

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071118\
 Data File : BF107298.D
 Acq On : 11 Jul 2018 14:25
 Operator : JU/SJ
 Sample : J3933-06 2X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EP-6-N1

Manual Integrations
 APPROVED

Sohil
 7/12/2018 2:19:14 PM

Quant Time: Jul 12 03:22:26 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 29 14:38:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	62141	20.00	ng	-0.03
21) Naphthalene-d8	8.21	136	245617	20.00	ng	-0.04
38) Acenaphthene-d10	9.98	164	121455	20.00	ng	-0.03
63) Phenanthrene-d10	11.48	188	210092	20.00	ng	-0.02
75) Chrysene-d12	14.15	240	166999	20.00	ng	-0.02
86) Perylene-d12	15.69	264	197103	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	156153	42.55	ng	-0.04
7) Phenol-d6	6.57	99	199791	43.60	ng	-0.04
23) Nitrobenzene-d5	7.50	82	123986	28.05	ng	-0.04
41) 2,4,6-Tribromophenol	10.78	330	54043	38.39	ng	-0.02
44) 2-Fluorobiphenyl	9.29	172	242402	23.03	ng	-0.03
78) Terphenyl-d14	13.06	244	220858	32.04	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	8.24	128	170989	14.890	ng	99
37) 2-Methylnaphthalene	8.93	142	54053	7.102	ng	95
45) 1,1'-Biphenyl	9.39	154	22154	2.289	ng	97
49) Dimethylphthalate	9.68	163	46520	5.107	ng	98
51) Acenaphthene	10.01	154	91670	12.102	ng	98
54) Dibenzofuran	10.18	168	175280	16.899	ng	95
57) Fluorene	10.53	166	121591	14.773	ng	99
70) Phenanthrene	11.51	178	1250544	123.411	ng	99
71) Anthracene	11.56	178	409711	39.612	ng	99
72) Carbazole	11.71	167	169755	17.530	ng	98
74) Fluoranthene	12.71	202	1296182	116.054	ng	96
77) Pvrene	12.94	202	1176616	106.844	ng	98
80) Benzo(a)anthracene	14.14	228	784535	77.080	ng	98
82) Chrysene	14.17	228	697365m	74.475	ng	
85) Indeno(1,2,3-cd)pyrene	17.29	276	385084	48.460	ng	# 86
87) Benzo(b)fluoranthene	15.24	252	961010m	78.489	ng	
88) Benzo(k)fluoranthene	15.27	252	340079m	29.167	ng	
89) Benzo(a)pyrene	15.64	252	749758m	68.883	ng	
90) Dibenzo(a,h)anthracene	17.29	278	104250	11.301	ng	# 76
91) Benzo(a,h,i)perylene	17.78	276	343861	38.138	ng	# 88

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

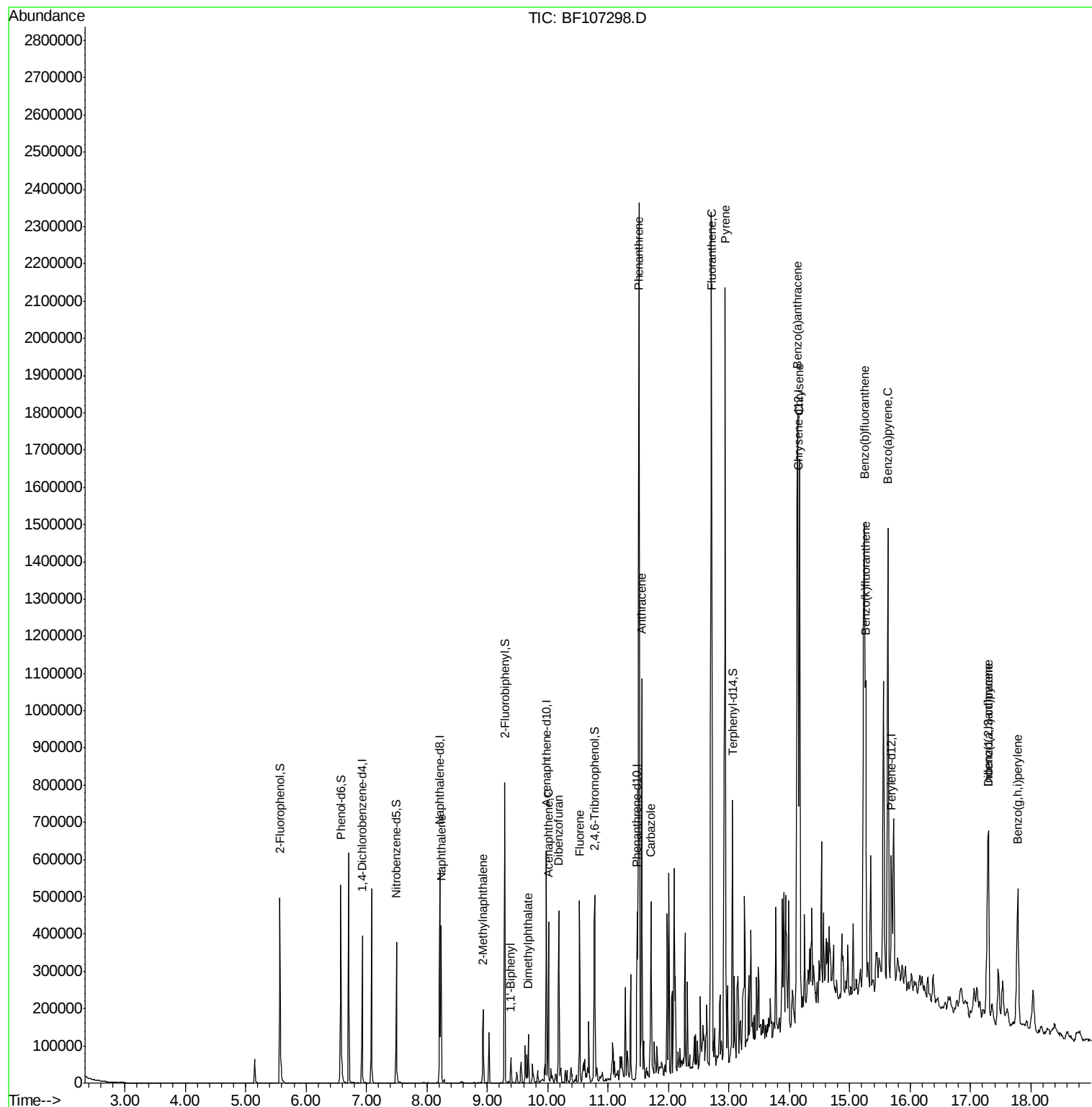
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071118\
Data File : BF107298.D
Acq On : 11 Jul 2018 14:25
Operator : JU/SJ
Sample : J3933-06 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
EP-6-N1

Manual Integrations
APPROVED

Sohil
7/12/2018 2:19:14 PM

Quant Time: Jul 12 03:22:26 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 29 14:38:29 2018
Response via : Initial Calibration





#1

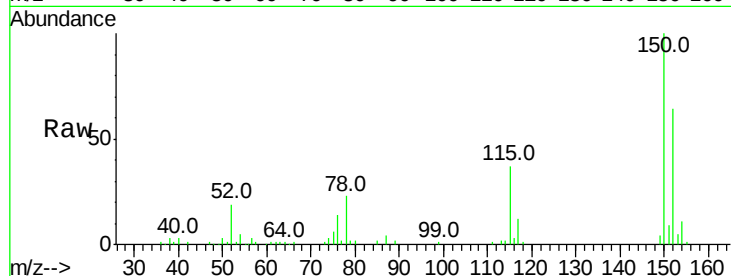
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 781
Delta R.T. -0.03 min
Lab File: BF107298.D
Acq: 11 Jul 2018 14:25

Instrument :
BNA_F
ClientSampled :
EP-6-N1

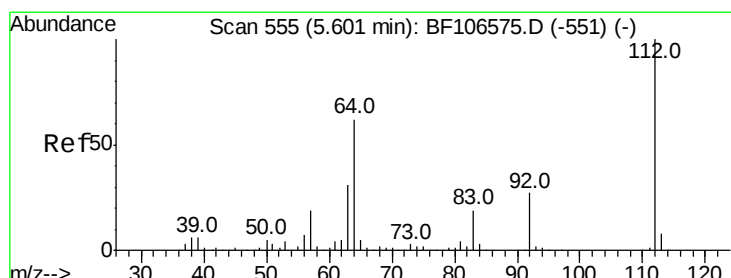
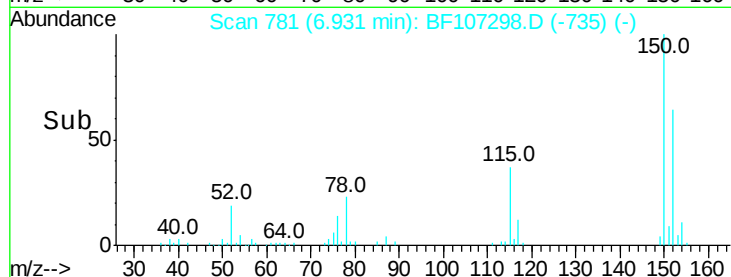
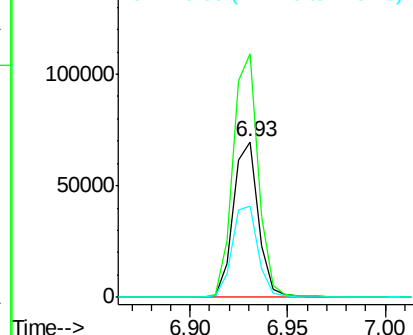
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.4	124.6	186.8
115	58.5	50.1	75.1

Manual Integrations
APPROVED

Sohil
7/12/2018 2:19:14 PM



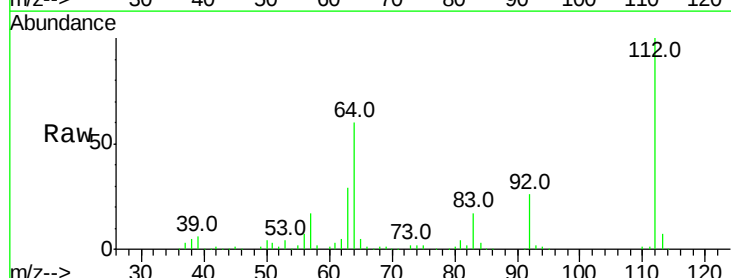
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



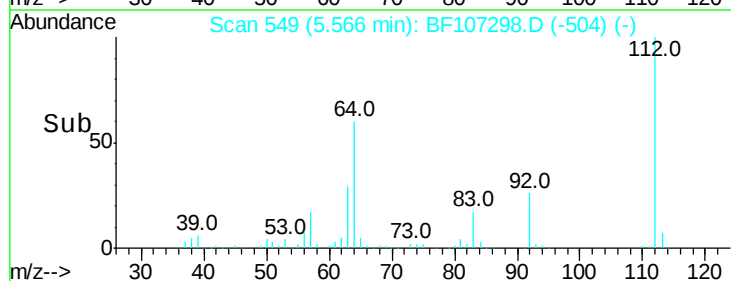
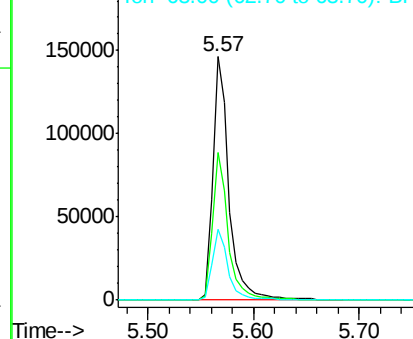
#5

2-Fluorophenol
Concen: 42.551 ng
RT: 5.57 min Scan# 549
Delta R.T. -0.04 min
Lab File: BF107298.D
Acq: 11 Jul 2018 14:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.5	47.9	71.9
63	29.2	23.7	35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 43.595 ng

RT: 6.57 min Scan# 720

Delta R.T. -0.04 min

Lab File: BF107298.D

Acq: 11 Jul 2018 14:25

Instrument :

BNA_F

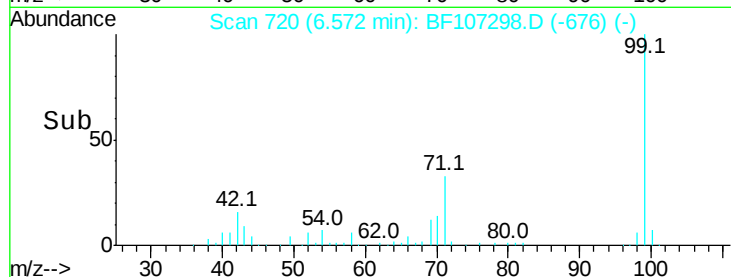
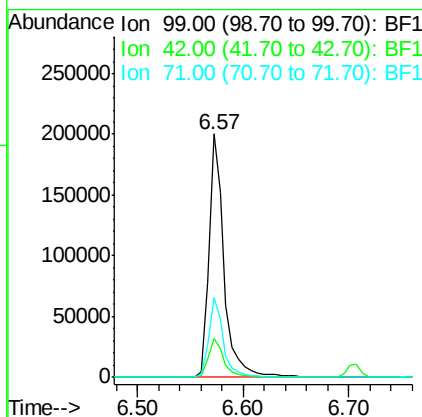
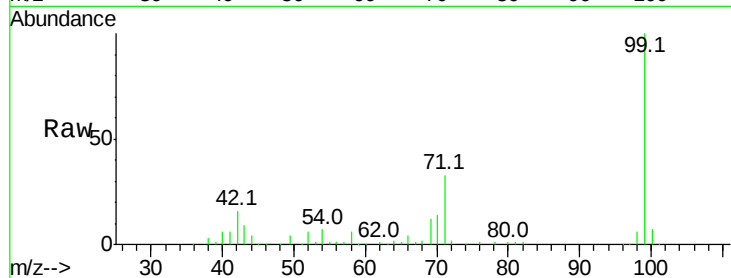
ClientSampled :

EP-6-N1

Tot Ion:	99	Resp:	199791
Ion Ratio	Lower	Upper	
99	100		
42	16.0	14.5	21.7
71	32.8	25.4	38.0

Manual Integrations
APPROVED

Sohil
7/12/2018 2:19:14 PM



#21

Naphthalene-d8

Concen: 20.000 ng

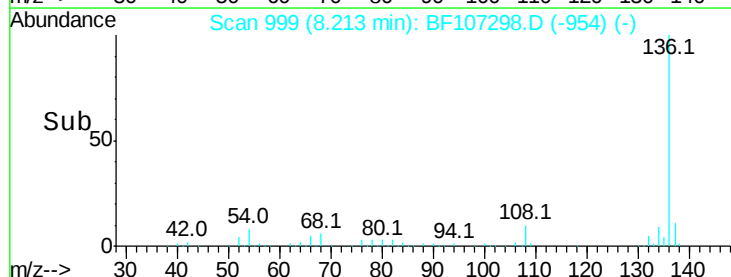
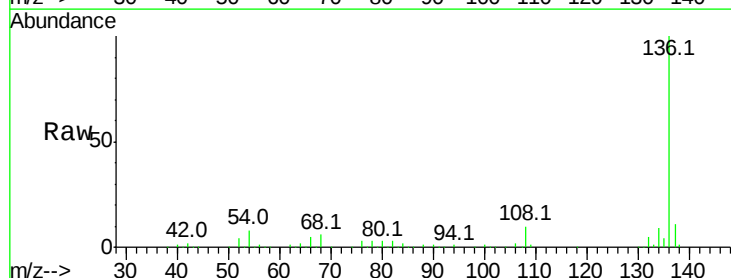
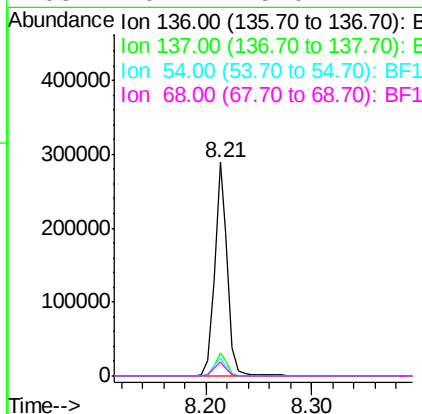
RT: 8.21 min Scan# 999

Delta R.T. -0.04 min

Lab File: BF107298.D

Acq: 11 Jul 2018 14:25

Tgt Ion:	136	Resp:	245617
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.9	13.3
54	8.4	6.6	9.8
68	6.4	5.0	7.4





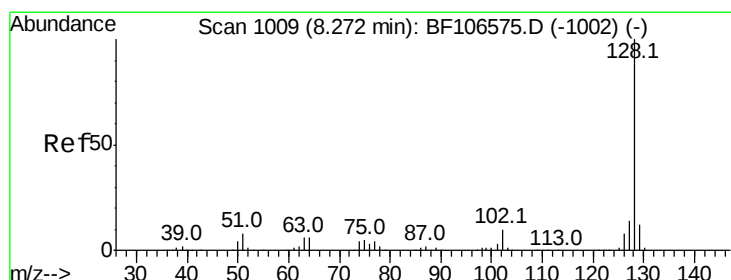
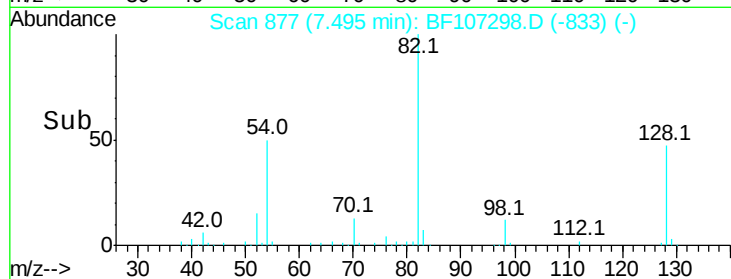
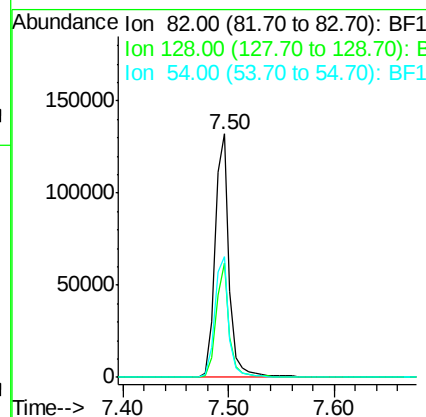
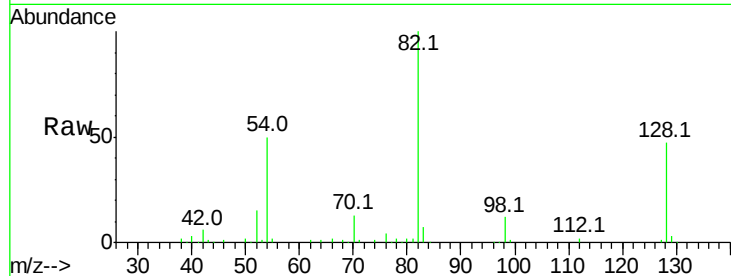
#23
Nitrobenzene-d5
Concen: 28.053 ng
RT: 7.50 min Scan# 877
Delta R.T. -0.04 min
Lab File: BF107298.D
Acq: 11 Jul 2018 14:25

Instrument :
BNA_F
ClientSampleId :
EP-6-N1

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	46.9	36.1	54.1	
54	49.6	41.4	62.2	

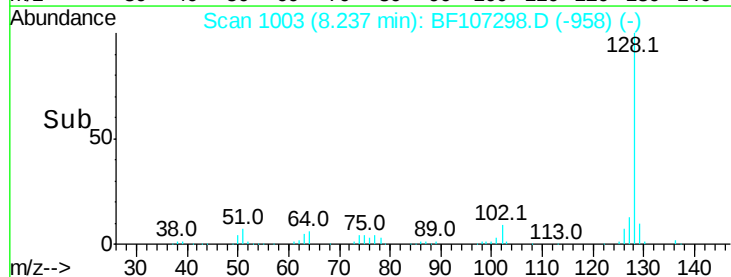
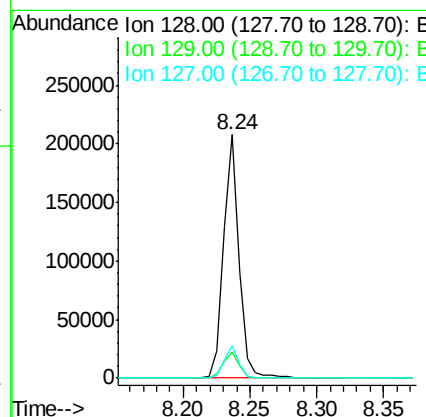
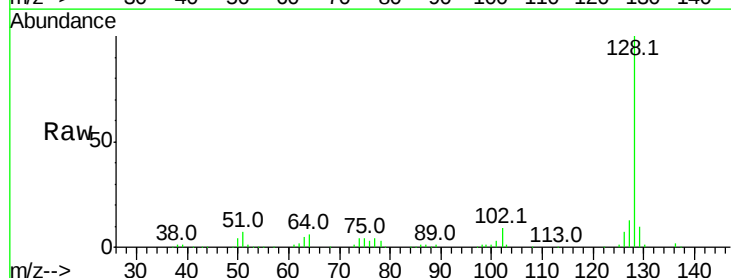
Manual Integrations
APPROVED

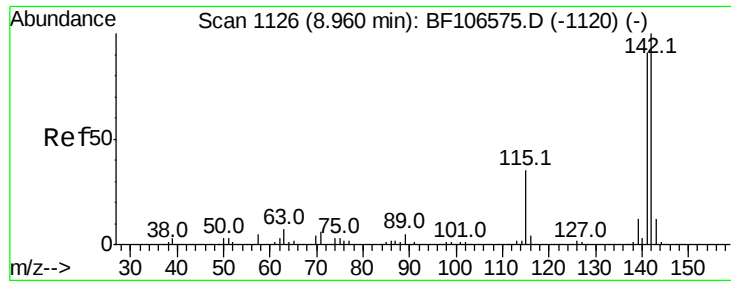
Sohil
7/12/2018 2:19:14 PM



#31
Naphthalene
Concen: 14.890 ng
RT: 8.24 min Scan# 1003
Delta R.T. -0.04 min
Lab File: BF107298.D
Acq: 11 Jul 2018 14:25

Tgt Ion	Ratio	Resp	Lower	Upper
128	100			
129	10.5	8.8	13.2	
127	13.3	10.9	16.3	





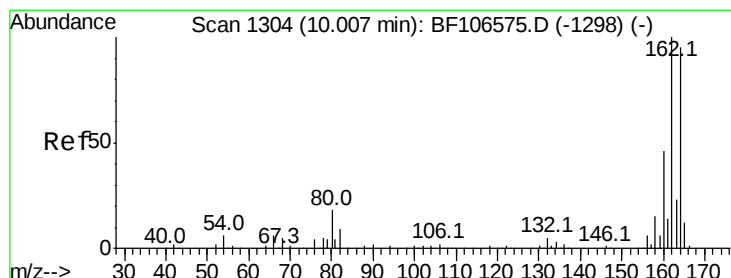
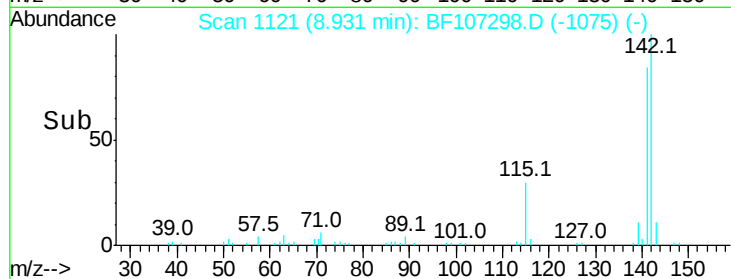
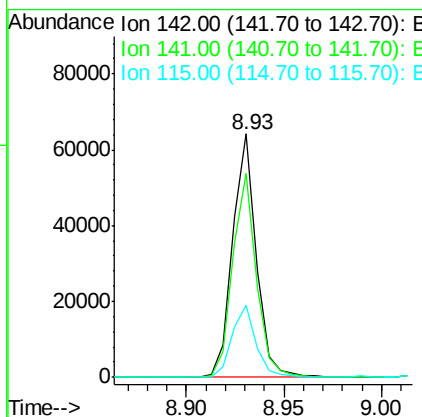
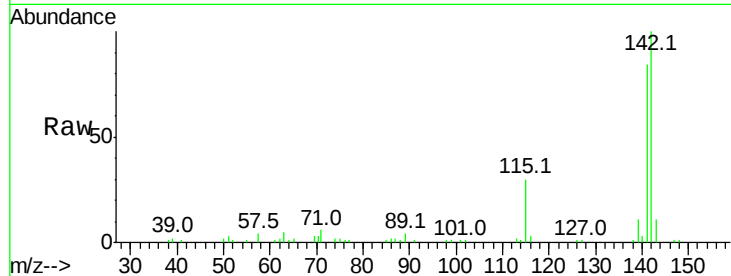
#37
2-Methylnaphthalene
Concen: 7.102 ng
RT: 8.93 min Scan# 1121
Delta R.T. -0.03 min
Lab File: BF107298.D
Acq: 11 Jul 2018 14:25

Instrument :
BNA_F
ClientSampleId :
EP-6-N1

Tot Ion	Ratio	Lower	Upper
142	100		
141	84.0	70.8	106.2
115	29.9	26.1	39.1

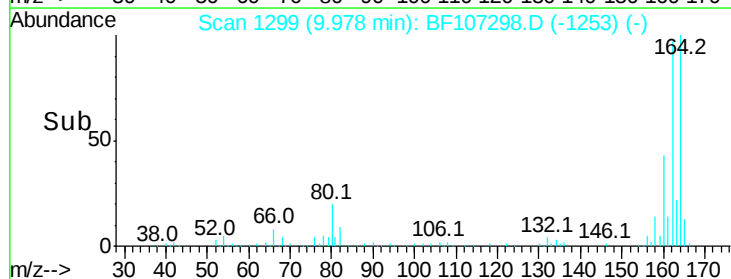
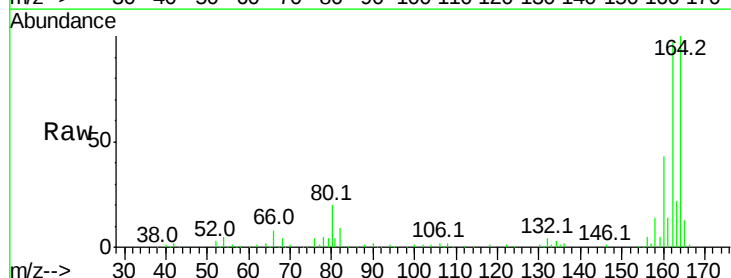
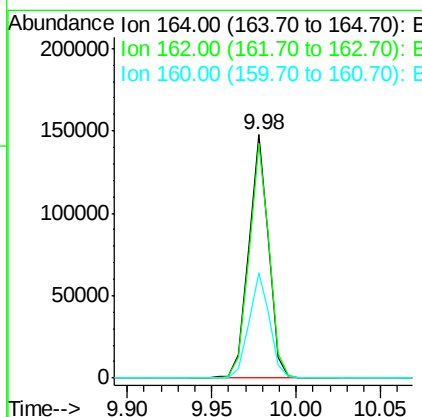
Manual Integrations
APPROVED

Sohil
7/12/2018 2:19:14 PM



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.98 min Scan# 1299
Delta R.T. -0.03 min
Lab File: BF107298.D
Acq: 11 Jul 2018 14:25

Tgt Ion	Ratio	Lower	Upper
164	100		
162	96.6	86.1	129.1
160	43.1	38.3	57.5





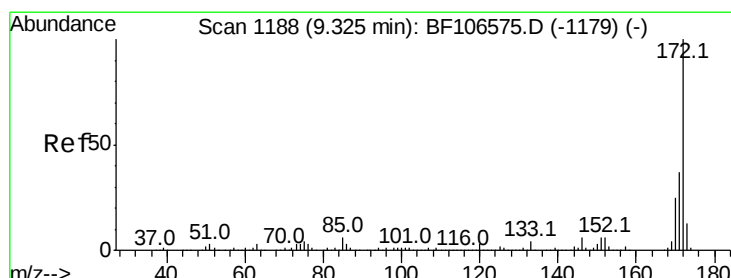
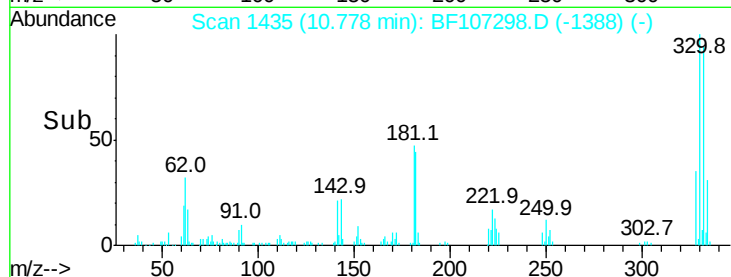
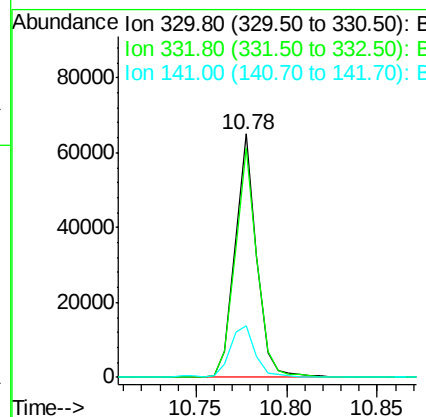
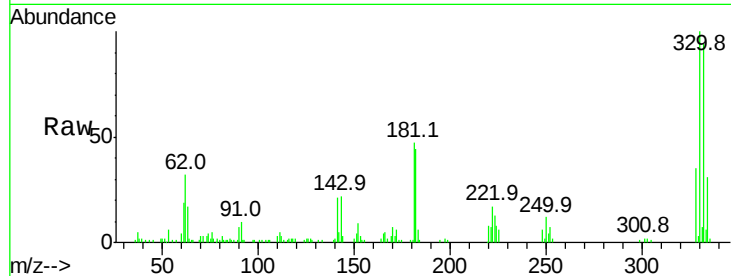
#41
 2,4,6-Tribromophenol
 Concen: 38.391 ng
 RT: 10.78 min Scan# 1435
 Delta R.T. -0.02 min
 Lab File: BF107298.D
 Acq: 11 Jul 2018 14:25

Instrument :
 BNA_F
 ClientSampled :
 EP-6-N1

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.4	77.0	115.6
141	24.8	29.9	44.9#

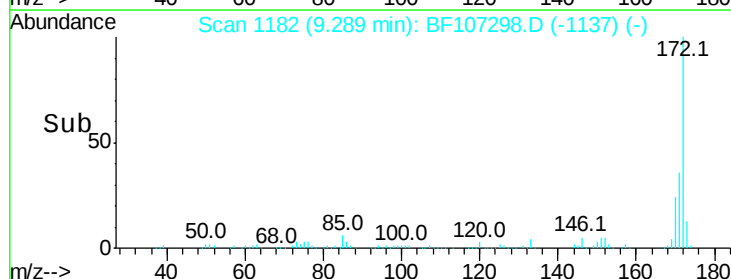
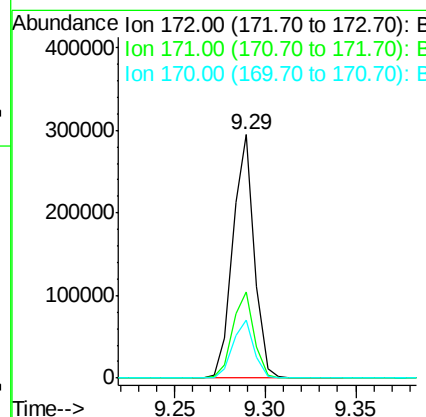
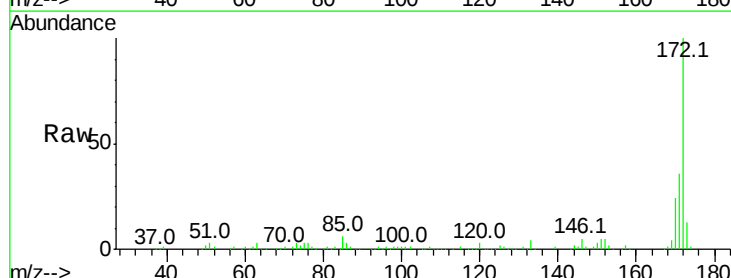
Manual Integrations
 APPROVED

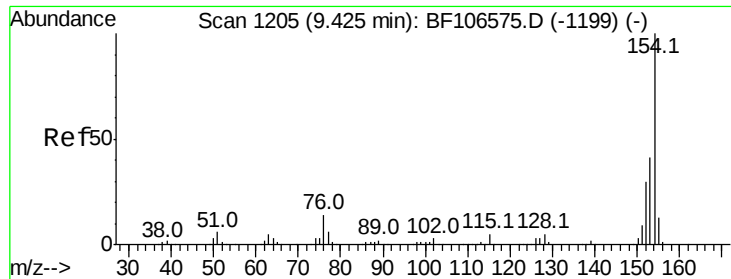
Sohil
 7/12/2018 2:19:14 PM



#44
 2-Fluorobiphenyl
 Concen: 23.027 ng
 RT: 9.29 min Scan# 1182
 Delta R.T. -0.03 min
 Lab File: BF107298.D
 Acq: 11 Jul 2018 14:25

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.7	44.5
170	24.0	19.6	29.4





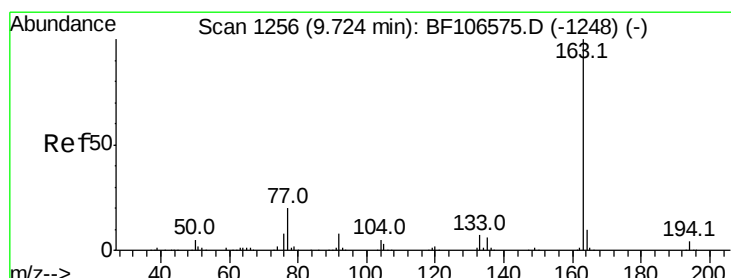
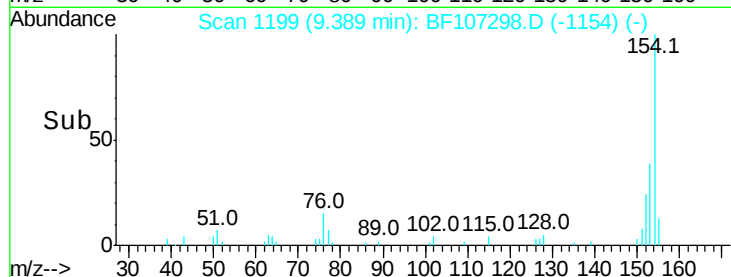
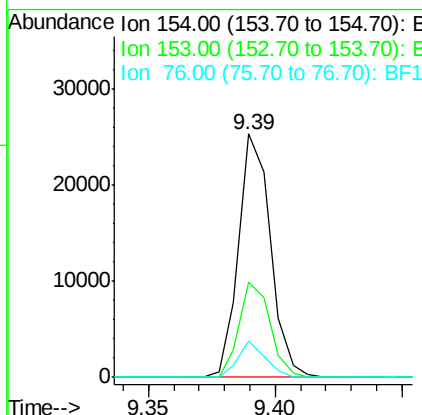
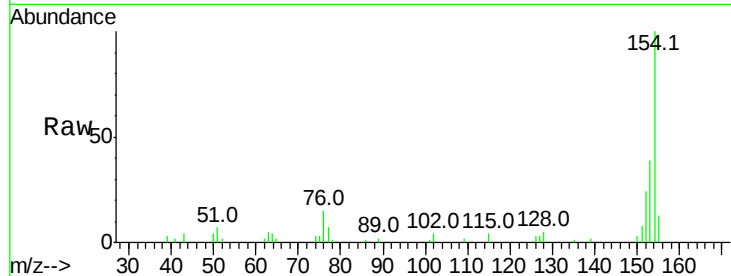
#45
 1,1'-Biphenyl
 Concen: 2.289 ng
 RT: 9.39 min Scan# 1199
 Delta R.T. -0.04 min
 Lab File: BF107298.D
 Acq: 11 Jul 2018 14:25

Instrument :
 BNA_F
 ClientSampleId :
 EP-6-N1

Tot Ion	Ratio	Lower	Upper
154	100		
153	38.8	21.3	61.3
76	14.9	0.0	34.0

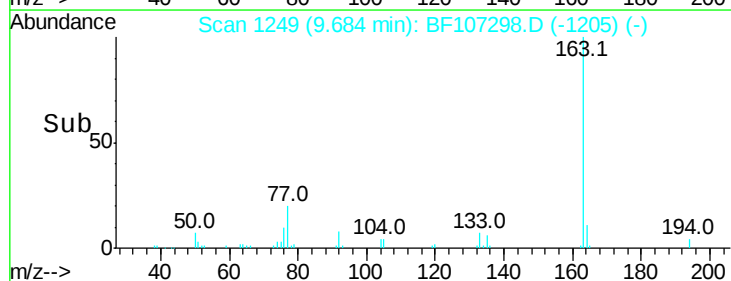
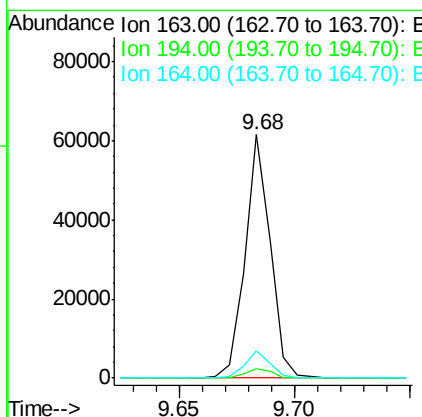
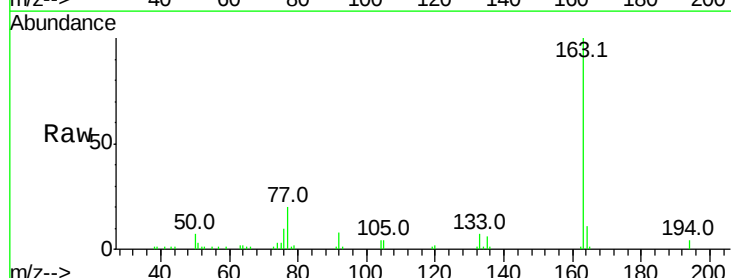
Manual Integrations
 APPROVED

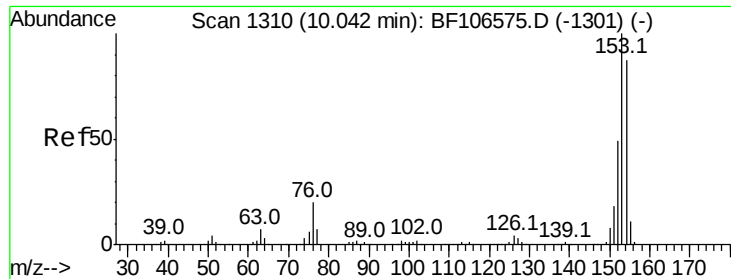
Sohil
 7/12/2018 2:19:14 PM



#49
 Dimethylphthalate
 Concen: 5.107 ng
 RT: 9.68 min Scan# 1249
 Delta R.T. -0.04 min
 Lab File: BF107298.D
 Acq: 11 Jul 2018 14:25

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.7	4.1
164	11.2	8.2	12.2





#51

Acenaphthene

Concen: 12.102 ng

RT: 10.01 min Scan# 1305

Delta R.T. -0.03 min

Lab File: BF107298.D

Acq: 11 Jul 2018 14:25

Instrument :

BNA_F

ClientSampleId :

EP-6-N1

Tot Ion:154 Resp: 91670

Ion Ratio Lower Upper

154 100

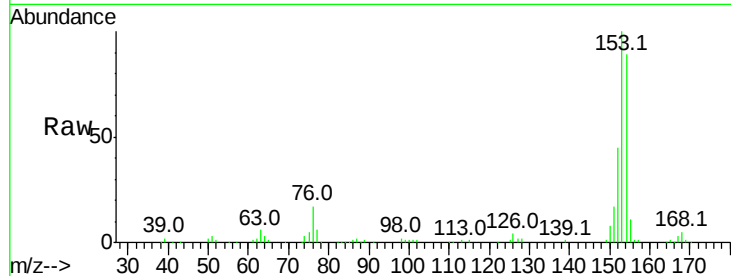
153 112.8 91.2 136.8

152 51.1 43.8 65.8

Manual Integrations
APPROVED

Sohil

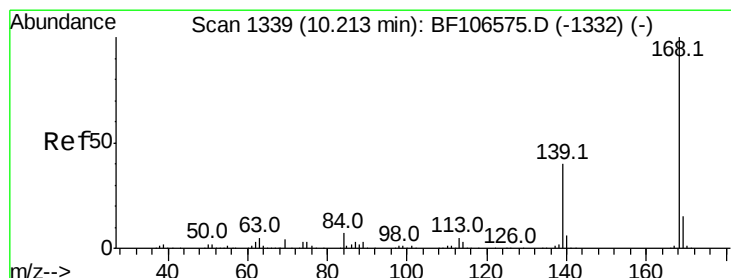
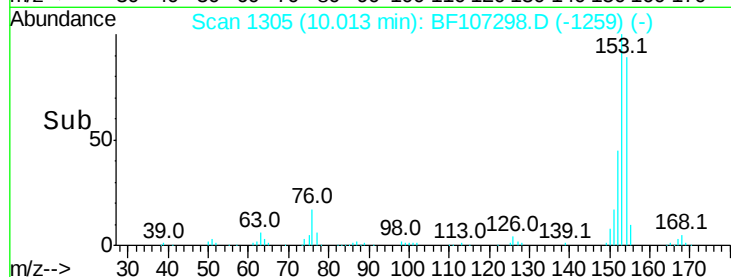
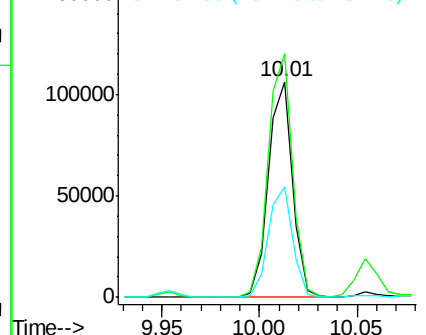
7/12/2018 2:19:14 PM



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 16.899 ng

RT: 10.18 min Scan# 1334

Delta R.T. -0.03 min

Lab File: BF107298.D

Acq: 11 Jul 2018 14:25

Tgt Ion:168 Resp: 175280

Ion Ratio Lower Upper

168 100

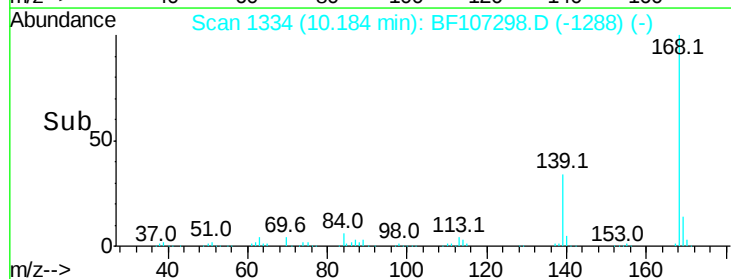
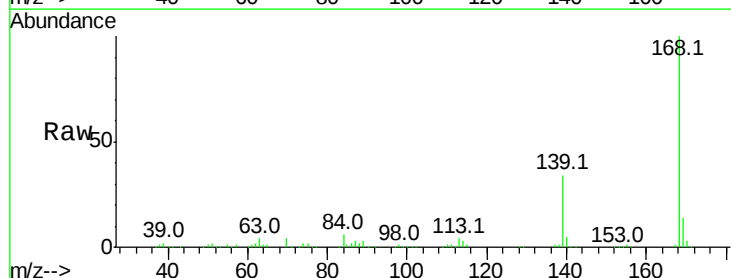
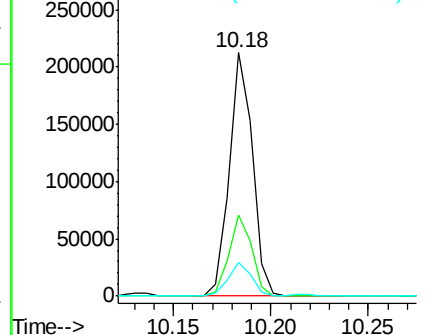
139 33.5 30.1 45.1

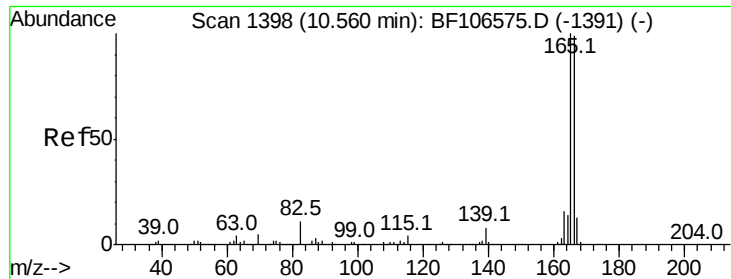
169 13.7 10.9 16.3

Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





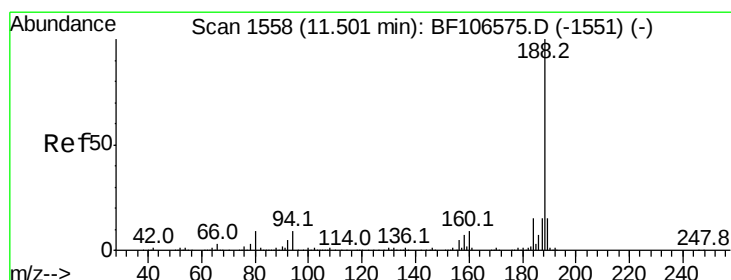
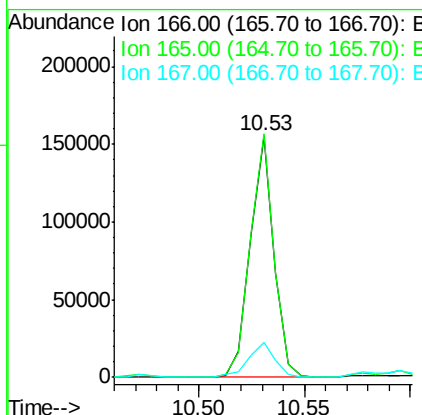
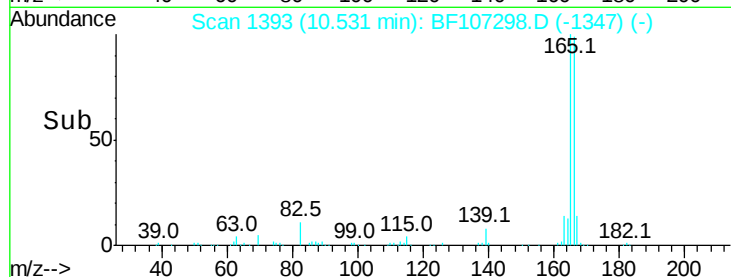
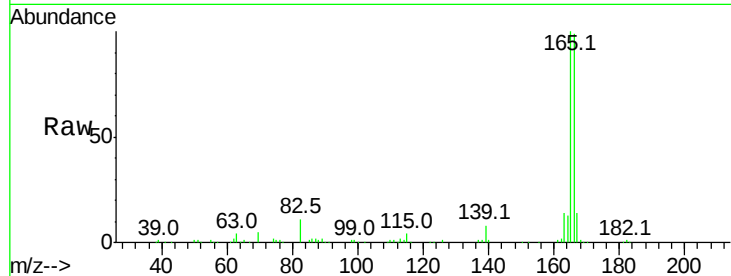
#57
 Fluorene
 Concen: 14.773 ng
 RT: 10.53 min Scan# 1393
 Delta R.T. -0.03 min
 Lab File: BF107298.D
 Acq: 11 Jul 2018 14:25

Instrument :
 BNA_F
 ClientSampleId :
 EP-6-N1

Tot Ion	Ratio	Resp	Lower	Upper
166	100			
165	100.8	79.8	119.8	
167	14.4	10.6	16.0	

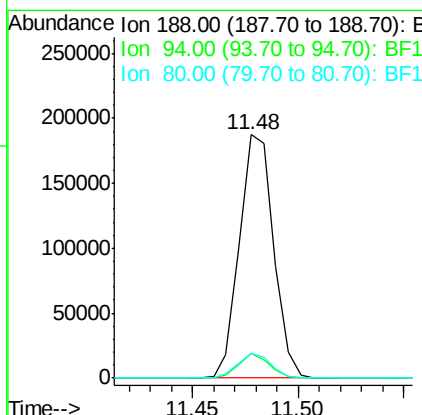
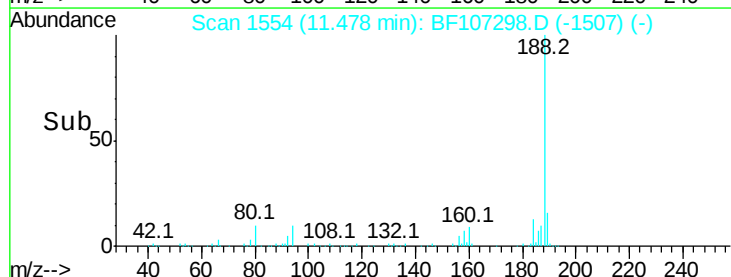
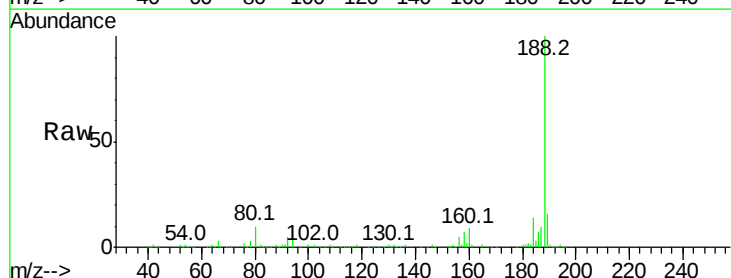
Manual Integrations
 APPROVED

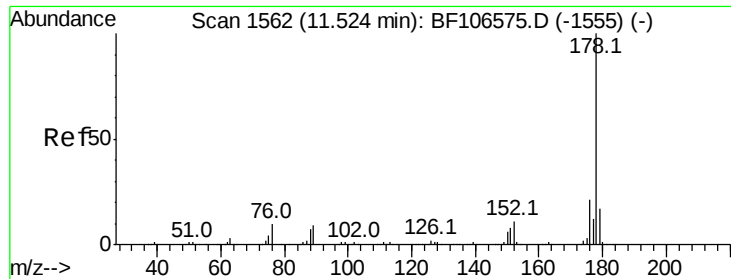
Sohil
 7/12/2018 2:19:14 PM



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.48 min Scan# 1554
 Delta R.T. -0.02 min
 Lab File: BF107298.D
 Acq: 11 Jul 2018 14:25

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	10.0	8.5	12.7	
80	10.3	9.2	13.8	





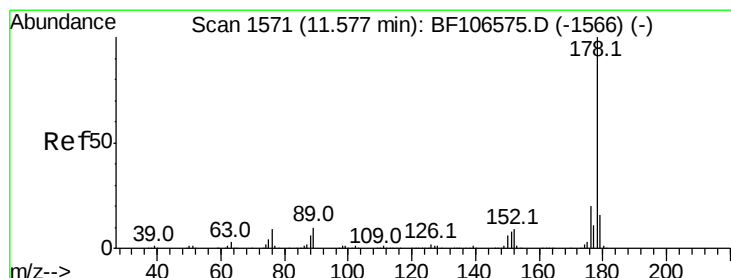
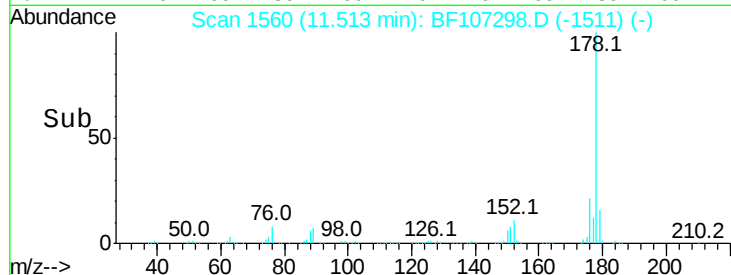
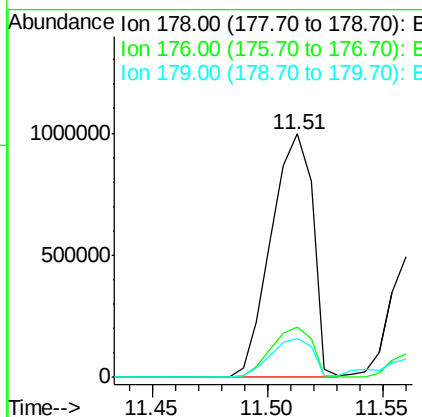
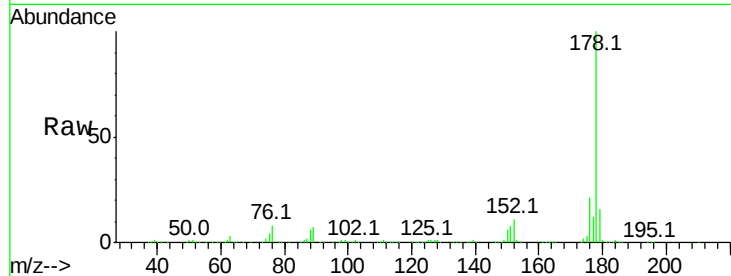
#70
Phenanthrene
Concen: 123.411 ng
RT: 11.51 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF107298.D
Acq: 11 Jul 2018 14:25

Instrument :
BNA_F
ClientSampled :
EP-6-N1

Tot Ion:178 Resp: 1250544
Ion Ratio Lower Upper
178 100
176 20.8 15.8 23.8
179 16.2 13.0 19.6

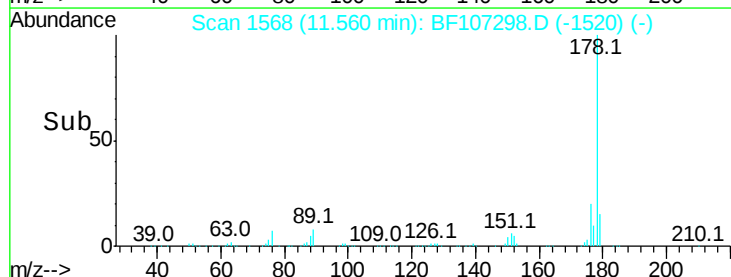
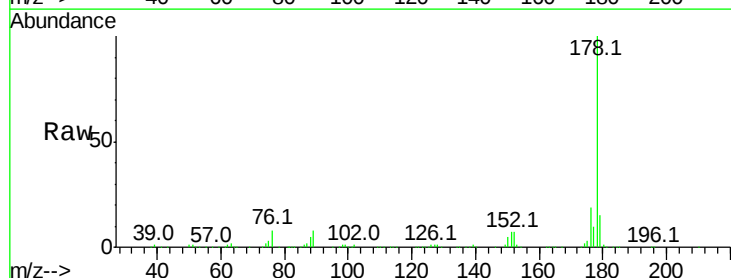
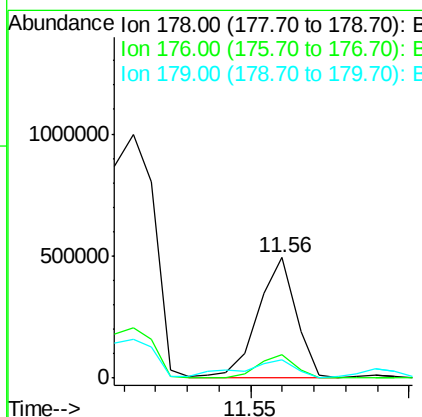
Manual Integrations
APPROVED

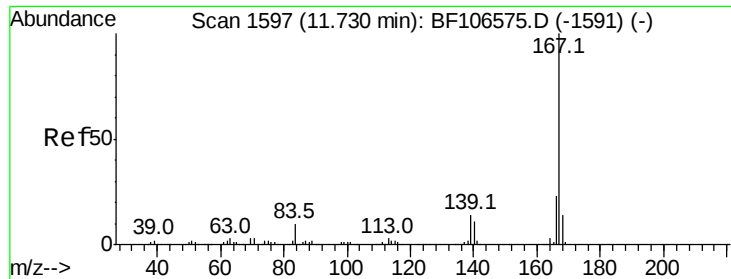
Sohil
7/12/2018 2:19:14 PM



#71
Anthracene
Concen: 39.612 ng
RT: 11.56 min Scan# 1568
Delta R.T. -0.02 min
Lab File: BF107298.D
Acq: 11 Jul 2018 14:25

Tgt Ion:178 Resp: 409711
Ion Ratio Lower Upper
178 100
176 19.5 15.4 23.2
179 15.2 12.6 19.0





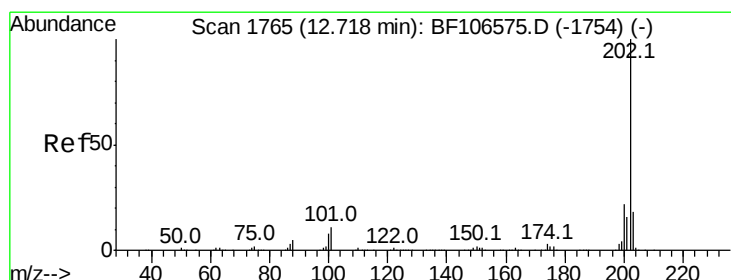
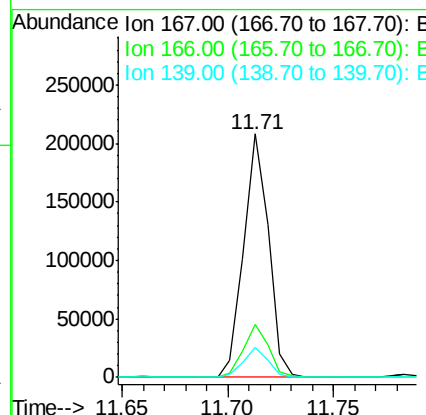
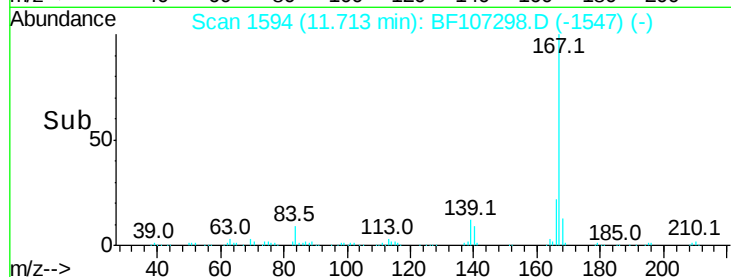
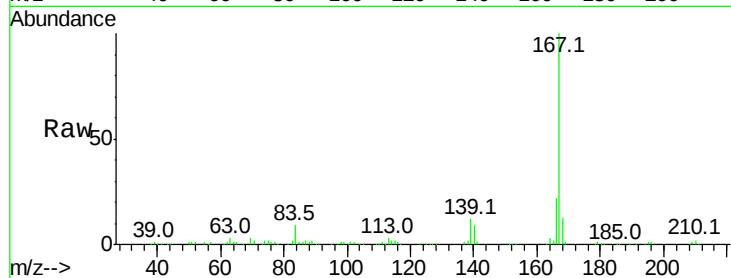
#72
 Carbazole
 Concen: 17.530 ng
 RT: 11.71 min Scan# 1594
 Delta R.T. -0.02 min
 Lab File: BF107298.D
 Acq: 11 Jul 2018 14:25

Instrument :
 BNA_F
 ClientSampled :
 EP-6-N1

Tot Ion	Ratio	Resp	Lower	Upper
167	100			
166	21.7		17.6	26.4
139	12.2		10.9	16.3

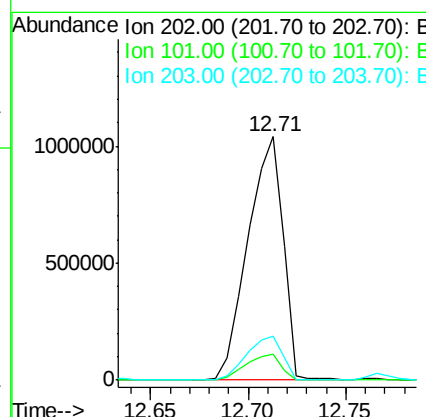
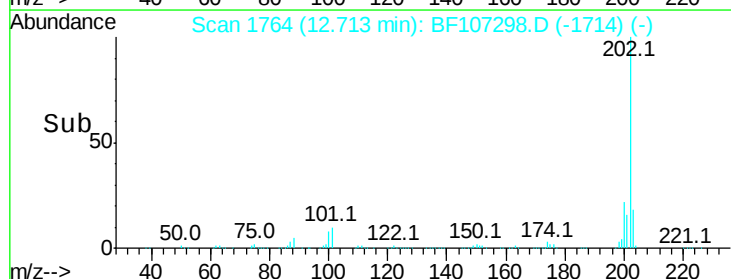
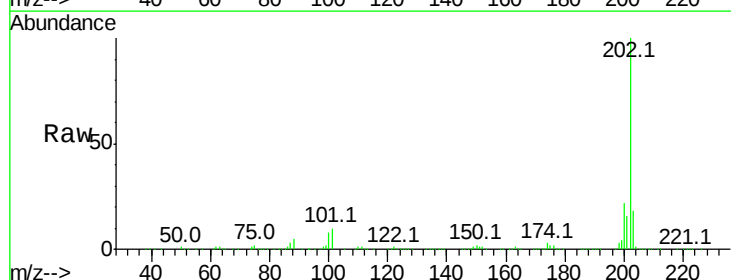
Manual Integrations
 APPROVED

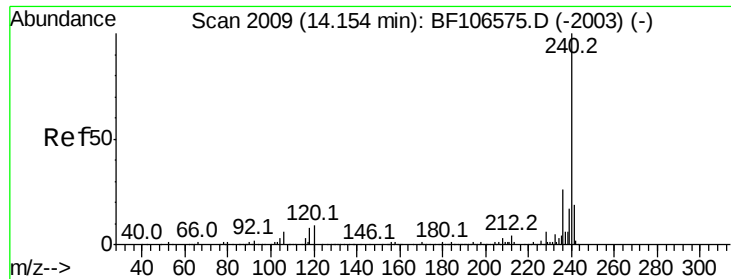
Sohil
 7/12/2018 2:19:14 PM



#74
 Fluoranthene
 Concen: 116.054 ng
 RT: 12.71 min Scan# 1764
 Delta R.T. -0.01 min
 Lab File: BF107298.D
 Acq: 11 Jul 2018 14:25

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
101	10.5		0.0	34.1
203	18.1		0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2008

Delta R.T. -0.02 min

Lab File: BF107298.D

Acq: 11 Jul 2018 14:25

Instrument :

BNA_F

ClientSampleId :

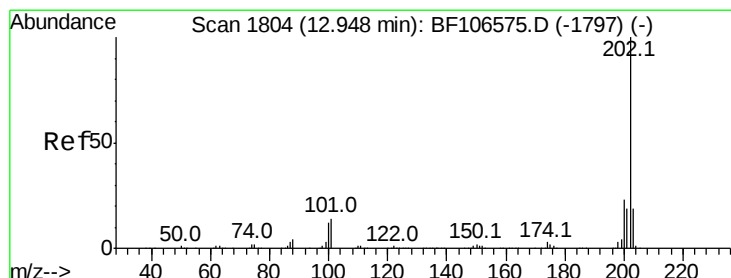
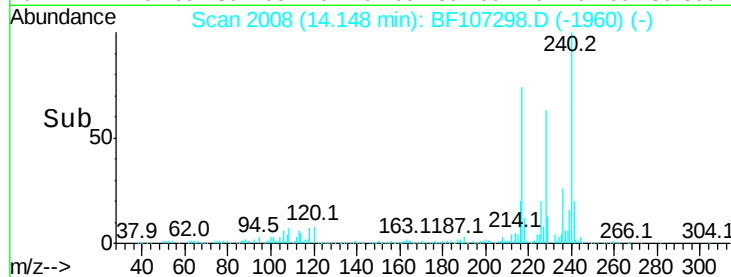
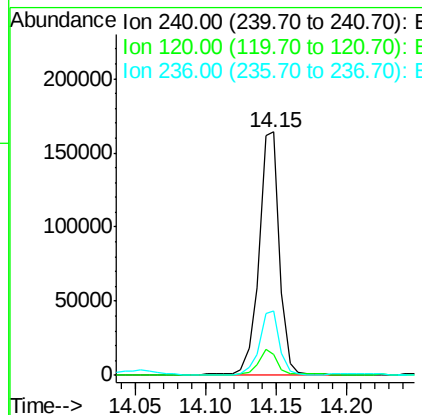
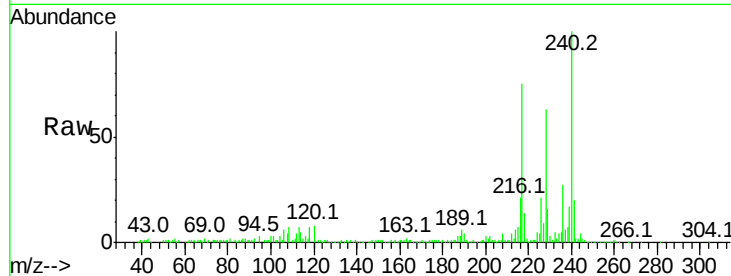
EP-6-N1

Tot Ion	Ratio	Lower	Upper
240	100		
120	8.3	9.5	14.3#
236	26.7	20.7	31.1

Manual Integrations
APPROVED

Sohil

7/12/2018 2:19:14 PM



#77

Pyrene

Concen: 106.844 ng

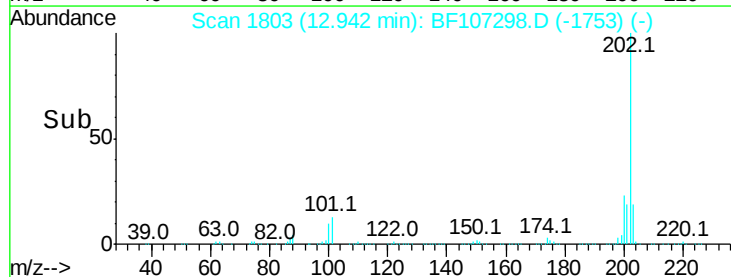
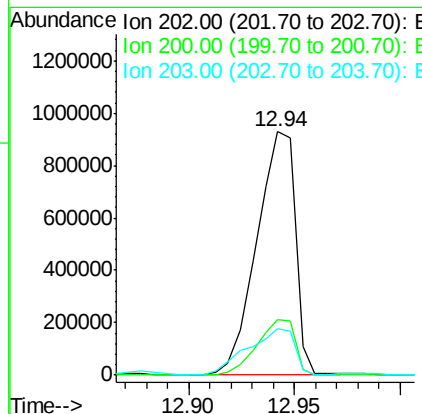
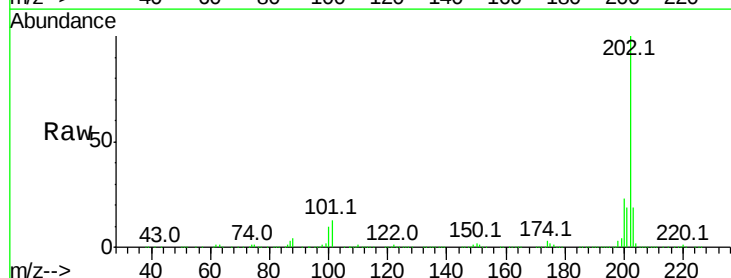
RT: 12.94 min Scan# 1803

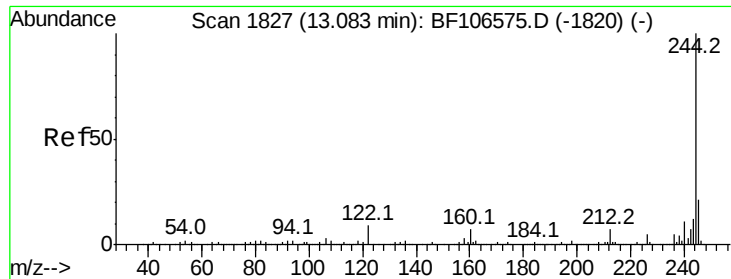
Delta R.T. -0.01 min

Lab File: BF107298.D

Acq: 11 Jul 2018 14:25

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.6	17.4	26.2
203	19.0	14.3	21.5





#78

Terphenyl-d14

Concen: 32.035 ng

RT: 13.06 min Scan# 1823

Delta R.T. -0.02 min

Lab File: BF107298.D

Acq: 11 Jul 2018 14:25

Instrument :

BNA_F

ClientSampleId :

EP-6-N1

Tot Ion:244 Resp: 220858

Ion Ratio Lower Upper

244 100

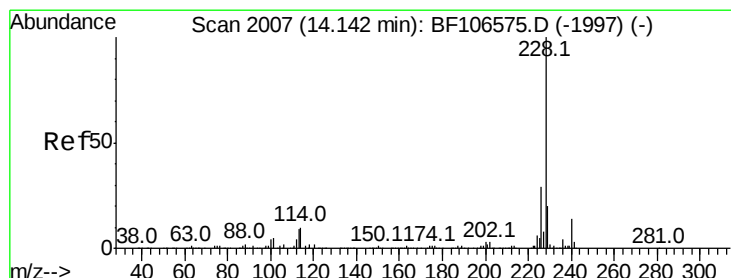
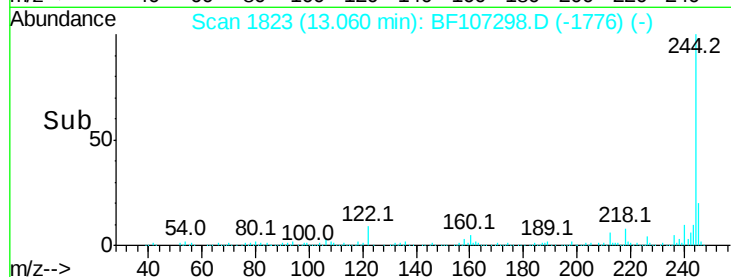
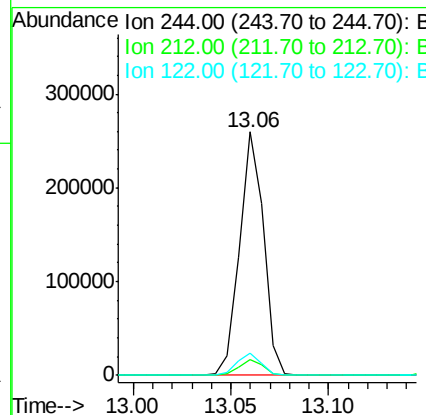
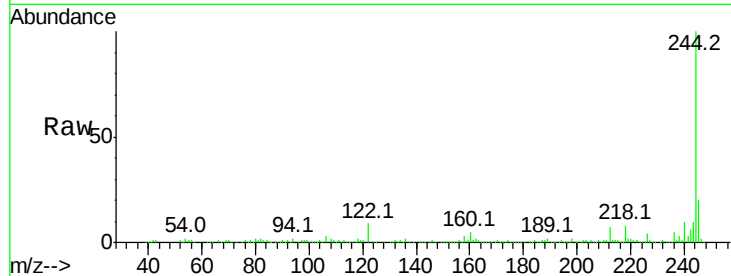
212 6.5 5.4 8.0

122 9.0 11.0 16.4#

Manual Integrations
APPROVED

Sohil

7/12/2018 2:19:14 PM



#80

Benzo(a)anthracene

Concen: 77.080 ng

RT: 14.14 min Scan# 2006

Delta R.T. -0.02 min

Lab File: BF107298.D

Acq: 11 Jul 2018 14:25

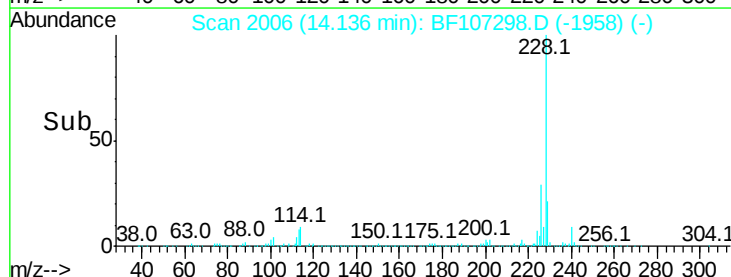
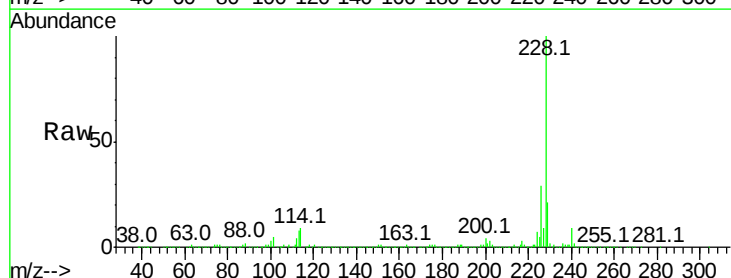
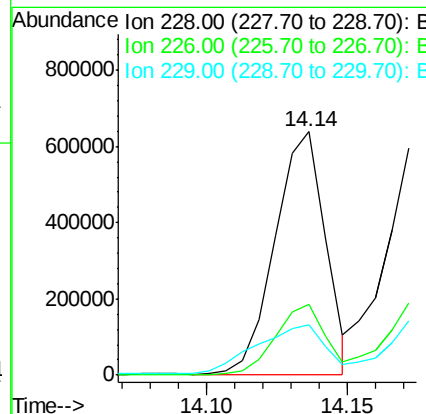
Tgt Ion:228 Resp: 784535

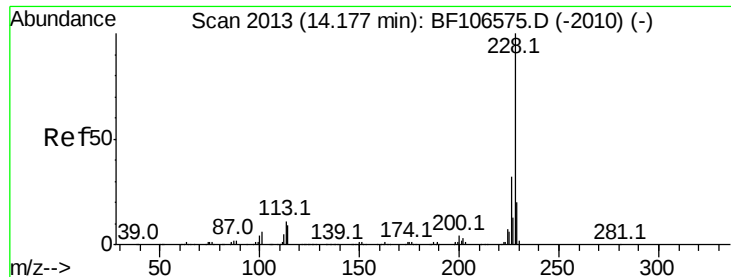
Ion Ratio Lower Upper

228 100

226 29.0 22.6 33.8

229 20.8 15.8 23.6





#82

Chrysene

Concen: 74.475 ng/mL

RT: 14.17 min Scan# 2012

Delta R.T. -0.02 min

Lab File: BF107298.D

Acq: 11 Jul 2018 14:25

Instrument :

BNA_F

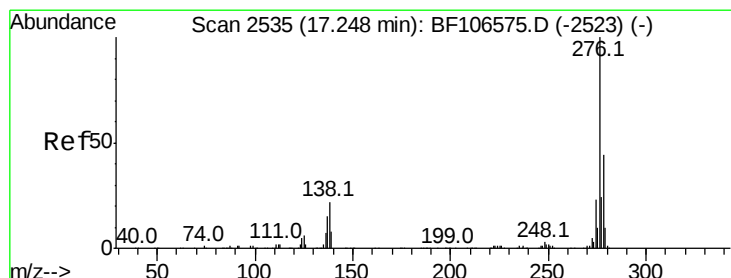
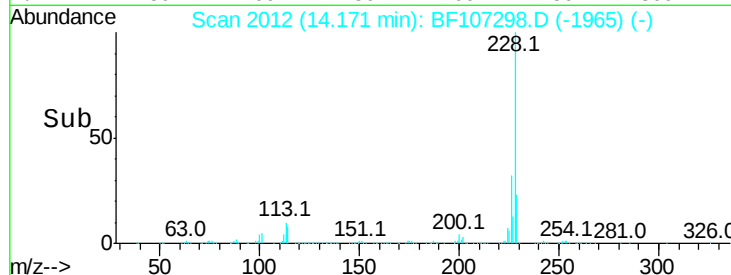
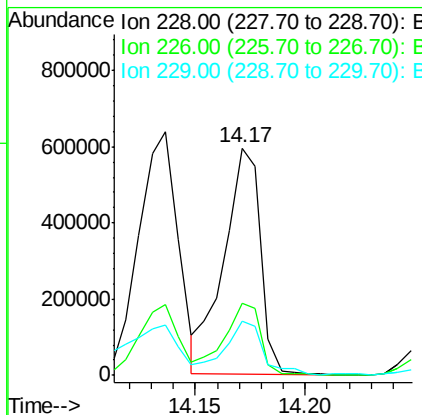
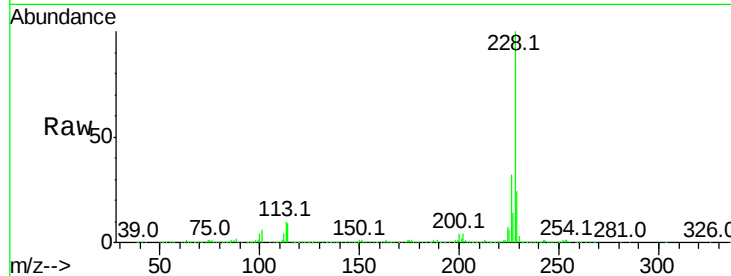
ClientSampleId :

EP-6-N1

Tot Ion:	228	Resp:	697365
Ion Ratio	Lower	Upper	
228	100		
226	31.9	25.0	37.6
229	24.0	16.2	24.4

Manual Integrations
APPROVED

Sohil
7/12/2018 2:19:14 PM



#85

Indeno(1,2,3-cd)pyrene

Concen: 48.460 ng/mL

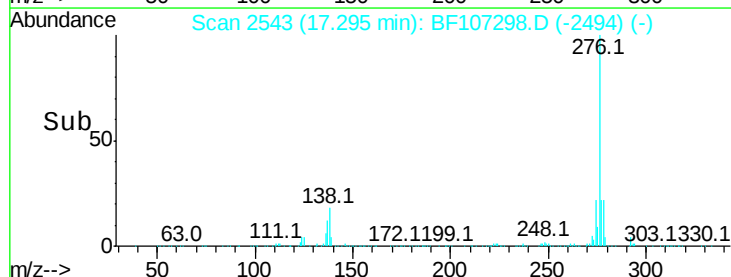
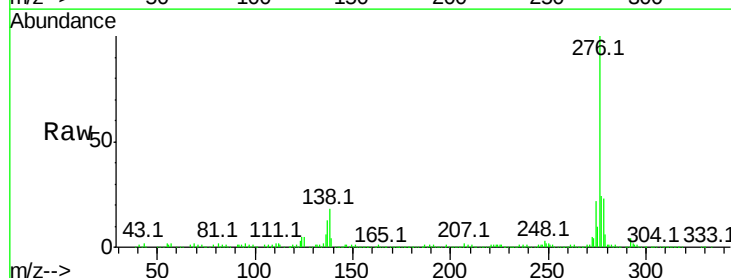
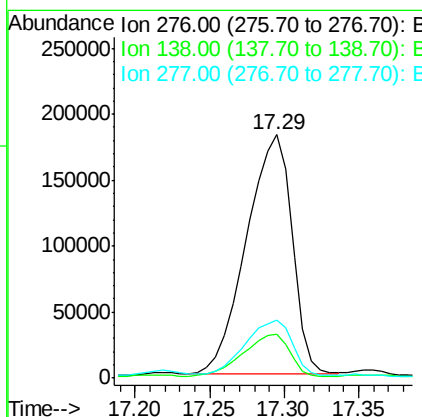
RT: 17.29 min Scan# 2543

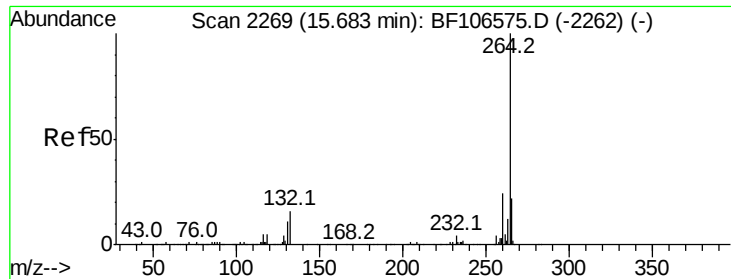
Delta R.T. -0.01 min

Lab File: BF107298.D

Acq: 11 Jul 2018 14:25

Tgt Ion:	276	Resp:	385084
Ion Ratio	Lower	Upper	
276	100		
138	18.4	25.0	37.6#
277	24.3	20.1	30.1





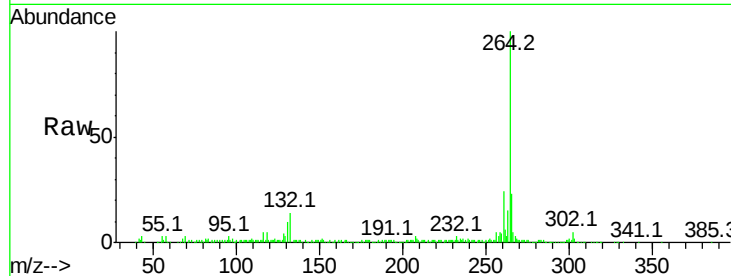
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2271
Delta R.T. -0.02 min
Lab File: BF107298.D
Acq: 11 Jul 2018 14:25

Instrument :
BNA_F
ClientSampleId :
EP-6-N1

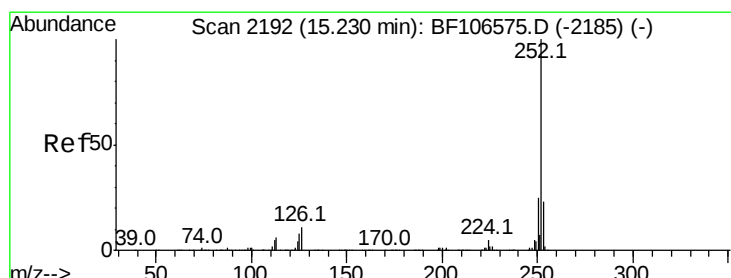
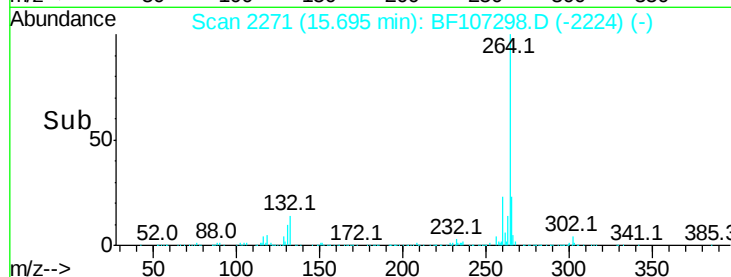
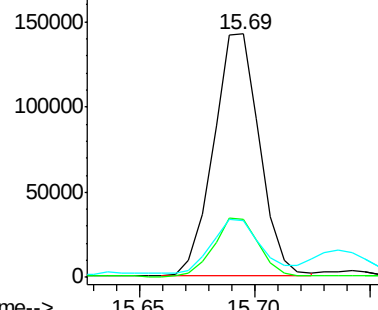
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	23.3	17.5	26.3

Manual Integrations
APPROVED

Sohil
7/12/2018 2:19:14 PM

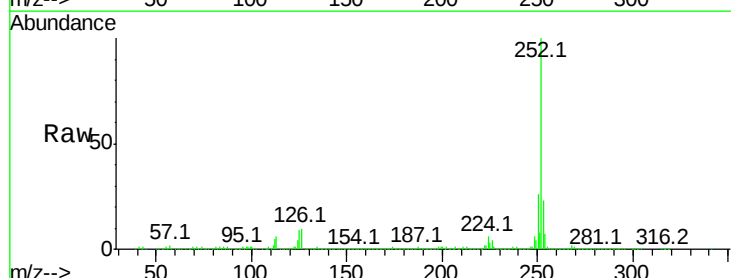


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

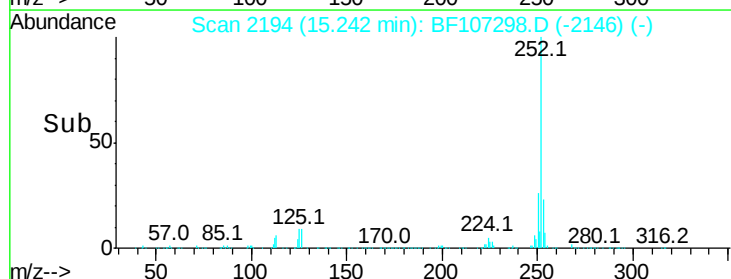
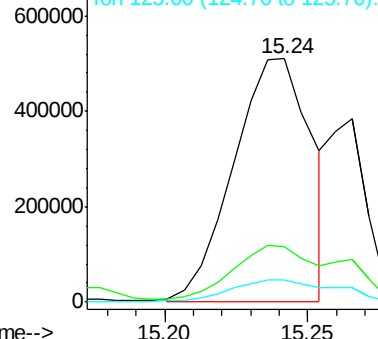


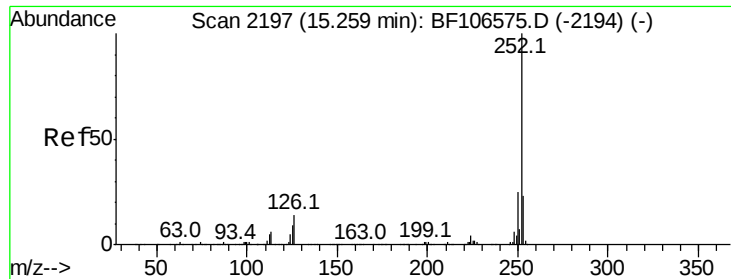
#87
Benzo(b)fluoranthene
Concen: 78.489 ng m
RT: 15.24 min Scan# 2194
Delta R.T. -0.02 min
Lab File: BF107298.D
Acq: 11 Jul 2018 14:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.0	25.6
125	8.9	9.0	13.6#



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





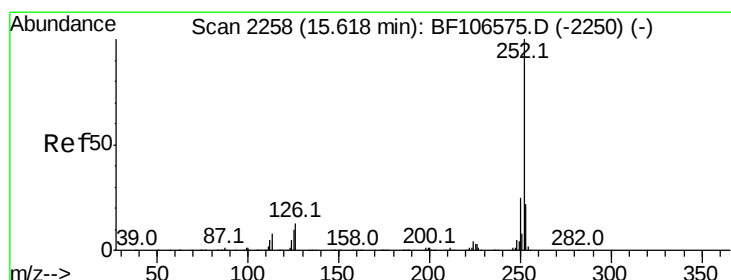
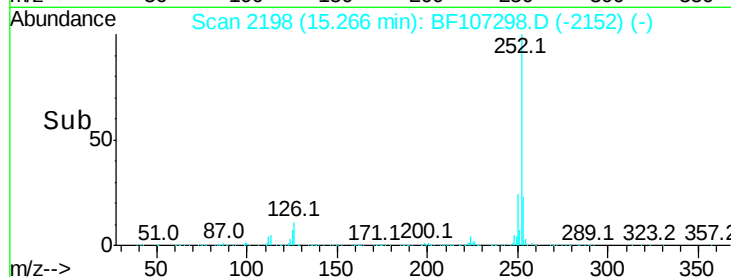
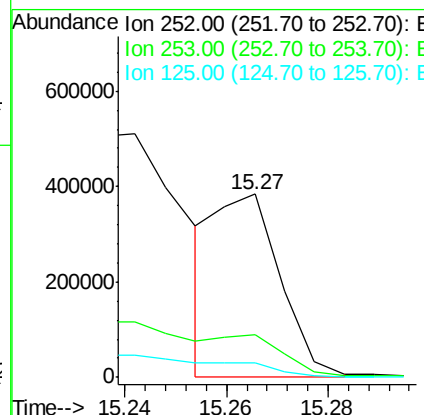
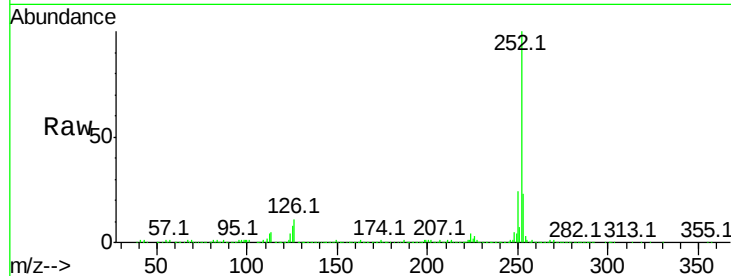
#88
Benzo(k)fluoranthene
Concen: 29.167 ng m
RT: 15.27 min Scan# 2198
Delta R.T. -0.03 min
Lab File: BF107298.D
Acq: 11 Jul 2018 14:25

Instrument :
BNA_F
ClientSampleId :
EP-6-N1

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.9	26.9
125	7.7	10.2	15.2

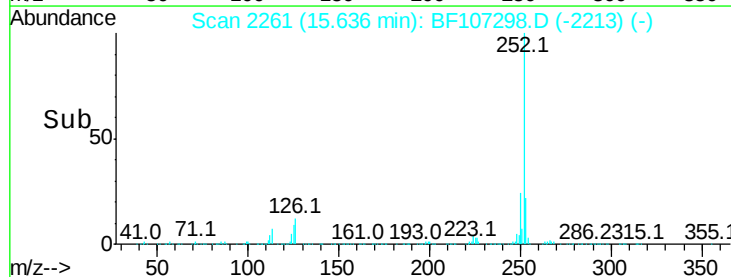
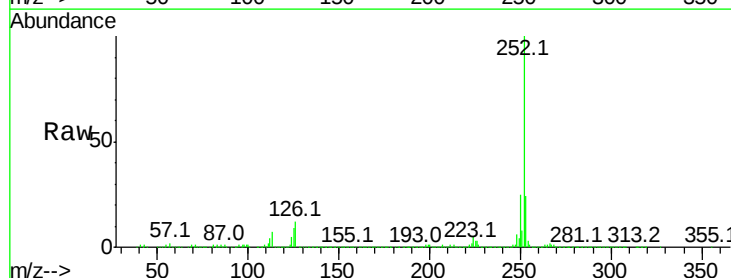
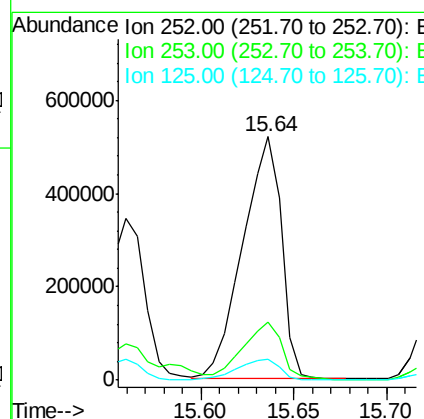
Manual Integrations
APPROVED

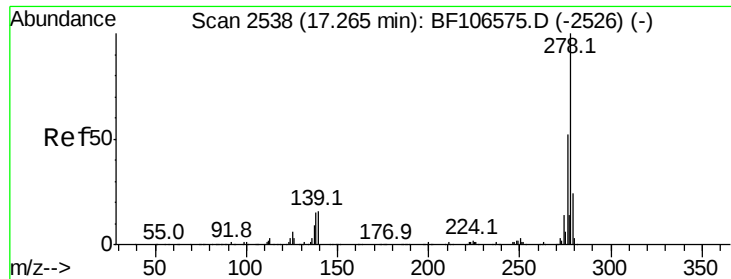
Sohil
7/12/2018 2:19:14 PM



#89
Benzo(a)pyrene
Concen: 68.883 ng m
RT: 15.64 min Scan# 2261
Delta R.T. -0.02 min
Lab File: BF107298.D
Acq: 11 Jul 2018 14:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.1	25.7
125	8.8	9.8	14.6





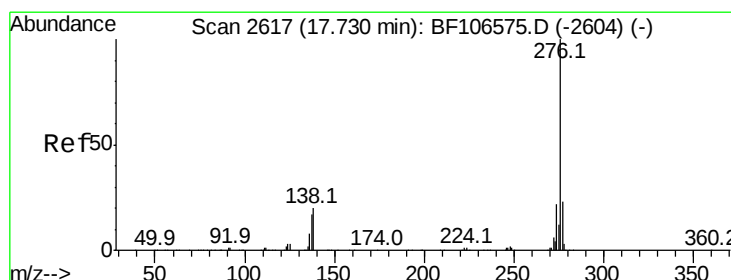
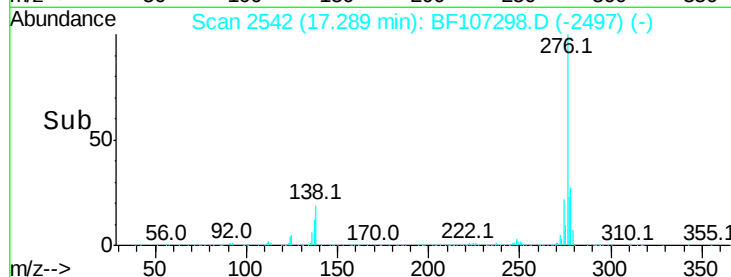
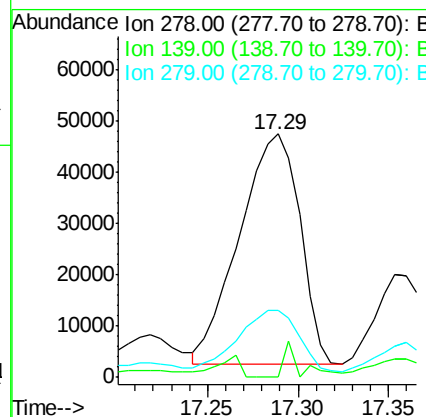
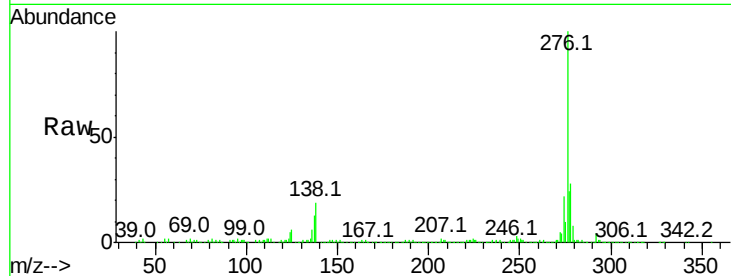
#90
Dibenzo(a,h)anthracene
Concen: 11.301 ng
RT: 17.29 min Scan# 2542
Delta R.T. -0.04 min
Lab File: BF107298.D
Acq: 11 Jul 2018 14:25

Instrument :
BNA_F
ClientSampleId :
EP-6-N1

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9#
279	27.5	19.0	28.4

Manual Integrations
APPROVED

Sohil
7/12/2018 2:19:14 PM



#91
Benzo(g,h,i)perylene
Concen: 38.138 ng
RT: 17.78 min Scan# 2626
Delta R.T. -0.01 min
Lab File: BF107298.D
Acq: 11 Jul 2018 14:25

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.7	17.9	26.9
138	17.9	21.8	32.8#

