

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_F\DATA\BF032218\
 Data File : BF103858.D
 Acq On : 22 Mar 2018 18:05
 Operator : JU/SJ
 Sample : J1993-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-6-MH-A

Manual Integrations
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Sohil
 3/23/2018 2:46:46 PM

Quant Time: Mar 23 12:09:37 2018
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 22 11:56:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	159260	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	620134	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	266151	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	384450	20.00	ng	0.00
75) Chrysene-d12	14.16	240	323984	20.00	ng	0.00
86) Perylene-d12	15.70	264	238171	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	949842	90.71	ng	0.00
7) Phenol-d6	6.60	99	1296141	101.18	ng	0.00
23) Nitrobenzene-d5	7.54	82	765570	86.09	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	250141	109.31	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1193745	71.55	ng	0.00
78) Terphenyl-d14	13.10	244	852878	61.10	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.72	163	120576	5.938	ng	Qvalue # 99
70) Phenanthrene	11.53	178	219950	10.459	ng	99
71) Anthracene	11.58	178	43267	2.026	ng	99
74) Fluoranthene	12.74	202	377382	17.418	ng	99
77) Pyrene	12.96	202	359268	15.100	ng	99
80) Benzo(a)anthracene	14.15	228	172901m	8.431	ng	
82) Chrysene	14.19	228	211633m	10.826	ng	
85) Indeno(1,2,3-cd)pyrene	17.27	276	64614	3.785	ng	95
87) Benzo(b)fluoranthene	15.24	252	200147m	13.301	ng	
88) Benzo(k)fluoranthene	15.27	252	57053m	3.944	ng	
89) Benzo(a)pyrene	15.63	252	127899	9.371	ng	# 94
91) Benzo(g,h,i)perylene	17.76	276	64254	5.589	ng	96

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

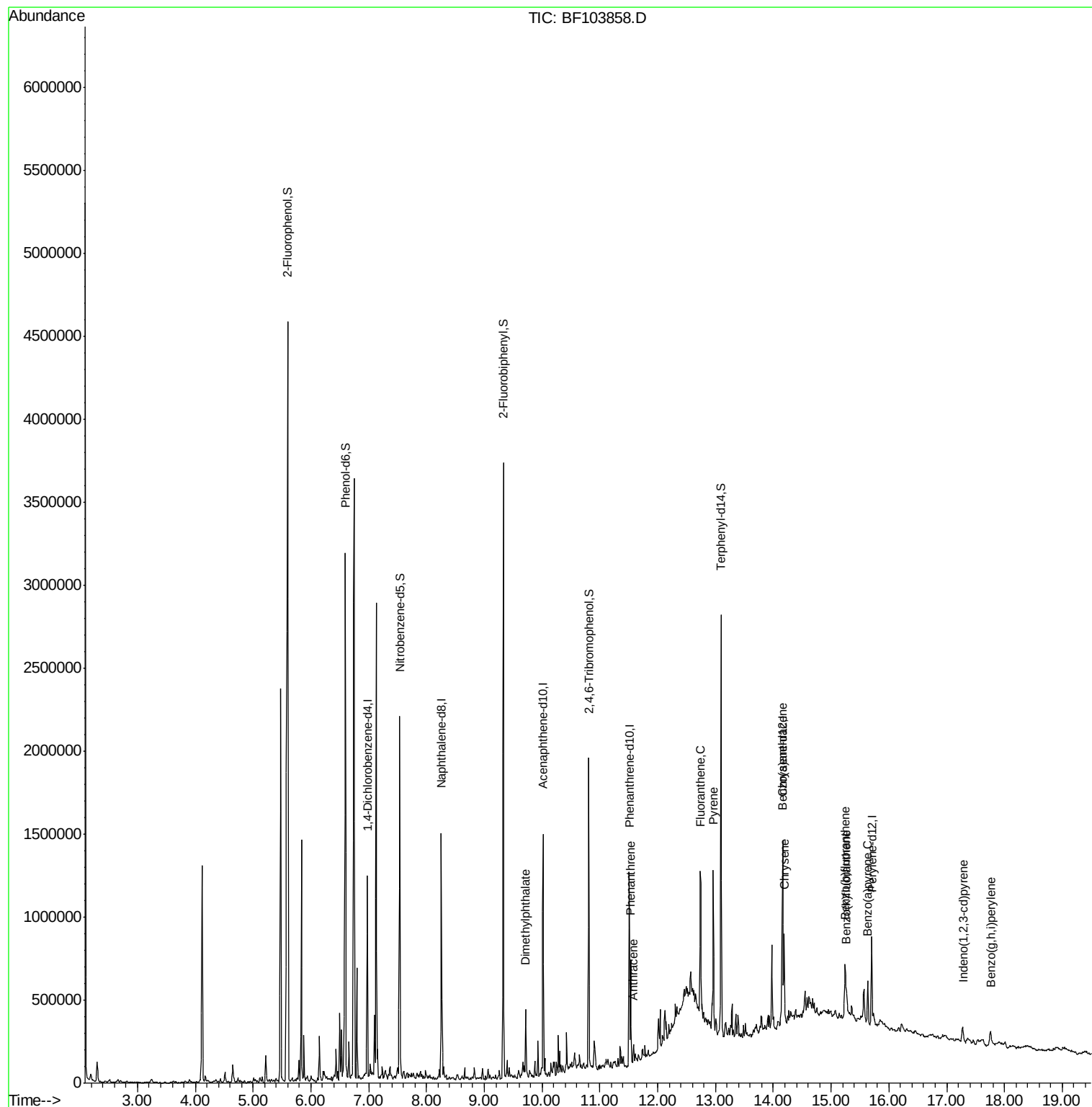
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_F\DATA\BF032218\
Data File : BF103858.D
Acq On : 22 Mar 2018 18:05
Operator : JU/SJ
Sample : J1993-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

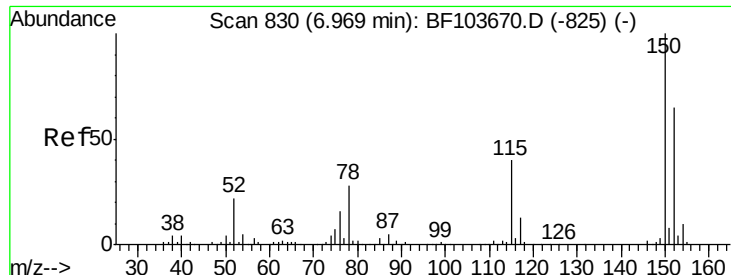
Instrument :
BNA_F
ClientSampleId :
TP-6-MH-A

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Quant Time: Mar 23 12:09:37 2018
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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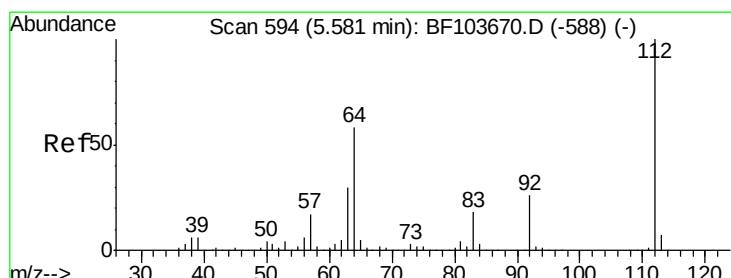
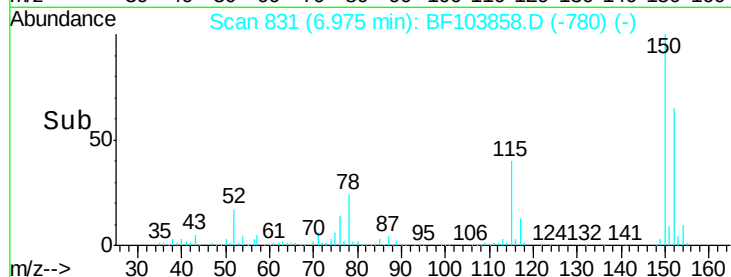
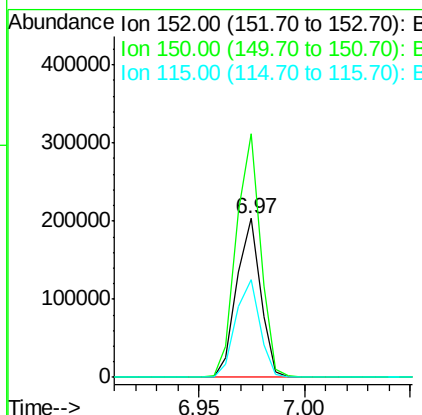
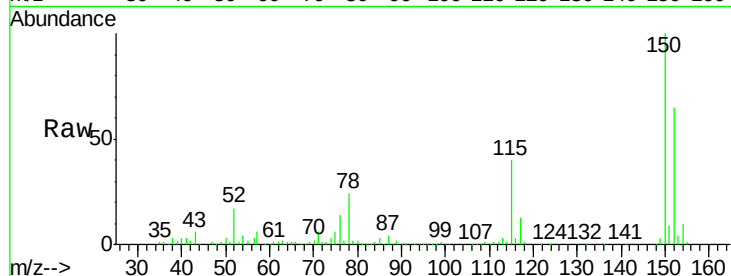
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.97 min Scan# 831
 Delta R.T. -0.00 min
 Lab File: BF103858.D
 Acq: 22 Mar 2018 18:05

Instrument :
 BNA_F
 ClientSampleId :
 TP-6-MH-A

Tgt Ion	Ratio	Lower	Upper
152	100		
150	153.1	124.6	186.8
115	61.5	50.1	75.1

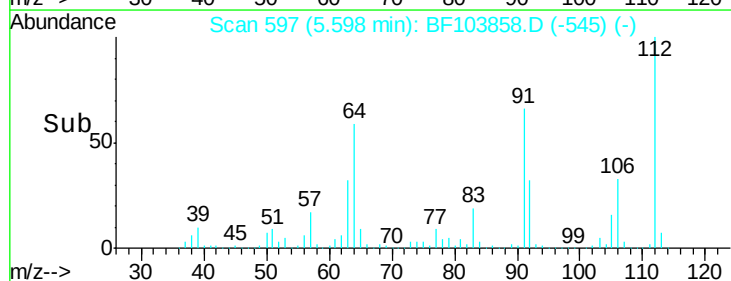
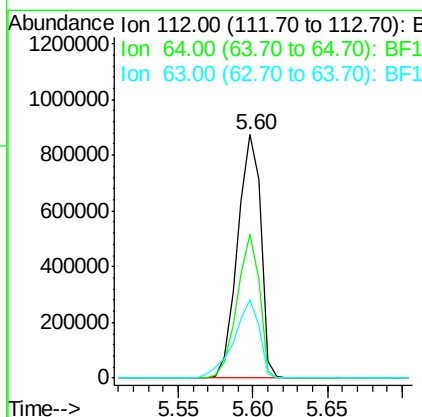
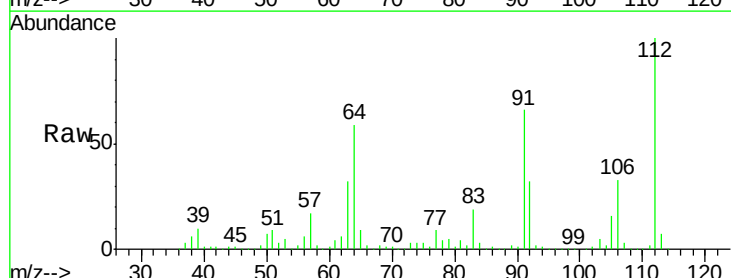
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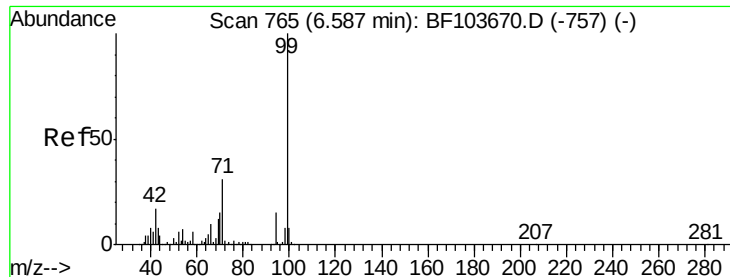
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#5
 2-Fluorophenol
 Concen: 90.714 ng
 RT: 5.60 min Scan# 597
 Delta R.T. 0.01 min
 Lab File: BF103858.D
 Acq: 22 Mar 2018 18:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.1	47.9	71.9
63	32.4	23.7	35.5





#7

Phenol-d6

Concen: 101.180 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.00 min

Lab File: BF103858.D

Acq: 22 Mar 2018 18:05

Instrument :

BNA_F

ClientSampled :

TP-6-MH-A

Tgt Ion: 99 Resp: 1296141

Ion Ratio Lower Upper

99 100

42 15.7 14.5 21.7

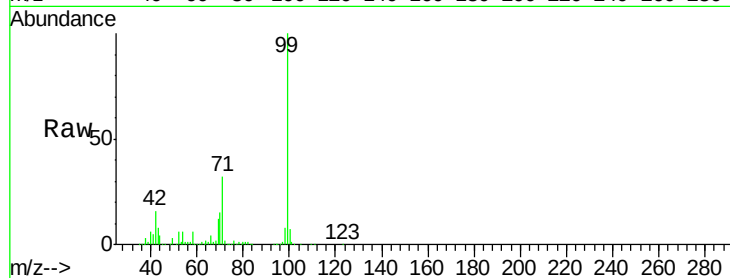
71 32.4 25.4 38.0

Manual Integrations

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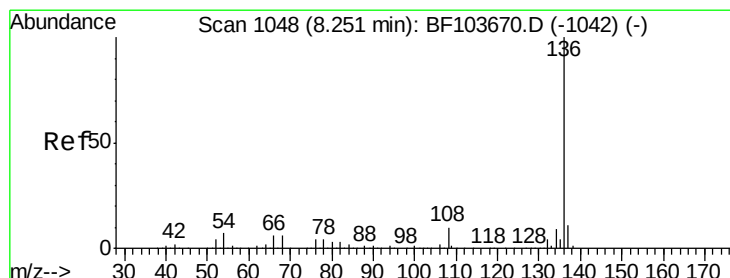
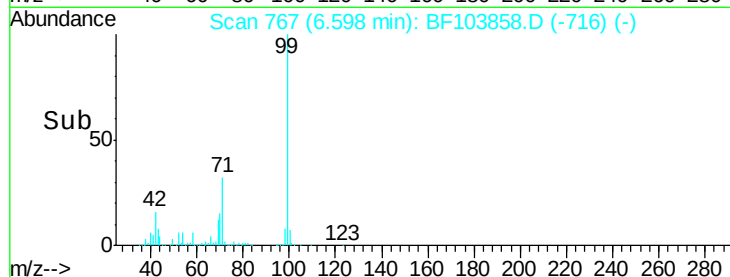
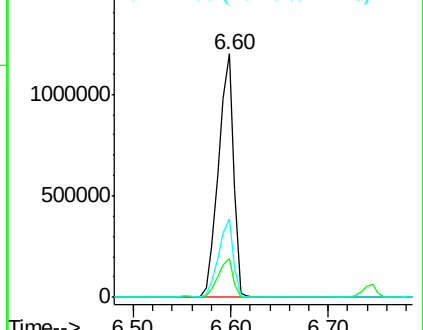
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.26 min Scan# 1049

Delta R.T. -0.00 min

Lab File: BF103858.D

Acq: 22 Mar 2018 18:05

Tgt Ion: 136 Resp: 620134

Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 6.4 6.6 9.8#

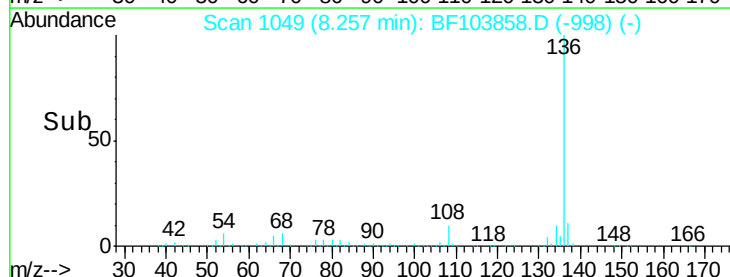
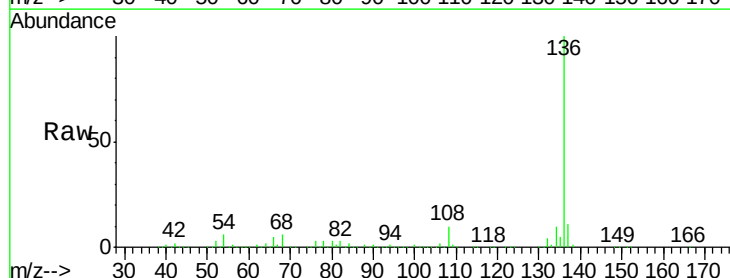
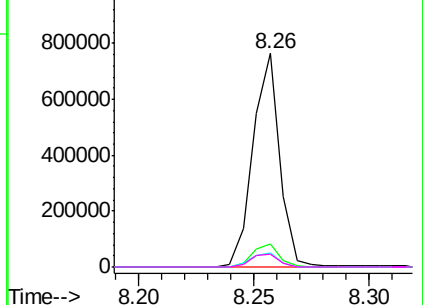
68 6.0 5.0 7.4

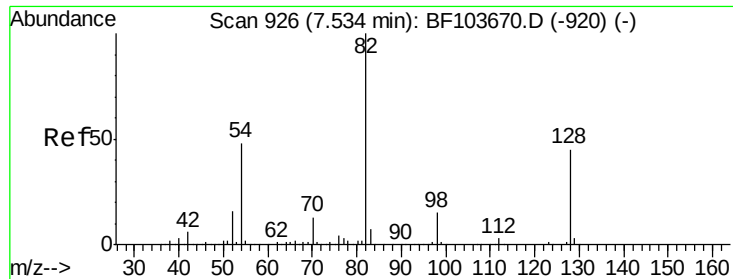
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





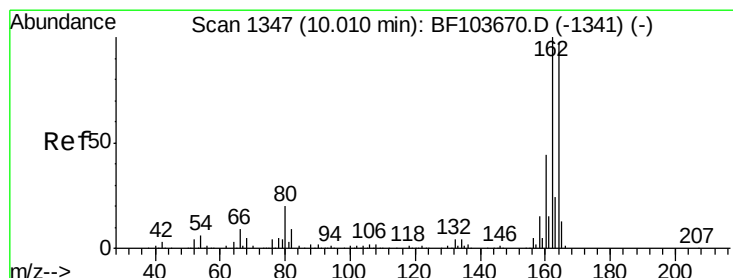
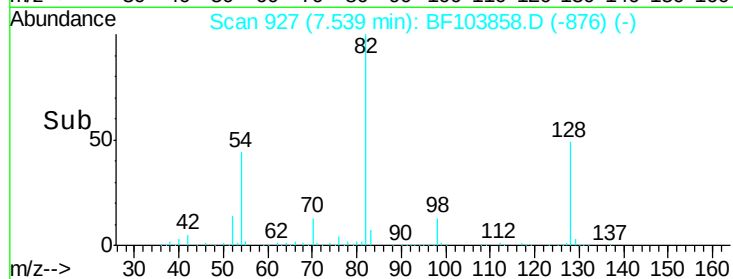
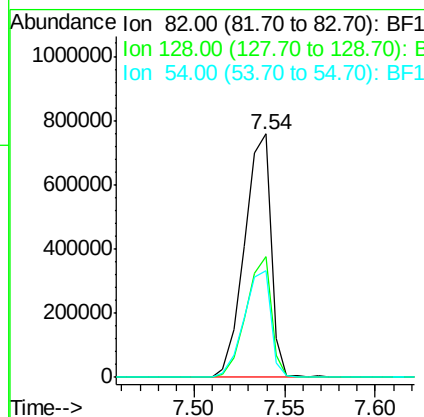
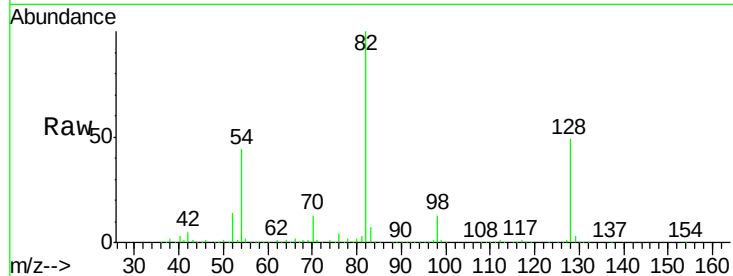
#23
Nitrobenzene-d5
Concen: 86.091 ng
RT: 7.54 min Scan# 927
Delta R.T. -0.00 min
Lab File: BF103858.D
Acq: 22 Mar 2018 18:05

Instrument :
BNA_F
ClientSampleId :
TP-6-MH-A

Tgt Ion	Ratio	Lower	Upper
82	100		
128	49.3	36.1	54.1
54	43.8	41.4	62.2

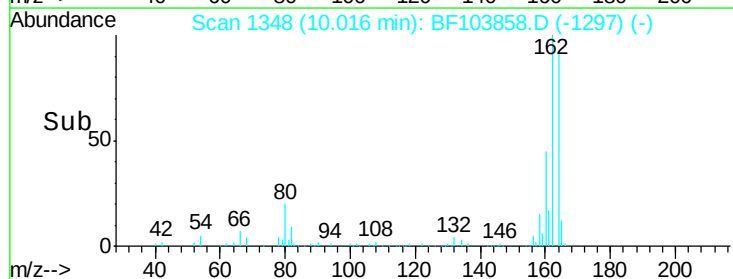
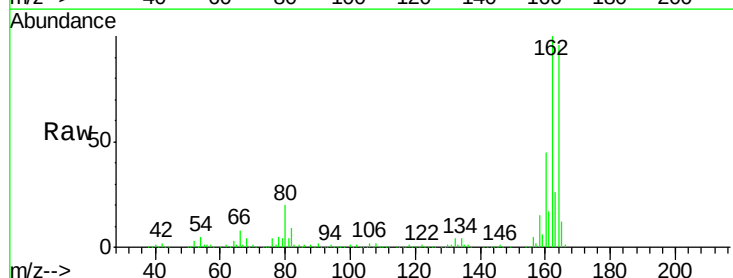
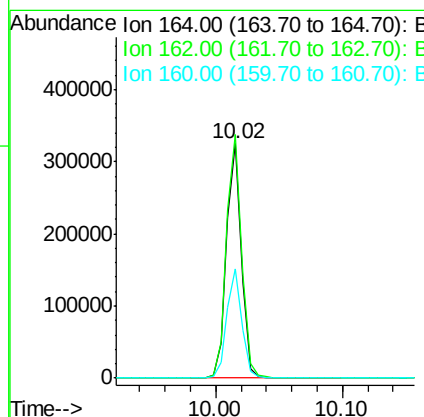
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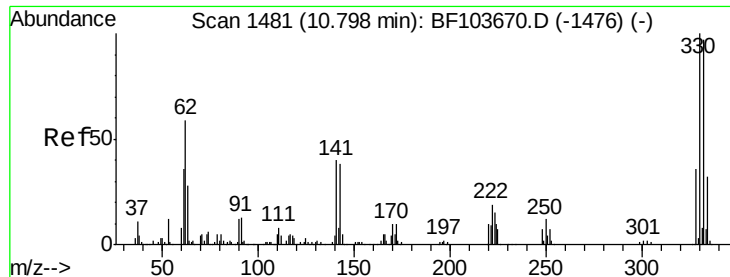
Sohil
3/23/2018 2:46:46 PM



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.02 min Scan# 1348
Delta R.T. -0.00 min
Lab File: BF103858.D
Acq: 22 Mar 2018 18:05

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.9	86.1	129.1
160	46.5	38.3	57.5





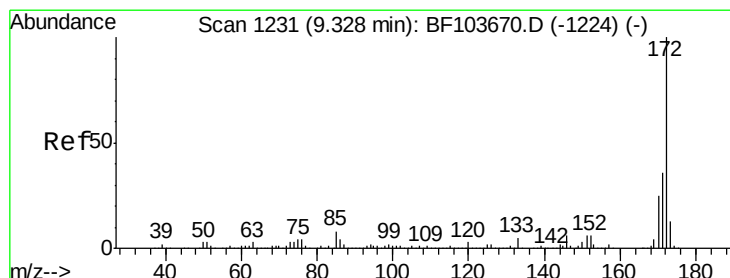
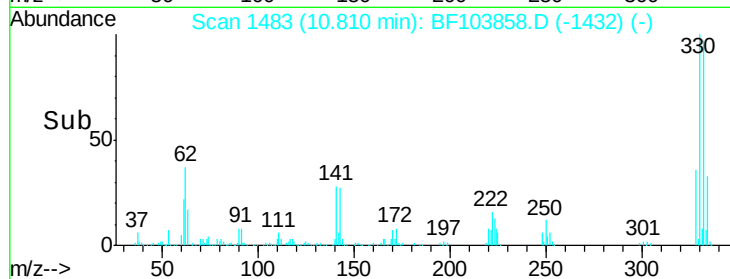
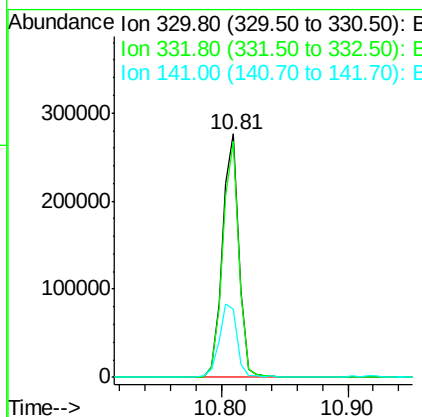
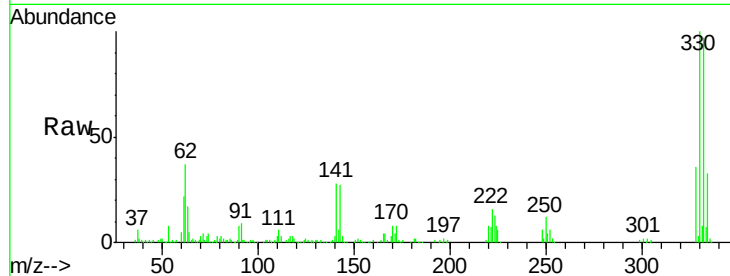
#41
 2,4,6-Tribromophenol
 Concen: 109.309 ng
 RT: 10.81 min Scan# 1483
 Delta R.T. -0.00 min
 Lab File: BF103858.D
 Acq: 22 Mar 2018 18:05

Instrument :
 BNA_F
 ClientSampleId :
 TP-6-MH-A

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	250141		
332	95.5	77.0	115.6	
141	32.3	29.9	44.9	

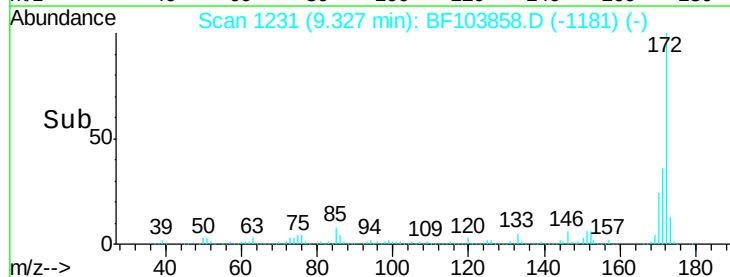
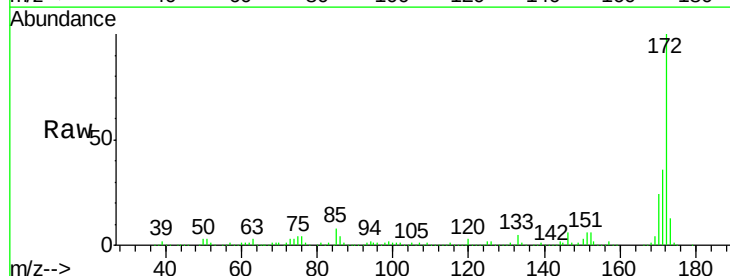
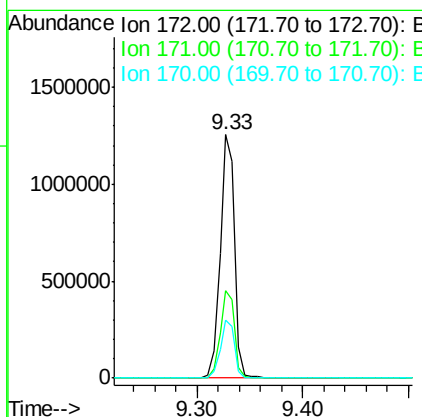
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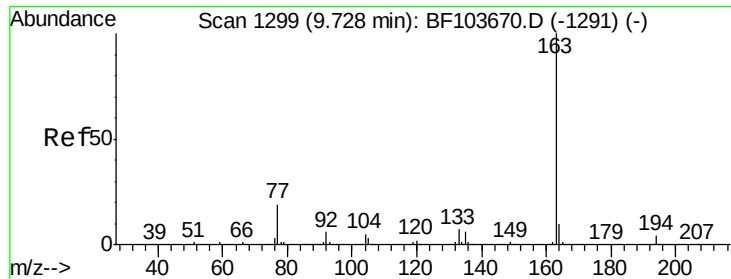
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 3/23/2018 2:46:46 PM



#44
 2-Fluorobiphenyl
 Concen: 71.546 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: BF103858.D
 Acq: 22 Mar 2018 18:05

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1193745		
171	36.1	29.7	44.5	
170	24.0	19.6	29.4	





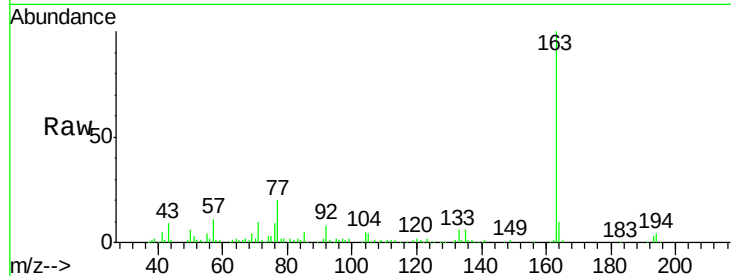
#49
Dimethylphthalate
Concen: 5.938 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BF103858.D
Acq: 22 Mar 2018 18:05

Instrument :
BNA_F
ClientSampleId :
TP-6-MH-A

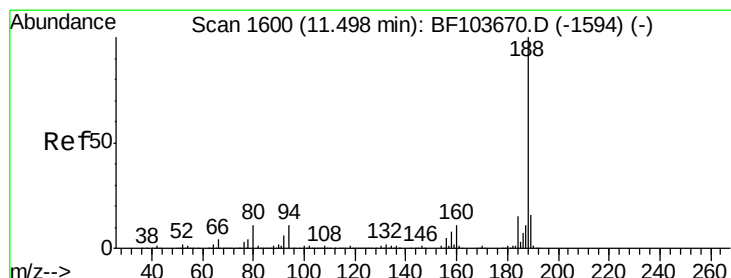
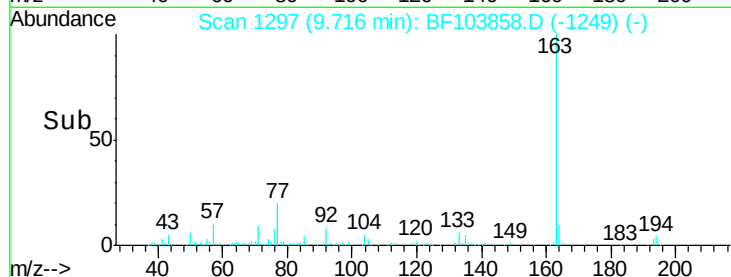
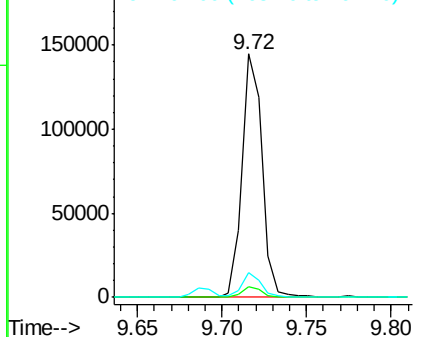
Tgt Ion	Ratio	Resp	Lower	Upper
163	100	120576		
194	4.2	2.7	4.1#	
164	10.3	8.2	12.2	

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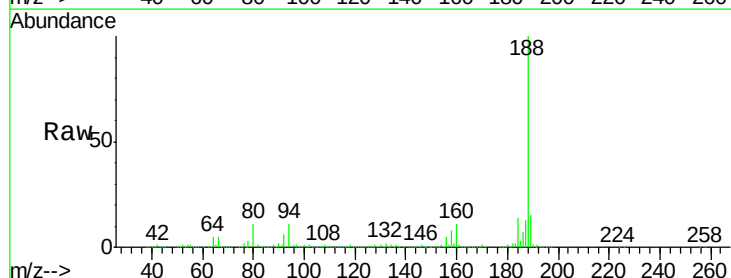


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

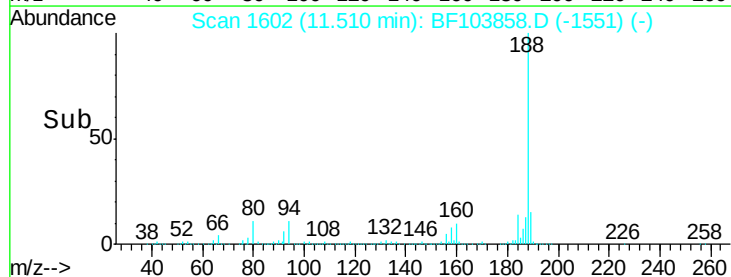
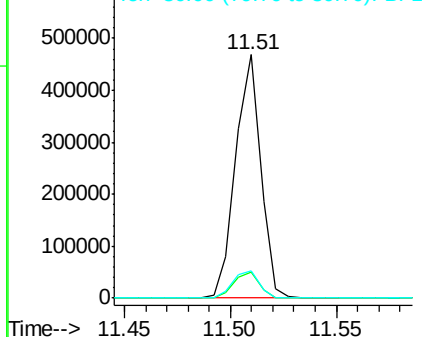


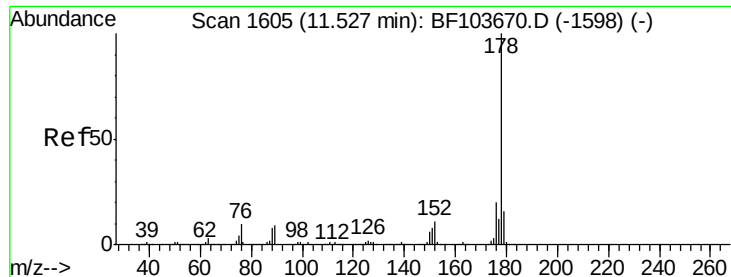
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.51 min Scan# 1602
Delta R.T. -0.00 min
Lab File: BF103858.D
Acq: 22 Mar 2018 18:05

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	384450		
94	10.7	8.5	12.7	
80	11.3	9.2	13.8	



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





#70

Phenanthrene

Concen: 10.459 ng

RT: 11.53 min Scan# 1606

Delta R.T. -0.01 min

Lab File: BF103858.D

Acq: 22 Mar 2018 18:05

Instrument :

BNA_F

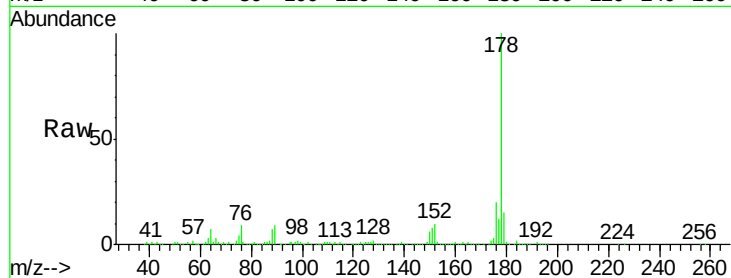
ClientSampleId :

TP-6-MH-A

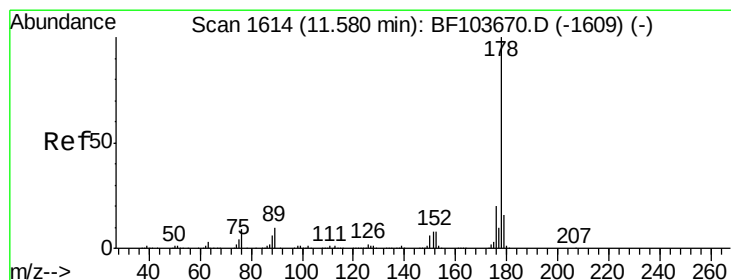
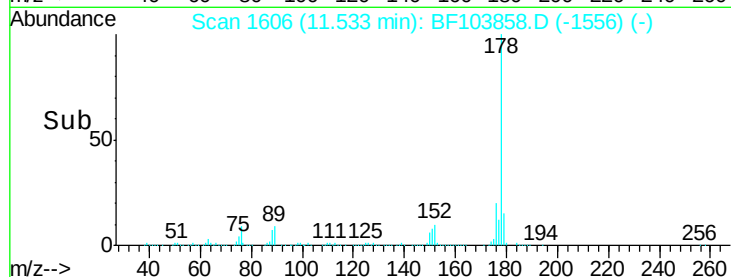
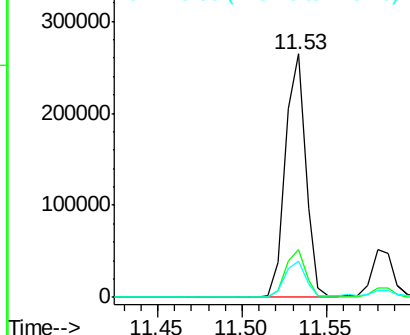
Tgt Ion:	178	Resp:	219950
Ion Ratio		Lower	Upper
178	100		
176	19.8	15.8	23.8
179	15.2	13.0	19.6

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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 2.026 ng

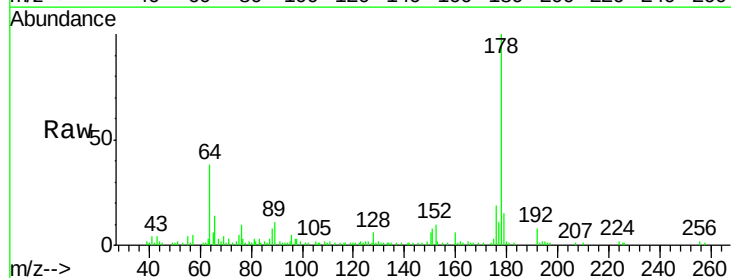
RT: 11.58 min Scan# 1614

Delta R.T. -0.01 min

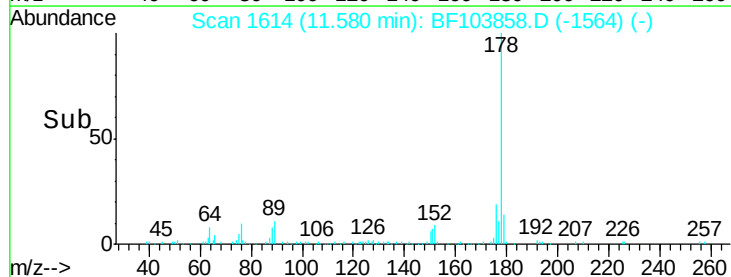
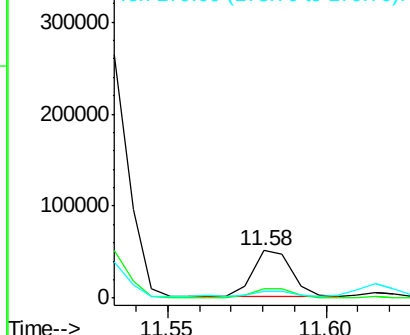
Lab File: BF103858.D

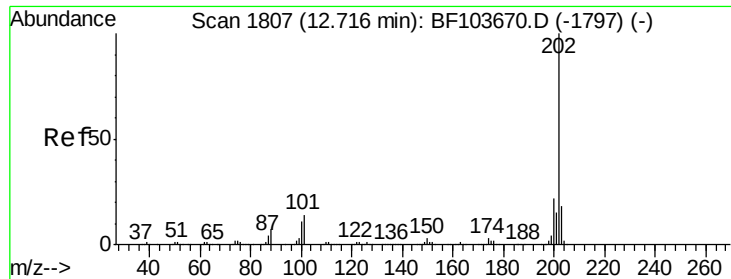
Acq: 22 Mar 2018 18:05

Tgt Ion:	178	Resp:	43267
Ion Ratio		Lower	Upper
178	100		
176	19.2	15.4	23.2
179	14.7	12.6	19.0



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 17.418 ng

RT: 12.74 min Scan# 1811

Delta R.T. 0.01 min

Lab File: BF103858.D

Acq: 22 Mar 2018 18:05

Instrument :

BNA_F

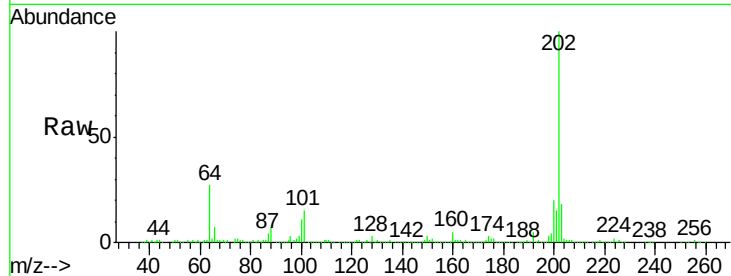
ClientSampled :

TP-6-MH-A

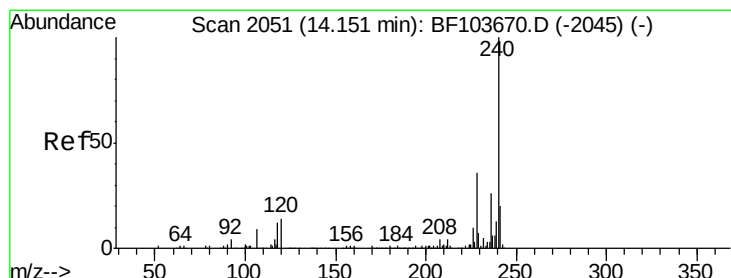
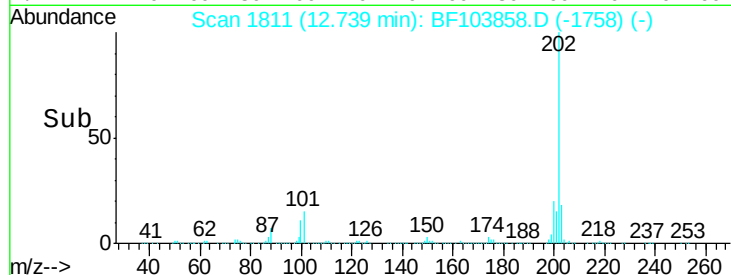
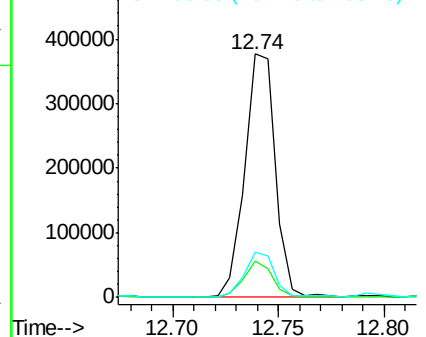
Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		377382		
101	14.7	0.0	34.1		
203	18.4	0.0	38.1		

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

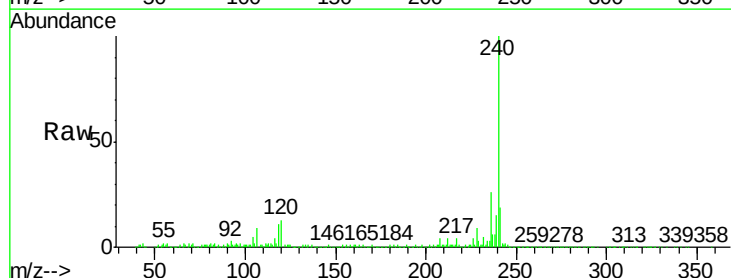
RT: 14.16 min Scan# 2053

Delta R.T. -0.00 min

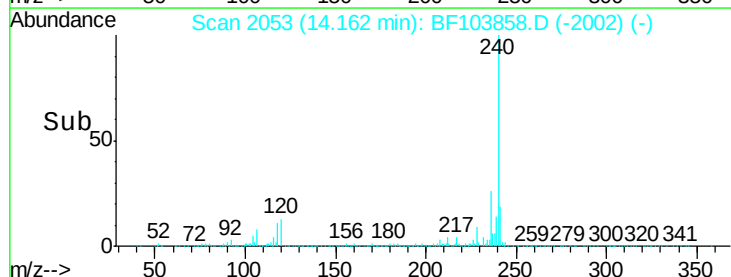
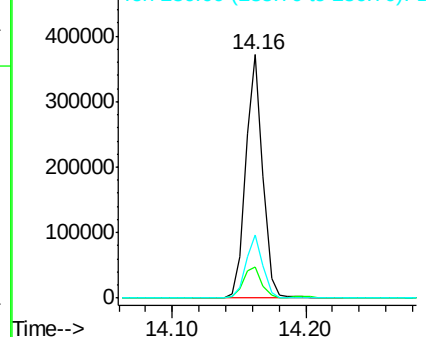
Lab File: BF103858.D

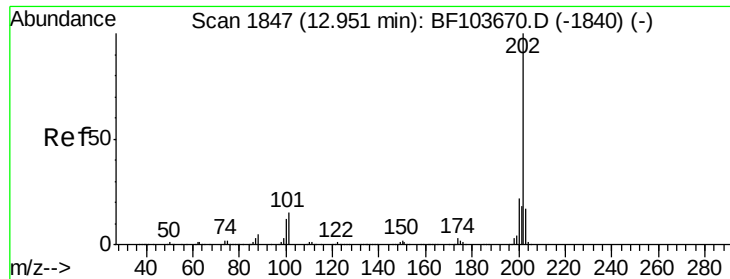
Acq: 22 Mar 2018 18:05

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		323984		
120	12.9	9.5	14.3		
236	26.1	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





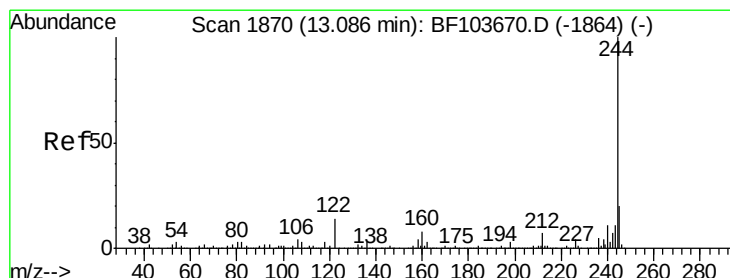
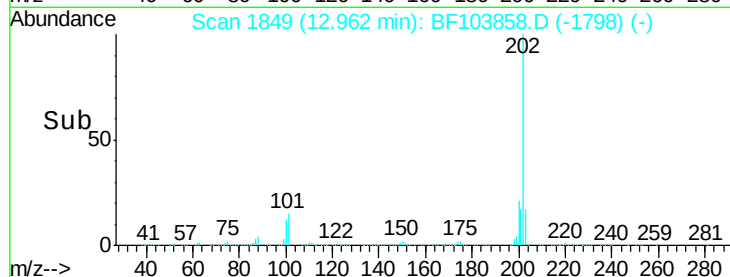
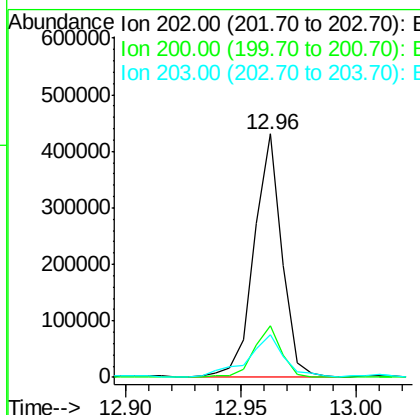
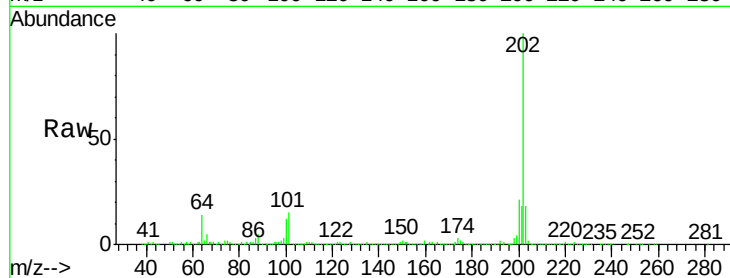
#77
 Pyrene
 Concen: 15.100 ng
 RT: 12.96 min Scan# 1849
 Delta R.T. -0.00 min
 Lab File: BF103858.D
 Acq: 22 Mar 2018 18:05

Instrument :
 BNA_F
 ClientSampled :
 TP-6-MH-A

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	359268		
200	21.5		17.4	26.2
203	17.6		14.3	21.5

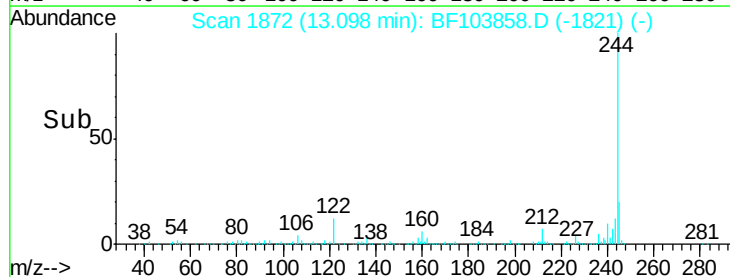
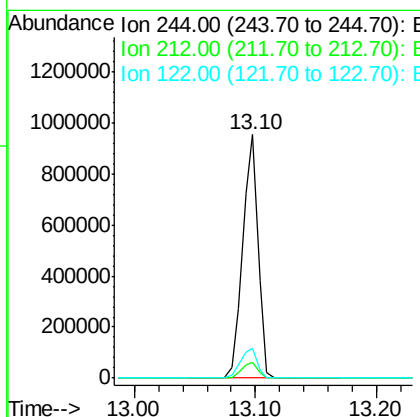
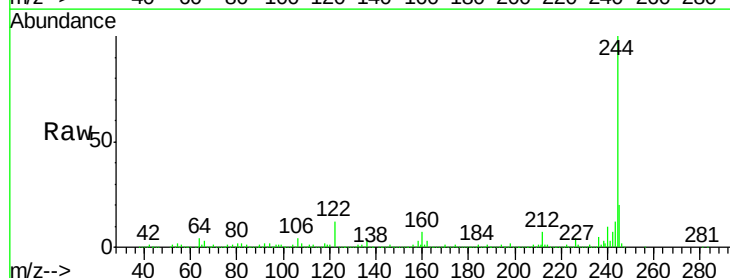
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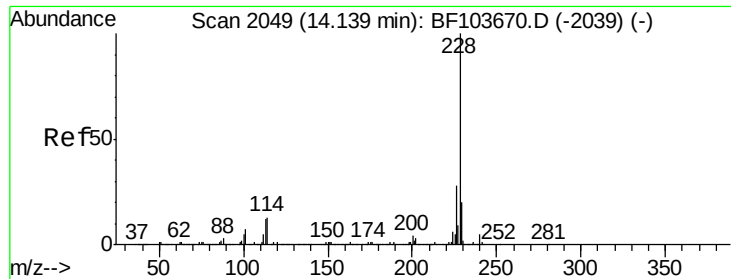
Sohil
 3/23/2018 2:46:46 PM



#78
 Terphenyl-d14
 Concen: 61.103 ng
 RT: 13.10 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: BF103858.D
 Acq: 22 Mar 2018 18:05

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	852878		
212	6.7		5.4	8.0
122	12.2		11.0	16.4





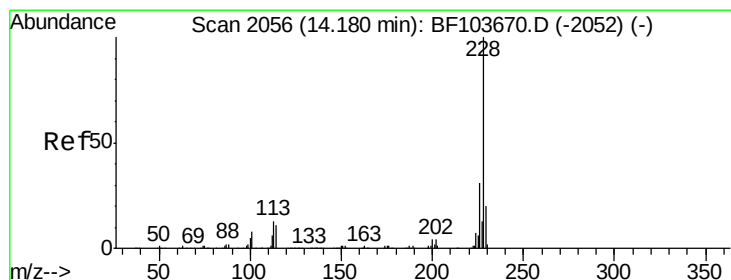
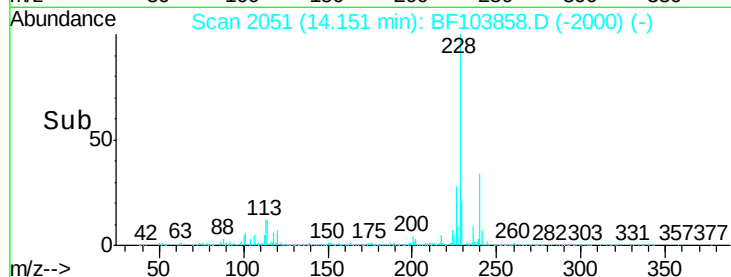
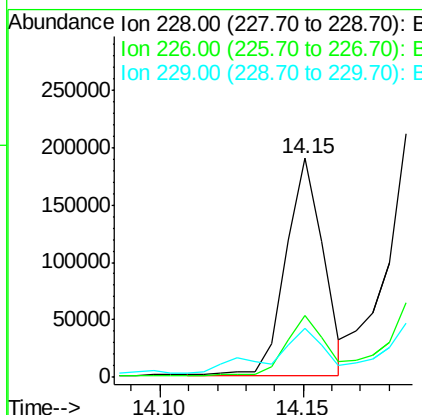
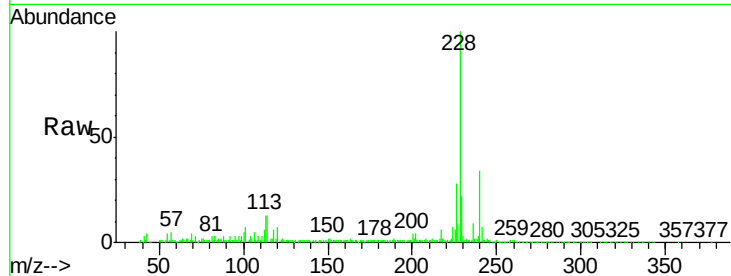
#80
Benzo(a)anthracene
Concen: 8.431 ng m
RT: 14.15 min Scan# 2051
Delta R.T. -0.00 min
Lab File: BF103858.D
Acq: 22 Mar 2018 18:05

Instrument :
BNA_F
ClientSampleId :
TP-6-MH-A

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.6	33.8
229	22.3	15.8	23.6

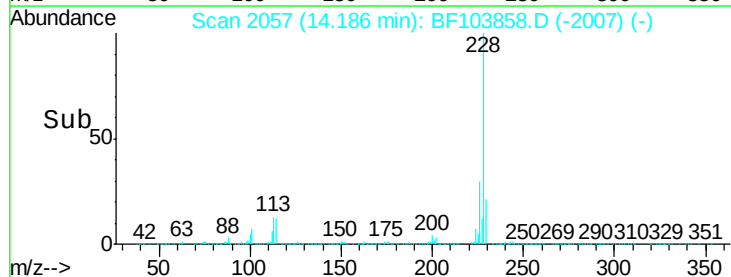
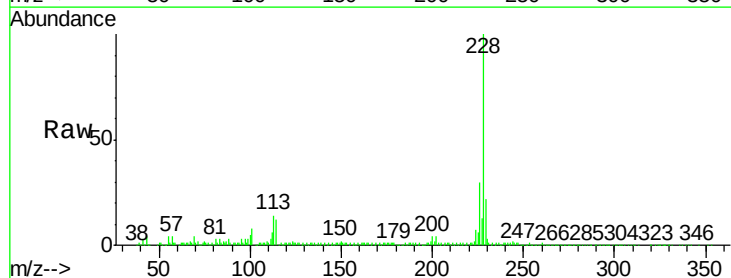
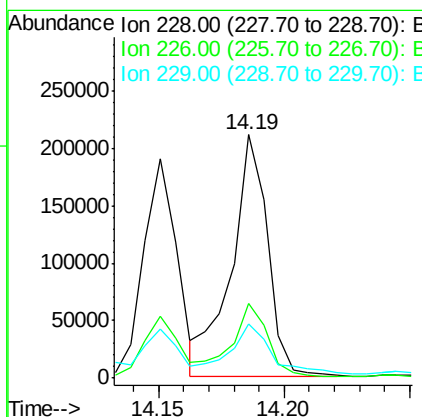
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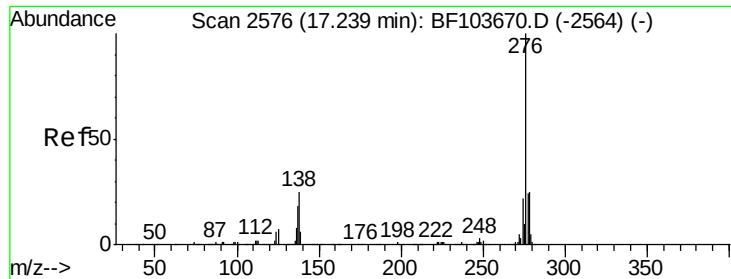
Sohil
3/23/2018 2:46:46 PM



#82
Chrysene
Concen: 10.826 ng m
RT: 14.19 min Scan# 2057
Delta R.T. -0.01 min
Lab File: BF103858.D
Acq: 22 Mar 2018 18:05

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.0	37.6
229	22.2	16.2	24.4





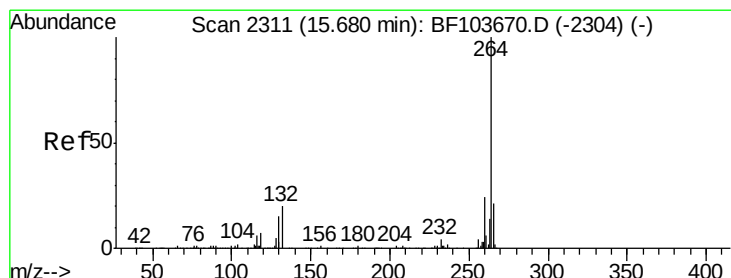
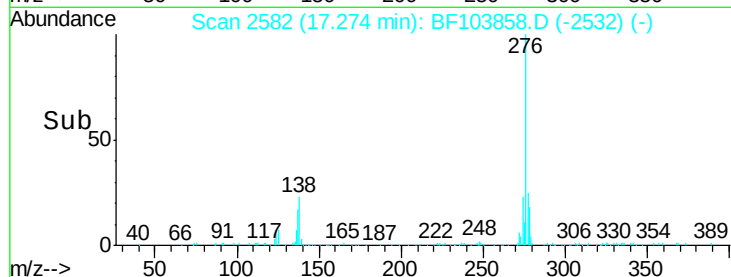
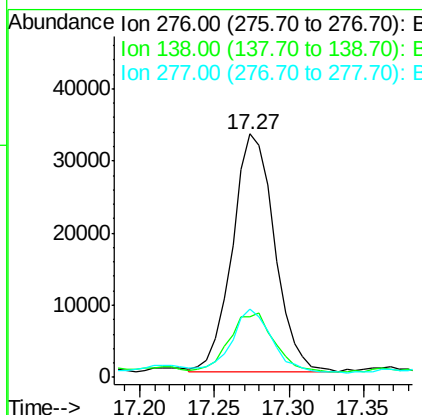
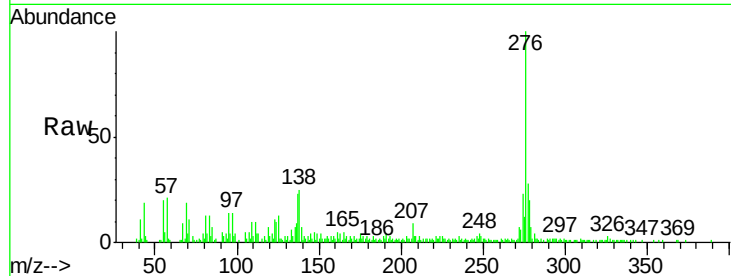
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.785 ng
 RT: 17.27 min Scan# 2582
 Delta R.T. -0.01 min
 Lab File: BF103858.D
 Acq: 22 Mar 2018 18:05

Instrument :
 BNA_F
 ClientSampleId :
 TP-6-MH-A

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.9	25.0	37.6
277	25.3	20.1	30.1

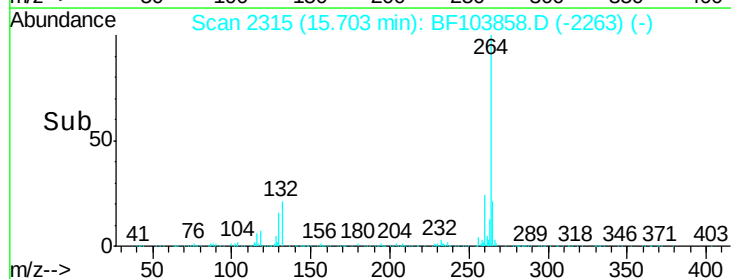
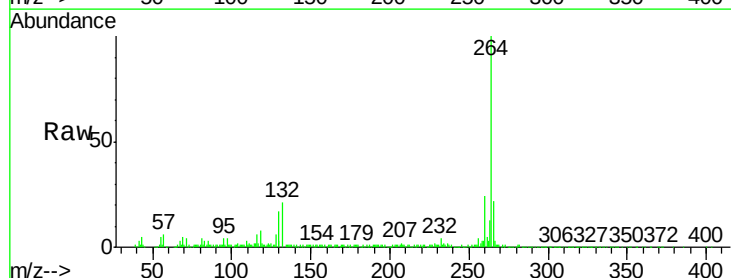
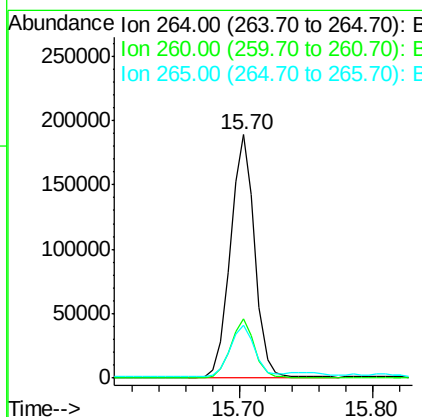
Manual Integrations
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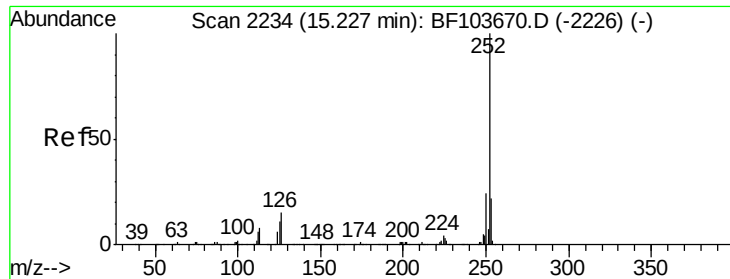
Sohil
 3/23/2018 2:46:46 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.70 min Scan# 2315
 Delta R.T. 0.01 min
 Lab File: BF103858.D
 Acq: 22 Mar 2018 18:05

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	21.8	17.5	26.3





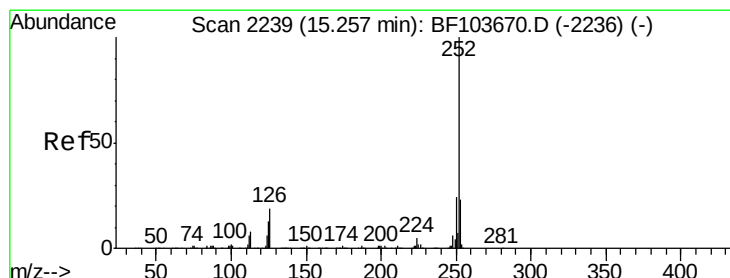
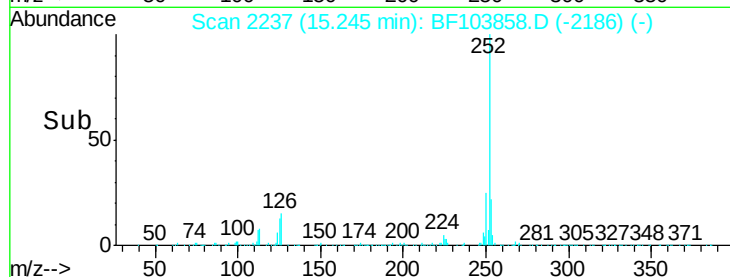
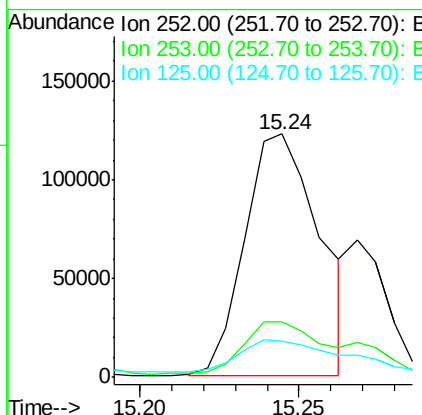
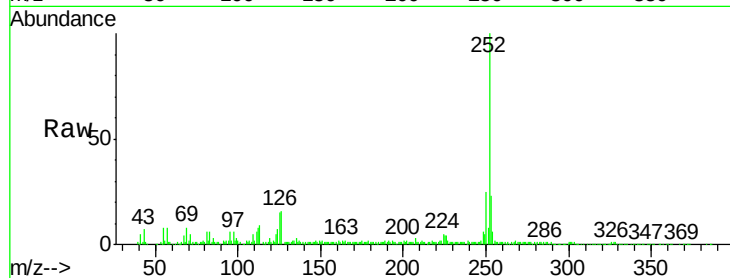
#87
Benzo(b)fluoranthene
Concen: 13.301 ng m
RT: 15.24 min Scan# 2237
Delta R.T. -0.00 min
Lab File: BF103858.D
Acq: 22 Mar 2018 18:05

Instrument :
BNA_F
ClientSampleId :
TP-6-MH-A

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.0	25.6
125	15.1	9.0	13.6

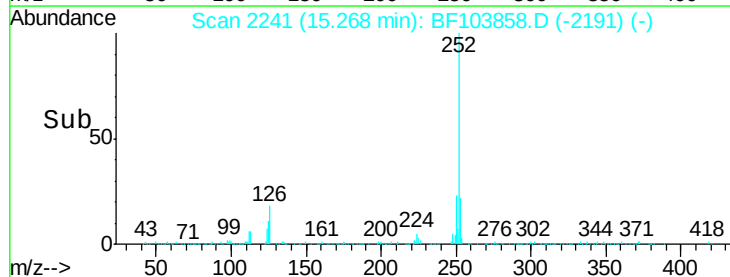
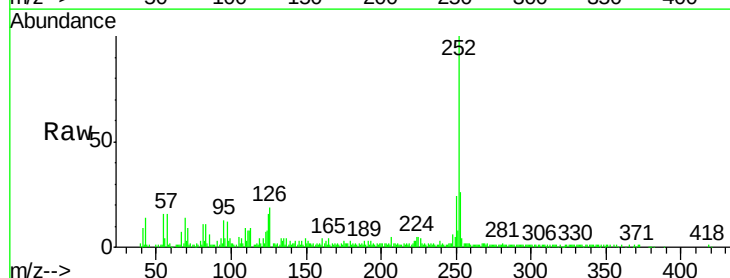
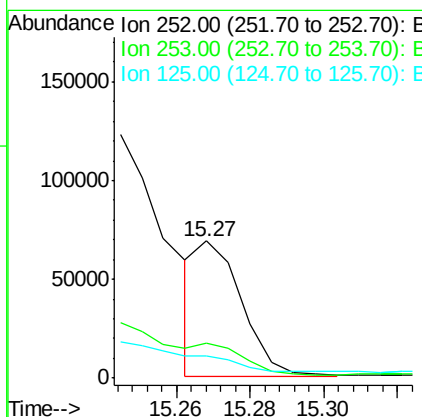
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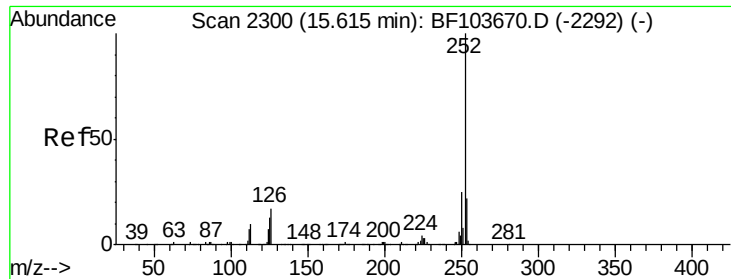
Sohil
3/23/2018 2:46:46 PM



#88
Benzo(k)fluoranthene
Concen: 3.944 ng m
RT: 15.27 min Scan# 2241
Delta R.T. -0.01 min
Lab File: BF103858.D
Acq: 22 Mar 2018 18:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.8	17.9	26.9
125	16.1	10.2	15.2





#89

Benzo(a)pyrene

Concen: 9.371 ng

RT: 15.63 min Scan# 2303

Delta R.T. -0.00 min

Lab File: BF103858.D

Acq: 22 Mar 2018 18:05

Instrument :

BNA_F

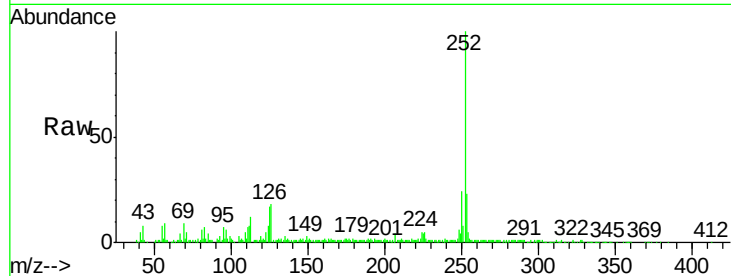
ClientSampleId :

TP-6-MH-A

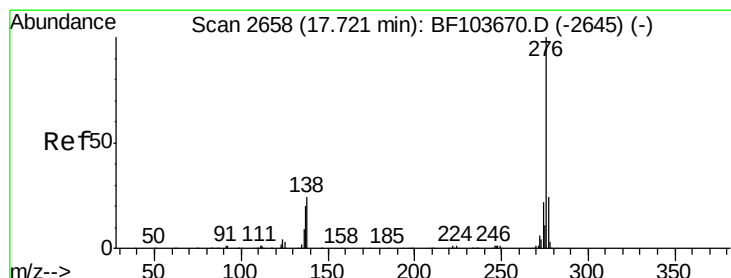
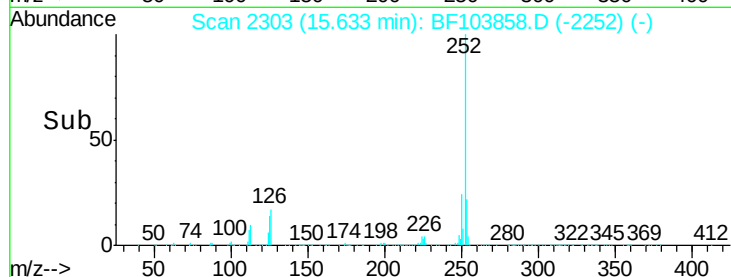
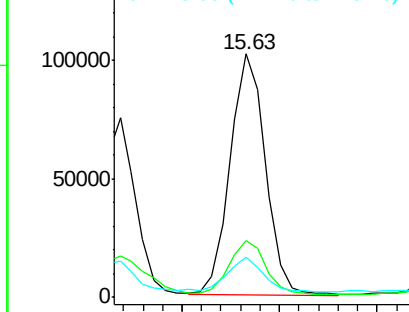
Tgt Ion:	252	Resp:	127899
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.1	25.7
125	16.6	9.8	14.6

Manual Integrations
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3/23/2018 2:46:46 PM



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91

Benzo(g,h,i)perylene

Concen: 5.589 ng

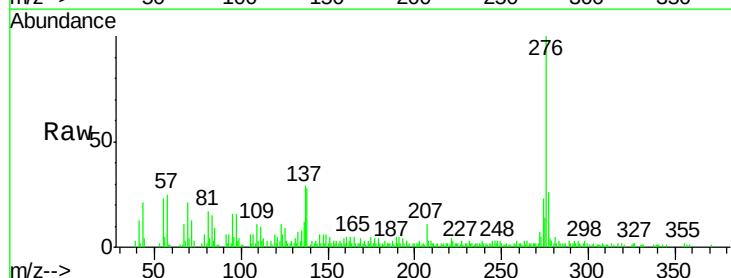
RT: 17.76 min Scan# 2664

Delta R.T. -0.01 min

Lab File: BF103858.D

Acq: 22 Mar 2018 18:05

Tgt Ion:	276	Resp:	64254
Ion Ratio	Lower	Upper	
276	100		
277	25.8	17.9	26.9
138	28.2	21.8	32.8



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

