

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080217\
 Data File : BF097294.D
 Acq On : 3 Aug 2017 00:53
 Operator : SJ/JU
 Sample : I4539-05
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-5

Manual Integrations
 APPROVED

Sohil
 8/3/2017 6:08:26 PM

Quant Time: Aug 03 02:16:04 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 14:11:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.45	152	87315	20.00	ng	-0.05
21) Naphthalene-d8	7.73	136	359460	20.00	ng	-0.05
38) Acenaphthene-d10	9.47	164	148140	20.00	ng	-0.06
63) Phenanthrene-d10	10.95	188	212347	20.00	ng	-0.05
75) Chrysene-d12	13.57	240	162021	20.00	ng	-0.05
86) Perylene-d12	14.92	264	122974	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.05	112	603546	104.20	ng	-0.05
7) Phenol-d6	6.12	99	698193	105.59	ng	-0.05
23) Nitrobenzene-d5	7.02	82	400077	65.29	ng	-0.05
41) 2,4,6-Tribromophenol	10.27	330	113929	97.34	ng	-0.05
44) 2-Fluorobiphenyl	8.82	172	643080	73.67	ng	-0.05
78) Terphenyl-d14	12.53	244	382802	48.17	ng	-0.05
Target Compounds						Qvalue
49) Dimethylphthalate	9.21	163	141932	12.617	ng	100
57) Fluorene	10.02	166	32366	3.840	ng	96
70) Phenanthrene	10.97	178	355984	31.288	ng	98
71) Anthracene	11.03	178	74570	6.399	ng	97
72) Carbazole	11.19	167	27083	2.363	ng	99
74) Fluoranthene	12.16	202	510467	45.798	ng	98
77) Pyrene	12.38	202	432239	32.587	ng	99
80) Benzo(a)anthracene	13.56	228	211510	20.176	ng	98
82) Chrysene	13.60	228	185512	18.122	ng	99
85) Indeno(1,2,3-cd)pyrene	16.12	276	60249	6.864	ng	95
87) Benzo(b)fluoranthene	14.57	252	200571m	27.133	ng	
88) Benzo(k)fluoranthene	14.59	252	62683m	8.899	ng	
89) Benzo(a)pyrene	14.87	252	130884	19.346	ng	99
90) Dibenzo(a,h)anthracene	16.12	278	15358m	2.768	ng	
91) Benzo(a,h,i)perylene	16.48	276	55328	9.510	ng	95

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

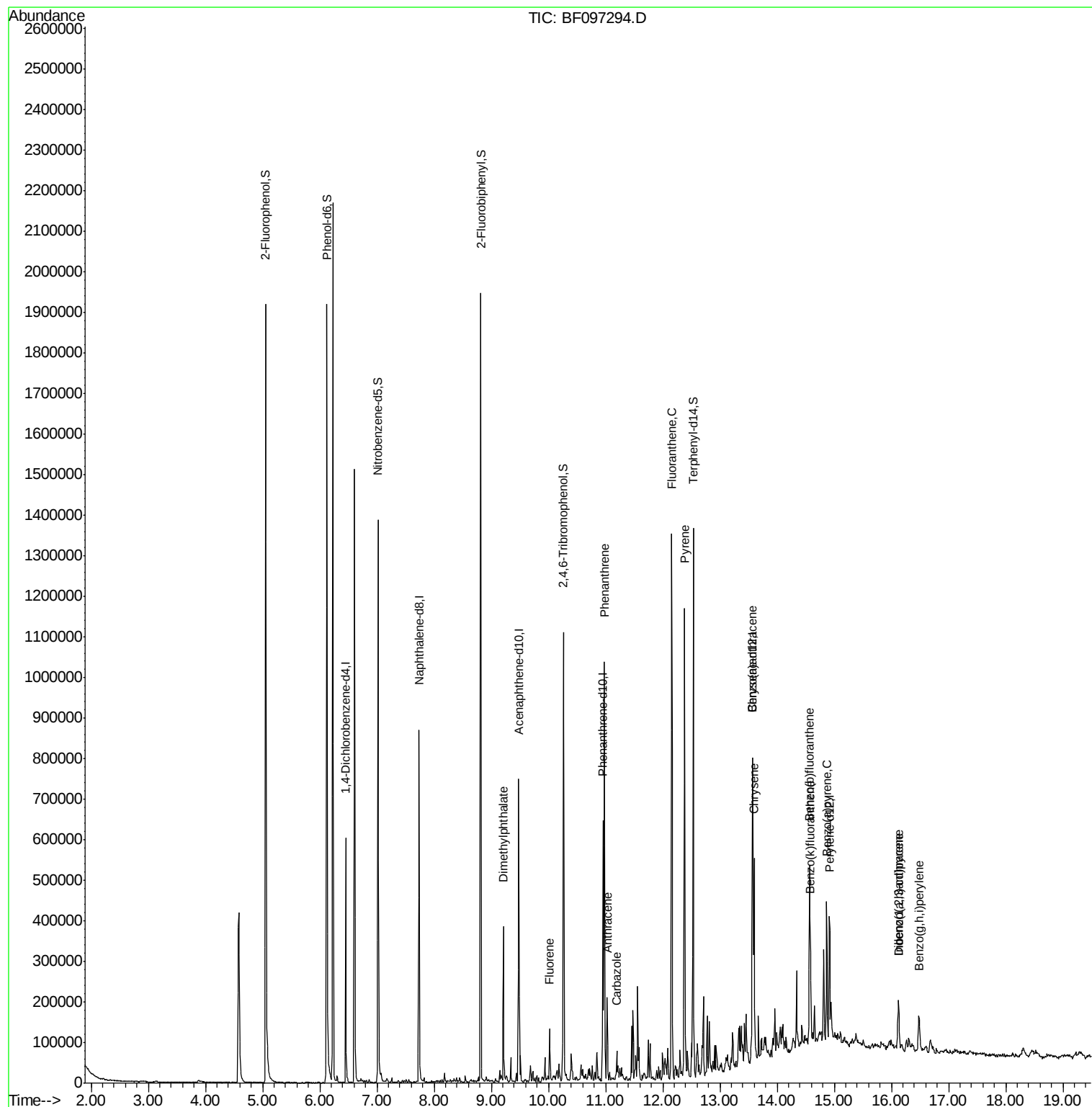
Data Path : Z:\HPCHEM1\BNA F\DATA\BF080217\
Data File : BF097294.D
Acq On : 3 Aug 2017 00:53
Operator : SJ/JU
Sample : I4539-05
Misc :
ALS Vial : 25 Sample Multiplier: 1

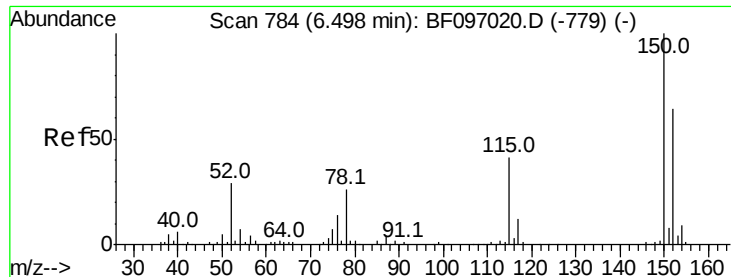
Instrument :
BNA_F
ClientSampled :
TP-5

Manual Integrations
APPROVED

Sohil
8/3/2017 6:08:26 PM

Quant Time: Aug 03 02:16:04 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 25 14:11:51 2017
Response via : Initial Calibration





#1

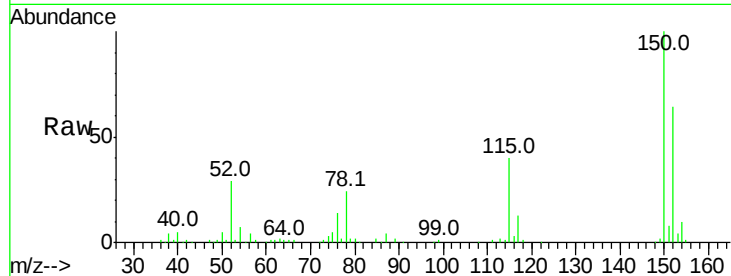
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.45 min Scan# 776
Delta R.T. -0.05 min
Lab File: BF097294.D
Acq: 3 Aug 2017 00:53

Instrument :
BNA_F
ClientSampled :
TP-5

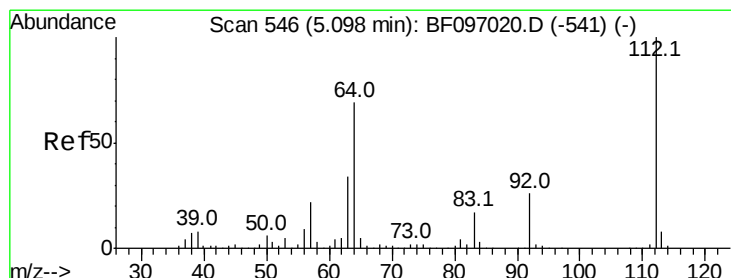
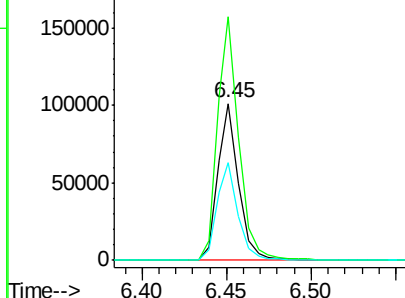
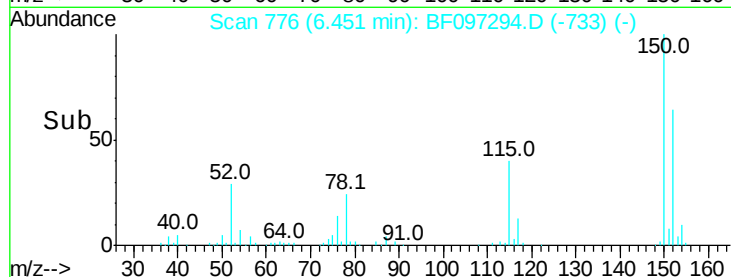
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.0	126.2	189.2
115	61.8	52.2	78.2

Manual Integrations
APPROVED

Sohil
8/3/2017 6:08:26 PM



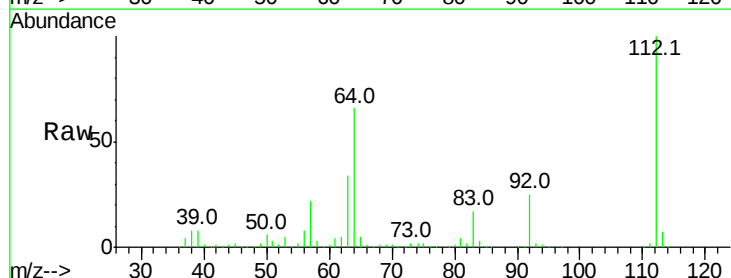
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



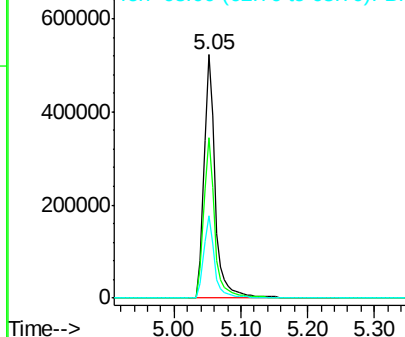
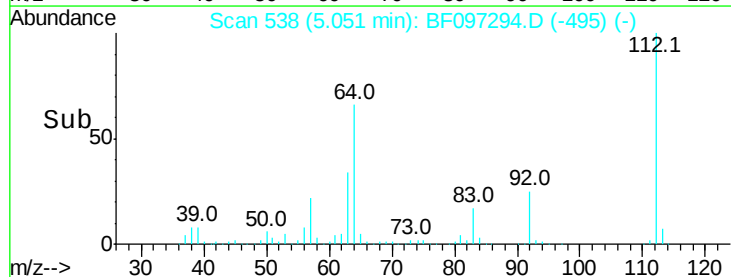
#5

2-Fluorophenol
Concen: 104.202 ng
RT: 5.05 min Scan# 538
Delta R.T. -0.05 min
Lab File: BF097294.D
Acq: 3 Aug 2017 00:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.8	46.0	69.0
63	33.9	23.4	35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 105.589 ng

RT: 6.12 min Scan# 720

Delta R.T. -0.05 min

Lab File: BF097294.D

Acq: 3 Aug 2017 00:53

Instrument :

BNA_F

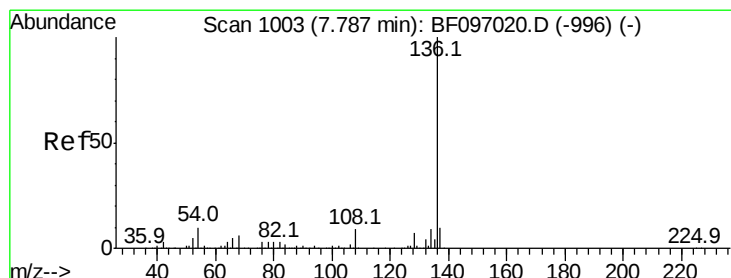
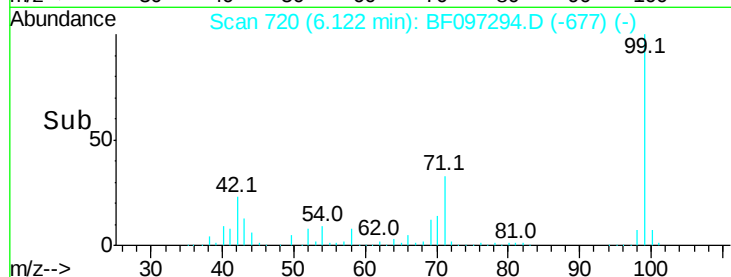
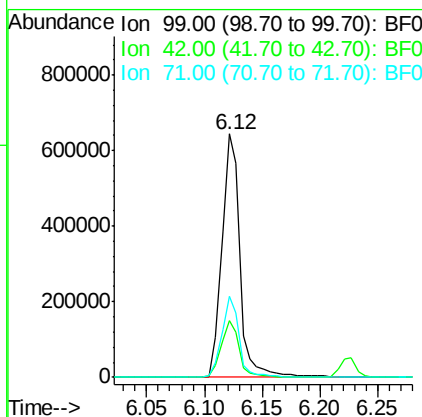
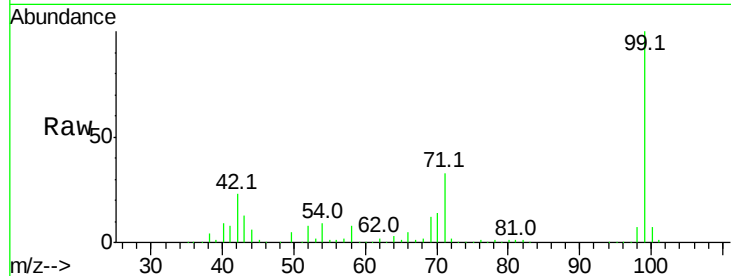
ClientSampled :

TP-5

Tot Ion:	99	Resp:	698193
Ion Ratio	Lower	Upper	
99	100		
42	23.5	13.5	20.3#
71	33.1	24.5	36.7

Manual Integrations
APPROVED

Sohil
8/3/2017 6:08:26 PM



#21

Naphthalene-d8

Concen: 20.000 ng

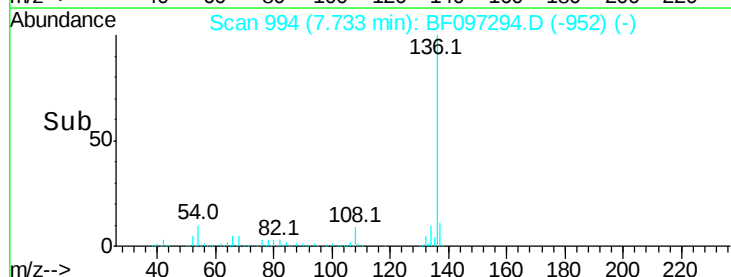
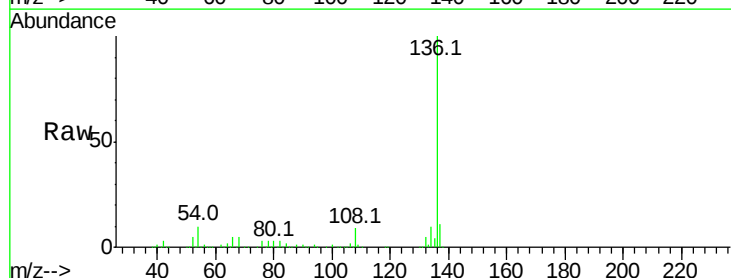
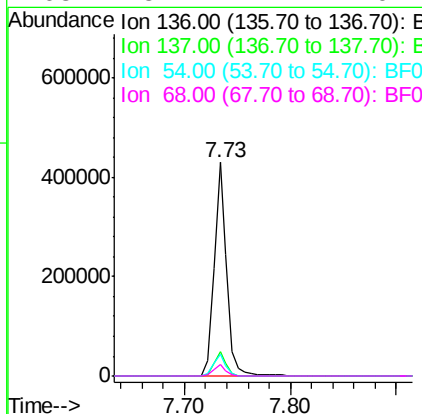
RT: 7.73 min Scan# 994

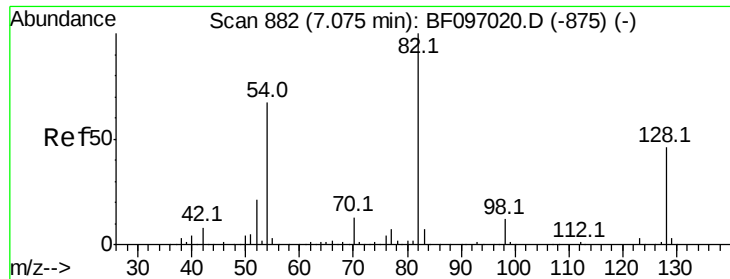
Delta R.T. -0.05 min

Lab File: BF097294.D

Acq: 3 Aug 2017 00:53

Tgt Ion:	136	Resp:	359460
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.5	12.7
54	10.3	4.9	7.3#
68	5.2	4.1	6.1





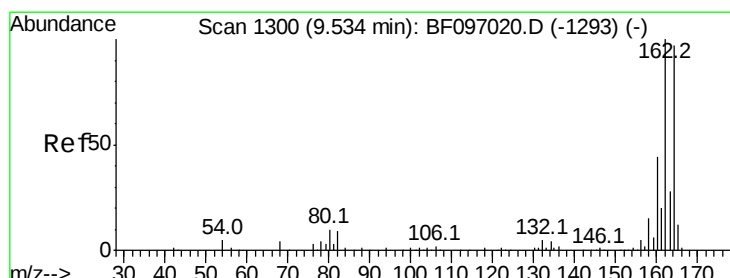
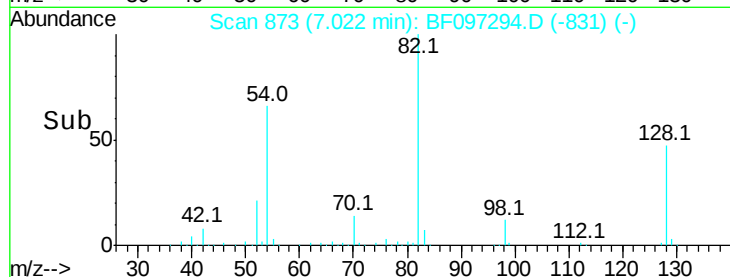
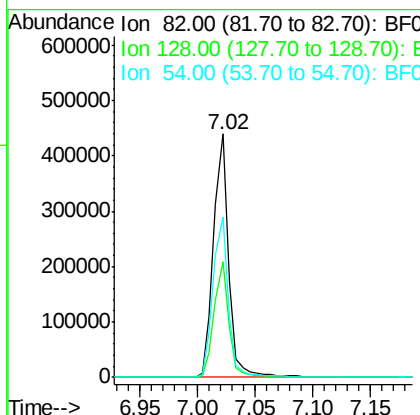
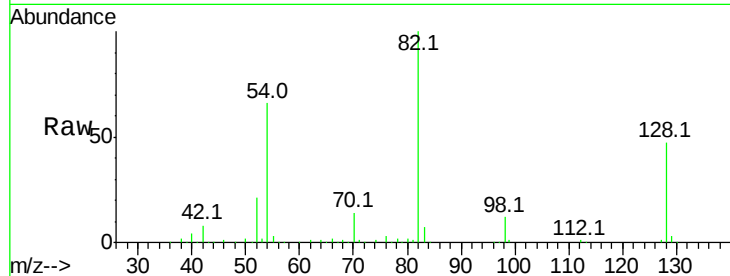
#23
 Nitrobenzene-d5
 Concen: 65.293 ng
 RT: 7.02 min Scan# 873
 Delta R.T. -0.05 min
 Lab File: BF097294.D
 Acq: 3 Aug 2017 00:53

Instrument :
 BNA_F
 ClientSampled :
 TP-5

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.3	34.0	51.0
54	66.1	42.2	63.2

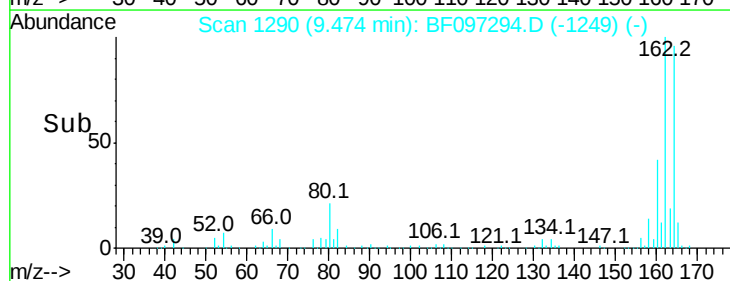
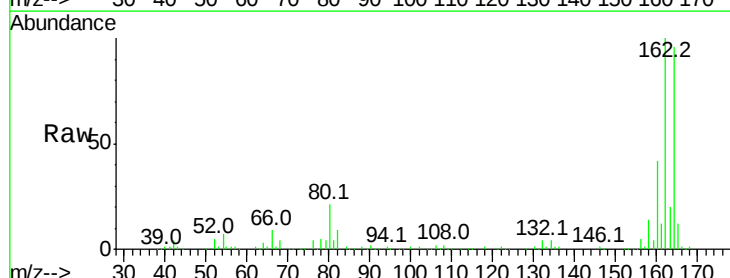
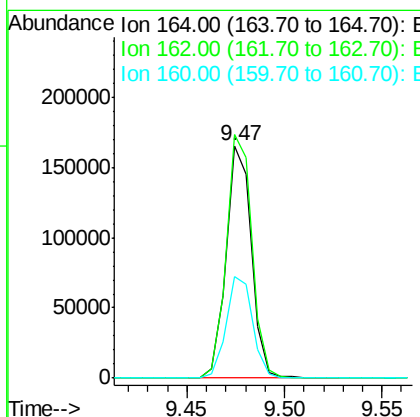
Manual Integrations
 APPROVED

Sohil
 8/3/2017 6:08:26 PM



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.47 min Scan# 1290
 Delta R.T. -0.06 min
 Lab File: BF097294.D
 Acq: 3 Aug 2017 00:53

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.7	82.6	123.8
160	43.7	36.2	54.2





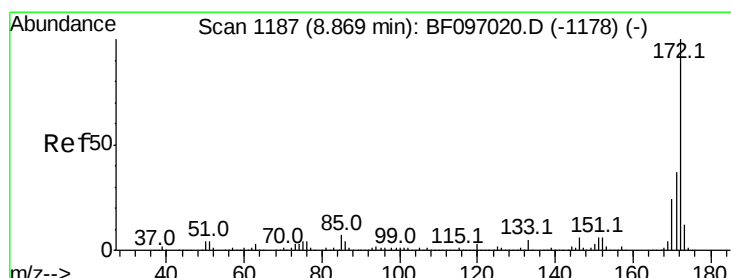
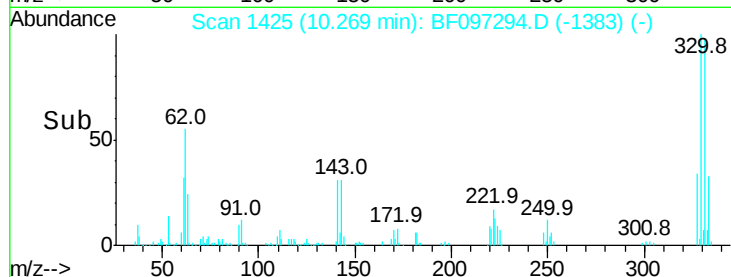
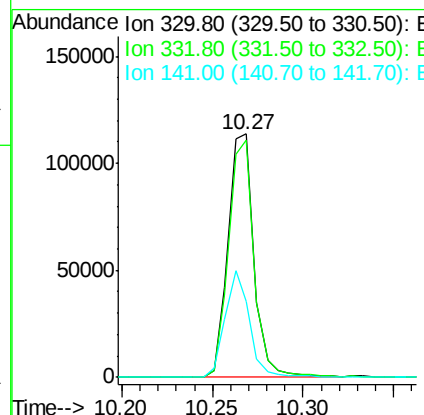
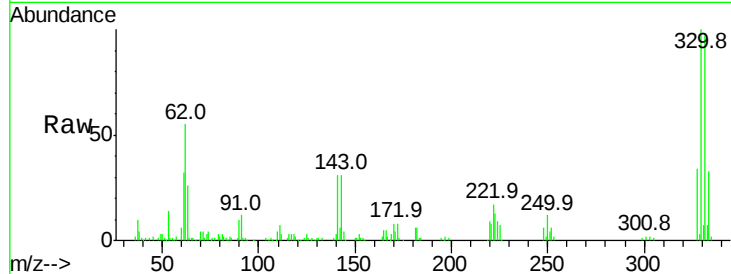
#41
 2,4,6-Tribromophenol
 Concen: 97.338 ng
 RT: 10.27 min Scan# 1425
 Delta R.T. -0.05 min
 Lab File: BF097294.D
 Acq: 3 Aug 2017 00:53

Instrument :
 BNA_F
 ClientSampled :
 TP-5

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.2	76.6	115.0	
141	41.1	31.4	47.2	

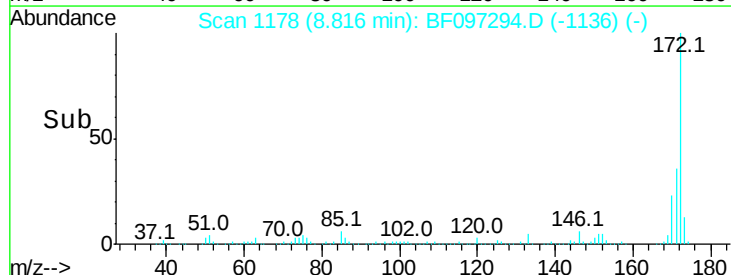
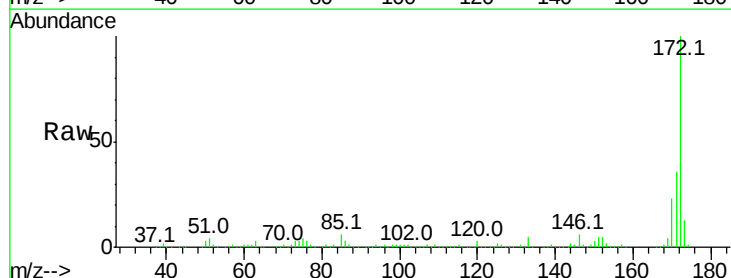
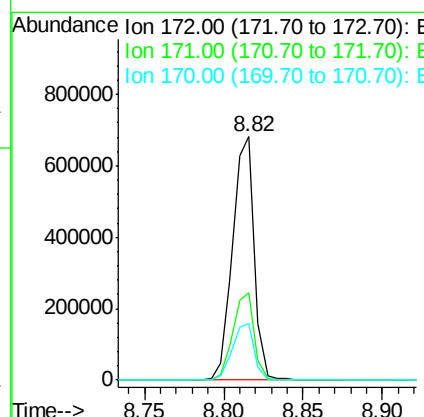
Manual Integrations
 APPROVED

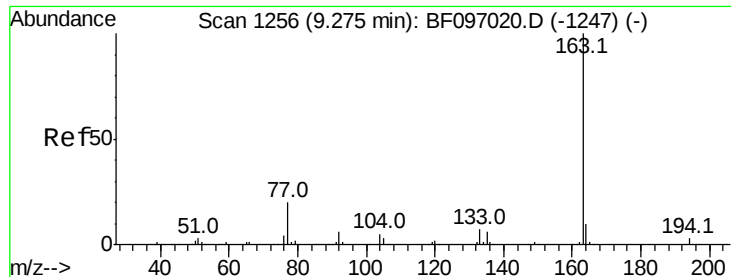
Sohil
 8/3/2017 6:08:26 PM



#44
 2-Fluorobiphenyl
 Concen: 73.671 ng
 RT: 8.82 min Scan# 1178
 Delta R.T. -0.05 min
 Lab File: BF097294.D
 Acq: 3 Aug 2017 00:53

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.9	29.6	44.4	
170	23.5	19.8	29.8	





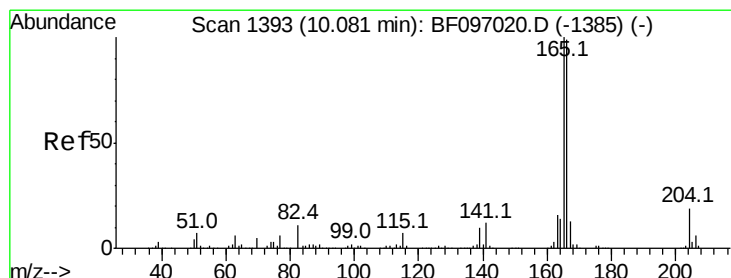
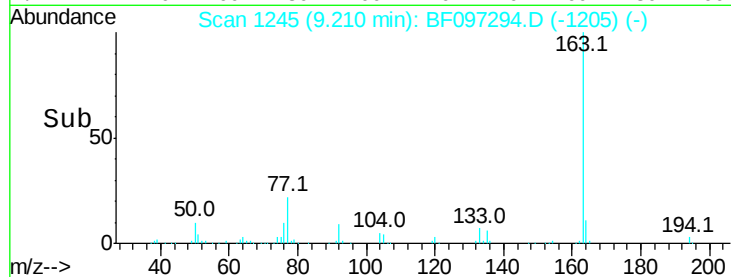
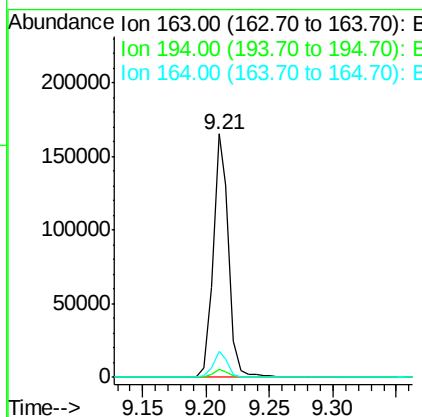
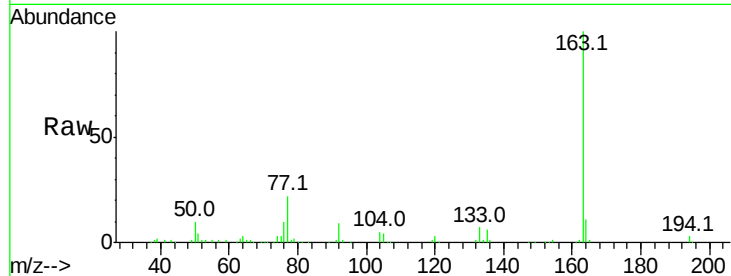
#49
Dimethylphthalate
Concen: 12.617 ng
RT: 9.21 min Scan# 1245
Delta R.T. -0.06 min
Lab File: BF097294.D
Acq: 3 Aug 2017 00:53

Instrument :
BNA_F
ClientSampleId :
TP-5

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.3	2.6	4.0	
164	10.6	8.4	12.6	

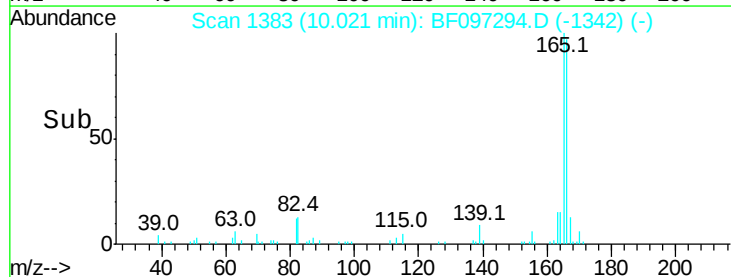
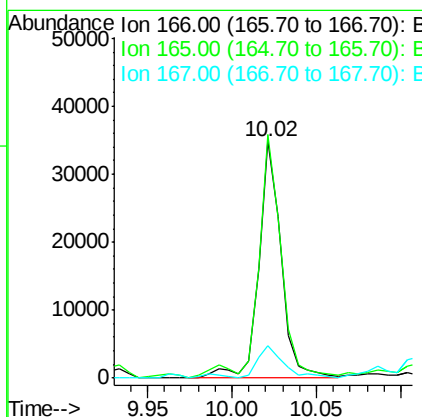
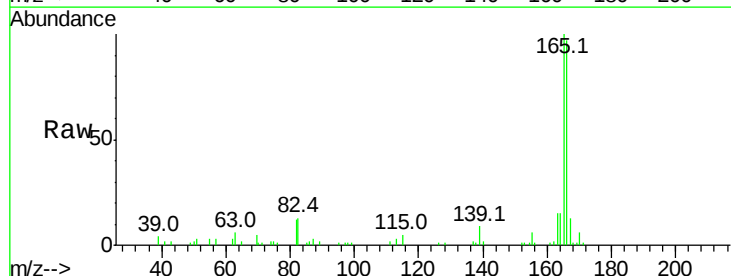
Manual Integrations
APPROVED

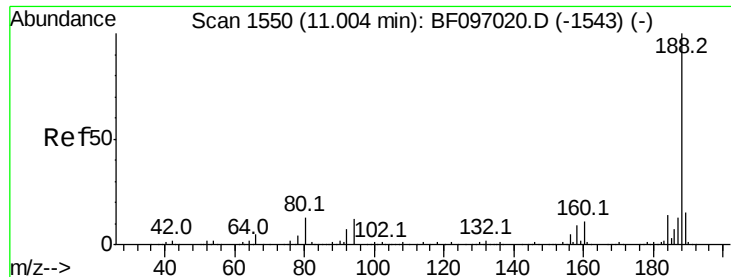
Sohil
8/3/2017 6:08:26 PM



#57
Fluorene
Concen: 3.840 ng
RT: 10.02 min Scan# 1383
Delta R.T. -0.06 min
Lab File: BF097294.D
Acq: 3 Aug 2017 00:53

Tgt Ion	Ratio	Resp	Lower	Upper
166	100			
165	102.8	78.8	118.2	
167	13.5	10.6	16.0	





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 10.95 min Scan# 1541

Delta R.T. -0.05 min

Lab File: BF097294.D

Acq: 3 Aug 2017 00:53

Instrument :

BNA_F

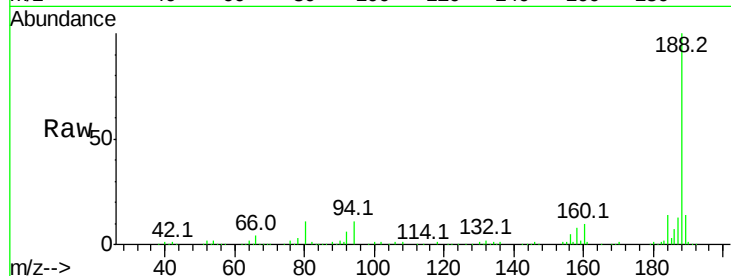
ClientSampleId :

TP-5

Tot Ion:188	Resp:	212347
Ion Ratio	Lower	Upper
188 100		
94 10.7	9.4	14.2
80 10.5	10.2	15.2

Manual Integrations
APPROVED

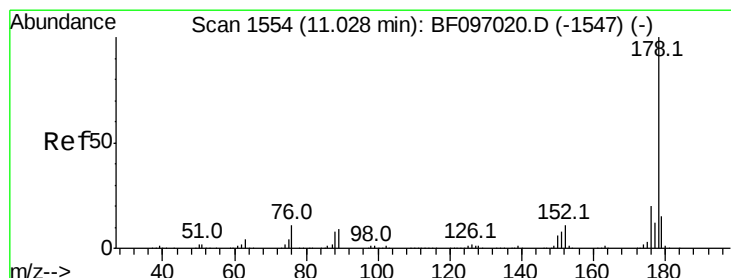
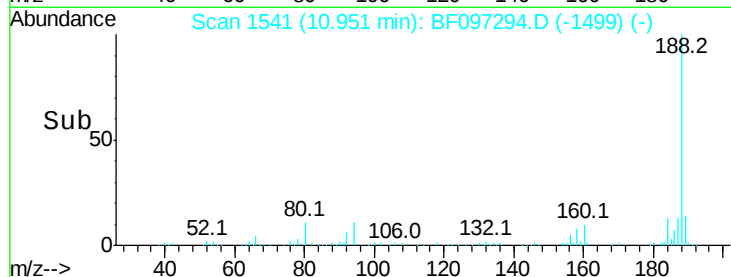
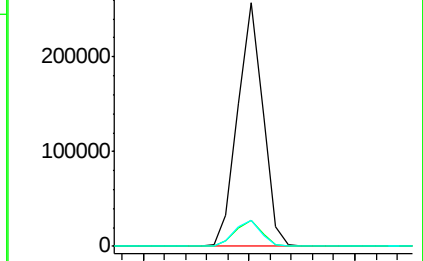
Sohil
8/3/2017 6:08:26 PM



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#70

Phenanthrene

Concen: 31.288 ng

RT: 10.97 min Scan# 1545

Delta R.T. -0.05 min

Lab File: BF097294.D

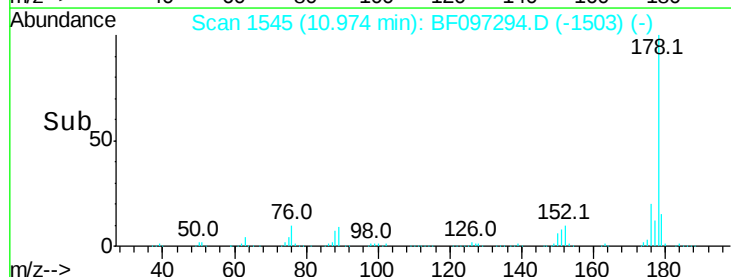
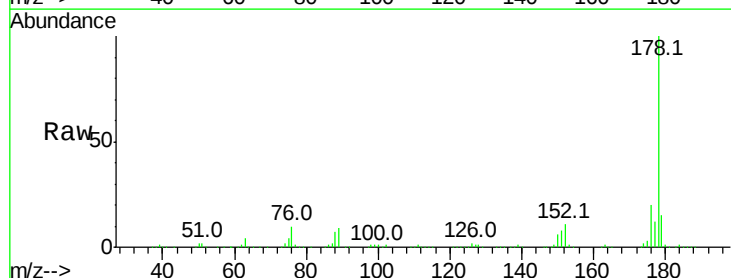
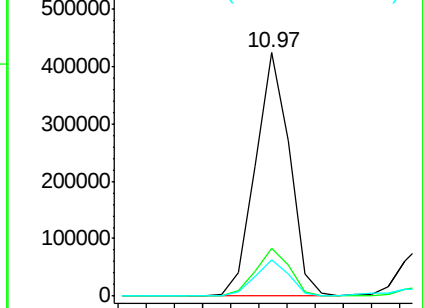
Acq: 3 Aug 2017 00:53

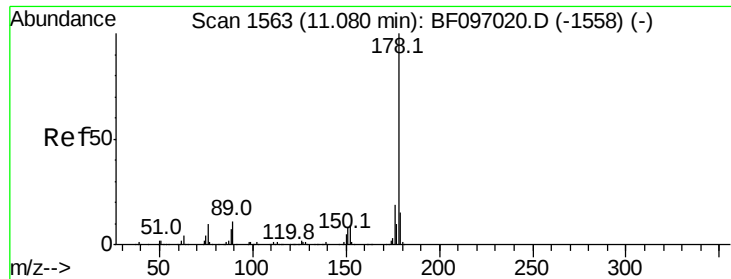
Tgt Ion:178	Resp:	355984
Ion Ratio	Lower	Upper
178 100		
176 19.7	16.2	24.4
179 14.9	12.6	19.0

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





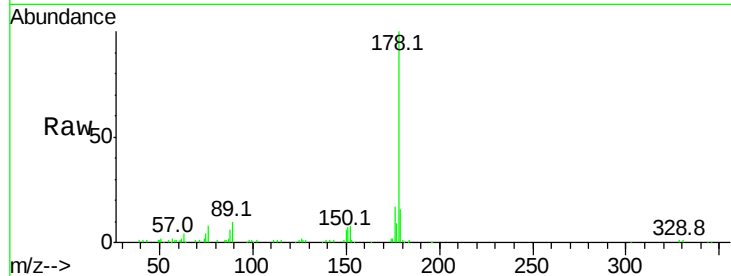
#71
 Anthracene
 Concen: 6.399 ng
 RT: 11.03 min Scan# 1554
 Delta R.T. -0.05 min
 Lab File: BF097294.D
 Acq: 3 Aug 2017 00:53

Instrument :
 BNA_F
 ClientSampled :
 TP-5

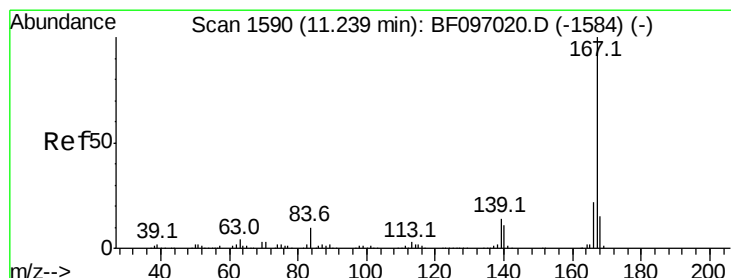
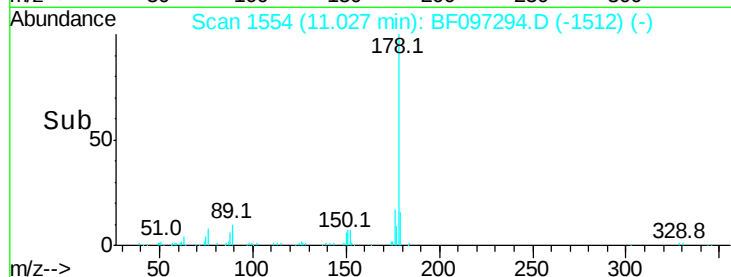
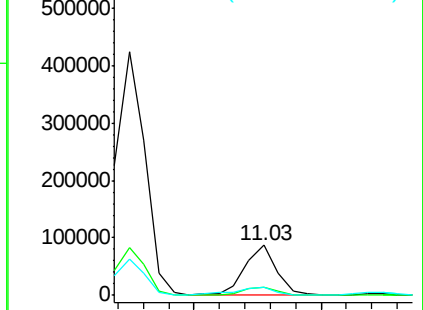
Tot Ion	Ratio	Lower	Upper
178	100		
176	17.5	15.8	23.8
179	15.7	12.7	19.1

Manual Integrations
 APPROVED

Sohil
 8/3/2017 6:08:26 PM

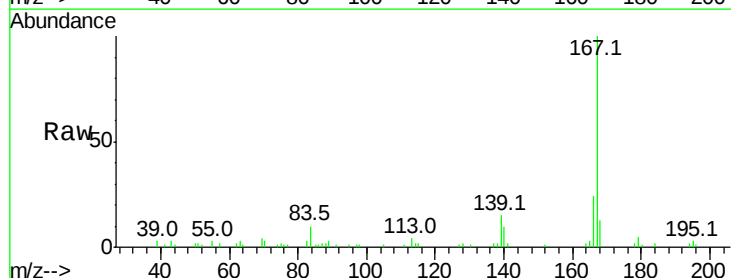


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

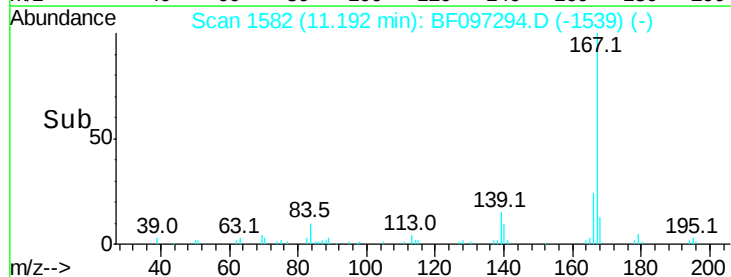
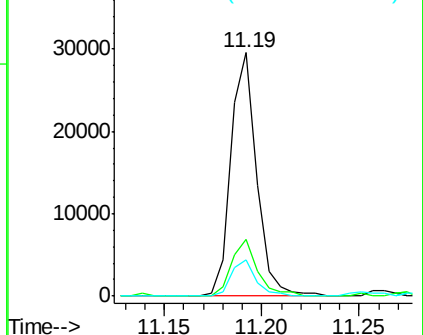


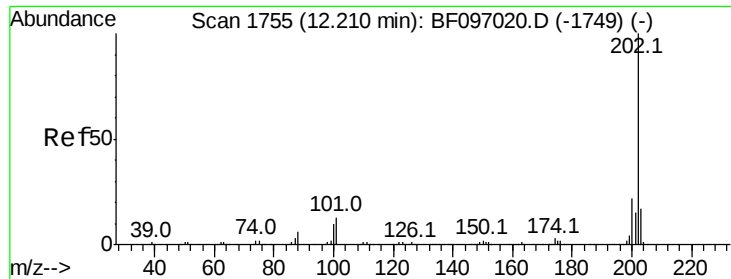
#72
 Carbazole
 Concen: 2.363 ng
 RT: 11.19 min Scan# 1582
 Delta R.T. -0.05 min
 Lab File: BF097294.D
 Acq: 3 Aug 2017 00:53

Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.5	18.1	27.1
139	14.8	11.7	17.5



Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 45.798 ng

RT: 12.16 min Scan# 1746

Delta R.T. -0.05 min

Lab File: BF097294.D

Acq: 3 Aug 2017 00:53

Instrument :

BNA_F

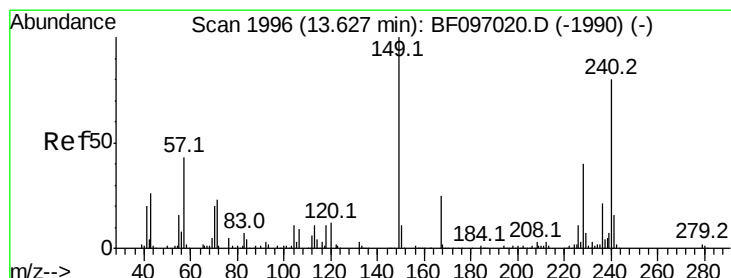
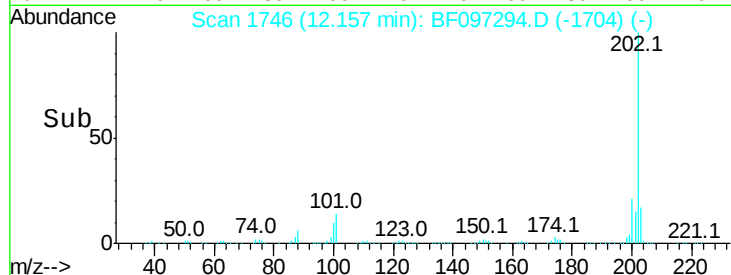
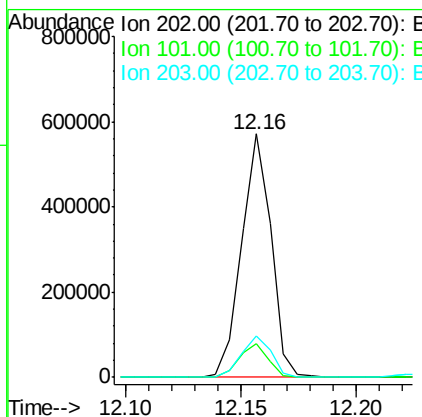
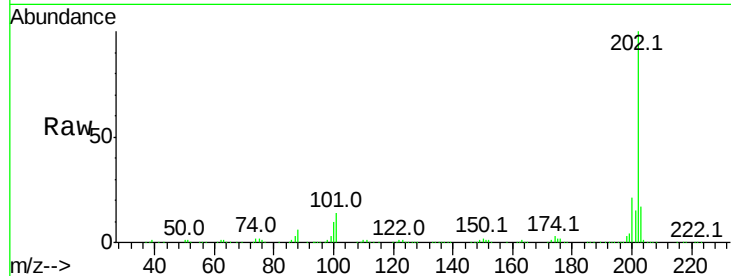
ClientSampleId :

TP-5

Tot Ion:	202	Resp:	510467
Ion Ratio	Lower	Upper	
202	100		
101	13.7	0.0	33.2
203	17.0	0.0	38.1

Manual Integrations
APPROVED

Sohil
8/3/2017 6:08:26 PM



#75

Chrysene-d12

Concen: 20.000 ng

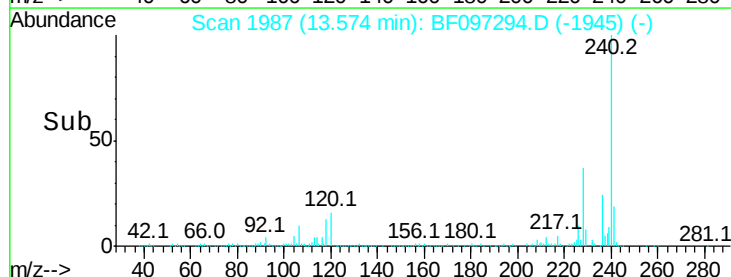
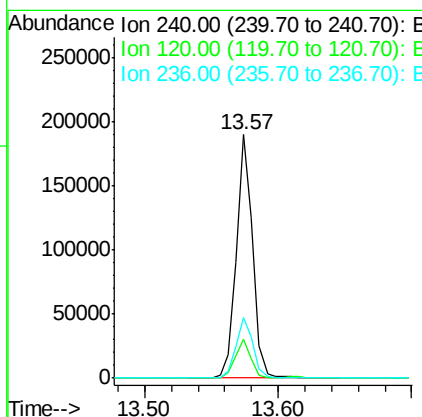
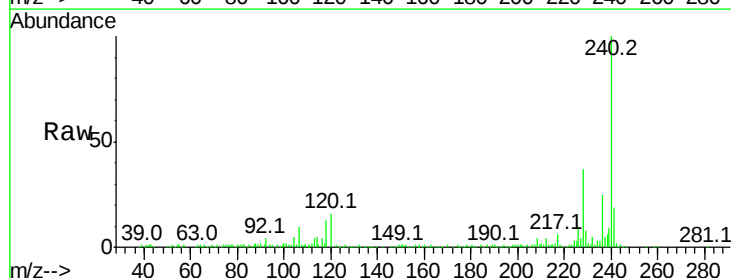
RT: 13.57 min Scan# 1987

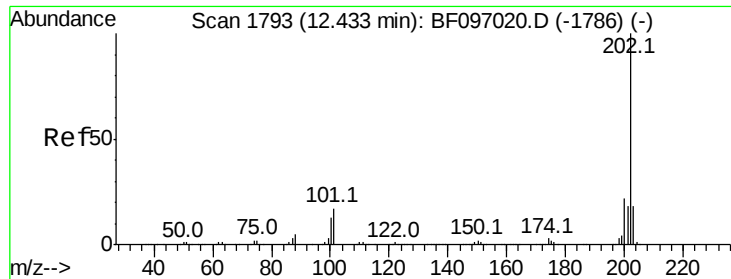
Delta R.T. -0.05 min

Lab File: BF097294.D

Acq: 3 Aug 2017 00:53

Tgt Ion:	240	Resp:	162021
Ion Ratio	Lower	Upper	
240	100		
120	15.9	5.8	8.8#
236	24.9	20.5	30.7





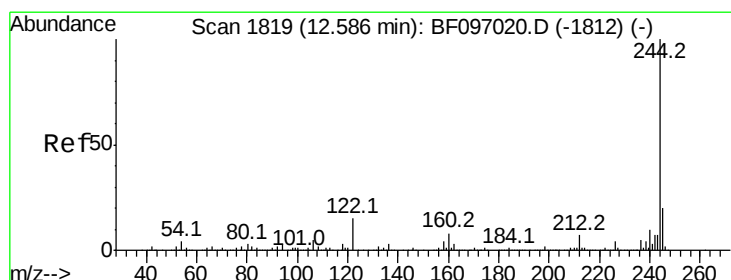
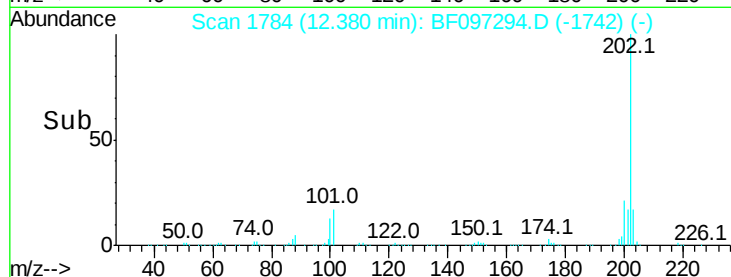
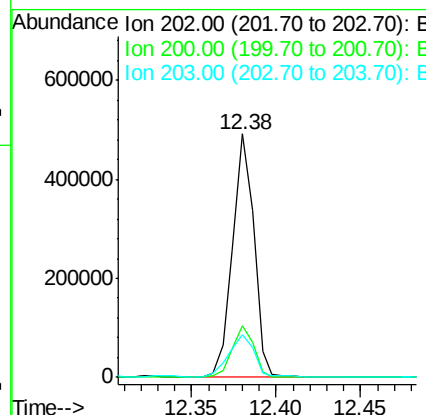
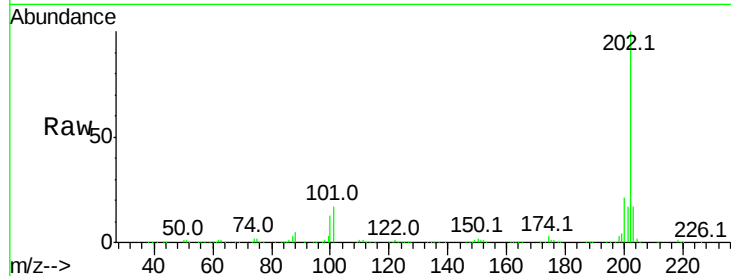
#77
Pvrene
Concen: 32.587 ng
RT: 12.38 min Scan# 1784
Delta R.T. -0.05 min
Lab File: BF097294.D
Acq: 3 Aug 2017 00:53

Instrument :
BNA_F
ClientSampleId :
TP-5

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.6	26.4
203	17.5	14.4	21.6

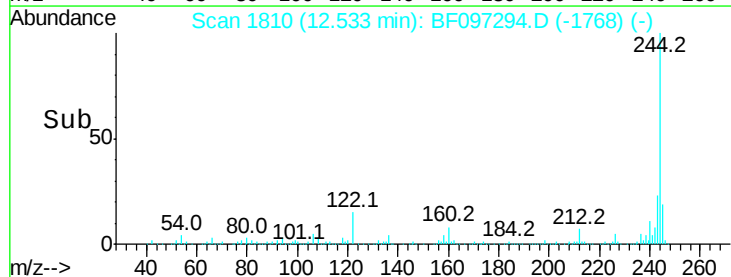
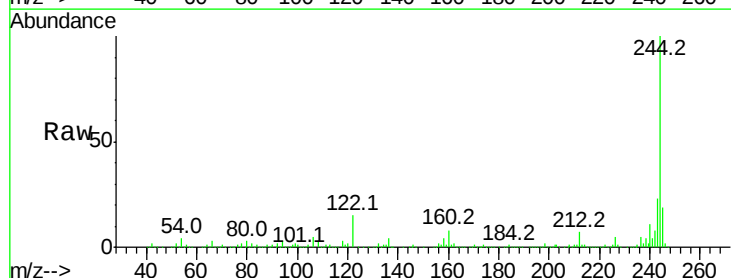
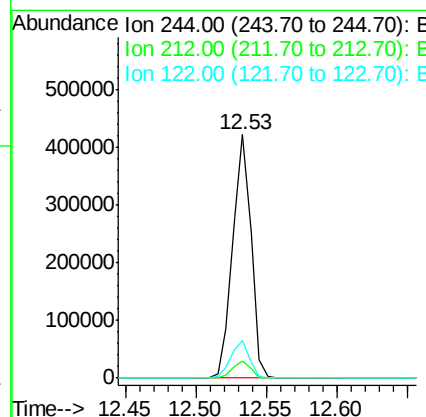
Manual Integrations
APPROVED

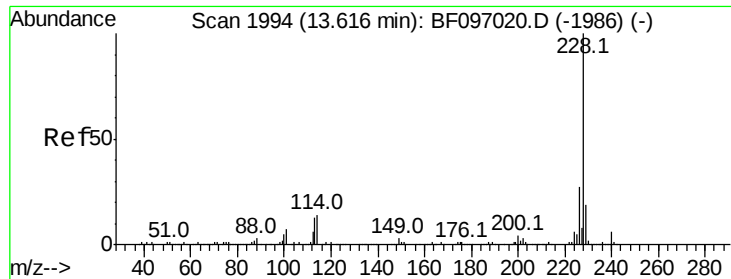
Sohil
8/3/2017 6:08:26 PM



#78
Terphenyl-d14
Concen: 48.171 ng
RT: 12.53 min Scan# 1810
Delta R.T. -0.05 min
Lab File: BF097294.D
Acq: 3 Aug 2017 00:53

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.0	9.0
122	15.4	10.3	15.5





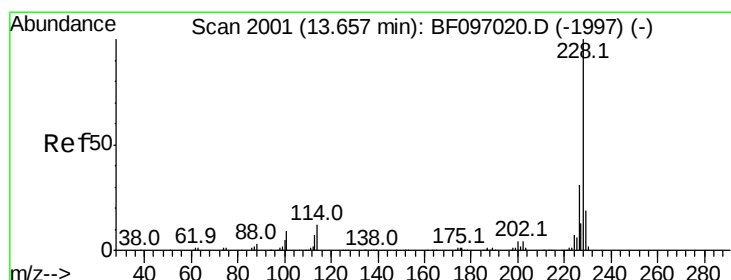
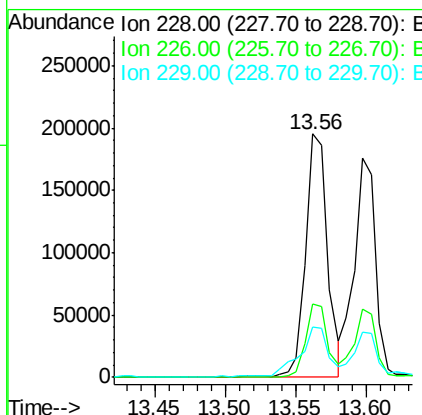
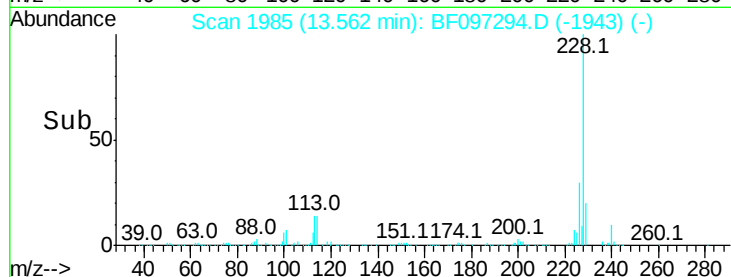
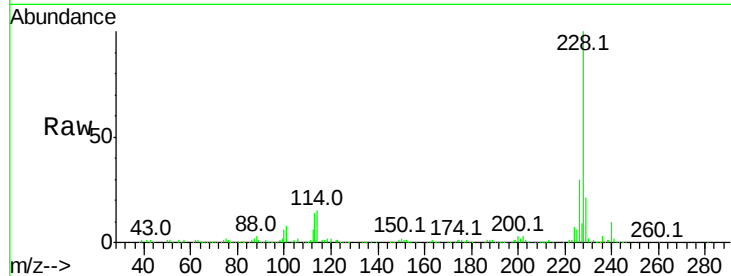
#80
Benzo(a)anthracene
Concen: 20.176 ng
RT: 13.56 min Scan# 1985
Delta R.T. -0.05 min
Lab File: BF097294.D
Acq: 3 Aug 2017 00:53

Instrument :
BNA_F
ClientSampled :
TP-5

Tot Ion:	228	Resp:	211510
Ion Ratio	Lower	Upper	
228	100		
226	30.3	22.6	33.8
229	20.6	16.3	24.5

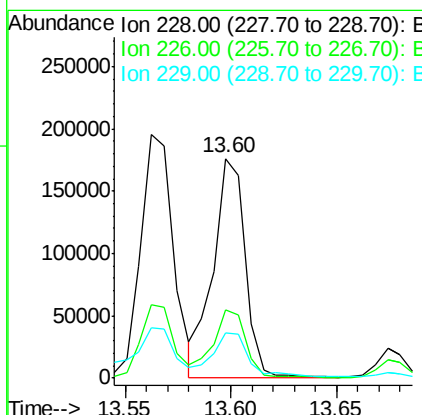
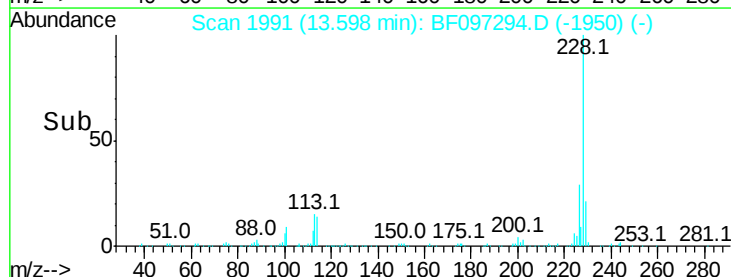
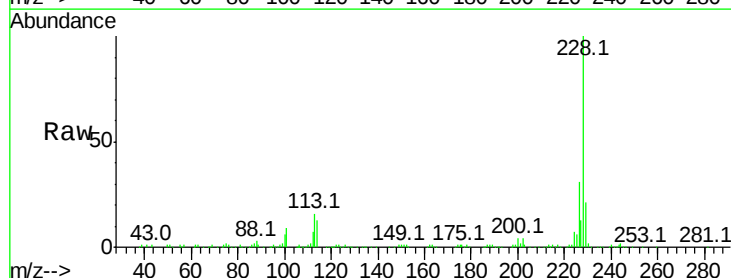
Manual Integrations
APPROVED

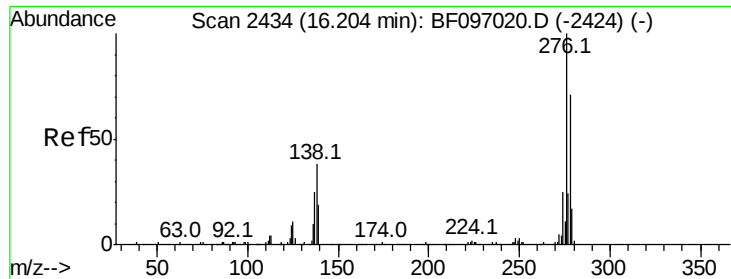
Sohil
8/3/2017 6:08:26 PM



#82
Chrysene
Concen: 18.122 ng
RT: 13.60 min Scan# 1991
Delta R.T. -0.06 min
Lab File: BF097294.D
Acq: 3 Aug 2017 00:53

Tgt Ion:	228	Resp:	185512
Ion Ratio	Lower	Upper	
228	100		
226	30.9	24.9	37.3
229	20.8	15.8	23.6





#85

Indeno(1,2,3-cd)pyrene

Concen: 6.864 ng

RT: 16.12 min Scan# 2420

Delta R.T. -0.08 min

Lab File: BF097294.D

Acq: 3 Aug 2017 00:53

Instrument :

BNA_F

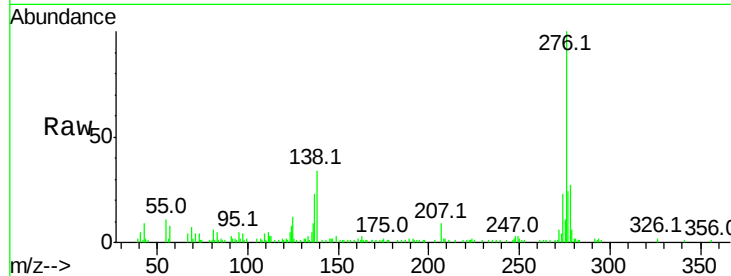
ClientSampled :

TP-5

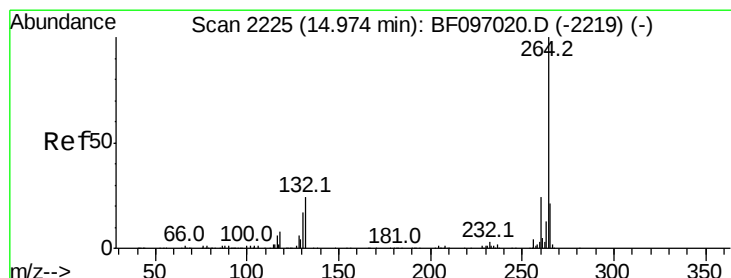
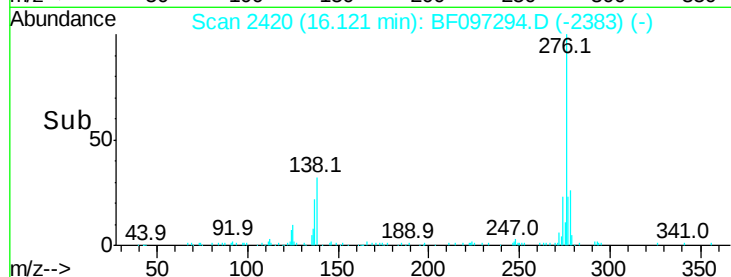
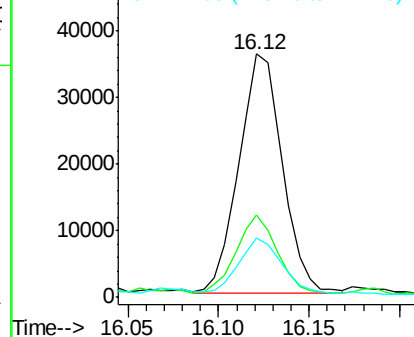
Tot Ion:	276	Resp:	60249
Ion Ratio	Lower	Upper	
276	100		
138	30.8	27.8	41.6
277	23.8	20.2	30.4

Manual Integrations
APPROVED

Sohil
8/3/2017 6:08:26 PM



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



#86

Perylene-d12

Concen: 20.000 ng

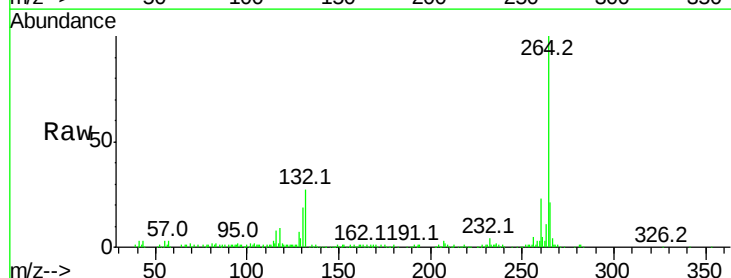
RT: 14.92 min Scan# 2215

Delta R.T. -0.06 min

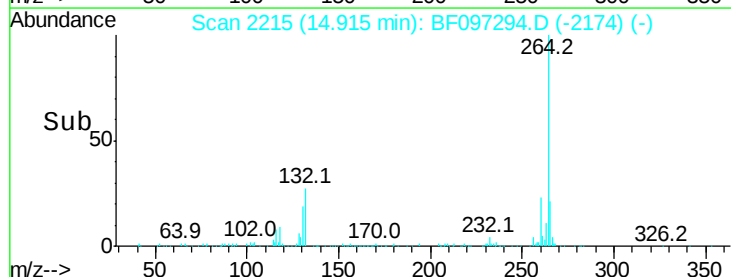
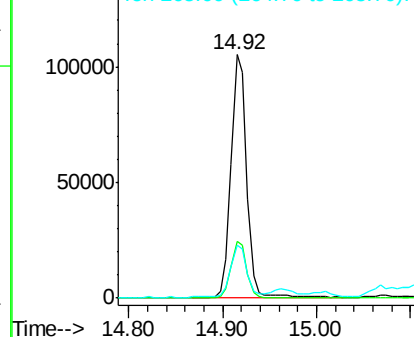
Lab File: BF097294.D

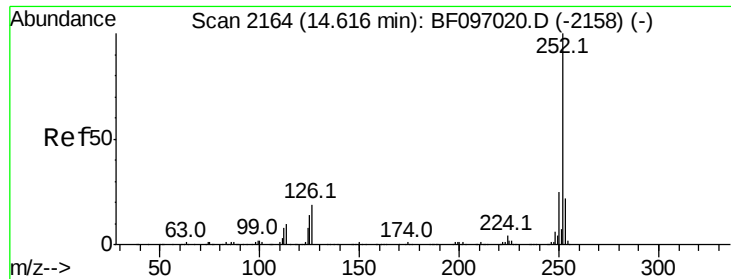
Acq: 3 Aug 2017 00:53

Tgt Ion:	264	Resp:	122974
Ion Ratio	Lower	Upper	
264	100		
260	23.2	19.5	29.3
265	21.5	17.2	25.8



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





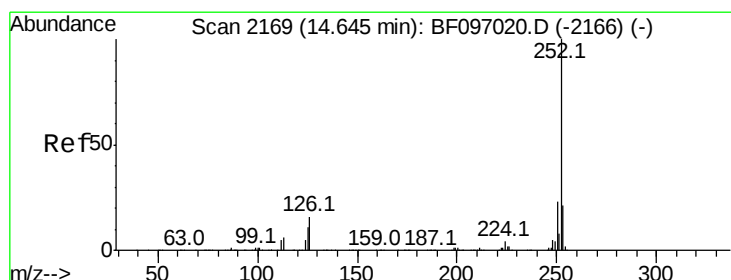
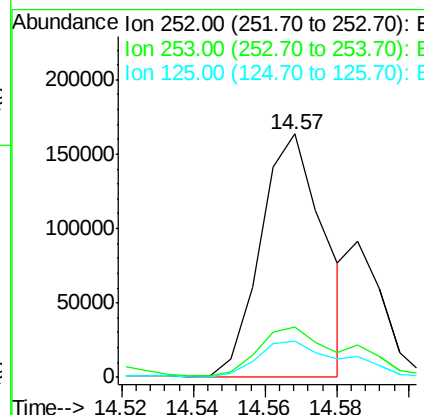
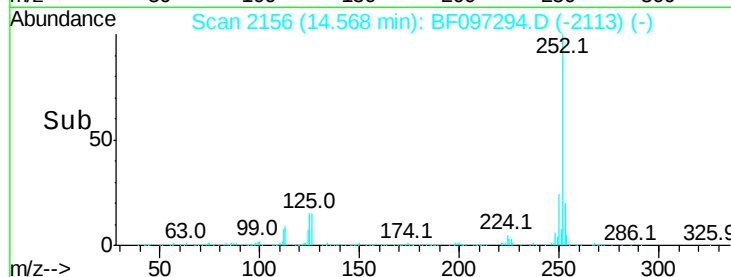
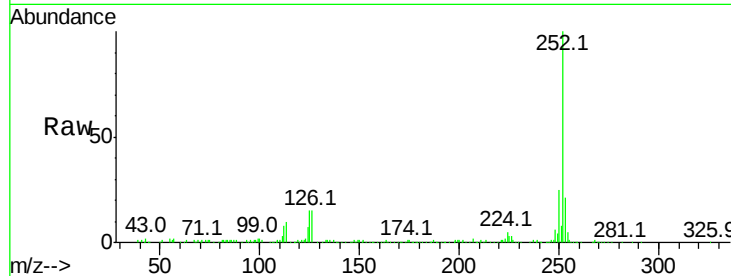
#87
Benzo(b)fluoranthene
Concen: 27.133 ng m
RT: 14.57 min Scan# 2156
Delta R.T. -0.05 min
Lab File: BF097294.D
Acq: 3 Aug 2017 00:53

Instrument :
BNA_F
ClientSampled :
TP-5

Tot Ion	Ratio	Lower	Upper
252	100		
253	20.7	18.1	27.1
125	14.8	9.8	14.8#

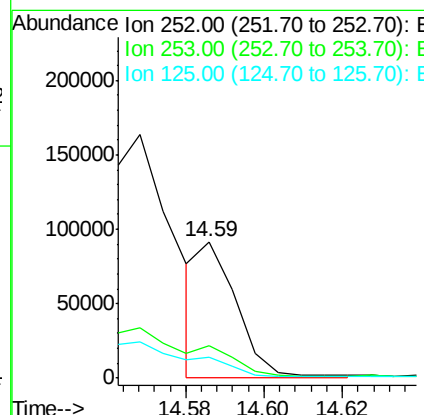
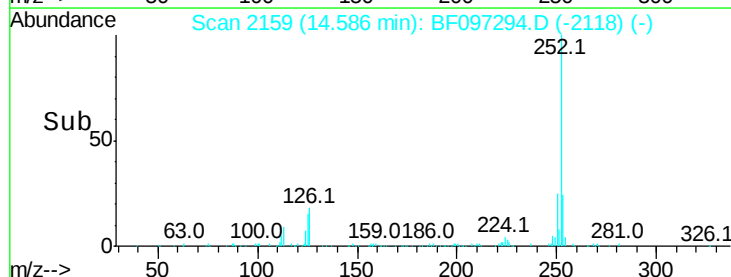
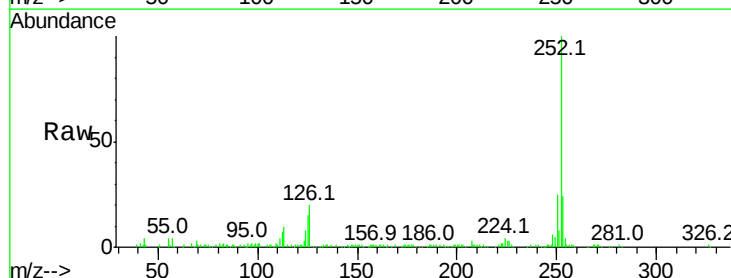
Manual Integrations
APPROVED

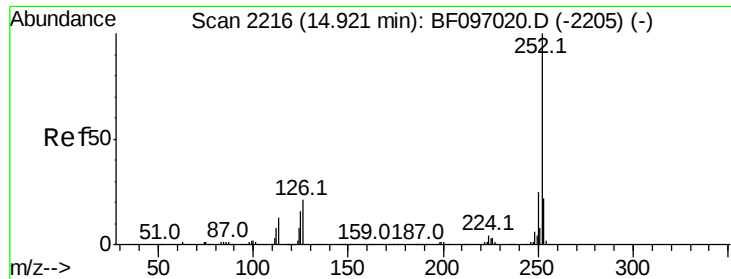
Sohil
8/3/2017 6:08:26 PM



#88
Benzo(k)fluoranthene
Concen: 8.899 ng m
RT: 14.59 min Scan# 2159
Delta R.T. -0.06 min
Lab File: BF097294.D
Acq: 3 Aug 2017 00:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.4	27.6
125	15.4	13.1	19.7





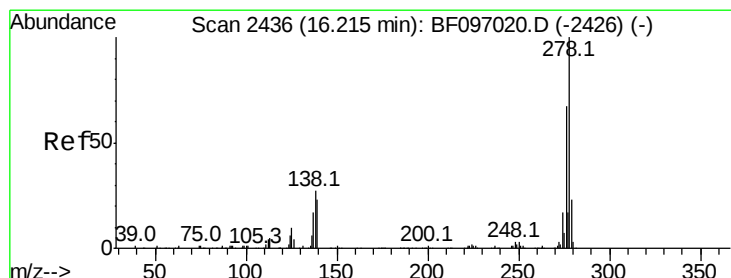
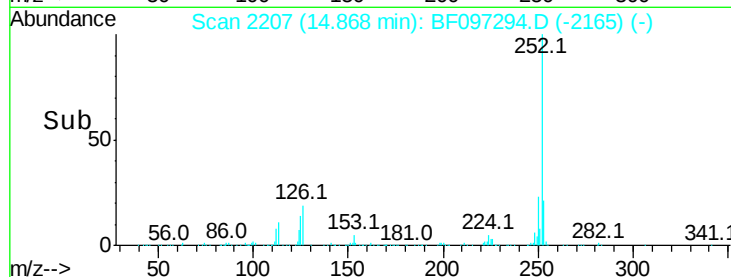
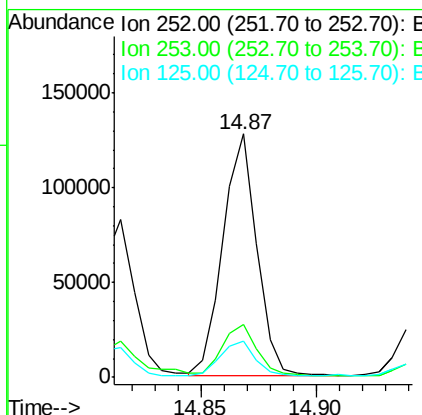
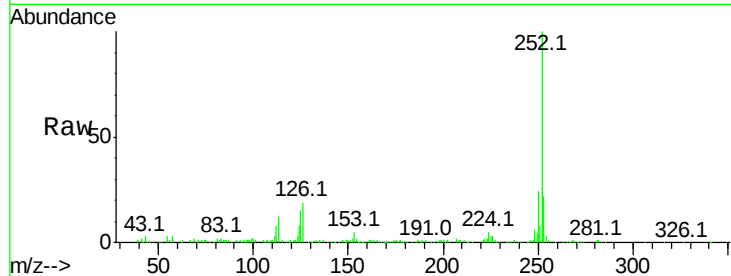
#89
Benzo(a)pyrene
Concen: 19.346 ng
RT: 14.87 min Scan# 2207
Delta R.T. -0.05 min
Lab File: BF097294.D
Acq: 3 Aug 2017 00:53

Instrument :
BNA_F
ClientSampleId :
TP-5

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	15.1	11.0	16.4

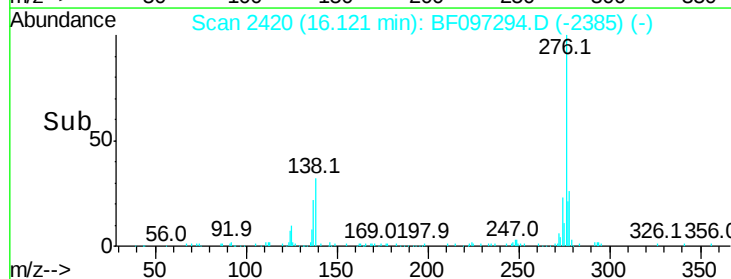
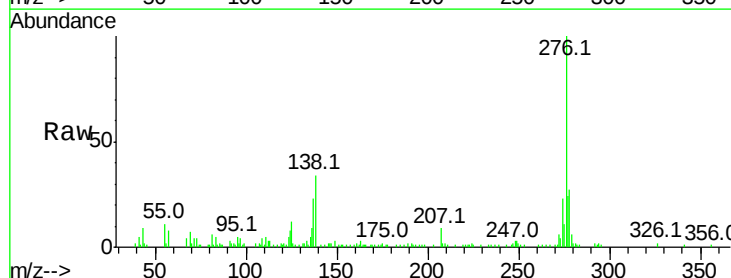
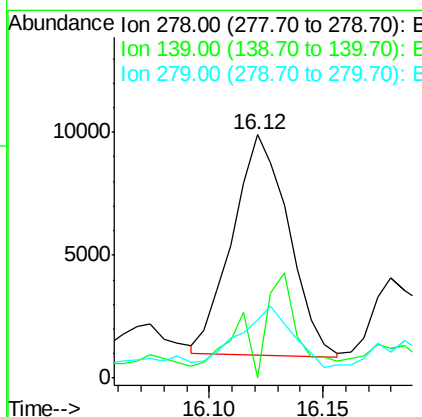
Manual Integrations
APPROVED

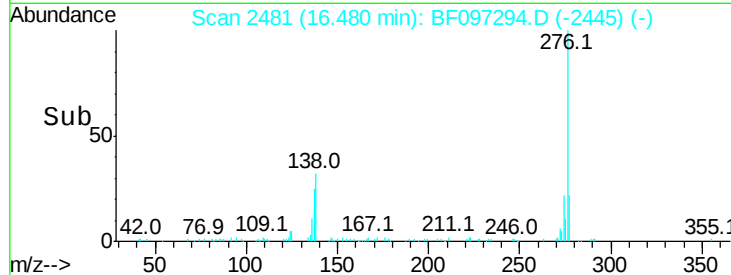
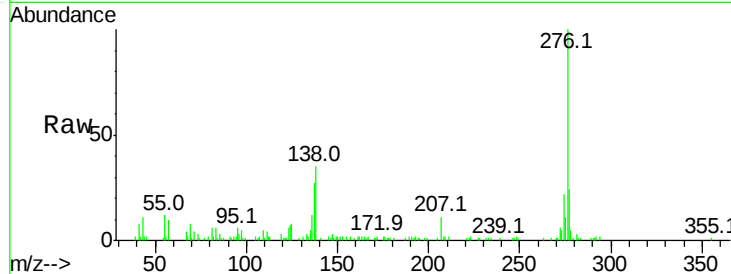
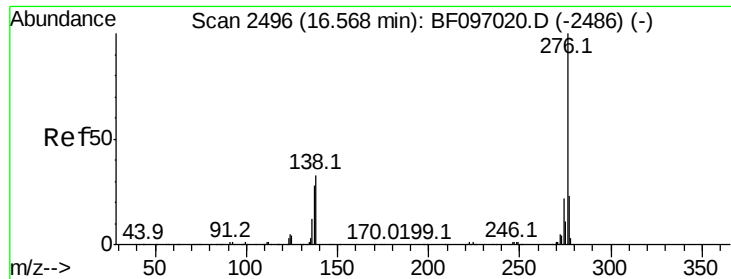
Sohil
8/3/2017 6:08:26 PM



#90
Dibenzo(a,h)anthracene
Concen: 2.768 ng m
RT: 16.12 min Scan# 2420
Delta R.T. -0.09 min
Lab File: BF097294.D
Acq: 3 Aug 2017 00:53

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	16.6	24.8#
279	23.9	19.3	28.9





#91
 Benzo(a,h,i)perylene
 Concen: 9.510 ng
 RT: 16.48 min Scan# 2481
 Delta R.T. -0.09 min
 Lab File: BF097294.D
 Acq: 3 Aug 2017 00:53

Instrument :
 BNA_F
 ClientSampleId :
 TP-5

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.4	18.6	28.0
138	35.4	25.4	38.0

Manual Integrations
 APPROVED

Sohil
 8/3/2017 6:08:26 PM

