

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032318\
 Data File : BF103876.D
 Acq On : 23 Mar 2018 13:27
 Operator : JU/SJ
 Sample : J2002-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-4-MH-B

Manual Integrations
 APPROVED

Sohil
 3/26/2018 4:32:55 PM

Quant Time: Mar 23 14:24:14 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 23 13:26:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	158350	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	638204	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	285150	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	448823	20.00	ng	0.00
75) Chrysene-d12	14.16	240	312042	20.00	ng	0.00
86) Perylene-d12	15.71	264	306945	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	1156516	111.09	ng	0.01
7) Phenol-d6	6.60	99	1432730	112.49	ng	0.00
23) Nitrobenzene-d5	7.54	82	878145	95.95	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	337548	137.68	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1096827	61.36	ng	0.00
78) Terphenyl-d14	13.10	244	819148	60.93	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.72	163	188931	8.684	ng	99
51) Acenaphthene	10.05	154	40607	2.335	ng	94
57) Fluorene	10.56	166	47681	2.474	ng	100
70) Phenanthrene	11.53	178	428161	17.439	ng	99
71) Anthracene	11.59	178	120354	4.826	ng	99
74) Fluoranthene	12.74	202	499454	19.746	ng	99
77) Pyrene	12.96	202	495974	21.643	ng	99
80) Benzo(a)anthracene	14.15	228	239273	12.114	ng	98
82) Chrysene	14.19	228	228982	12.161	ng	97
85) Indeno(1,2,3-cd)pyrene	17.29	276	87901	5.346	ng	93
87) Benzo(b)fluoranthene	15.25	252	260296m	13.423	ng	
88) Benzo(k)fluoranthene	15.27	252	71914m	3.858	ng	
89) Benzo(a)pyrene	15.64	252	192010	10.917	ng	97
91) Benzo(a,h,i)perylene	17.77	276	84066	5.674	ng	98

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

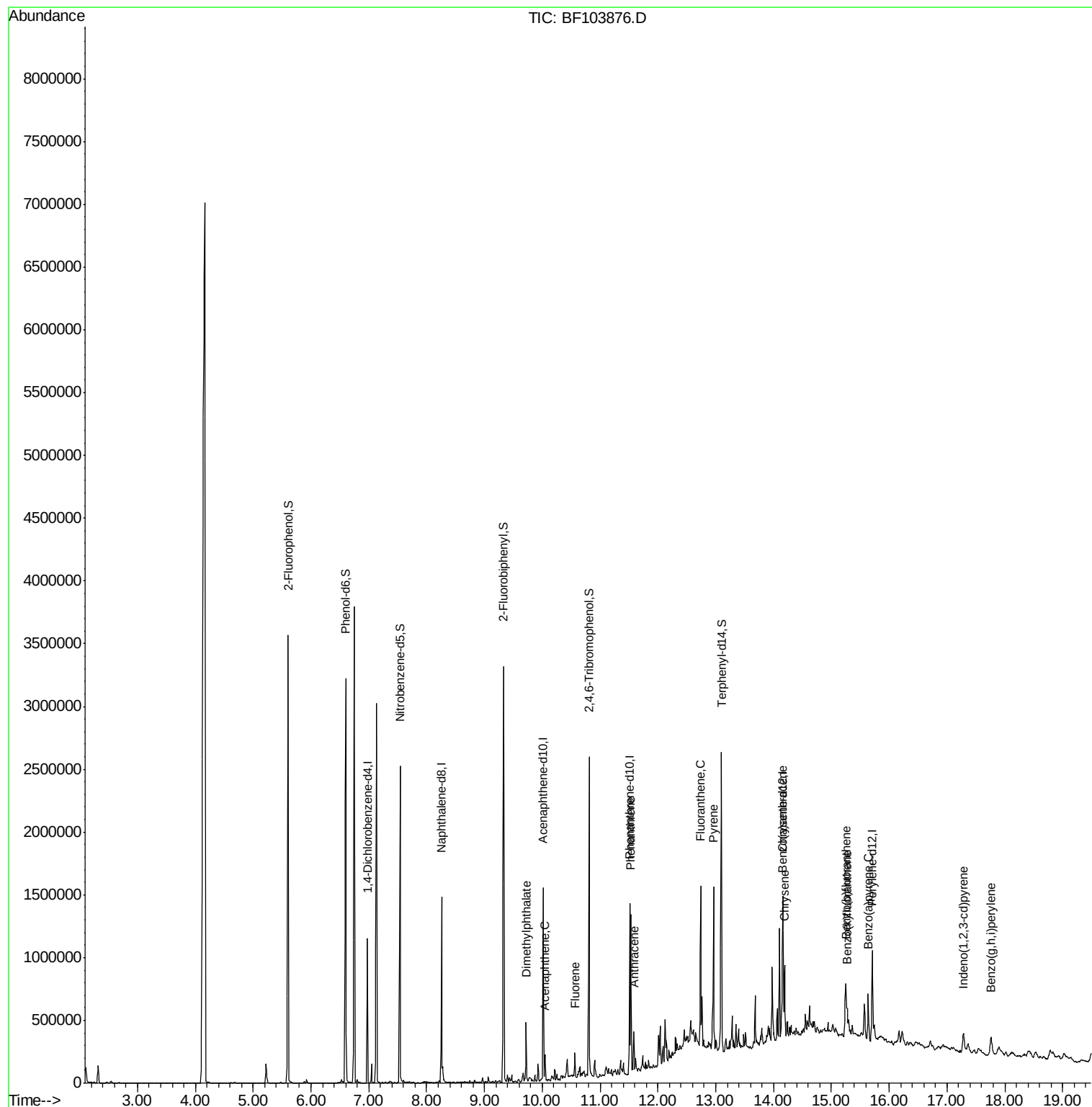
Data Path : Z:\HPCHEM1\BNA F\DATA\BF032318\
Data File : BF103876.D
Acq On : 23 Mar 2018 13:27
Operator : JU/SJ
Sample : J2002-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

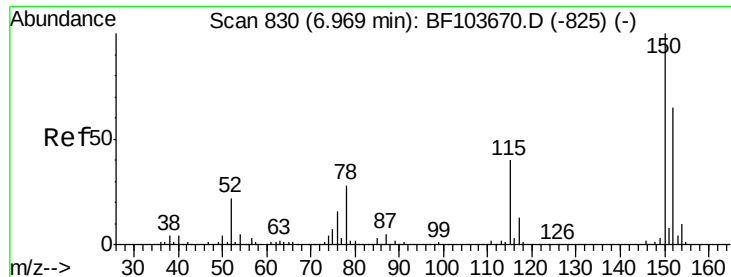
Instrument :
BNA_F
ClientSampleId :
TP-4-MH-B

Manual Integrations
APPROVED

Sohil
3/26/2018 4:32:55 PM

Quant Time: Mar 23 14:24:14 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 23 13:26:17 2018
Response via : Initial Calibration





#1

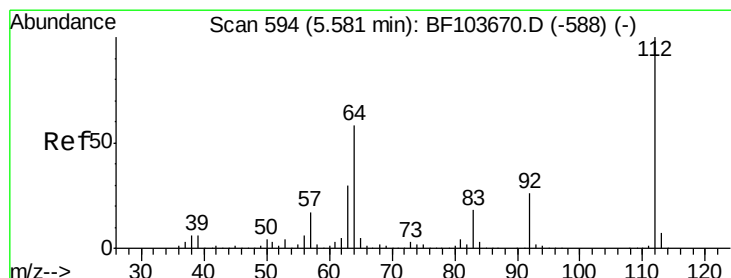
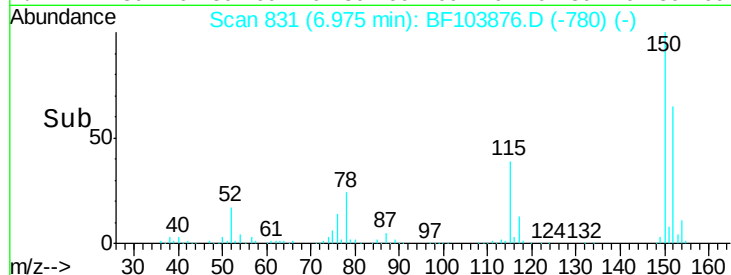
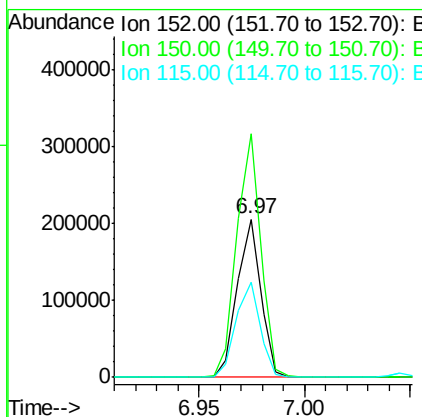
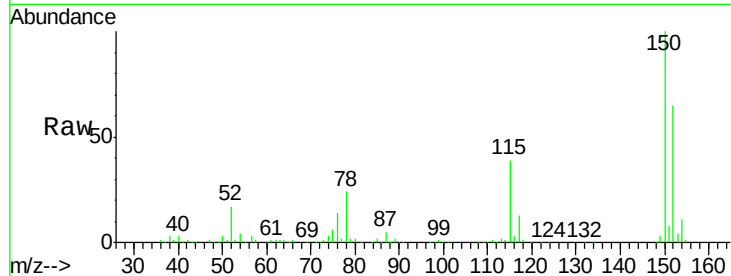
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 831
Delta R.T. -0.00 min
Lab File: BF103876.D
Acq: 23 Mar 2018 13:27

Instrument :
BNA_F
ClientSampleId :
TP-4-MH-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.9	124.6	186.8
115	60.3	50.1	75.1

Manual Integrations
APPROVED

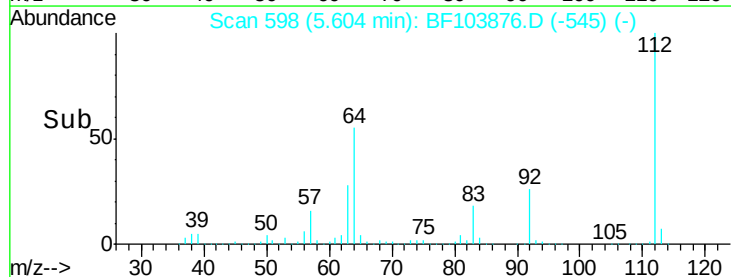
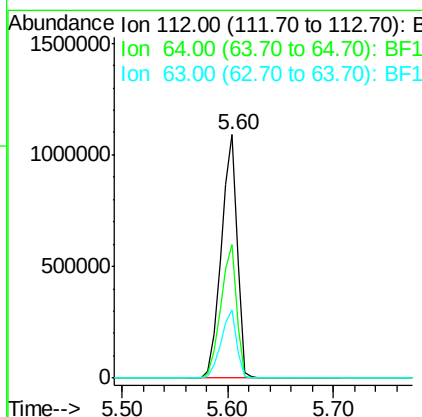
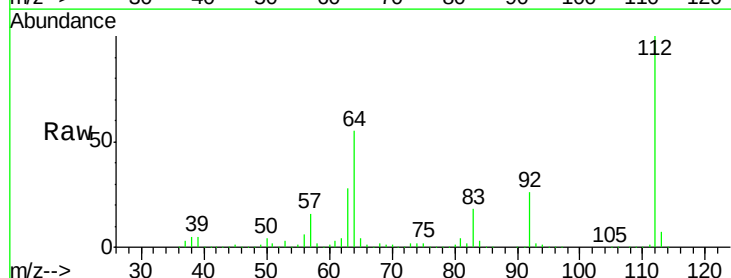
Sohil
3/26/2018 4:32:55 PM

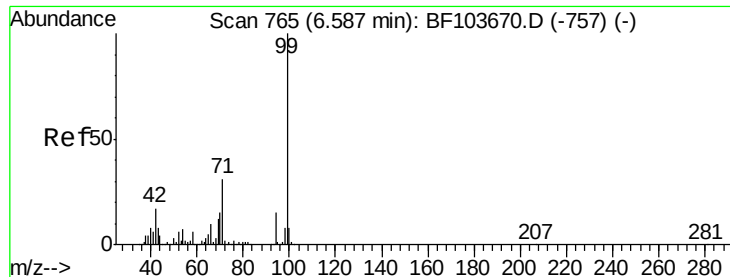


#5

2-Fluorophenol
Concen: 111.086 ng
RT: 5.60 min Scan# 598
Delta R.T. 0.01 min
Lab File: BF103876.D
Acq: 23 Mar 2018 13:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.9	47.9	71.9
63	27.8	23.7	35.5





#7

Phenol-d6

Concen: 112.485 ng

RT: 6.60 min Scan# 768

Delta R.T. 0.01 min

Lab File: BF103876.D

Acq: 23 Mar 2018 13:27

Instrument :

BNA_F

ClientSampled :

TP-4-MH-B

Tot Ion: 99 Resp: 1432730

Ion Ratio Lower Upper

99 100

42 14.9 14.5 21.7

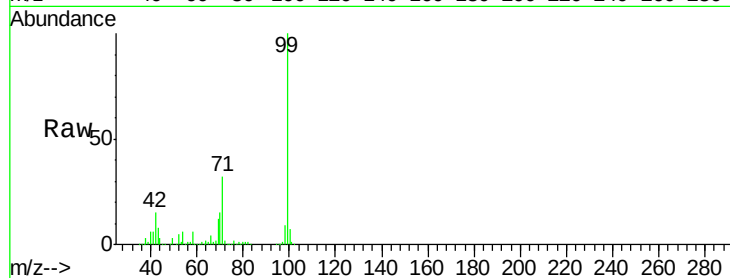
71 31.8 25.4 38.0

Manual Integrations

APPROVED

Sohil

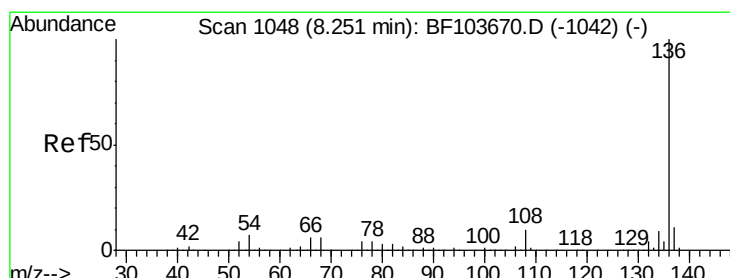
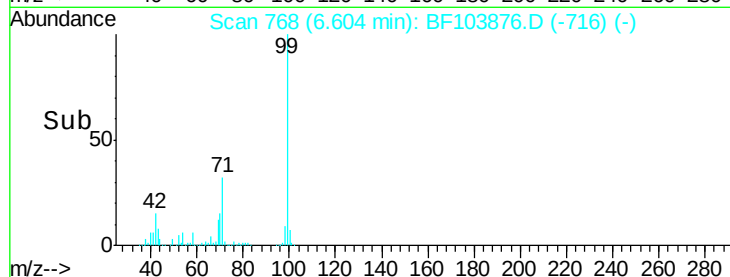
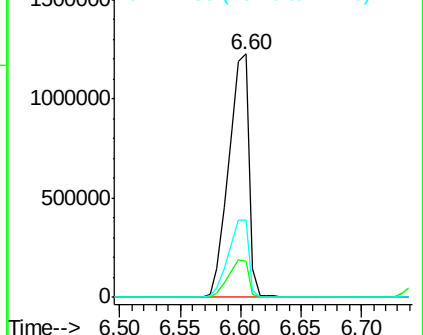
3/26/2018 4:32:55 PM



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: BF103876.D

Acq: 23 Mar 2018 13:27

Tgt Ion: 136 Resp: 638204

Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 6.6 6.6 9.8

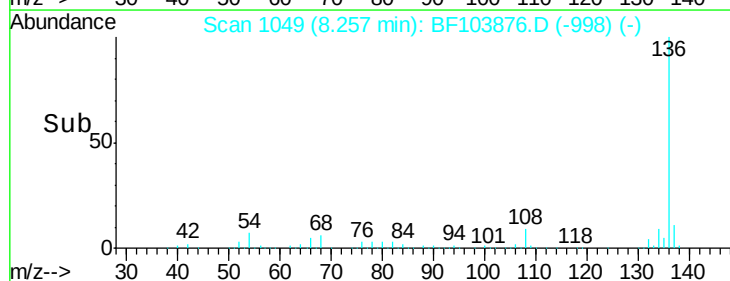
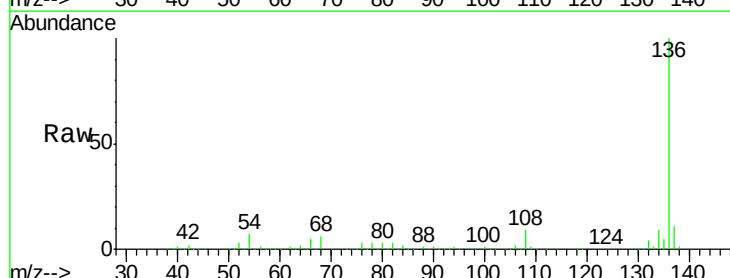
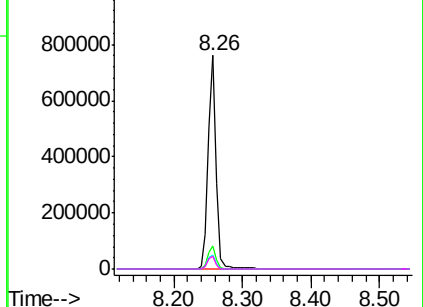
68 6.3 5.0 7.4

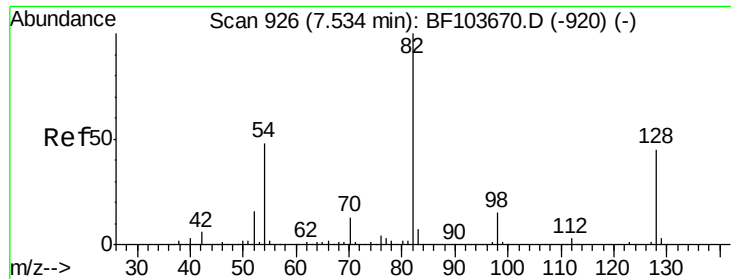
Abundance Ion 136.00 (135.70 to 136.70): E

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





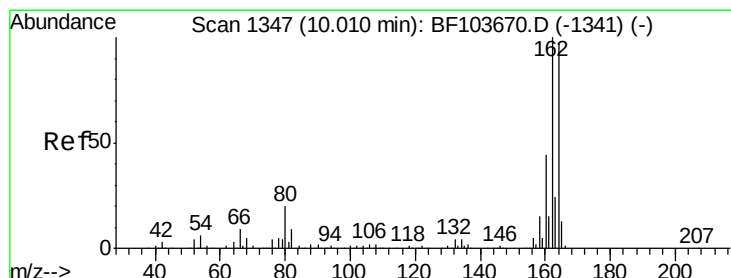
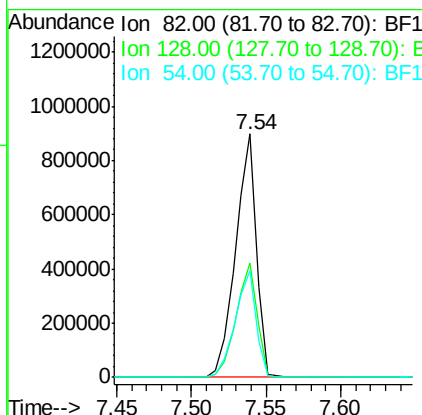
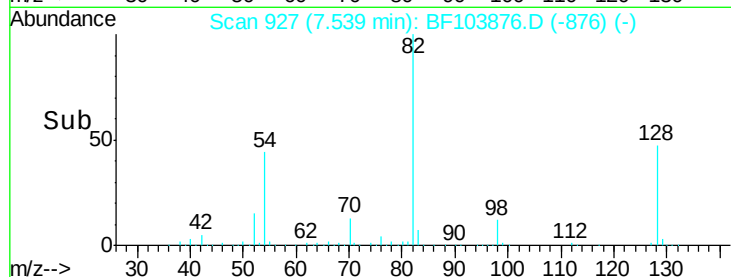
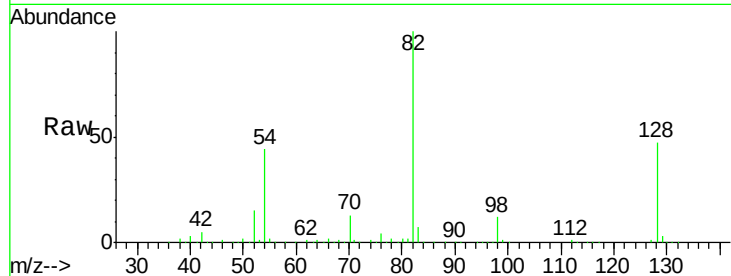
#23
Nitrobenzene-d5
Concen: 95.954 ng
RT: 7.54 min Scan# 927
Delta R.T. -0.00 min
Lab File: BF103876.D
Acq: 23 Mar 2018 13:27

Instrument :
BNA_F
ClientSampled :
TP-4-MH-B

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.1	36.1	54.1
54	44.1	41.4	62.2

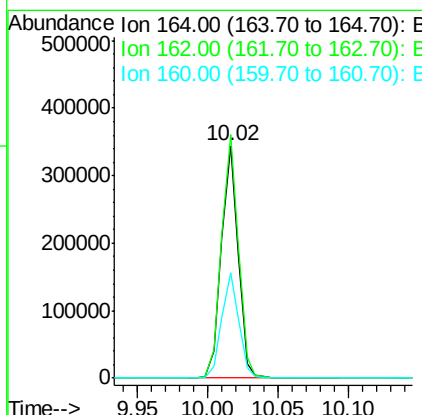
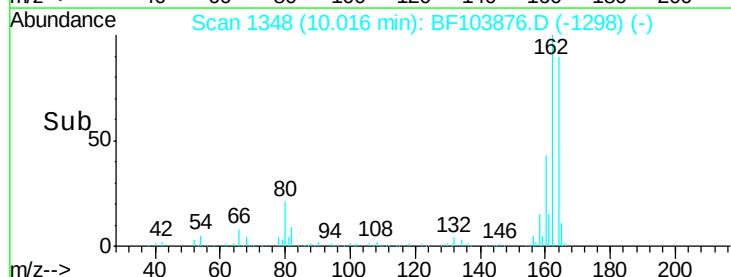
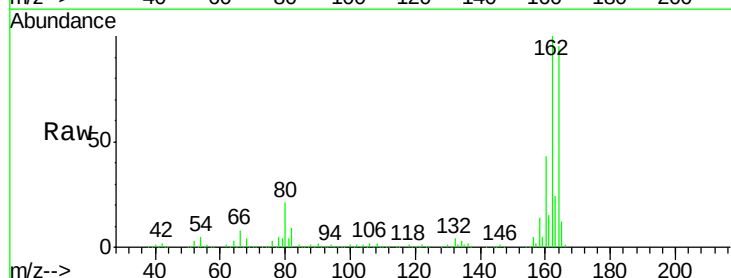
Manual Integrations
APPROVED

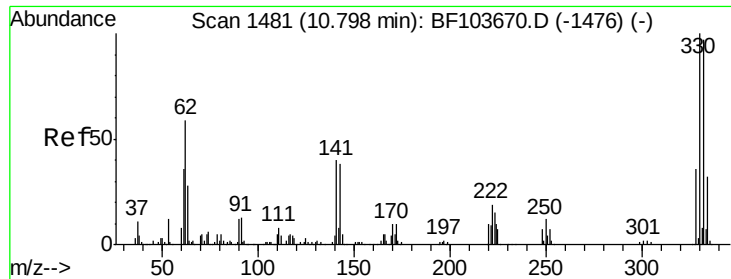
Sohil
3/26/2018 4:32:55 PM



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.02 min Scan# 1348
Delta R.T. -0.01 min
Lab File: BF103876.D
Acq: 23 Mar 2018 13:27

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.8	86.1	129.1
160	45.3	38.3	57.5





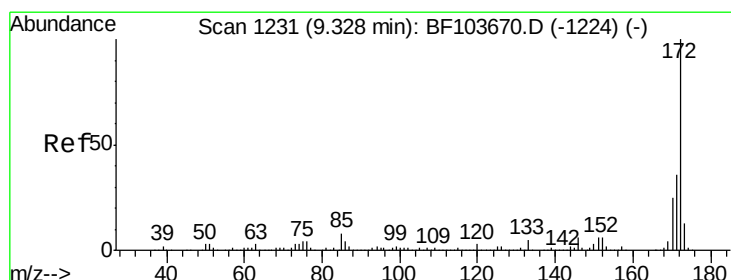
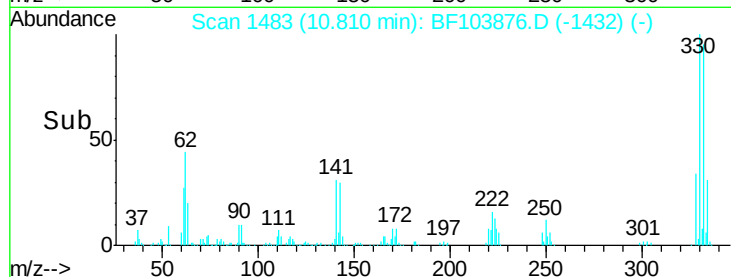
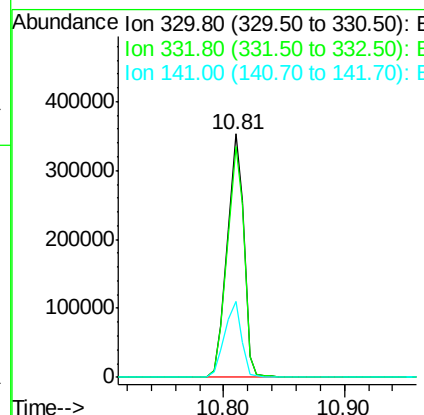
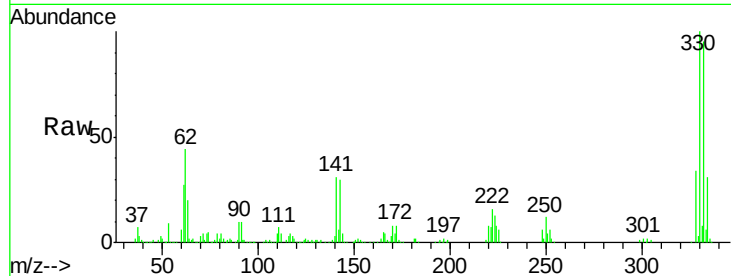
#41
 2,4,6-Tribromophenol
 Concen: 137.677 ng
 RT: 10.81 min Scan# 1483
 Delta R.T. -0.00 min
 Lab File: BF103876.D
 Acq: 23 Mar 2018 13:27

Instrument :
 BNA_F
 ClientSampleId :
 TP-4-MH-B

Tot Ion	Ratio	Resp	Lower	Upper
330	100	337548		
332	96.2	77.0	115.6	
141	31.9	29.9	44.9	

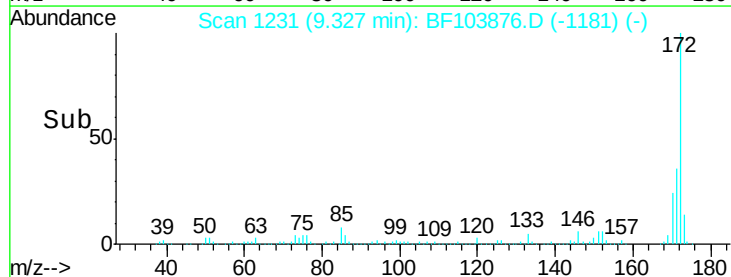
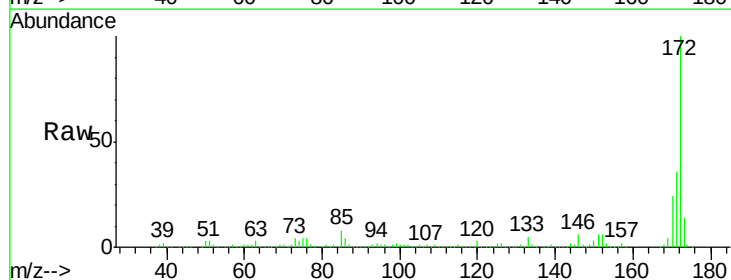
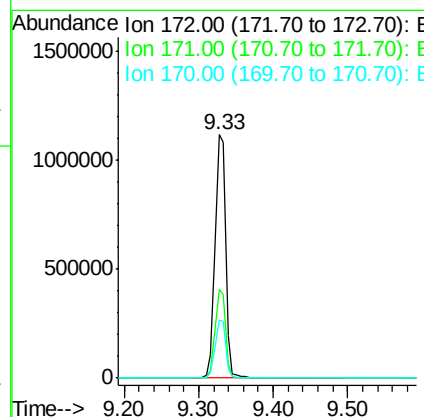
Manual Integrations
 APPROVED

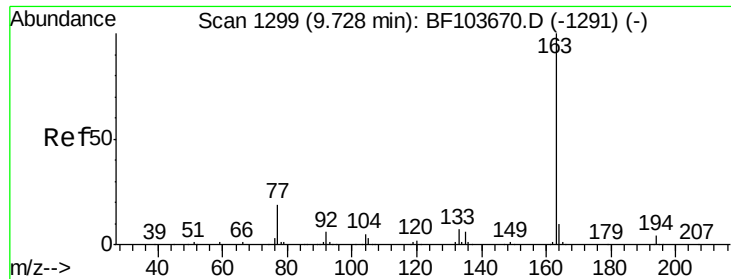
Sohil
 3/26/2018 4:32:55 PM



#44
 2-Fluorobiphenyl
 Concen: 61.357 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: BF103876.D
 Acq: 23 Mar 2018 13:27

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1096827		
171	36.3	29.7	44.5	
170	23.8	19.6	29.4	





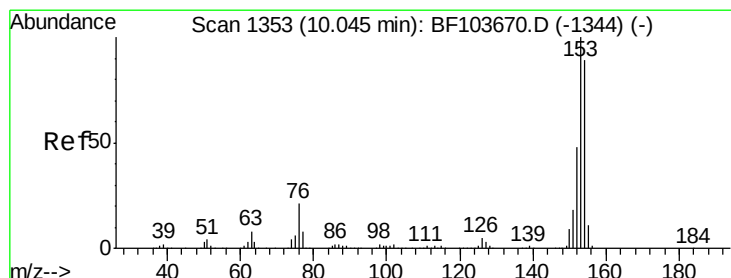
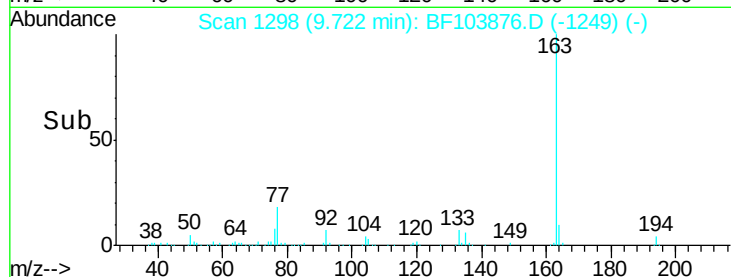
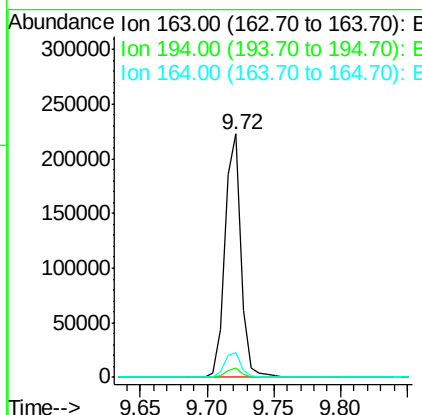
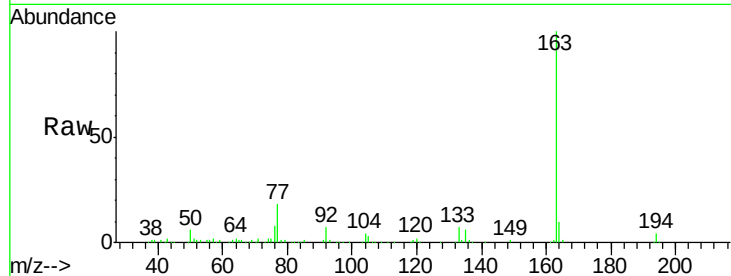
#49
Dimethylphthalate
Concen: 8.684 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.01 min
Lab File: BF103876.D
Acq: 23 Mar 2018 13:27

Instrument :
BNA_F
ClientSampleId :
TP-4-MH-B

Tot Ion	Ratio	Resp	Lower	Upper
163	100	188931		
194	3.8	2.7	4.1	
164	9.9	8.2	12.2	

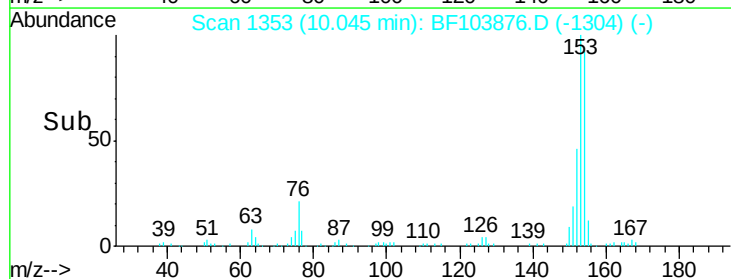
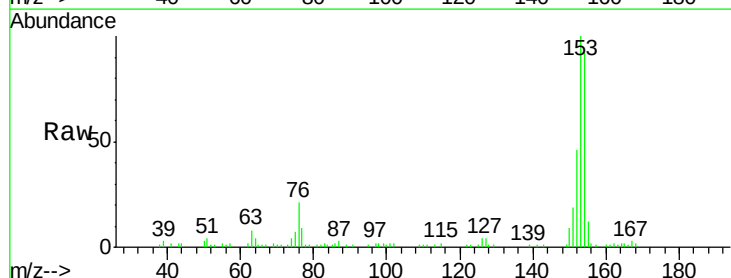
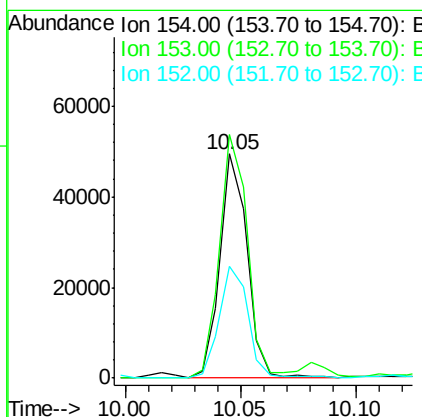
Manual Integrations
APPROVED

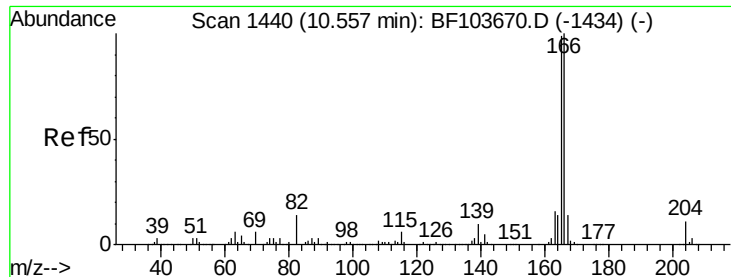
Sohil
3/26/2018 4:32:55 PM



#51
Acenaphthene
Concen: 2.335 ng
RT: 10.05 min Scan# 1353
Delta R.T. -0.01 min
Lab File: BF103876.D
Acq: 23 Mar 2018 13:27

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	40607		
153	108.6	91.2	136.8	
152	49.7	43.8	65.8	





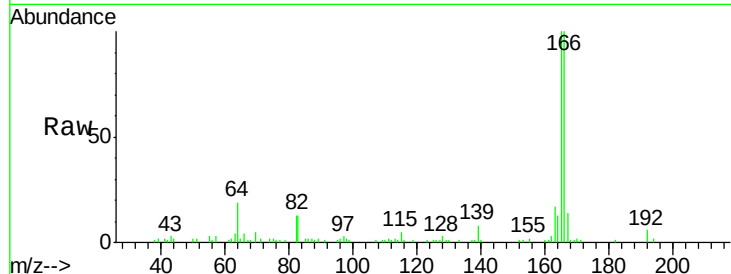
#57
Fluorene
 Concen: 2.474 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: BF103876.D
 Acq: 23 Mar 2018 13:27

Instrument :
 BNA_F
 ClientSampled :
 TP-4-MH-B

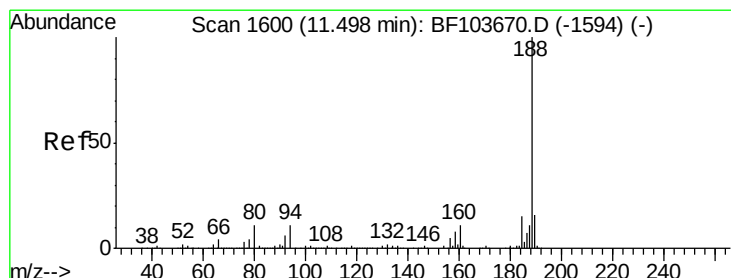
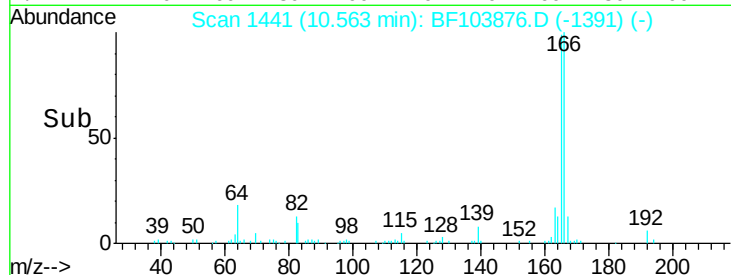
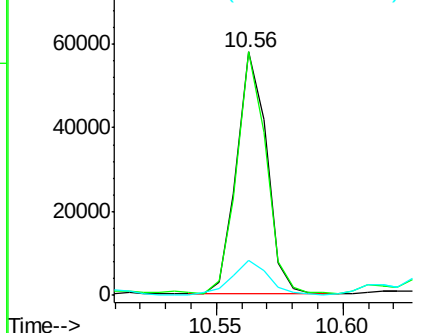
Tot Ion	Ion	Ratio	Lower	Upper
166	100			
165	100.0	79.8	119.8	
167	14.1	10.6	16.0	

Manual Integrations
 APPROVED

Sohil
 3/26/2018 4:32:55 PM



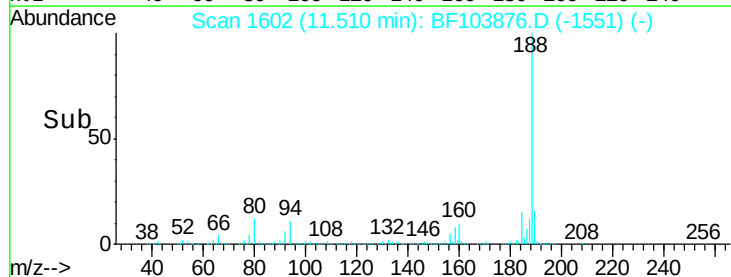
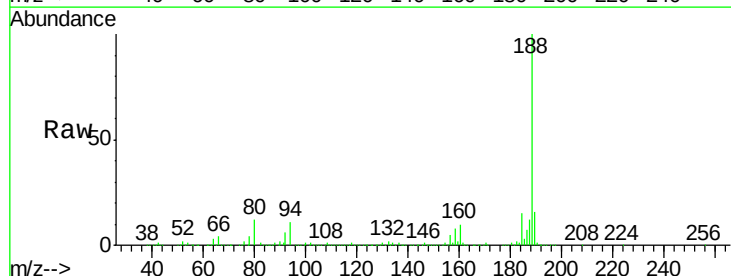
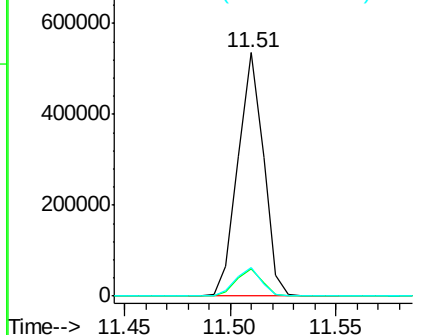
Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

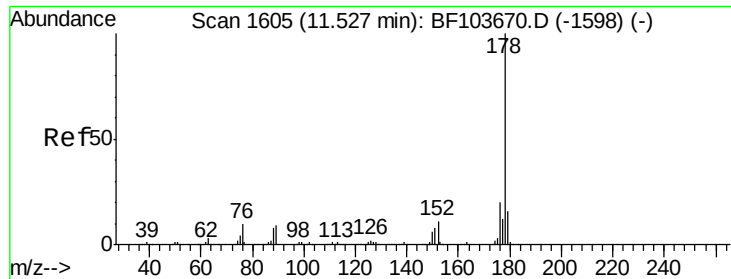


#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.51 min Scan# 1602
 Delta R.T. -0.00 min
 Lab File: BF103876.D
 Acq: 23 Mar 2018 13:27

Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	11.4	8.5	12.7	
80	11.9	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





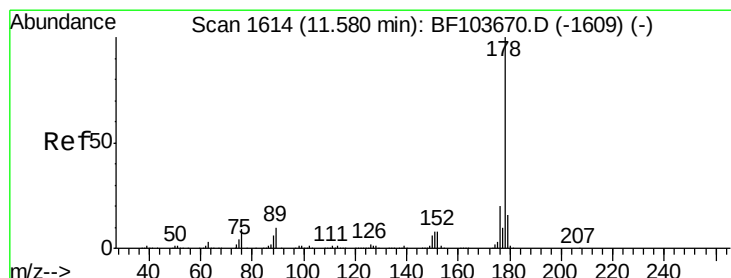
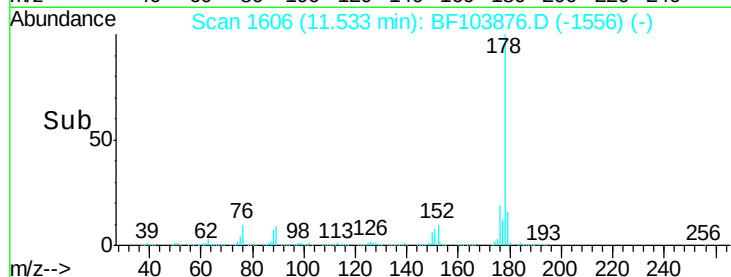
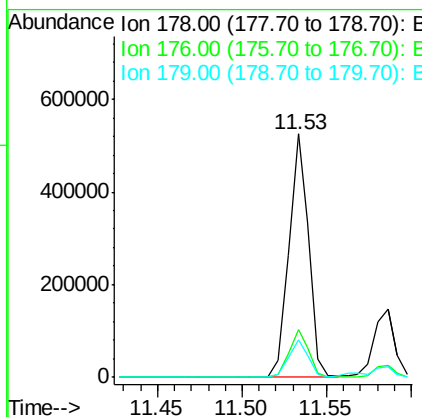
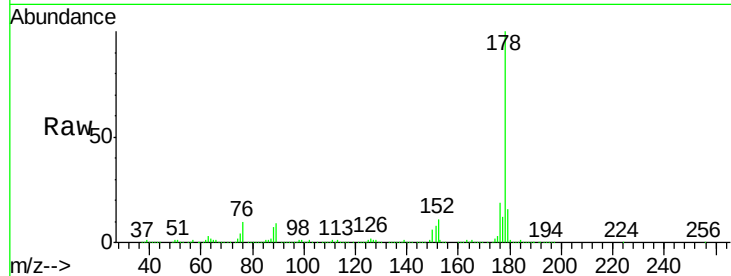
#70
Phenanthrene
Concen: 17.439 ng
RT: 11.53 min Scan# 1606
Delta R.T. -0.01 min
Lab File: BF103876.D
Acq: 23 Mar 2018 13:27

Instrument :
BNA_F
ClientSampleId :
TP-4-MH-B

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.8	23.8
179	15.7	13.0	19.6

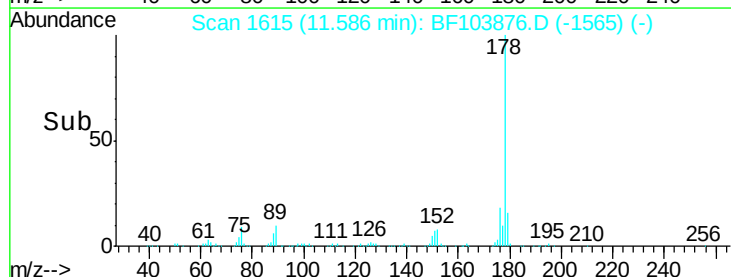
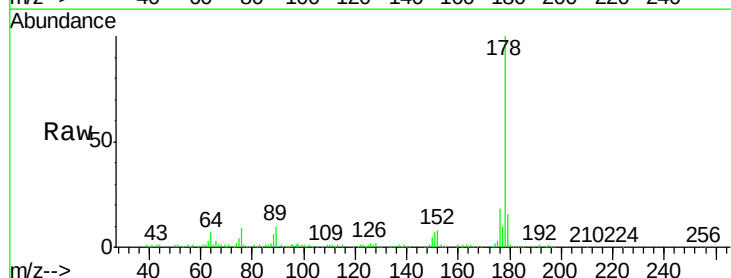
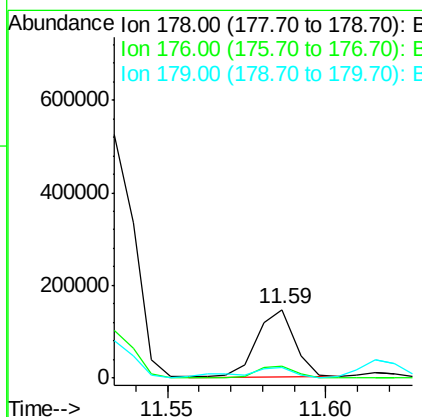
Manual Integrations
APPROVED

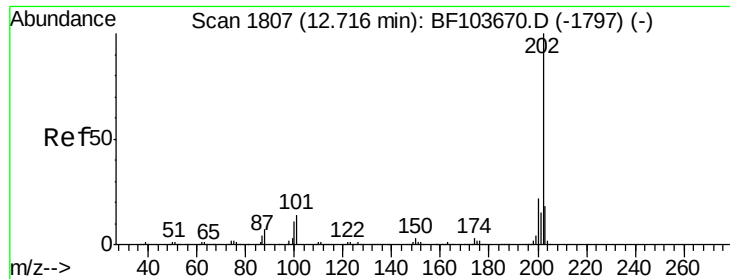
Sohil
3/26/2018 4:32:55 PM



#71
Anthracene
Concen: 4.826 ng
RT: 11.59 min Scan# 1615
Delta R.T. -0.01 min
Lab File: BF103876.D
Acq: 23 Mar 2018 13:27

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.2
179	15.8	12.6	19.0





#74

Fluoranthene

Concen: 19.746 ng

RT: 12.74 min Scan# 1811

Delta R.T. 0.01 min

Lab File: BF103876.D

Acq: 23 Mar 2018 13:27

Instrument :

BNA_F

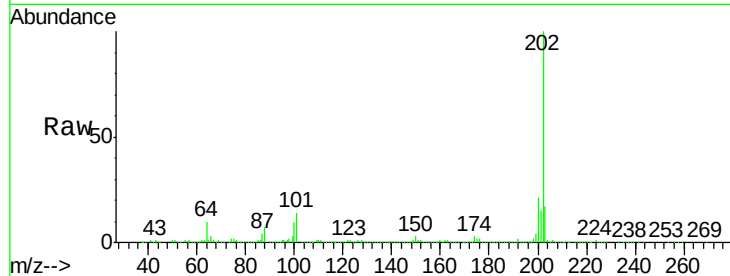
ClientSampleId :

TP-4-MH-B

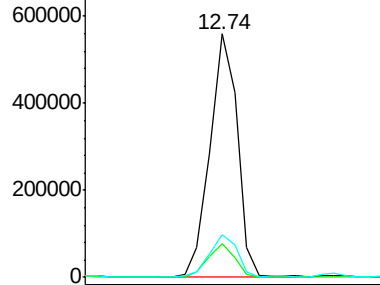
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	13.6	0.0	34.1
203	17.5	0.0	38.1

Manual Integrations
APPROVED

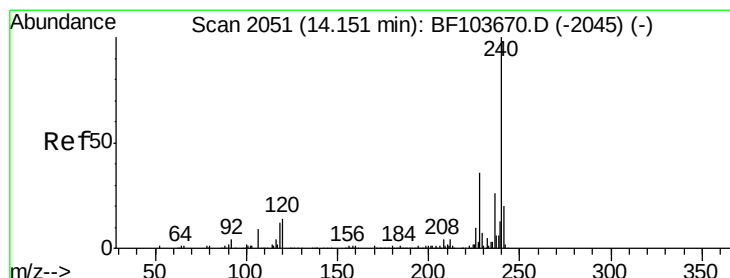
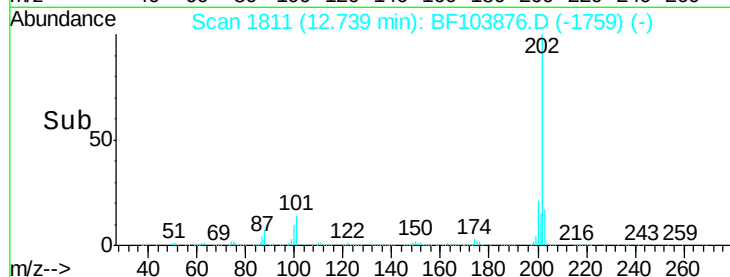
Sohil
3/26/2018 4:32:55 PM



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



Time-->



#75

Chrysene-d12

Concen: 20.000 ng

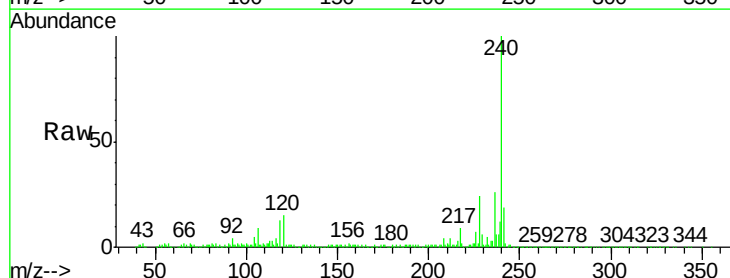
RT: 14.16 min Scan# 2053

Delta R.T. -0.01 min

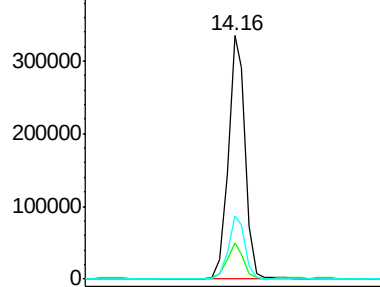
Lab File: BF103876.D

Acq: 23 Mar 2018 13:27

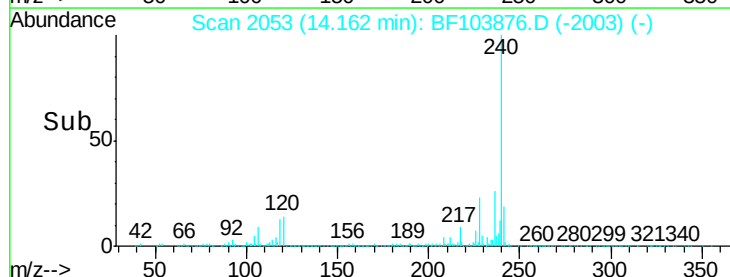
Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	14.8	9.5	14.3#
236	25.7	20.7	31.1

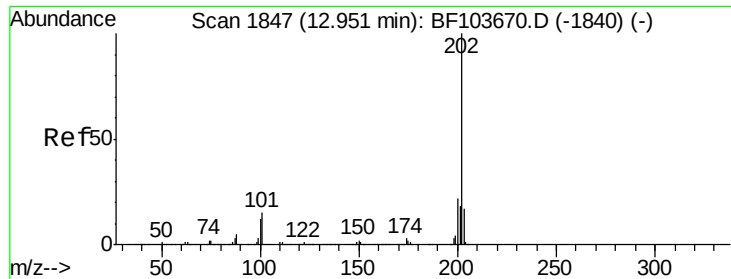


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



Time-->





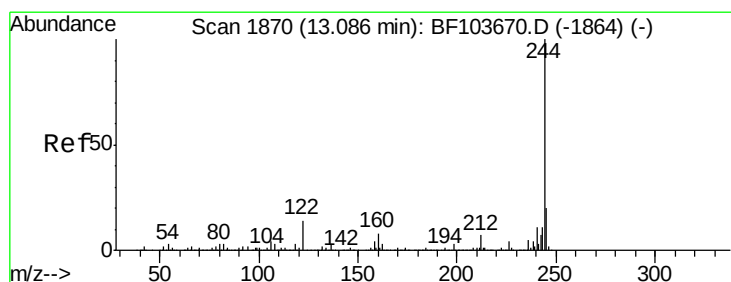
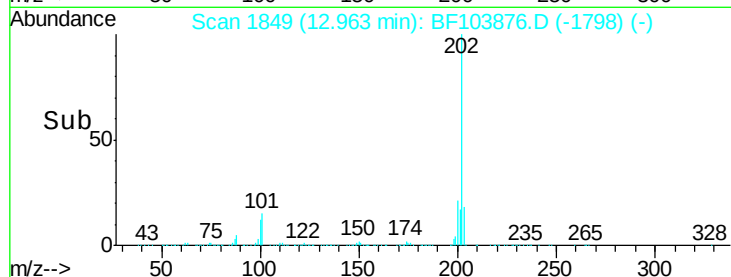
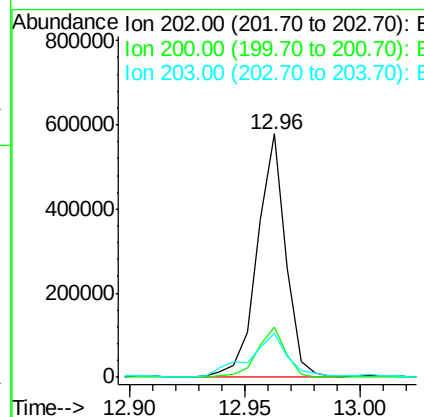
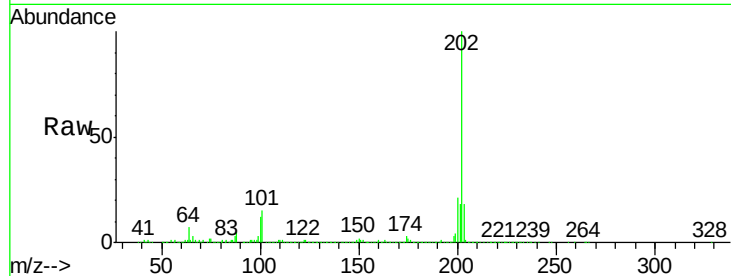
#77
Pvrene
Concen: 21.643 ng
RT: 12.96 min Scan# 1849
Delta R.T. -0.00 min
Lab File: BF103876.D
Acq: 23 Mar 2018 13:27

Instrument :
BNA_F
ClientSampleId :
TP-4-MH-B

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.8	17.4	26.2
203	18.0	14.3	21.5

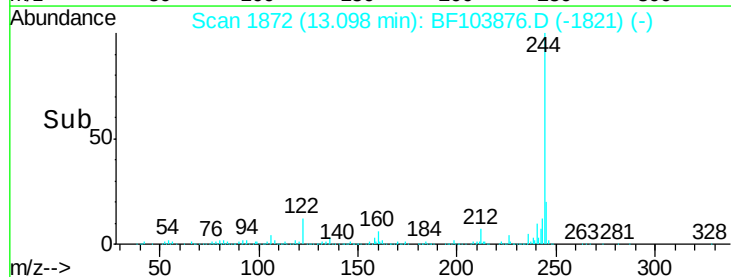
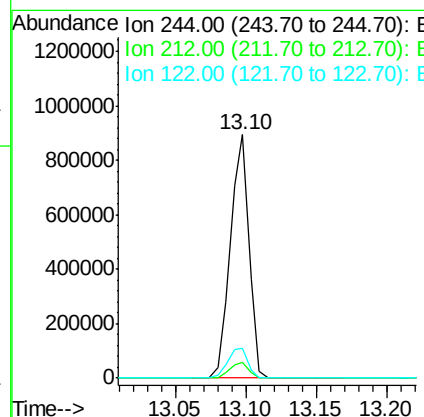
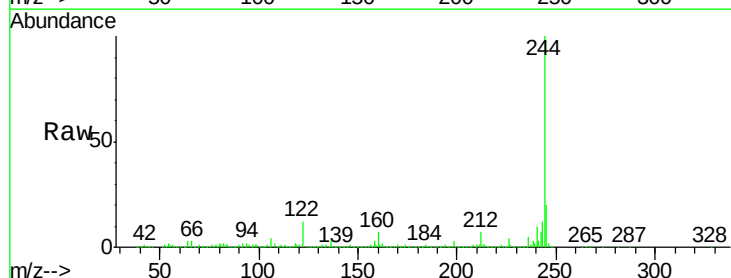
Manual Integrations
APPROVED

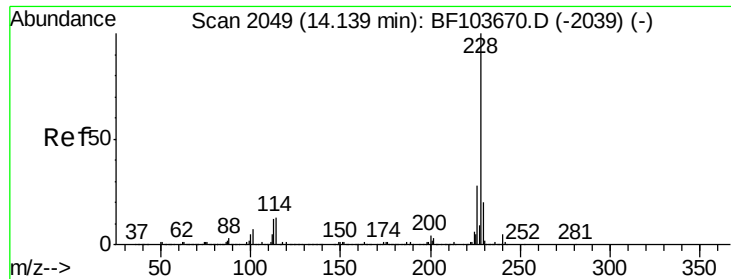
Sohil
3/26/2018 4:32:55 PM



#78
Terphenyl-d14
Concen: 60.933 ng
RT: 13.10 min Scan# 1872
Delta R.T. -0.00 min
Lab File: BF103876.D
Acq: 23 Mar 2018 13:27

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.6	5.4	8.0
122	12.4	11.0	16.4





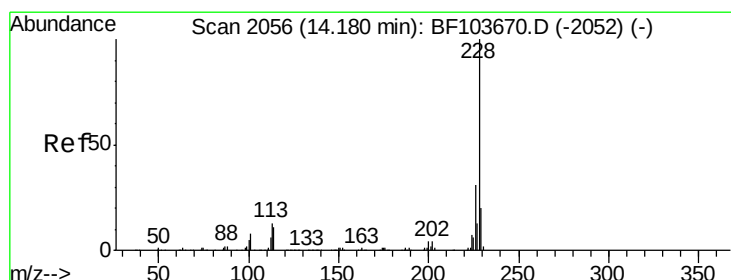
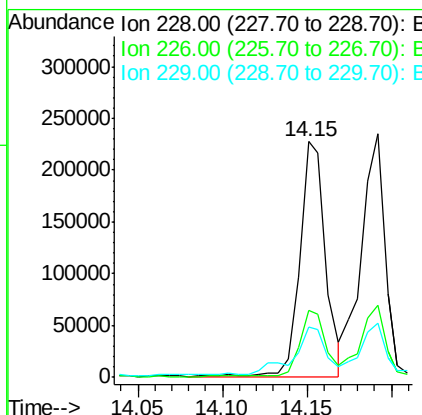
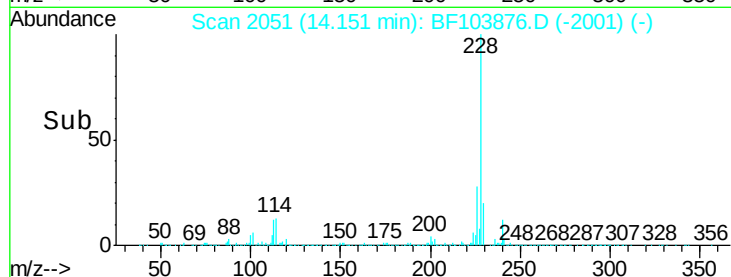
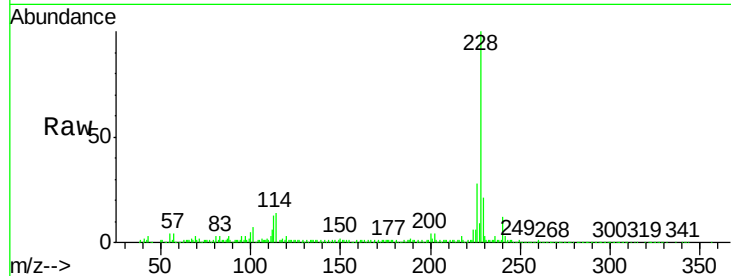
#80
Benzo(a)anthracene
Concen: 12.114 ng
RT: 14.15 min Scan# 2051
Delta R.T. -0.01 min
Lab File: BF103876.D
Acq: 23 Mar 2018 13:27

Instrument :
BNA_F
ClientSampleId :
TP-4-MH-B

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.6	33.8
229	21.3	15.8	23.6

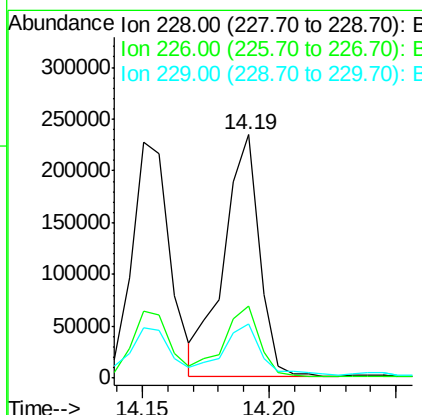
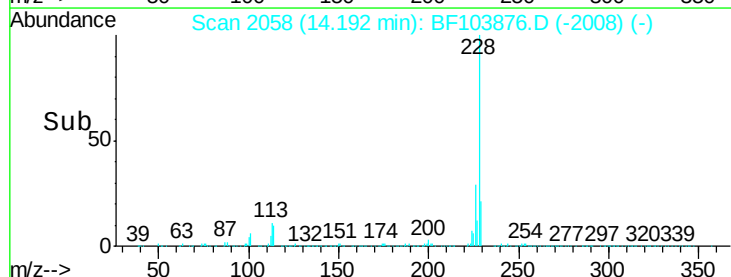
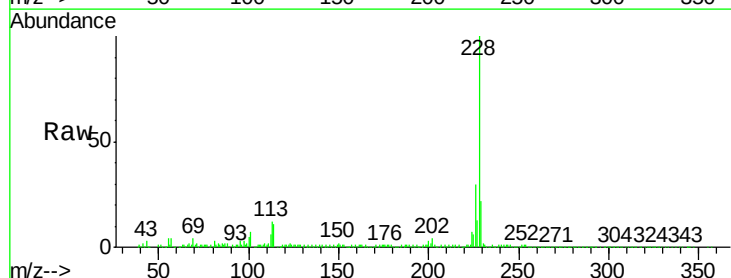
Manual Integrations
APPROVED

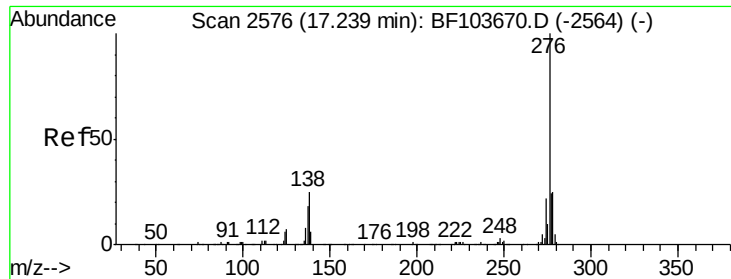
Sohil
3/26/2018 4:32:55 PM



#82
Chrysene
Concen: 12.161 ng
RT: 14.19 min Scan# 2058
Delta R.T. -0.01 min
Lab File: BF103876.D
Acq: 23 Mar 2018 13:27

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	25.0	37.6
229	22.1	16.2	24.4





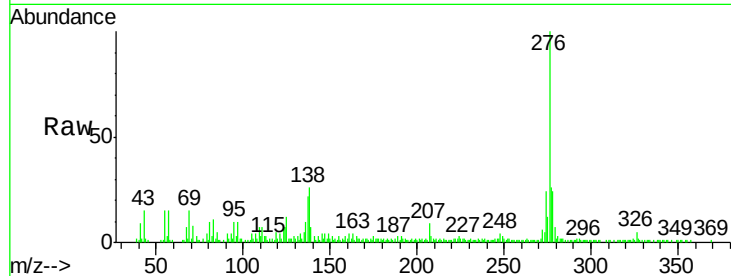
#85
Indeno(1,2,3-cd)pyrene
Concen: 5.346 ng
RT: 17.29 min Scan# 2584
Delta R.T. -0.01 min
Lab File: BF103876.D
Acq: 23 Mar 2018 13:27

Instrument :
BNA_F
ClientSampleId :
TP-4-MH-B

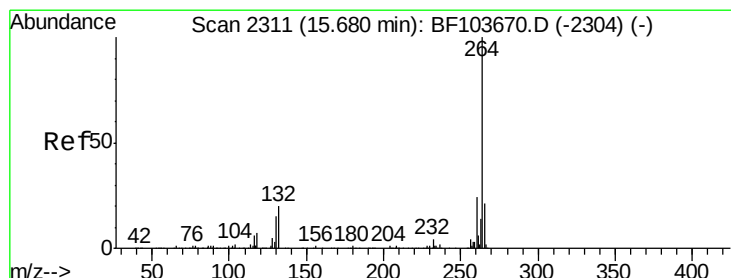
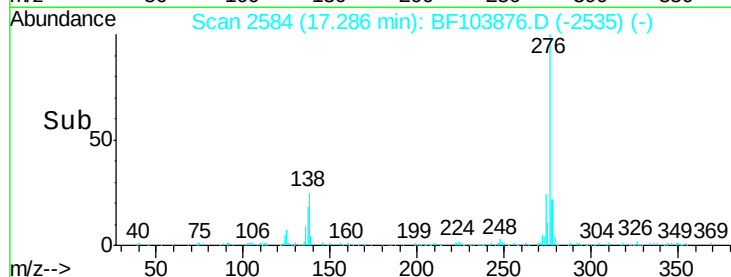
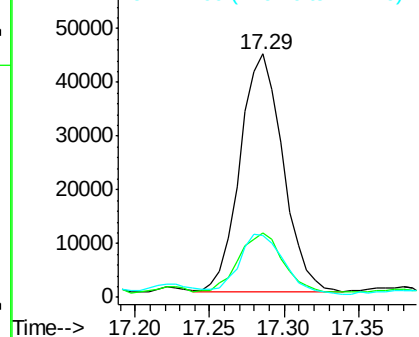
Tot Ion	Ratio	Lower	Upper
276	100		
138	25.9	25.0	37.6
277	26.9	20.1	30.1

Manual Integrations
APPROVED

Sohil
3/26/2018 4:32:55 PM

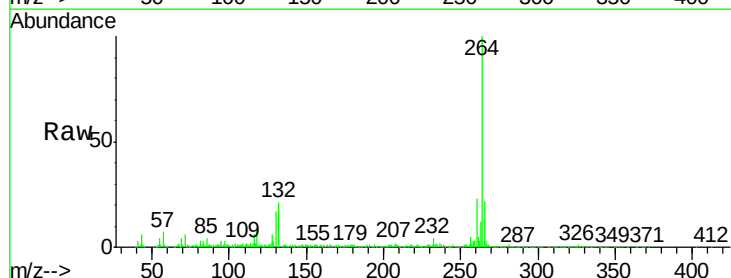


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

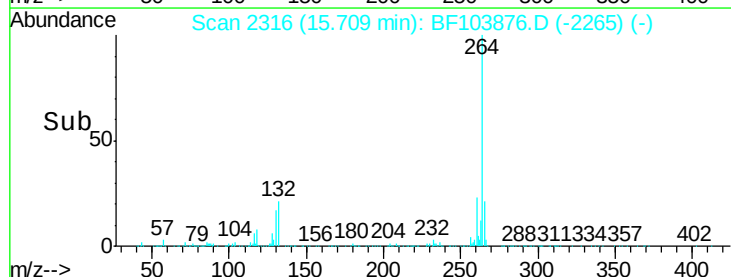
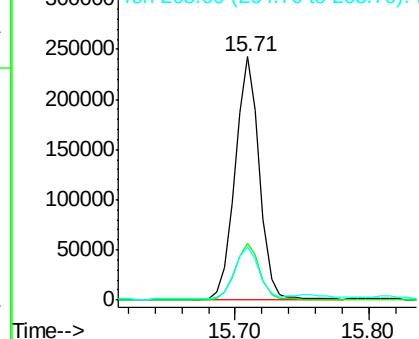


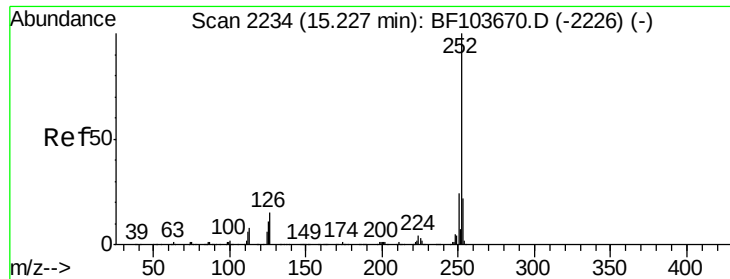
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.71 min Scan# 2316
Delta R.T. -0.00 min
Lab File: BF103876.D
Acq: 23 Mar 2018 13:27

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	21.8	17.5	26.3



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





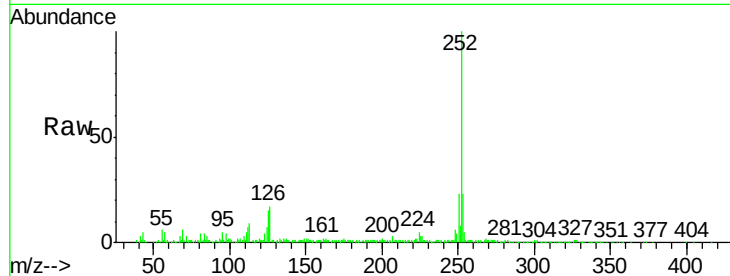
#87
Benzo(b)fluoranthene
Concen: 13.423 ng m
RT: 15.25 min Scan# 2238
Delta R.T. -0.00 min
Lab File: BF103876.D
Acq: 23 Mar 2018 13:27

Instrument :
BNA_F
ClientSampled :
TP-4-MH-B

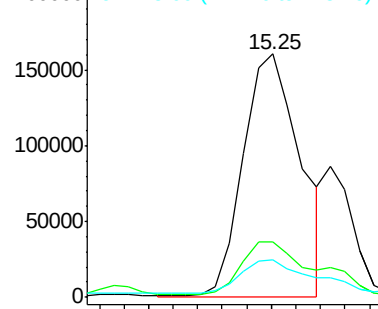
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.0	25.6
125	15.5	9.0	13.6

Manual Integrations
APPROVED

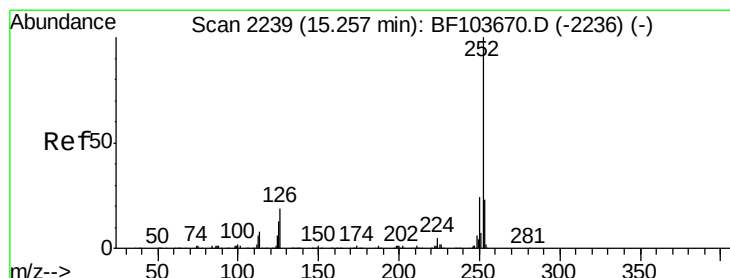
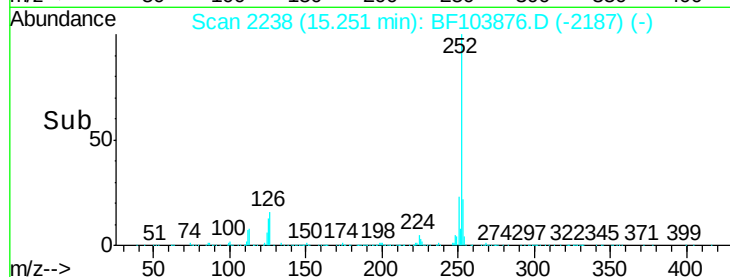
Sohil
3/26/2018 4:32:55 PM



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

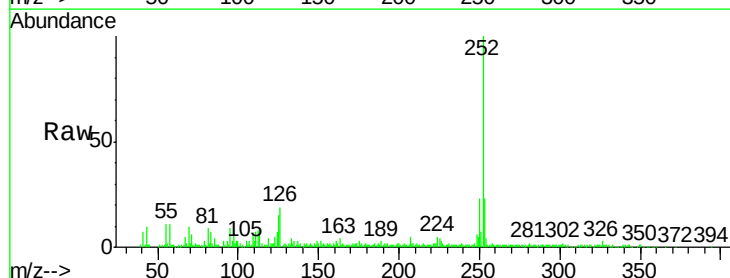


Time-->

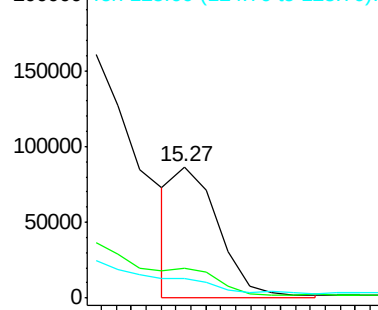


#88
Benzo(k)fluoranthene
Concen: 3.858 ng m
RT: 15.27 min Scan# 2242
Delta R.T. -0.01 min
Lab File: BF103876.D
Acq: 23 Mar 2018 13:27

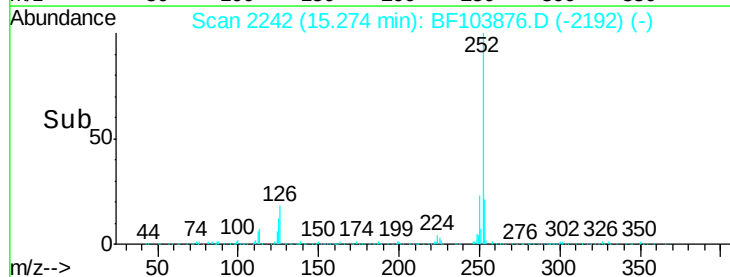
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.9	26.9
125	15.0	10.2	15.2

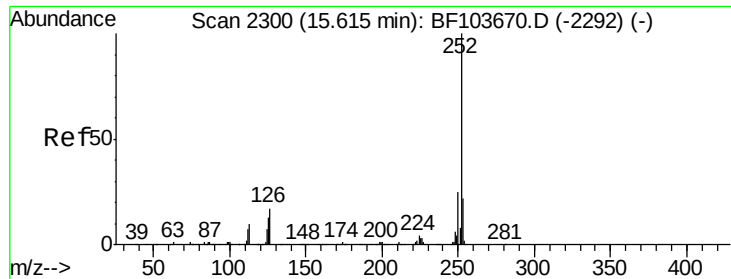


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



Time-->





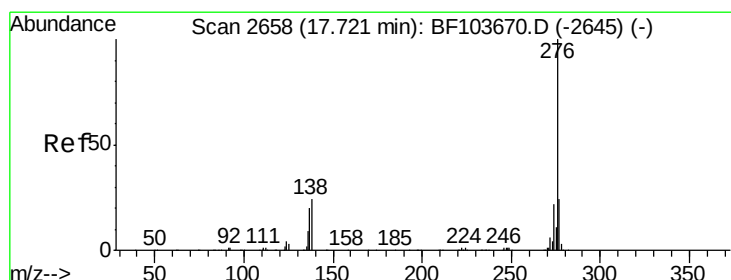
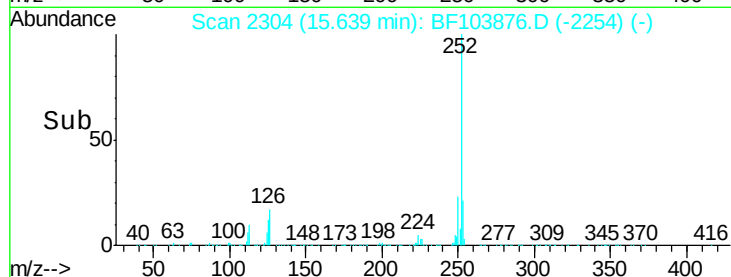
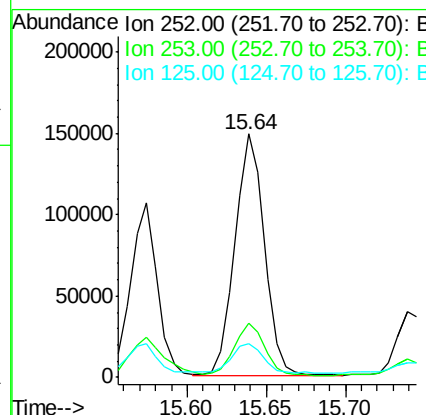
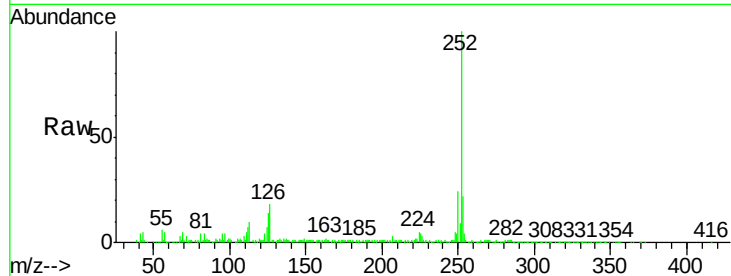
#89
Benzo(a)pyrene
Concen: 10.917 ng
RT: 15.64 min Scan# 2304
Delta R.T. -0.01 min
Lab File: BF103876.D
Acq: 23 Mar 2018 13:27

Instrument :
BNA_F
ClientSampleId :
TP-4-MH-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.1	25.7
125	14.1	9.8	14.6

Manual Integrations
APPROVED

Sohil
3/26/2018 4:32:55 PM



#91
Benzo(g,h,i)perylene
Concen: 5.674 ng
RT: 17.77 min Scan# 2666
Delta R.T. -0.01 min
Lab File: BF103876.D
Acq: 23 Mar 2018 13:27

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.8	17.9	26.9
138	27.3	21.8	32.8

