

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF032018\
 Data File : BF103814.D
 Acq On : 20 Mar 2018 20:36
 Operator : JU/SJ
 Sample : J1982-06
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-111(5-6)

Manual Integrations
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Quant Time: Mar 21 12:44:20 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 15 18:31:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	147652	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	557505	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	235454	20.00	ng	0.01
63) Phenanthrene-d10	11.51	188	432882	20.00	ng	0.01
75) Chrysene-d12	14.16	240	275885	20.00	ng	0.01
86) Perylene-d12	15.70	264	251432	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	1316781	135.64	ng	0.02
7) Phenol-d6	6.60	99	1632108	137.42	ng	0.02
23) Nitrobenzene-d5	7.54	82	874819	109.43	ng	0.00
41) 2,4,6-Tribromophenol	10.82	330	315466	155.83	ng	0.02
44) 2-Fluorobiphenyl	9.33	172	1217407	82.48	ng	0.00
78) Terphenyl-d14	13.10	244	1018056	85.65	ng	0.01
Target Compounds						
31) Naphthalene	8.28	128	309597	10.993	ng	# 96
48) Acenaphthylene	9.88	152	110242	4.559	ng	# 84
49) Dimethylphthalate	9.72	163	141801	7.894	ng	# 95
51) Acenaphthene	10.06	154	347390	24.194	ng	98
54) Dibenzofuran	10.22	168	311724	15.201	ng	# 90
57) Fluorene	10.57	166	656130	41.233	ng	99
70) Phenanthrene	11.53	178	635801	26.850	ng	100
71) Anthracene	11.59	178	800179	33.271	ng	100
72) Carbazole	11.74	167	261246	11.176	ng	99
74) Fluoranthene	12.74	202	841246	34.484	ng	100
77) Pyrene	12.96	202	693747	34.241	ng	99
80) Benzo(a)anthracene	14.15	228	317778	18.197	ng	97
82) Chrysene	14.19	228	241810m	14.526	ng	
85) Indeno(1,2,3-cd)pyrene	17.27	276	88111	6.061	ng	95
87) Benzo(b)fluoranthene	15.24	252	293893m	18.501	ng	
88) Benzo(k)fluoranthene	15.27	252	84693m	5.547	ng	
89) Benzo(a)pyrene	15.63	252	210780	14.630	ng	97
91) Benzo(g,h,i)perylene	17.75	276	82219	6.774	ng	96

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

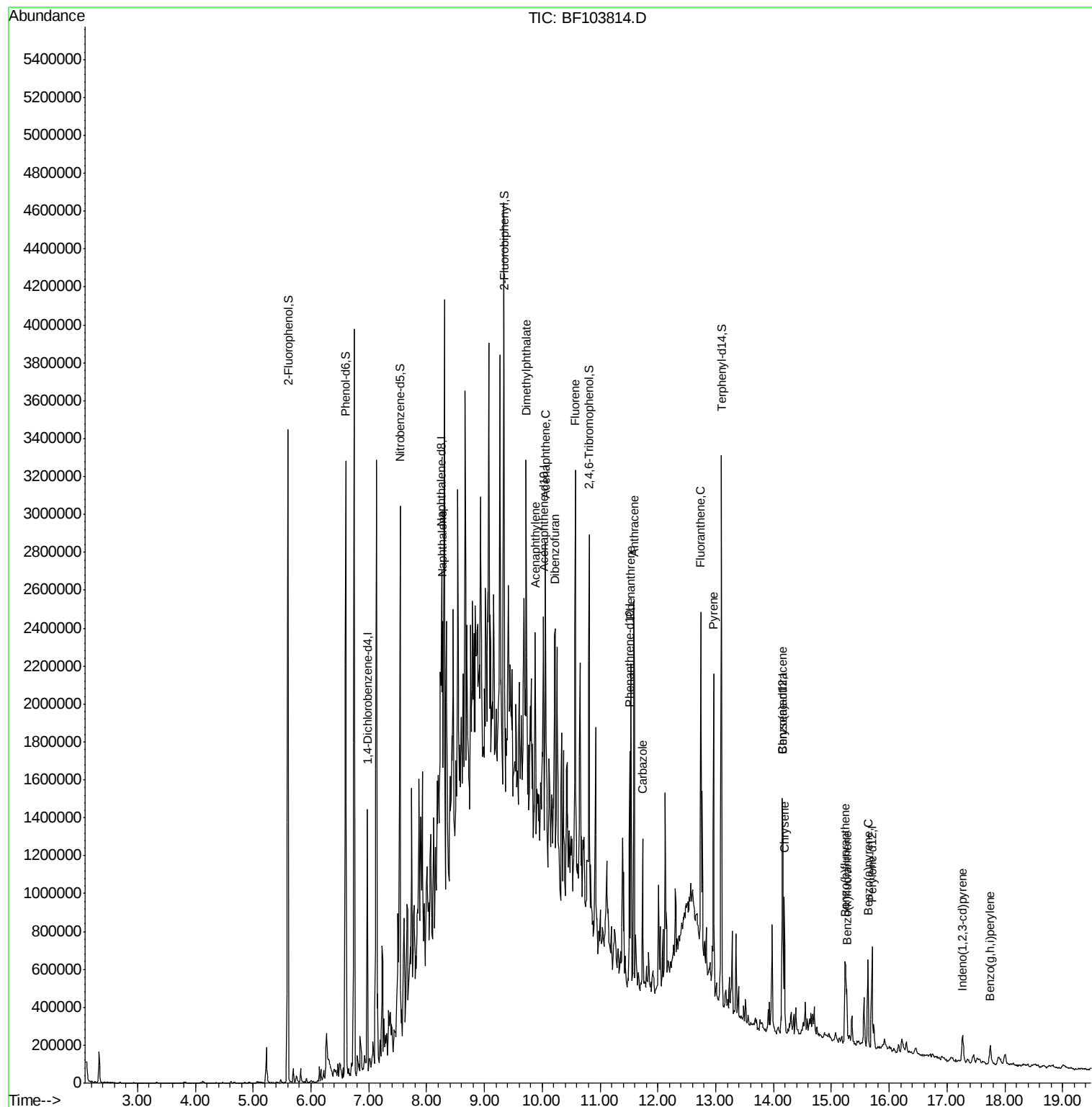
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF032018\
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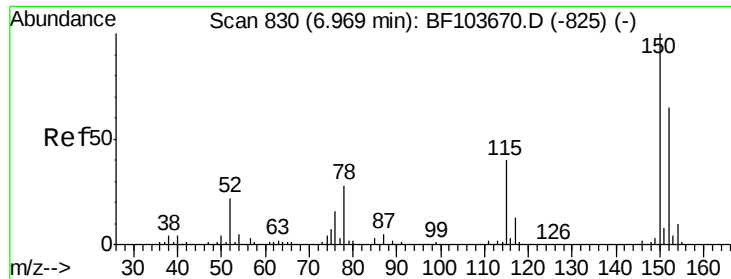
Instrument :
BNA_F
ClientSampleId :
SB-111(5-6)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

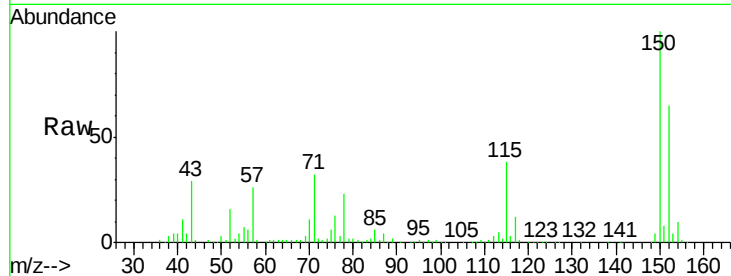
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 831
Delta R.T. 0.01 min
Lab File: BF103814.D
Acq: 20 Mar 2018 20:36

Instrument :
BNA_F
ClientSampleId :
SB-111(5-6)

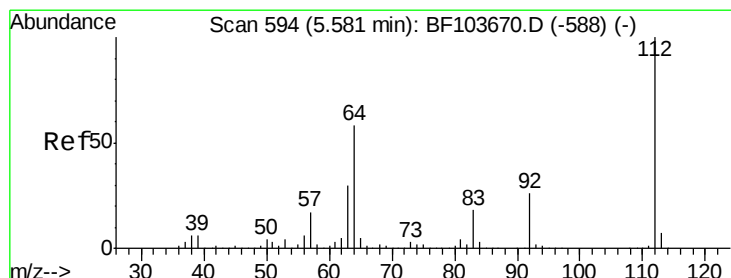
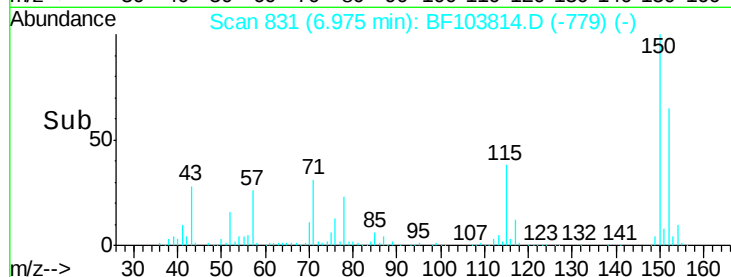
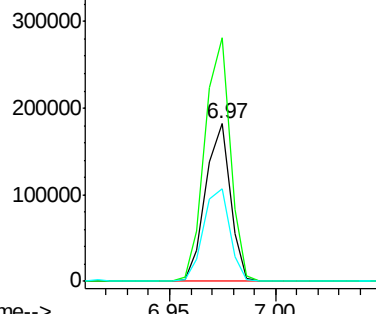
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.7	124.6	186.8
115	58.4	50.1	75.1

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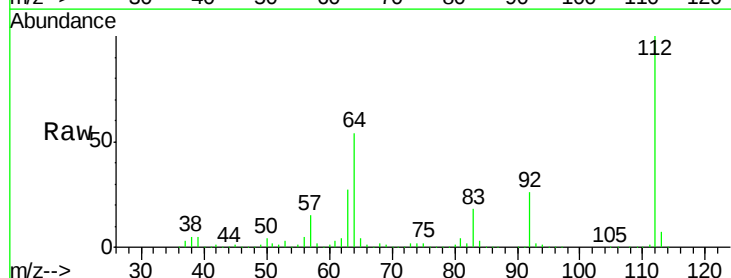
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



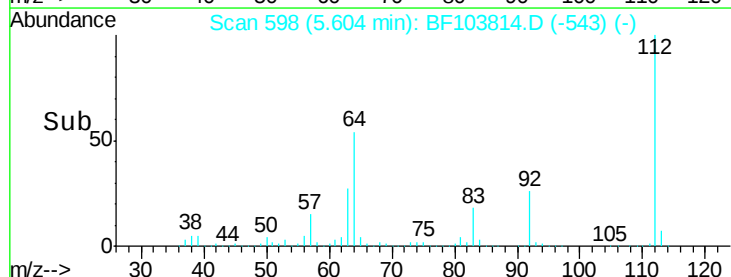
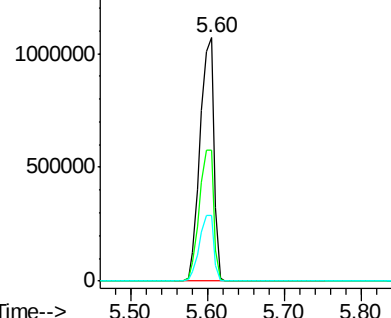
#5

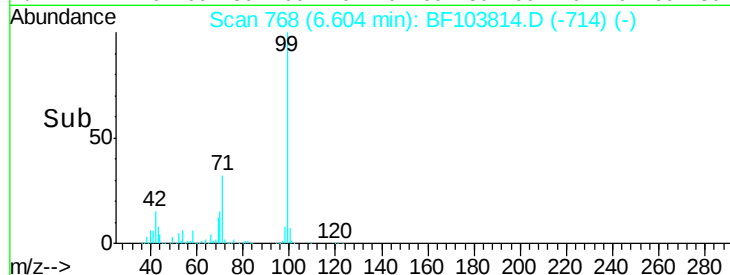
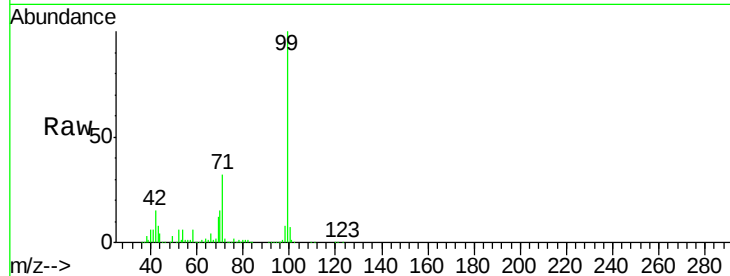
2-Fluorophenol
Concen: 135.644 ng
RT: 5.60 min Scan# 598
Delta R.T. 0.02 min
Lab File: BF103814.D
Acq: 20 Mar 2018 20:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.9	47.9	71.9
63	26.9	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: 137.423 ng

RT: 6.60 min Scan# 768

Delta R.T. 0.02 min

Lab File: BF103814.D

Acq: 20 Mar 2018 20:36

Tot Ion: 99 Resp: 1632108

Ion Ratio Lower Upper

99 100

42 15.4 14.5 21.7

71 32.3 25.4 38.0

Instrument :

BNA_F

ClientSampleId :

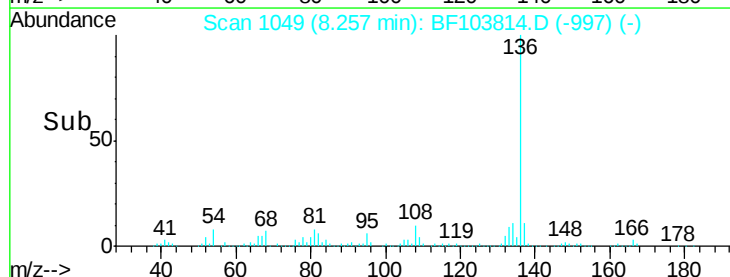
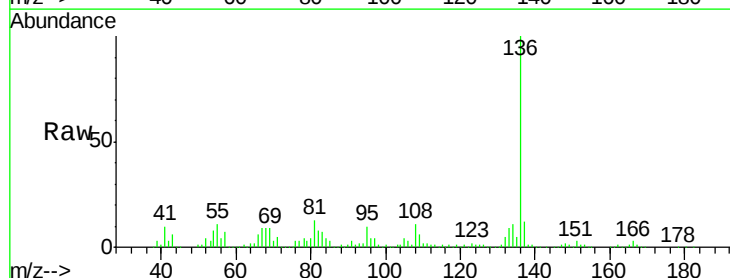
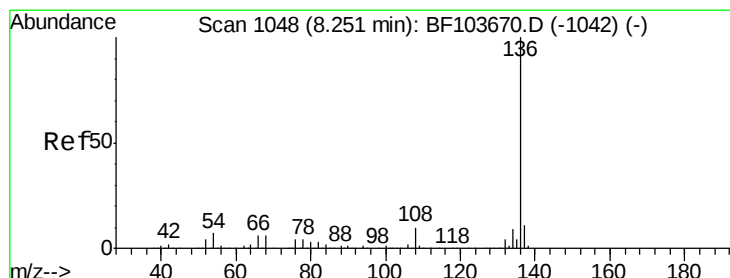
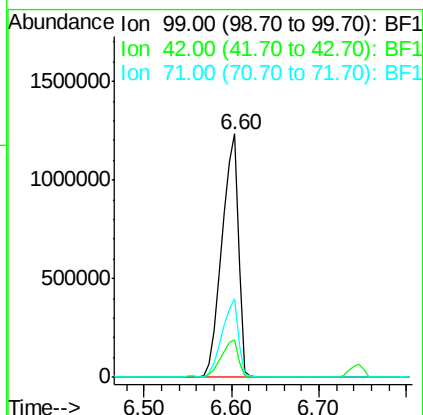
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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.26 min Scan# 1049

Delta R.T. 0.01 min

Lab File: BF103814.D

Acq: 20 Mar 2018 20:36

Tgt Ion: 136 Resp: 557505

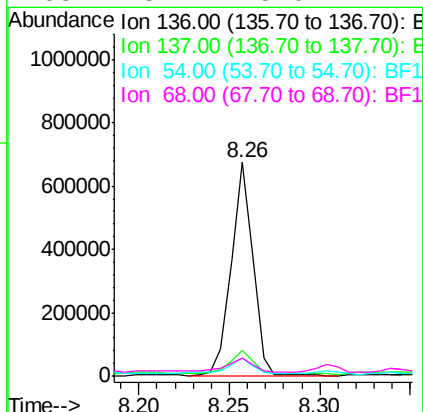
Ion Ratio Lower Upper

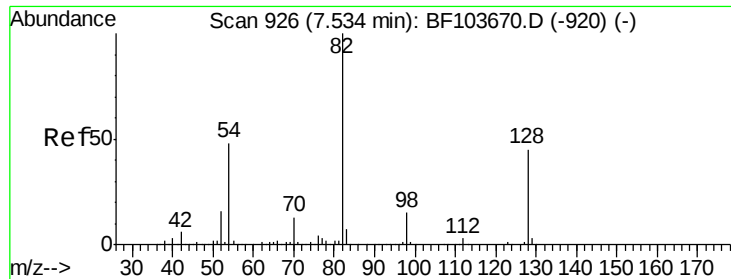
136 100

137 12.1 8.9 13.3

54 8.3 6.6 9.8

68 8.7 5.0 7.4#





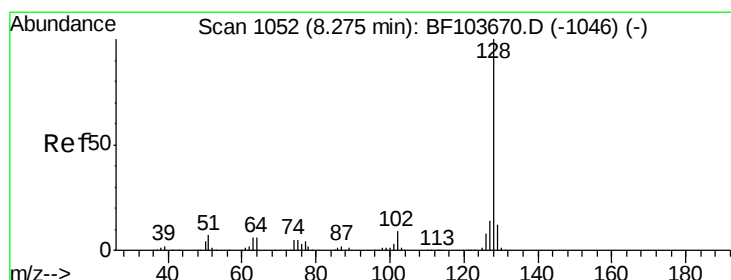
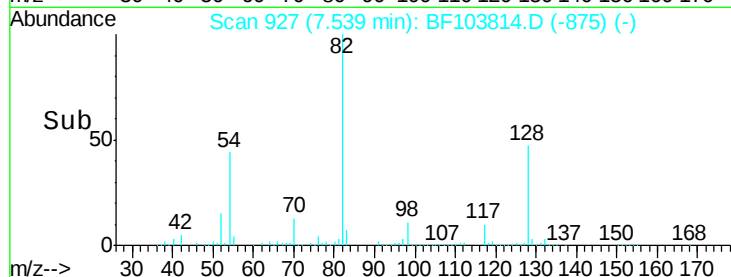
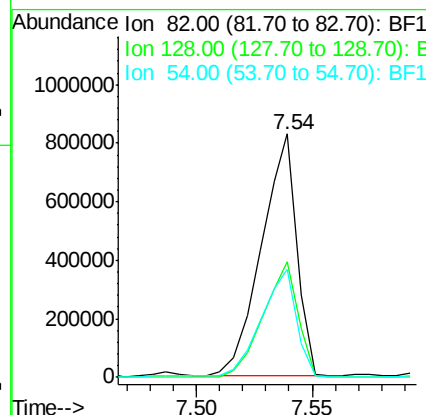
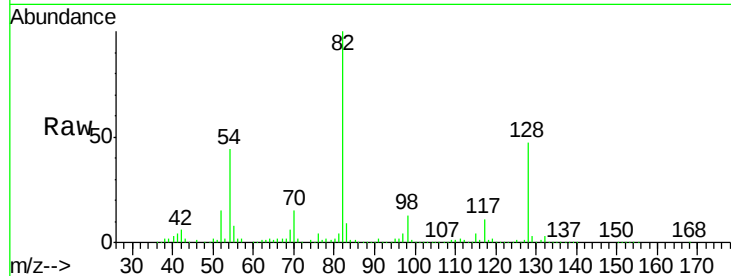
#23
Nitrobenzene-d5
Concen: 109.427 ng
RT: 7.54 min Scan# 927
Delta R.T. 0.01 min
Lab File: BF103814.D
Acq: 20 Mar 2018 20:36

Instrument :
BNA_F
ClientSampled :
SB-111(5-6)

Tot Ion	Ratio	Resp	Lower	Upper
82	100	874819		
128	47.2		36.1	54.1
54	44.5		41.4	62.2

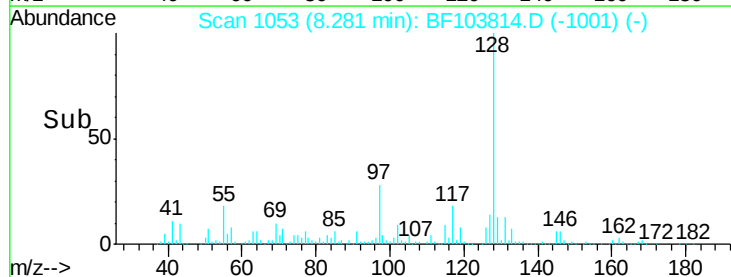
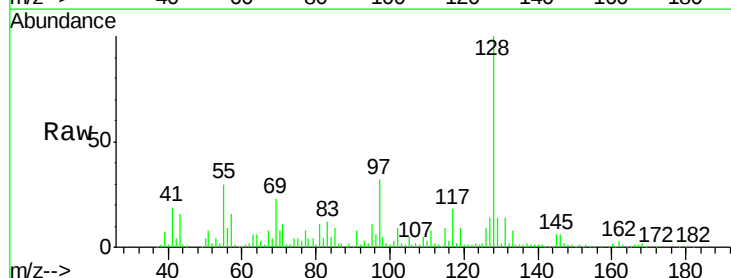
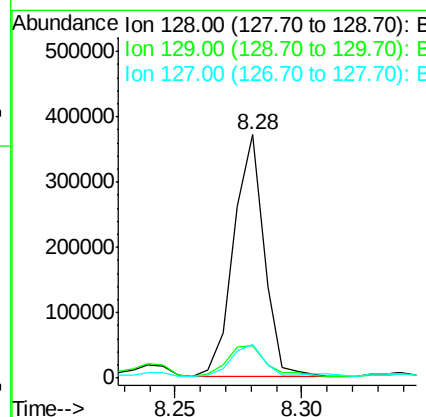
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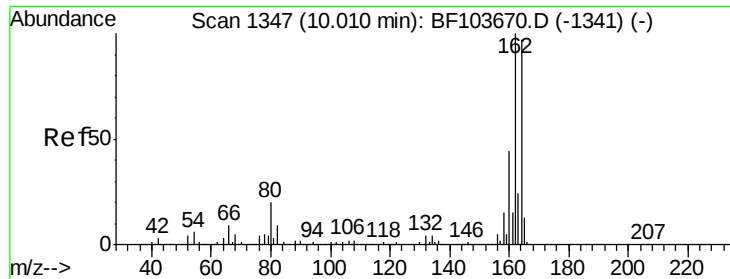
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#31
Naphthalene
Concen: 10.993 ng
RT: 8.28 min Scan# 1053
Delta R.T. 0.01 min
Lab File: BF103814.D
Acq: 20 Mar 2018 20:36

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	309597		
129	13.5		8.8	13.2#
127	14.1		10.9	16.3





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.02 min Scan# 1349

Delta R.T. 0.01 min

Lab File: BF103814.D

Acq: 20 Mar 2018 20:36

Instrument :

BNA_F

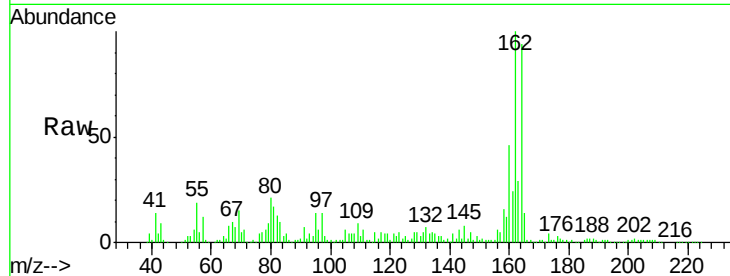
ClientSampleId :

SB-111(5-6)

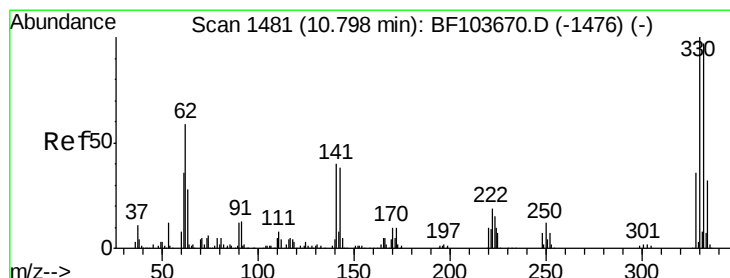
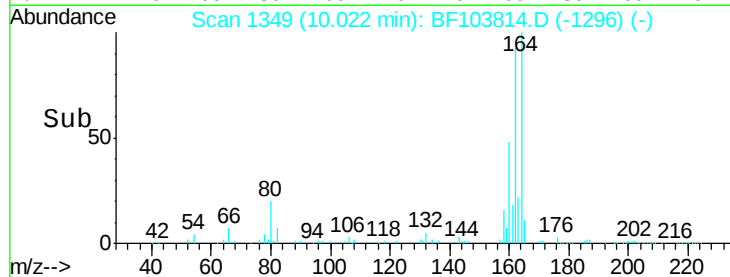
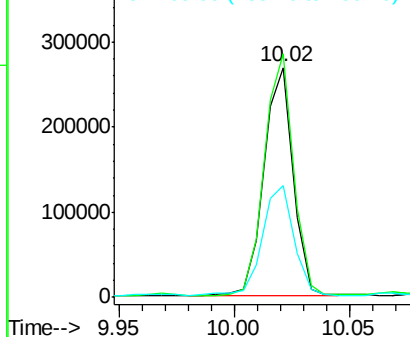
Tot Ion:	164	Resp:	235454
Ion Ratio	Lower	Upper	
164	100		
162	106.0	86.1	129.1
160	48.6	38.3	57.5

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Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 155.828 ng

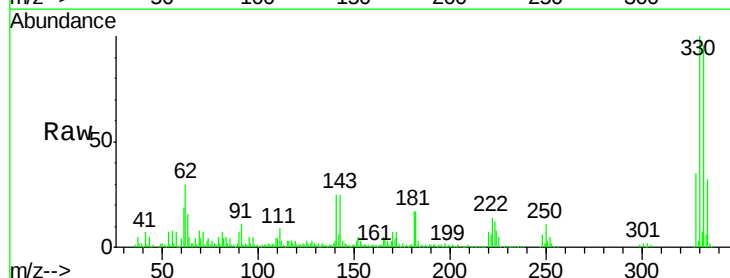
RT: 10.82 min Scan# 1484

Delta R.T. 0.02 min

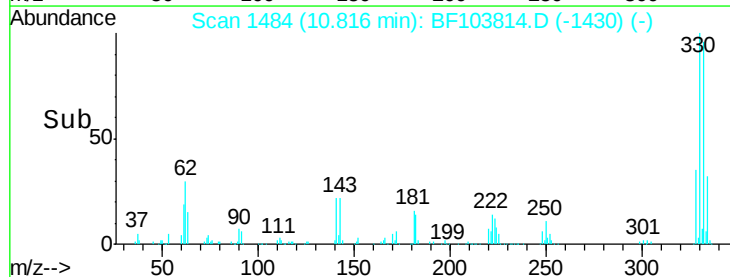
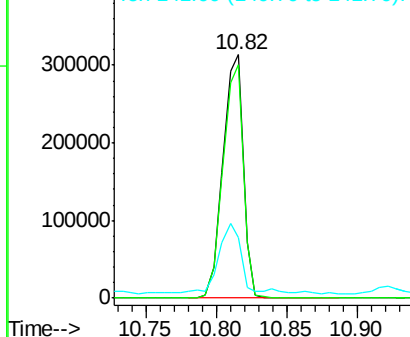
Lab File: BF103814.D

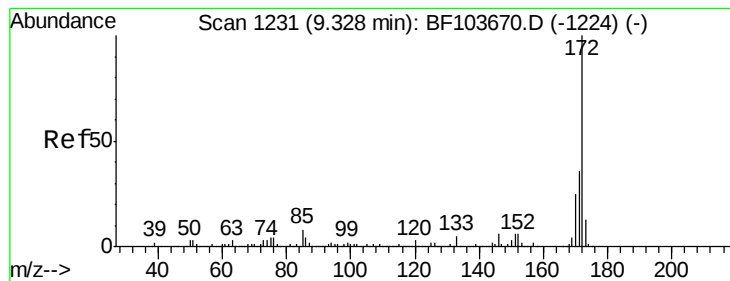
Acq: 20 Mar 2018 20:36

Tgt Ion:	330	Resp:	315466
Ion Ratio	Lower	Upper	
330	100		
332	95.8	77.0	115.6
141	30.7	29.9	44.9



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





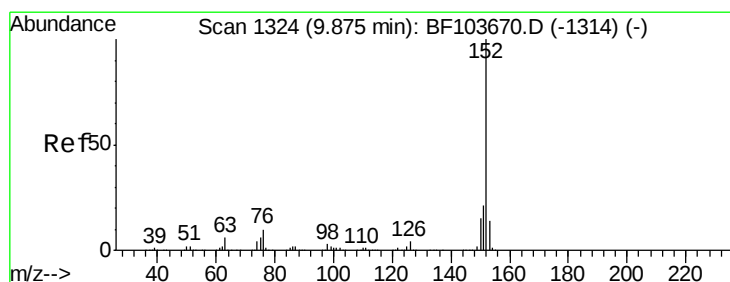
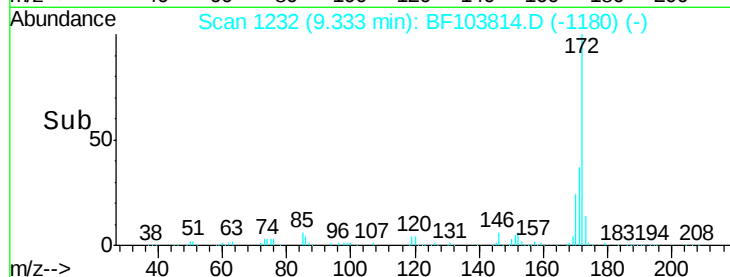
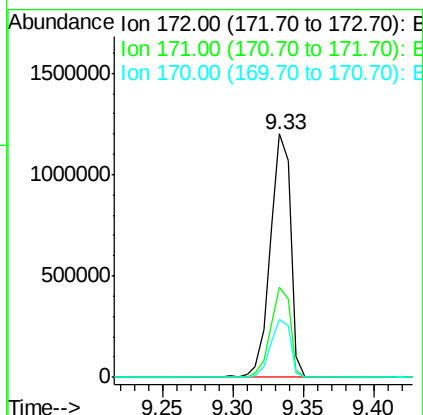
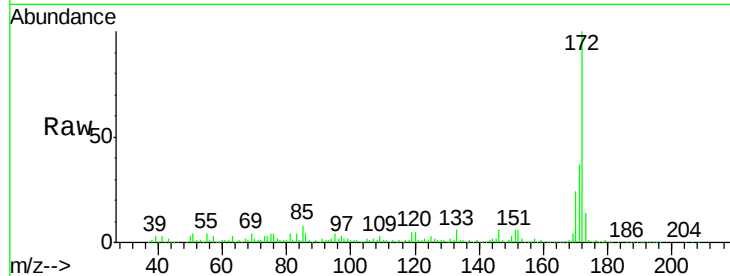
#44
2-Fluorobiphenyl
Concen: 82.477 ng
RT: 9.33 min Scan# 1232
Delta R.T. 0.01 min
Lab File: BF103814.D
Acq: 20 Mar 2018 20:36

Instrument :
BNA_F
ClientSampleId :
SB-111(5-6)

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.0	29.7	44.5
170	23.8	19.6	29.4

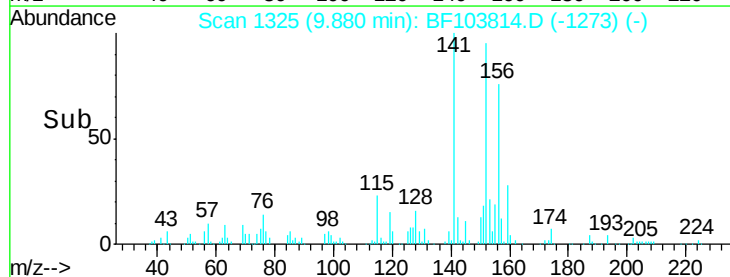
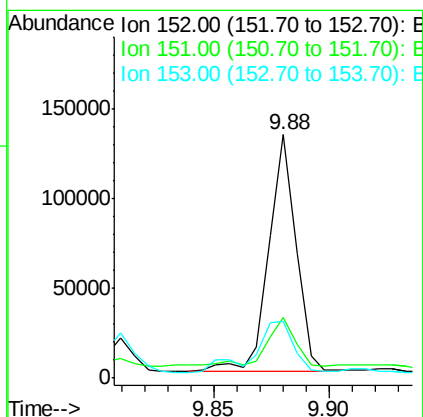
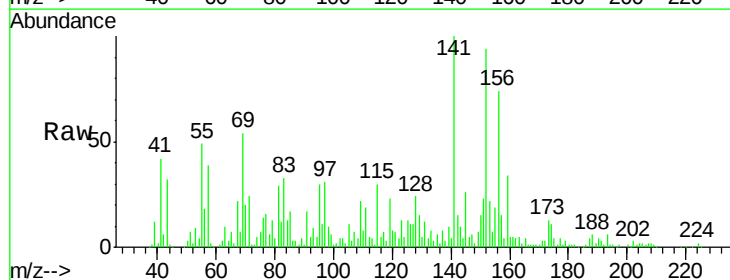
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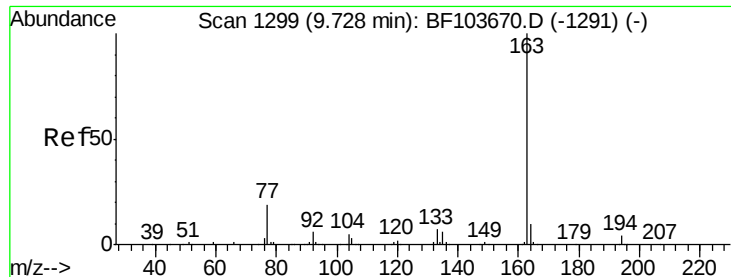
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#48
Acenaphthylene
Concen: 4.559 ng
RT: 9.88 min Scan# 1325
Delta R.T. 0.01 min
Lab File: BF103814.D
Acq: 20 Mar 2018 20:36

Tgt Ion	Ratio	Lower	Upper
152	100		
151	24.8	16.3	24.5#
153	23.4	10.7	16.1#





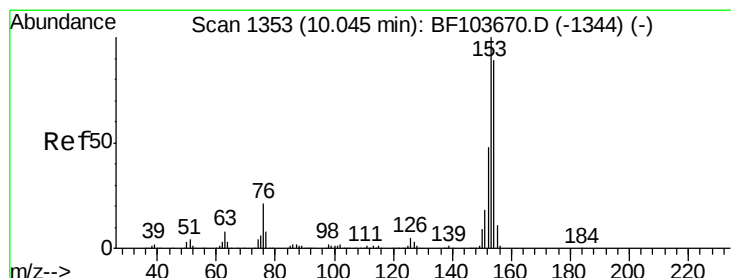
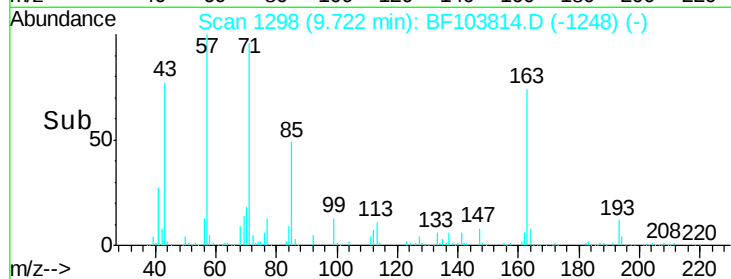
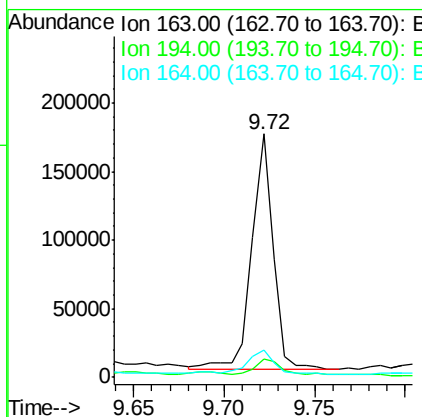
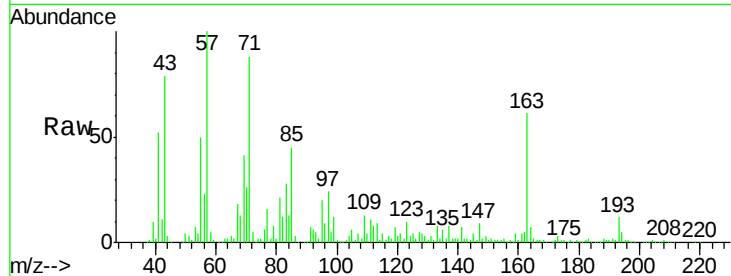
#49
Dimethylphthalate
Concen: 7.894 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.01 min
Lab File: BF103814.D
Acq: 20 Mar 2018 20:36

Instrument :
BNA_F
Client Sampled :
SB-111(5-6)

Tot Ion	Ratio	Resp	Lower	Upper
163	100	141801		
194	7.5	2.7	4.1#	
164	11.1	8.2	12.2	

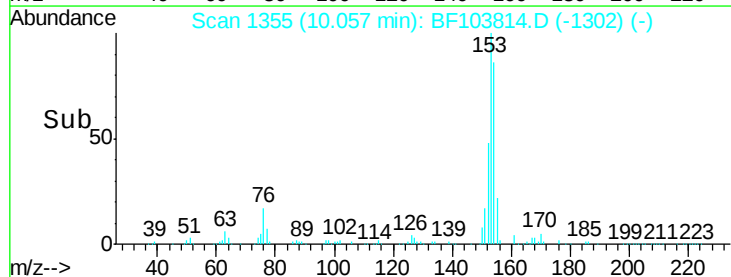
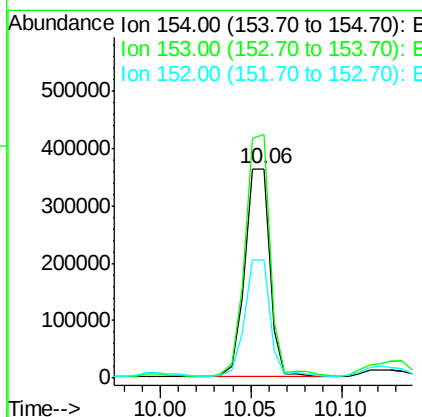
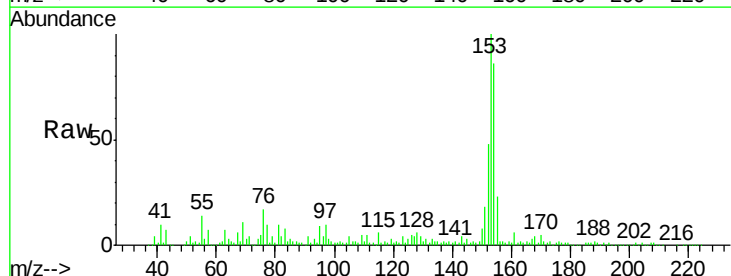
Manual Integrations
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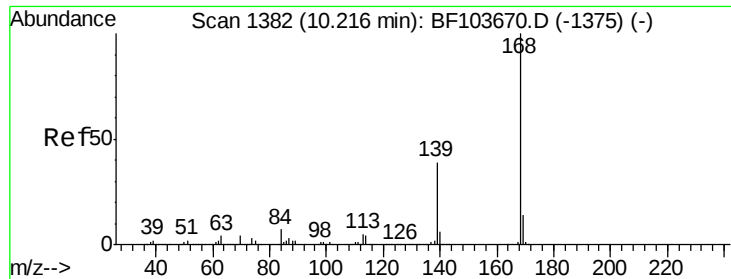
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#51
Acenaphthene
Concen: 24.194 ng
RT: 10.06 min Scan# 1355
Delta R.T. 0.01 min
Lab File: BF103814.D
Acq: 20 Mar 2018 20:36

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	347390		
153	116.1	91.2	136.8	
152	56.2	43.8	65.8	





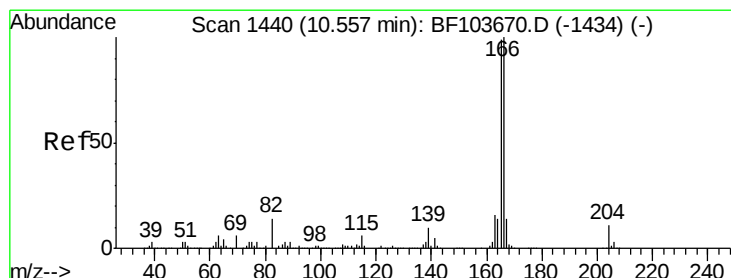
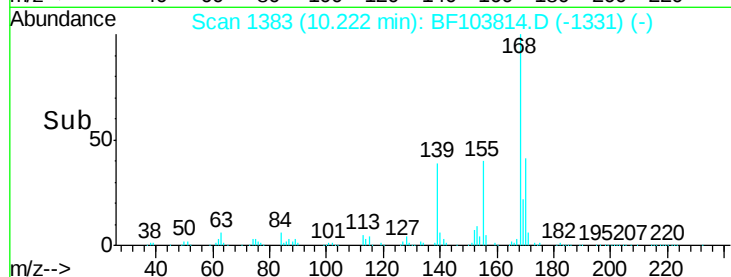
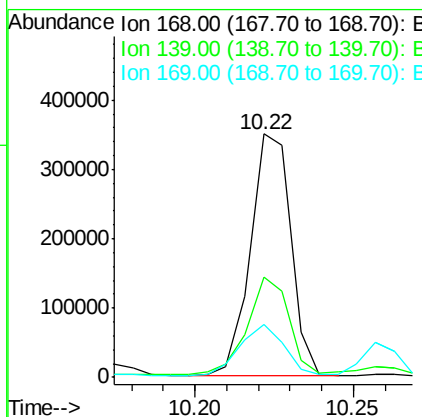
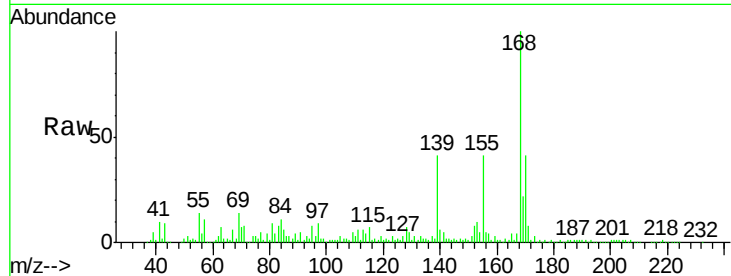
#54
Dibenzofuran
Concen: 15.201 ng
RT: 10.22 min Scan# 1383
Delta R.T. 0.01 min
Lab File: BF103814.D
Acq: 20 Mar 2018 20:36

Instrument :
BNA_F
ClientSampleId :
SB-111(5-6)

Tot Ion	Ratio	Lower	Upper
168	100		
139	41.0	30.1	45.1
169	21.8	10.9	16.3

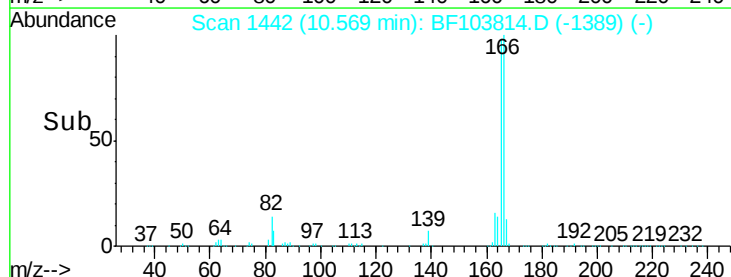
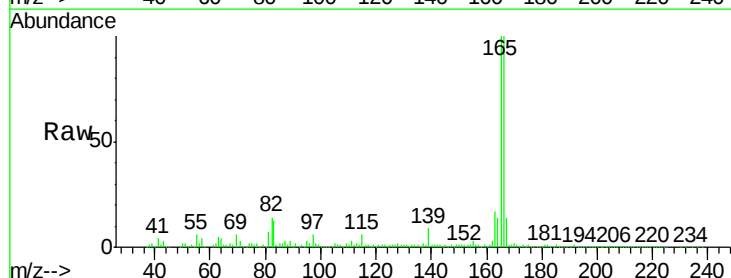
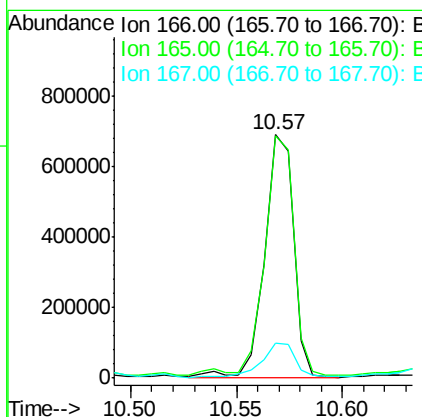
Manual Integrations
APPROVED

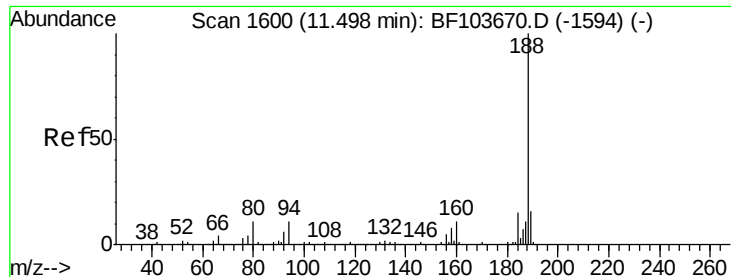
Sohil
3/22/2018 12:57:46 PM



#57
Fluorene
Concen: 41.233 ng
RT: 10.57 min Scan# 1442
Delta R.T. 0.01 min
Lab File: BF103814.D
Acq: 20 Mar 2018 20:36

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.5	79.8	119.8
167	14.4	10.6	16.0





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.51 min Scan# 1602

Delta R.T. 0.01 min

Lab File: BF103814.D

Acq: 20 Mar 2018 20:36

Instrument :

BNA_F

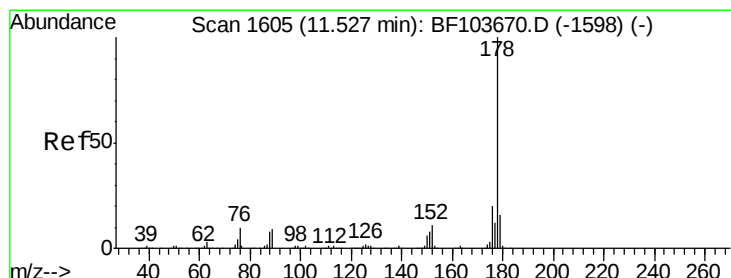
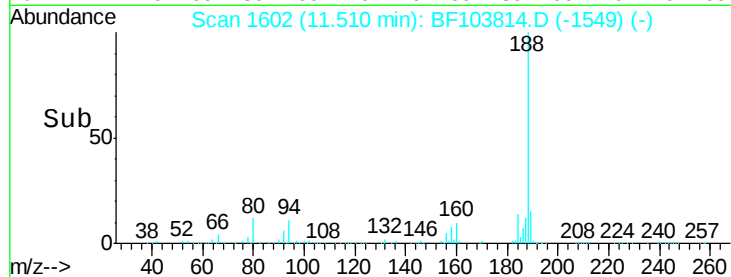
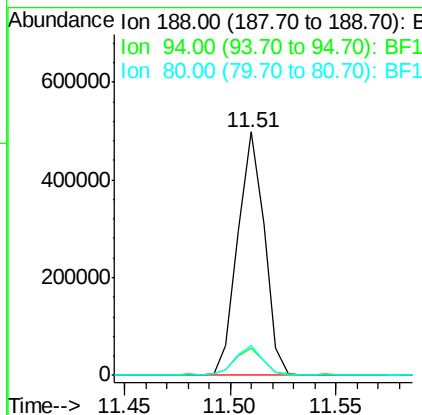
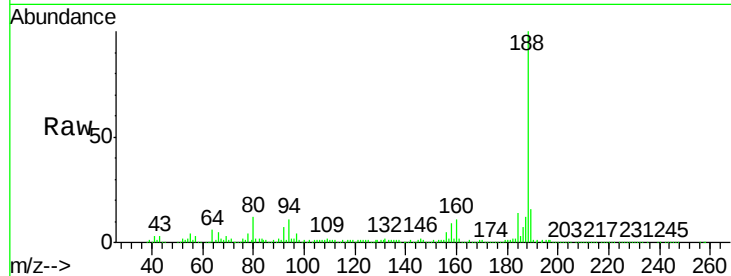
ClientSampleId :

SB-111(5-6)

Tot Ion:	188	Resp:	432882
Ion Ratio	Lower	Upper	
188	100		
94	11.1	8.5	12.7
80	12.2	9.2	13.8

Manual Integrations
APPROVED

Sohil
3/22/2018 12:57:46 PM



#70

Phenanthrene

Concen: 26.850 ng

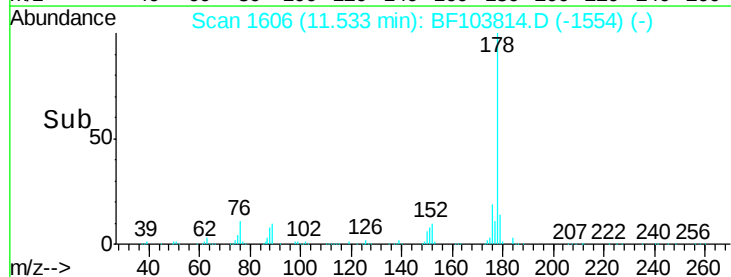
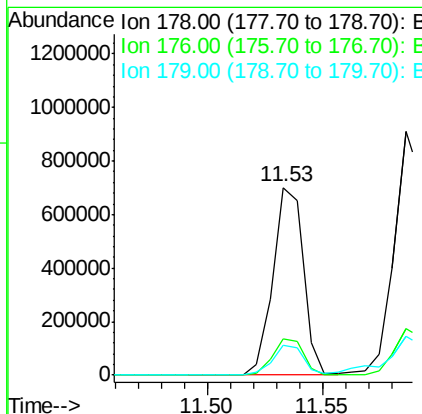
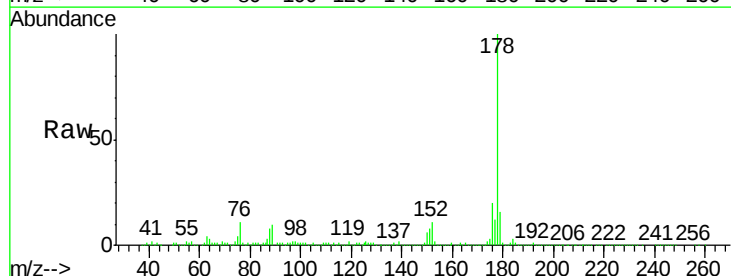
RT: 11.53 min Scan# 1606

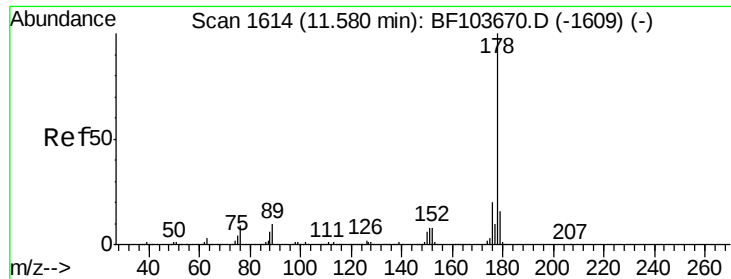
Delta R.T. 0.01 min

Lab File: BF103814.D

Acq: 20 Mar 2018 20:36

Tgt Ion:	178	Resp:	635801
Ion Ratio	Lower	Upper	
178	100		
176	19.7	15.8	23.8
179	16.2	13.0	19.6





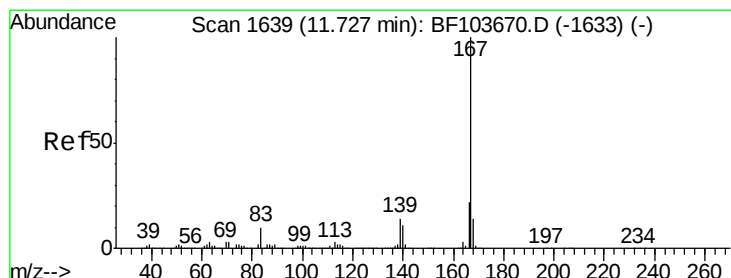
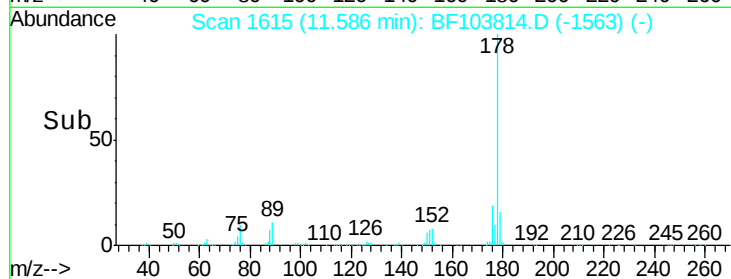
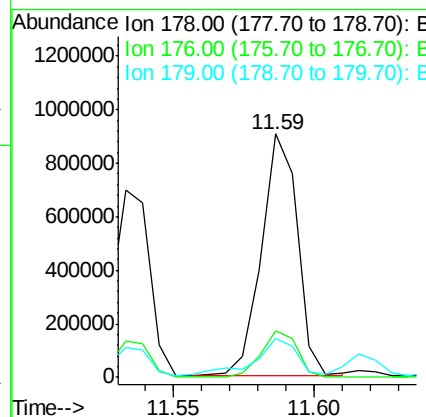
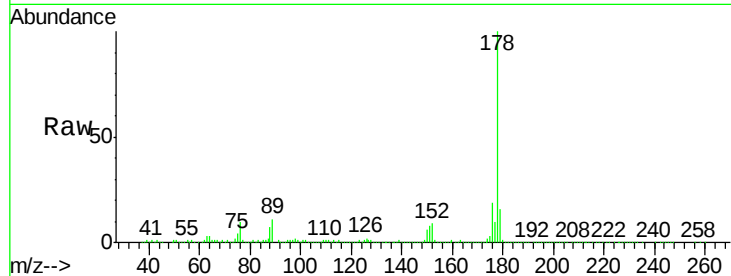
#71
 Anthracene
 Concen: 33.271 ng
 RT: 11.59 min Scan# 1615
 Delta R.T. 0.01 min
 Lab File: BF103814.D
 Acq: 20 Mar 2018 20:36

Instrument :
 BNA_F
 ClientSampleId :
 SB-111(5-6)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	15.8	12.6	19.0

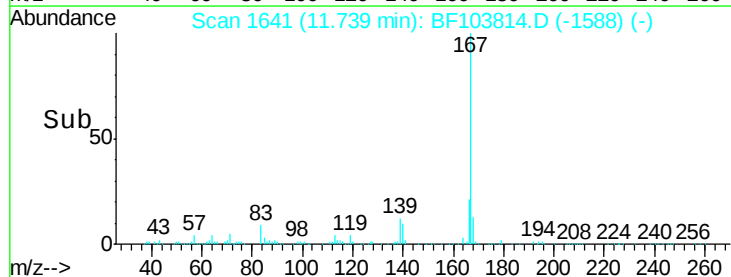
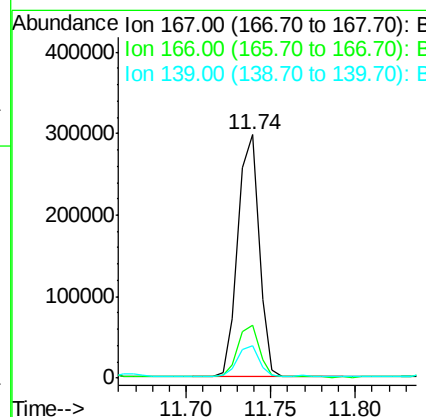
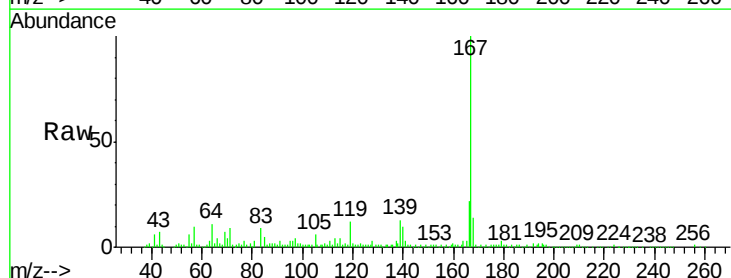
Manual Integrations
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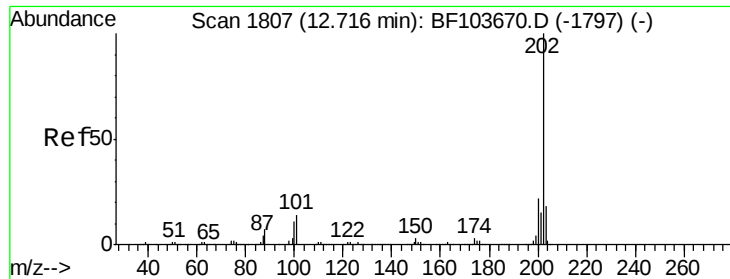
Sohil
 3/22/2018 12:57:46 PM



#72
 Carbazole
 Concen: 11.176 ng
 RT: 11.74 min Scan# 1641
 Delta R.T. 0.01 min
 Lab File: BF103814.D
 Acq: 20 Mar 2018 20:36

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.6	26.4
139	13.2	10.9	16.3





#74

Fluoranthene

Concen: 34.484 ng

RT: 12.74 min Scan# 1812

Delta R.T. 0.03 min

Lab File: BF103814.D

Acq: 20 Mar 2018 20:36

Instrument :

BNA_F

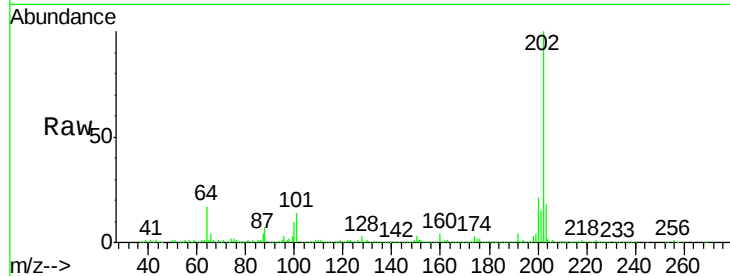
ClientSampleId :

SB-111(5-6)

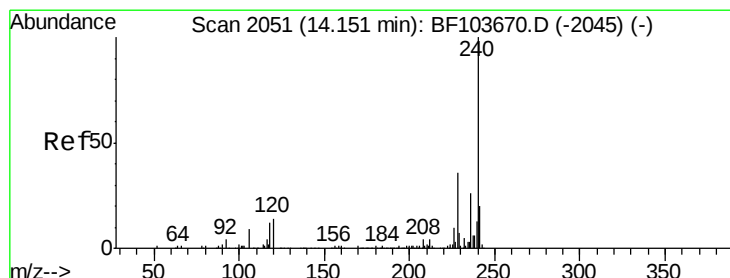
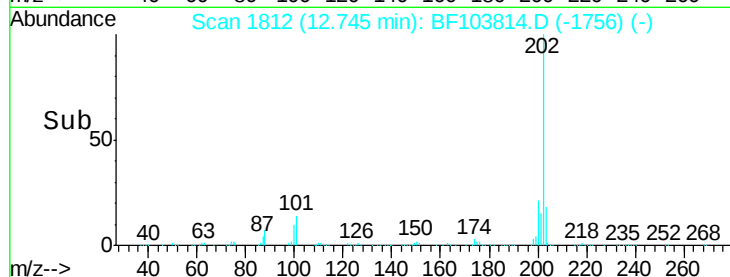
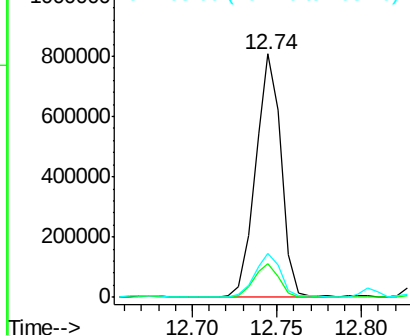
Tot Ion	Ratio	Resp	Lower	Upper
202	100	841246		
101	13.9	0.0	34.1	
203	18.1	0.0	38.1	

Manual Integrations
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

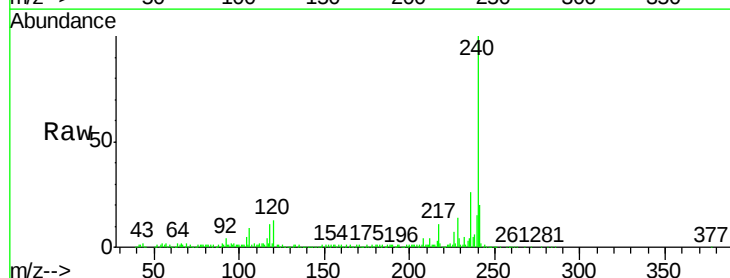
RT: 14.16 min Scan# 2053

Delta R.T. 0.01 min

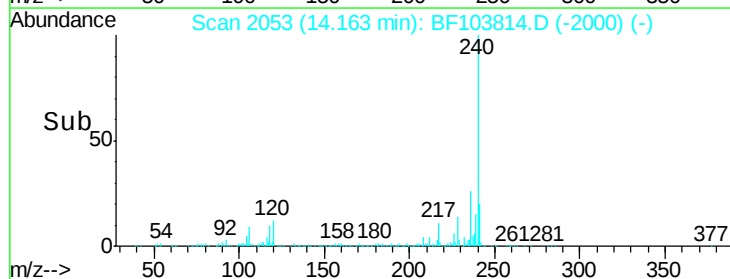
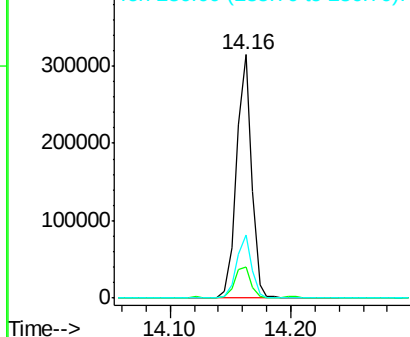
Lab File: BF103814.D

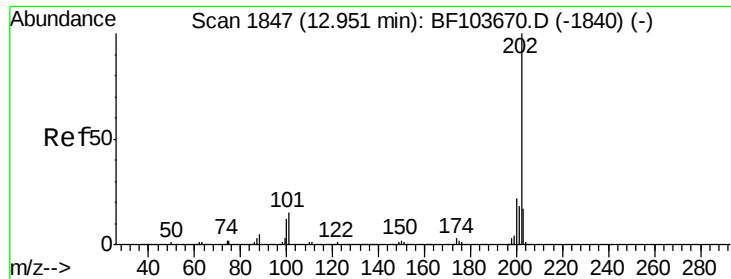
Acq: 20 Mar 2018 20:36

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	275885		
120	12.8	9.5	14.3	
236	25.7	20.7	31.1	



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





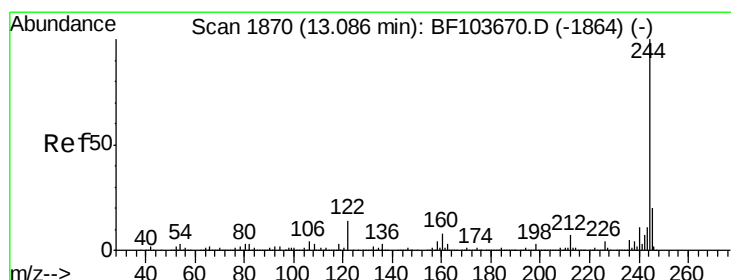
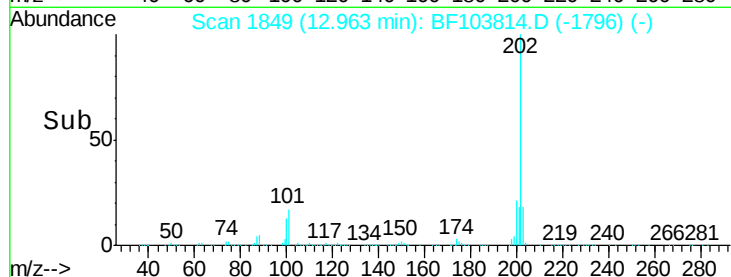
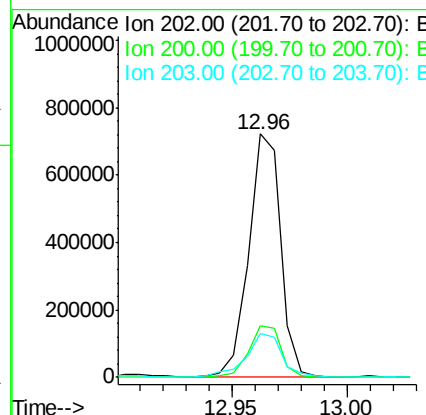
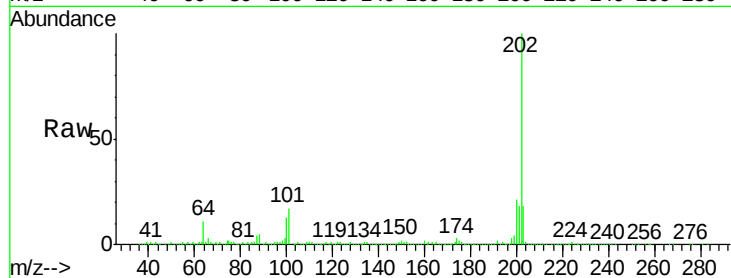
#77
Pvrene
Concen: 34.241 ng
RT: 12.96 min Scan# 1849
Delta R.T. 0.01 min
Lab File: BF103814.D
Acq: 20 Mar 2018 20:36

Instrument :
BNA_F
ClientSampleId :
SB-111(5-6)

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.4	26.2
203	17.9	14.3	21.5

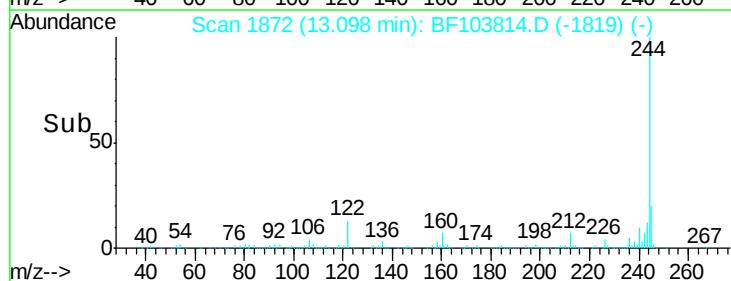
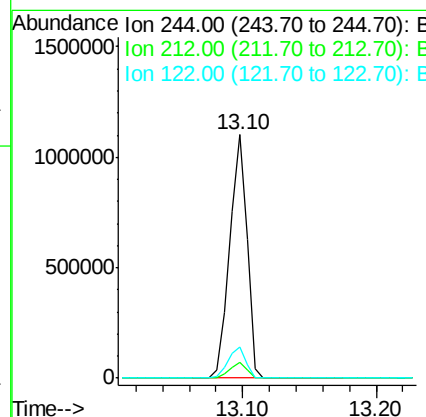
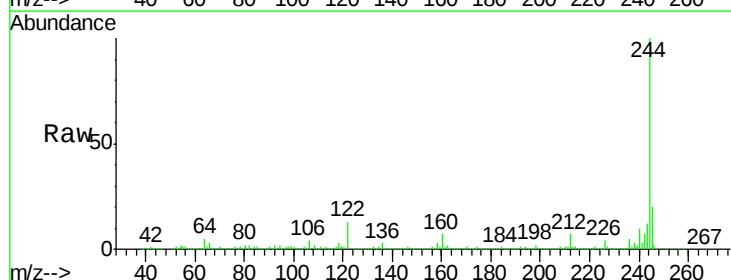
Manual Integrations
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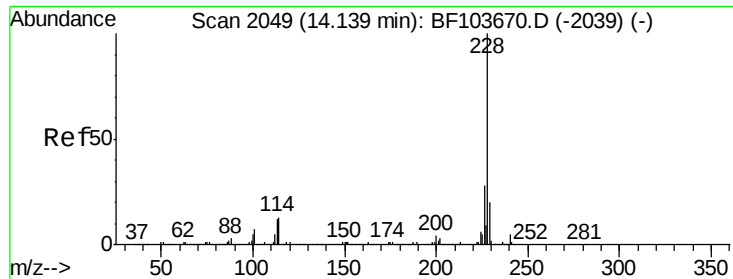
Sohil
3/22/2018 12:57:46 PM



#78
Terphenyl-d14
Concen: 85.654 ng
RT: 13.10 min Scan# 1872
Delta R.T. 0.01 min
Lab File: BF103814.D
Acq: 20 Mar 2018 20:36

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	12.7	11.0	16.4





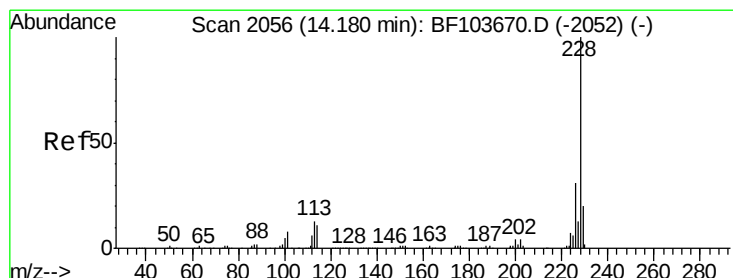
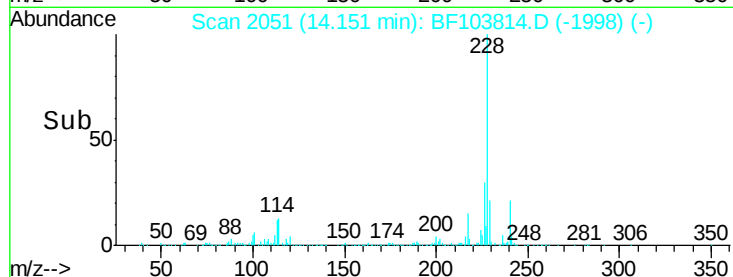
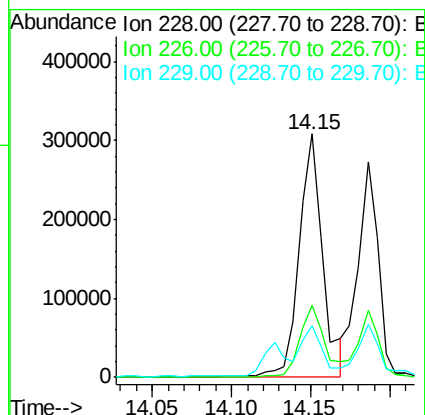
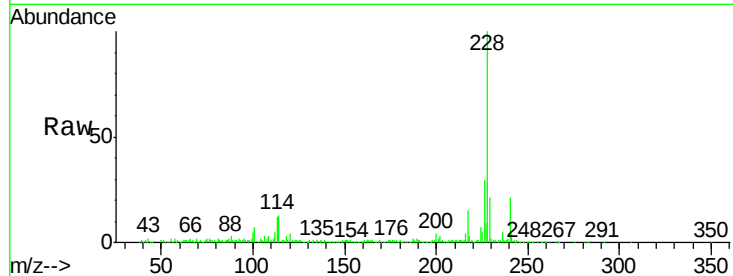
#80
Benzo(a)anthracene
Concen: 18.197 ng
RT: 14.15 min Scan# 2051
Delta R.T. 0.01 min
Lab File: BF103814.D
Acq: 20 Mar 2018 20:36

Instrument :
BNA_F
ClientSampled :
SB-111(5-6)

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.7	22.6	33.8
229	21.1	15.8	23.6

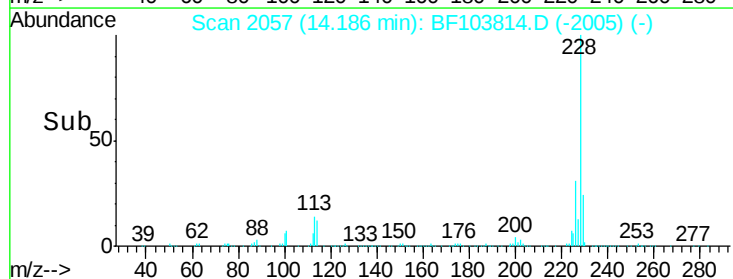
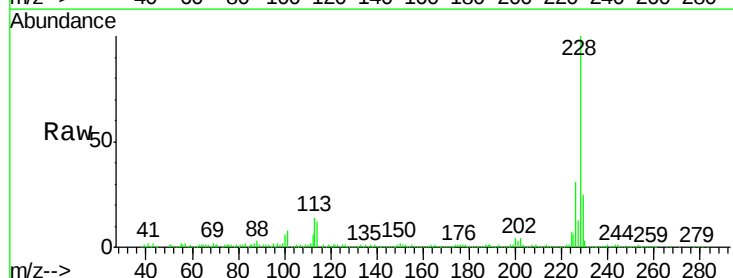
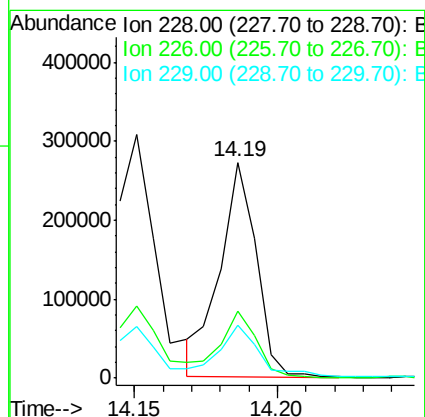
Manual Integrations
APPROVED

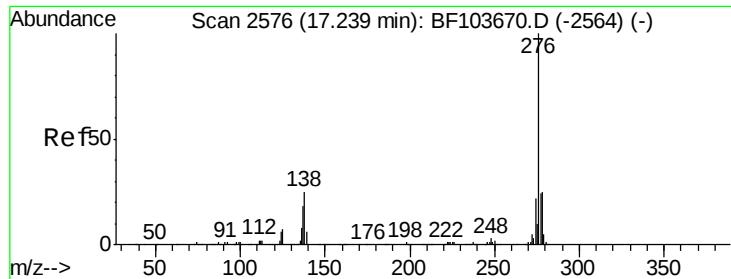
Sohil
3/22/2018 12:57:46 PM



#82
Chrysene
Concen: 14.526 ng m
RT: 14.19 min Scan# 2057
Delta R.T. 0.01 min
Lab File: BF103814.D
Acq: 20 Mar 2018 20:36

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	25.0	37.6
229	24.5	16.2	24.4#





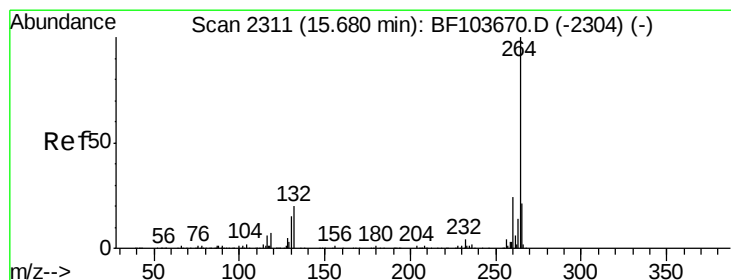
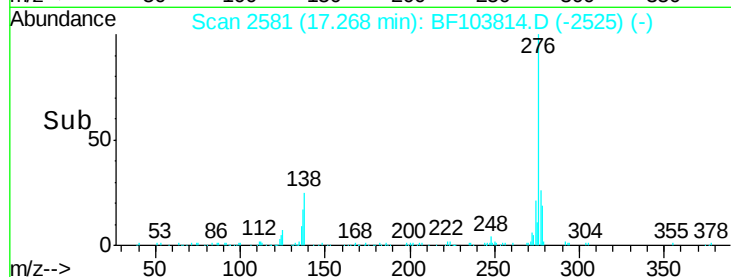
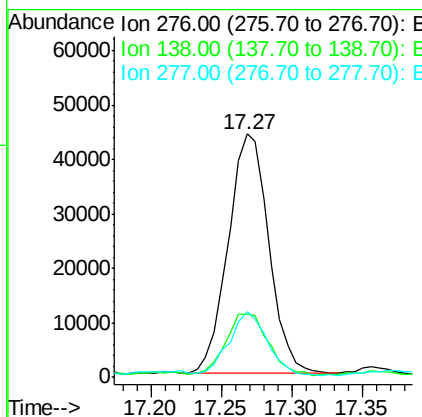
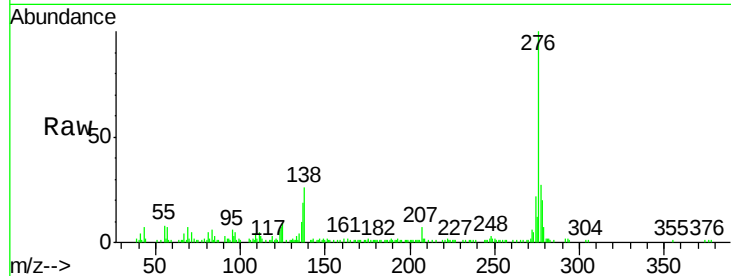
#85
Indeno(1,2,3-cd)pyrene
Concen: 6.061 ng
RT: 17.27 min Scan# 2581
Delta R.T. 0.03 min
Lab File: BF103814.D
Acq: 20 Mar 2018 20:36

Instrument :
BNA_F
ClientSampleId :
SB-111(5-6)

Tot Ion	Ratio	Lower	Upper
276	100		
138	26.9	25.0	37.6
277	24.9	20.1	30.1

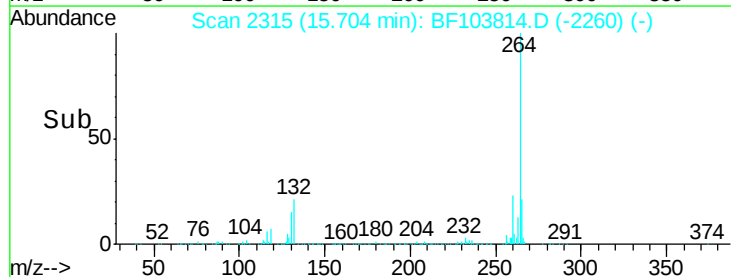
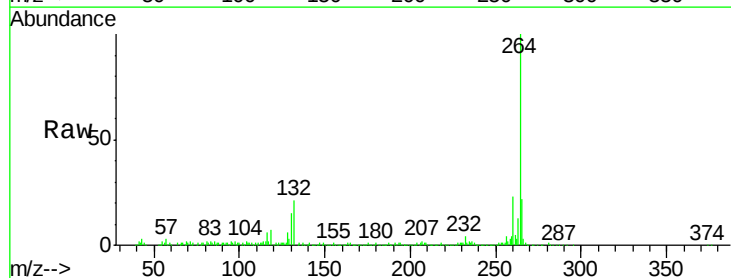
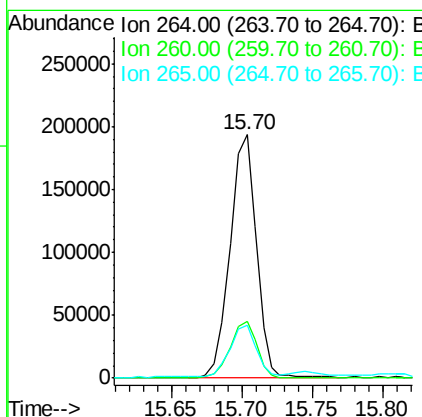
Manual Integrations
APPROVED

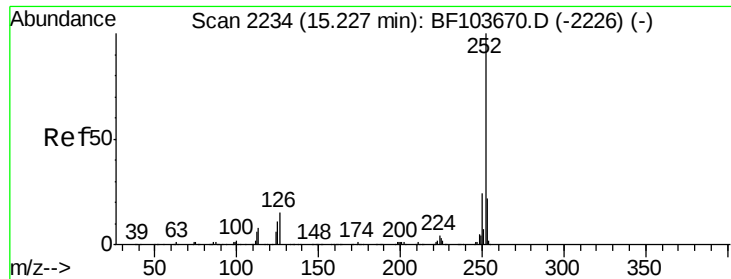
Sohil
3/22/2018 12:57:46 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2315
Delta R.T. 0.02 min
Lab File: BF103814.D
Acq: 20 Mar 2018 20:36

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	21.7	17.5	26.3





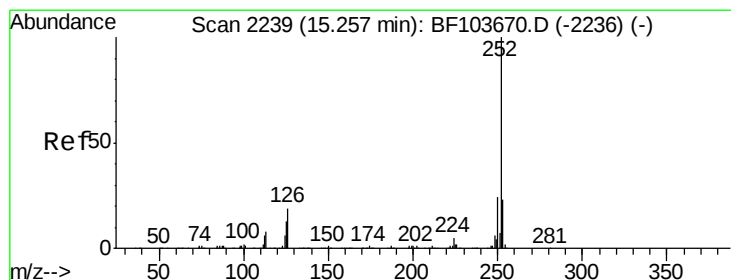
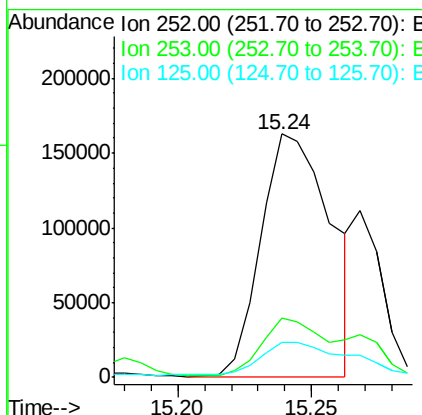
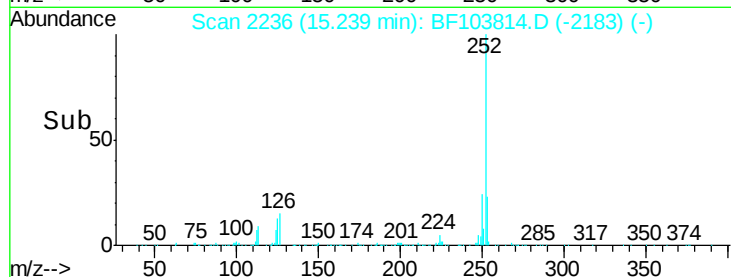
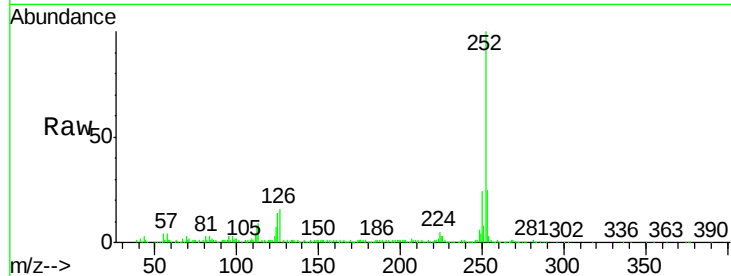
#87
Benzo(b)fluoranthene
Concen: 18.501 ng m
RT: 15.24 min Scan# 2236
Delta R.T. 0.01 min
Lab File: BF103814.D
Acq: 20 Mar 2018 20:36

Instrument :
BNA_F
ClientSampleId :
SB-111(5-6)

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.0	25.6
125	14.3	9.0	13.6

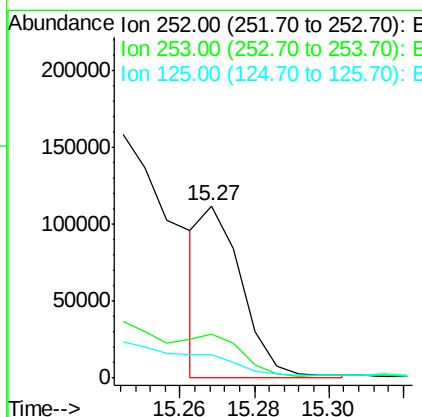
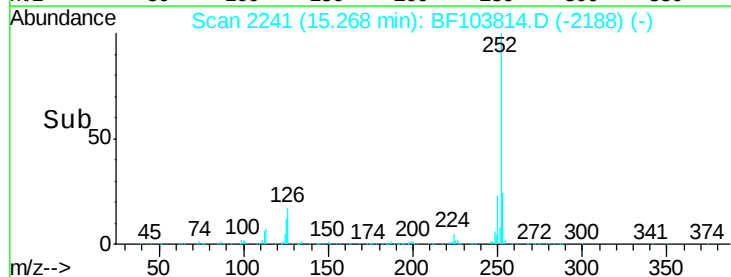
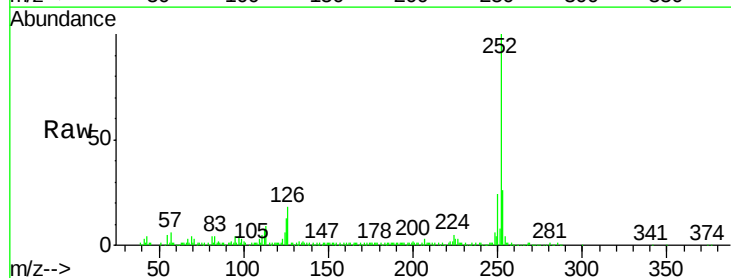
Manual Integrations
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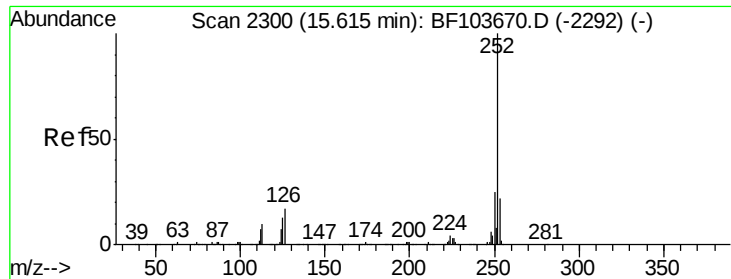
Sohil
3/22/2018 12:57:46 PM



#88
Benzo(k)fluoranthene
Concen: 5.547 ng m
RT: 15.27 min Scan# 2241
Delta R.T. 0.01 min
Lab File: BF103814.D
Acq: 20 Mar 2018 20:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.9	26.9
125	13.4	10.2	15.2





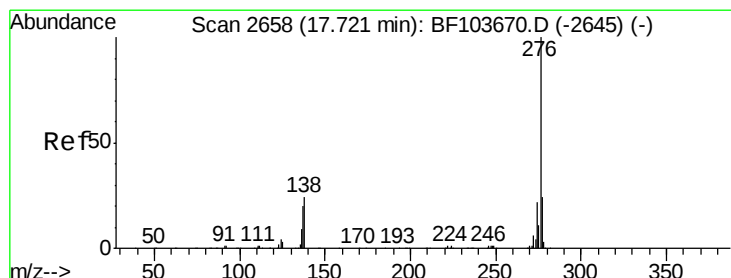
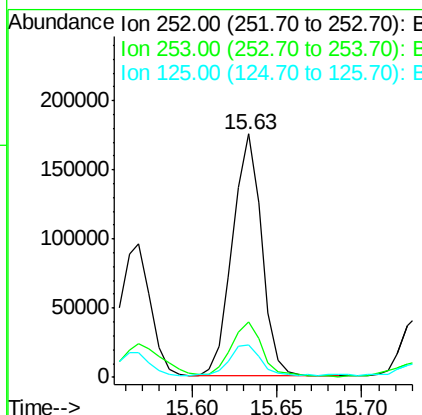
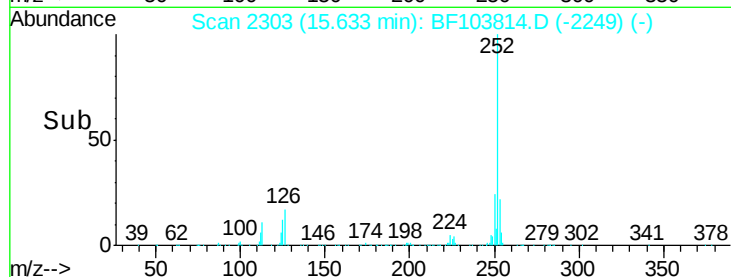
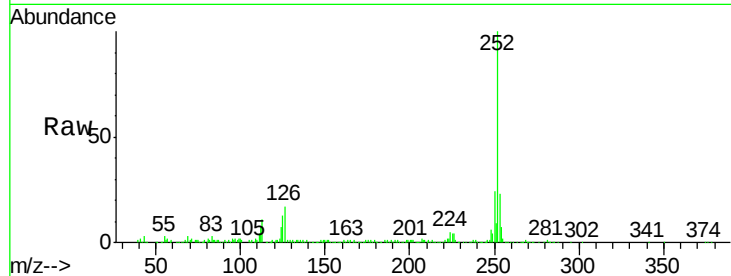
#89
Benzo(a)pyrene
Concen: 14.630 ng
RT: 15.63 min Scan# 2303
Delta R.T. 0.02 min
Lab File: BF103814.D
Acq: 20 Mar 2018 20:36

Instrument :
BNA_F
ClientSampleId :
SB-111(5-6)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.1	25.7
125	13.4	9.8	14.6

Manual Integrations
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Sohil
3/22/2018 12:57:46 PM



#91
Benzo(g,h,i)perylene
Concen: 6.774 ng
RT: 17.75 min Scan# 2663
Delta R.T. 0.03 min
Lab File: BF103814.D
Acq: 20 Mar 2018 20:36

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.5	17.9	26.9
138	24.9	21.8	32.8

