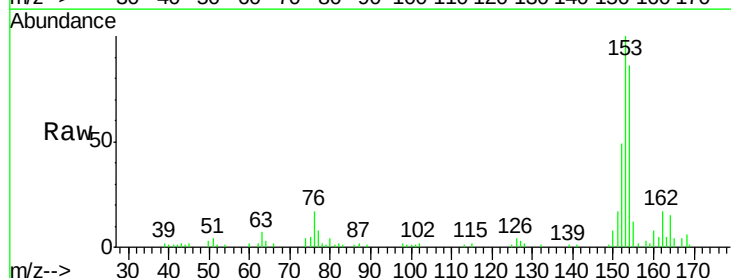
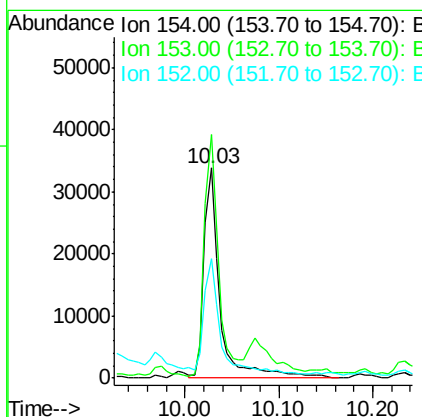
RT: 10.03 min Scan# 1350

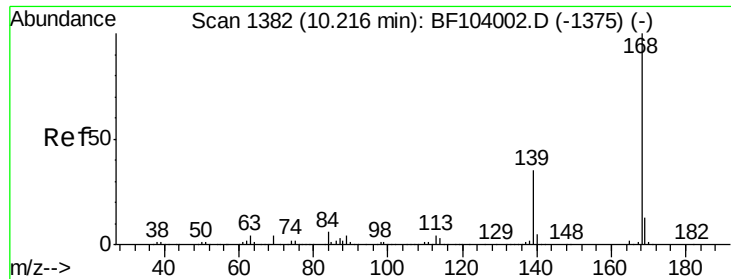
Delta R.T. -0.01 min

Lab File: BF104096.D

Acq: 30 Mar 2018 16:54

Tgt Ion:	154	Resp:	40357
Ion Ratio	Lower	Upper	
154	100		
153	116.1	91.2	136.8
152	56.8	43.8	65.8





#54

Dibenzenofuran

Concen: 9.880 ng

RT: 10.20 min Scan# 1380

Delta R.T. 0.00 min

Lab File: BF104096.D

Acq: 30 Mar 2018 16:54

Instrument :

BNA_F

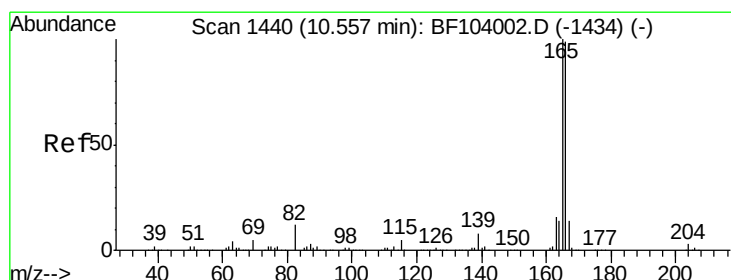
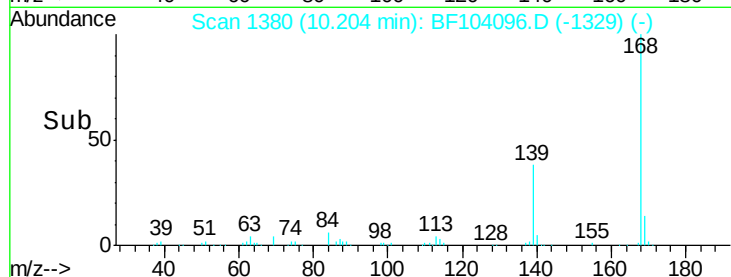
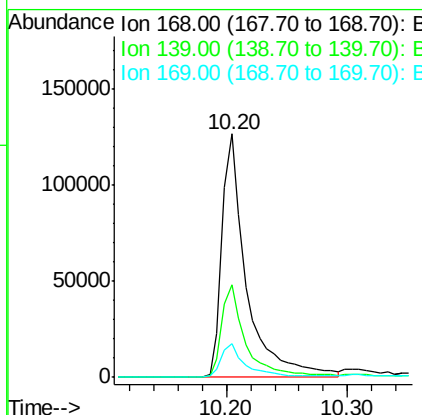
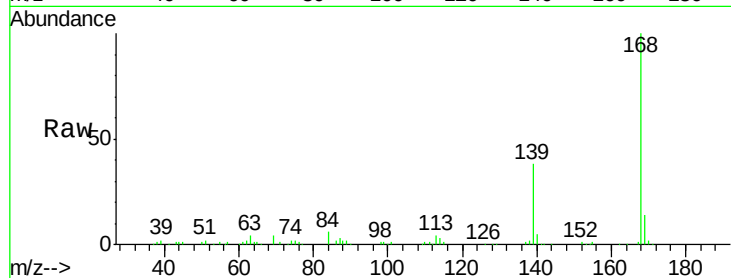
ClientSampled :

PAD-2

Tot Ion:	168	Resp:	179140
Ion Ratio	Lower	Upper	
168	100		
139	37.9	30.1	45.1
169	13.6	10.9	16.3

Manual Integrations
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#57

Fluorene

Concen: 14.672 ng

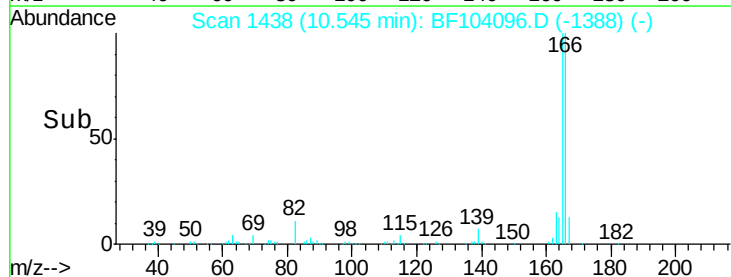
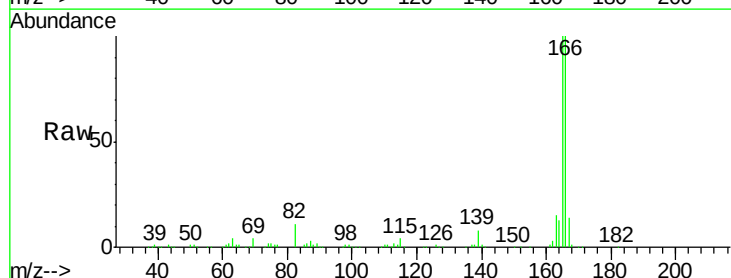
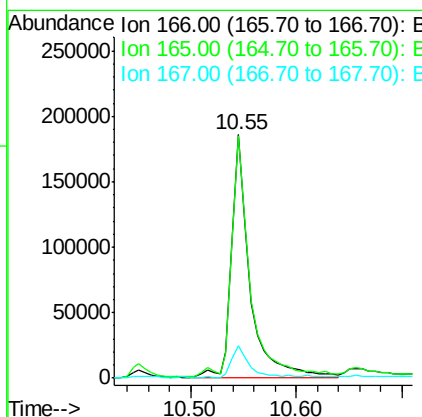
RT: 10.55 min Scan# 1438

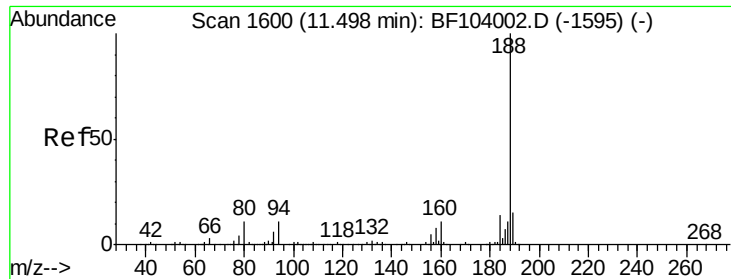
Delta R.T. -0.01 min

Lab File: BF104096.D

Acq: 30 Mar 2018 16:54

Tgt Ion:	166	Resp:	219448
Ion Ratio	Lower	Upper	
166	100		
165	99.8	79.8	119.8
167	13.5	10.6	16.0





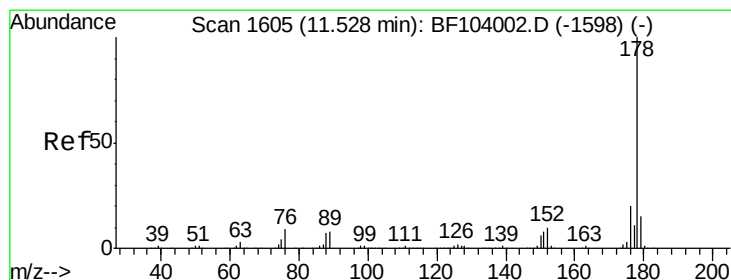
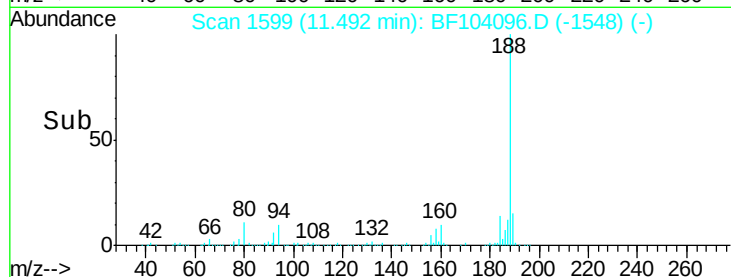
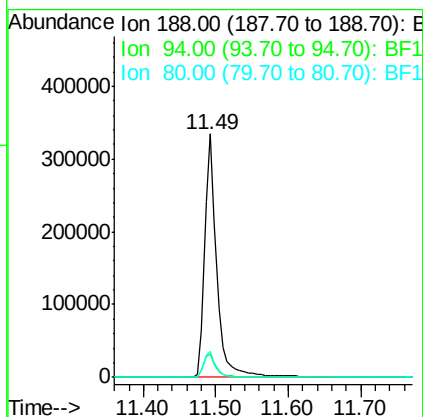
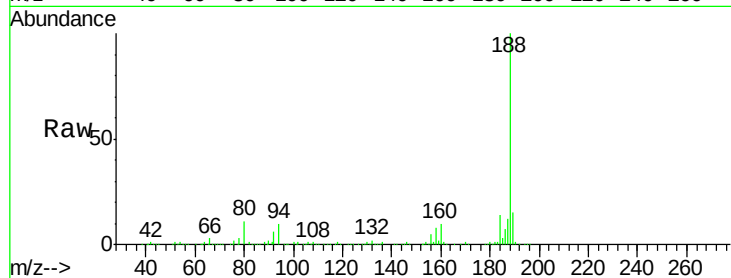
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1599
Delta R.T. 0.00 min
Lab File: BF104096.D
Acq: 30 Mar 2018 16:54

Instrument :
BNA_F
ClientSampled :
PAD-2

Tot Ion	Ratio	Resp	Lower	Upper
188	100	389613		
94	9.6		8.5	12.7
80	10.8		9.2	13.8

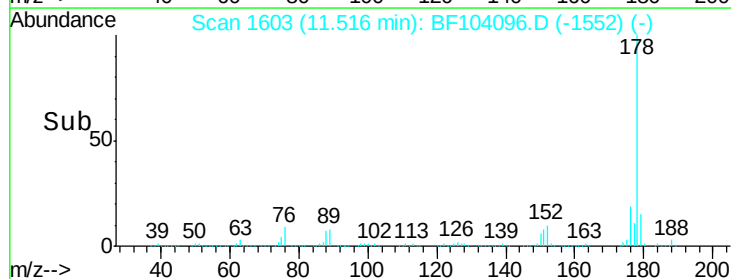
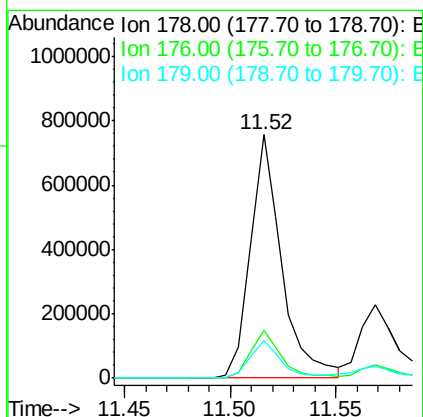
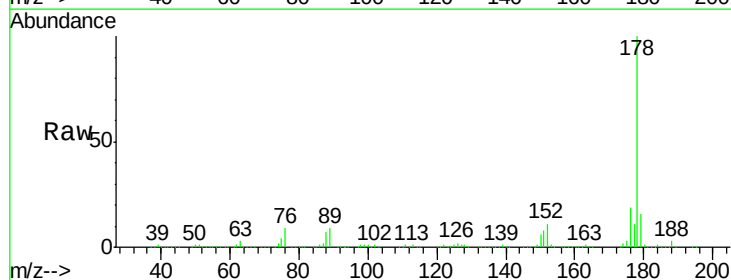
Manual Integrations
APPROVED

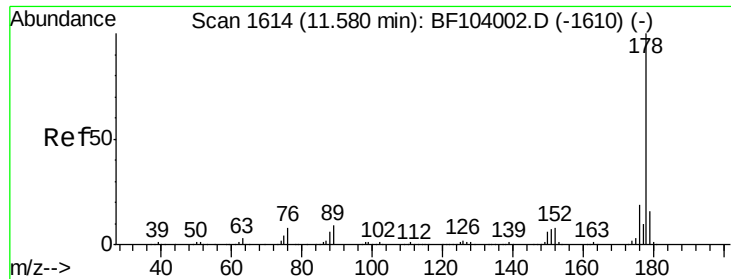
Sohil
4/2/2018 5:05:37 PM



#70
Phenanthrene
Concen: 37.091 ng
RT: 11.52 min Scan# 1603
Delta R.T. 0.00 min
Lab File: BF104096.D
Acq: 30 Mar 2018 16:54

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	782407		
176	19.5		15.8	23.8
179	15.5		13.0	19.6





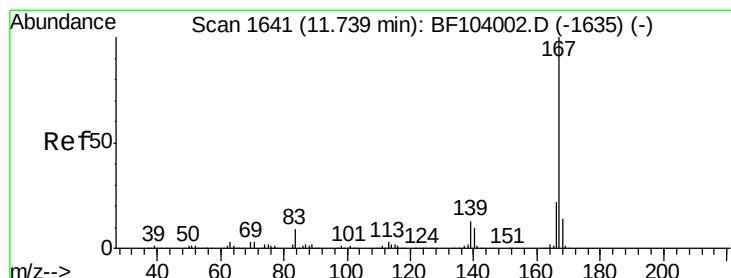
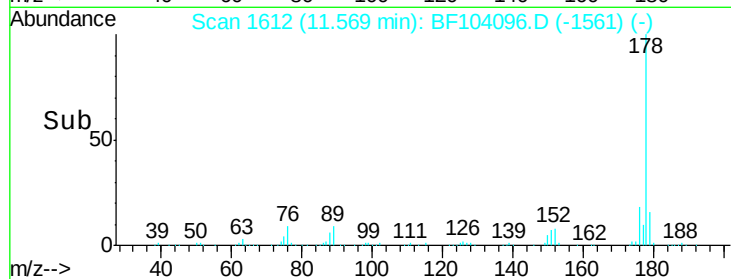
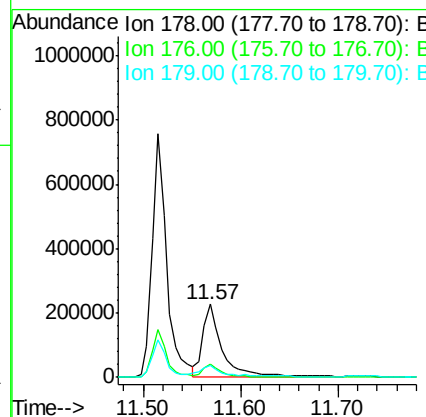
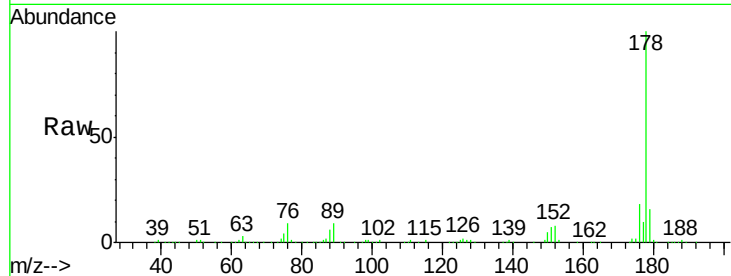
#71
 Anthracene
 Concen: 14.016 ng
 RT: 11.57 min Scan# 1612
 Delta R.T. 0.00 min
 Lab File: BF104096.D
 Acq: 30 Mar 2018 16:54

Instrument :
 BNA_F
 ClientSampled :
 PAD-2

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.2
179	15.9	12.6	19.0

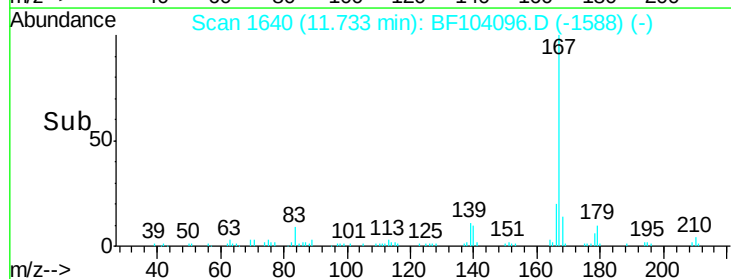
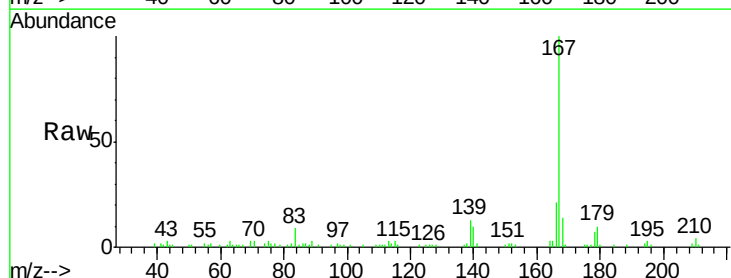
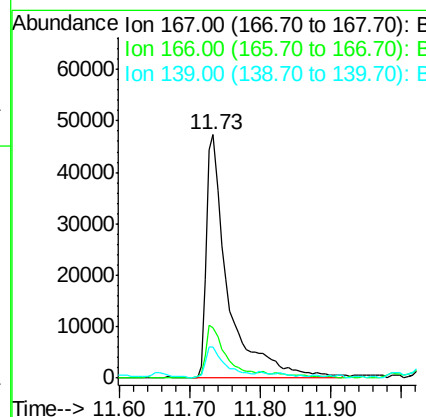
Manual Integrations
 APPROVED

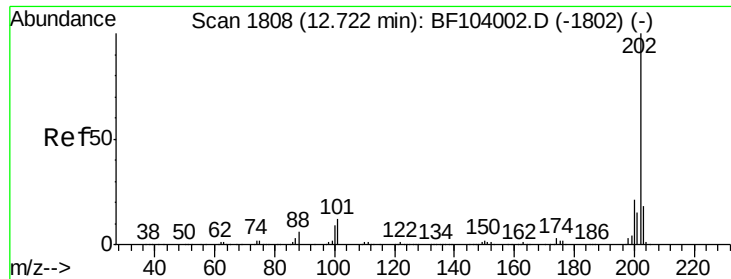
Sohil
 4/2/2018 5:05:37 PM



#72
 Carbazole
 Concen: 4.852 ng
 RT: 11.73 min Scan# 1640
 Delta R.T. 0.01 min
 Lab File: BF104096.D
 Acq: 30 Mar 2018 16:54

Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.8	17.6	26.4
139	12.5	10.9	16.3





#74

Fluoranthene

Concen: 26.545 ng

RT: 12.71 min Scan# 1806

Delta R.T. 0.00 min

Lab File: BF104096.D

Acq: 30 Mar 2018 16:54

Instrument :

BNA_F

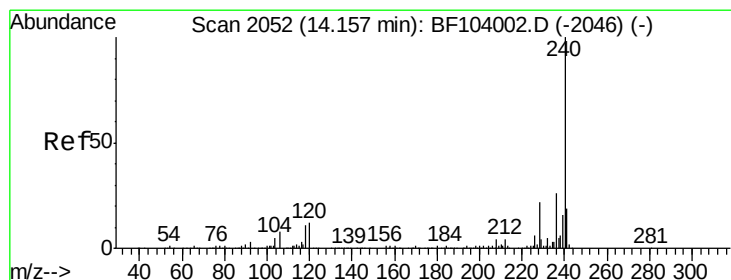
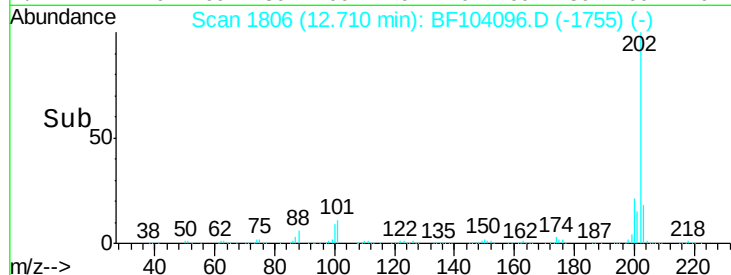
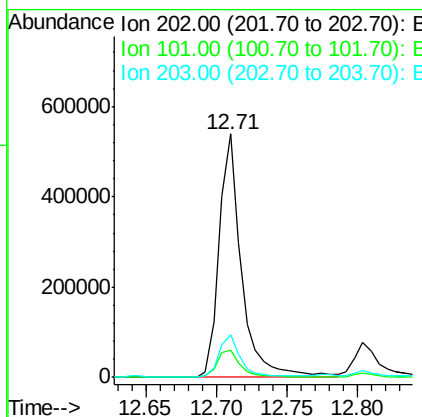
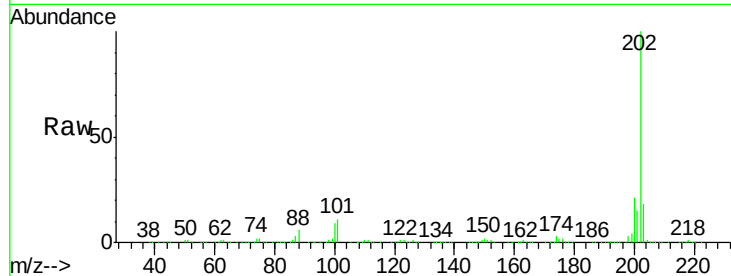
ClientSampled :

PAD-2

Tot Ion	Ratio	Resp	Lower	Upper
202	100	595186		
101	11.5	0.0	34.1	
203	17.5	0.0	38.1	

Manual Integrations
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4/2/2018 5:05:37 PM



#75

Chrysene-d12

Concen: 20.000 ng

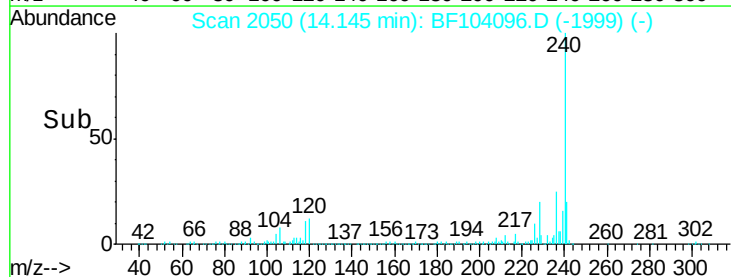
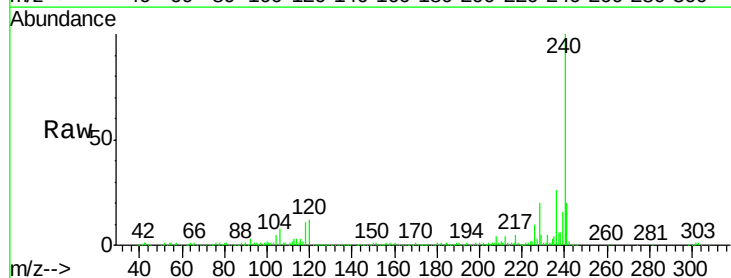
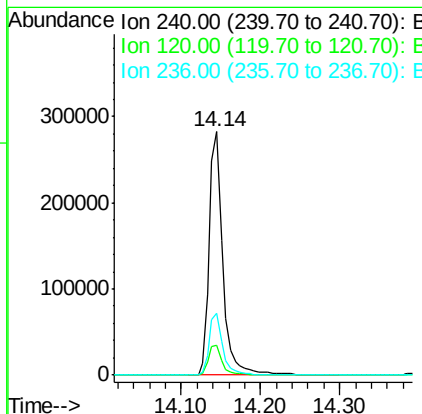
RT: 14.14 min Scan# 2050

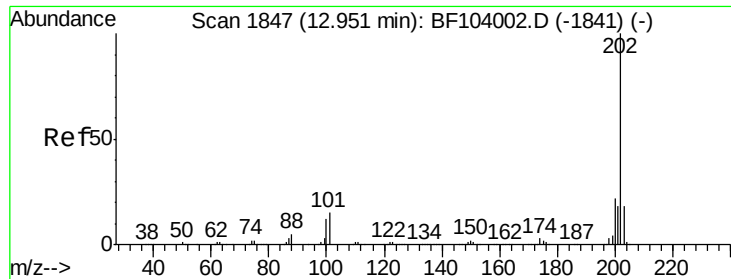
Delta R.T. 0.00 min

Lab File: BF104096.D

Acq: 30 Mar 2018 16:54

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	339483		
120	12.2	9.5	14.3	
236	25.5	20.7	31.1	





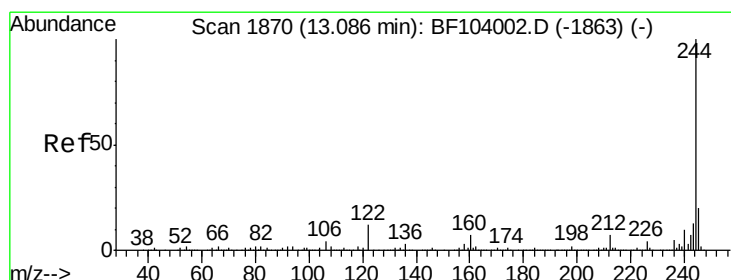
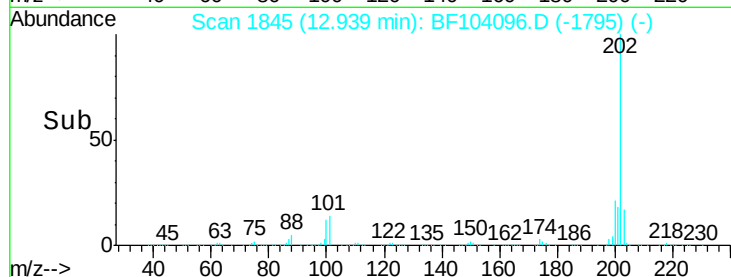
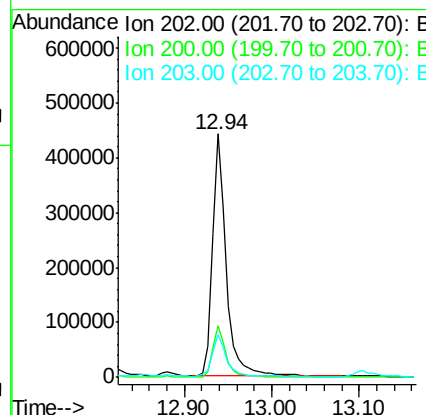
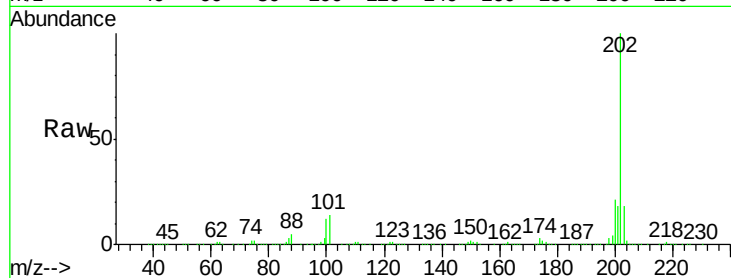
#77
Pvrene
Concen: 19.739 ng
RT: 12.94 min Scan# 1845
Delta R.T. -0.01 min
Lab File: BF104096.D
Acq: 30 Mar 2018 16:54

Instrument :
BNA_F
ClientSampled :
PAD-2

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.4	26.2
203	17.5	14.3	21.5

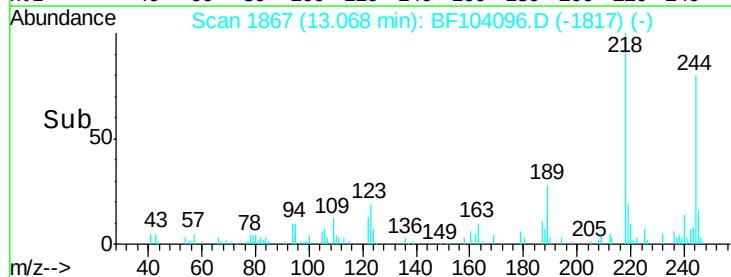
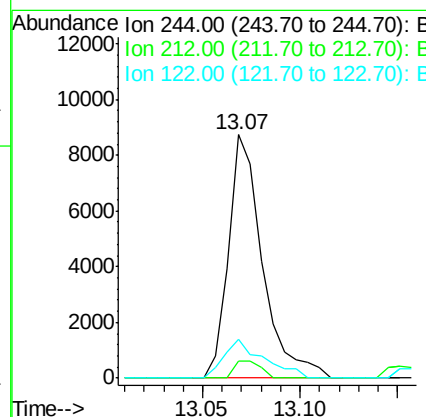
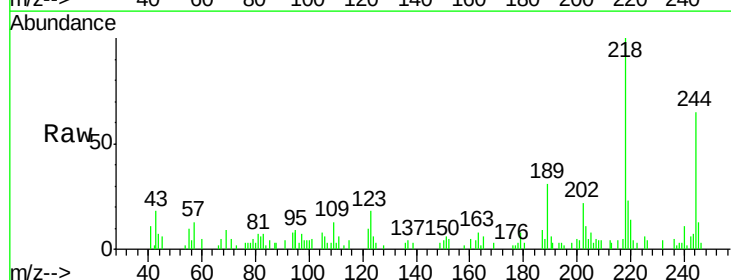
Manual Integrations
APPROVED

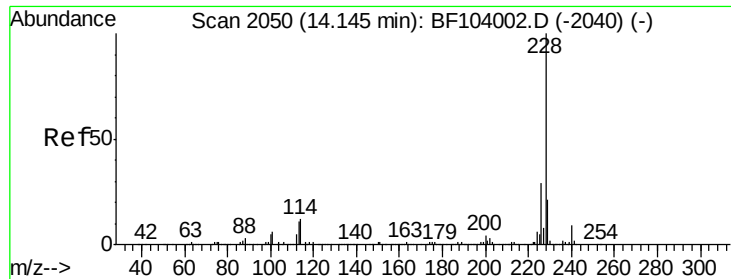
Sohil
4/2/2018 5:05:37 PM



#78
Terphenyl-d14
Concen: 0.717 ng
RT: 13.07 min Scan# 1867
Delta R.T. -0.01 min
Lab File: BF104096.D
Acq: 30 Mar 2018 16:54

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	15.7	11.0	16.4





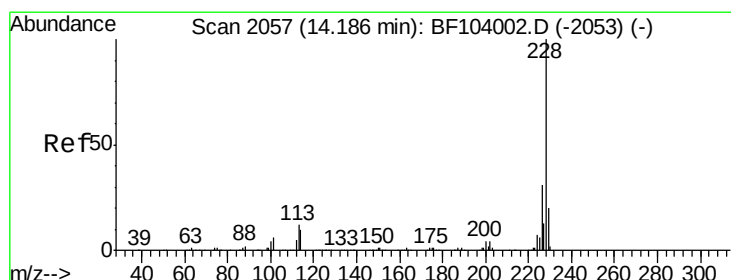
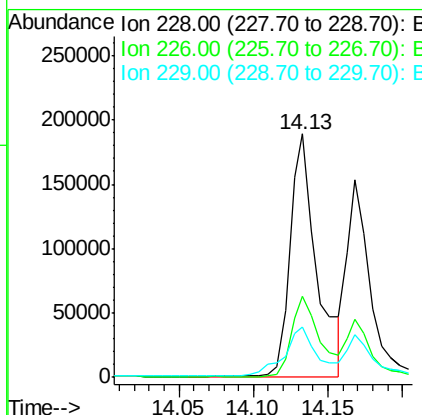
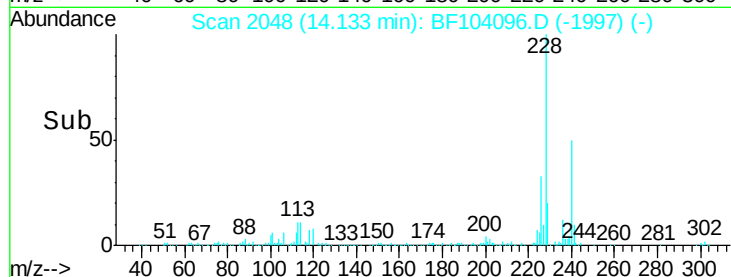
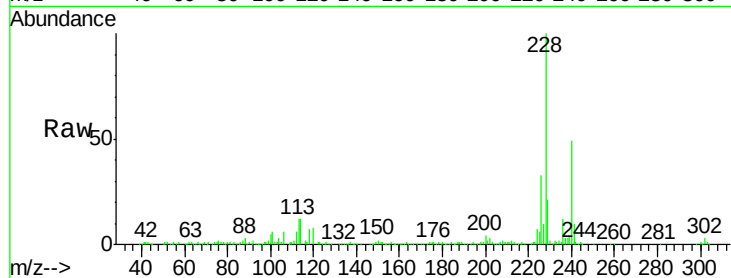
#80
Benzo(a)anthracene
Concen: 11.194 ng
RT: 14.13 min Scan# 2048
Delta R.T. 0.00 min
Lab File: BF104096.D
Acq: 30 Mar 2018 16:54

Instrument :
BNA_F
ClientSampled :
PAD-2

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.3	22.6	33.8
229	20.8	15.8	23.6

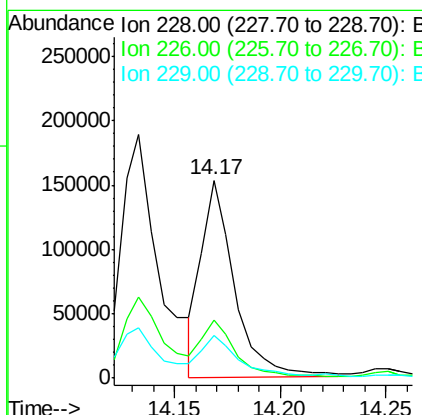
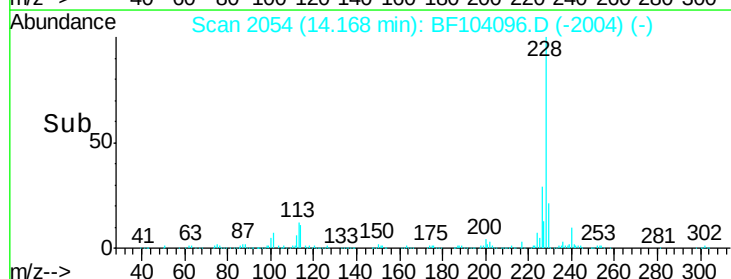
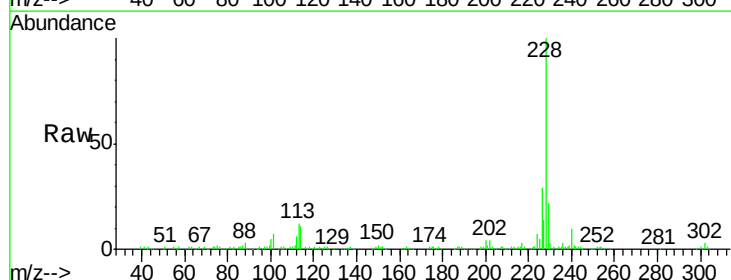
Manual Integrations
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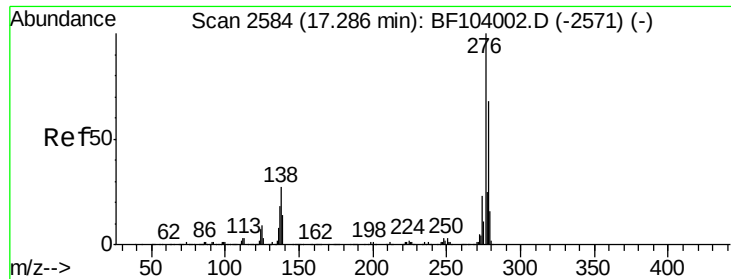
Sohil
4/2/2018 5:05:37 PM



#82
Chrysene
Concen: 8.092 ng
RT: 14.17 min Scan# 2054
Delta R.T. -0.01 min
Lab File: BF104096.D
Acq: 30 Mar 2018 16:54

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.2	25.0	37.6
229	21.7	16.2	24.4





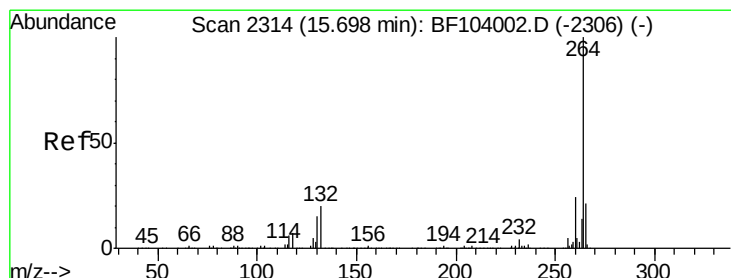
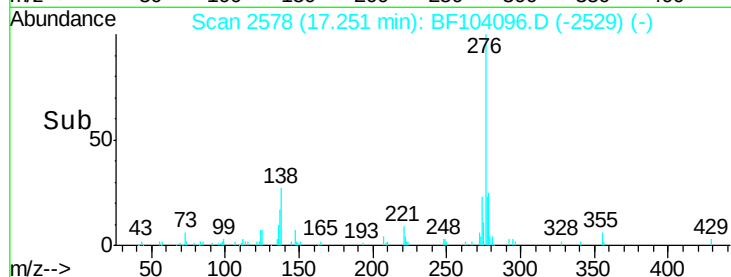
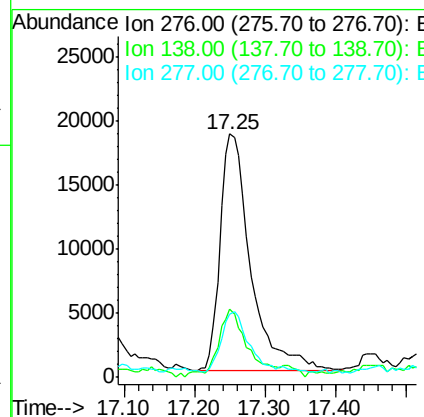
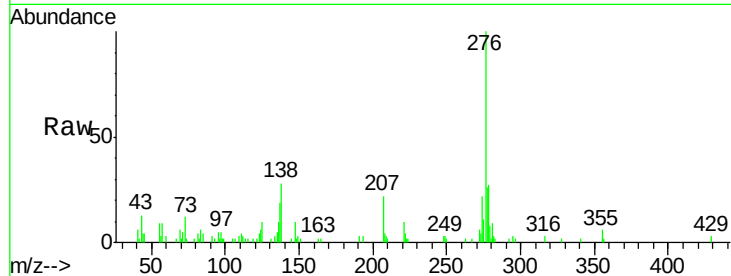
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.581 ng
RT: 17.25 min Scan# 2578
Delta R.T. -0.01 min
Lab File: BF104096.D
Acq: 30 Mar 2018 16:54

Instrument :
BNA_F
ClientSampled :
PAD-2

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.2	25.0	37.6#
277	22.3	20.1	30.1

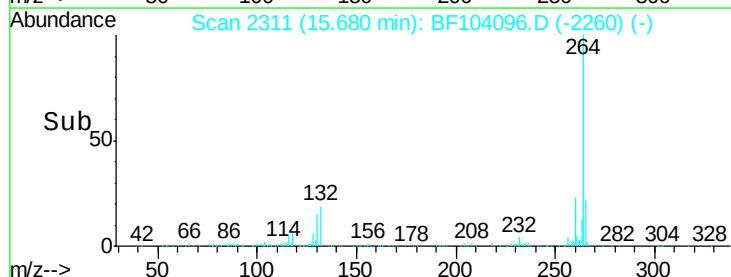
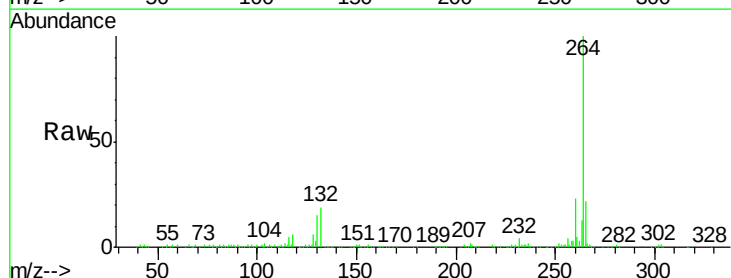
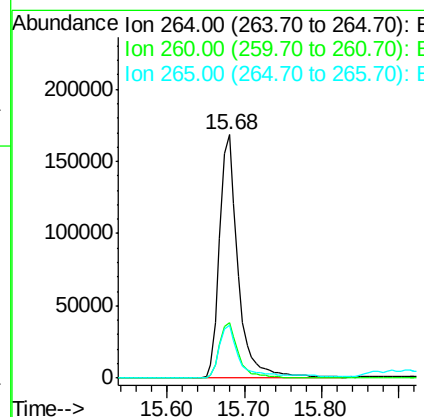
Manual Integrations
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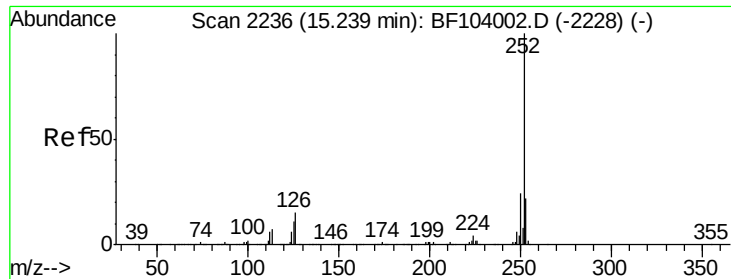
Sohil
4/2/2018 5:05:37 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2311
Delta R.T. 0.00 min
Lab File: BF104096.D
Acq: 30 Mar 2018 16:54

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.7	19.2	28.8
265	21.8	17.5	26.3





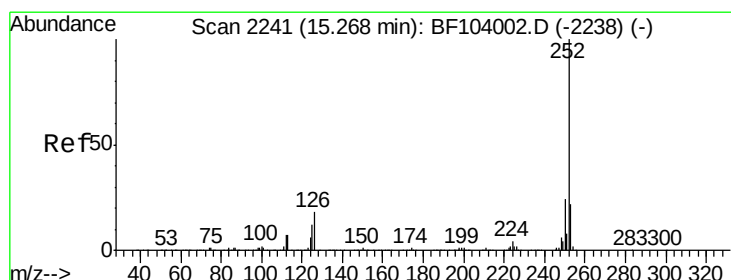
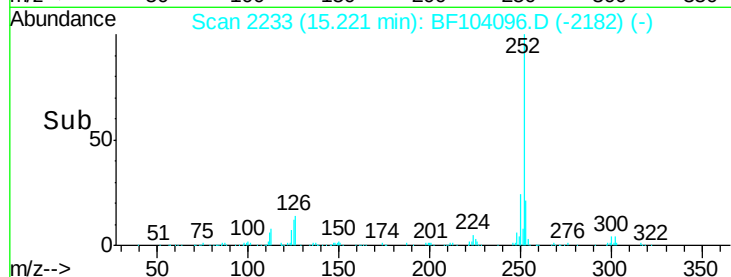
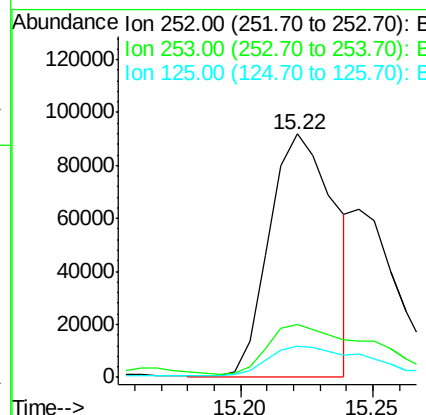
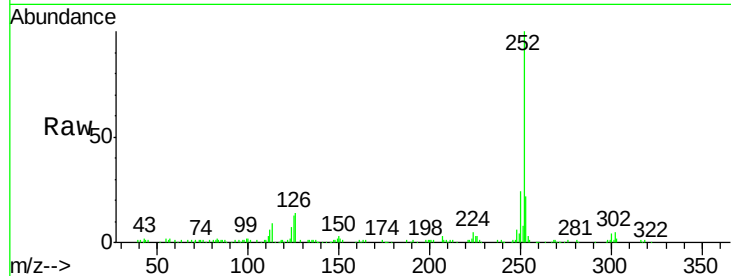
#87
Benzo(b)fluoranthene
Concen: 9.252 ng m
RT: 15.22 min Scan# 2233
Delta R.T. 0.00 min
Lab File: BF104096.D
Acq: 30 Mar 2018 16:54

Instrument :
BNA_F
ClientSampleId :
PAD-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.0	25.6
125	12.7	9.0	13.6

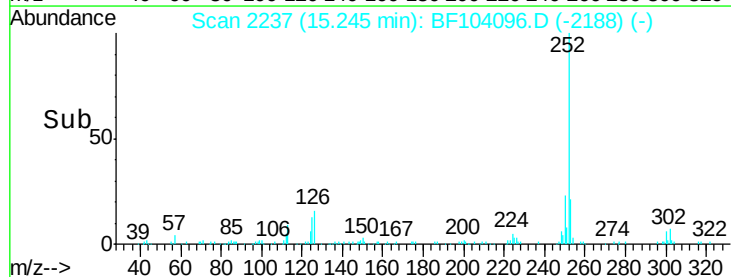
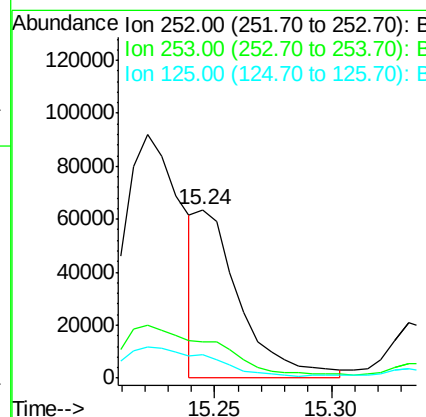
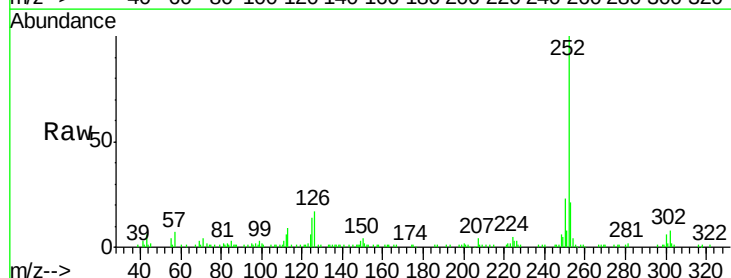
Manual Integrations
APPROVED

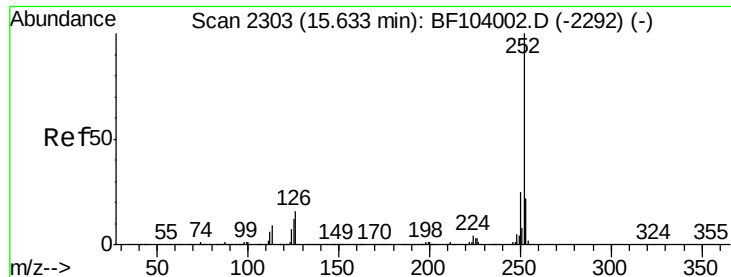
Sohil
4/2/2018 5:05:37 PM



#88
Benzo(k)fluoranthene
Concen: 5.102 ng m
RT: 15.24 min Scan# 2237
Delta R.T. -0.01 min
Lab File: BF104096.D
Acq: 30 Mar 2018 16:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.9	26.9
125	13.6	10.2	15.2





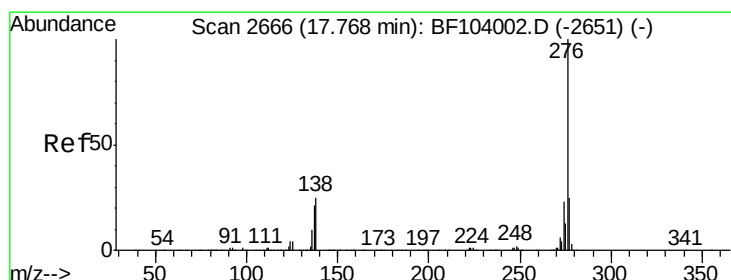
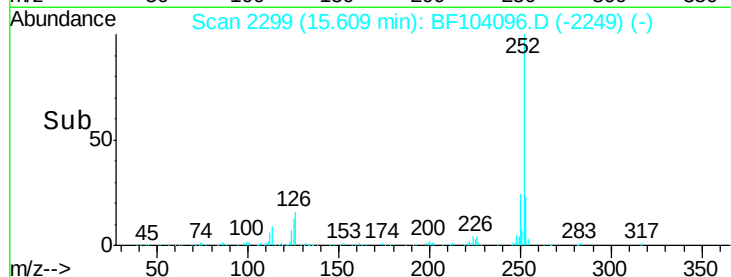
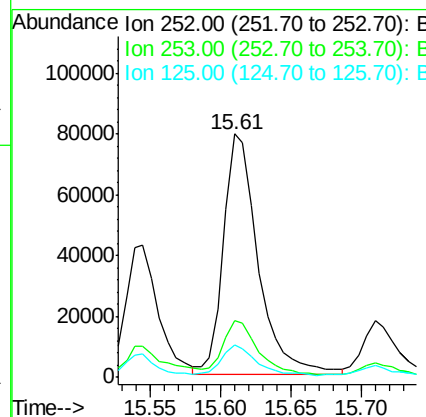
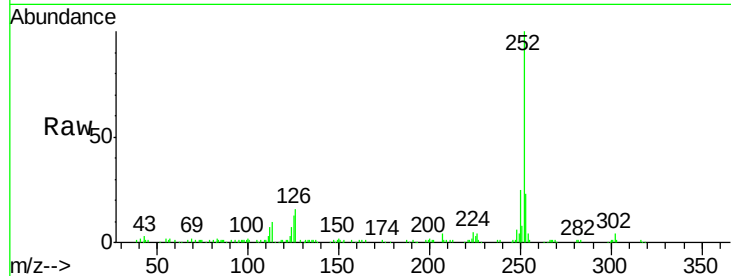
#89
Benzo(a)pyrene
Concen: 8.625 ng
RT: 15.61 min Scan# 2299
Delta R.T. -0.01 min
Lab File: BF104096.D
Acq: 30 Mar 2018 16:54

Instrument :
BNA_F
ClientSampled :
PAD-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.1	25.7
125	13.4	9.8	14.6

Manual Integrations
APPROVED

Sohil
4/2/2018 5:05:37 PM



#91
Benzo(g,h,i)perylene
Concen: 3.248 ng
RT: 17.73 min Scan# 2660
Delta R.T. -0.01 min
Lab File: BF104096.D
Acq: 30 Mar 2018 16:54

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.2	17.9	26.9
138	25.0	21.8	32.8

