

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100317\
 Data File : BF099037.D
 Acq On : 3 Oct 2017 18:30
 Operator : SJ/JU
 Sample : I5584-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1-COMP

Manual Integrations
 APPROVED

Sohil
 10/4/2017 7:21:18 PM

Quant Time: Oct 04 02:14:45 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 23 13:50:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	148067	20.00	ng	-0.05
21) Naphthalene-d8	8.15	136	608801	20.00	ng	-0.05
38) Acenaphthene-d10	9.91	164	271946	20.00	ng	-0.05
63) Phenanthrene-d10	11.40	188	459953	20.00	ng	-0.05
75) Chrysene-d12	14.03	240	249528	20.00	ng	-0.05
86) Perylene-d12	15.51	264	234622	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1129519	121.44	ng	-0.04
7) Phenol-d6	6.50	99	1388852	121.04	ng	-0.04
23) Nitrobenzene-d5	7.44	82	843594	88.86	ng	-0.05
41) 2,4,6-Tribromophenol	10.70	330	278445	125.13	ng	-0.05
44) 2-Fluorobiphenyl	9.23	172	1355286	83.20	ng	-0.05
78) Terphenyl-d14	12.98	244	961803	87.66	ng	-0.05
Target Compounds						
10) Phenol	6.52	94	35797	2.790	ng	94
49) Dimethylphthalate	9.62	163	309395	15.074	ng	99
51) Acenaphthene	9.94	154	36584	2.150	ng	99
57) Fluorene	10.46	166	43783	2.404	ng	99
70) Phenanthrene	11.42	178	398265	16.176	ng	98
71) Anthracene	11.47	178	131451	5.218	ng	99
74) Fluoranthene	12.61	202	550879	22.097	ng	98
77) Pyrene	12.84	202	441936	23.226	ng	100
80) Benzo(a)anthracene	14.02	228	132921	8.797	ng	99
82) Chrysene	14.06	228	120520	8.378	ng	97
85) Indeno(1,2,3-cd)pyrene	16.98	276	62823	5.459	ng	99
87) Benzo(b)fluoranthene	15.07	252	123152m	8.537	ng	
88) Benzo(k)fluoranthene	15.10	252	37459m	2.629	ng	
89) Benzo(a)pyrene	15.44	252	94135	7.109	ng	97
91) Benzo(a,h,i)perylene	17.43	276	67217	6.417	ng	95

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

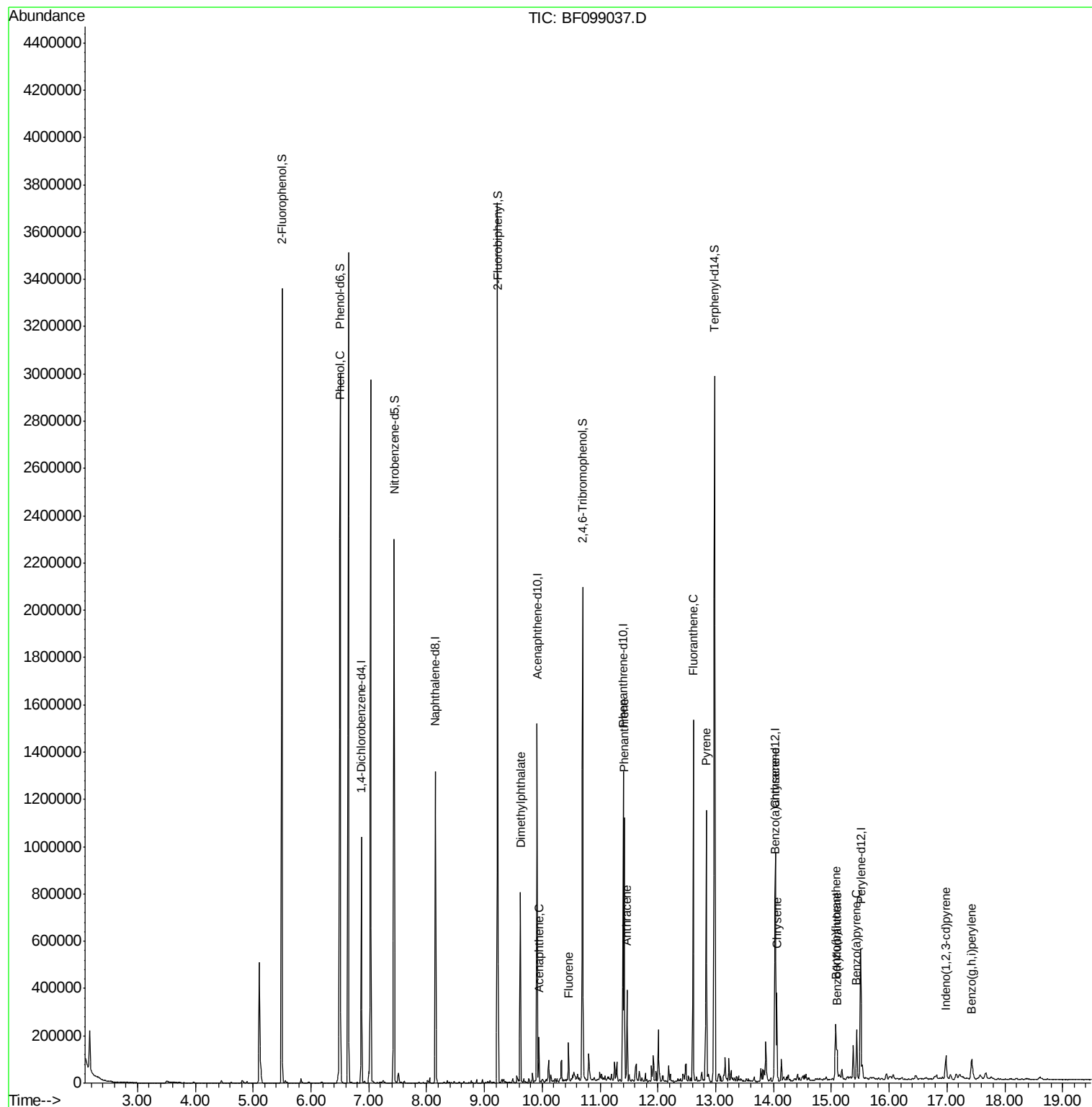
Data Path : Z:\HPCHEM1\BNA F\DATA\BF100317\
Data File : BF099037.D
Acq On : 3 Oct 2017 18:30
Operator : SJ/JU
Sample : I5584-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-1-COMP

Manual Integrations
APPROVED

Sohil
10/4/2017 7:21:18 PM

Quant Time: Oct 04 02:14:45 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 23 13:50:58 2017
Response via : Initial Calibration





#1

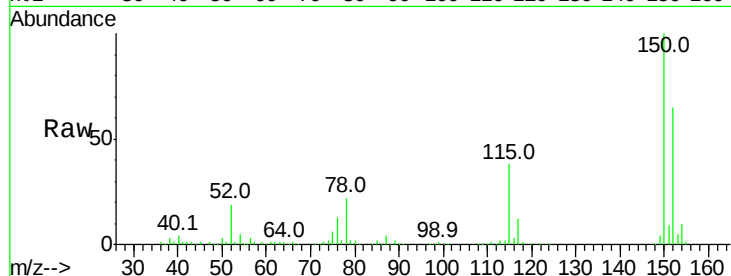
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.05 min
Lab File: BF099037.D
Acq: 3 Oct 2017 18:30

Instrument :
BNA_F
ClientSampleId :
TP-1-COMP

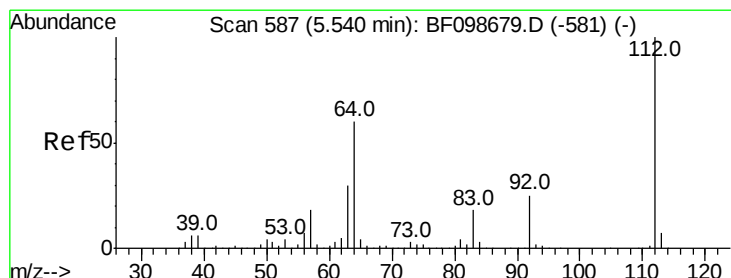
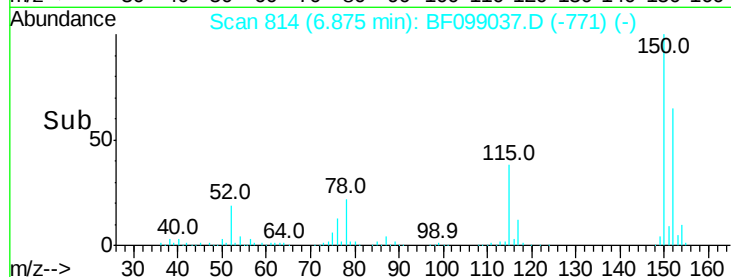
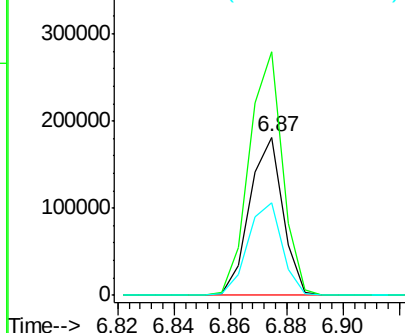
Tot Ion	Ratio	Lower	Upper
152	100		
150	153.9	124.6	186.8
115	58.9	50.1	75.1

Manual Integrations
APPROVED

Sohil
10/4/2017 7:21:18 PM



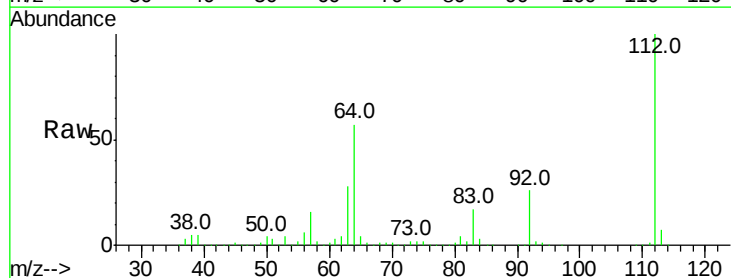
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



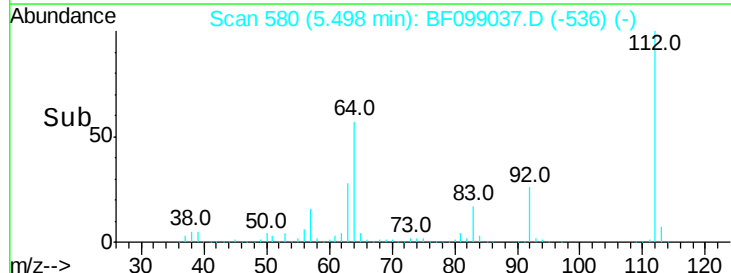
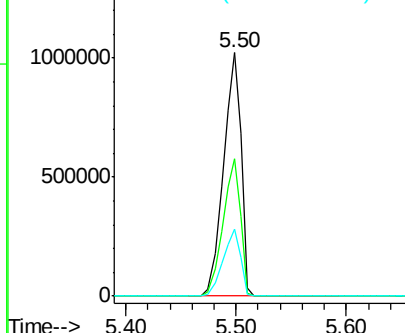
#5

2-Fluorophenol
Concen: 121.437 ng
RT: 5.50 min Scan# 580
Delta R.T. -0.04 min
Lab File: BF099037.D
Acq: 3 Oct 2017 18:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.6	47.9	71.9
63	27.7	23.7	35.5



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: 121.042 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.04 min

Lab File: BF099037.D

Acq: 3 Oct 2017 18:30

Instrument :

BNA_F

ClientSampleId :

TP-1-COMP

Tot Ion: 99 Resp: 1388852

Ion Ratio Lower Upper

99 100

42 16.4 14.5 21.7

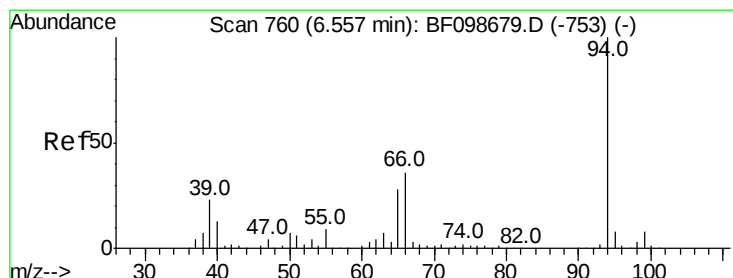
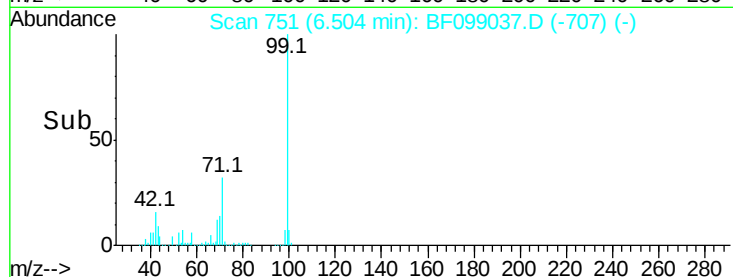
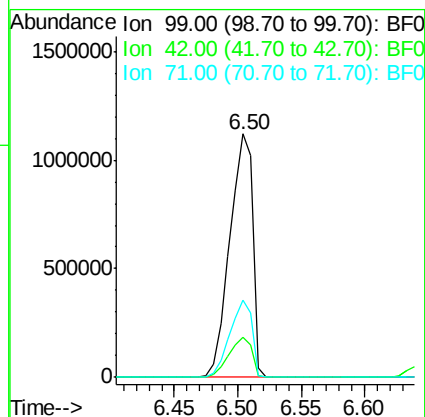
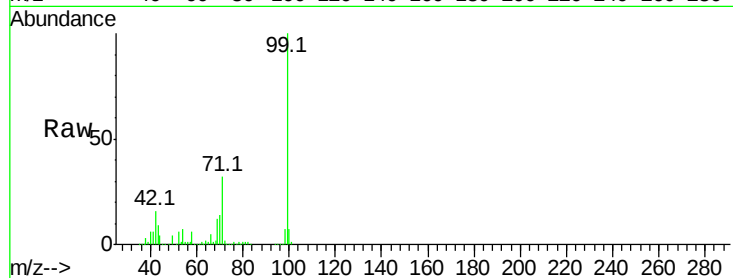
71 31.6 25.4 38.0

Manual Integrations

APPROVED

Sohil

10/4/2017 7:21:18 PM



#10

Phenol

Concen: 2.790 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.04 min

Lab File: BF099037.D

Acq: 3 Oct 2017 18:30

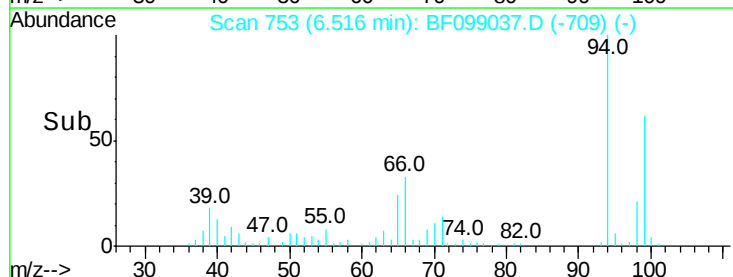
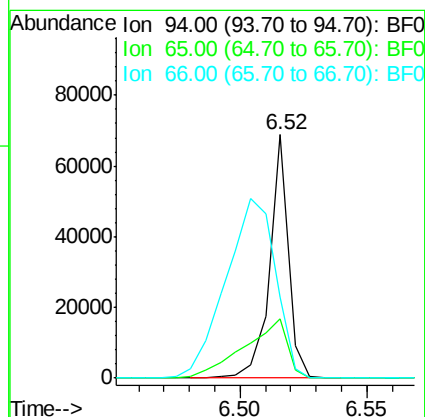
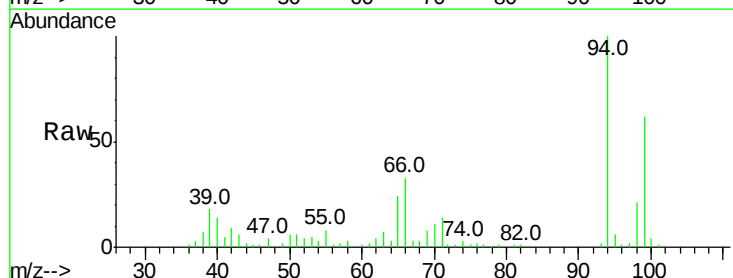
Tgt Ion: 94 Resp: 35797

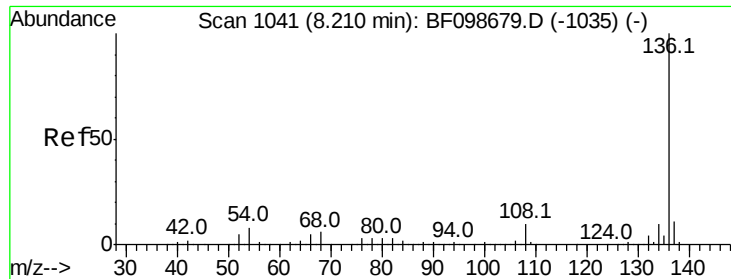
Ion Ratio Lower Upper

94 100

65 24.5 7.9 47.9

66 33.2 16.2 56.2





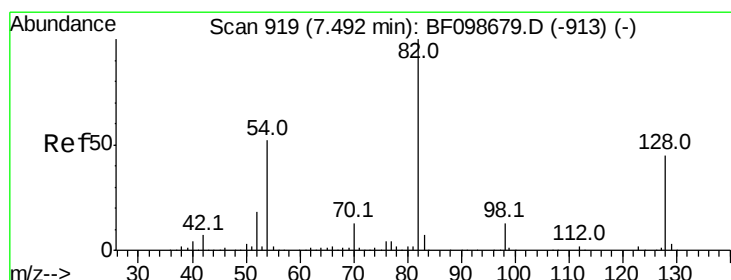
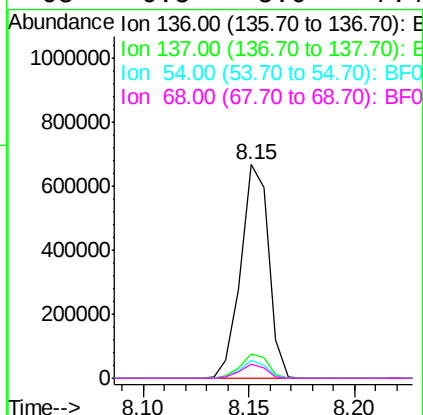
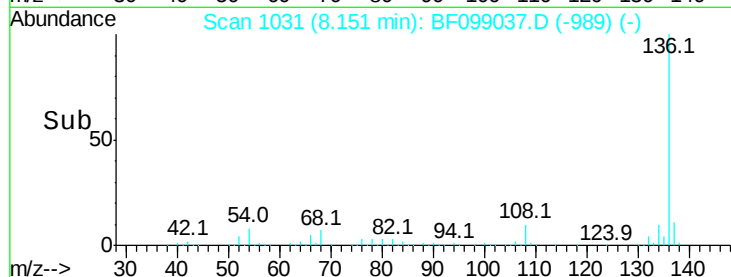
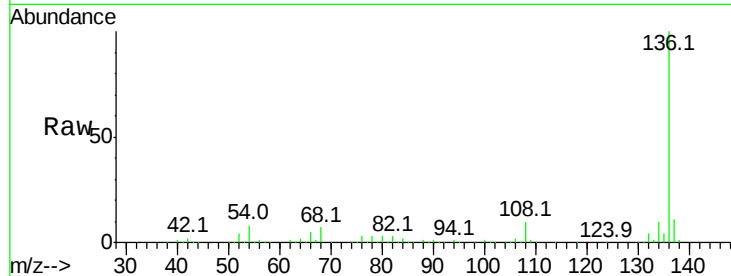
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.05 min
Lab File: BF099037.D
Acq: 3 Oct 2017 18:30

Instrument :
BNA_F
ClientSampleId :
TP-1-COMP

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.3	8.9	13.3	
54	8.3	6.6	9.8	
68	6.5	5.0	7.4	

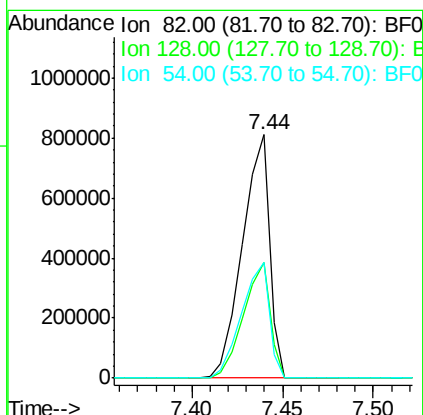
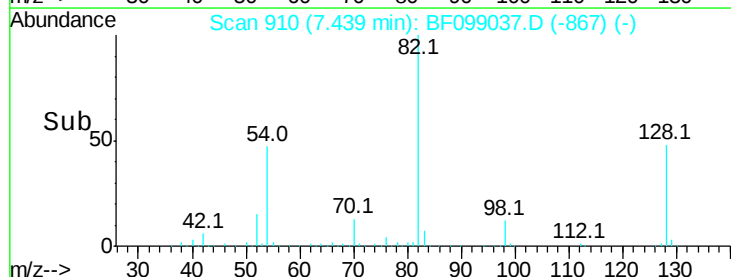
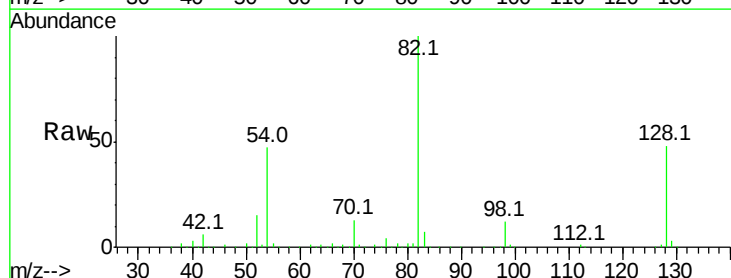
Manual Integrations
APPROVED

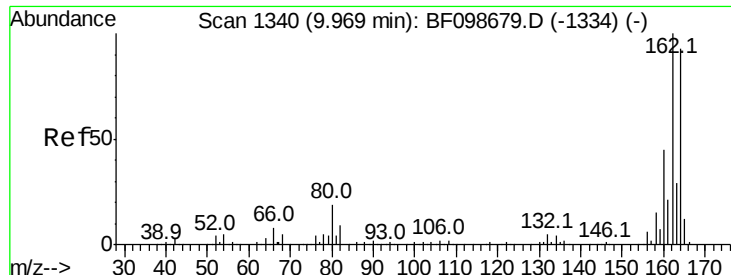
Sohil
10/4/2017 7:21:18 PM



#23
Nitrobenzene-d5
Concen: 88.863 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.05 min
Lab File: BF099037.D
Acq: 3 Oct 2017 18:30

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	47.7	36.1	54.1	
54	47.3	41.4	62.2	





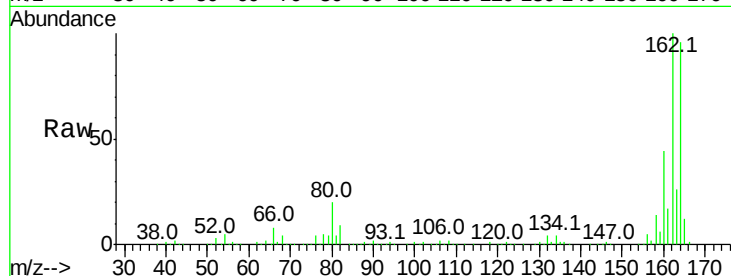
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.05 min
Lab File: BF099037.D
Acq: 3 Oct 2017 18:30

Instrument :
BNA_F
ClientSampleId :
TP-1-COMP

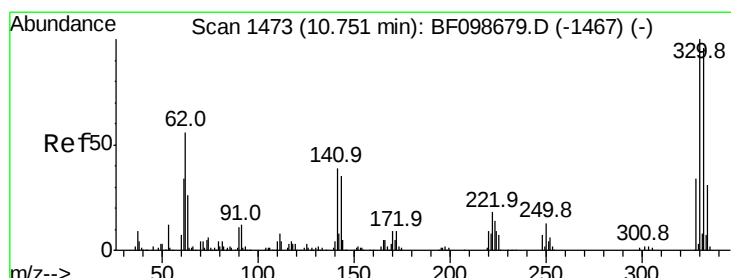
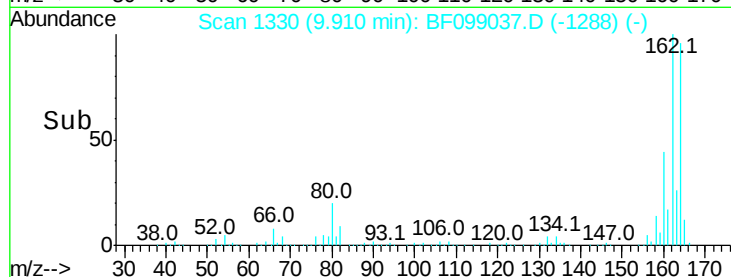
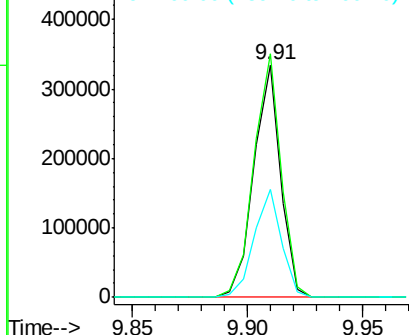
Tot Ion	Ratio	Resp	Lower	Upper
164	100	271946		
162	104.7	86.1	129.1	
160	46.4	38.3	57.5	

Manual Integrations
APPROVED

Sohil
10/4/2017 7:21:18 PM



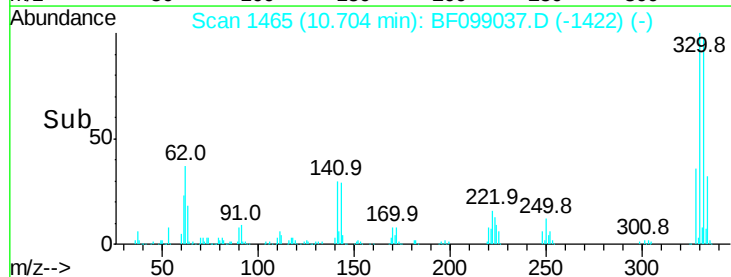
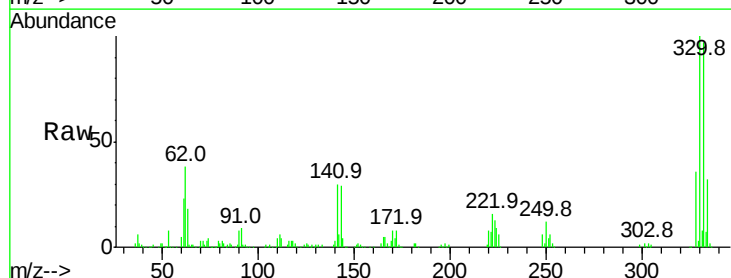
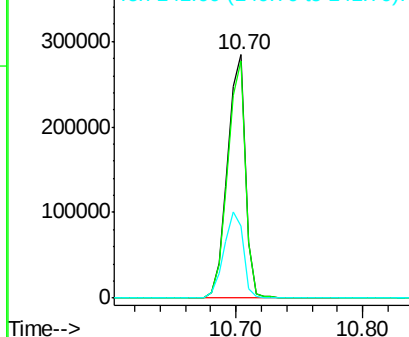
Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



#41
2,4,6-Tribromophenol
Concen: 125.129 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.05 min
Lab File: BF099037.D
Acq: 3 Oct 2017 18:30

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	278445		
332	96.4	77.0	115.6	
141	38.5	29.9	44.9	

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





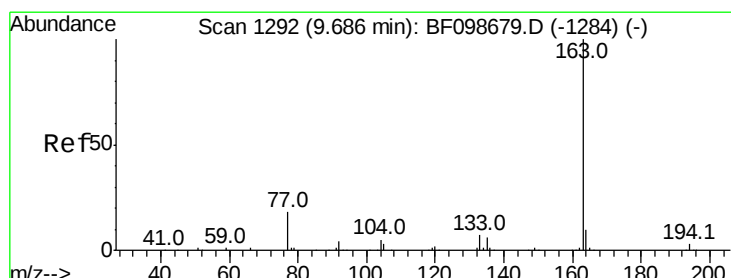
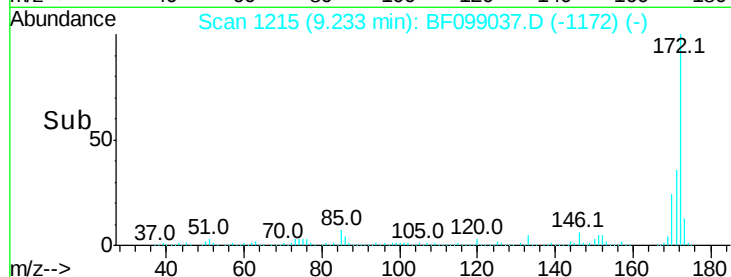
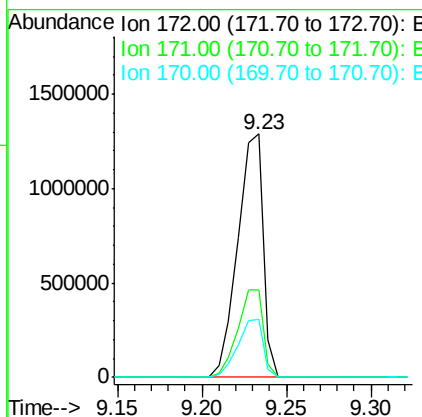
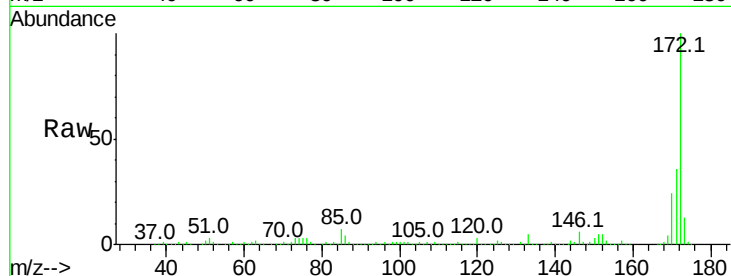
#44
2-Fluorobiphenyl
Concen: 83.198 ng
RT: 9.23 min Scan# 1215
Delta R.T. -0.05 min
Lab File: BF099037.D
Acq: 3 Oct 2017 18:30

Instrument :
BNA_F
ClientSampleId :
TP-1-COMP

Tot Ion:172 Resp: 1355286
Ion Ratio Lower Upper
172 100
171 36.1 29.7 44.5
170 23.7 19.6 29.4

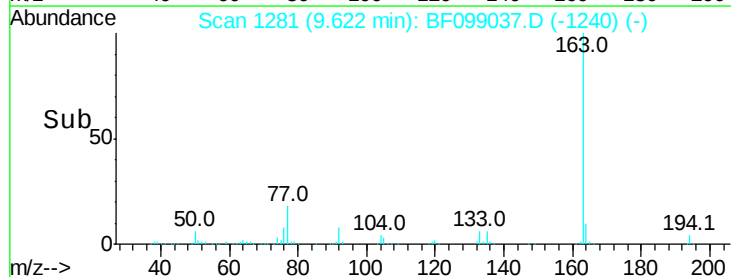
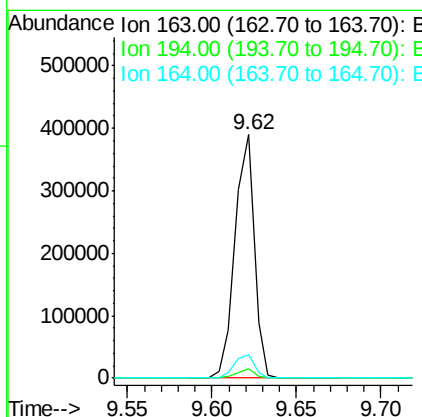
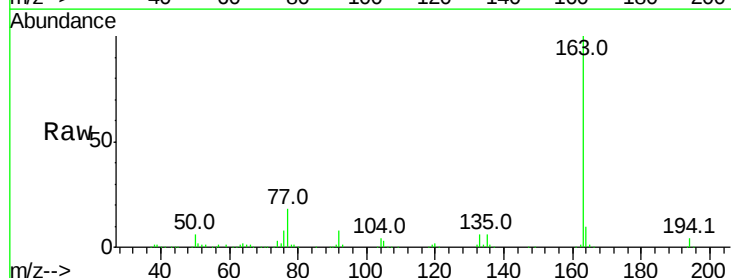
Manual Integrations
APPROVED

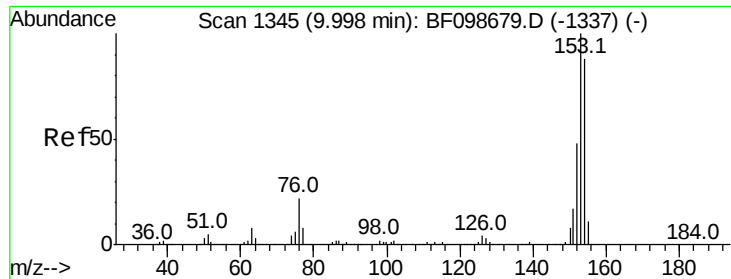
Sohil
10/4/2017 7:21:18 PM



#49
Dimethylphthalate
Concen: 15.074 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.06 min
Lab File: BF099037.D
Acq: 3 Oct 2017 18:30

Tgt Ion:163 Resp: 309395
Ion Ratio Lower Upper
163 100
194 3.7 2.7 4.1
164 9.7 8.2 12.2





#51

Acenaphthene

Concen: 2.150 ng

RT: 9.94 min Scan# 1335

Delta R.T. -0.06 min

Lab File: BF099037.D

Acq: 3 Oct 2017 18:30

Instrument :

BNA_F

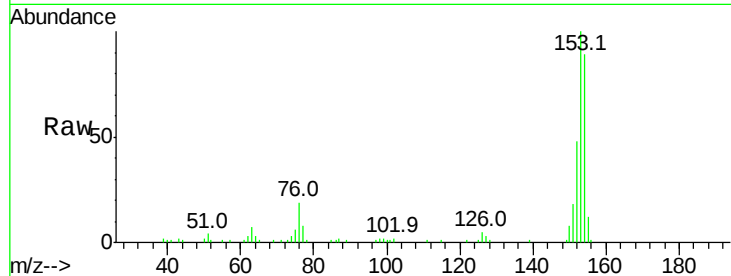
ClientSampleId :

TP-1-COMP

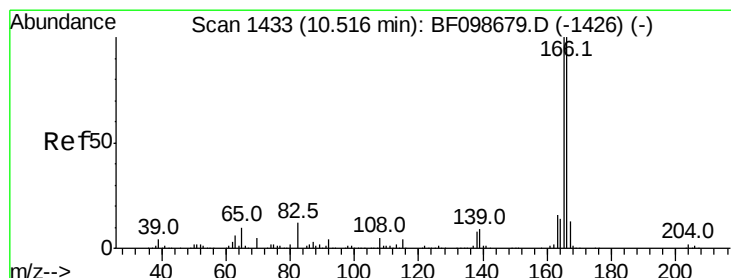
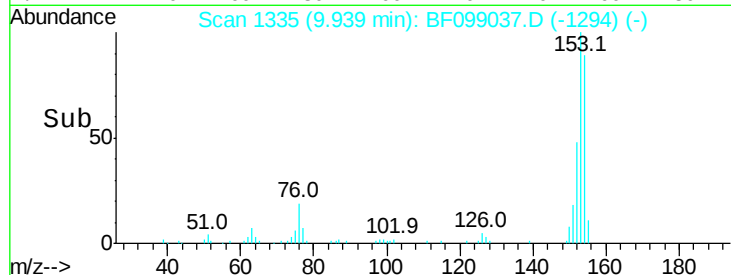
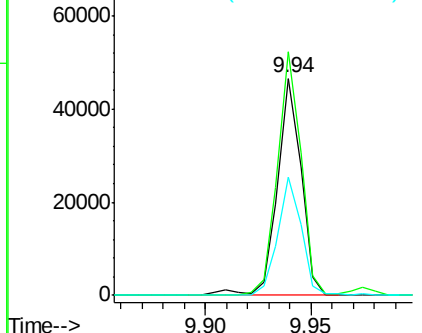
Tot Ion:	154	Resp:	36584
Ion Ratio	Lower	Upper	
154	100		
153	112.3	91.2	136.8
152	54.2	43.8	65.8

Manual Integrations
APPROVED

Sohil
10/4/2017 7:21:18 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



#57

Fluorene

Concen: 2.404 ng

RT: 10.46 min Scan# 1423

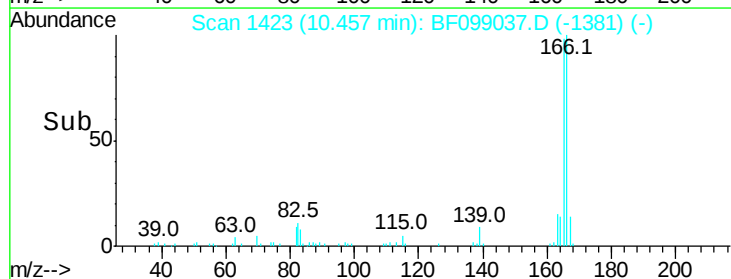
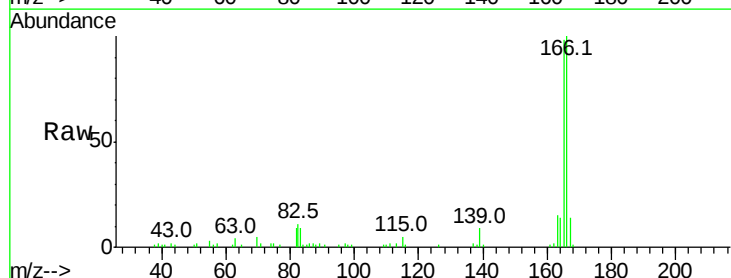
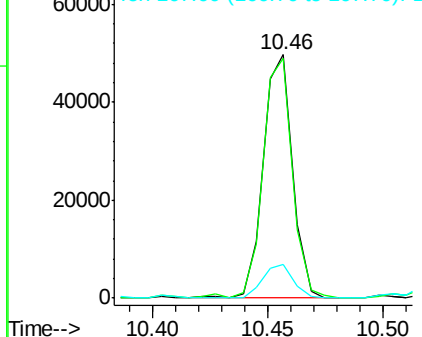
Delta R.T. -0.05 min

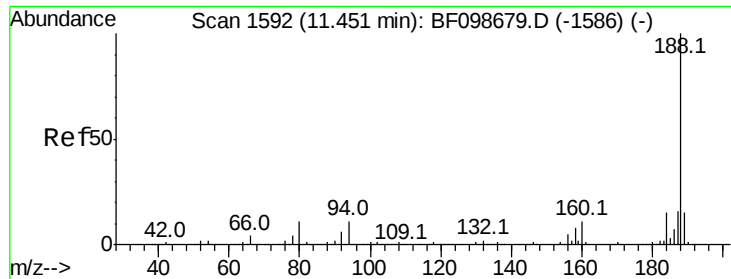
Lab File: BF099037.D

Acq: 3 Oct 2017 18:30

Tgt Ion:	166	Resp:	43783
Ion Ratio	Lower	Upper	
166	100		
165	98.4	79.8	119.8
167	14.0	10.6	16.0

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





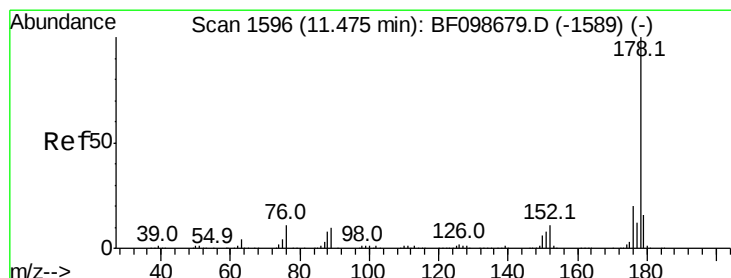
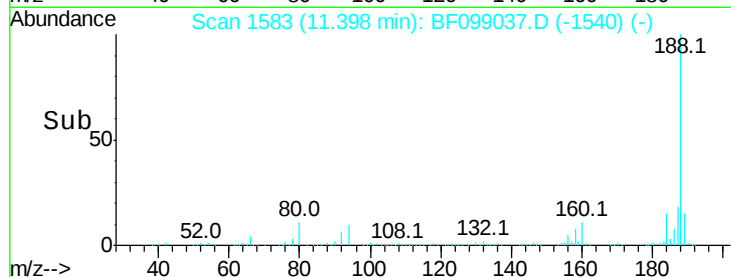
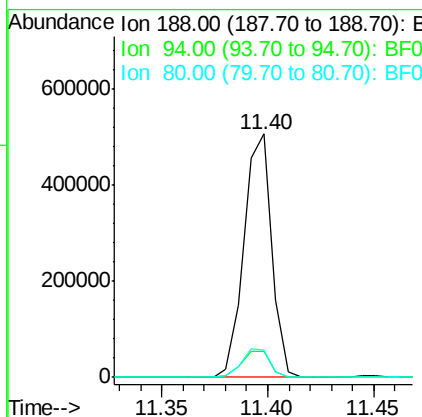
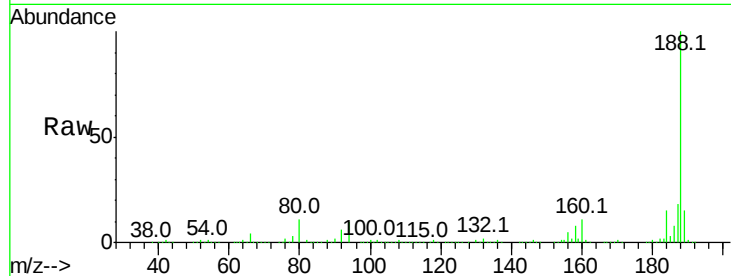
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.05 min
Lab File: BF099037.D
Acq: 3 Oct 2017 18:30

Instrument :
BNA_F
ClientSampleId :
TP-1-COMP

Tot Ion	Ratio	Resp	Lower	Upper
188	100	459953		
94	10.5		8.5	12.7
80	11.1		9.2	13.8

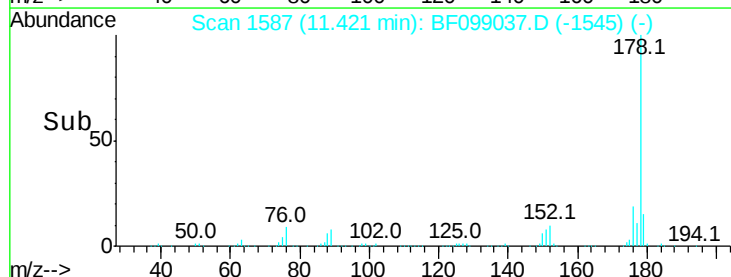
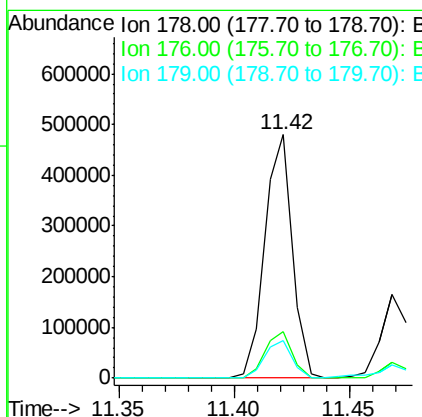
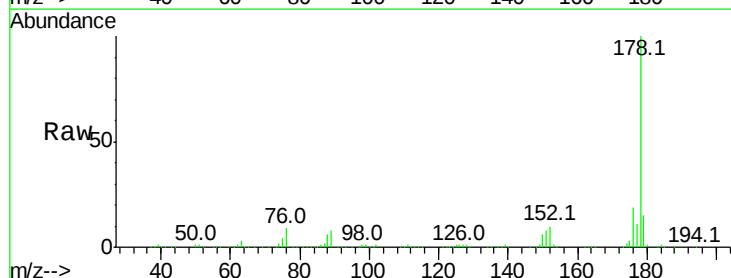
Manual Integrations
APPROVED

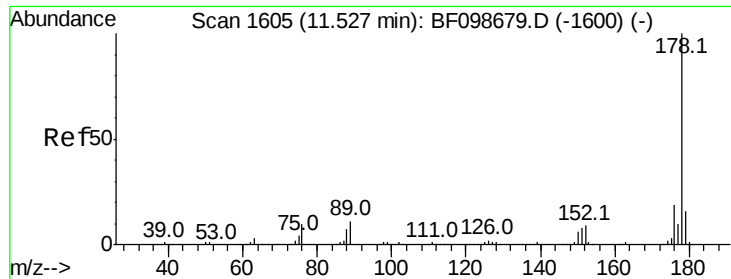
Sohil
10/4/2017 7:21:18 PM



#70
Phenanthrene
Concen: 16.176 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.05 min
Lab File: BF099037.D
Acq: 3 Oct 2017 18:30

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	398265		
176	19.1		15.8	23.8
179	15.3		13.0	19.6





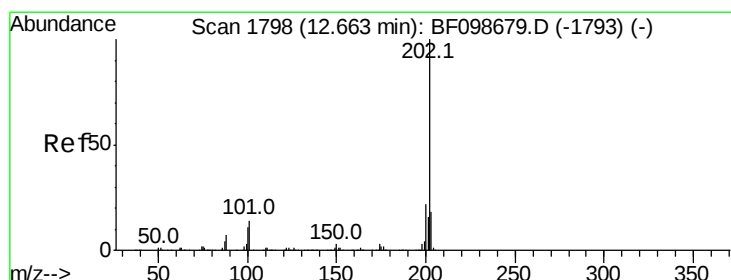
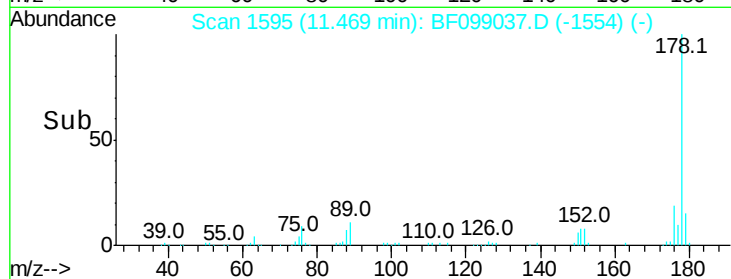
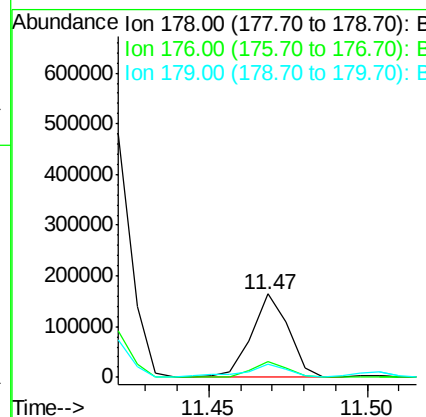
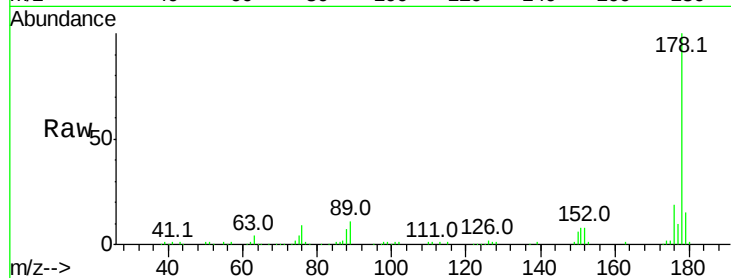
#71
 Anthracene
 Concen: 5.218 ng
 RT: 11.47 min Scan# 1595
 Delta R.T. -0.06 min
 Lab File: BF099037.D
 Acq: 3 Oct 2017 18:30

Instrument :
 BNA_F
 ClientSampleId :
 TP-1-COMP

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.2
179	15.4	12.6	19.0

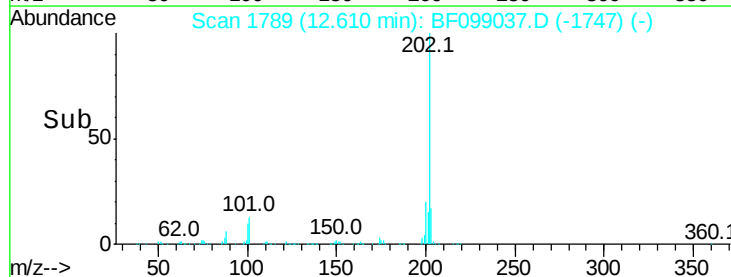
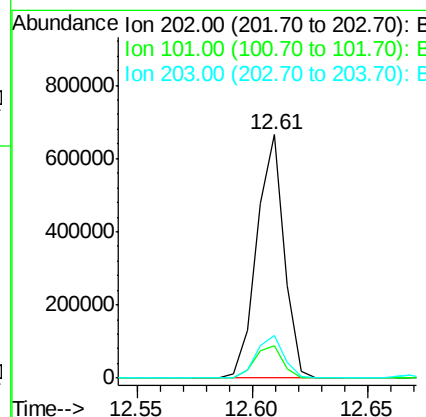
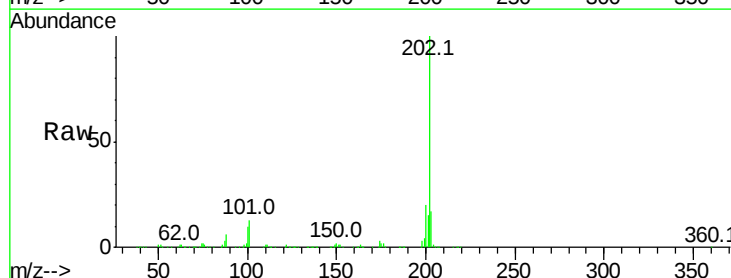
Manual Integrations
 APPROVED

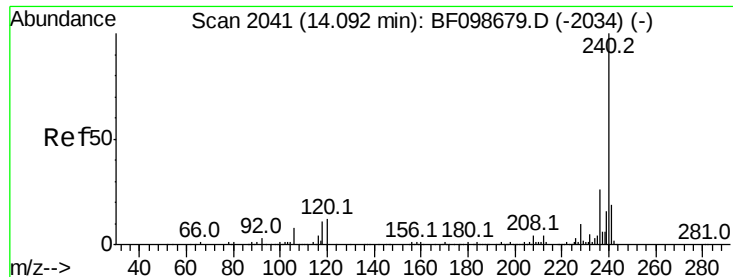
Sohil
 10/4/2017 7:21:18 PM



#74
 Fluoranthene
 Concen: 22.097 ng
 RT: 12.61 min Scan# 1789
 Delta R.T. -0.05 min
 Lab File: BF099037.D
 Acq: 3 Oct 2017 18:30

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.3	0.0	34.1
203	17.5	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.05 min

Lab File: BF099037.D

Acq: 3 Oct 2017 18:30

Instrument :

BNA_F

ClientSampleId :

TP-1-COMP

Tot Ion:240 Resp: 249528
Ion Ratio Lower Upper

240 100

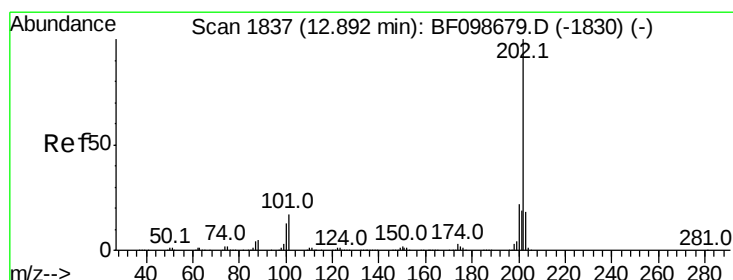
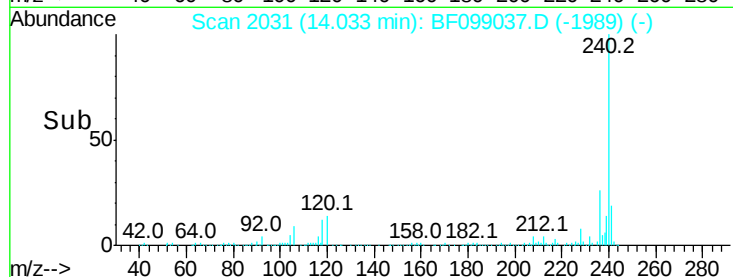
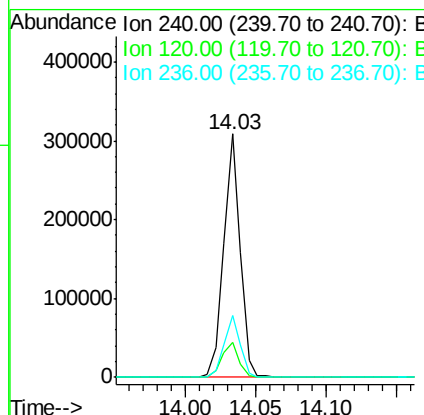
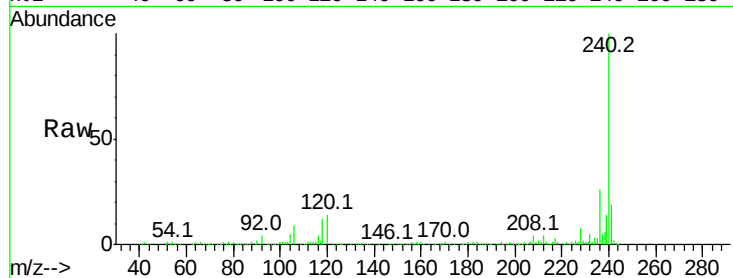
120 14.3 9.5 14.3#

236 25.6 20.7 31.1

Manual Integrations
APPROVED

Sohil

10/4/2017 7:21:18 PM



#77

Pyrene

Concen: 23.226 ng

RT: 12.84 min Scan# 1828

Delta R.T. -0.05 min

Lab File: BF099037.D

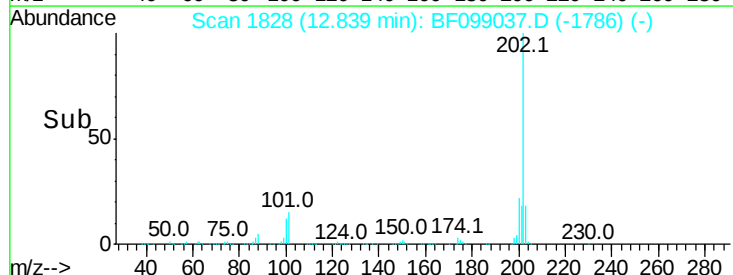
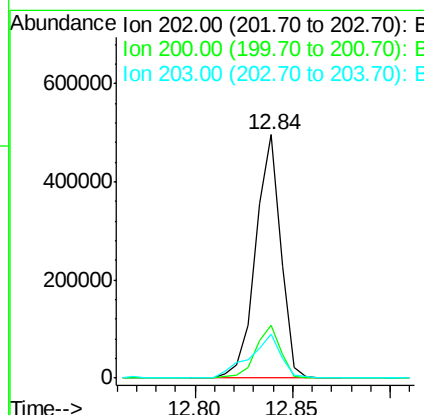
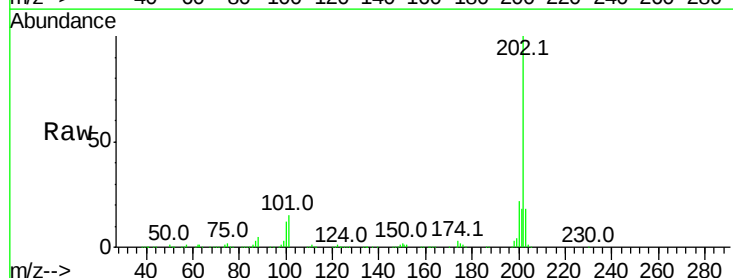
Acq: 3 Oct 2017 18:30

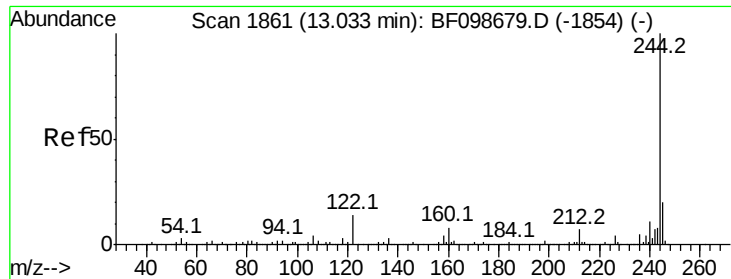
Tgt Ion:202 Resp: 441936
Ion Ratio Lower Upper

202 100

200 21.6 17.4 26.2

203 18.0 14.3 21.5





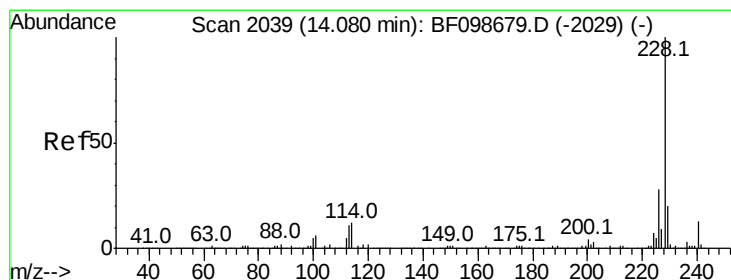
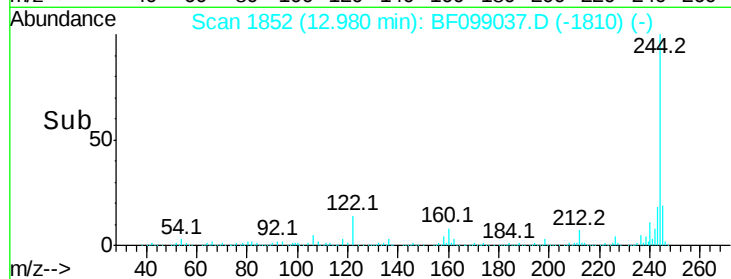
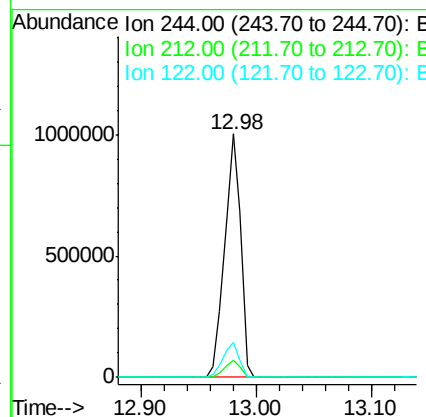
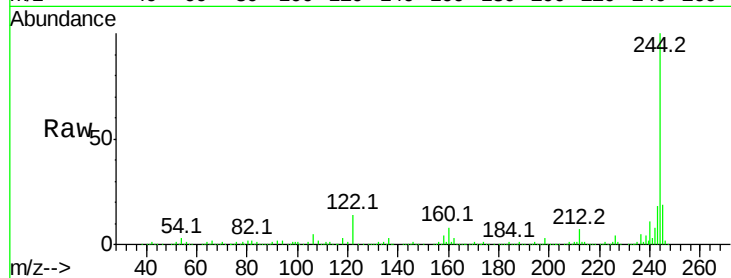
#78
 Terphenyl-d14
 Concen: 87.659 ng
 RT: 12.98 min Scan# 1852
 Delta R.T. -0.05 min
 Lab File: BF099037.D
 Acq: 3 Oct 2017 18:30

Instrument :
 BNA_F
 ClientSampleId :
 TP-1-COMP

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.4	8.0
122	14.3	11.0	16.4

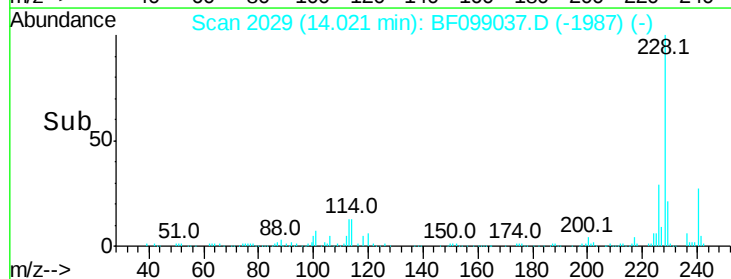
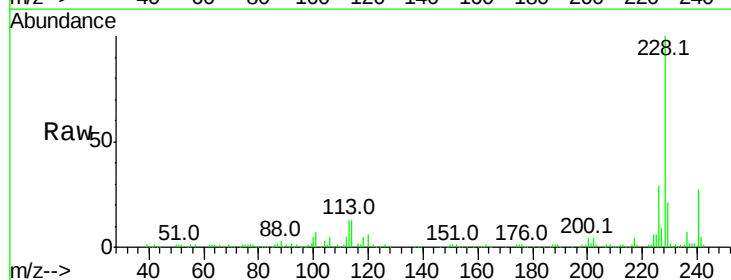
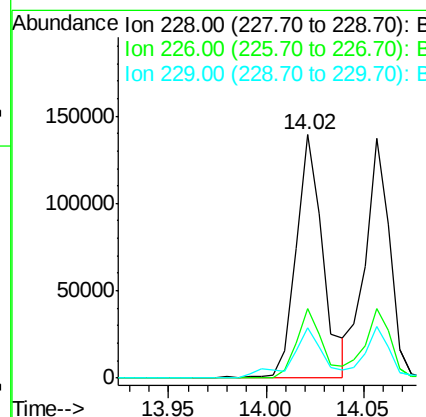
Manual Integrations
 APPROVED

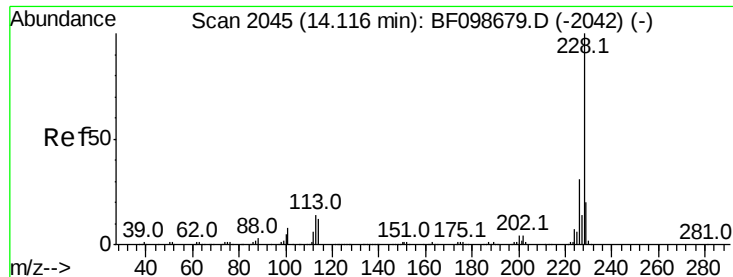
Sohil
 10/4/2017 7:21:18 PM



#80
 Benzo(a)anthracene
 Concen: 8.797 ng
 RT: 14.02 min Scan# 2029
 Delta R.T. -0.05 min
 Lab File: BF099037.D
 Acq: 3 Oct 2017 18:30

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.6	33.8
229	20.6	15.8	23.6





#82

Chrysene

Concen: 8.378 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.06 min

Lab File: BF099037.D

Acq: 3 Oct 2017 18:30

Instrument :

BNA_F

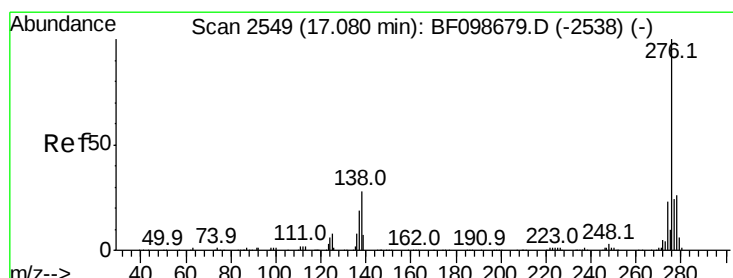
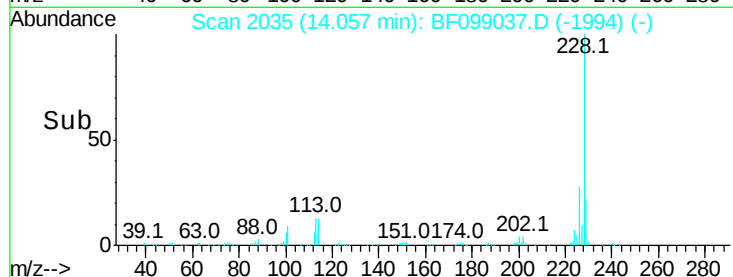
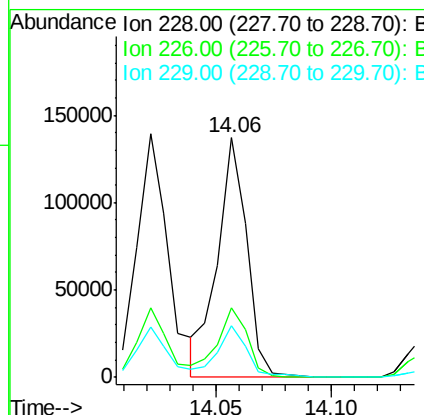
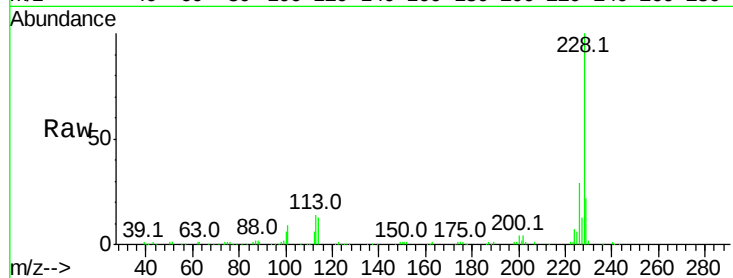
ClientSampleId :

TP-1-COMP

Tot Ion:	228	Resp:	120520
Ion Ratio	Lower	Upper	
228	100		
226	29.2	25.0	37.6
229	21.6	16.2	24.4

Manual Integrations
APPROVED

Sohil
10/4/2017 7:21:18 PM



#85

Indeno(1,2,3-cd)pyrene

Concen: 5.459 ng

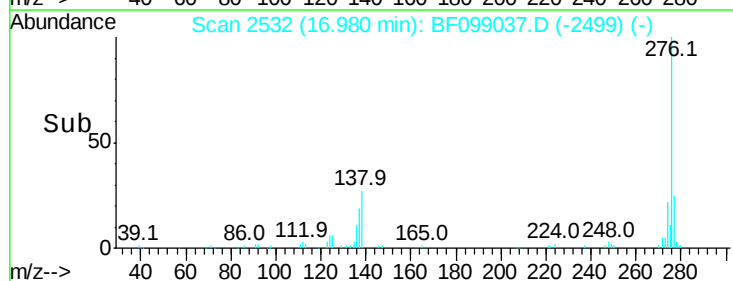
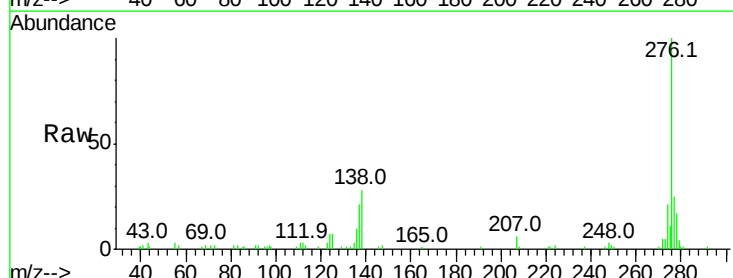
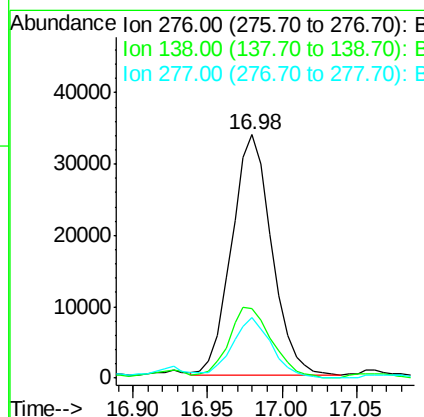
RT: 16.98 min Scan# 2532

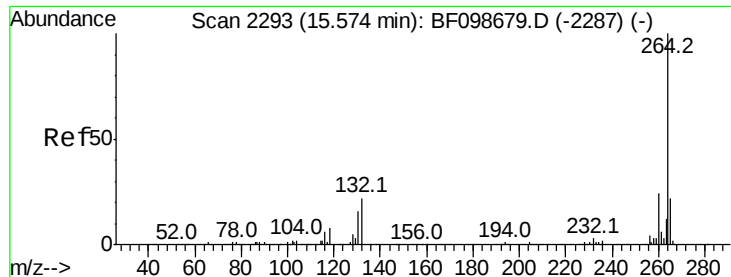
Delta R.T. -0.11 min

Lab File: BF099037.D

Acq: 3 Oct 2017 18:30

Tgt Ion:	276	Resp:	62823
Ion Ratio	Lower	Upper	
276	100		
138	32.3	25.0	37.6
277	25.3	20.1	30.1





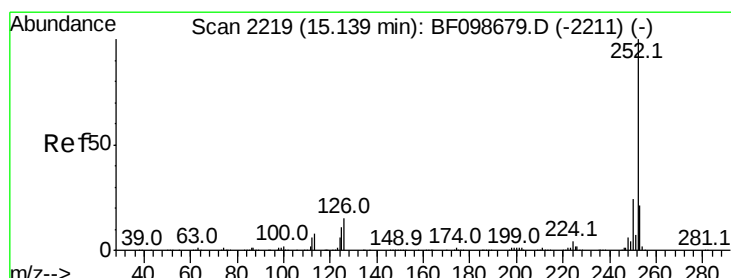
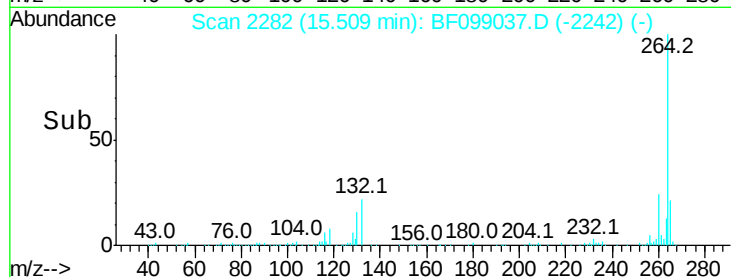
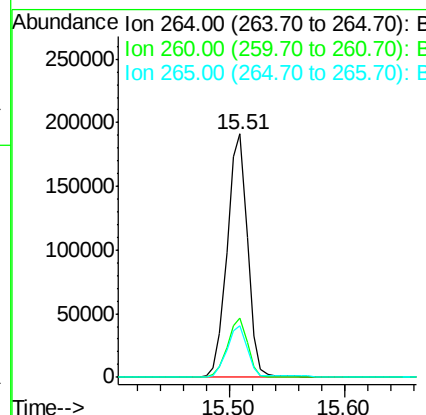
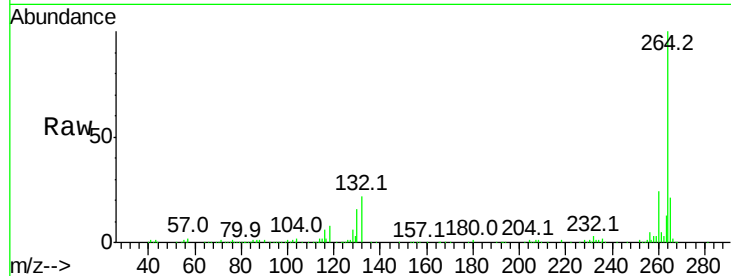
#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.51 min Scan# 2282
 Delta R.T. -0.06 min
 Lab File: BF099037.D
 Acq: 3 Oct 2017 18:30

Instrument :
 BNA_F
 ClientSampled :
 TP-1-COMP

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	21.3	17.5	26.3

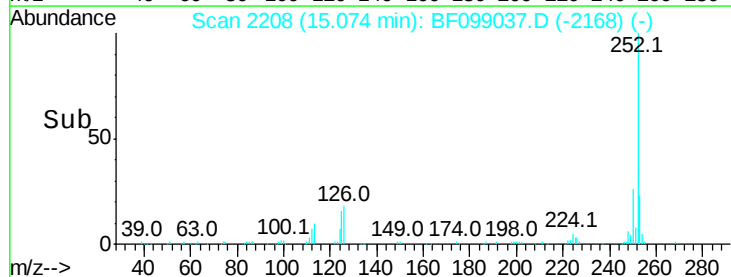
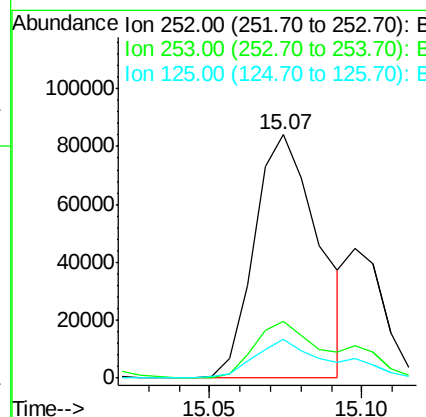
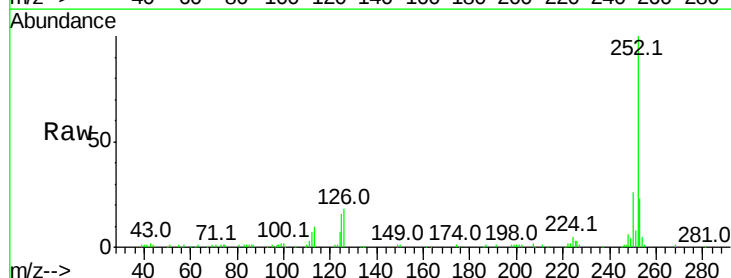
Manual Integrations
 APPROVED

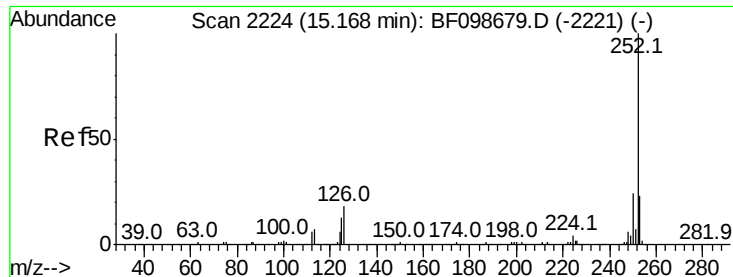
Sohil
 10/4/2017 7:21:18 PM



#87
 Benzo(b)fluoranthene
 Concen: 8.537 ng m
 RT: 15.07 min Scan# 2208
 Delta R.T. -0.06 min
 Lab File: BF099037.D
 Acq: 3 Oct 2017 18:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.0	25.6
125	15.7	9.0	13.6#





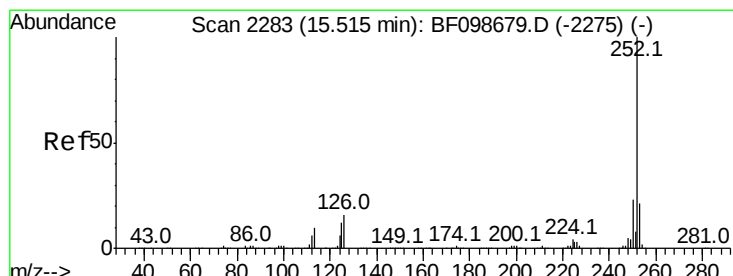
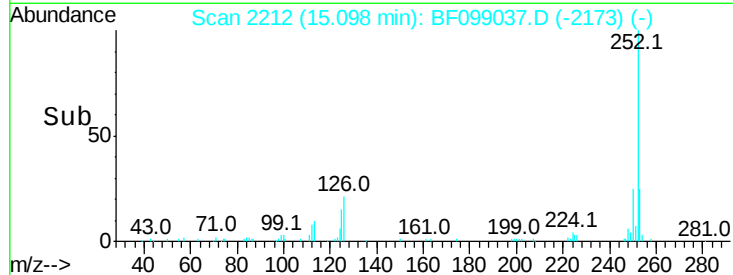
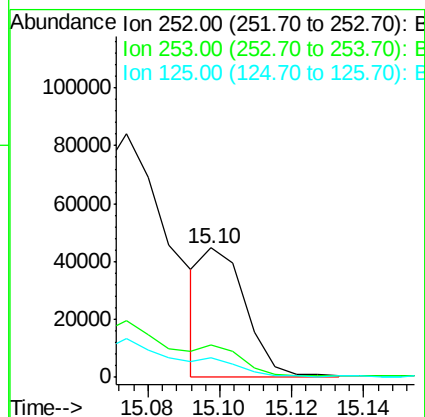
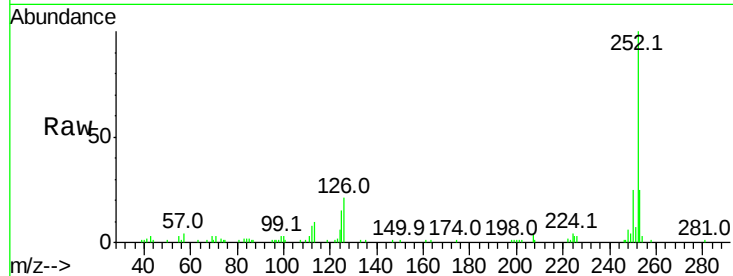
#88
Benzo(k)fluoranthene
Concen: 2.629 ng m
RT: 15.10 min Scan# 2212
Delta R.T. -0.07 min
Lab File: BF099037.D
Acq: 3 Oct 2017 18:30

Instrument :
BNA_F
ClientSampled :
TP-1-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.9	26.9
125	15.2	10.2	15.2

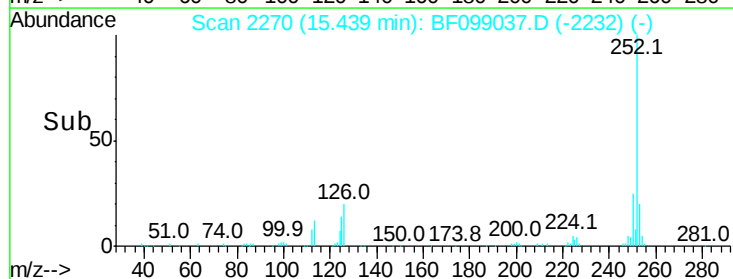
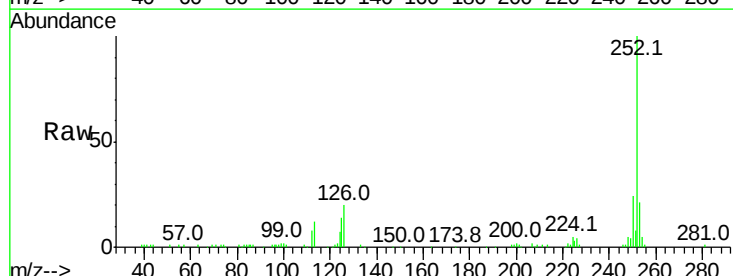
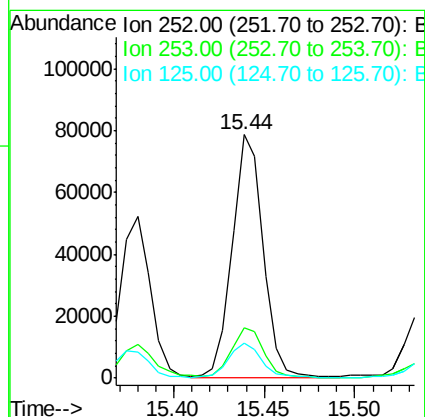
Manual Integrations
APPROVED

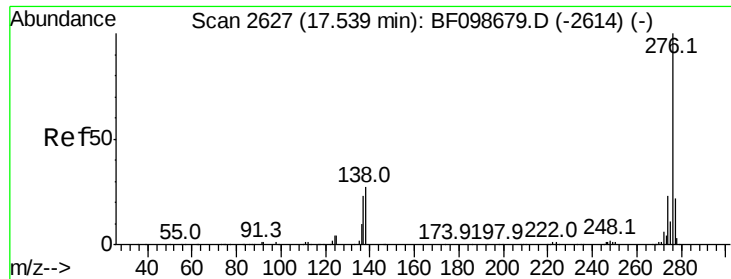
Sohil
10/4/2017 7:21:18 PM



#89
Benzo(a)pyrene
Concen: 7.109 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.08 min
Lab File: BF099037.D
Acq: 3 Oct 2017 18:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.8	17.1	25.7
125	14.3	9.8	14.6





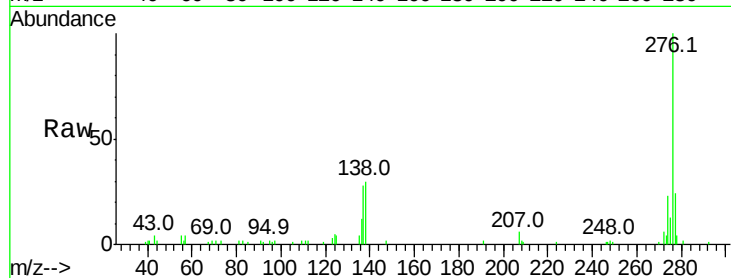
#91
 Benzo(a,h,i)perylene
 Concen: 6.417 ng
 RT: 17.43 min Scan# 2608
 Delta R.T. -0.12 min
 Lab File: BF099037.D
 Acq: 3 Oct 2017 18:30

Instrument :
 BNA_F
 ClientSampleId :
 TP-1-COMP

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.3	17.9	26.9
138	30.3	21.8	32.8

Manual Integrations
 APPROVED

Sohil
 10/4/2017 7:21:18 PM



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

