

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012918\
 Data File : BF102610.D
 Acq On : 29 Jan 2018 21:16
 Operator : SJ/JU
 Sample : J1353-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EPE-106-5(0-5)

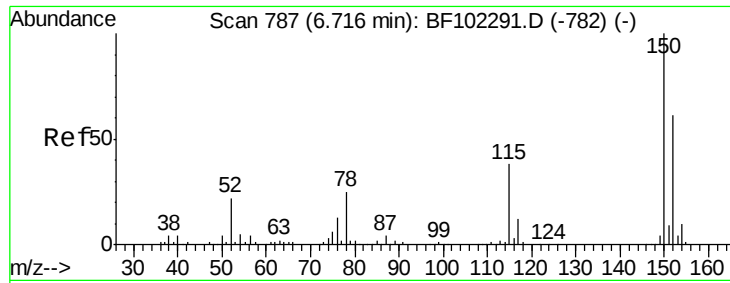
Manual Integrations
 APPROVED

Sohil
 1/30/2018 3:38:18 PM

Quant Time: Jan 30 02:27:37 2018
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 27 20:48:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	172433	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	733827	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	320504	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	544871	20.00	ng	0.00
75) Chrysene-d12	13.88	240	328697	20.00	ng	0.00
86) Perylene-d12	15.32	264	316818	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	1136074	99.90	ng	0.00
7) Phenol-d6	6.36	99	1412032	102.99	ng	0.00
23) Nitrobenzene-d5	7.28	82	896948	70.24	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	264916	83.42	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1172388	53.78	ng	0.00
78) Terphenyl-d14	12.82	244	972826	66.72	ng	0.00
Target Compounds						
48) Acenaphthylene	9.61	152	233837	6.738	ng	100
49) Dimethylphthalate	9.47	163	161924	6.112	ng	98
70) Phenanthrene	11.26	178	789870	24.877	ng	99
71) Anthracene	11.31	178	193574	5.973	ng	99
72) Carbazole	11.47	167	99900	3.160	ng	99
74) Fluoranthene	12.45	202	1301171	40.187	ng	99
77) Pyrene	12.68	202	1215088	47.812	ng	100
80) Benzo(a)anthracene	13.87	228	602444	29.770	ng	93
82) Chrysene	13.90	228	559865	27.244	ng	99
83) Bis(2-ethylhexyl)phthalate	13.84	149	48907	2.877	ng	99
85) Indeno(1,2,3-cd)pyrene	16.72	276	358155	21.103	ng	96
87) Benzo(b)fluoranthene	14.90	252	673204m	32.784	ng	
88) Benzo(k)fluoranthene	14.93	252	218186m	11.246	ng	
89) Benzo(a)pyrene	15.26	252	485599	26.220	ng	95
90) Dibenzo(a,h)anthracene	16.72	278	98062m	6.537	ng	
91) Benzo(g,h,i)perylene	17.15	276	374692	25.295	ng	97

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



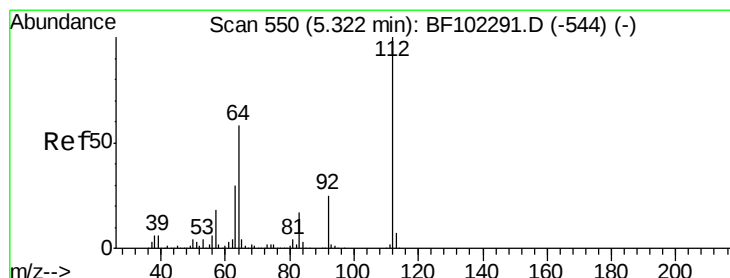
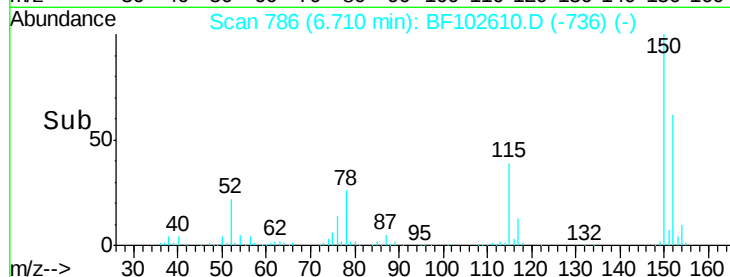
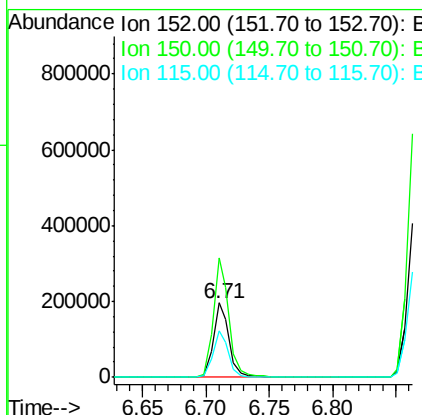
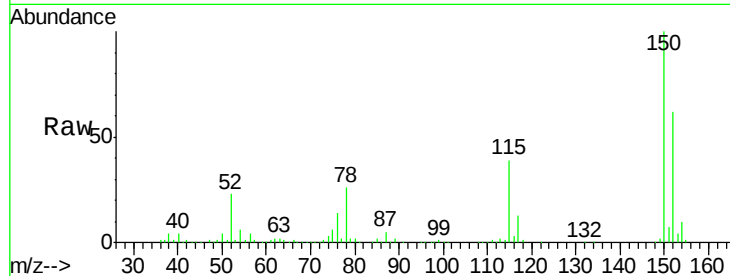
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.71 min Scan# 786
 Delta R.T. -0.01 min
 Lab File: BF102610.D
 Acq: 29 Jan 2018 21:16

Instrument :
 BNA_F
 ClientSampleId :
 EPE-106-5(0-5)

Tgt Ion	Ratio	Lower	Upper
152	100		
150	160.4	124.6	186.8
115	62.5	50.1	75.1

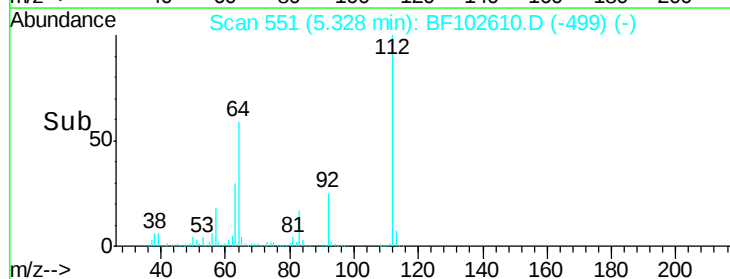
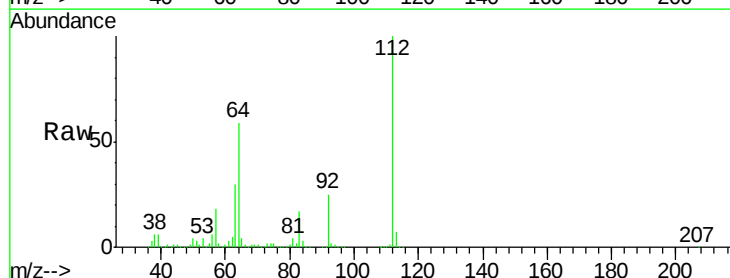
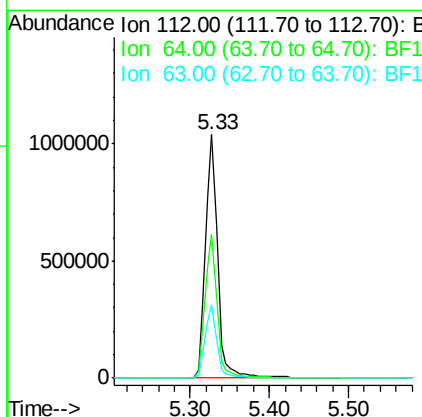
Manual Integrations
 APPROVED

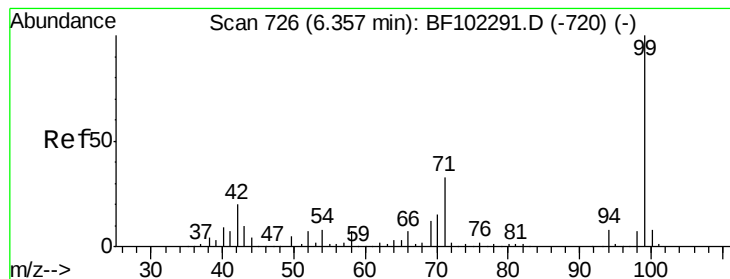
Sohil
 1/30/2018 3:38:18 PM



#5
 2-Fluorophenol
 Concen: 99.899 ng
 RT: 5.33 min Scan# 551
 Delta R.T. 0.01 min
 Lab File: BF102610.D
 Acq: 29 Jan 2018 21:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.3	47.9	71.9
63	30.0	23.7	35.5





#7

Phenol-d6

Concen: 102.991 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.00 min

Lab File: BF102610.D

Acq: 29 Jan 2018 21:16

Instrument :

BNA_F

ClientSampleId :

EPE-106-5(0-5)

Tgt Ion: 99 Resp: 1412032

Ion Ratio Lower Upper

99 100

42 19.5 14.5 21.7

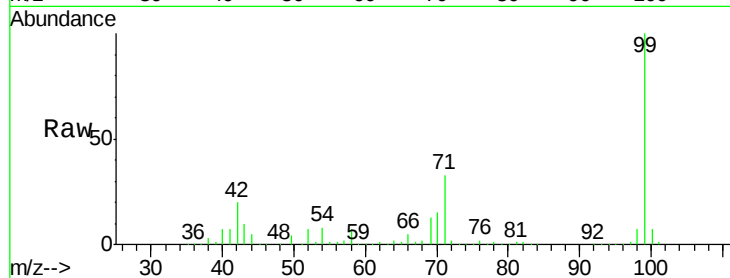
71 32.9 25.4 38.0

Manual Integrations

APPROVED

Sohil

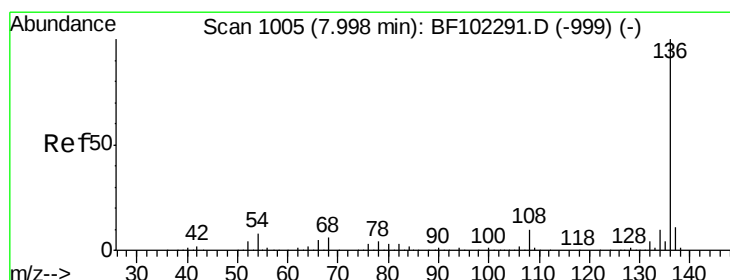
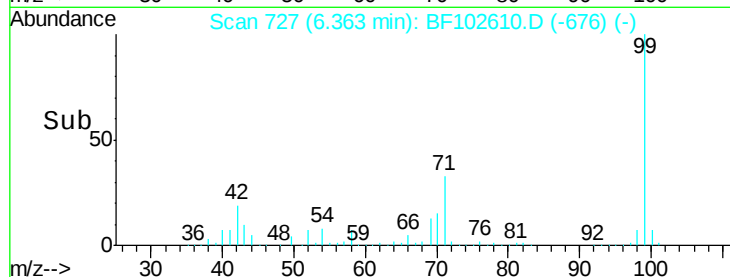
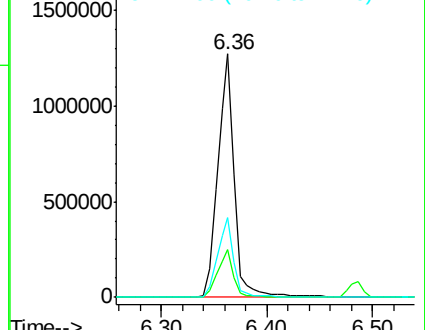
1/30/2018 3:38:18 PM



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: 8.00 min Scan# 1005

Delta R.T. -0.00 min

Lab File: BF102610.D

Acq: 29 Jan 2018 21:16

Tgt Ion: 136 Resp: 733827

Ion Ratio Lower Upper

136 100

137 10.6 8.9 13.3

54 7.5 6.6 9.8

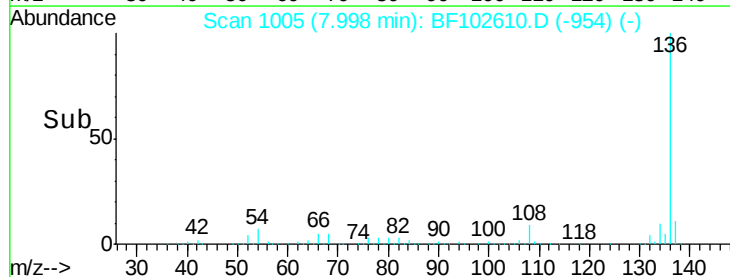
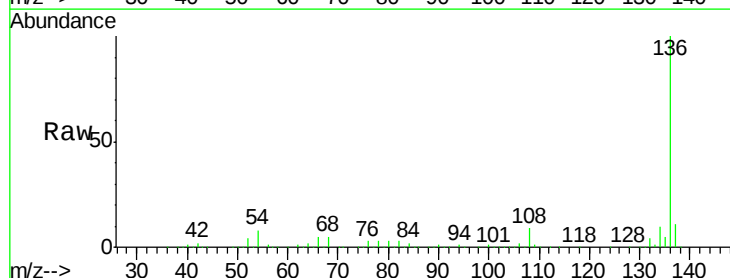
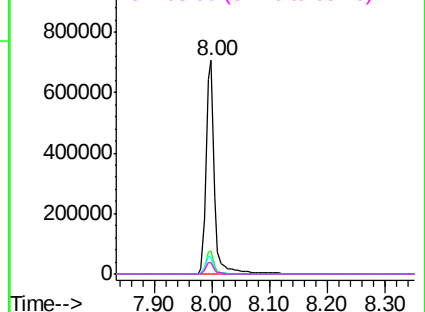
68 5.3 5.0 7.4

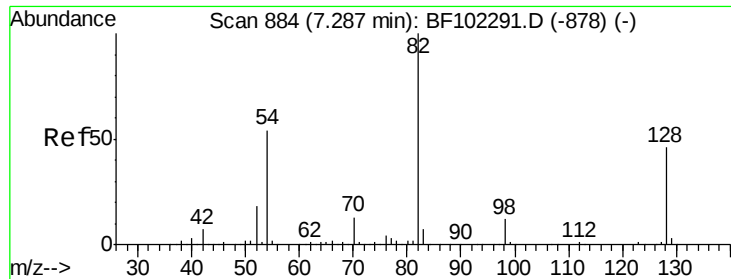
Abundance Ion 136.00 (135.70 to 136.70): E

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





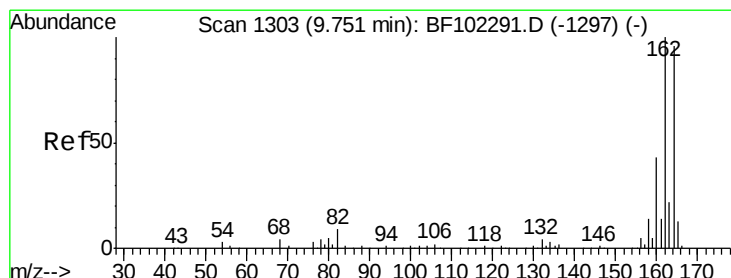
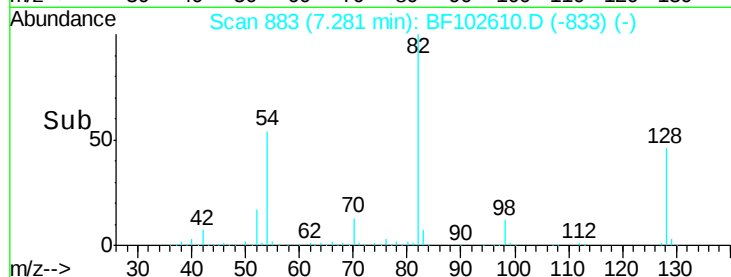
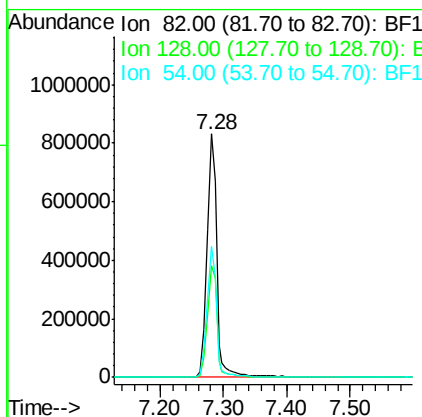
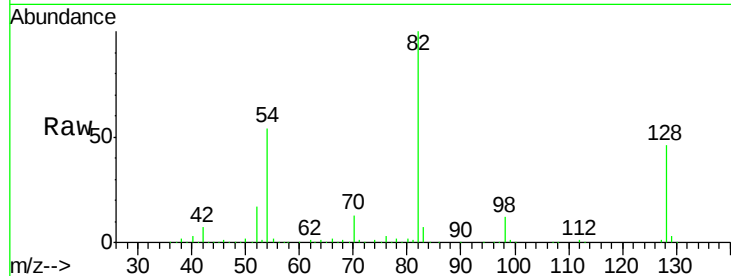
#23
Nitrobenzene-d5
Concen: 70.241 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF102610.D
Acq: 29 Jan 2018 21:16

Instrument :
BNA_F
ClientSampleId :
EPE-106-5(0-5)

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	896948		
128	46.1	36.1	54.1	
54	53.6	41.4	62.2	

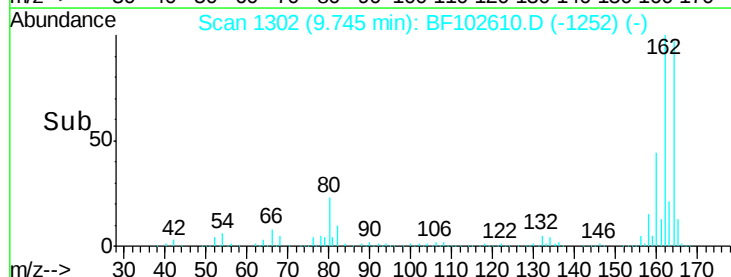
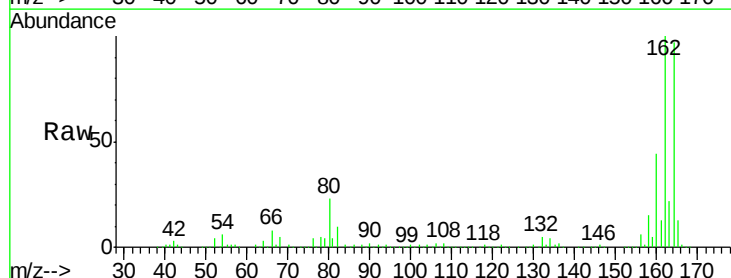
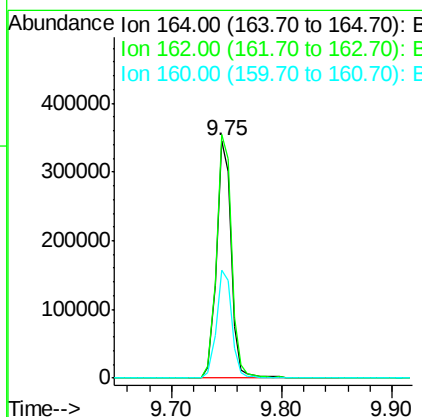
Manual Integrations
APPROVED

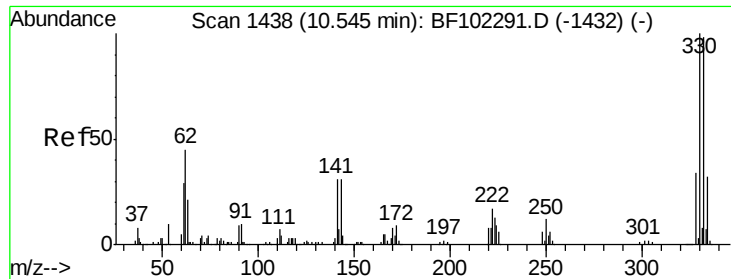
Sohil
1/30/2018 3:38:18 PM



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BF102610.D
Acq: 29 Jan 2018 21:16

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	320504		
162	102.7	86.1	129.1	
160	45.5	38.3	57.5	





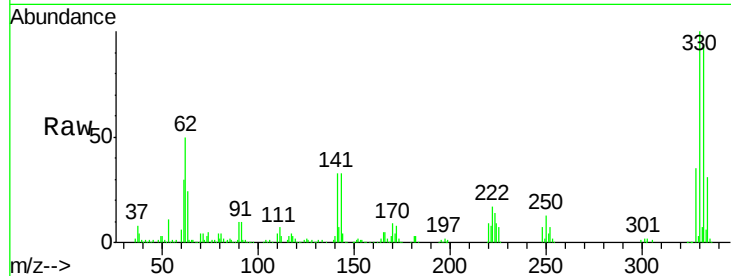
#41
 2,4,6-Tribromophenol
 Concen: 83.419 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.00 min
 Lab File: BF102610.D
 Acq: 29 Jan 2018 21:16

Instrument :
 BNA_F
 ClientSampleId :
 EPE-106-5(0-5)

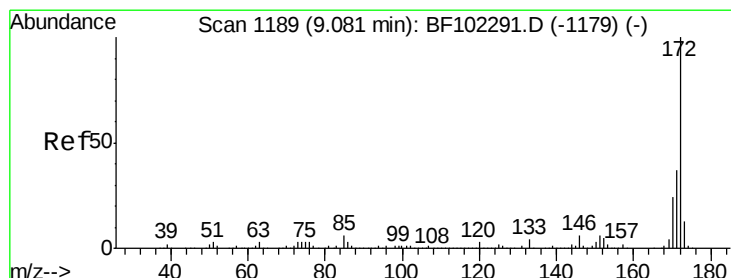
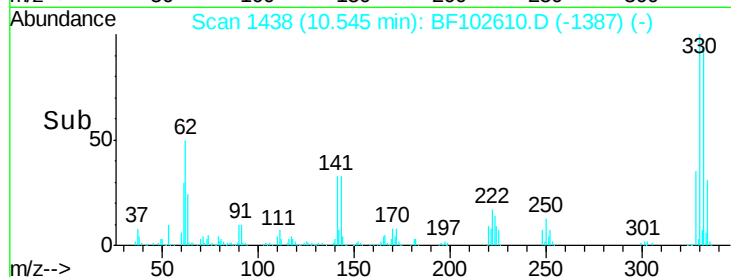
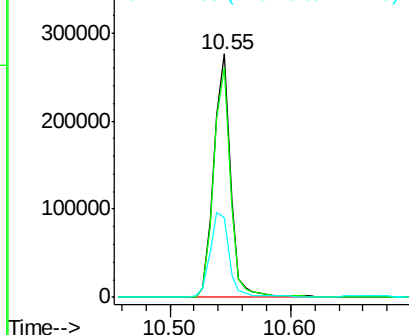
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	264916		
332	95.8	77.0	115.6	
141	40.2	29.9	44.9	

Manual Integrations
 APPROVED

Sohil
 1/30/2018 3:38:18 PM



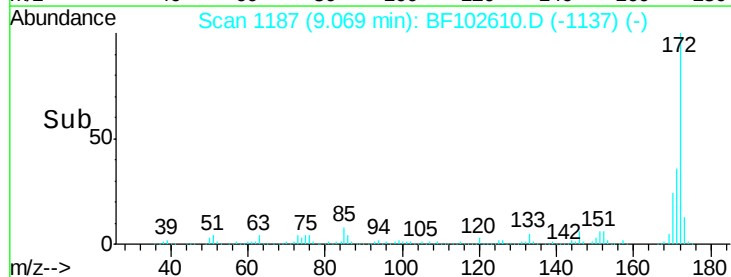
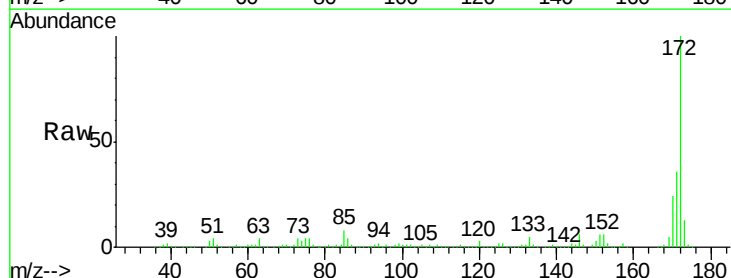
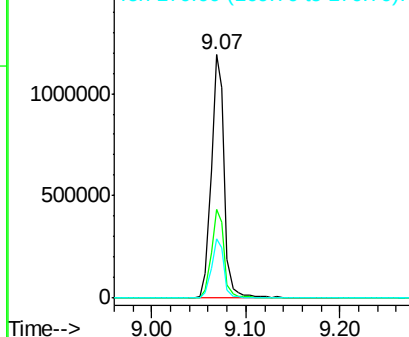
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

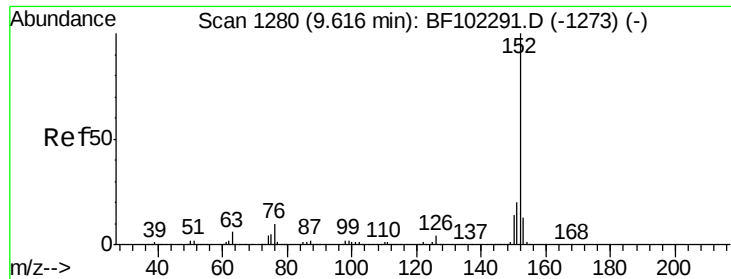


#44
 2-Fluorobiphenyl
 Concen: 53.785 ng
 RT: 9.07 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF102610.D
 Acq: 29 Jan 2018 21:16

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1172388		
171	36.5	29.7	44.5	
170	24.2	19.6	29.4	

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





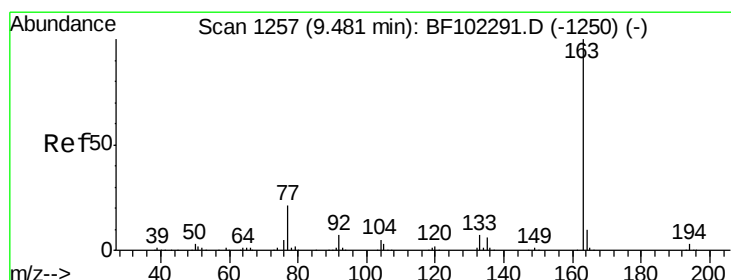
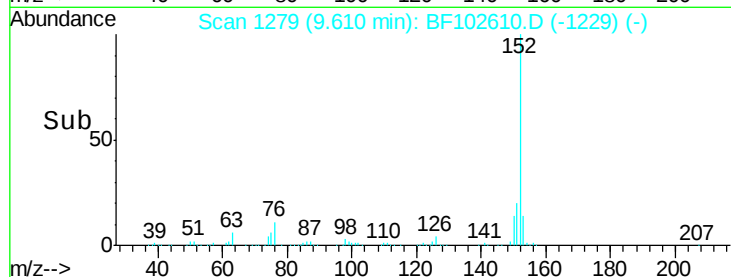
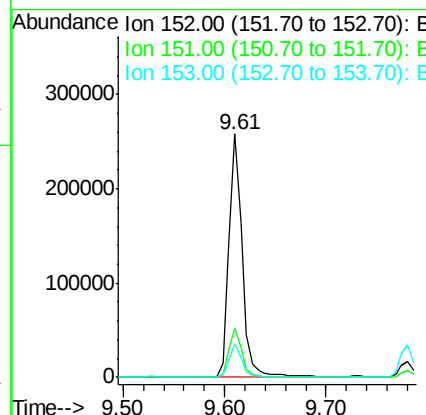
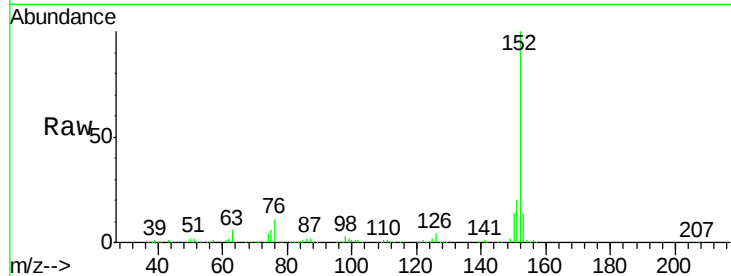
#48
Acenaphthylene
Concen: 6.738 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.01 min
Lab File: BF102610.D
Acq: 29 Jan 2018 21:16

Instrument :
BNA_F
ClientSampleId :
EPE-106-5(0-5)

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.3	24.5
153	13.7	10.7	16.1

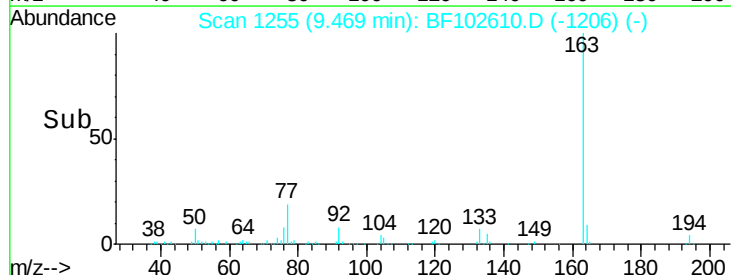
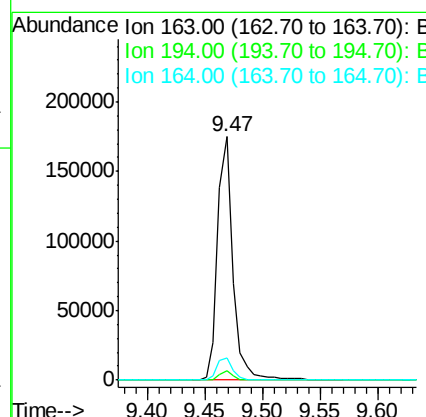
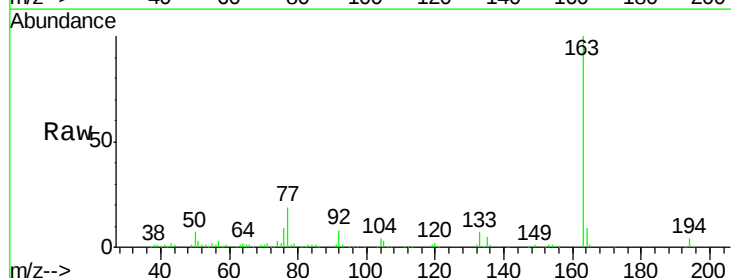
Manual Integrations
APPROVED

Sohil
1/30/2018 3:38:18 PM



#49
Dimethylphthalate
Concen: 6.112 ng
RT: 9.47 min Scan# 1255
Delta R.T. -0.01 min
Lab File: BF102610.D
Acq: 29 Jan 2018 21:16

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.7	4.1
164	9.1	8.2	12.2





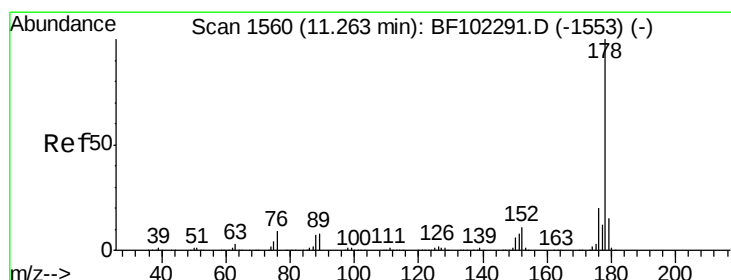
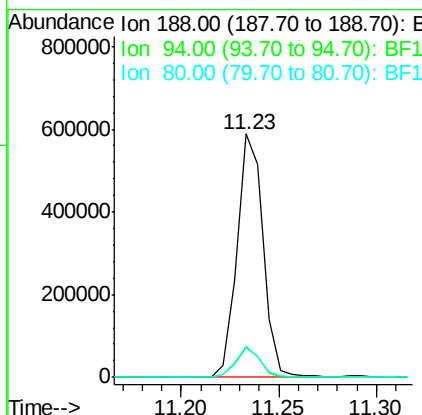
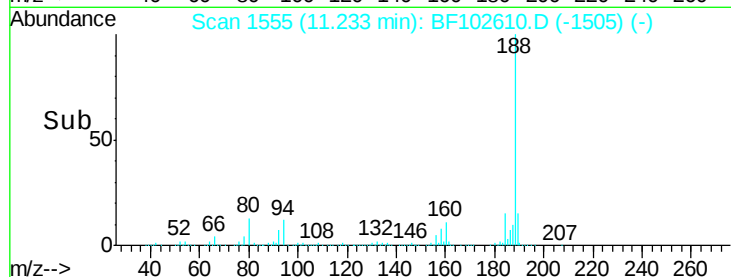
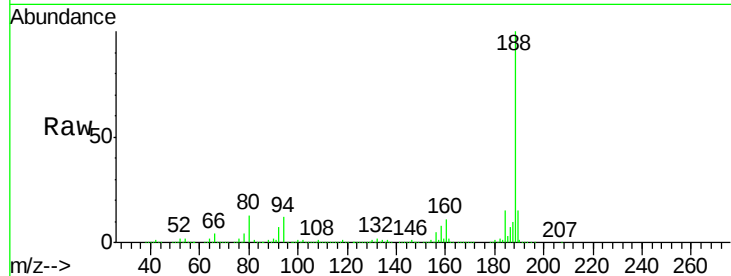
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF102610.D
Acq: 29 Jan 2018 21:16

Instrument :
BNA_F
ClientSampleId :
EPE-106-5(0-5)

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	12.2	8.5	12.7
80	12.7	9.2	13.8

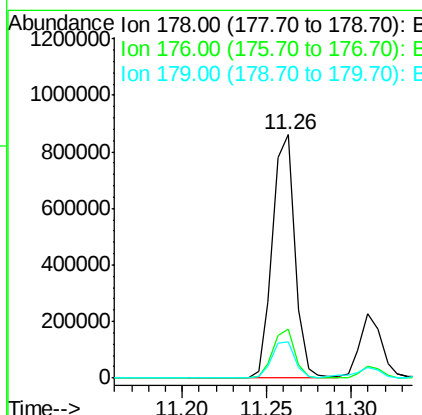
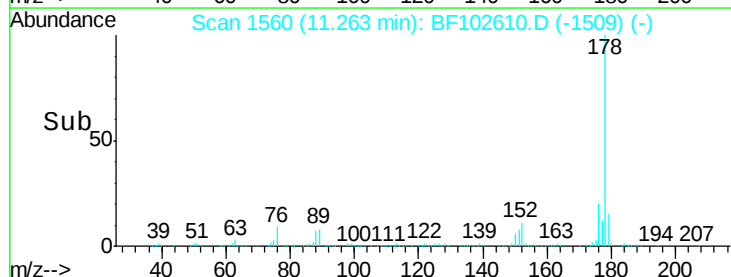
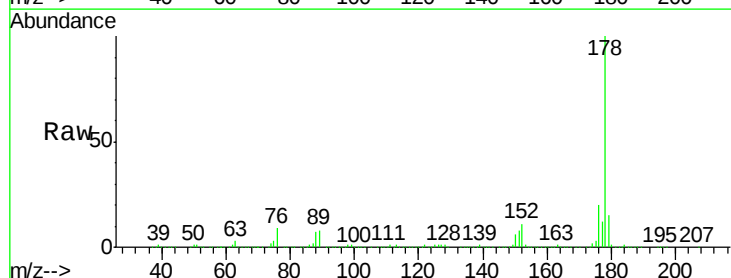
Manual Integrations
APPROVED

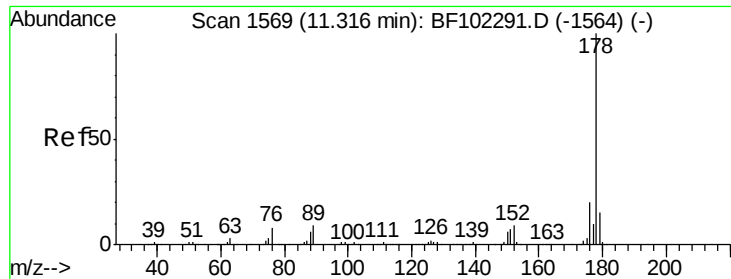
Sohil
1/30/2018 3:38:18 PM



#70
Phenanthrene
Concen: 24.877 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BF102610.D
Acq: 29 Jan 2018 21:16

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.9	15.8	23.8
179	15.1	13.0	19.6





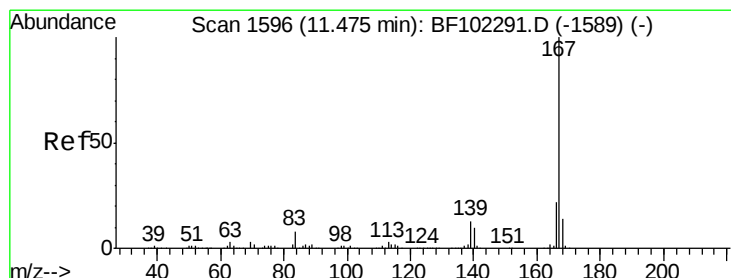
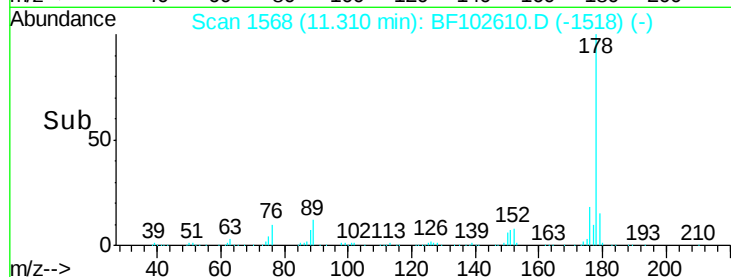
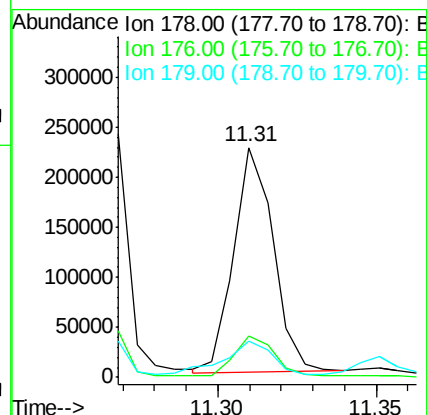
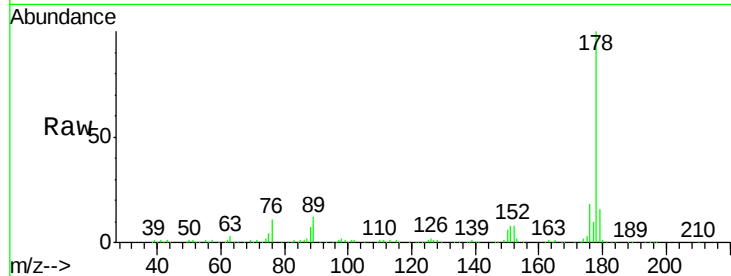
#71
 Anthracene
 Concen: 5.973 ng
 RT: 11.31 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: BF102610.D
 Acq: 29 Jan 2018 21:16

Instrument :
 BNA_F
 ClientSampleId :
 EPE-106-5(0-5)

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.4	23.2
179	15.8	12.6	19.0

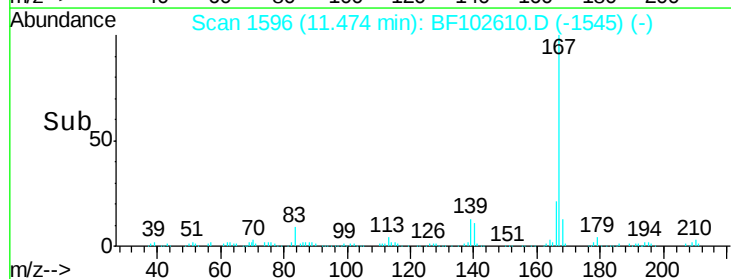
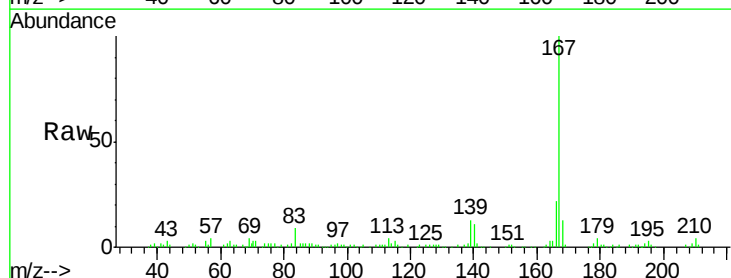
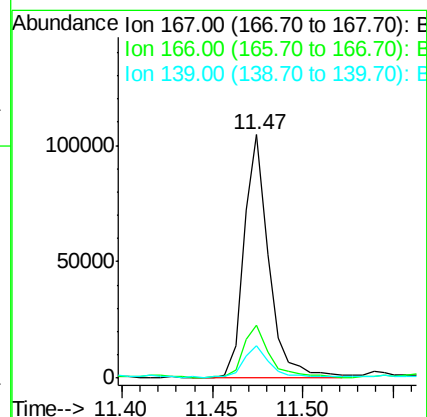
Manual Integrations
 APPROVED

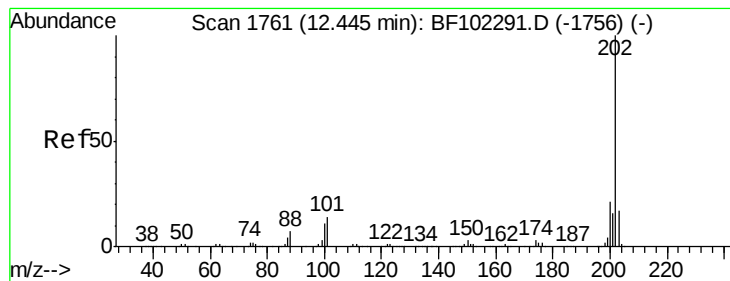
Sohil
 1/30/2018 3:38:18 PM



#72
 Carbazole
 Concen: 3.160 ng
 RT: 11.47 min Scan# 1596
 Delta R.T. -0.00 min
 Lab File: BF102610.D
 Acq: 29 Jan 2018 21:16

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.6	26.4
139	13.2	10.9	16.3





#74

Fluoranthene

Concen: 40.187 ng

RT: 12.45 min Scan# 1762

Delta R.T. -0.00 min

Lab File: BF102610.D

Acq: 29 Jan 2018 21:16

Instrument :

BNA_F

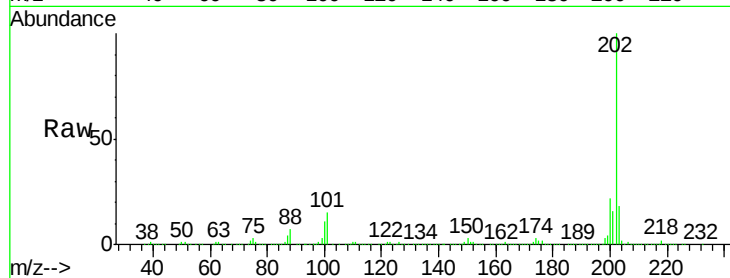
ClientSampleId :

EPE-106-5(0-5)

Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.1	0.0	34.1
203	18.0	0.0	38.1

Manual Integrations
APPROVED

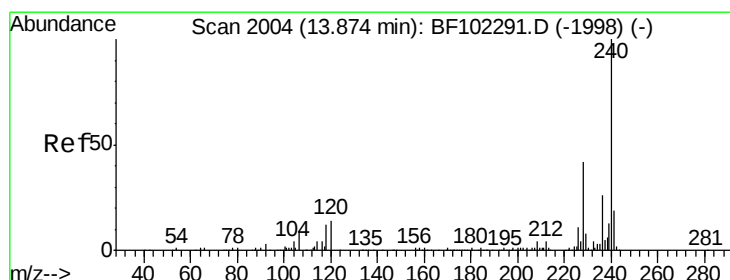
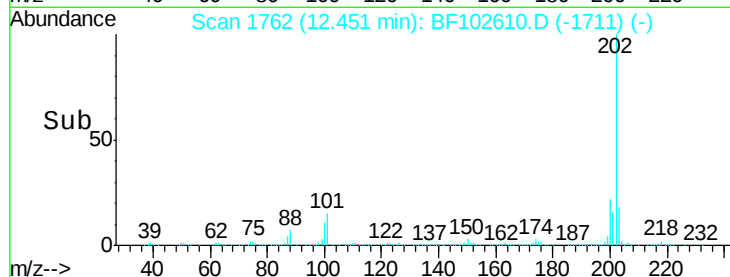
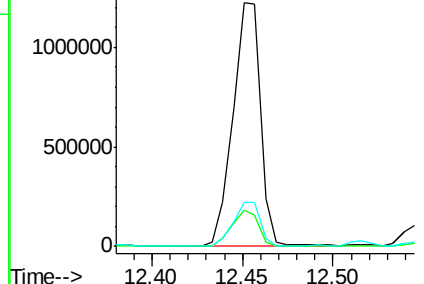
Sohil
1/30/2018 3:38:18 PM



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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.88 min Scan# 2005

Delta R.T. -0.00 min

Lab File: BF102610.D

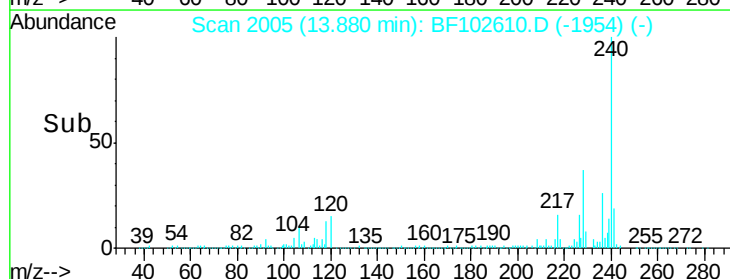
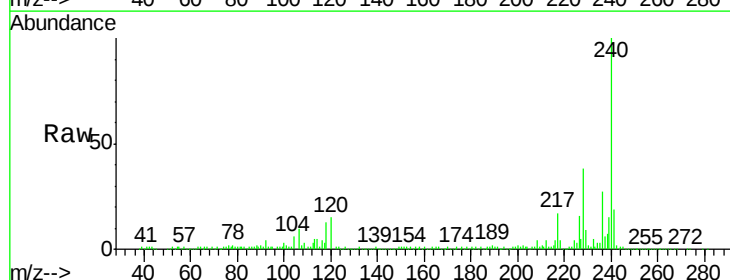
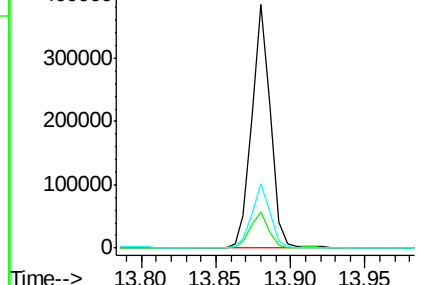
Acq: 29 Jan 2018 21:16

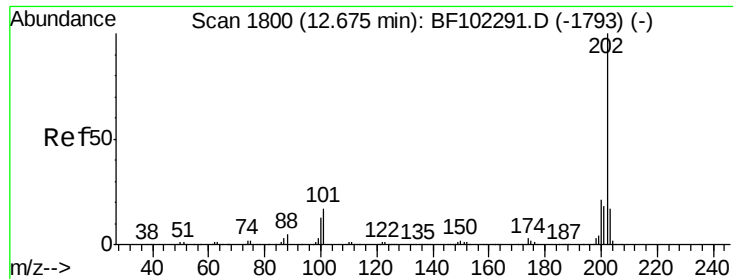
Tgt Ion	Ratio	Lower	Upper
240	100		
120	14.8	9.5	14.3#
236	26.5	20.7	31.1

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: 47.812 ng

RT: 12.68 min Scan# 1801

Delta R.T. -0.00 min

Lab File: BF102610.D

Acq: 29 Jan 2018 21:16

Instrument :

BNA_F

ClientSampleId :

EPE-106-5(0-5)

Tgt Ion:202 Resp: 1215088

Ion Ratio Lower Upper

202 100

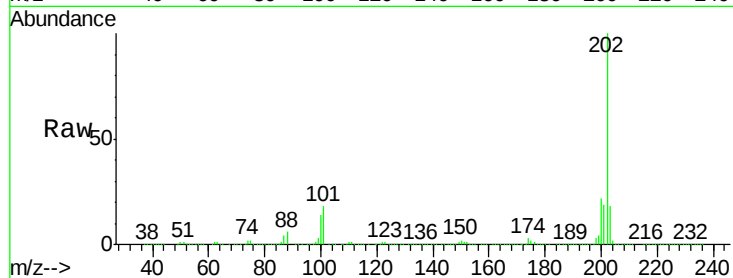
200 21.5 17.4 26.2

203 17.7 14.3 21.5

Manual Integrations
APPROVED

Sohil

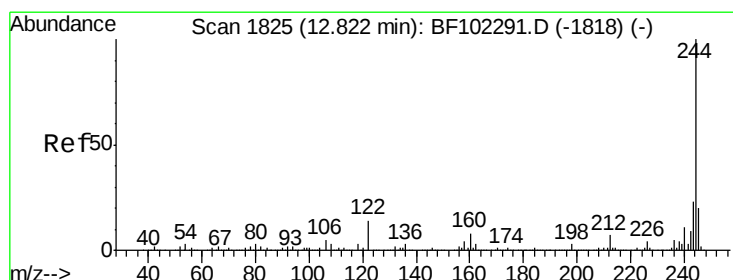
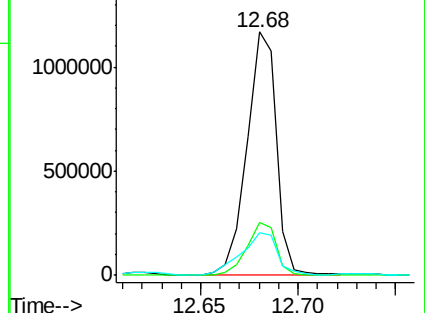
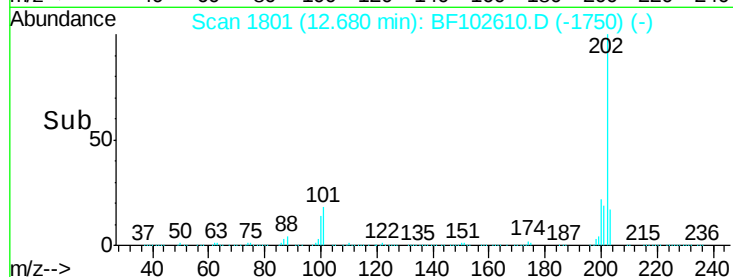
1/30/2018 3:38:18 PM



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 66.721 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.00 min

Lab File: BF102610.D

Acq: 29 Jan 2018 21:16

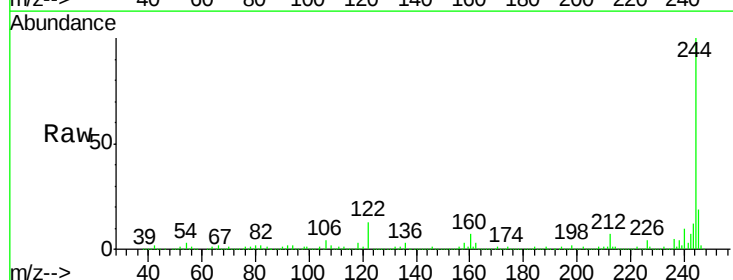
Tgt Ion:244 Resp: 972826

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

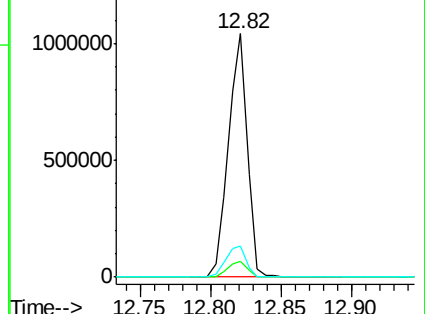
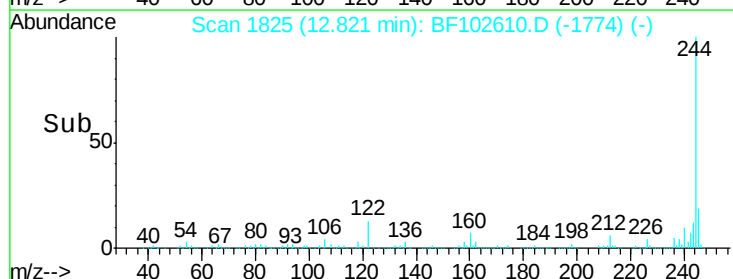
122 13.0 11.0 16.4

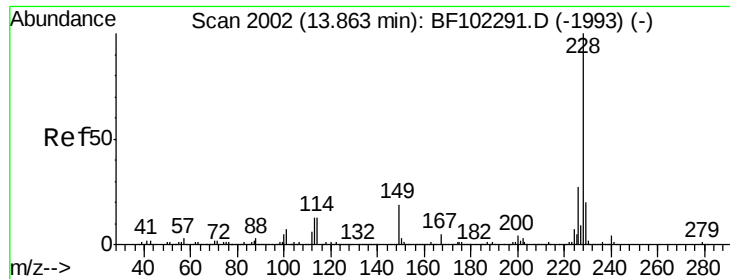


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





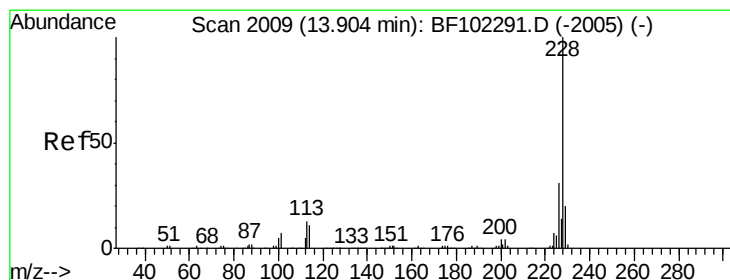
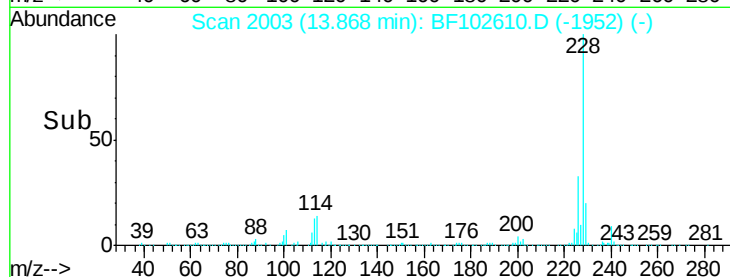
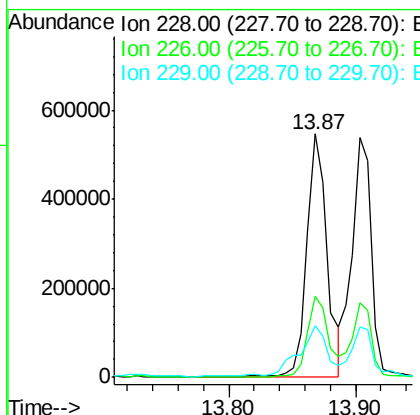
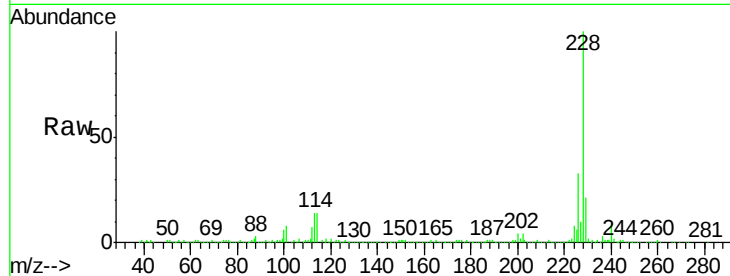
#80
Benzo(a)anthracene
Concen: 29.770 ng
RT: 13.87 min Scan# 2003
Delta R.T. -0.00 min
Lab File: BF102610.D
Acq: 29 Jan 2018 21:16

Instrument :
BNA_F
ClientSampleId :
EPE-106-5(0-5)

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.2	22.6	33.8
229	21.2	15.8	23.6

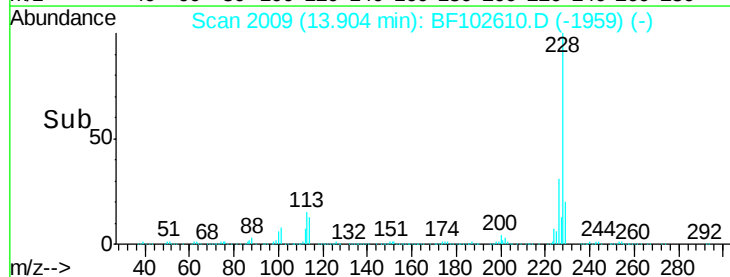
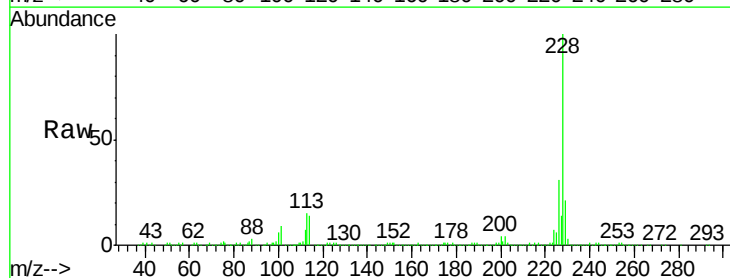
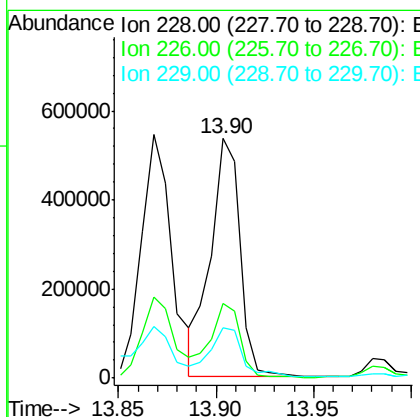
Manual Integrations
APPROVED

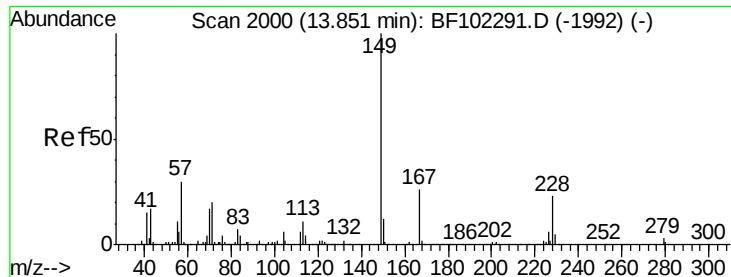
Sohil
1/30/2018 3:38:18 PM



#82
Chrysene
Concen: 27.244 ng
RT: 13.90 min Scan# 2009
Delta R.T. -0.01 min
Lab File: BF102610.D
Acq: 29 Jan 2018 21:16

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.1	25.0	37.6
229	21.1	16.2	24.4





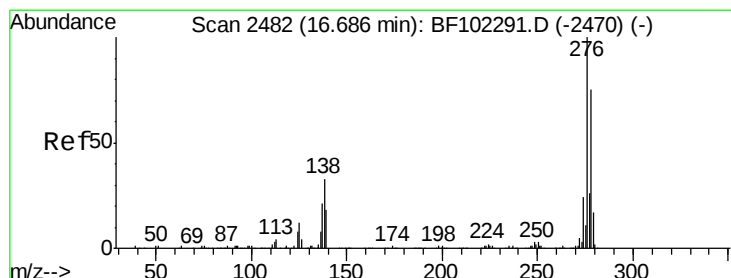
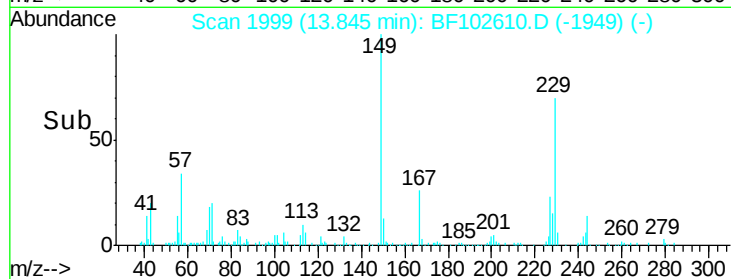
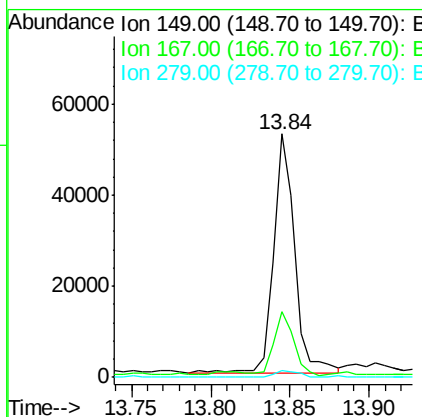
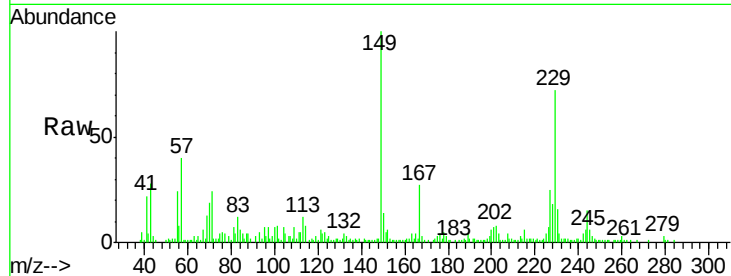
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.877 ng
 RT: 13.84 min Scan# 1999
 Delta R.T. -0.01 min
 Lab File: BF102610.D
 Acq: 29 Jan 2018 21:16

Instrument :
 BNA_F
 ClientSampleId :
 EPE-106-5(0-5)

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.2	21.3	31.9
279	3.0	3.0	4.4

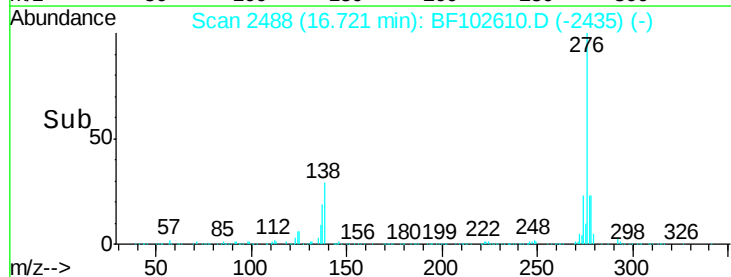
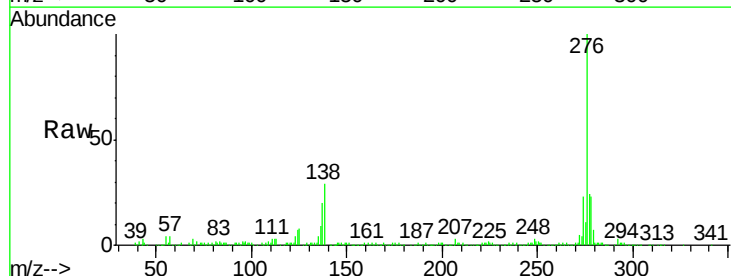
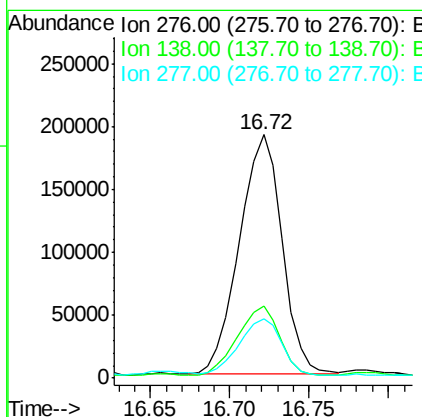
Manual Integrations
 APPROVED

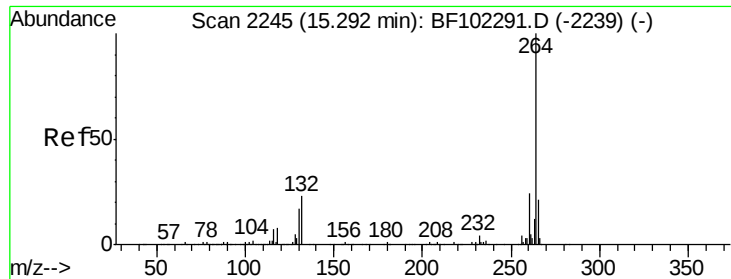
Sohil
 1/30/2018 3:38:18 PM



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 21.103 ng
 RT: 16.72 min Scan# 2488
 Delta R.T. 0.01 min
 Lab File: BF102610.D
 Acq: 29 Jan 2018 21:16

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.5	25.0	37.6
277	23.5	20.1	30.1





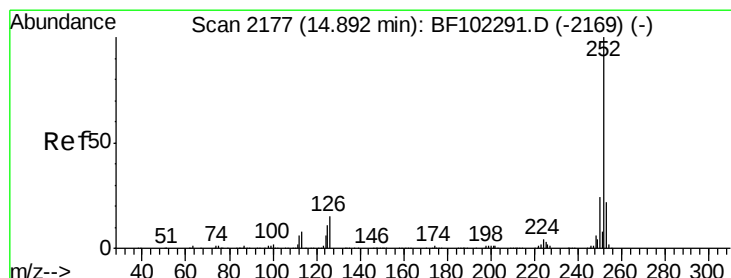
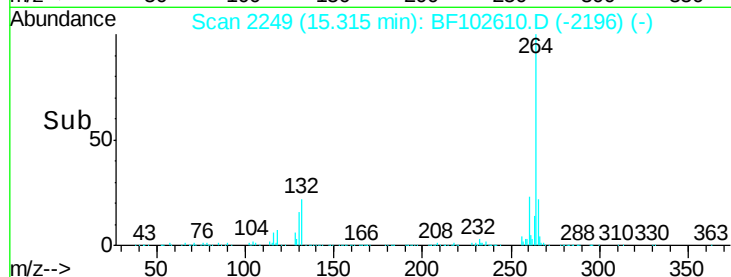
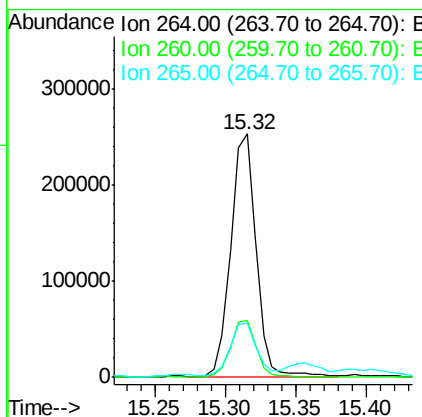
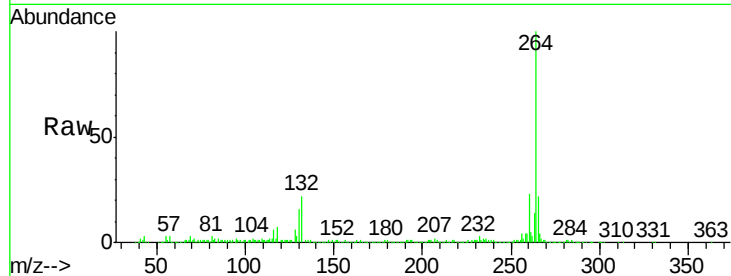
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.32 min Scan# 2249
Delta R.T. 0.01 min
Lab File: BF102610.D
Acq: 29 Jan 2018 21:16

Instrument :
BNA_F
ClientSampleId :
EPE-106-5(0-5)

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	316818		
260	23.2	19.2	28.8	
265	22.3	17.5	26.3	

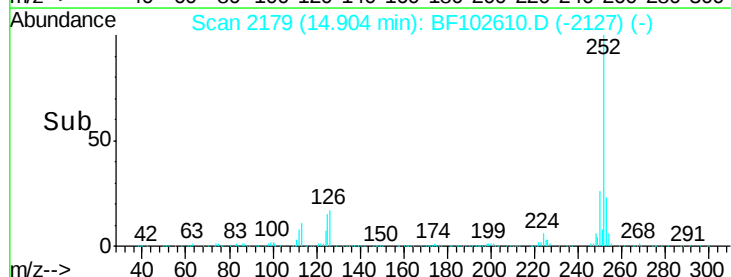
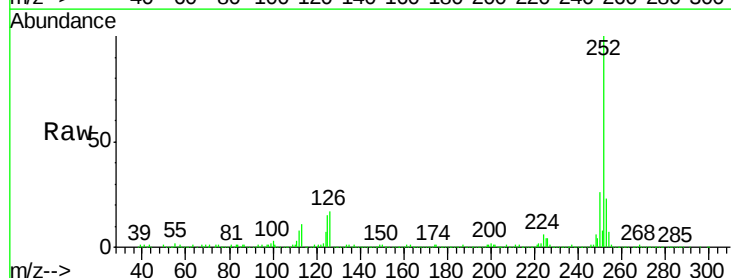
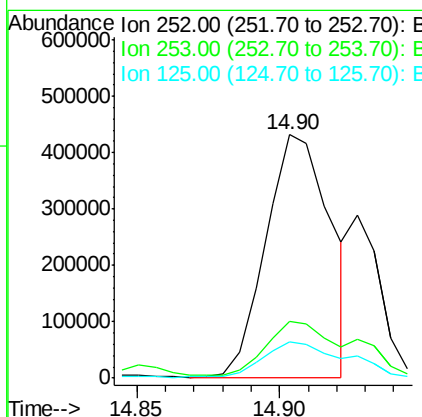
Manual Integrations
APPROVED

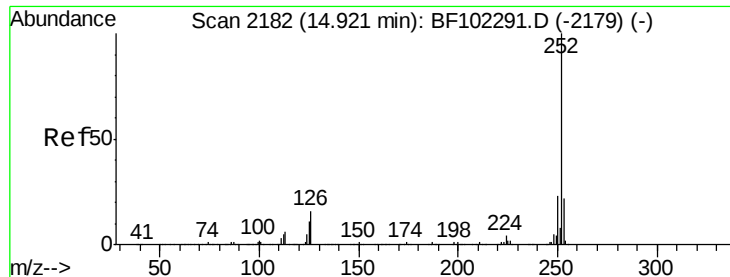
Sohil
1/30/2018 3:38:18 PM



#87
Benzo(b)fluoranthene
Concen: 32.784 ng m
RT: 14.90 min Scan# 2179
Delta R.T. 0.01 min
Lab File: BF102610.D
Acq: 29 Jan 2018 21:16

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	673204		
253	23.1	17.0	25.6	
125	14.9	9.0	13.6	





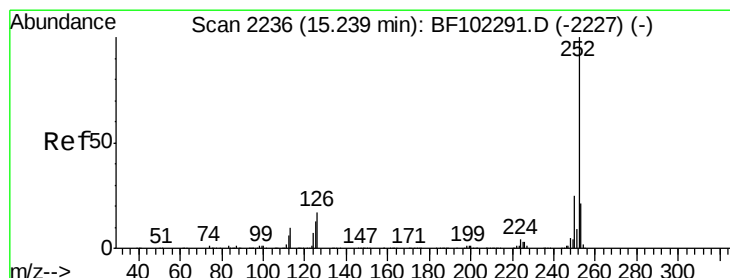
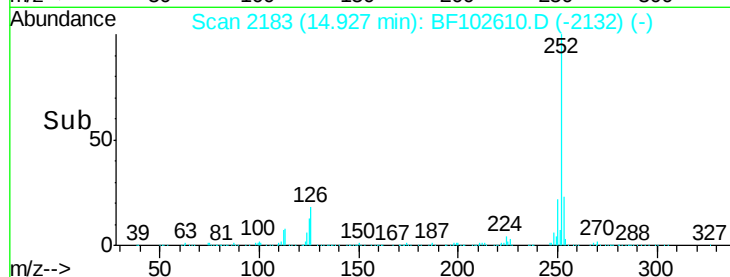
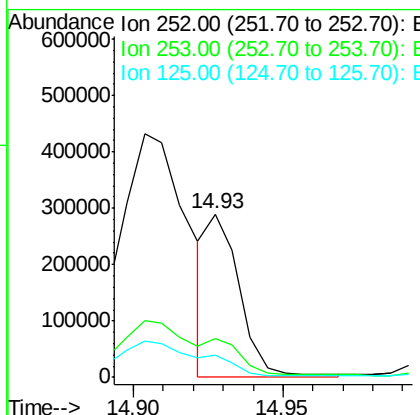
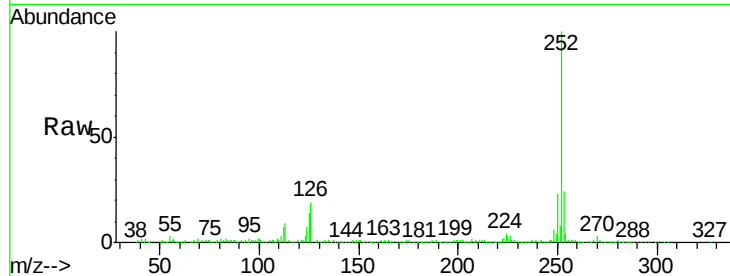
#88
Benzo(k)fluoranthene
Concen: 11.246 ng m
RT: 14.93 min Scan# 2183
Delta R.T. -0.00 min
Lab File: BF102610.D
Acq: 29 Jan 2018 21:16

Instrument :
BNA_F
ClientSampleId :
EPE-106-5(0-5)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.9	26.9
125	13.8	10.2	15.2

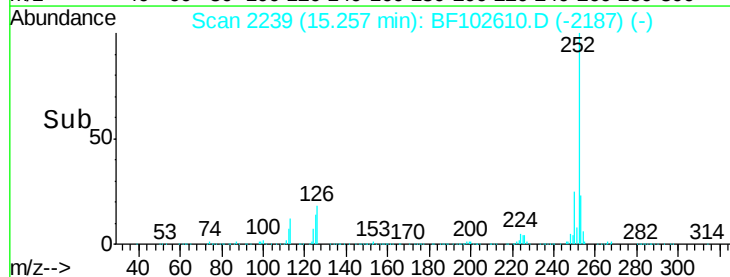
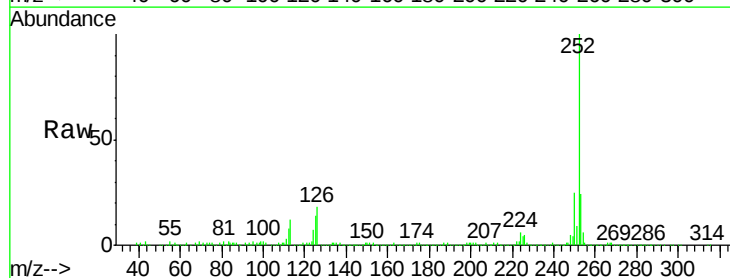
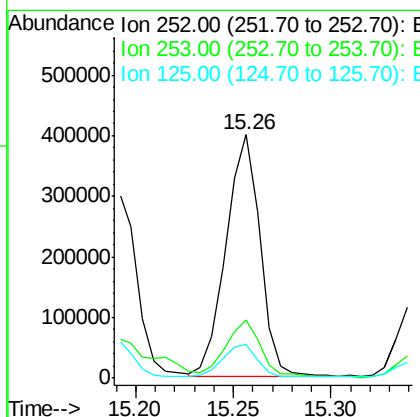
Manual Integrations
APPROVED

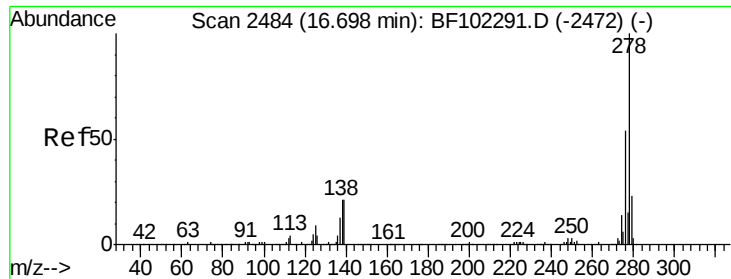
Sohil
1/30/2018 3:38:18 PM



#89
Benzo(a)pyrene
Concen: 26.220 ng
RT: 15.26 min Scan# 2239
Delta R.T. 0.01 min
Lab File: BF102610.D
Acq: 29 Jan 2018 21:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.1	25.7
125	14.0	9.8	14.6





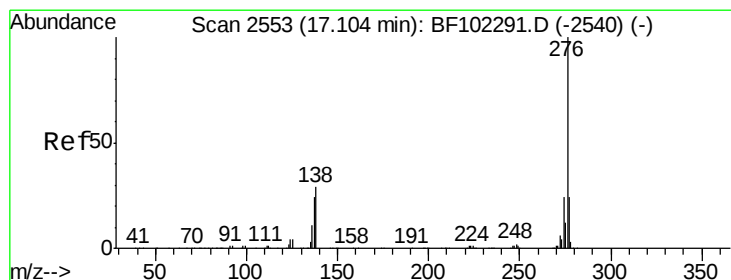
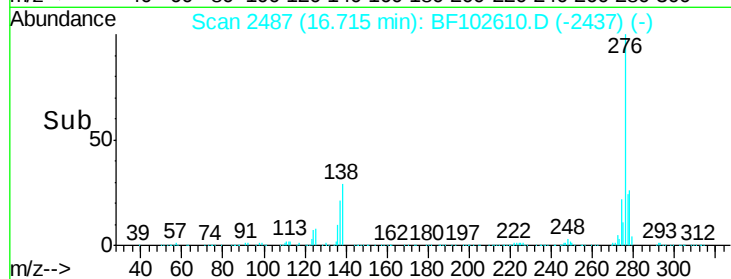
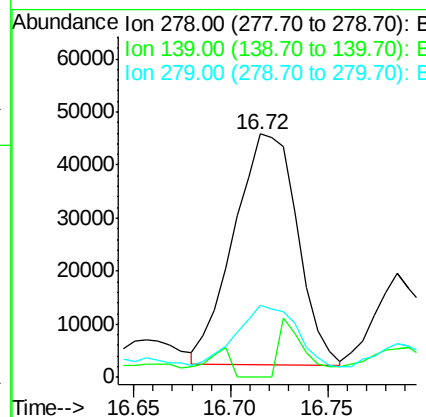
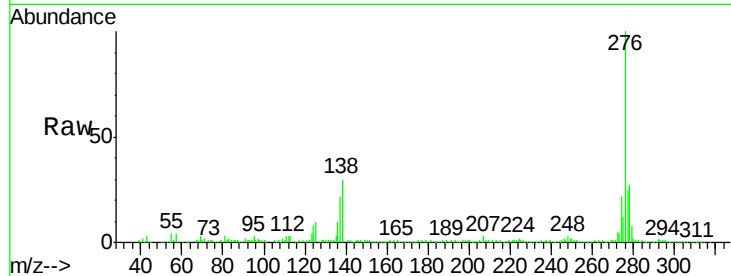
#90
Dibenzo(a,h)anthracene
Concen: 6.537 ng m
RT: 16.72 min Scan# 2487
Delta R.T. -0.01 min
Lab File: BF102610.D
Acq: 29 Jan 2018 21:16

Instrument :
BNA_F
ClientSampleId :
EPE-106-5(0-5)

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9#
279	29.7	19.0	28.4#

Manual Integrations
APPROVED

Sohil
1/30/2018 3:38:18 PM



#91
Benzo(g,h,i)perylene
Concen: 25.295 ng
RT: 17.15 min Scan# 2561
Delta R.T. 0.02 min
Lab File: BF102610.D
Acq: 29 Jan 2018 21:16

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.5	17.9	26.9
138	28.3	21.8	32.8

