

Data Path : U:\HPCHEM1\BNA F\DATA\BF011818\
 Data File : BF102202.D
 Acq On : 18 Jan 2018 20:07
 Operator : SJ/JU
 Sample : J1187-10 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EPE-125-9(5-10)

Manual Integrations
 APPROVED

Sohil
 1/19/2018 9:47:38 AM

Quant Time: Jan 19 02:13:01 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 17 15:28:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	153045	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	609974	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	253982	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	383091	20.00	ng	0.00
75) Chrysene-d12	13.88	240	254103	20.00	ng	0.00
86) Perylene-d12	15.30	264	233318	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	535907	49.45	ng	0.00
7) Phenol-d6	6.36	99	635220	49.12	ng	0.00
23) Nitrobenzene-d5	7.29	82	377562	36.37	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	113465	51.19	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	631685	38.86	ng	0.00
78) Terphenyl-d14	12.82	244	391889	32.02	ng	0.00
Target Compounds						Qvalue
48) Acenaphthylene	9.62	152	102865	3.723	ng	98
49) Dimethylphthalate	9.47	163	86328	4.237	ng	97
51) Acenaphthene	9.79	154	107910	6.435	ng	98
54) Dibenzofuran	9.96	168	64483	2.802	ng	100
57) Fluorene	10.30	166	101022	6.350	ng	99
70) Phenanthrene	11.27	178	975963	43.613	ng	99
71) Anthracene	11.32	178	311259	13.715	ng	98
72) Carbazole	11.47	167	120437	5.399	ng	100
74) Fluoranthene	12.46	202	1385498	62.930	ng	99
77) Pyrene	12.69	202	1351981	60.192	ng	100
80) Benzo(a)anthracene	13.87	228	722344	44.555	ng	97
82) Chrysene	13.90	228	613651	36.300	ng	97
83) Bis(2-ethylhexyl)phthalate	13.86	149	41915	3.545	ng	# 98
85) Indeno(1,2,3-cd)pyrene	16.69	276	327437	26.612	ng	94
87) Benzo(b)fluoranthene	14.90	252	821634m	54.008	ng	
88) Benzo(k)fluoranthene	14.92	252	246356m	16.787	ng	
89) Benzo(a)pyrene	15.24	252	592124	43.253	ng	96
90) Dibenzo(a,h)anthracene	16.69	278	83620	7.654	ng	92
91) Benzo(a,h,i)perylene	17.11	276	297121	26.999	ng	97

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

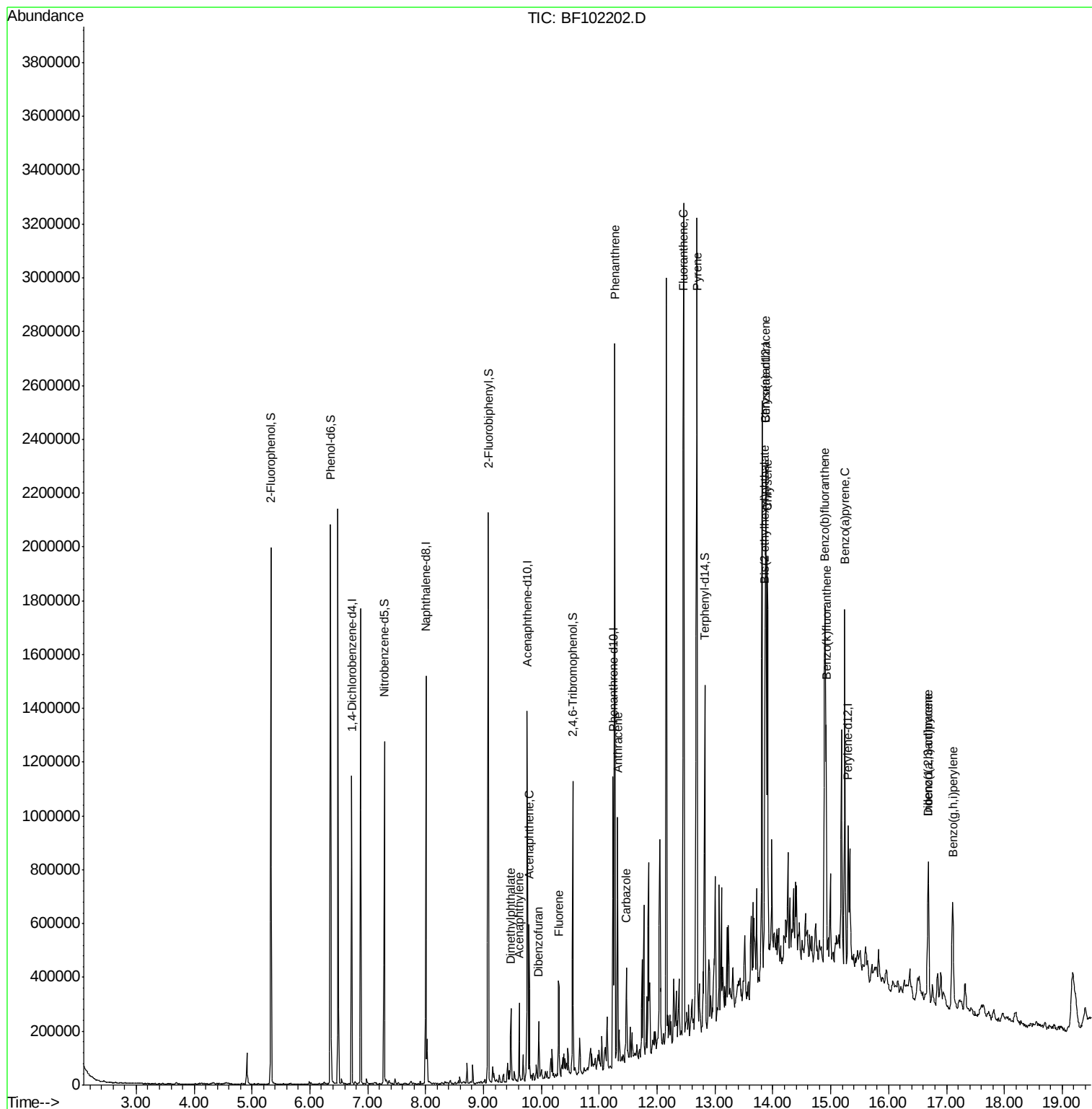
Data Path : U:\HPCHEM1\BNA F\DATA\BF011818\
Data File : BF102202.D
Acq On : 18 Jan 2018 20:07
Operator : SJ/JU
Sample : J1187-10 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

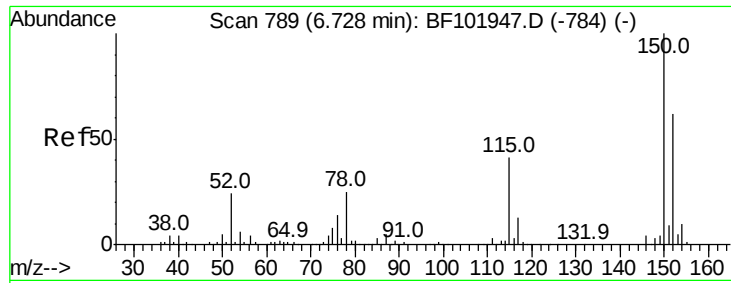
Instrument :
BNA_F
ClientSampleId :
EPE-125-9(5-10)

Manual Integrations
APPROVED

Sohil
1/19/2018 9:47:38 AM

Quant Time: Jan 19 02:13:01 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 17 15:28:18 2018
Response via : Initial Calibration





#1

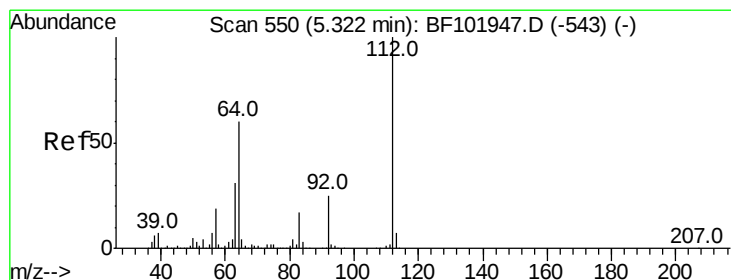
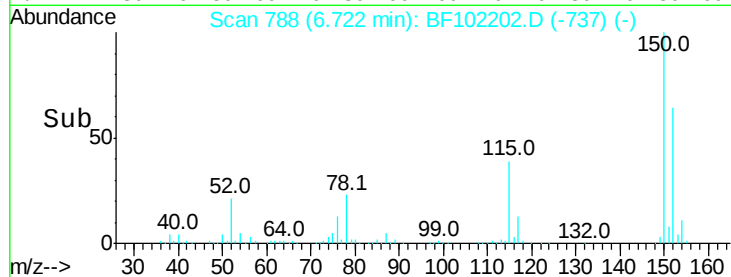
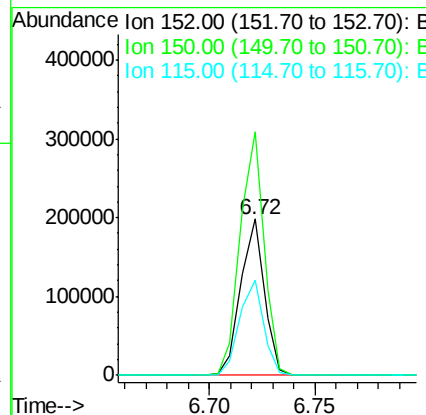
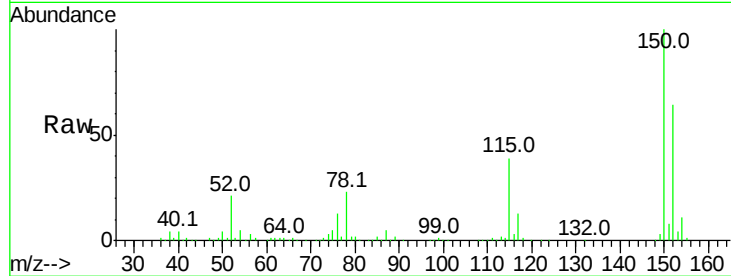
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.00 min
Lab File: BF102202.D
Acq: 18 Jan 2018 20:07

Instrument :
BNA_F
ClientSampleId :
EPE-125-9(5-10)

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	124.6	186.8
115	60.6	50.1	75.1

Manual Integrations
APPROVED

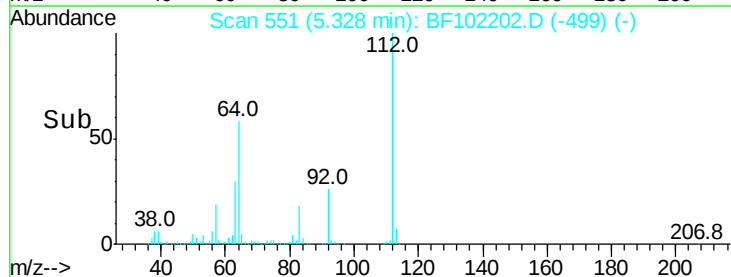
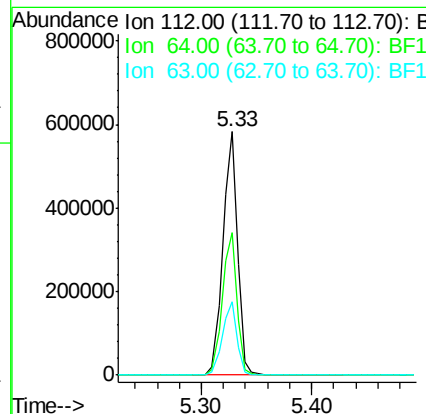
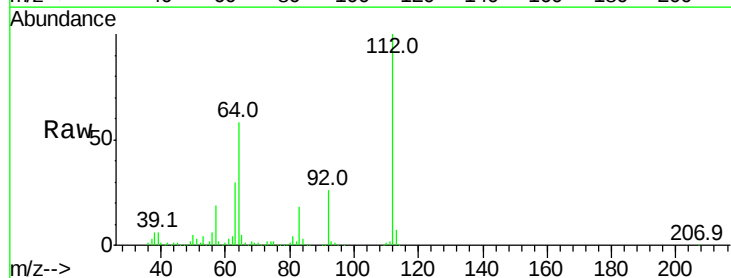
Sohil
1/19/2018 9:47:38 AM

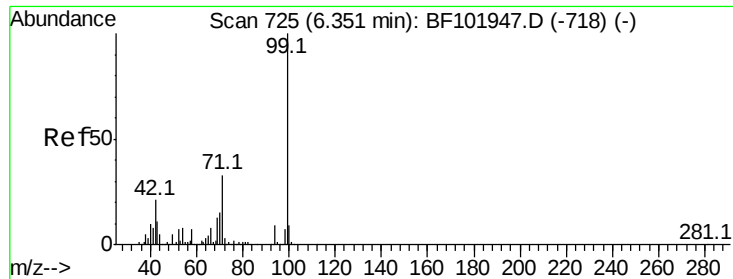


#5

2-Fluorophenol
Concen: 49.446 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF102202.D
Acq: 18 Jan 2018 20:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.5	47.9	71.9
63	30.3	23.7	35.5





#7

Phenol-d6

Concen: 49.123 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.00 min

Lab File: BF102202.D

Acq: 18 Jan 2018 20:07

Instrument :

BNA_F

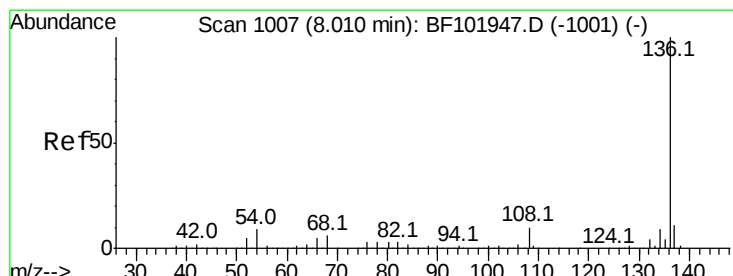
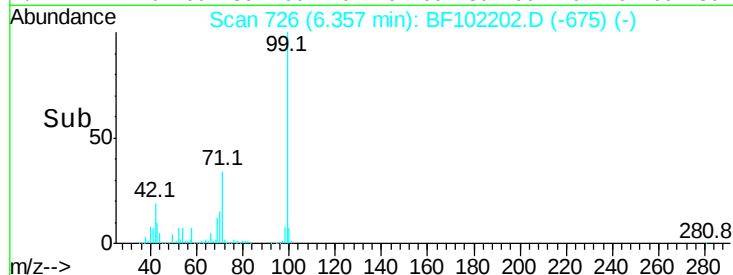
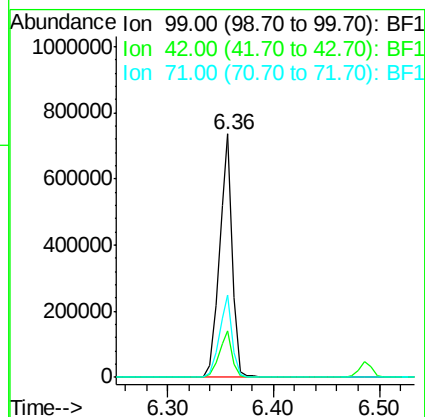
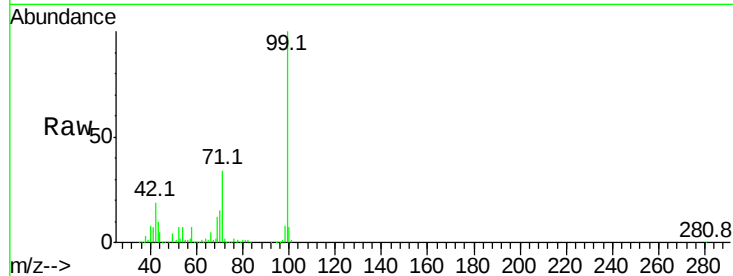
ClientSampleId :

EPE-125-9(5-10)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		635220		
42	19.1	14.5	21.7		
71	33.9	25.4	38.0		

Manual Integrations
APPROVED

Sohil
1/19/2018 9:47:38 AM



#21

Naphthalene-d8

Concen: 20.000 ng

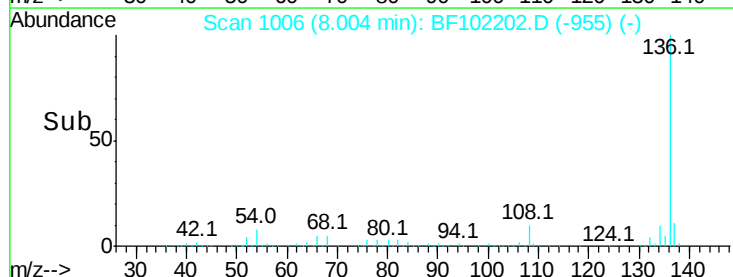
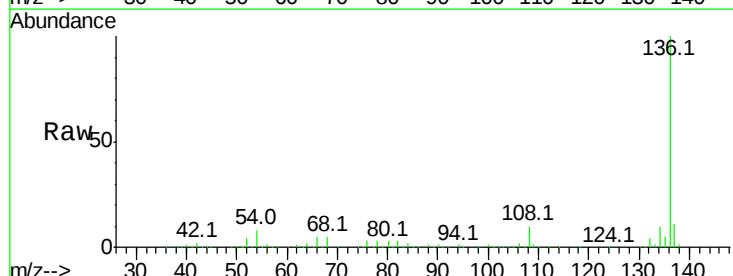
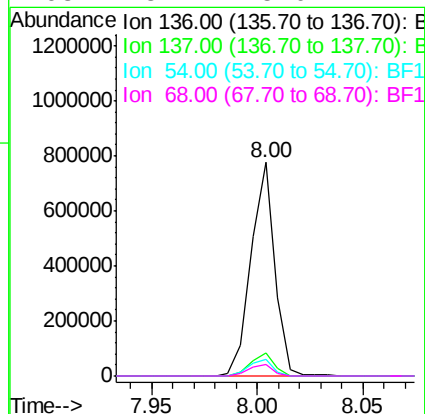
RT: 8.00 min Scan# 1006

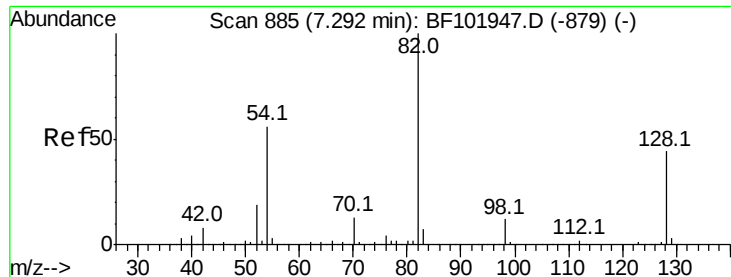
Delta R.T. -0.00 min

Lab File: BF102202.D

Acq: 18 Jan 2018 20:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		609974		
137	10.6	8.9	13.3		
54	7.5	6.6	9.8		
68	5.1	5.0	7.4		





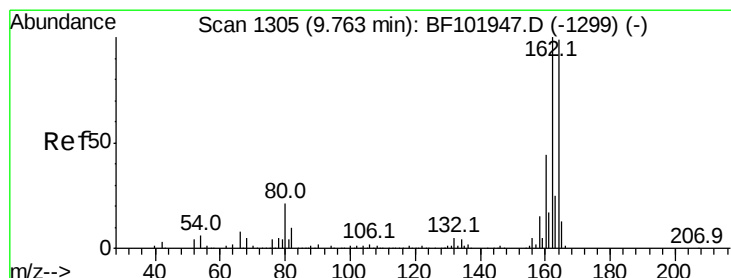
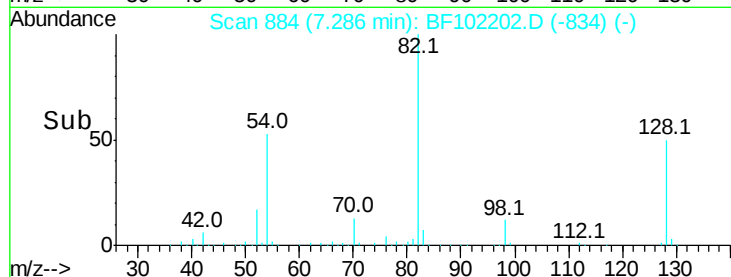
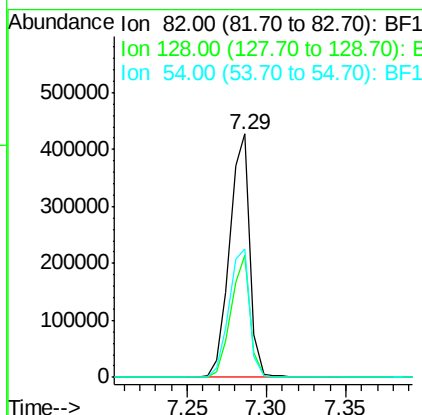
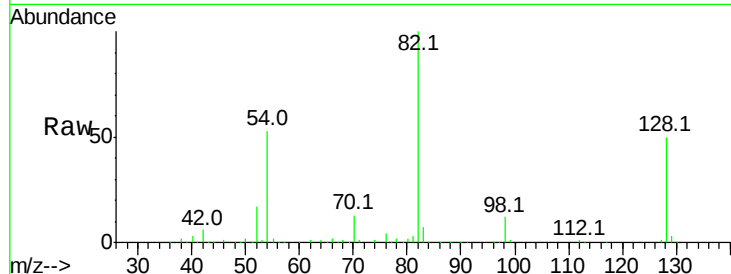
#23
Nitrobenzene-d5
Concen: 36.374 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF102202.D
Acq: 18 Jan 2018 20:07

Instrument :
BNA_F
ClientSampleId :
EPE-125-9(5-10)

Tot Ion	Ratio	Lower	Upper
82	100		
128	49.9	36.1	54.1
54	52.6	41.4	62.2

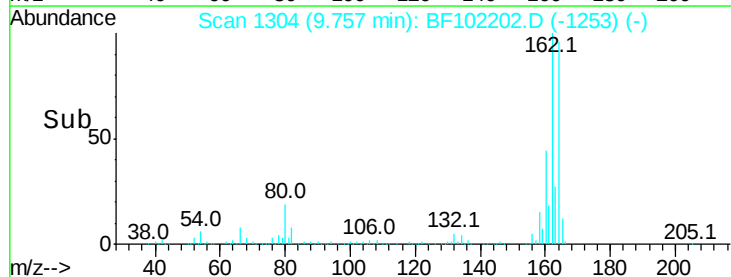
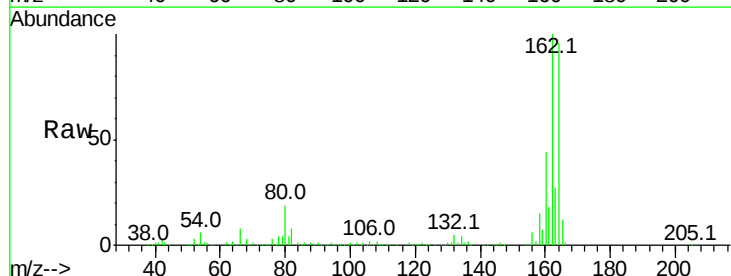
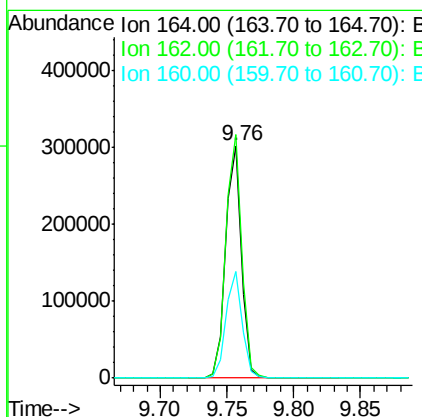
Manual Integrations
APPROVED

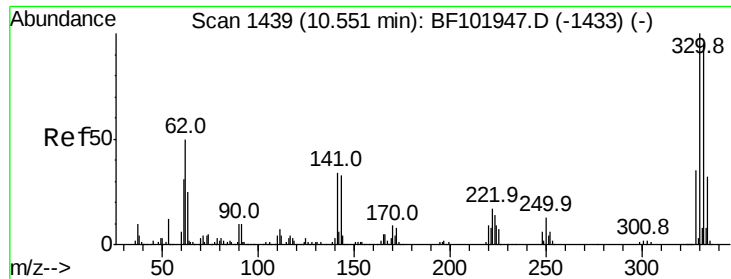
Sohil
1/19/2018 9:47:38 AM



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.00 min
Lab File: BF102202.D
Acq: 18 Jan 2018 20:07

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.6	86.1	129.1
160	46.0	38.3	57.5





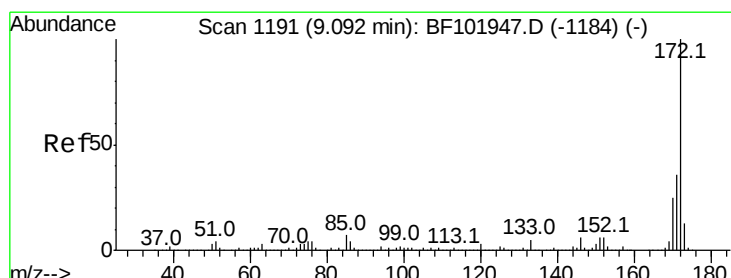
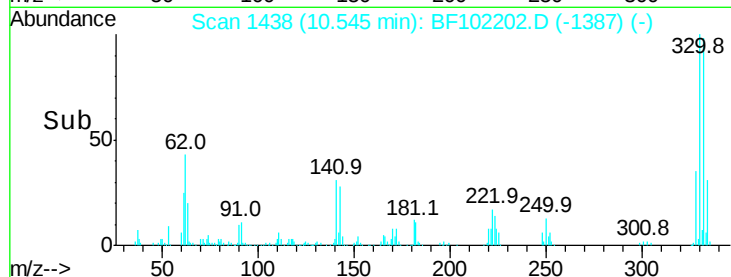
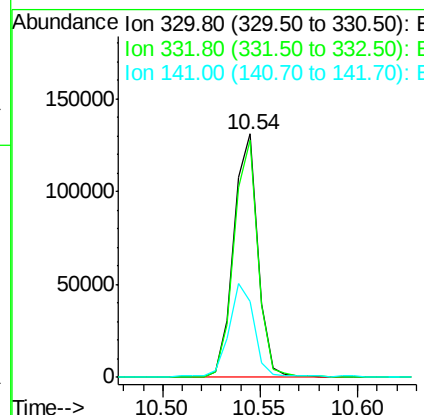
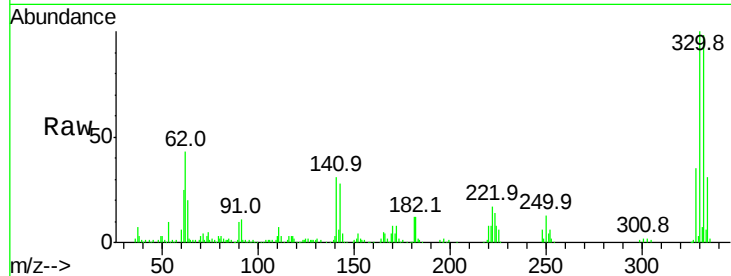
#41
 2,4,6-Tribromophenol
 Concen: 51.192 ng
 RT: 10.54 min Scan# 1438
 Delta R.T. -0.00 min
 Lab File: BF102202.D
 Acq: 18 Jan 2018 20:07

Instrument :
 BNA_F
 ClientSampleId :
 EPE-125-9(5-10)

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.5	77.0	115.6	
141	41.5	29.9	44.9	

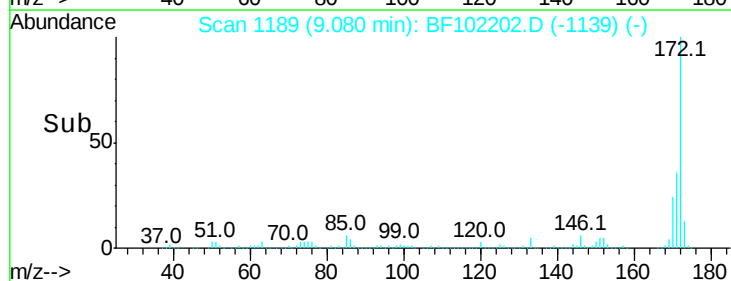
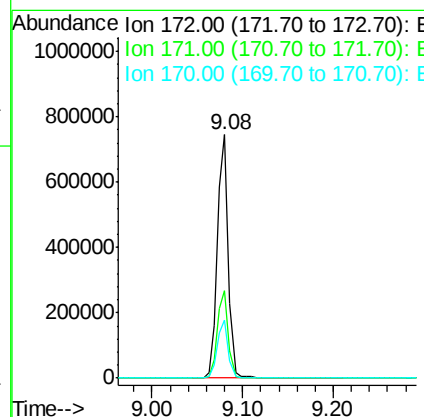
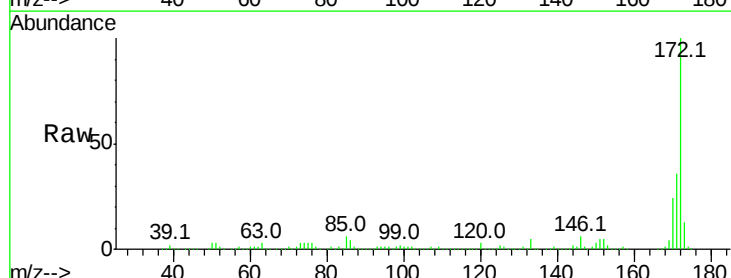
Manual Integrations
 APPROVED

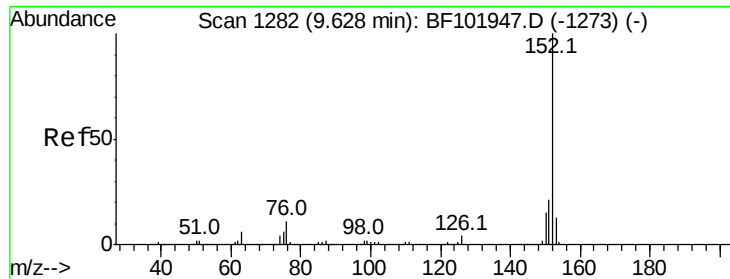
Sohil
 1/19/2018 9:47:38 AM



#44
 2-Fluorobiphenyl
 Concen: 38.856 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF102202.D
 Acq: 18 Jan 2018 20:07

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.1	29.7	44.5	
170	24.1	19.6	29.4	





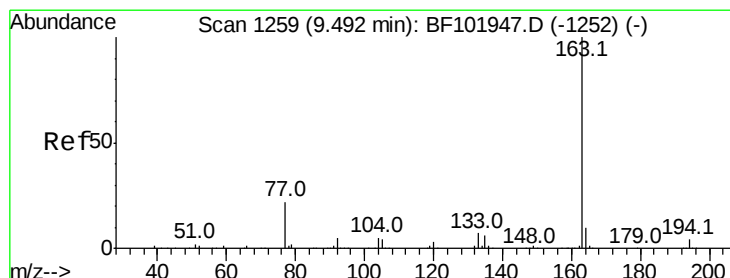
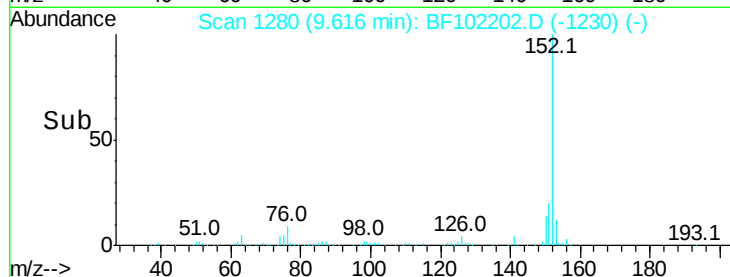
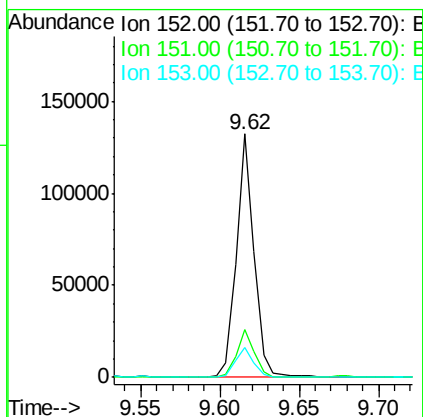
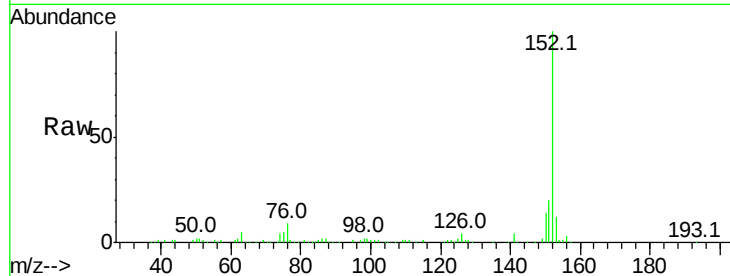
#48
Acenaphthylene
Concen: 3.723 ng
RT: 9.62 min Scan# 1280
Delta R.T. -0.01 min
Lab File: BF102202.D
Acq: 18 Jan 2018 20:07

Instrument :
BNA_F
ClientSampleId :
EPE-125-9(5-10)

Tot Ion	Ratio	Resp	Lower	Upper
152	100	102865		
151	19.7		16.3	24.5
153	12.1		10.7	16.1

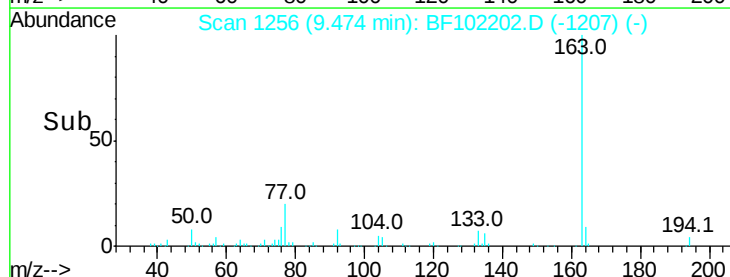
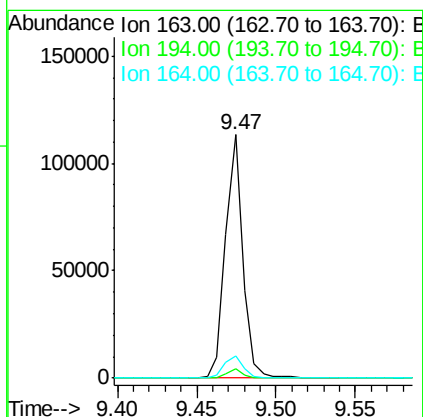
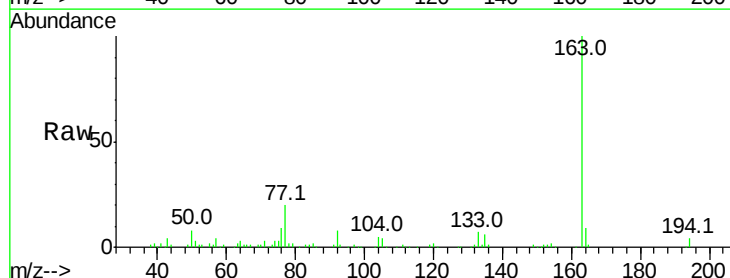
Manual Integrations
APPROVED

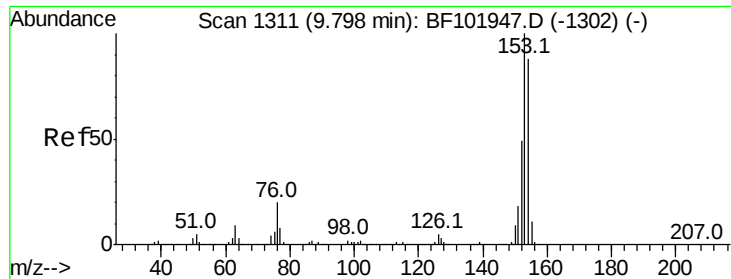
Sohil
1/19/2018 9:47:38 AM



#49
Dimethylphthalate
Concen: 4.237 ng
RT: 9.47 min Scan# 1256
Delta R.T. -0.01 min
Lab File: BF102202.D
Acq: 18 Jan 2018 20:07

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	86328		
194	4.0		2.7	4.1
164	9.1		8.2	12.2





#51

Acenaphthene

Concen: 6.435 ng

RT: 9.79 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BF102202.D

Acq: 18 Jan 2018 20:07

Instrument :

BNA_F

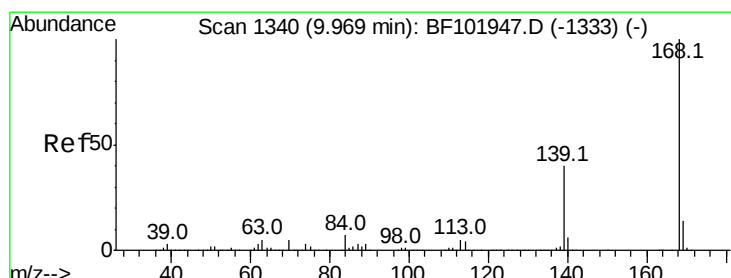
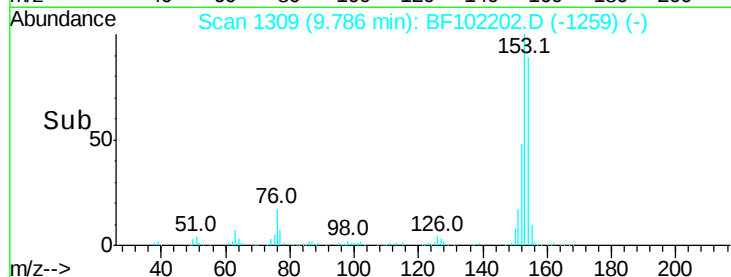
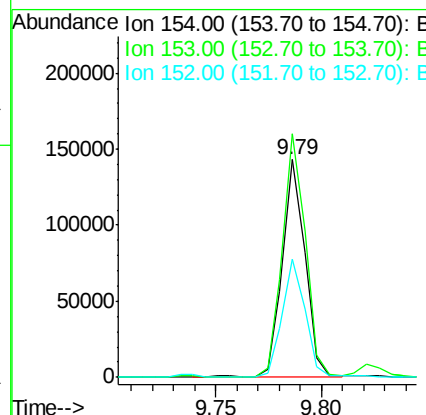
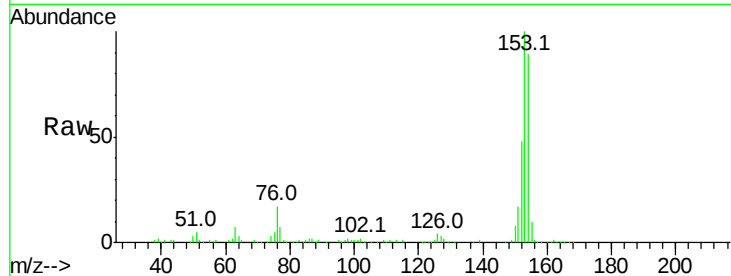
ClientSampleId :

EPE-125-9(5-10)

Tot Ion:	154	Resp:	107910
Ion Ratio	Lower	Upper	
154	100		
153	111.8	91.2	136.8
152	54.1	43.8	65.8

Manual Integrations
APPROVED

Sohil
1/19/2018 9:47:38 AM



#54

Dibenzofuran

Concen: 2.802 ng

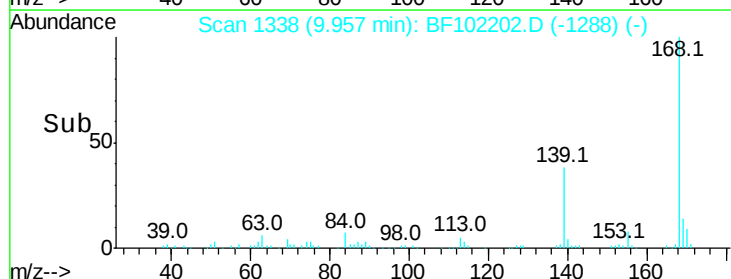
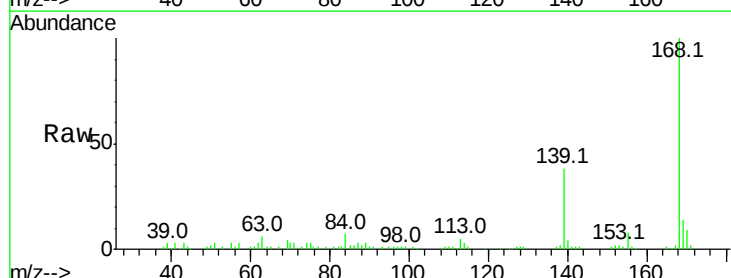
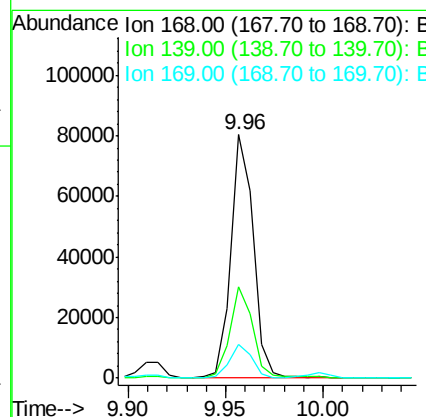
RT: 9.96 min Scan# 1338

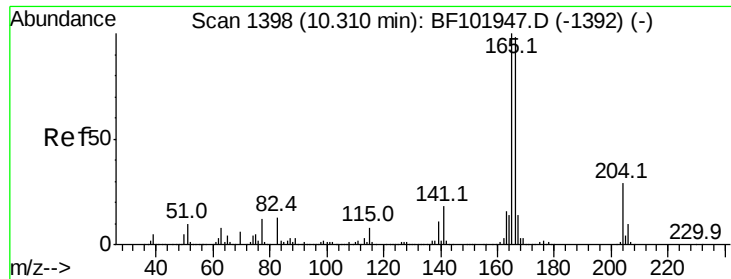
Delta R.T. -0.01 min

Lab File: BF102202.D

Acq: 18 Jan 2018 20:07

Tgt Ion:	168	Resp:	64483
Ion Ratio	Lower	Upper	
168	100		
139	37.7	30.1	45.1
169	13.9	10.9	16.3





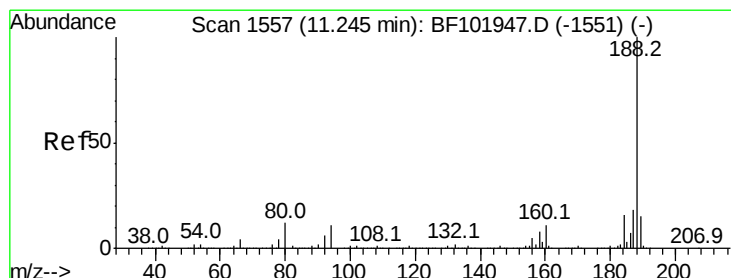
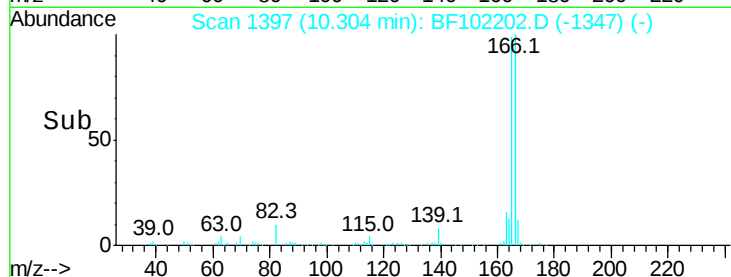
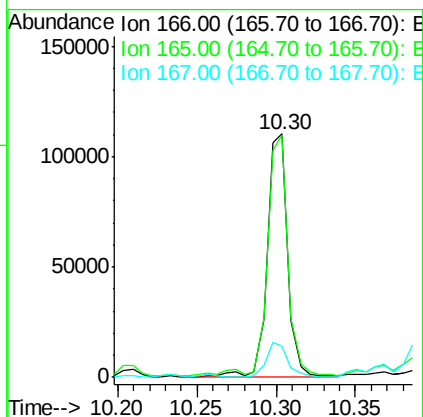
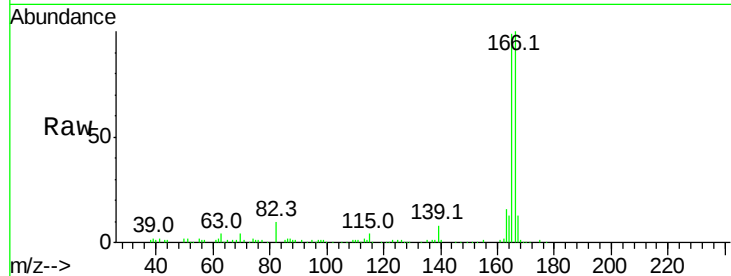
#57
Fluorene
 Concen: 6.350 ng
 RT: 10.30 min Scan# 1397
 Delta R.T. -0.01 min
 Lab File: BF102202.D
 Acq: 18 Jan 2018 20:07

Instrument :
 BNA_F
 ClientSampleId :
 EPE-125-9(5-10)

Tot Ion	Ratio	Lower	Upper
166	100		
165	99.3	79.8	119.8
167	12.9	10.6	16.0

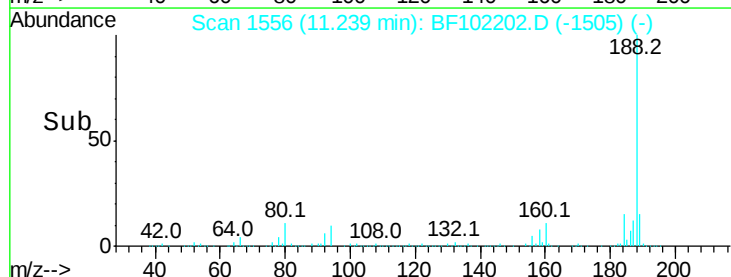
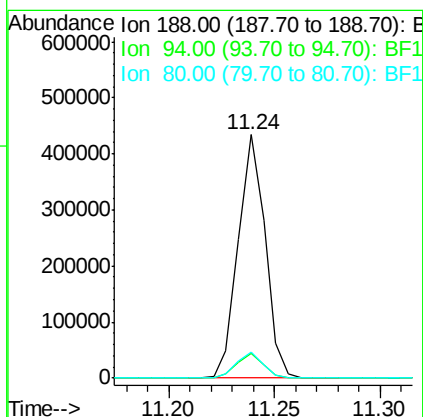
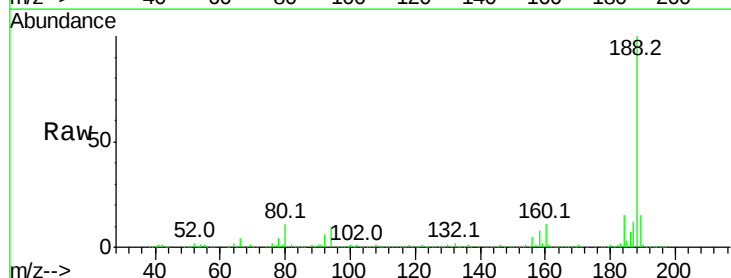
Manual Integrations
 APPROVED

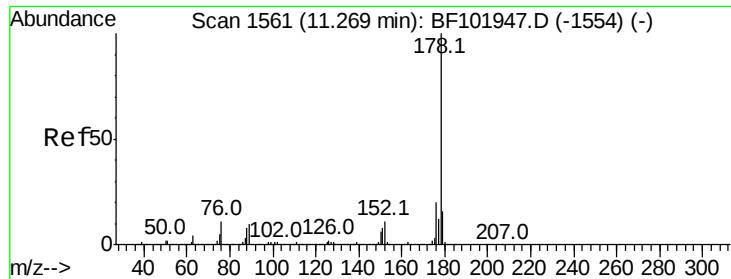
Sohil
 1/19/2018 9:47:38 AM



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1556
 Delta R.T. -0.00 min
 Lab File: BF102202.D
 Acq: 18 Jan 2018 20:07

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.1	8.5	12.7
80	10.9	9.2	13.8





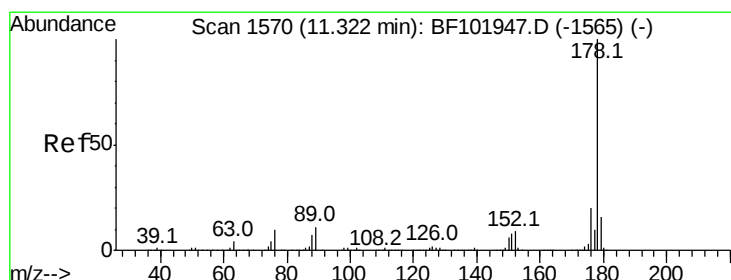
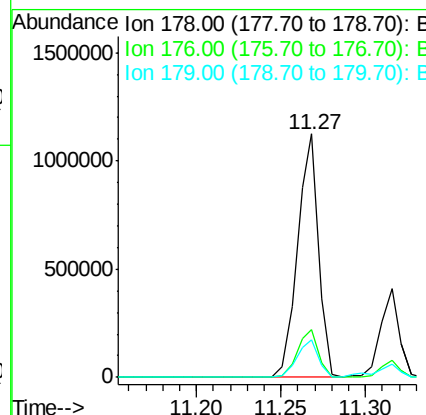
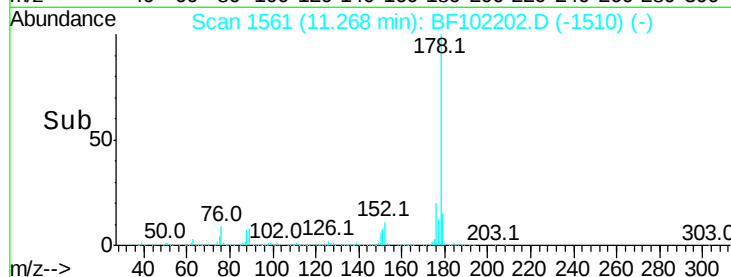
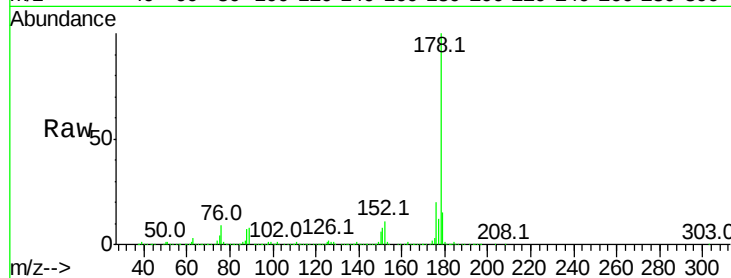
#70
Phenanthrene
Concen: 43.613 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.00 min
Lab File: BF102202.D
Acq: 18 Jan 2018 20:07

Instrument :
BNA_F
ClientSampleId :
EPE-125-9(5-10)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.8	23.8
179	15.3	13.0	19.6

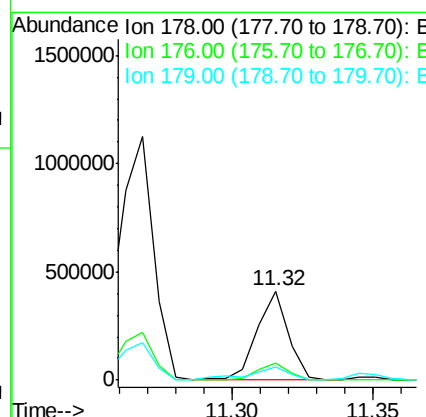
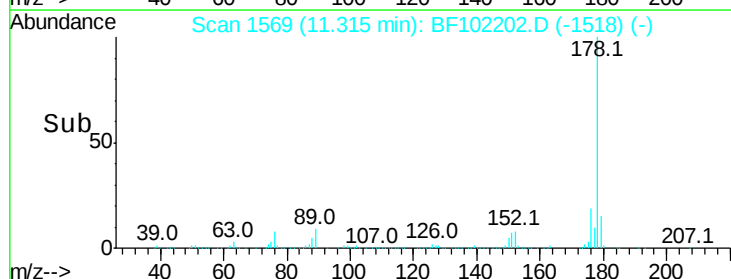
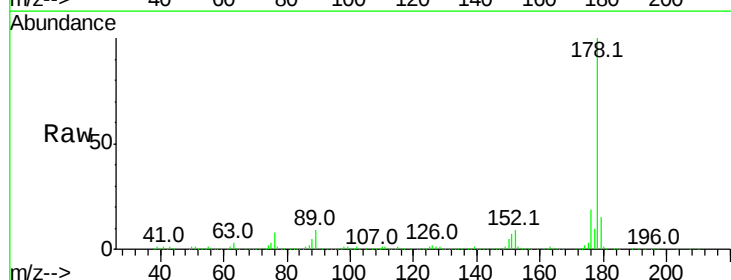
Manual Integrations
APPROVED

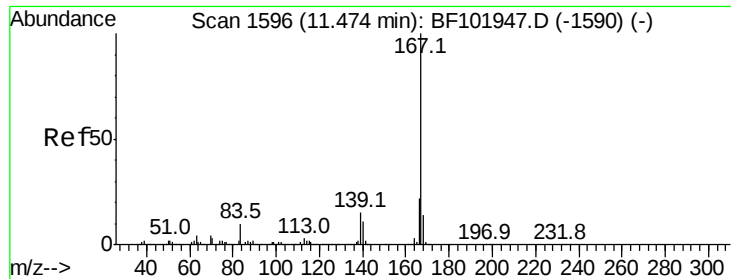
Sohil
1/19/2018 9:47:38 AM



#71
Anthracene
Concen: 13.715 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.00 min
Lab File: BF102202.D
Acq: 18 Jan 2018 20:07

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.2
179	14.7	12.6	19.0





#72

Carbazole

Concen: 5.399 ng

RT: 11.47 min Scan# 1595

Delta R.T. -0.01 min

Lab File: BF102202.D

Acq: 18 Jan 2018 20:07

Instrument :

BNA_F

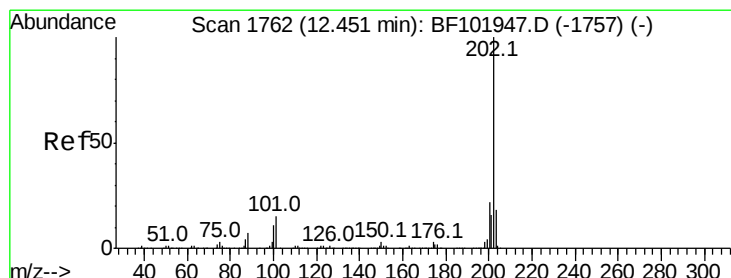
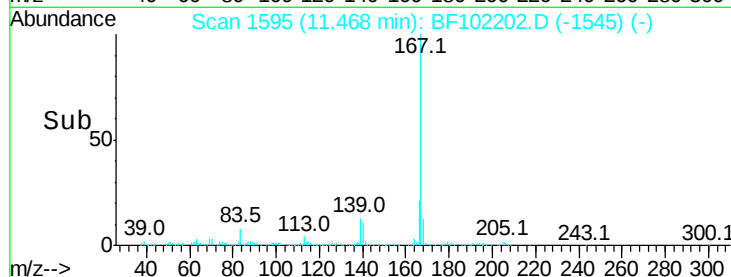
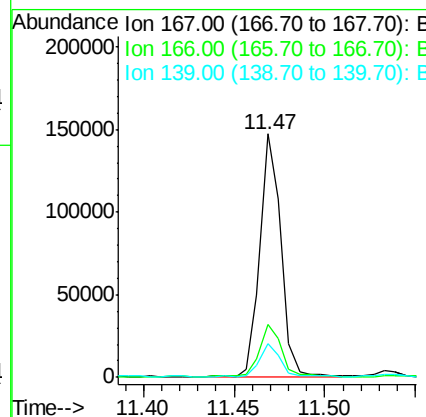
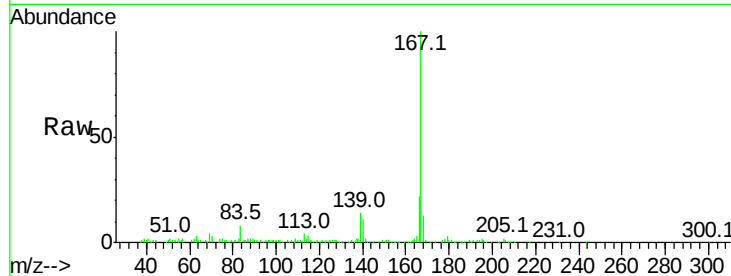
ClientSampleId :

EPE-125-9(5-10)

Tot Ion:	167	Resp:	120437
Ion Ratio	Lower	Upper	
167	100		
166	21.7	17.6	26.4
139	13.7	10.9	16.3

Manual Integrations
APPROVED

Sohil
1/19/2018 9:47:38 AM



#74

Fluoranthene

Concen: 62.930 ng

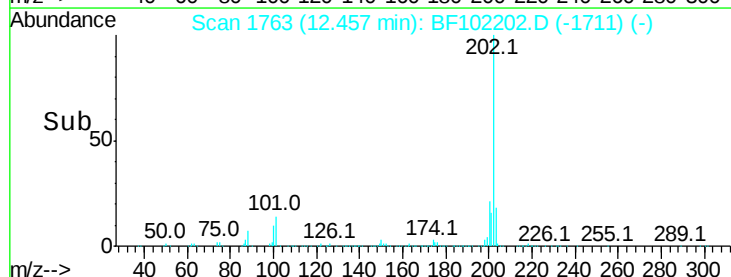
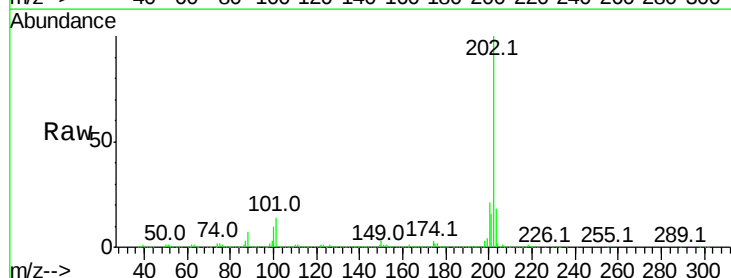
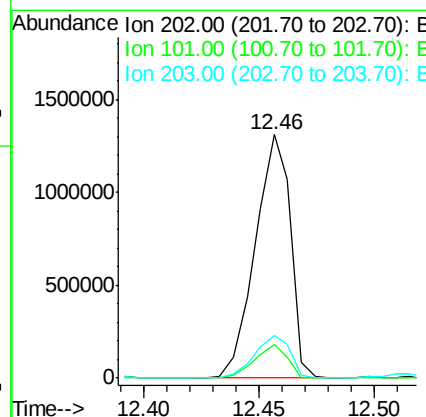
RT: 12.46 min Scan# 1763

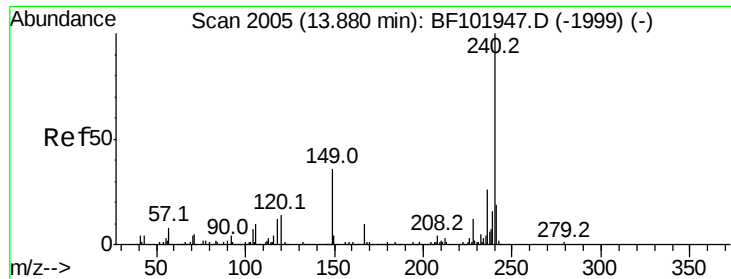
Delta R.T. 0.01 min

Lab File: BF102202.D

Acq: 18 Jan 2018 20:07

Tgt Ion:	202	Resp:	1385498
Ion Ratio	Lower	Upper	
202	100		
101	13.9	0.0	34.1
203	17.7	0.0	38.1





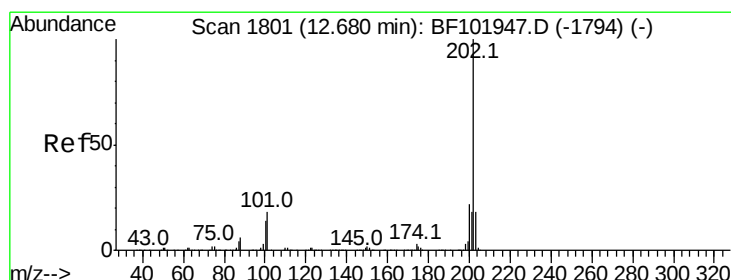
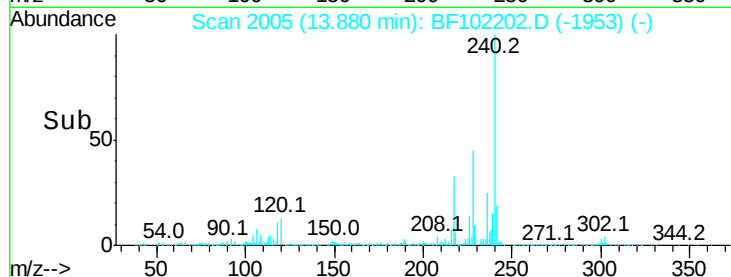
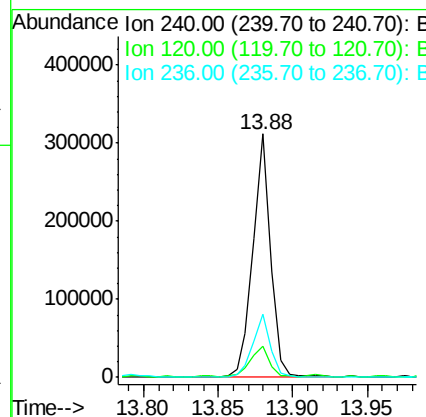
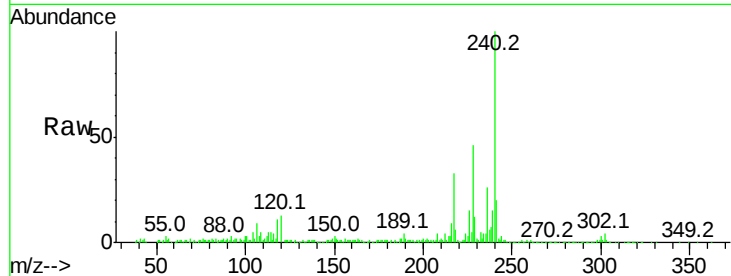
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.88 min Scan# 2005
Delta R.T. 0.01 min
Lab File: BF102202.D
Acq: 18 Jan 2018 20:07

Instrument :
BNA_F
ClientSampleId :
EPE-125-9(5-10)

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.7	9.5	14.3
236	25.8	20.7	31.1

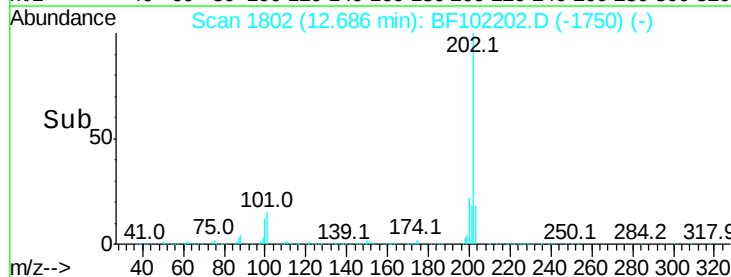
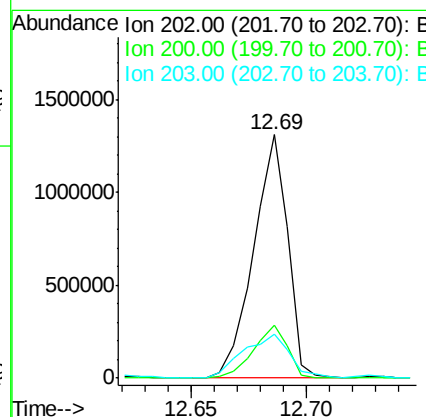
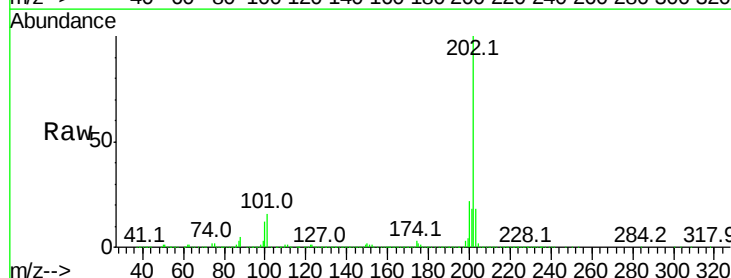
Manual Integrations
APPROVED

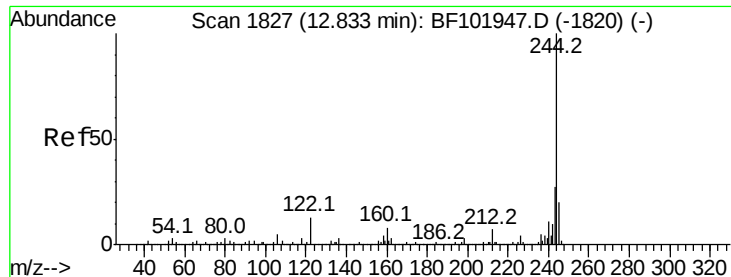
Sohil
1/19/2018 9:47:38 AM



#77
Pyrene
Concen: 60.192 ng
RT: 12.69 min Scan# 1802
Delta R.T. 0.01 min
Lab File: BF102202.D
Acq: 18 Jan 2018 20:07

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.4	26.2
203	18.2	14.3	21.5





#78

Terphenyl-d14

Concen: 32.021 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF102202.D

Acq: 18 Jan 2018 20:07

Instrument :

BNA_F

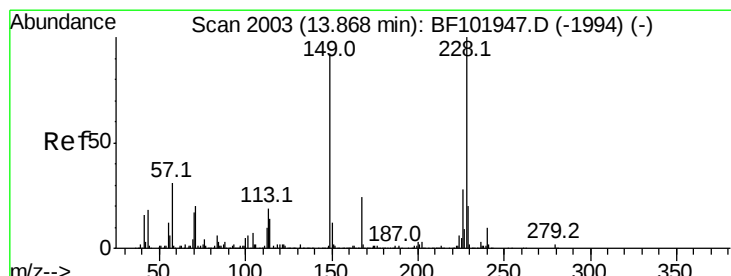
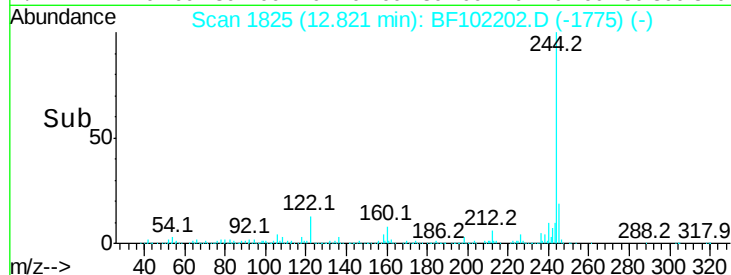
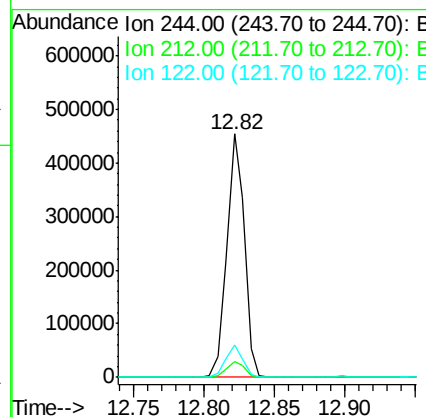
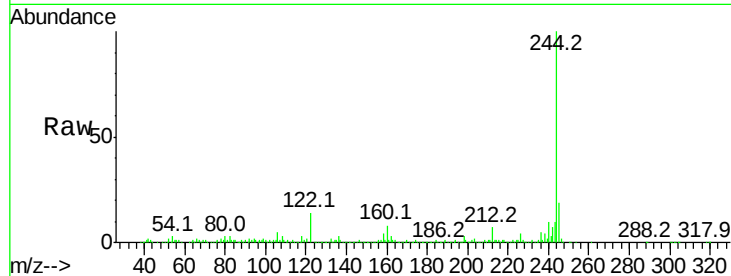
ClientSampleId :

EPE-125-9(5-10)

Tot Ion:	244	Resp:	391889
Ion Ratio	Lower	Upper	
244	100		
212	6.5	5.4	8.0
122	13.5	11.0	16.4

Manual Integrations
APPROVED

Sohil
1/19/2018 9:47:38 AM



#80

Benzo(a)anthracene

Concen: 44.555 ng

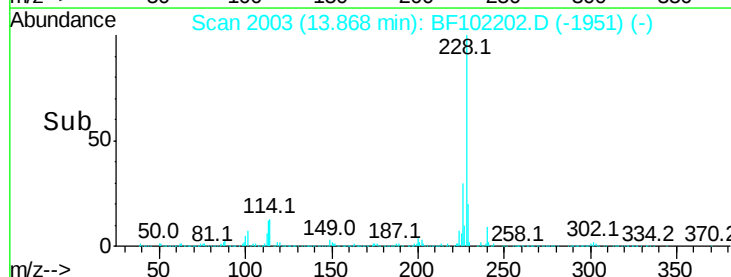
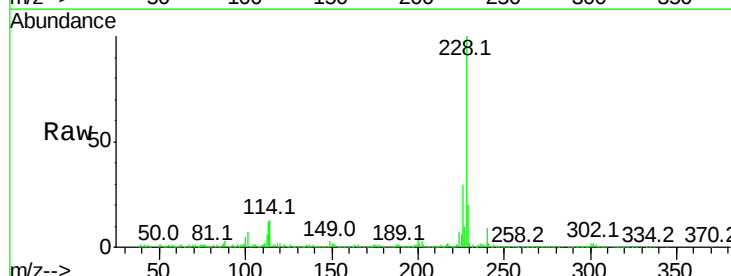
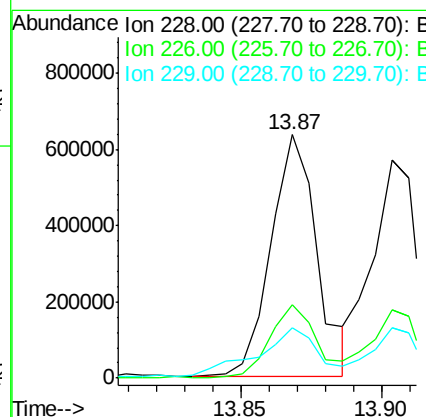
RT: 13.87 min Scan# 2003

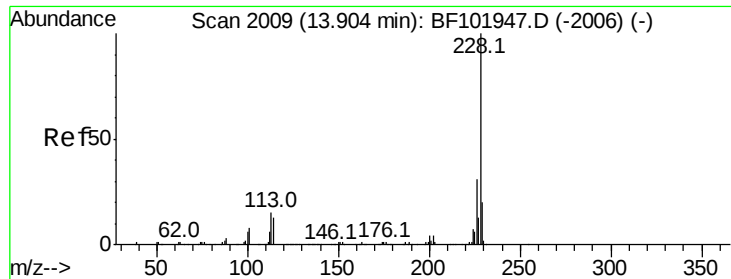
Delta R.T. 0.01 min

Lab File: BF102202.D

Acq: 18 Jan 2018 20:07

Tgt Ion:	228	Resp:	722344
Ion Ratio	Lower	Upper	
228	100		
226	30.2	22.6	33.8
229	20.5	15.8	23.6





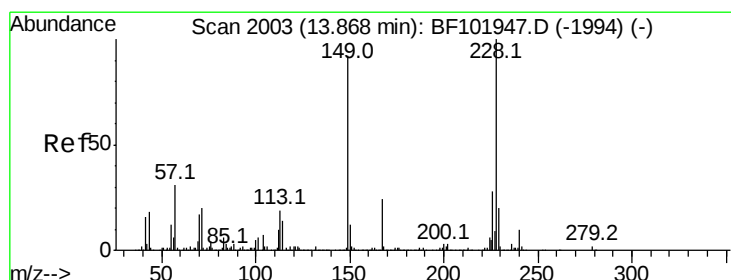
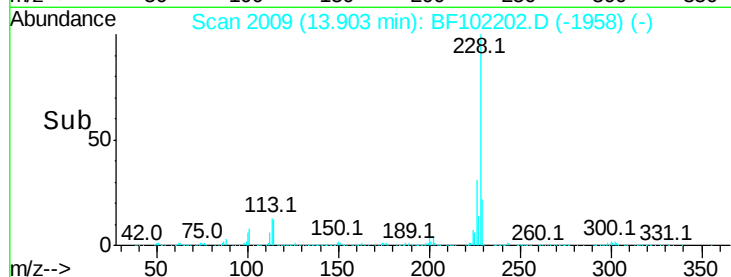
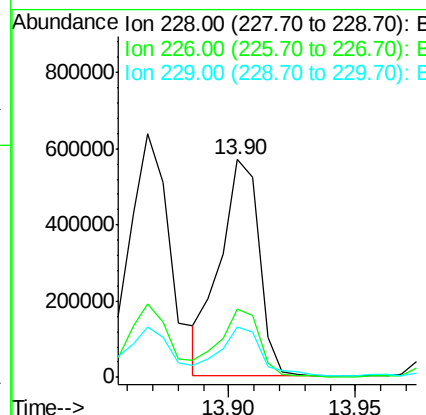
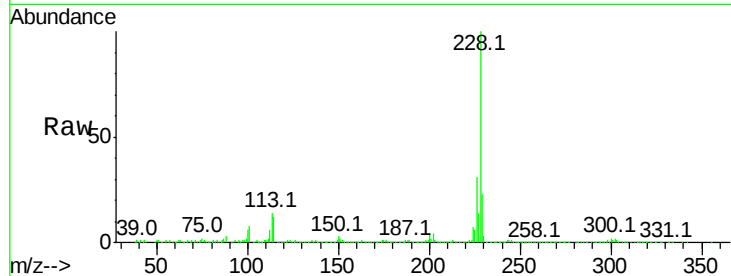
#82
Chrysene
Concen: 36.300 ng
RT: 13.90 min Scan# 2009
Delta R.T. -0.00 min
Lab File: BF102202.D
Acq: 18 Jan 2018 20:07

Instrument :
BNA_F
ClientSampleId :
EPE-125-9(5-10)

Tot Ion:	228	Resp:	613651
Ion Ratio	Lower	Upper	
228	100		
226	31.4	25.0	37.6
229	23.2	16.2	24.4

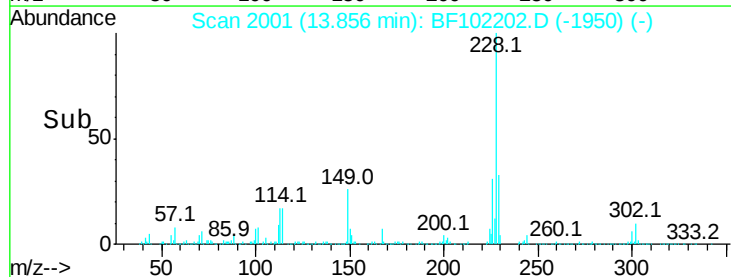
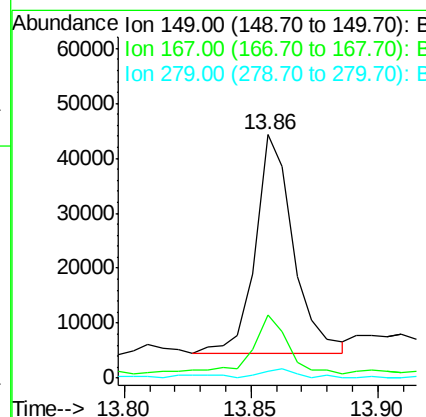
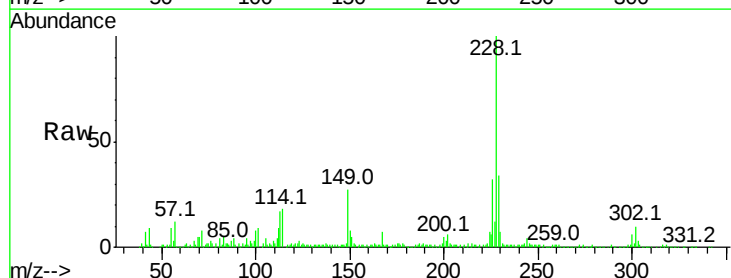
Manual Integrations
APPROVED

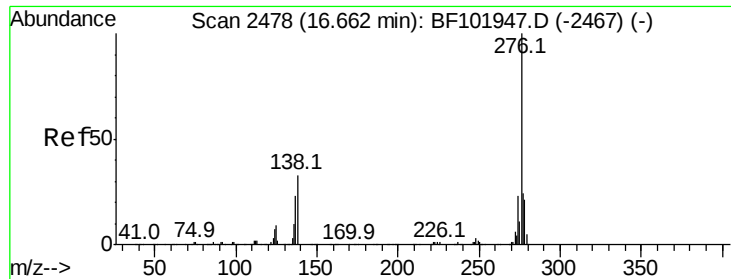
Sohil
1/19/2018 9:47:38 AM



#83
Bis(2-ethylhexyl)phthalate
Concen: 3.545 ng
RT: 13.86 min Scan# 2001
Delta R.T. -0.00 min
Lab File: BF102202.D
Acq: 18 Jan 2018 20:07

Tgt Ion:	149	Resp:	41915
Ion Ratio	Lower	Upper	
149	100		
167	25.7	21.3	31.9
279	2.7	3.0	4.4#





#85

Indeno(1,2,3-cd)pyrene

Concen: 26.612 ng

RT: 16.69 min Scan# 2482

Delta R.T. 0.02 min

Lab File: BF102202.D

Acq: 18 Jan 2018 20:07

Instrument :

BNA_F

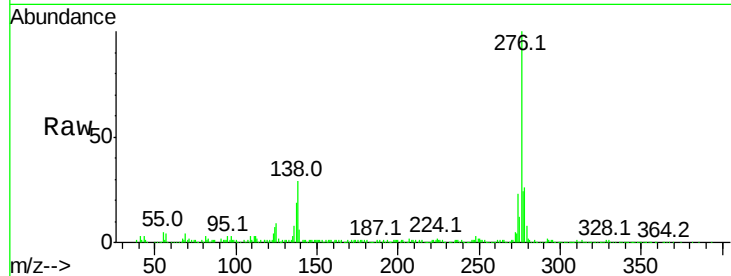
ClientSampleId :

EPE-125-9(5-10)

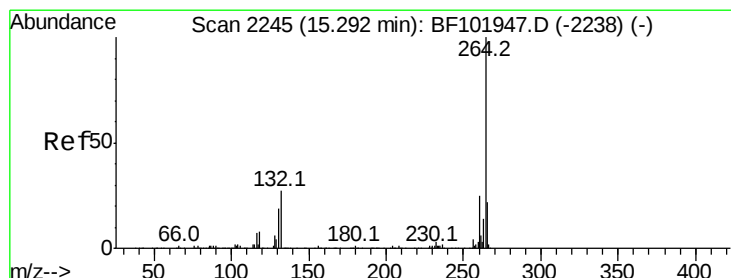
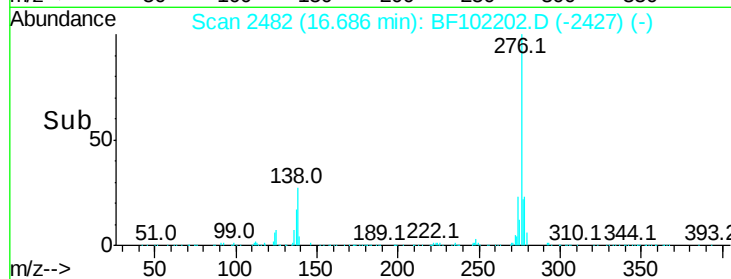
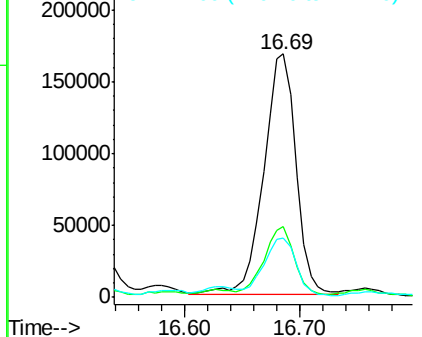
Tot Ion:	276	Resp:	327437
Ion Ratio	Lower	Upper	
276	100		
138	26.1	25.0	37.6
277	23.9	20.1	30.1

Manual Integrations
APPROVED

Sohil
1/19/2018 9:47:38 AM



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

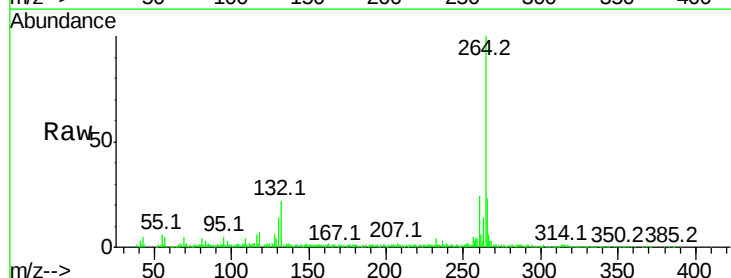
RT: 15.30 min Scan# 2247

Delta R.T. 0.02 min

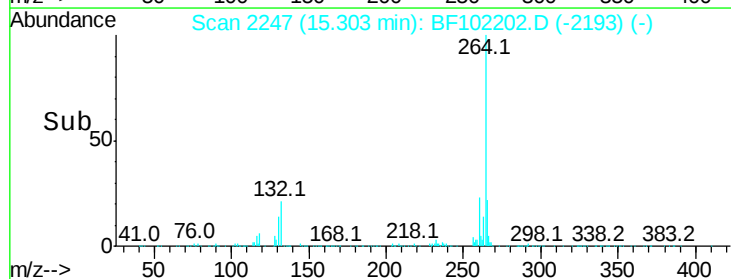
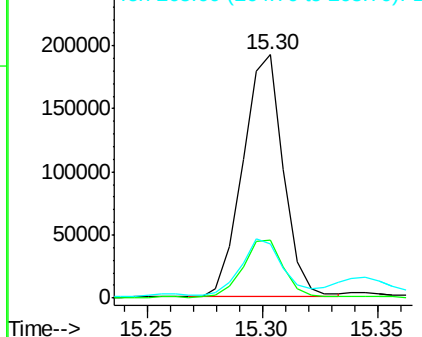
Lab File: BF102202.D

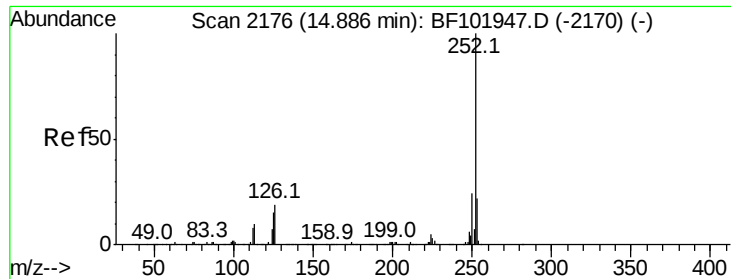
Acq: 18 Jan 2018 20:07

Tgt Ion:	264	Resp:	233318
Ion Ratio	Lower	Upper	
264	100		
260	23.8	19.2	28.8
265	22.5	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: 54.008 ng m

RT: 14.90 min Scan# 2178

Delta R.T. 0.01 min

Lab File: BF102202.D

Acq: 18 Jan 2018 20:07

Instrument :

BNA_F

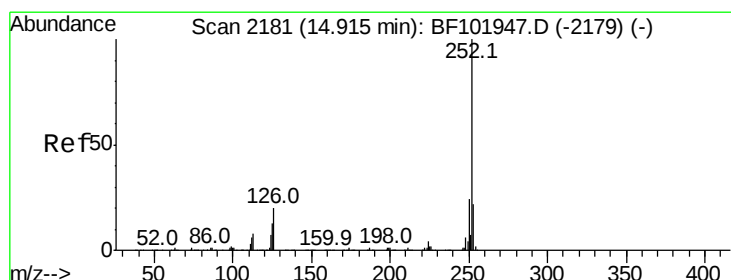
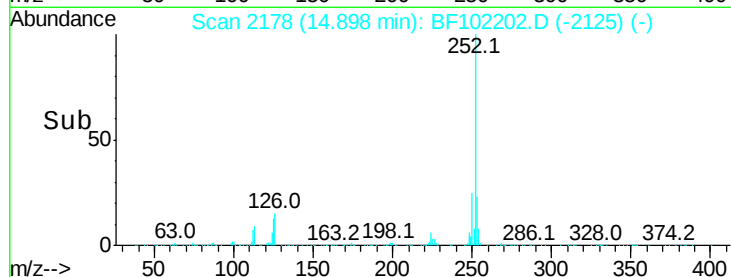
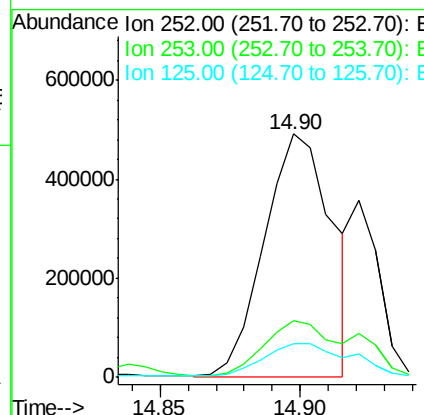
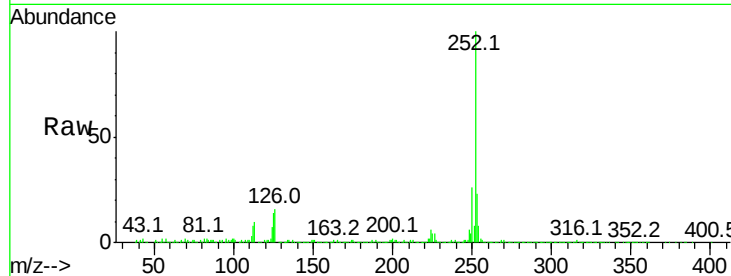
ClientSampleId :

EPE-125-9(5-10)

Tot Ion:	252	Resp:	821634
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.0	25.6
125	14.0	9.0	13.6

Manual Integrations
APPROVED

Sohil
1/19/2018 9:47:38 AM



#88

Benzo(k)fluoranthene

Concen: 16.787 ng m

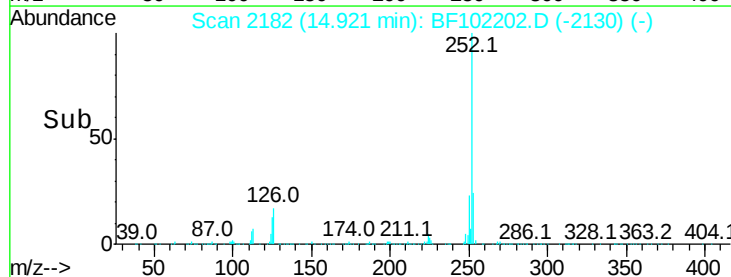
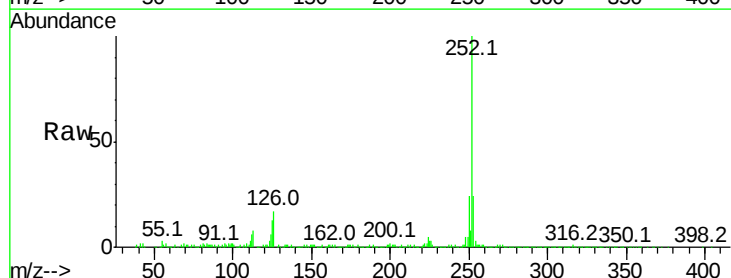
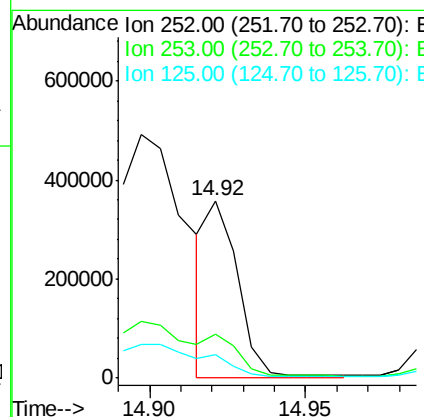
RT: 14.92 min Scan# 2182

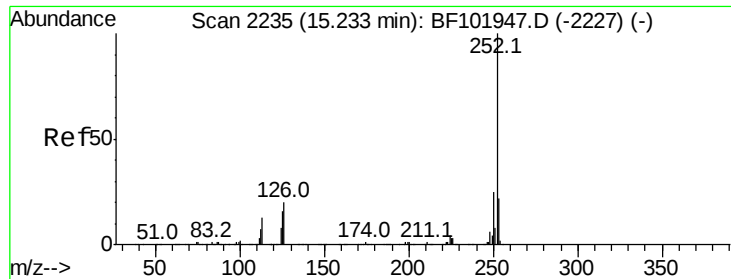
Delta R.T. 0.01 min

Lab File: BF102202.D

Acq: 18 Jan 2018 20:07

Tgt Ion:	252	Resp:	246356
Ion Ratio	Lower	Upper	
252	100		
253	24.5	17.9	26.9
125	13.4	10.2	15.2





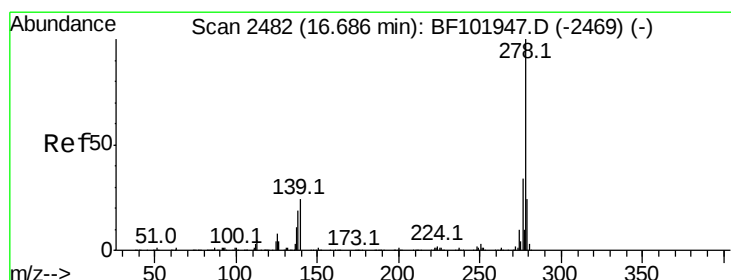
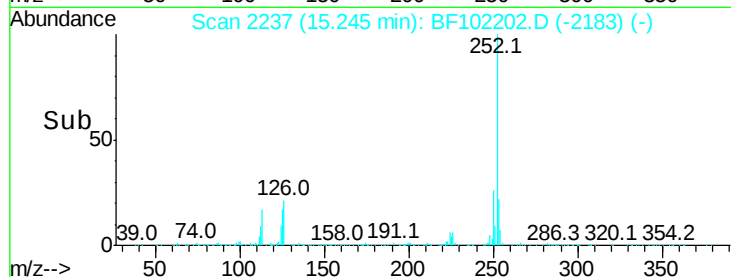
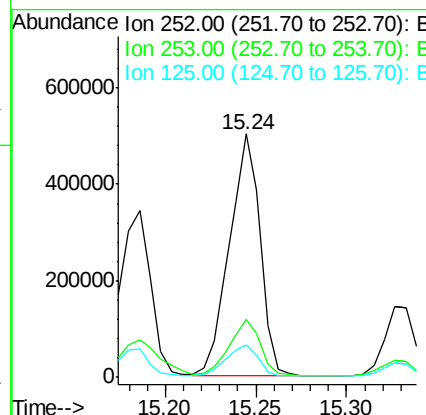
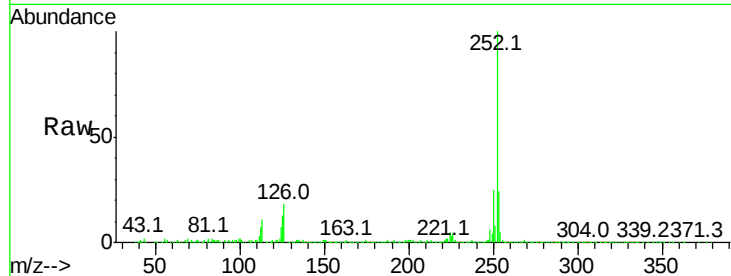
#89
Benzo(a)pyrene
Concen: 43.253 ng
RT: 15.24 min Scan# 2237
Delta R.T. 0.02 min
Lab File: BF102202.D
Acq: 18 Jan 2018 20:07

Instrument :
BNA_F
ClientSampleId :
EPE-125-9(5-10)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.1	25.7
125	13.3	9.8	14.6

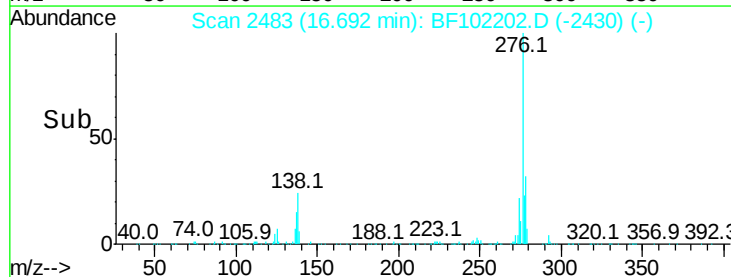
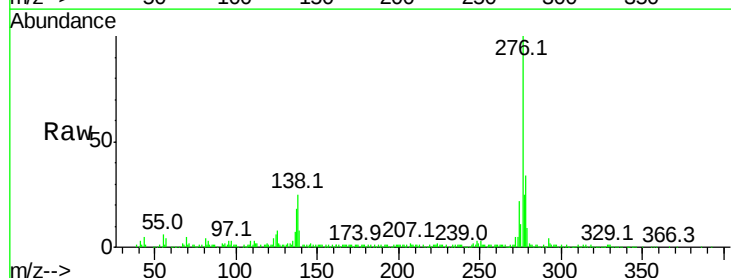
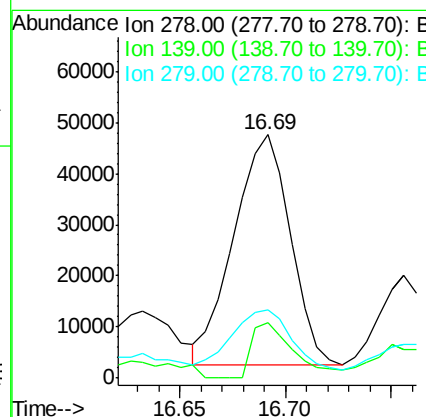
Manual Integrations
APPROVED

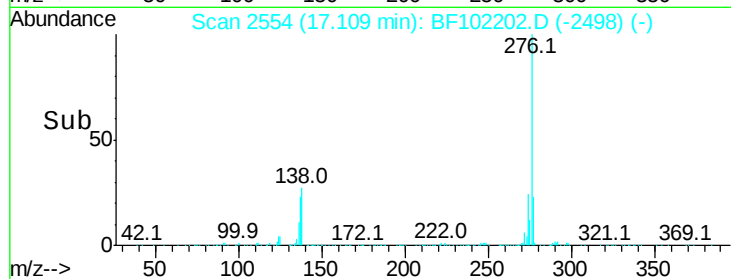
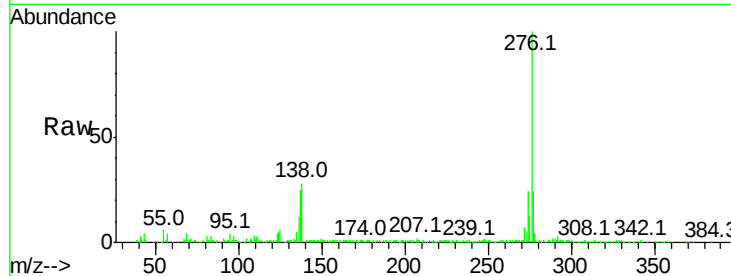
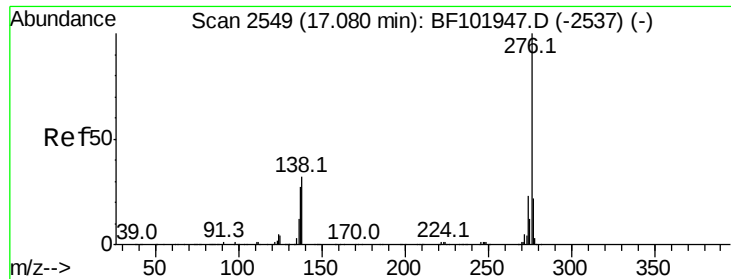
Sohil
1/19/2018 9:47:38 AM



#90
Dibenzo(a,h)anthracene
Concen: 7.654 ng
RT: 16.69 min Scan# 2483
Delta R.T. 0.01 min
Lab File: BF102202.D
Acq: 18 Jan 2018 20:07

Tgt Ion	Ratio	Lower	Upper
278	100		
139	22.6	15.9	23.9
279	28.1	19.0	28.4





#91

Benzo(a,h,i)perylene

Concen: 26.999 ng

RT: 17.11 min Scan# 2554

Delta R.T. 0.03 min

Lab File: BF102202.D

Acq: 18 Jan 2018 20:07

Tot Ion	Ratio	Resp	Lower	Upper
276	100	297121		
277	24.5	17.9	26.9	
138	28.1	21.8	32.8	

Instrument :

BNA_F

ClientSampled :

EPE-125-9(5-10)

Manual Integrations
APPROVED

Sohil
1/19/2018 9:47:38 AM

