

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110617\
 Data File : BF100256.D
 Acq On : 6 Nov 2017 17:45
 Operator : SJ/JU
 Sample : I6257-01 10X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EPE-110-1(0-5)

Manual Integrations
 APPROVED

Sohil
 11/7/2017 5:39:49 PM

Quant Time: Nov 07 10:40:03 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 06 13:31:35 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	96312	20.00	ng	0.00
21) Naphthalene-d8	8.04	136	396180	20.00	ng	0.00
38) Acenaphthene-d10	9.79	164	172153	20.00	ng	0.00
63) Phenanthrene-d10	11.29	188	272140	20.00	ng	0.00
75) Chrysene-d12	13.95	240	122480	20.00	ng	0.00
86) Perylene-d12	15.41	264	162501	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	53539	8.73	ng	0.06
7) Phenol-d6	6.46	99	82111	11.29	ng	0.05
23) Nitrobenzene-d5	7.37	82	44779	7.28	ng	0.03
41) 2,4,6-Tribromophenol	10.60	330	12938	8.25	ng	0.00
44) 2-Fluorobiphenyl	9.12	172	104883	9.40	ng	0.00
78) Terphenyl-d14	12.87	244	62817	11.21	ng	0.00
Target Compounds						Qvalue
51) Acenaphthene	9.83	154	215624	20.258	ng	99
54) Dibenzofuran	10.01	168	39498	2.629	ng	# 96
57) Fluorene	10.35	166	93162	7.489	ng	# 98
70) Phenanthrene	11.33	178	2317859	150.920	ng	100
71) Anthracene	11.37	178	1101329	70.646	ng	99
72) Carbazole	11.53	167	312513	21.317	ng	98
74) Fluoranthene	12.54	202	3959791	248.097	ng	98
77) Pyrene	12.77	202	3271446	351.266	ng	98
80) Benzo(a)anthracene	13.94	228	1483565	191.073	ng	99
82) Chrysene	13.98	228	1184607	162.285	ng	98
83) Bis(2-ethylhexyl)phthalate	13.89	149	13310	2.067	ng	# 88
85) Indeno(1,2,3-cd)pyrene	16.88	276	483061	72.086	ng	97
87) Benzo(b)fluoranthene	14.99	252	1424352m	138.810	ng	
88) Benzo(k)fluoranthene	15.02	252	366861m	37.915	ng	
89) Benzo(a)pyrene	15.36	252	933761	101.304	ng	95
90) Dibenzo(a,h)anthracene	16.87	278	122747m	14.987	ng	
91) Benzo(g,h,i)perylene	17.32	276	416268	51.949	ng	96

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

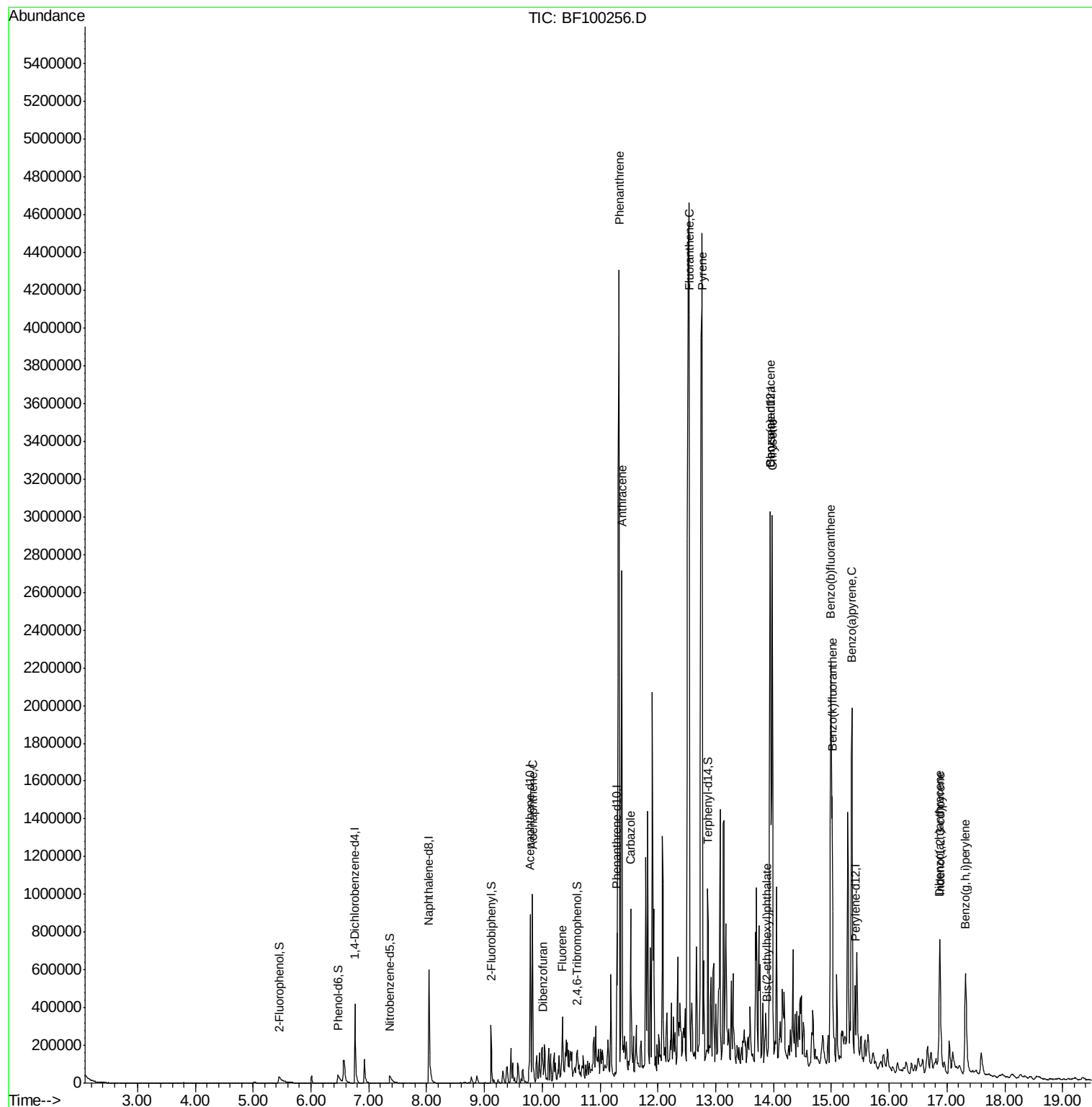
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110617\
Data File : BF100256.D
Acq On : 6 Nov 2017 17:45
Operator : SJ/JU
Sample : I6257-01 10X
Misc :
ALS Vial : 4 Sample Multiplier: 1

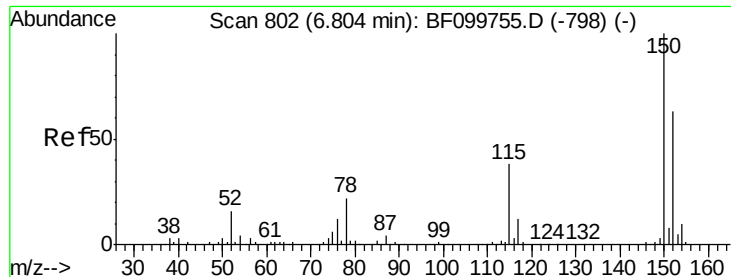
Instrument :
BNA_F
ClientSampleId :
EPE-110-1(0-5)

Manual Integrations
APPROVED

Sohil
11/7/2017 5:39:49 PM

Quant Time: Nov 07 10:40:03 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 06 13:31:35 2017
Response via : Initial Calibration





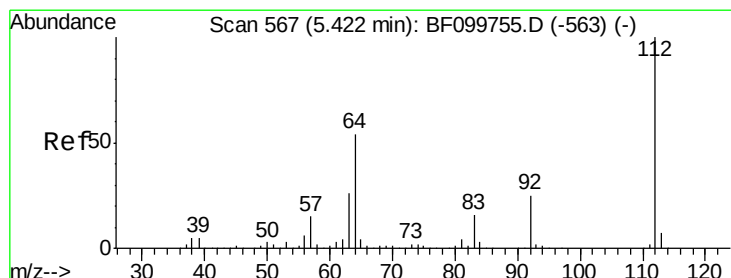
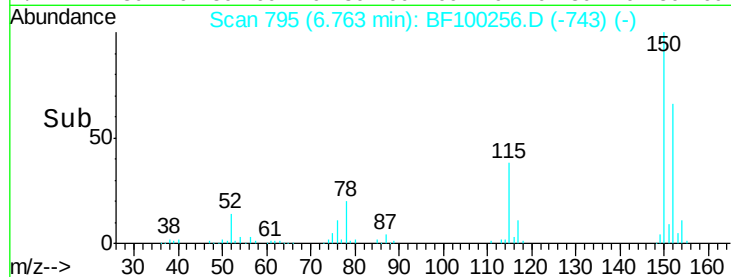
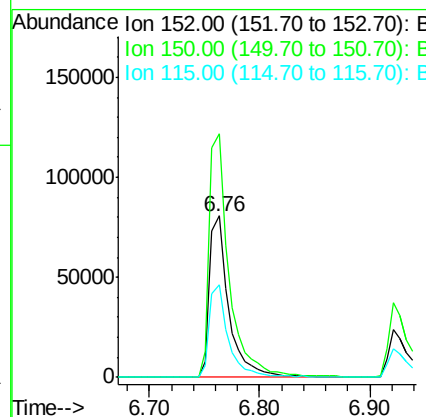
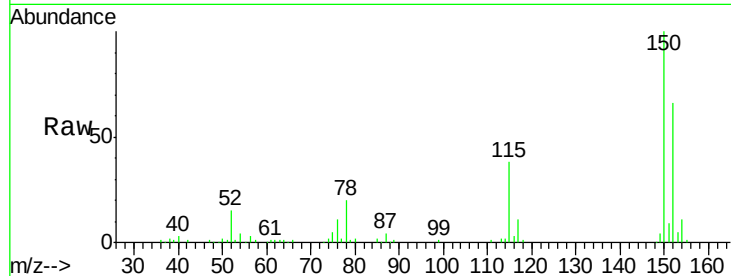
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.76 min Scan# 795
 Delta R.T. 0.01 min
 Lab File: BF100256.D
 Acq: 6 Nov 2017 17:45

Instrument :
 BNA_F
 ClientSampleId :
 EPE-110-1(0-5)

Tgt Ion	Ratio	Lower	Upper
152	100		
150	150.9	124.6	186.8
115	57.0	50.1	75.1

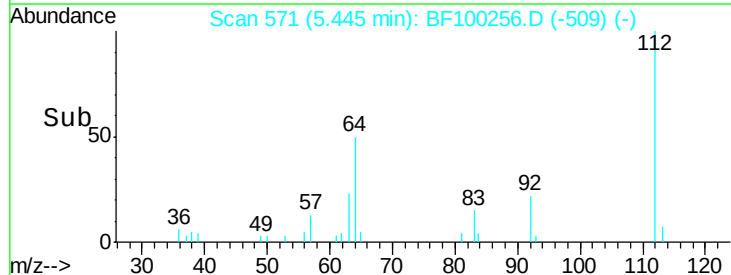
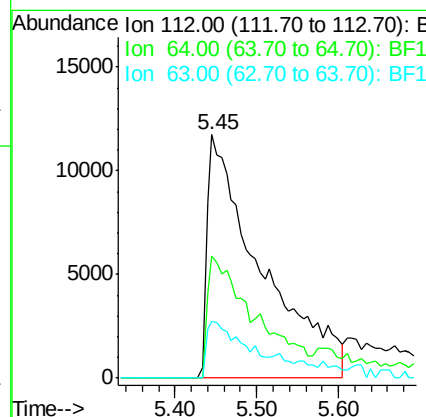
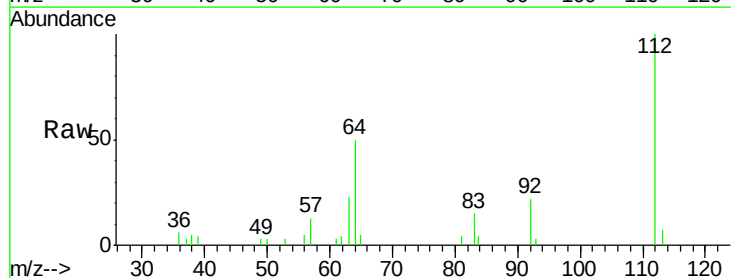
Manual Integrations
 APPROVED

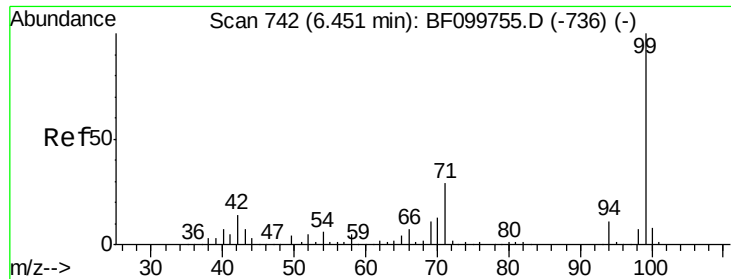
Sohil
 11/7/2017 5:39:49 PM



#5
 2-Fluorophenol
 Concen: 8.727 ng
 RT: 5.45 min Scan# 571
 Delta R.T. 0.06 min
 Lab File: BF100256.D
 Acq: 6 Nov 2017 17:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.3	47.9	71.9
63	23.3	23.7	35.5





#7

Phenol-d6

Concen: 11.288 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.05 min

Lab File: BF100256.D

Acq: 6 Nov 2017 17:45

Instrument :

BNA_F

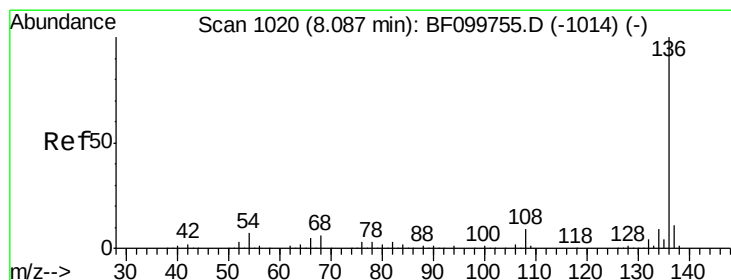
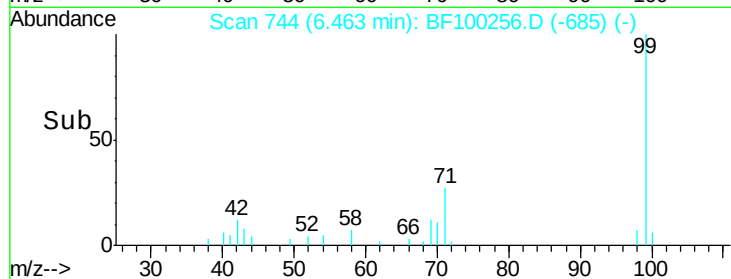
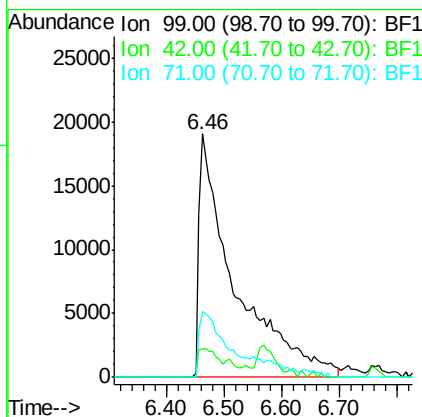
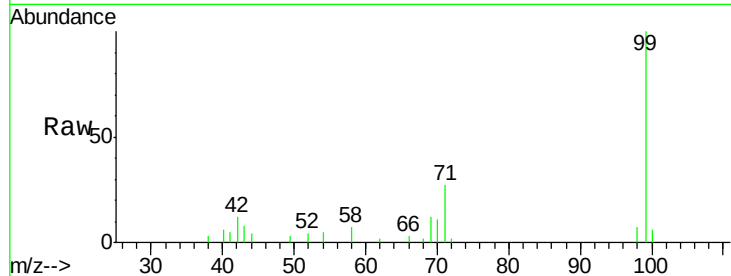
ClientSampleId :

EPE-110-1(0-5)

Tgt Ion:	99	Resp:	82111
Ion Ratio	Lower	Upper	
99	100		
42	12.0	14.5	21.7#
71	26.9	25.4	38.0

Manual Integrations
APPROVED

Sohil
11/7/2017 5:39:49 PM



#21

Naphthalene-d8

Concen: 20.000 ng

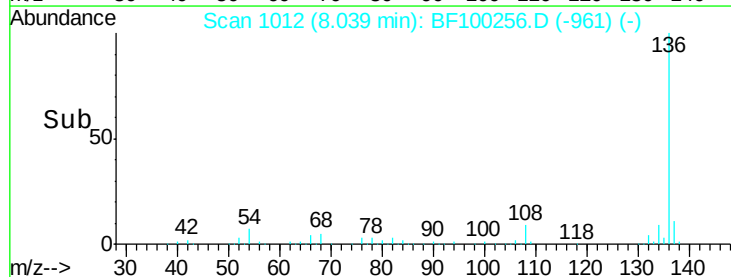
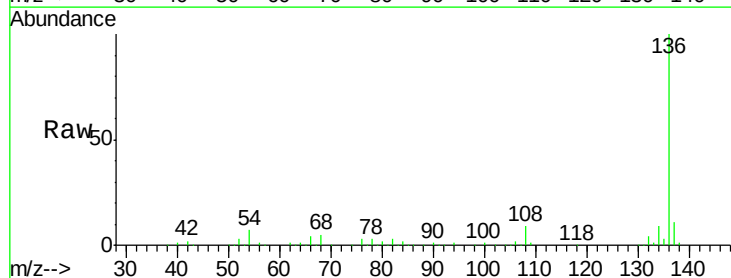
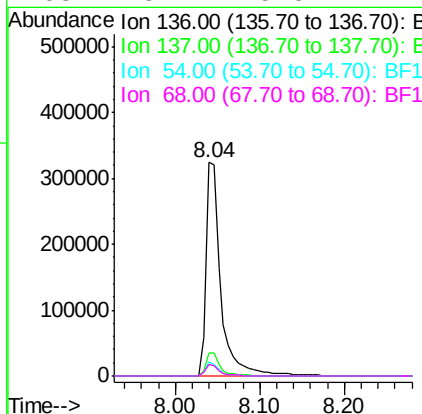
RT: 8.04 min Scan# 1012

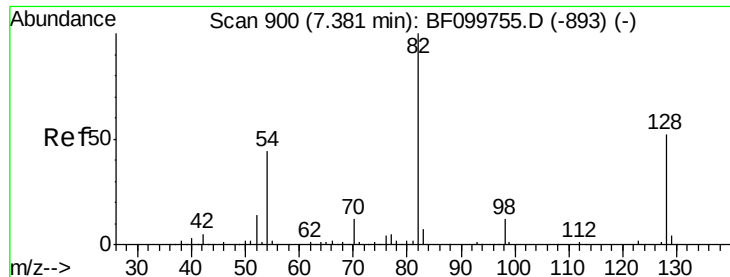
Delta R.T. -0.00 min

Lab File: BF100256.D

Acq: 6 Nov 2017 17:45

Tgt Ion:	136	Resp:	396180
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.9	13.3
54	6.6	6.6	9.8
68	5.4	5.0	7.4





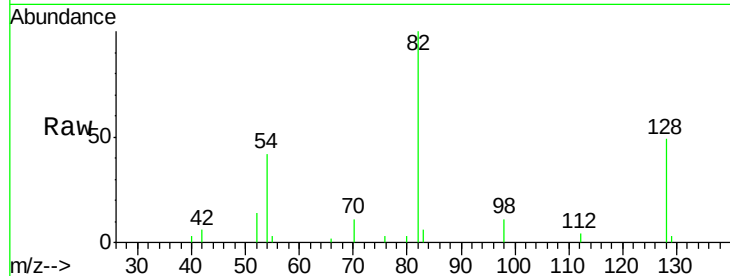
#23
 Nitrobenzene-d5
 Concen: 7.277 ng
 RT: 7.37 min Scan# 898
 Delta R.T. 0.03 min
 Lab File: BF100256.D
 Acq: 6 Nov 2017 17:45

Instrument :
 BNA_F
 ClientSampleId :
 EPE-110-1(0-5)

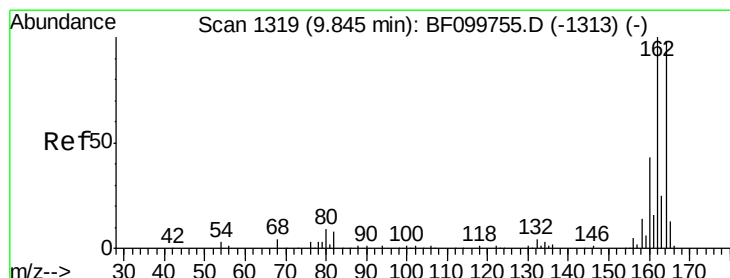
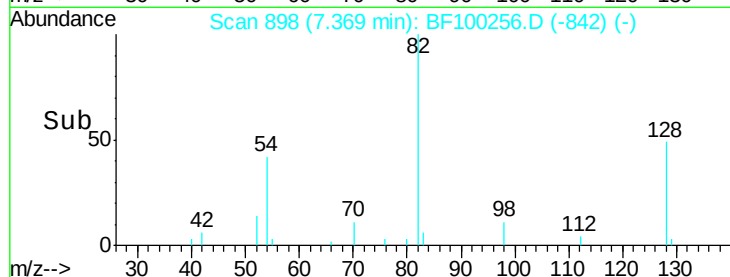
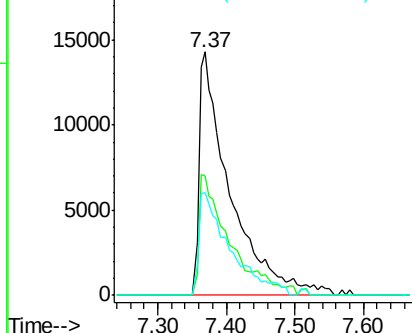
Tgt Ion	Ratio	Lower	Upper
82	100		
128	49.0	36.1	54.1
54	42.5	41.4	62.2

Manual Integrations
 APPROVED

Sohil
 11/7/2017 5:39:49 PM



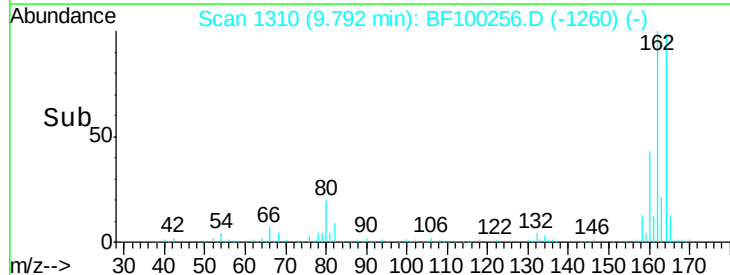
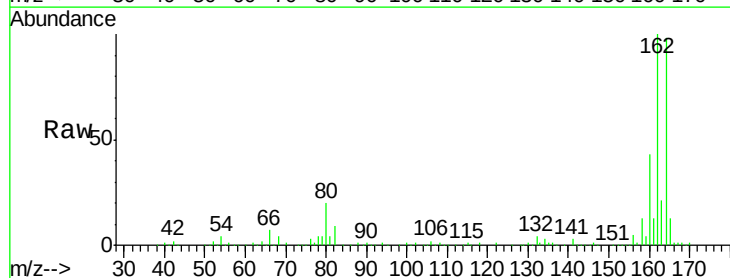
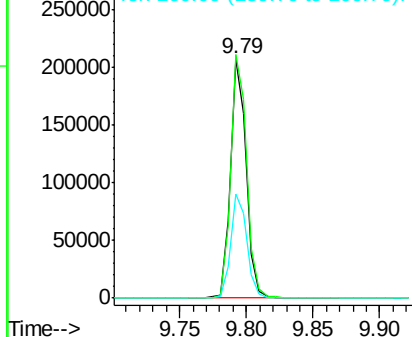
Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

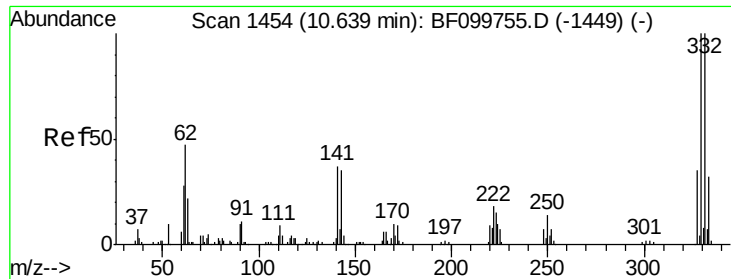


#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.79 min Scan# 1310
 Delta R.T. -0.01 min
 Lab File: BF100256.D
 Acq: 6 Nov 2017 17:45

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.8	86.1	129.1
160	43.4	38.3	57.5

Abundance Ion 164.00 (163.70 to 164.70): BF1
 Ion 162.00 (161.70 to 162.70): BF1
 Ion 160.00 (159.70 to 160.70): BF1





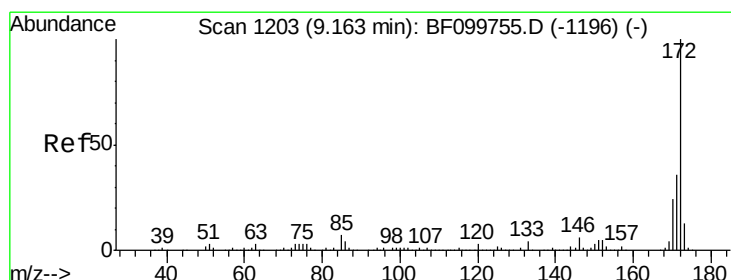
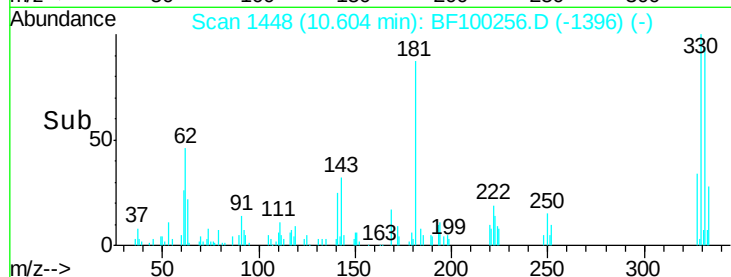
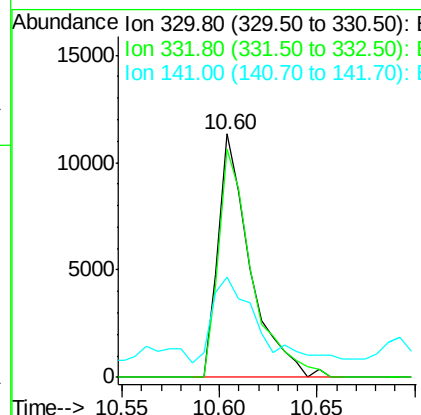
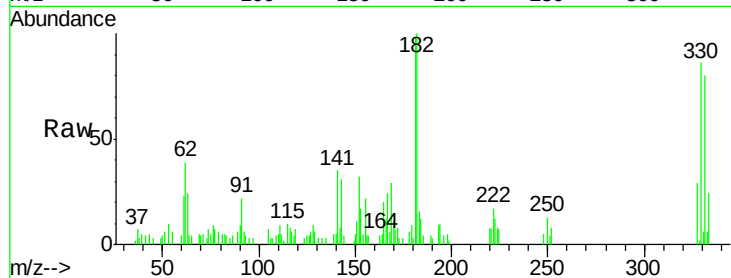
#41
 2,4,6-Tribromophenol
 Concen: 8.247 ng
 RT: 10.60 min Scan# 1448
 Delta R.T. 0.01 min
 Lab File: BF100256.D
 Acq: 6 Nov 2017 17:45

Instrument :
 BNA_F
 ClientSampled :
 EPE-110-1(0-5)

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	12938		
332	98.5	77.0	115.6	
141	50.6	29.9	44.9#	

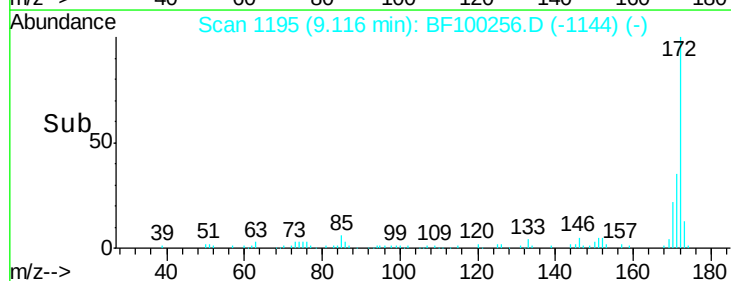
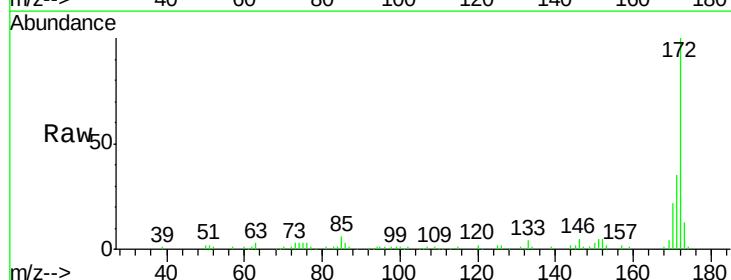
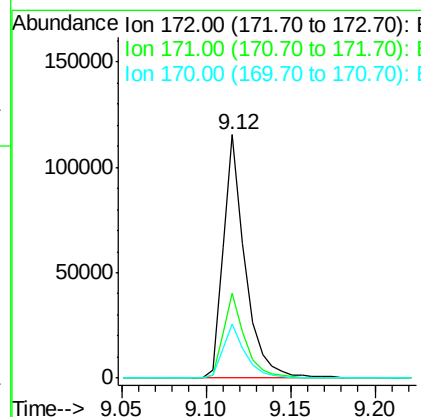
Manual Integrations
 APPROVED

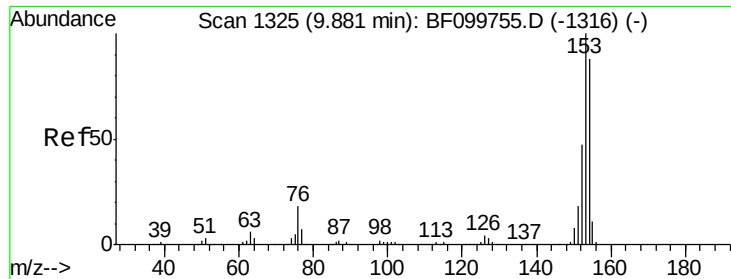
Sohil
 11/7/2017 5:39:49 PM



#44
 2-Fluorobiphenyl
 Concen: 9.400 ng
 RT: 9.12 min Scan# 1195
 Delta R.T. -0.00 min
 Lab File: BF100256.D
 Acq: 6 Nov 2017 17:45

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	104883		
171	34.7	29.7	44.5	
170	22.3	19.6	29.4	





#51

Acenaphthene

Concen: 20.258 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BF100256.D

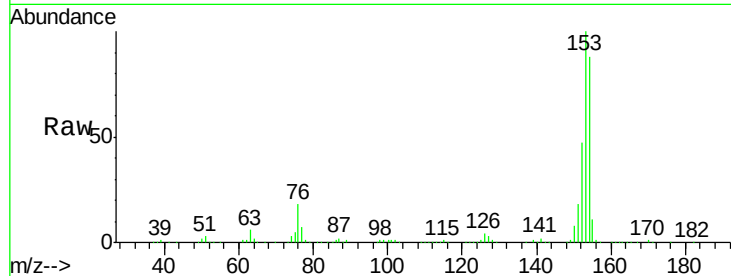
Acq: 6 Nov 2017 17:45

Instrument :

BNA_F

ClientSampleId :

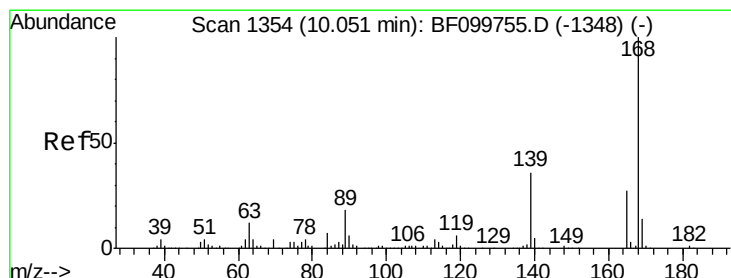
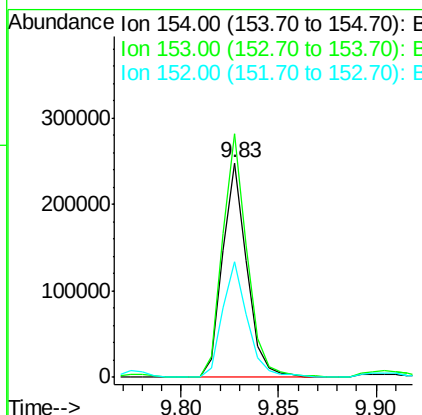
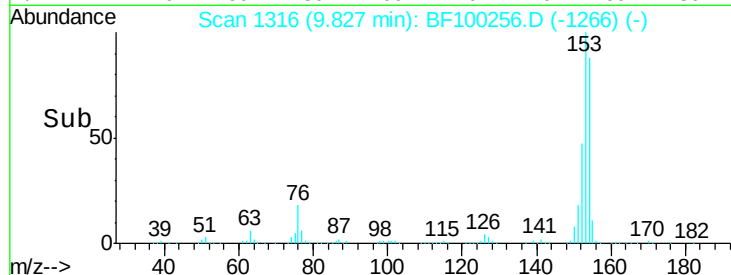
EPE-110-1(0-5)



Tgt Ion	Ratio	Resp	Lower	Upper
154	100	215624		
153	113.6	91.2	136.8	
152	53.7	43.8	65.8	

Manual Integrations
APPROVED

Sohil
11/7/2017 5:39:49 PM



#54

Dibenzofuran

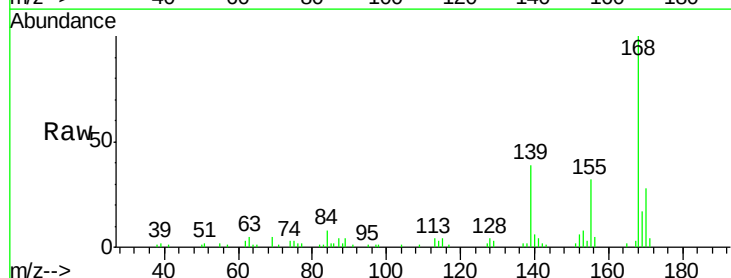
Concen: 2.629 ng

RT: 10.01 min Scan# 1347

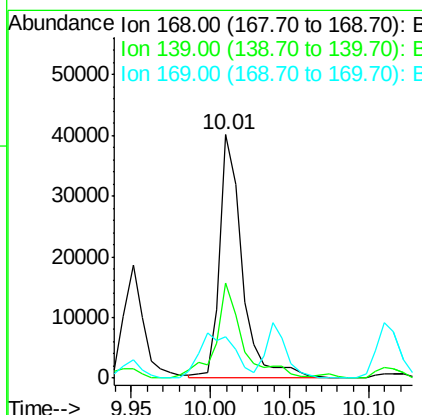
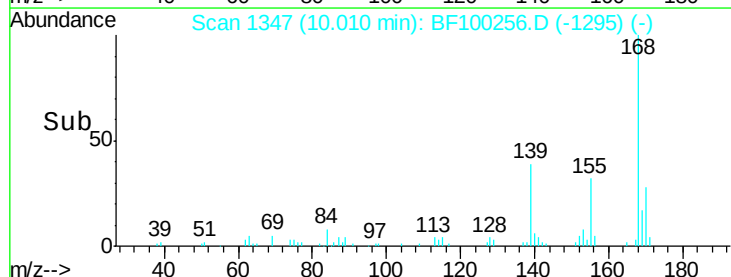
Delta R.T. 0.01 min

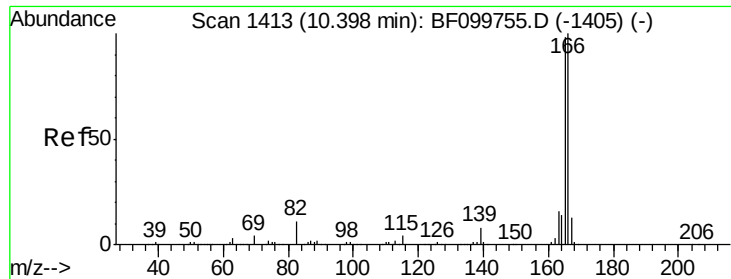
Lab File: BF100256.D

Acq: 6 Nov 2017 17:45



Tgt Ion	Ratio	Resp	Lower	Upper
168	100	39498		
139	39.1	30.1	45.1	
169	17.1	10.9	16.3#	





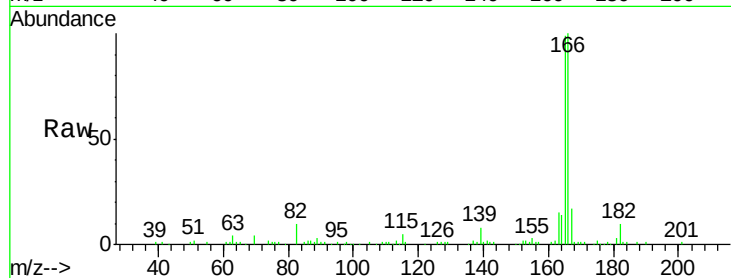
#57
 Fluorene
 Concen: 7.489 ng
 RT: 10.35 min Scan# 1405
 Delta R.T. -0.00 min
 Lab File: BF100256.D
 Acq: 6 Nov 2017 17:45

Instrument :
 BNA_F
 ClientSampleId :
 EPE-110-1(0-5)

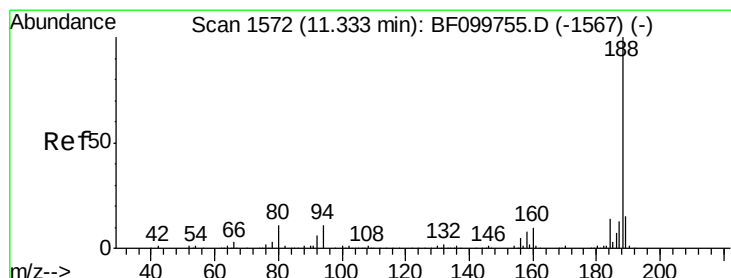
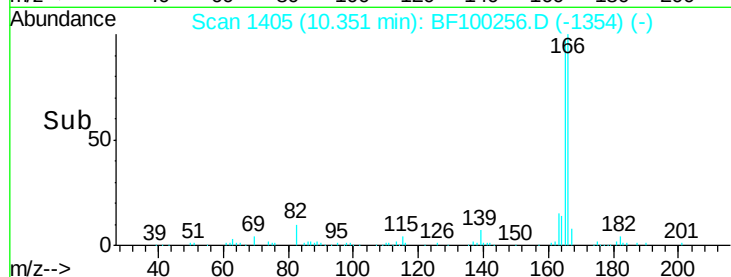
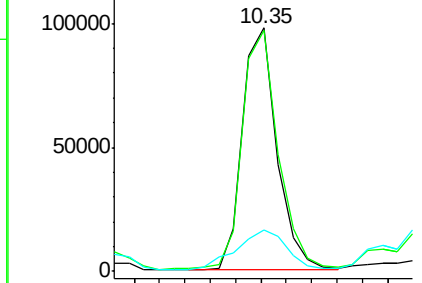
Tgt Ion	Ratio	Resp	Lower	Upper
166	100	93162		
165	99.2	79.8	119.8	
167	17.1	10.6	16.0	

Manual Integrations
 APPROVED

Sohil
 11/7/2017 5:39:49 PM

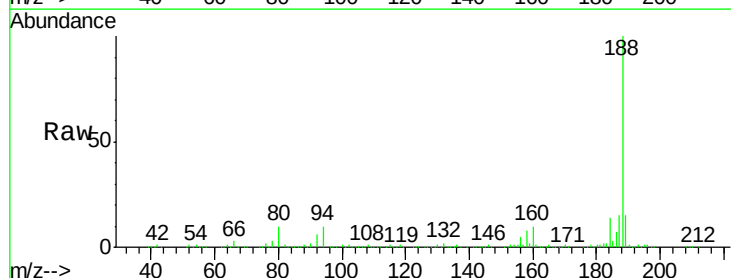


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

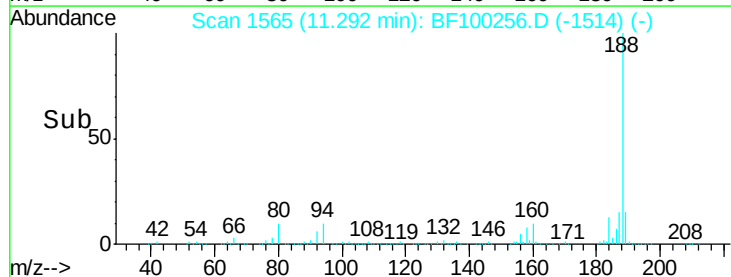
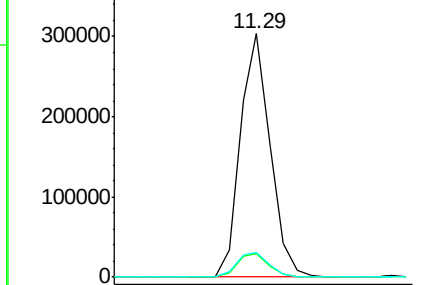


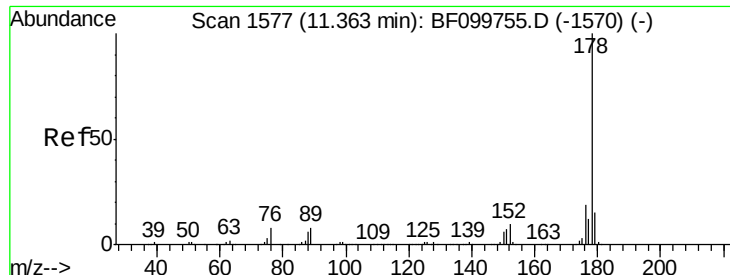
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.29 min Scan# 1565
 Delta R.T. -0.00 min
 Lab File: BF100256.D
 Acq: 6 Nov 2017 17:45

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	272140		
94	9.8	8.5	12.7	
80	9.9	9.2	13.8	



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





#70

Phenanthrene

Concen: 150.920 ng

RT: 11.33 min Scan# 1571

Delta R.T. 0.01 min

Lab File: BF100256.D

Acq: 6 Nov 2017 17:45

Instrument :

BNA_F

ClientSampleId :

EPE-110-1(0-5)

Tgt Ion:178 Resp: 2317859

Ion Ratio Lower Upper

178 100

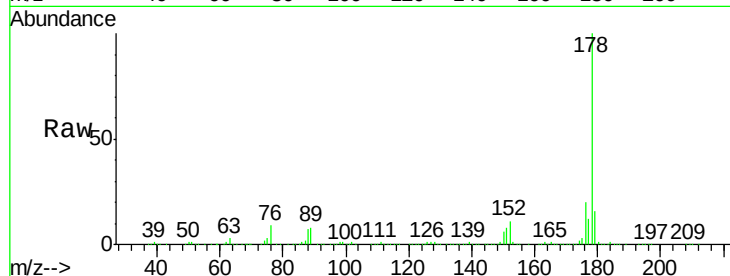
176 19.7 15.8 23.8

179 15.9 13.0 19.6

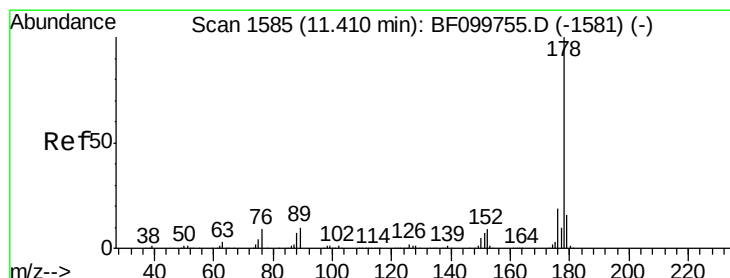
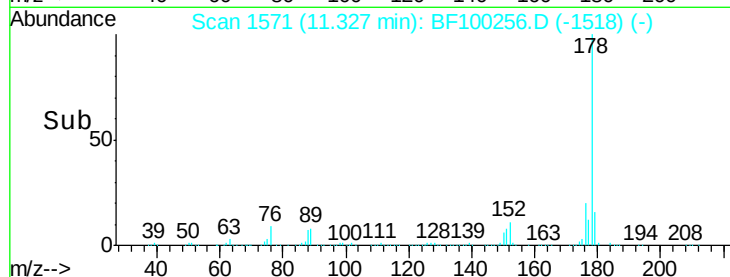
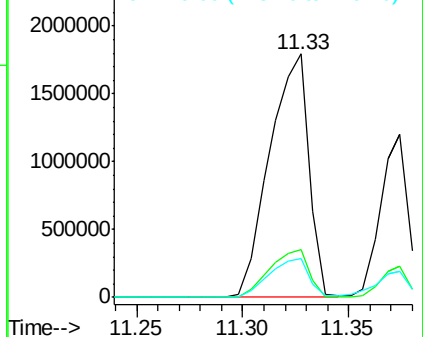
Manual Integrations
APPROVED

Sohil

11/7/2017 5:39:49 PM



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



#71

Anthracene

Concen: 70.646 ng

RT: 11.37 min Scan# 1579

Delta R.T. 0.01 min

Lab File: BF100256.D

Acq: 6 Nov 2017 17:45

Tgt Ion:178 Resp: 1101329

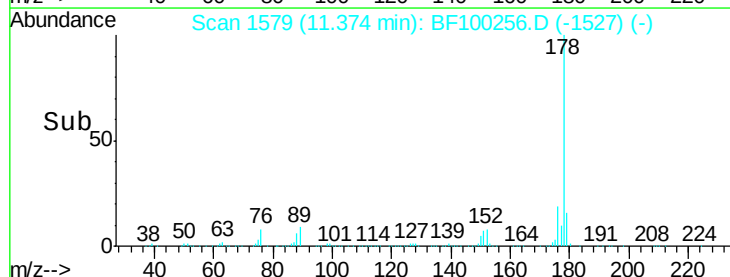
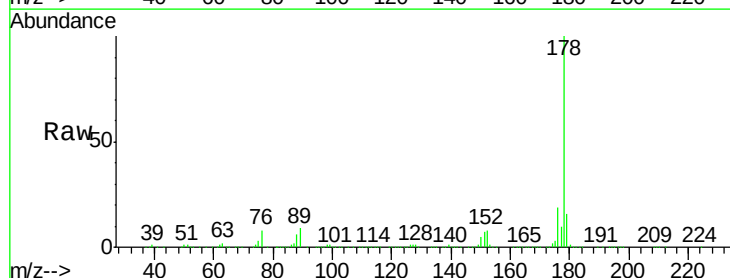
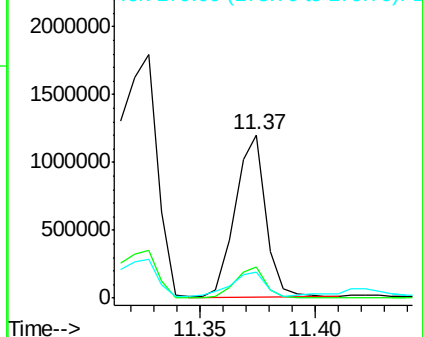
Ion Ratio Lower Upper

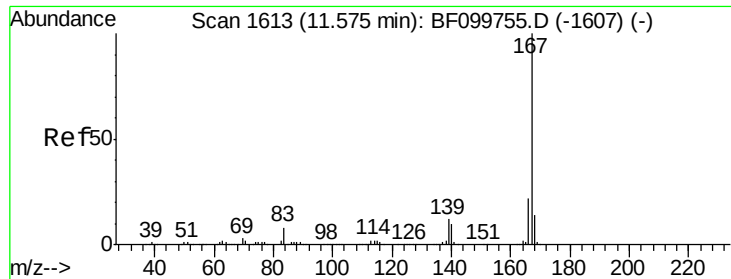
178 100

176 18.8 15.4 23.2

179 15.9 12.6 19.0

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





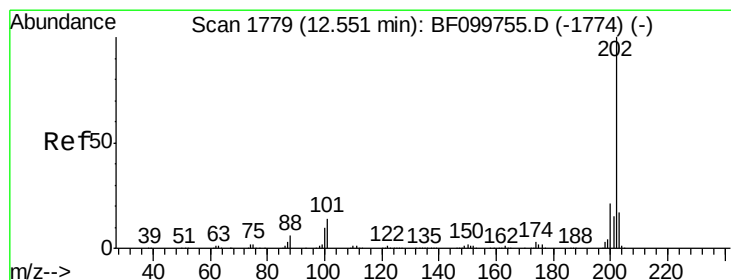
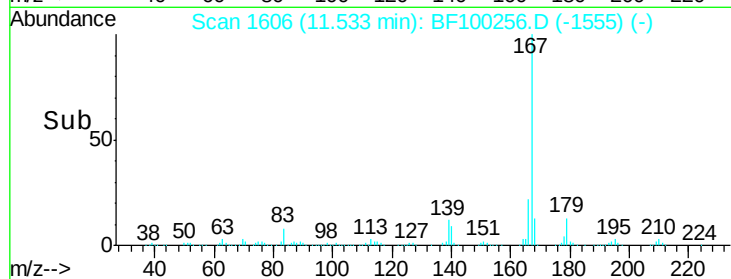
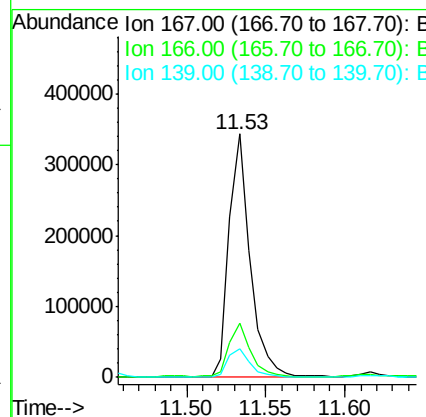
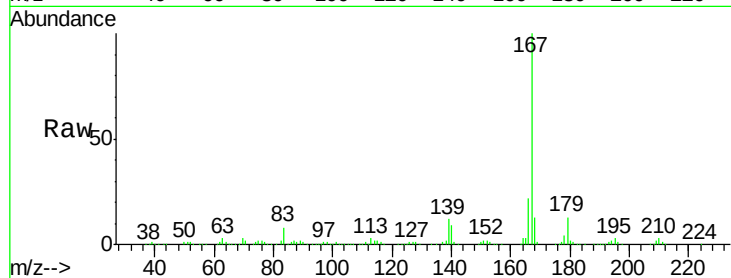
#72
 Carbazole
 Concen: 21.317 ng
 RT: 11.53 min Scan# 1606
 Delta R.T. -0.00 min
 Lab File: BF100256.D
 Acq: 6 Nov 2017 17:45

Instrument :
 BNA_F
 ClientSampleId :
 EPE-110-1(0-5)

Tgt Ion	Ratio	Resp	Lower	Upper
167	100	312513		
166	22.3	17.6	26.4	
139	12.0	10.9	16.3	

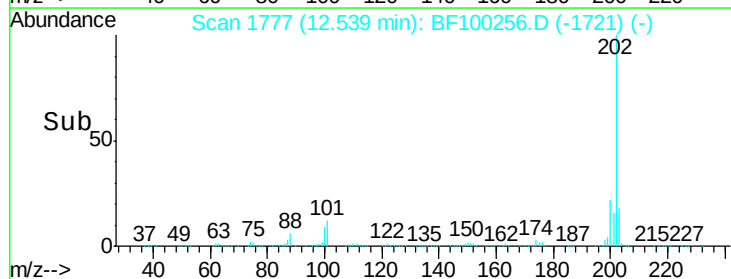
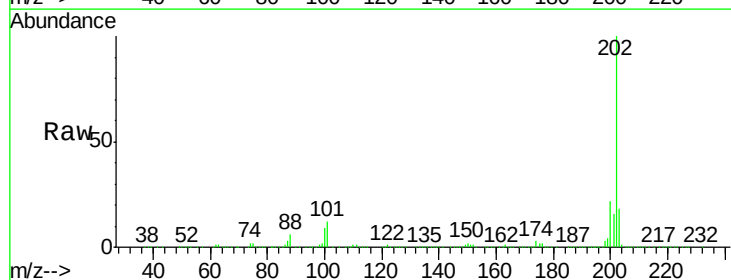
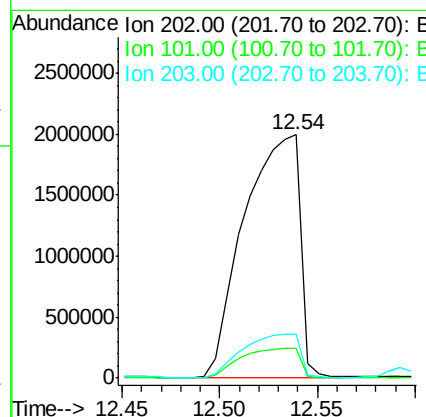
Manual Integrations
 APPROVED

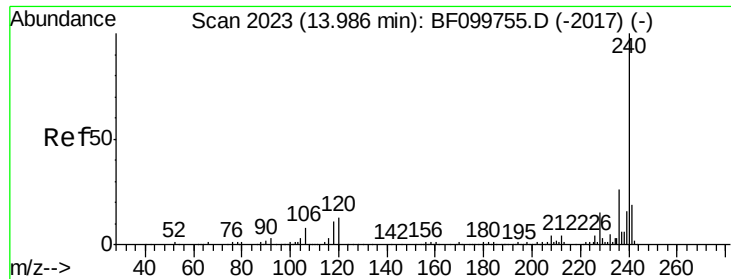
Sohil
 11/7/2017 5:39:49 PM



#74
 Fluoranthene
 Concen: 248.097 ng
 RT: 12.54 min Scan# 1777
 Delta R.T. 0.03 min
 Lab File: BF100256.D
 Acq: 6 Nov 2017 17:45

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	3959791		
101	12.1	0.0	34.1	
203	18.1	0.0	38.1	





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.95 min Scan# 2017

Delta R.T. 0.01 min

Lab File: BF100256.D

Acq: 6 Nov 2017 17:45

Instrument :

BNA_F

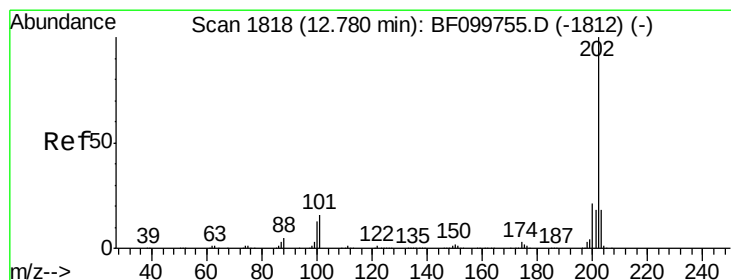
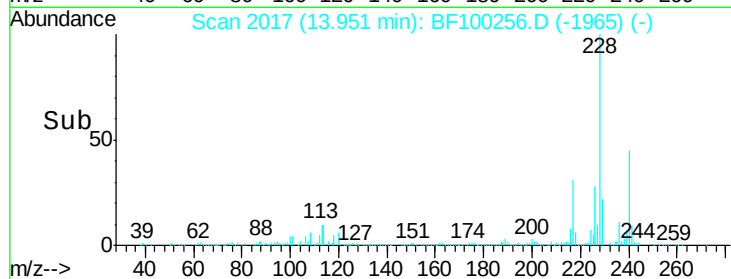
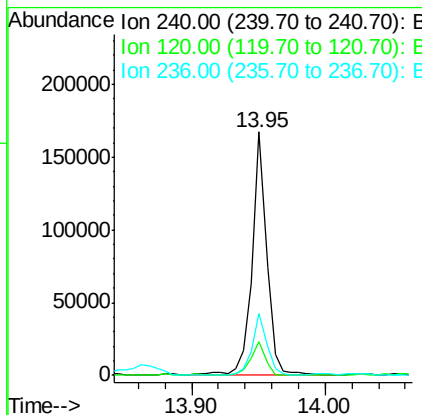
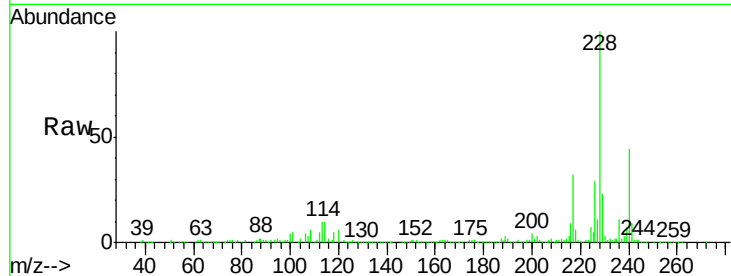
ClientSampleId :

EPE-110-1(0-5)

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	122480		
120	13.9	9.5	14.3	
236	25.7	20.7	31.1	

Manual Integrations
APPROVED

Sohil
11/7/2017 5:39:49 PM



#77

Pyrene

Concen: 351.266 ng

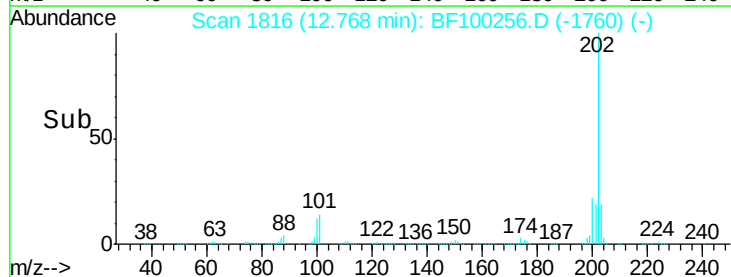
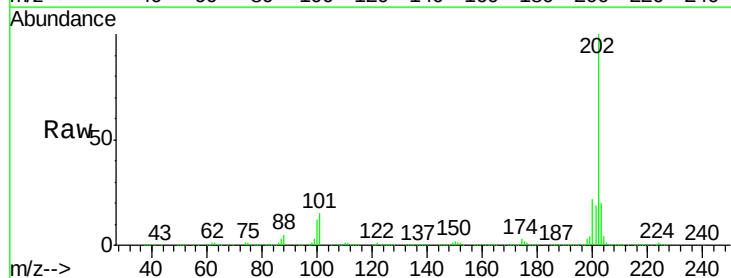
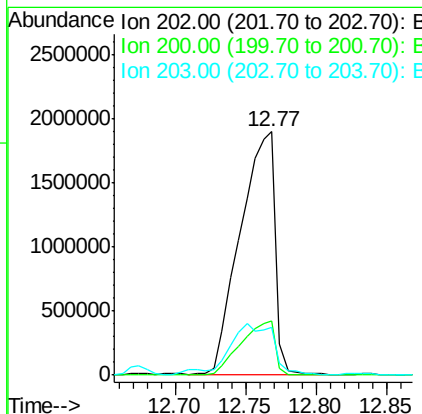
RT: 12.77 min Scan# 1816

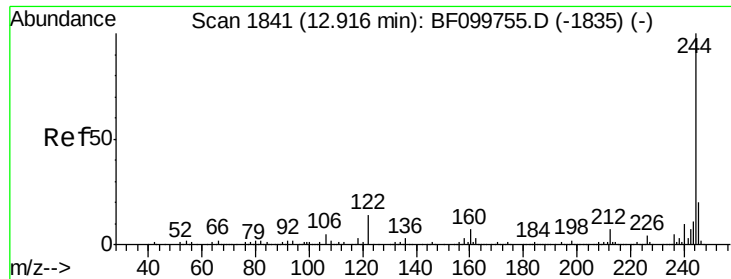
Delta R.T. 0.03 min

Lab File: BF100256.D

Acq: 6 Nov 2017 17:45

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	3271446		
200	22.3	17.4	26.2	
203	19.5	14.3	21.5	





#78

Terphenyl-d14

Concen: 11.208 ng

RT: 12.87 min Scan# 1833

Delta R.T. -0.00 min

Lab File: BF100256.D

Acq: 6 Nov 2017 17:45

Instrument :

BNA_F

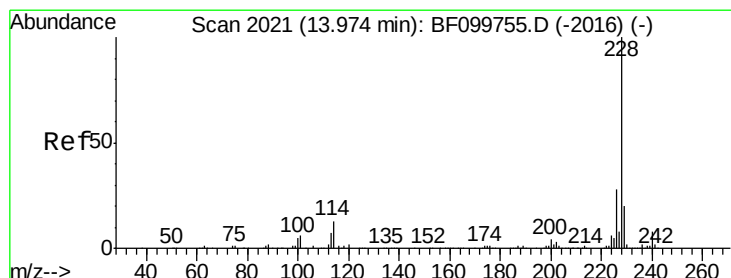
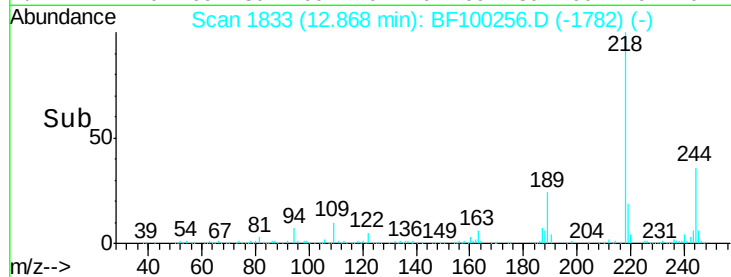
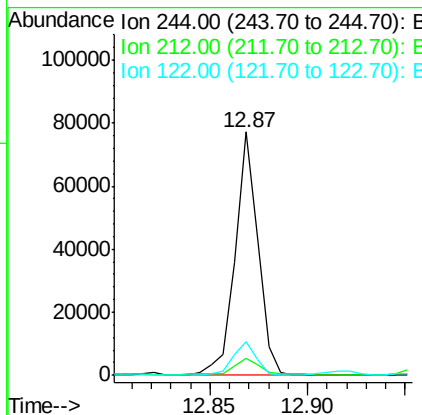
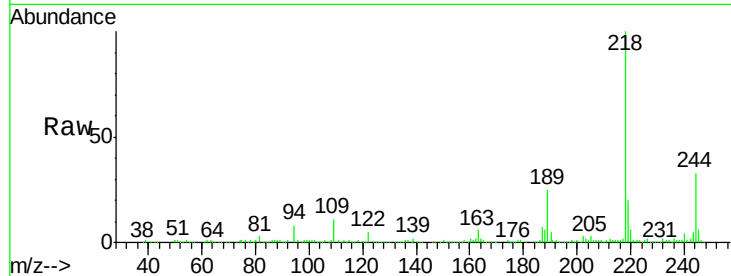
ClientSampled :

EPE-110-1(0-5)

Tgt Ion:	244	Resp:	62817
Ion Ratio	Lower	Upper	
244	100		
212	6.8	5.4	8.0
122	13.9	11.0	16.4

Manual Integrations
APPROVED

Sohil
11/7/2017 5:39:49 PM



#80

Benzo(a)anthracene

Concen: 191.073 ng

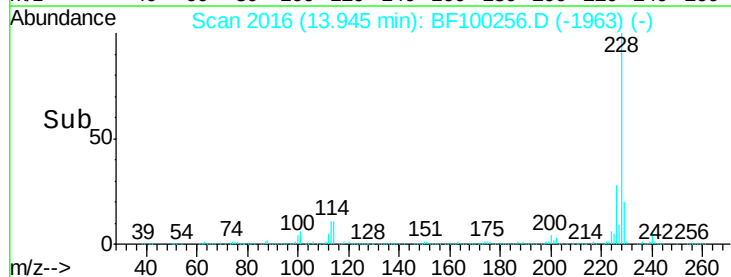
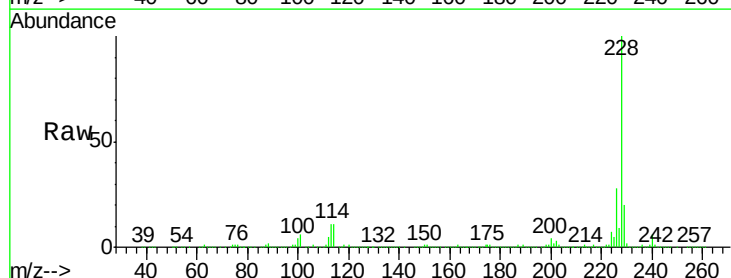
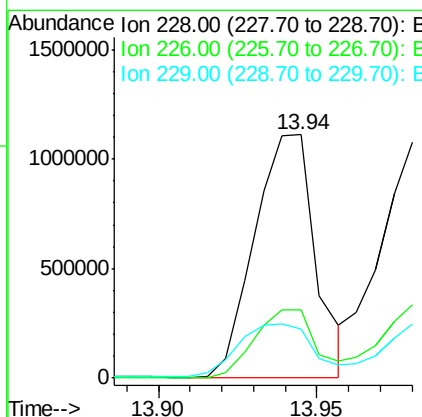
RT: 13.94 min Scan# 2016

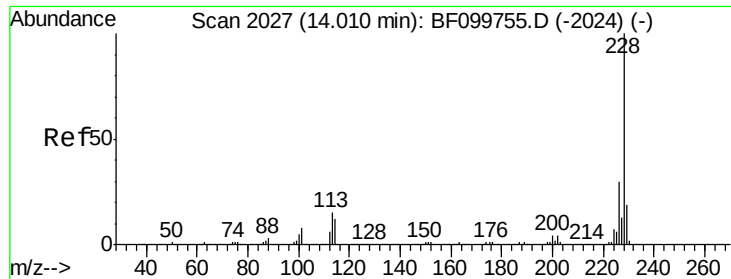
Delta R.T. 0.01 min

Lab File: BF100256.D

Acq: 6 Nov 2017 17:45

Tgt Ion:	228	Resp:	1483565
Ion Ratio	Lower	Upper	
228	100		
226	27.8	22.6	33.8
229	20.4	15.8	23.6





#82

Chrysene

Concen: 162.285 ng

RT: 13.98 min Scan# 2022

Delta R.T. 0.01 min

Lab File: BF100256.D

Acq: 6 Nov 2017 17:45

Instrument :

BNA_F

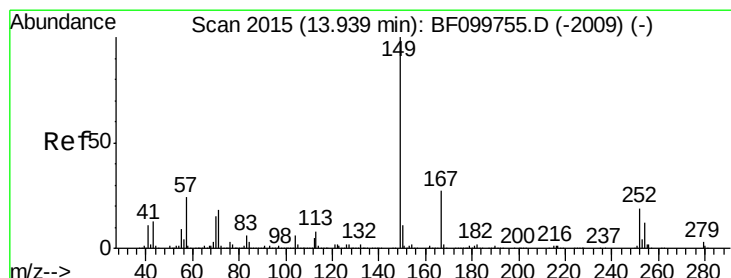
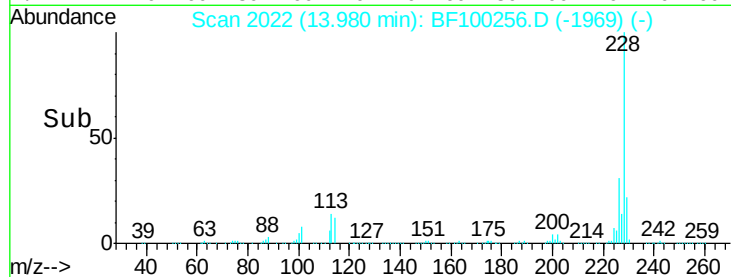
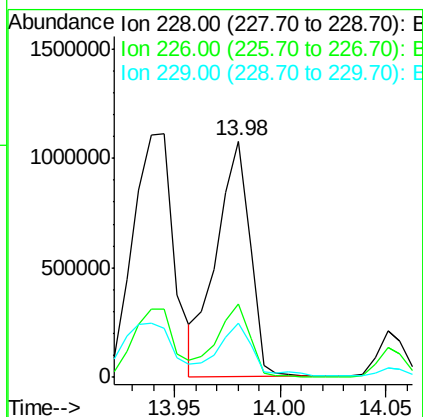
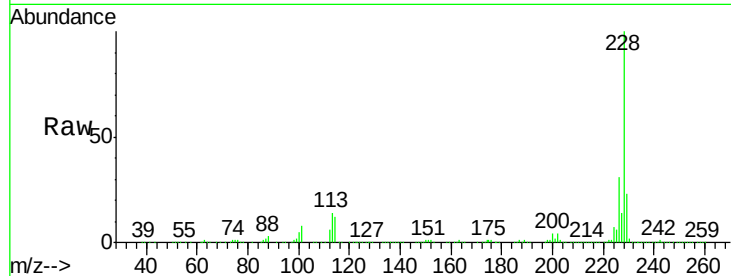
ClientSampleId :

EPE-110-1(0-5)

Tgt Ion:	228	Resp:	1184607
Ion Ratio	Lower	Upper	
228	100		
226	30.9	25.0	37.6
229	22.6	16.2	24.4

Manual Integrations
APPROVED

Sohil
11/7/2017 5:39:49 PM



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.067 ng

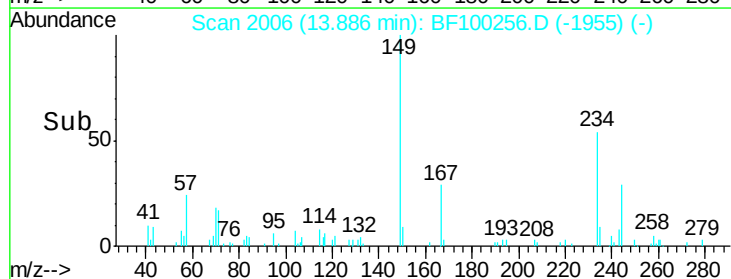
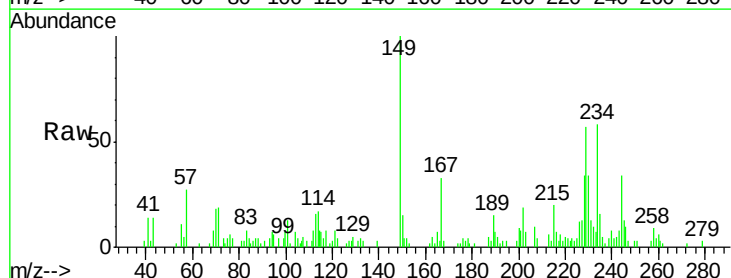
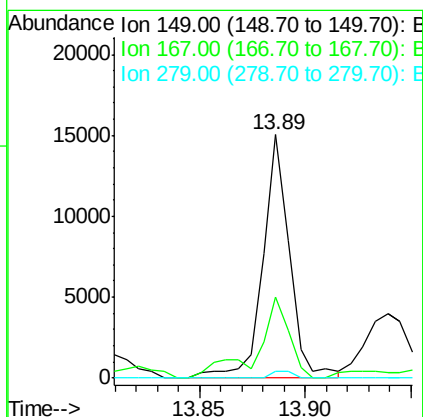
RT: 13.89 min Scan# 2006

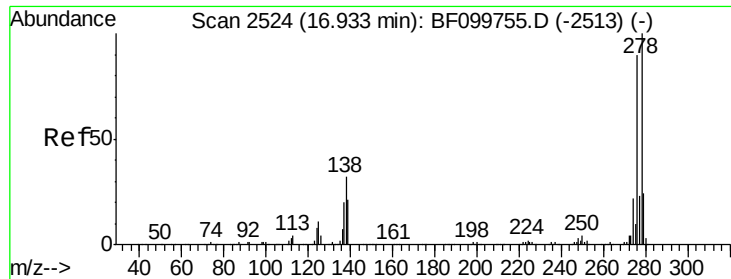
Delta R.T. -0.00 min

Lab File: BF100256.D

Acq: 6 Nov 2017 17:45

Tgt Ion:	149	Resp:	13310
Ion Ratio	Lower	Upper	
149	100		
167	33.5	21.3	31.9#
279	2.7	3.0	4.4#





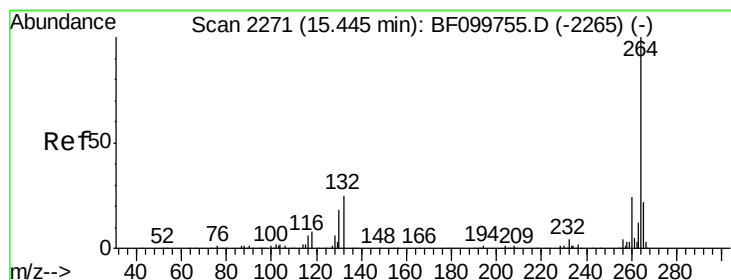
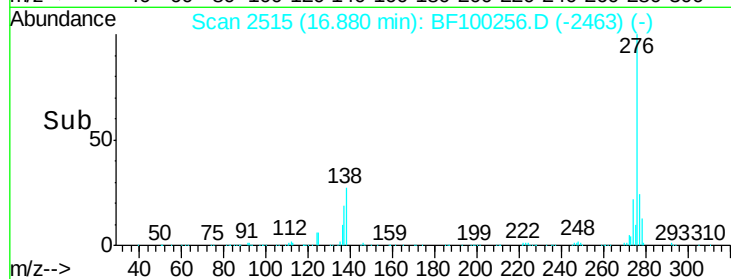
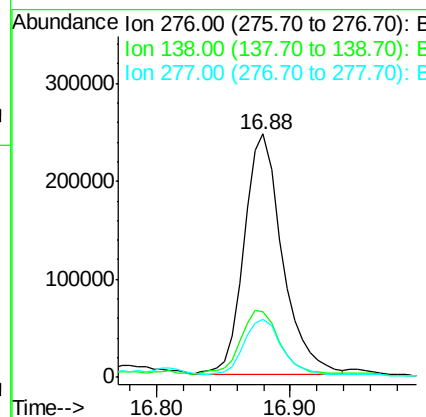
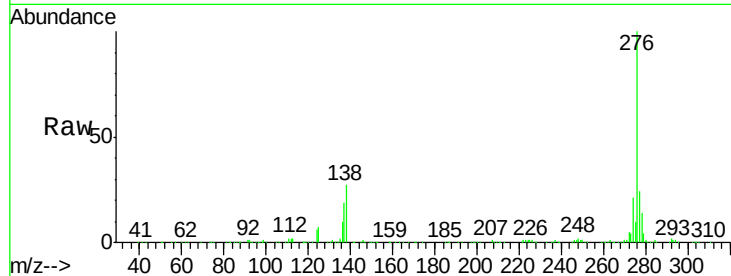
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 72.086 ng
 RT: 16.88 min Scan# 2515
 Delta R.T. 0.01 min
 Lab File: BF100256.D
 Acq: 6 Nov 2017 17:45

Instrument :
 BNA_F
 ClientSampleId :
 EPE-110-1(0-5)

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	483061		
138	29.9	25.0	37.6	
277	23.2	20.1	30.1	

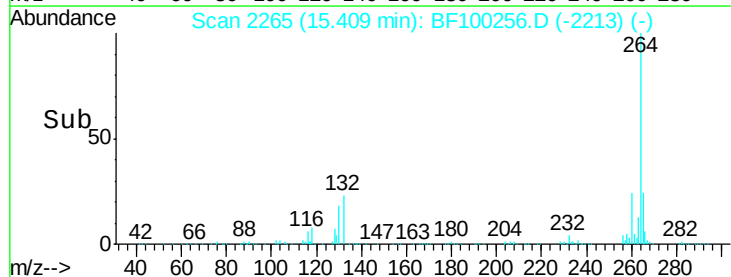
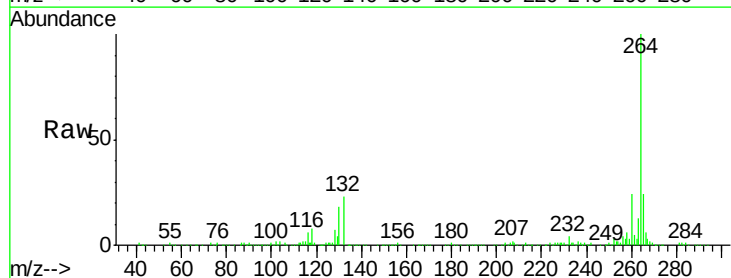
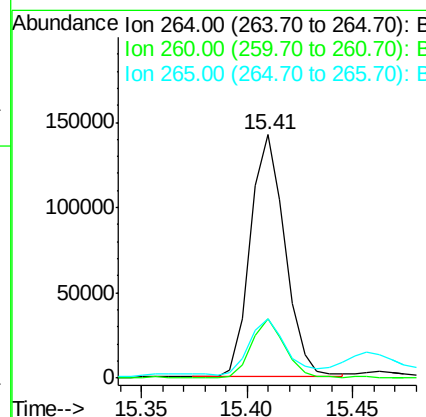
Manual Integrations
 APPROVED

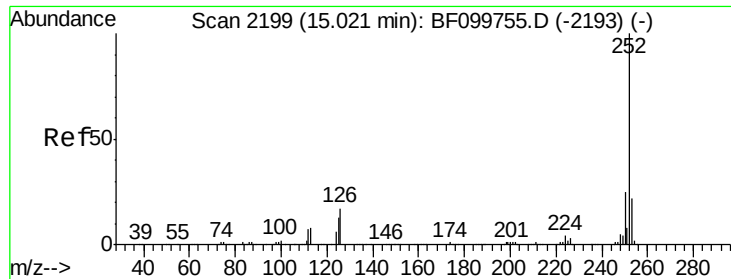
Sohil
 11/7/2017 5:39:49 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.41 min Scan# 2265
 Delta R.T. 0.01 min
 Lab File: BF100256.D
 Acq: 6 Nov 2017 17:45

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	162501		
260	24.2	19.2	28.8	
265	24.3	17.5	26.3	





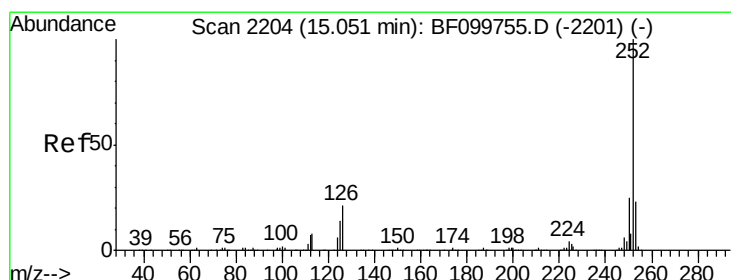
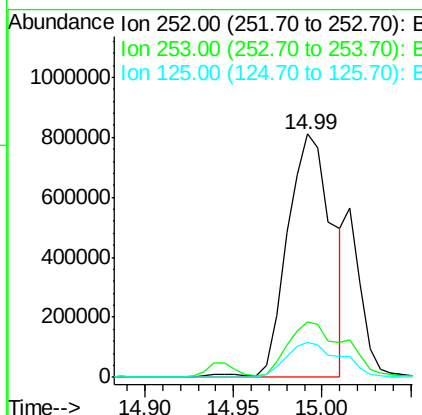
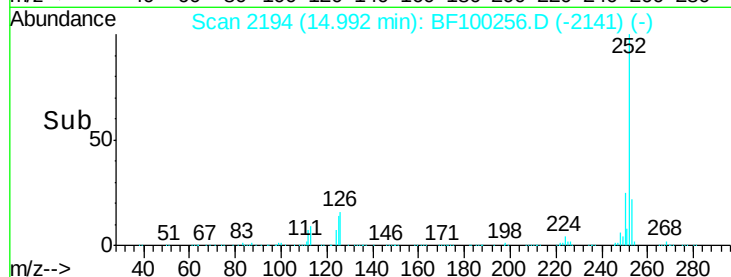
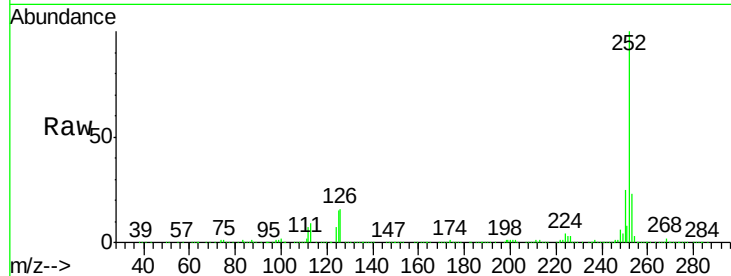
#87
Benzo(b)fluoranthene
Concen: 138.810 ng m
RT: 14.99 min Scan# 2194
Delta R.T. 0.01 min
Lab File: BF100256.D
Acq: 6 Nov 2017 17:45

Instrument :
BNA_F
ClientSampleId :
EPE-110-1(0-5)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.0	25.6
125	14.6	9.0	13.6

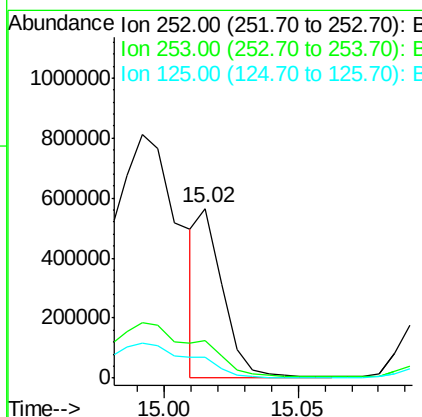
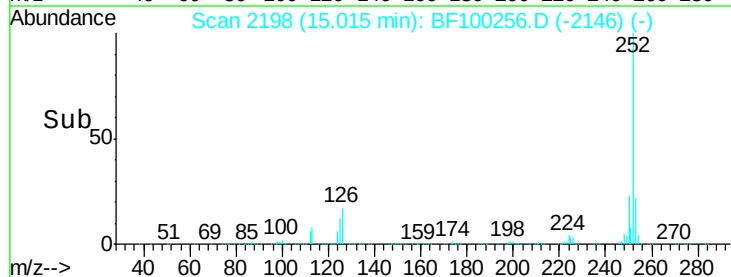
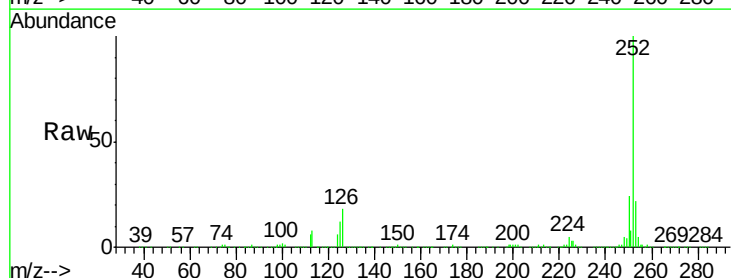
Manual Integrations
APPROVED

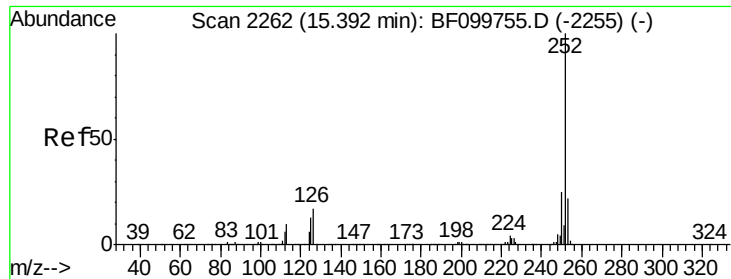
Sohil
11/7/2017 5:39:49 PM



#88
Benzo(k)fluoranthene
Concen: 37.915 ng m
RT: 15.02 min Scan# 2198
Delta R.T. 0.01 min
Lab File: BF100256.D
Acq: 6 Nov 2017 17:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.9	26.9
125	12.1	10.2	15.2





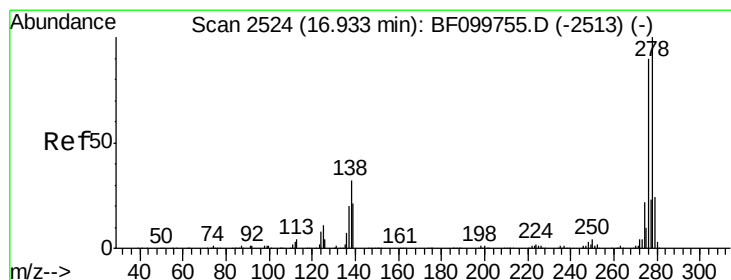
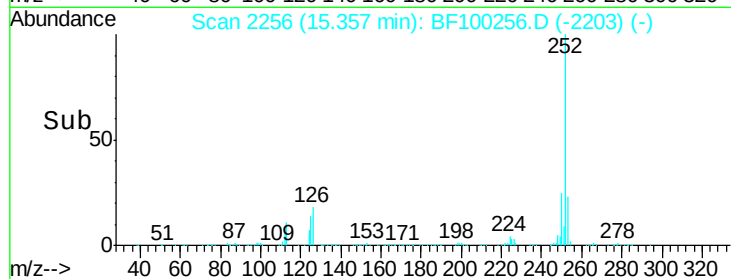
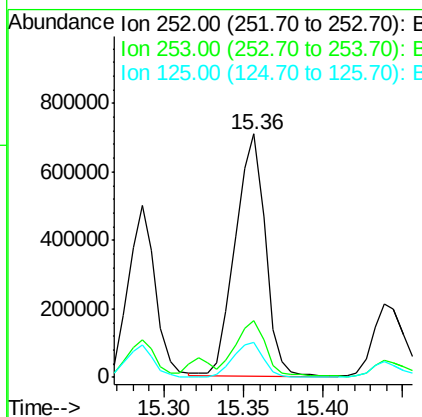
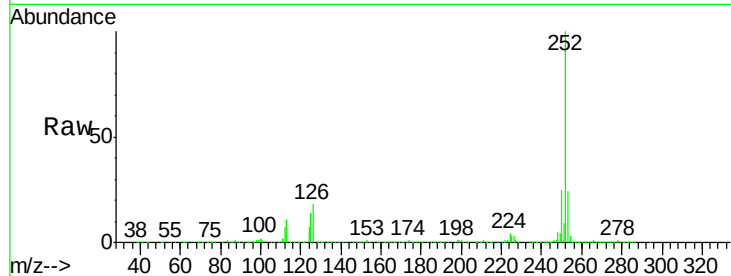
#89
Benzo(a)pyrene
Concen: 101.304 ng
RT: 15.36 min Scan# 2256
Delta R.T. 0.01 min
Lab File: BF100256.D
Acq: 6 Nov 2017 17:45

Instrument :
BNA_F
ClientSampleId :
EPE-110-1(0-5)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.1	25.7
125	14.4	9.8	14.6

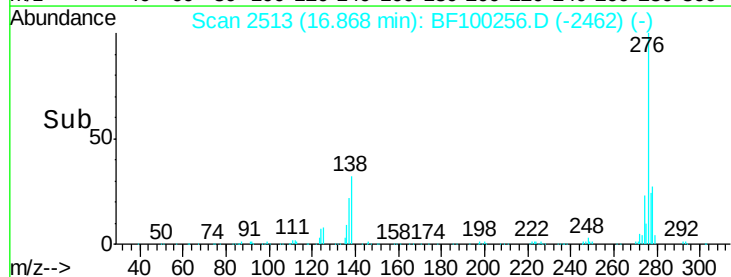
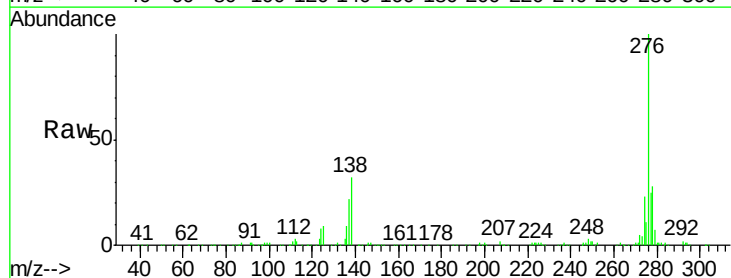
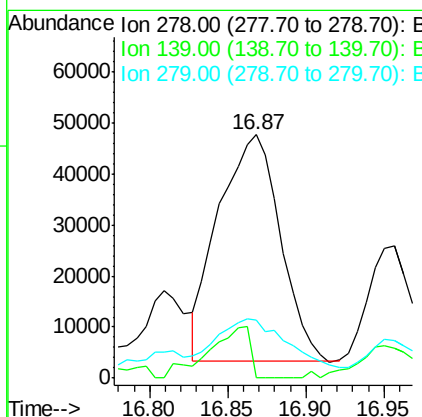
Manual Integrations
APPROVED

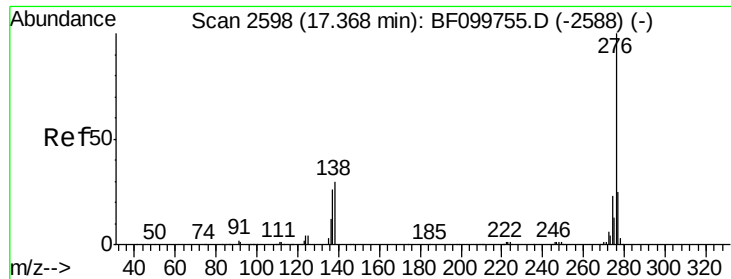
Sohil
11/7/2017 5:39:49 PM



#90
Dibenzo(a,h)anthracene
Concen: 14.987 ng m
RT: 16.87 min Scan# 2513
Delta R.T. -0.00 min
Lab File: BF100256.D
Acq: 6 Nov 2017 17:45

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9#
279	24.0	19.0	28.4





#91
 Benzo(g,h,i)perylene
 Concen: 51.949 ng
 RT: 17.32 min Scan# 2590
 Delta R.T. 0.01 min
 Lab File: BF100256.D
 Acq: 6 Nov 2017 17:45

Instrument :
 BNA_F
 ClientSampleId :
 EPE-110-1(0-5)

Tgt Ion:	276	Resp:	416268
Ion Ratio		Lower	Upper
276	100		
277	24.9	17.9	26.9
138	29.2	21.8	32.8

Manual Integrations
 APPROVED

Sohil
 11/7/2017 5:39:49 PM

