

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092317\
 Data File : BF098760.D
 Acq On : 24 Sep 2017 1:14
 Operator : SJ/JU
 Sample : I5360-09 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-1-E-COMP

Manual Integrations
 APPROVED

Sohil
 9/25/2017 6:26:43 PM

Quant Time: Sep 25 08:07:10 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	6.92	152	117572	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	402064	20.00	ng	0.00
38) Acenaphthene-d10	9.96	164	145348	20.00	ng	0.00
63) Phenanthrene-d10	11.45	188	267780	20.00	ng	0.00
75) Chrysene-d12	14.09	240	259232	20.00	ng	0.00
86) Perylene-d12	15.58	264	196252	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	167204	22.64	ng	-0.01
7) Phenol-d6	6.53	99	183835	20.18	ng	-0.01
23) Nitrobenzene-d5	7.47	82	95442	15.22	ng	-0.01
41) 2,4,6-Tribromophenol	10.75	330	24607	20.69	ng	0.00
44) 2-Fluorobiphenyl	9.27	172	164027	18.84	ng	0.00
78) Terphenyl-d14	13.03	244	155471	13.64	ng	0.00
Target Compounds						
31) Naphthalene	8.23	128	69255	3.668	ng	98
70) Phenanthrene	11.47	178	102858	7.176	ng	99
71) Anthracene	11.52	178	37757	2.574	ng	98
74) Fluoranthene	12.66	202	186836	12.873	ng	99
77) Pyrene	12.89	202	196037	9.917	ng	98
80) Benzo(a)anthracene	14.07	228	106023	6.754	ng	97
82) Chrysene	14.11	228	100818	6.746	ng	98
85) Indeno(1,2,3-cd)pyrene	17.09	276	34163	2.858	ng	98
87) Benzo(b)fluoranthene	15.14	252	125241m	10.379	ng	
88) Benzo(k)fluoranthene	15.16	252	35093m	2.945	ng	
89) Benzo(a)pyrene	15.52	252	67037	6.052	ng	# 89
91) Benzo(a,h,i)perylene	17.54	276	35127	4.009	ng	# 86

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

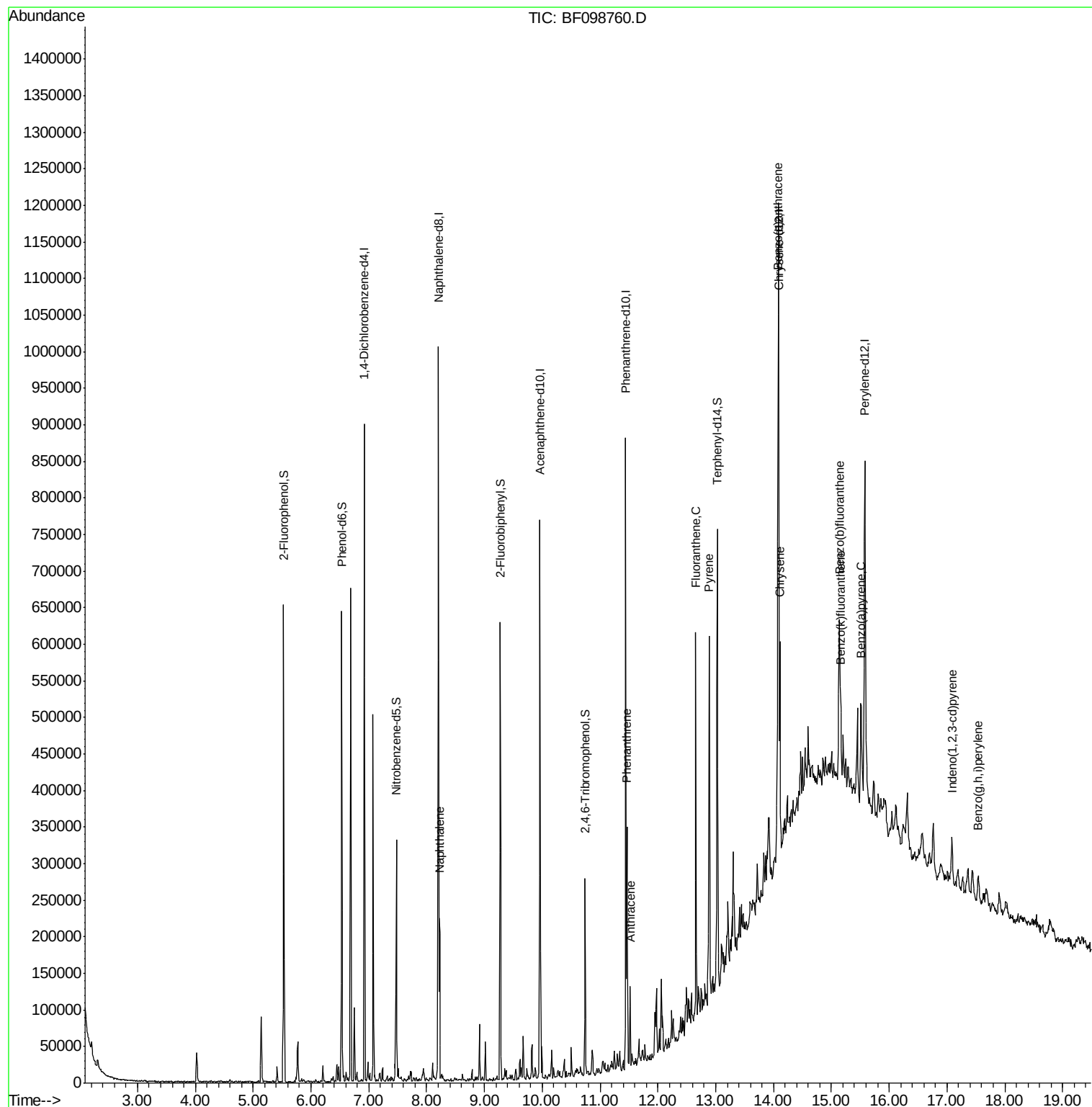
Data Path : Z:\HPCHEM1\BNA F\DATA\BF092317\
Data File : BF098760.D
Acq On : 24 Sep 2017 1:14
Operator : SJ/JU
Sample : I5360-09 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

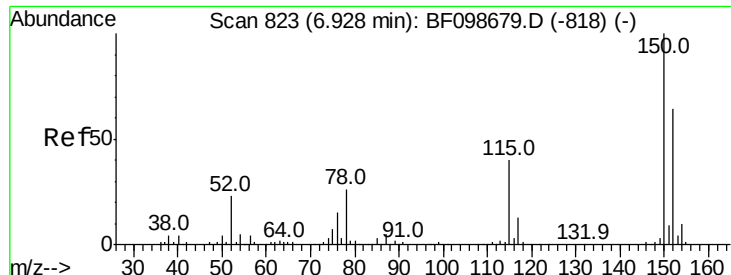
Instrument :
BNA_F
ClientSampleId :
SP-1-E-COMP

Manual Integrations
APPROVED

Sohil
9/25/2017 6:26:43 PM

Quant Time: Sep 25 08:07:10 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

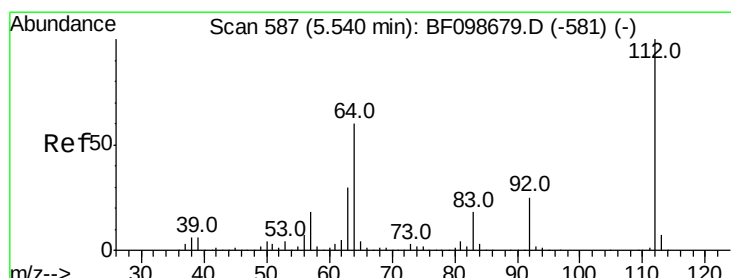
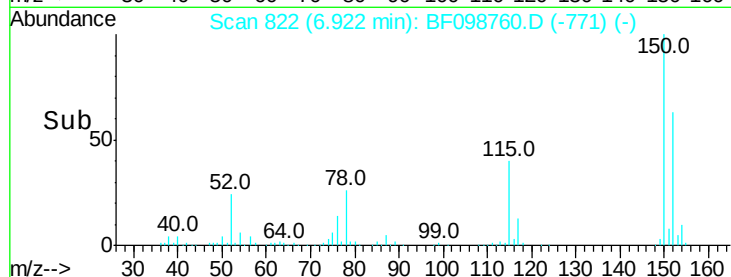
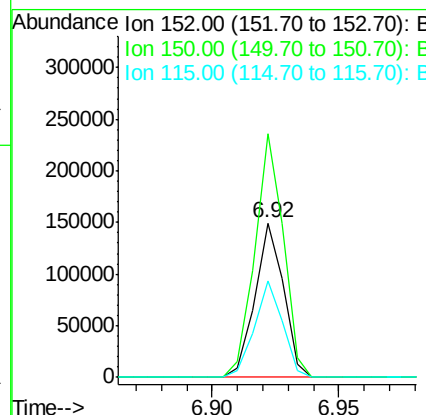
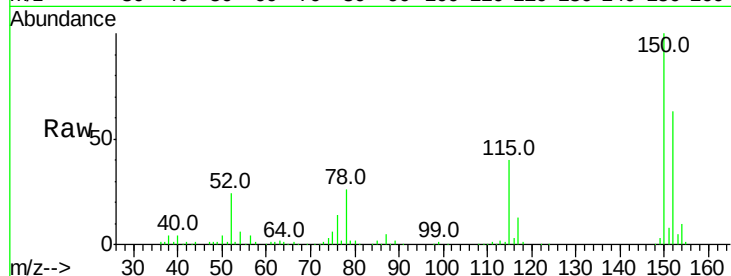
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 822
Delta R.T. -0.00 min
Lab File: BF098760.D
Acq: 24 Sep 2017 1:14

Instrument :
BNA_F
ClientSampleId :
SP-1-E-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.0	124.6	186.8
115	62.9	50.1	75.1

Manual Integrations
APPROVED

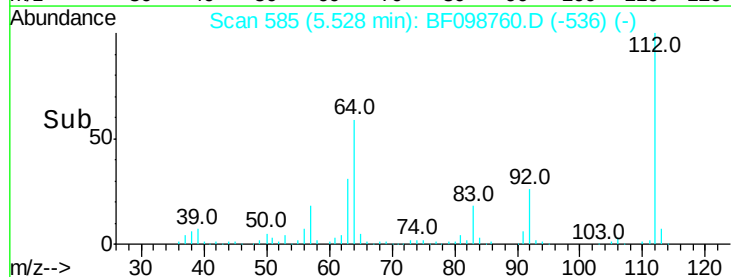
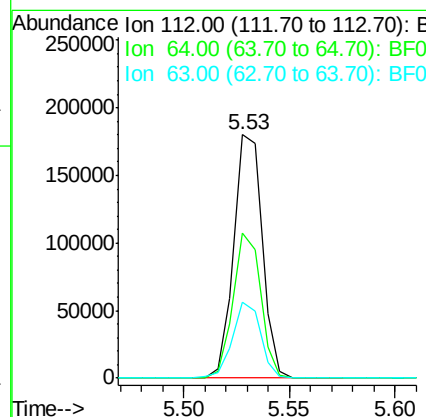
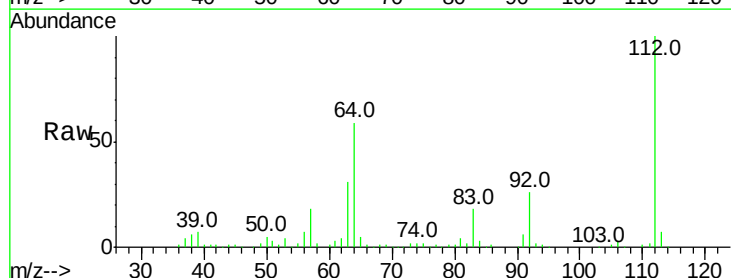
Sohil
9/25/2017 6:26:43 PM

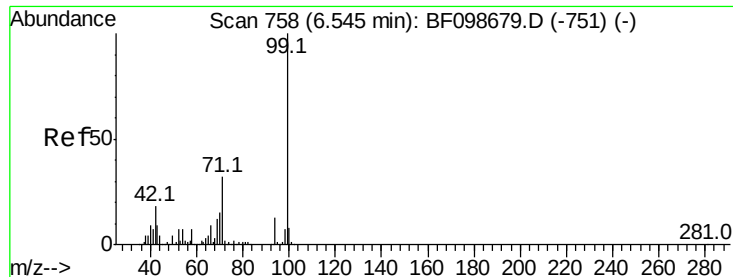


#5

2-Fluorophenol
Concen: 22.639 ng
RT: 5.53 min Scan# 585
Delta R.T. -0.01 min
Lab File: BF098760.D
Acq: 24 Sep 2017 1:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.5	47.9	71.9
63	31.2	23.7	35.5





#7

Phenol-d6

Concen: 20.177 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF098760.D

Acq: 24 Sep 2017 1:14

Instrument :

BNA_F

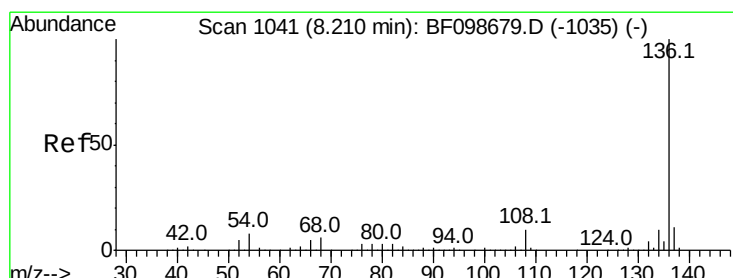
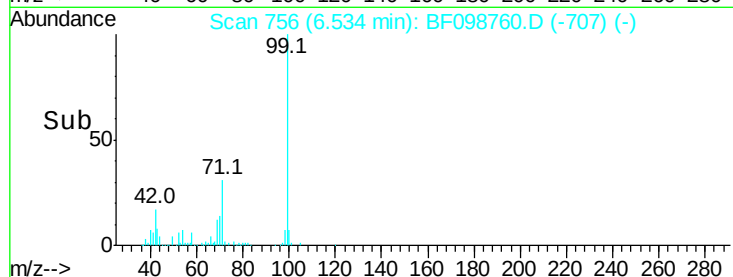
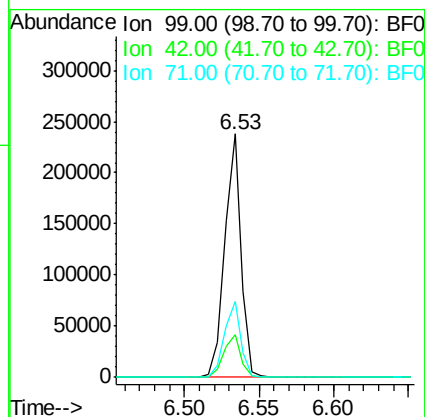
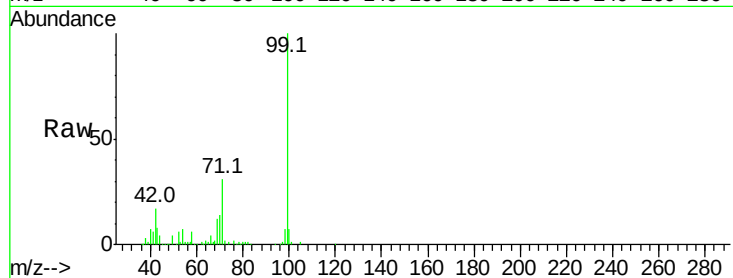
ClientSampleId :

SP-1-E-COMP

Tot Ion:	99	Resp:	183835
Ion Ratio	Lower	Upper	
99	100		
42	17.3	14.5	21.7
71	31.0	25.4	38.0

Manual Integrations
APPROVED

Sohil
9/25/2017 6:26:43 PM



#21

Naphthalene-d8

Concen: 20.000 ng

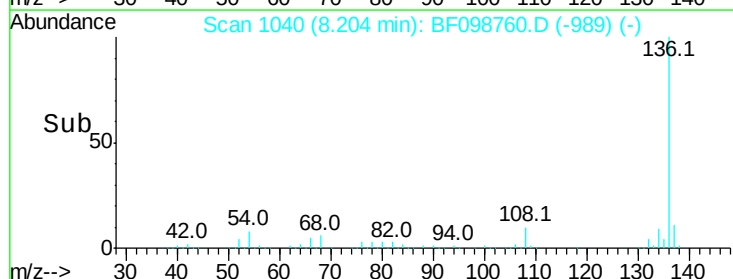
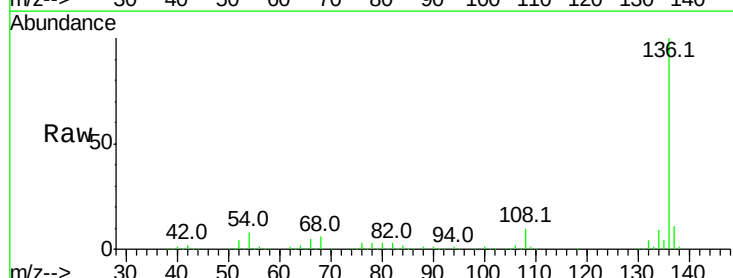
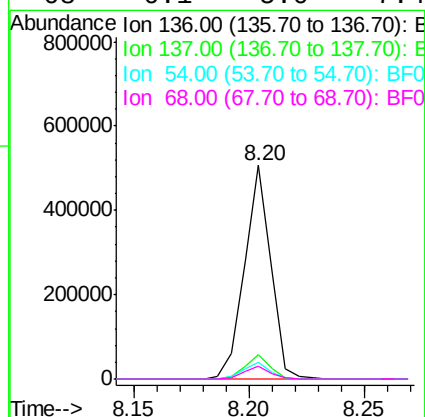
RT: 8.20 min Scan# 1040

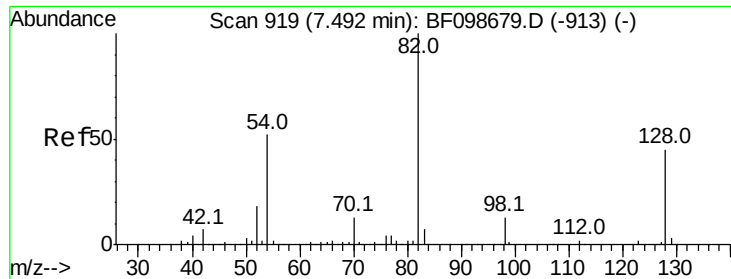
Delta R.T. -0.00 min

Lab File: BF098760.D

Acq: 24 Sep 2017 1:14

Tgt Ion:	136	Resp:	402064
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.9	13.3
54	7.8	6.6	9.8
68	6.1	5.0	7.4





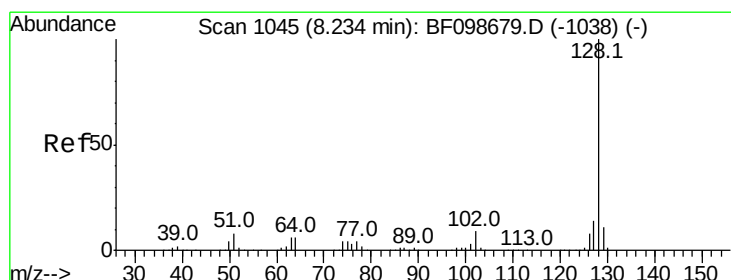
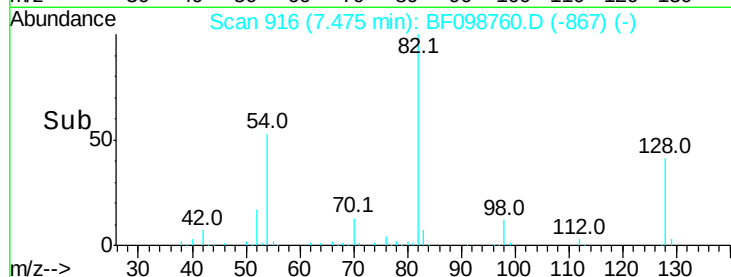
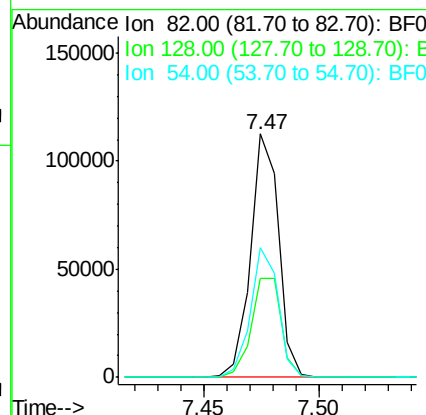
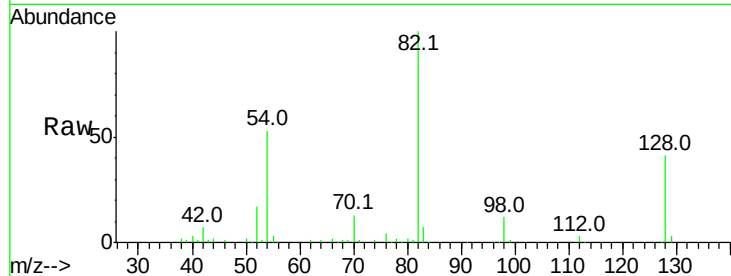
#23
Nitrobenzene-d5
Concen: 15.223 ng
RT: 7.47 min Scan# 916
Delta R.T. -0.01 min
Lab File: BF098760.D
Acq: 24 Sep 2017 1:14

Instrument :
BNA_F
ClientSampleId :
SP-1-E-COMP

Tot Ion	Ratio	Lower	Upper
82	100		
128	40.6	36.1	54.1
54	53.3	41.4	62.2

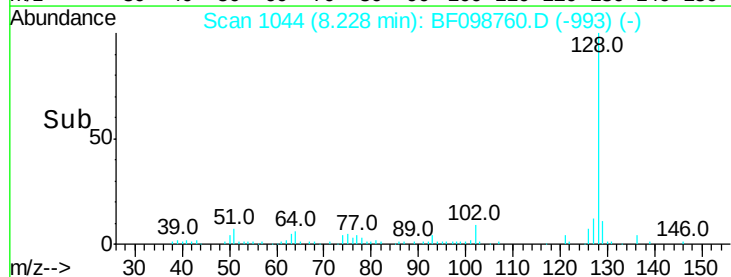
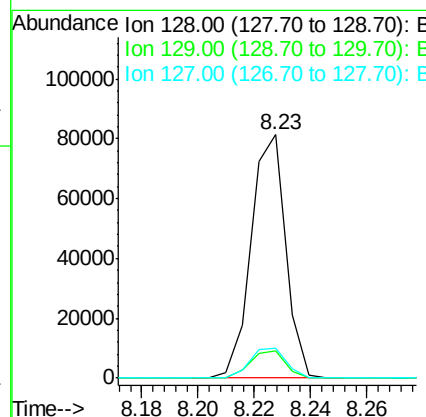
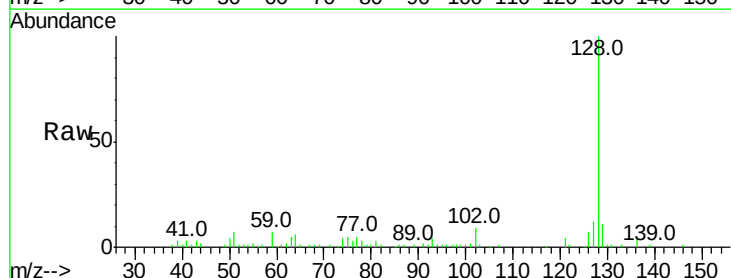
Manual Integrations
APPROVED

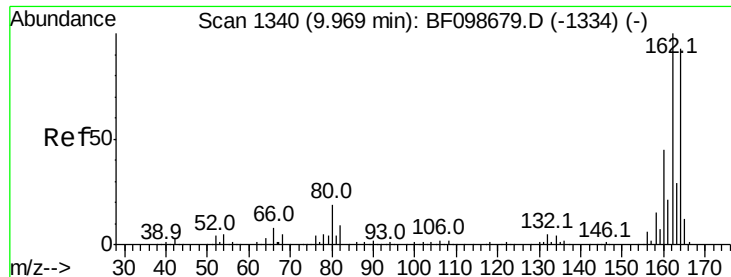
Sohil
9/25/2017 6:26:43 PM



#31
Naphthalene
Concen: 3.668 ng
RT: 8.23 min Scan# 1044
Delta R.T. -0.00 min
Lab File: BF098760.D
Acq: 24 Sep 2017 1:14

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.8	13.2
127	12.4	10.9	16.3





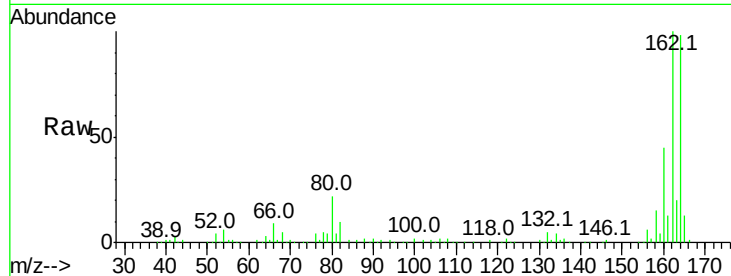
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.96 min Scan# 1338
 Delta R.T. -0.01 min
 Lab File: BF098760.D
 Acq: 24 Sep 2017 1:14

Instrument :
 BNA_F
 ClientSampleId :
 SP-1-E-COMP

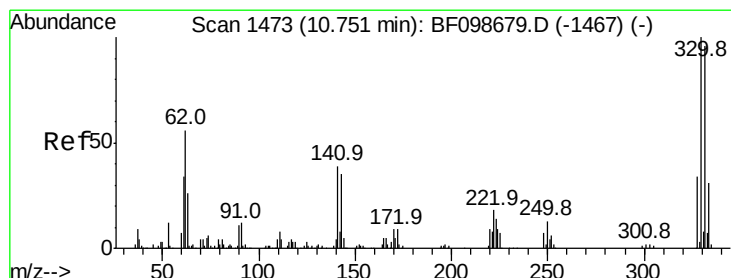
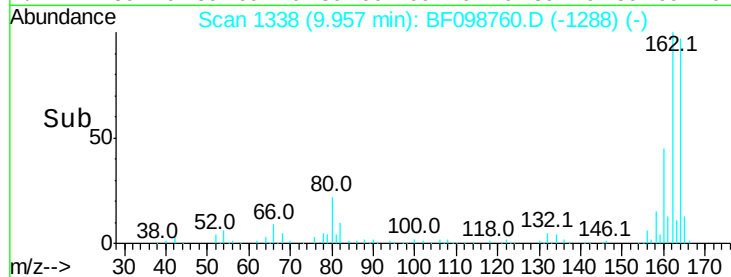
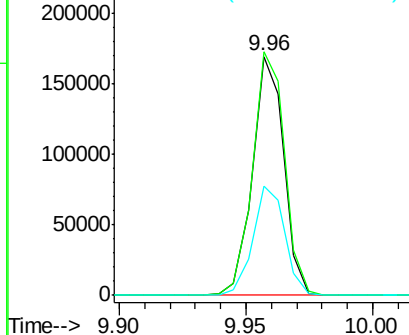
Tot Ion	Ratio	Lower	Upper
164	100		
162	102.0	86.1	129.1
160	45.6	38.3	57.5

Manual Integrations
 APPROVED

Sohil
 9/25/2017 6:26:43 PM



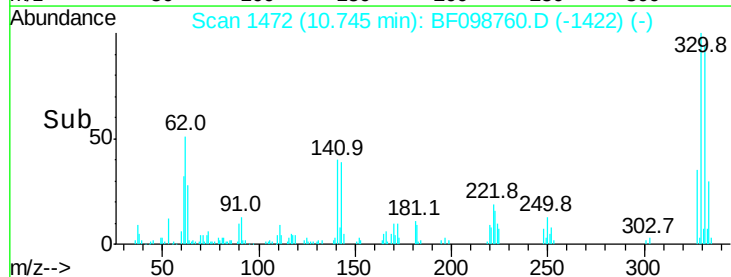
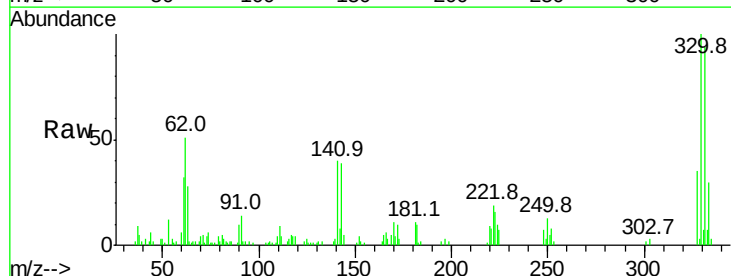
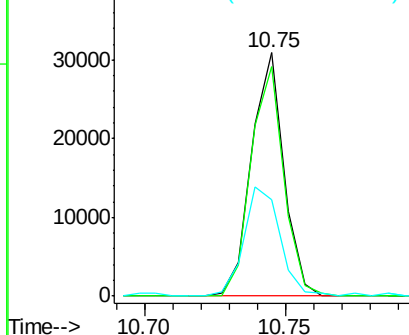
Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

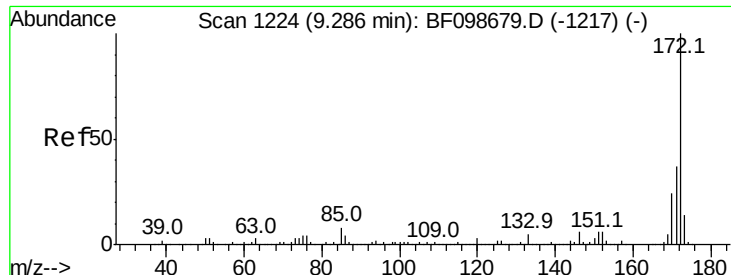


#41
 2,4,6-Tribromophenol
 Concen: 20.690 ng
 RT: 10.75 min Scan# 1472
 Delta R.T. -0.01 min
 Lab File: BF098760.D
 Acq: 24 Sep 2017 1:14

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.4	77.0	115.6
141	50.2	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





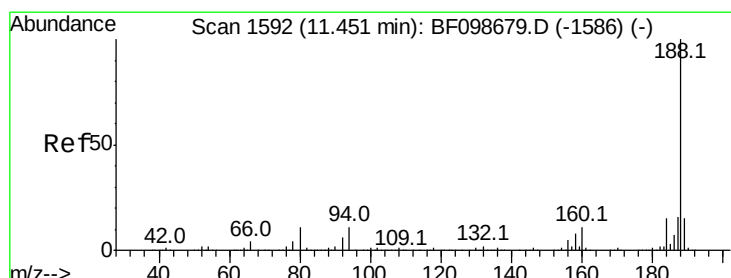
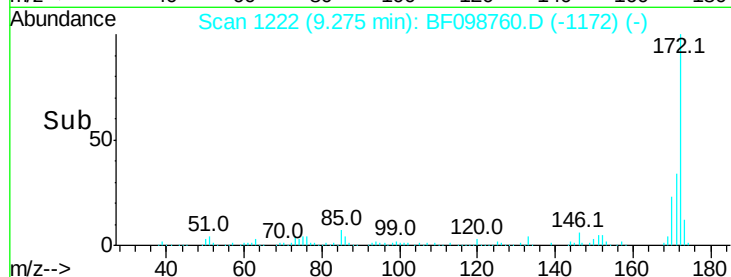
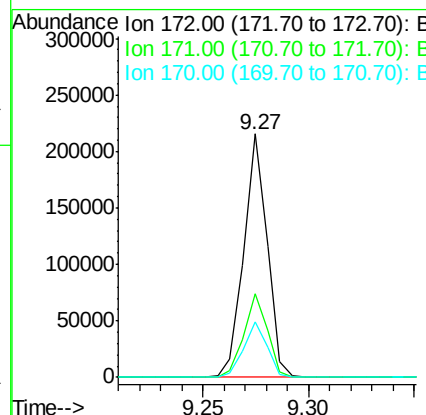
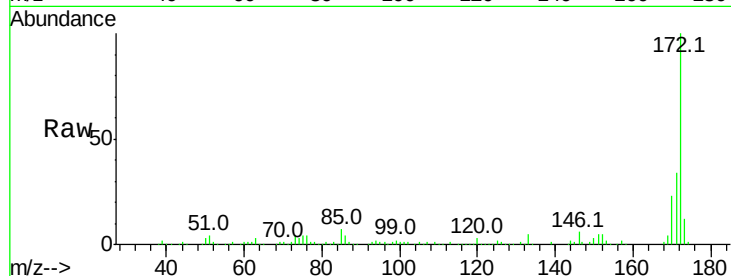
#44
 2-Fluorobiphenyl
 Concen: 18.840 ng
 RT: 9.27 min Scan# 1222
 Delta R.T. -0.01 min
 Lab File: BF098760.D
 Acq: 24 Sep 2017 1:14

Instrument :
 BNA_F
 ClientSampleId :
 SP-1-E-COMP

Tot Ion	Ratio	Resp	Lower	Upper
172	100	164027		
171	34.3	29.7	44.5	
170	22.9	19.6	29.4	

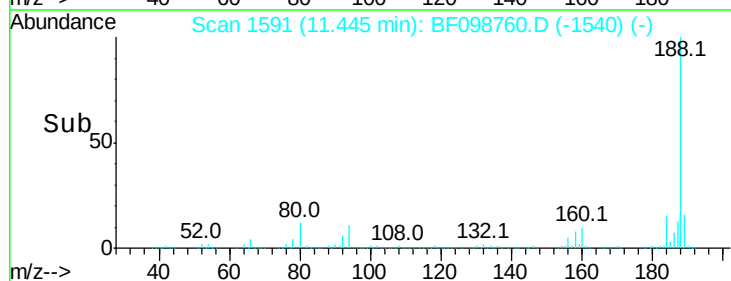
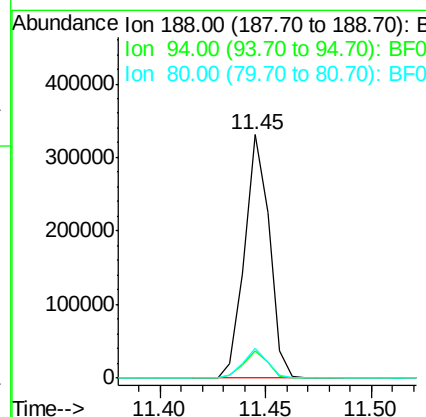
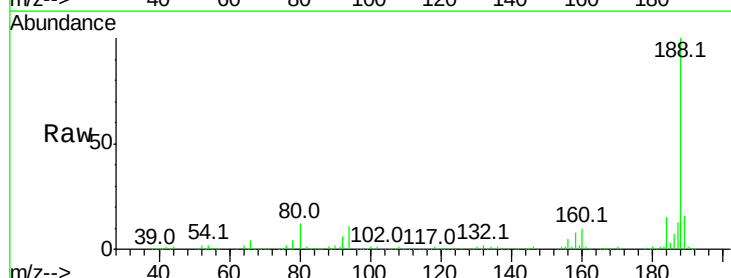
Manual Integrations
 APPROVED

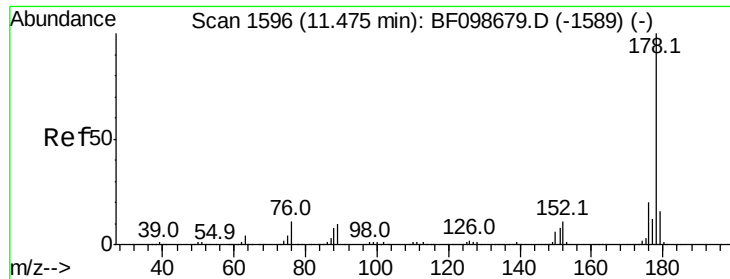
Sohil
 9/25/2017 6:26:43 PM



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.45 min Scan# 1591
 Delta R.T. -0.00 min
 Lab File: BF098760.D
 Acq: 24 Sep 2017 1:14

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	267780		
94	11.2	8.5	12.7	
80	12.5	9.2	13.8	





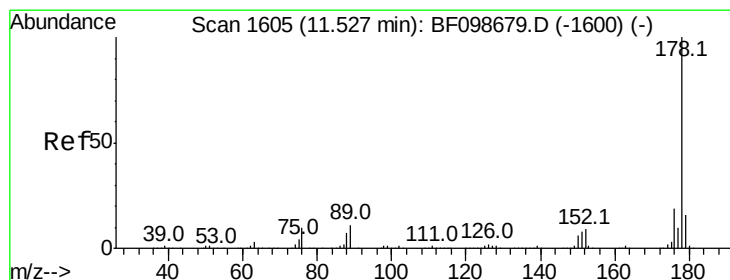
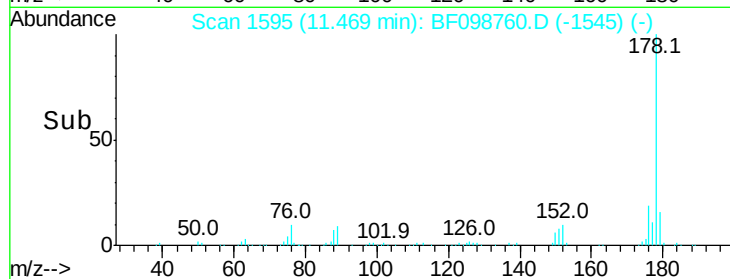
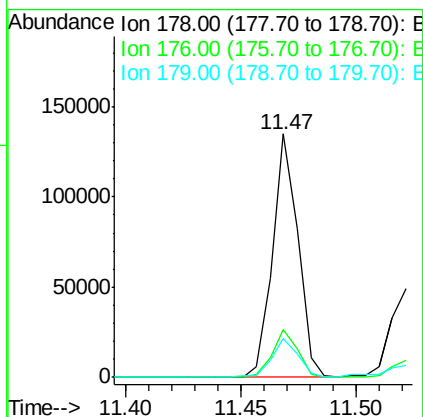
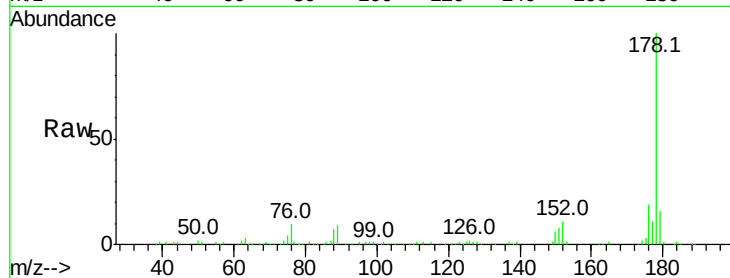
#70
Phenanthrene
Concen: 7.176 ng
RT: 11.47 min Scan# 1595
Delta R.T. -0.01 min
Lab File: BF098760.D
Acq: 24 Sep 2017 1:14

Instrument :
BNA_F
ClientSampleId :
SP-1-E-COMP

Tot Ion	Ratio	Resp	Lower	Upper
178	100	102858		
176	19.4	15.8	23.8	
179	15.8	13.0	19.6	

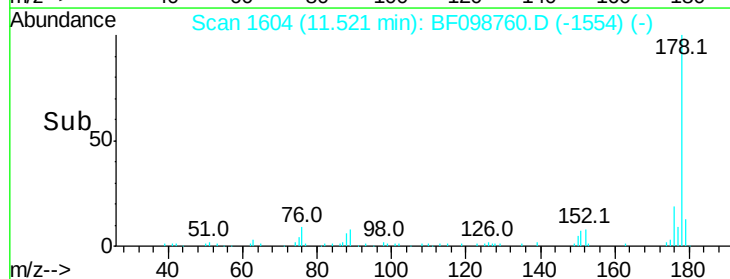
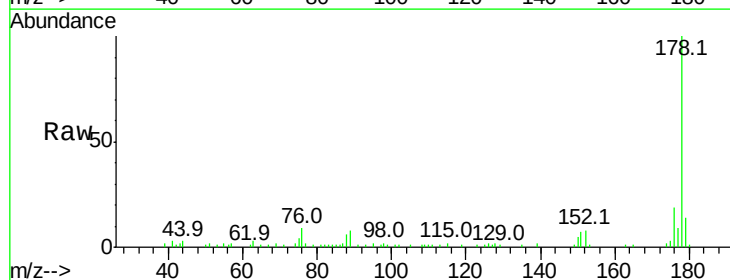
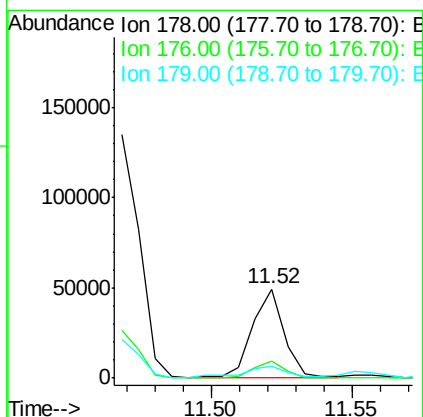
Manual Integrations
APPROVED

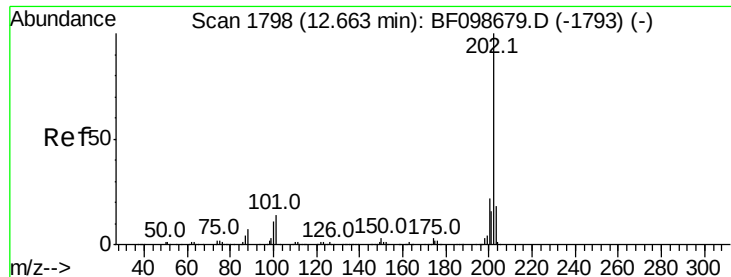
Sohil
9/25/2017 6:26:43 PM



#71
Anthracene
Concen: 2.574 ng
RT: 11.52 min Scan# 1604
Delta R.T. -0.01 min
Lab File: BF098760.D
Acq: 24 Sep 2017 1:14

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	37757		
176	19.2	15.4	23.2	
179	14.1	12.6	19.0	





#74

Fluoranthene

Concen: 12.873 ng

RT: 12.66 min Scan# 1797

Delta R.T. -0.01 min

Lab File: BF098760.D

Acq: 24 Sep 2017 1:14

Instrument :

BNA_F

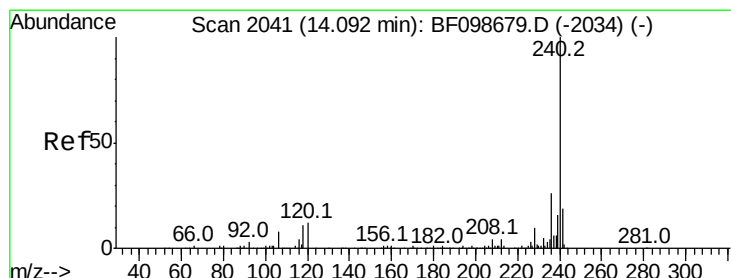
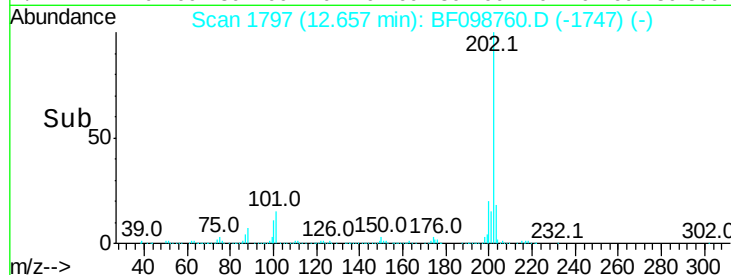
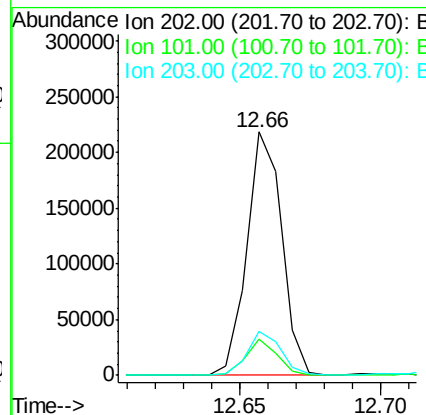
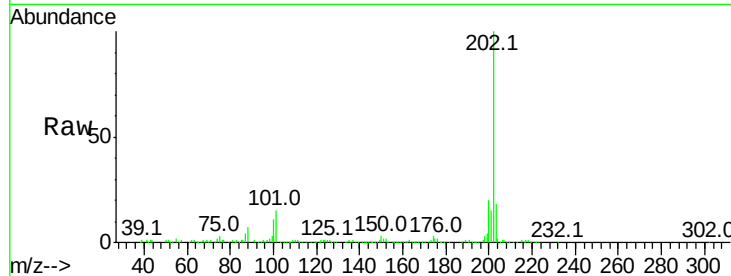
ClientSampleId :

SP-1-E-COMP

Tot Ion:	202	Resp:	186836
Ion Ratio	Lower	Upper	
202	100		
101	14.7	0.0	34.1
203	18.1	0.0	38.1

Manual Integrations
APPROVED

Sohil
9/25/2017 6:26:43 PM



#75

Chrysene-d12

Concen: 20.000 ng

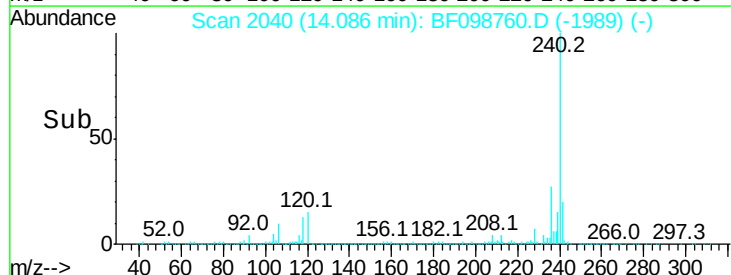
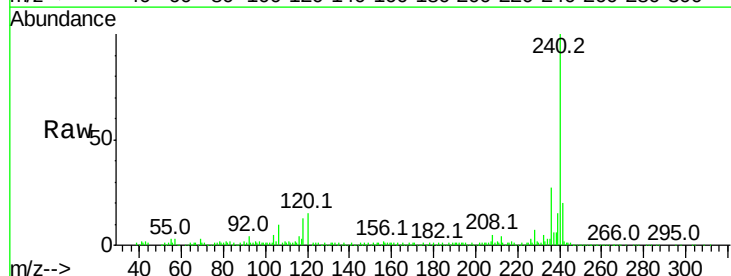
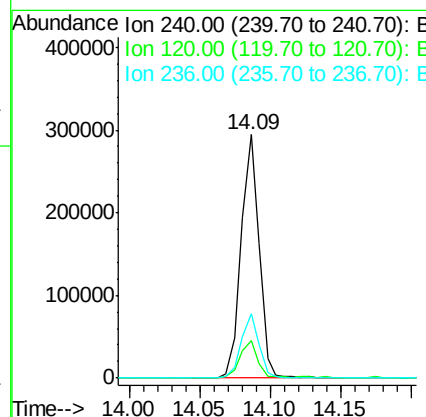
RT: 14.09 min Scan# 2040

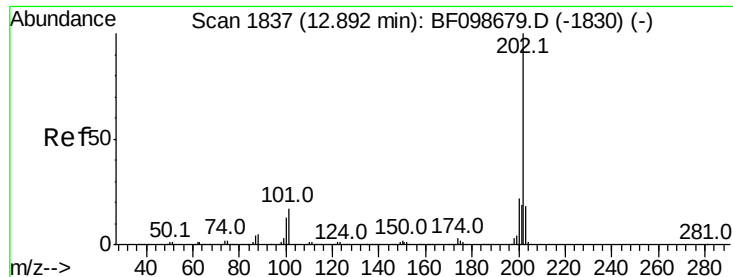
Delta R.T. -0.00 min

Lab File: BF098760.D

Acq: 24 Sep 2017 1:14

Tgt Ion:	240	Resp:	259232
Ion Ratio	Lower	Upper	
240	100		
120	15.5	9.5	14.3#
236	26.7	20.7	31.1





#77

Pvrene

Concen: 9.917 ng

RT: 12.89 min Scan# 1836

Delta R.T. -0.01 min

Lab File: BF098760.D

Acq: 24 Sep 2017 1:14

Instrument :

BNA_F

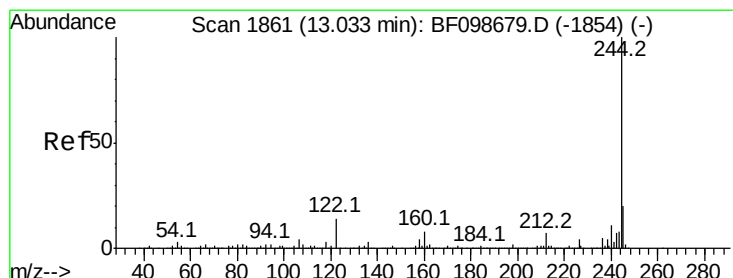
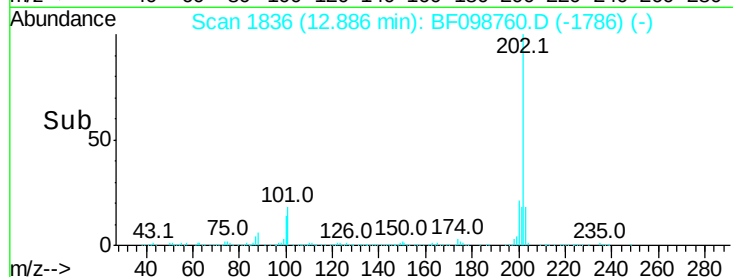
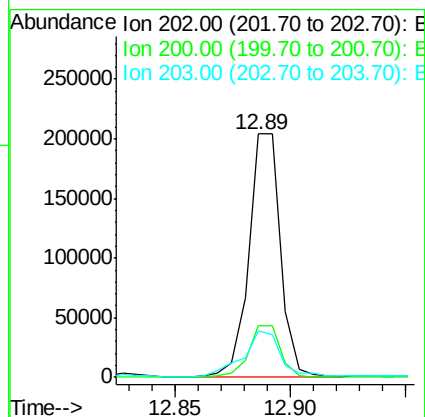
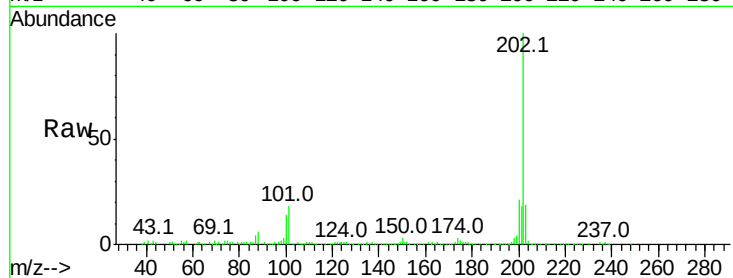
ClientSampled :

SP-1-E-COMP

Tot Ion:	202	Resp:	196037
Ion Ratio	Lower	Upper	
202	100		
200	21.0	17.4	26.2
203	18.9	14.3	21.5

Manual Integrations
APPROVED

Sohil
9/25/2017 6:26:43 PM



#78

Terphenyl-d14

Concen: 13.639 ng

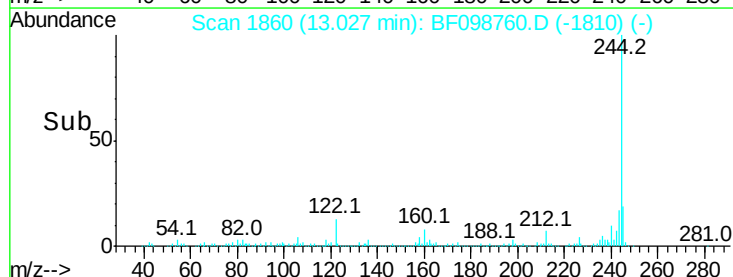
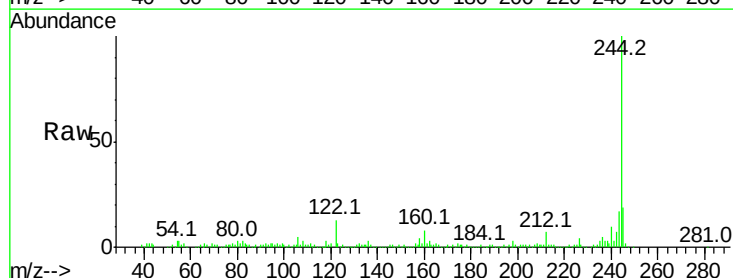
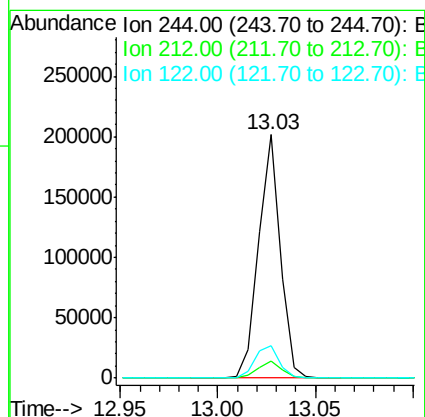
RT: 13.03 min Scan# 1860

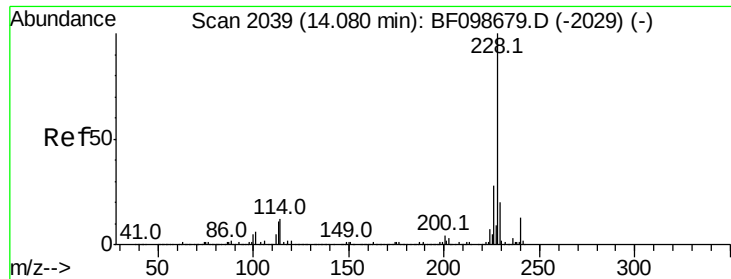
Delta R.T. -0.01 min

Lab File: BF098760.D

Acq: 24 Sep 2017 1:14

Tgt Ion:	244	Resp:	155471
Ion Ratio	Lower	Upper	
244	100		
212	7.2	5.4	8.0
122	13.2	11.0	16.4





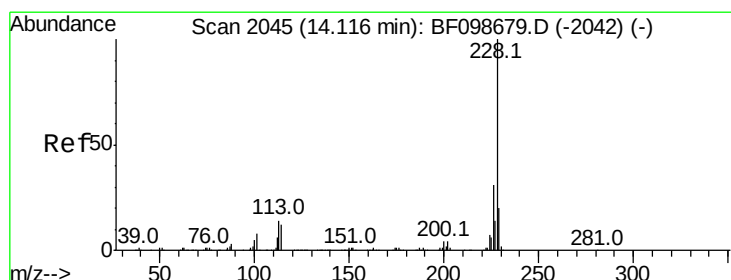
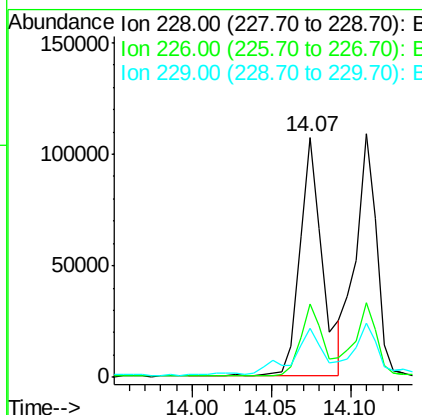
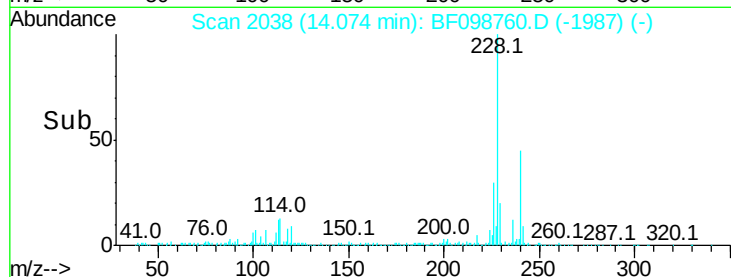
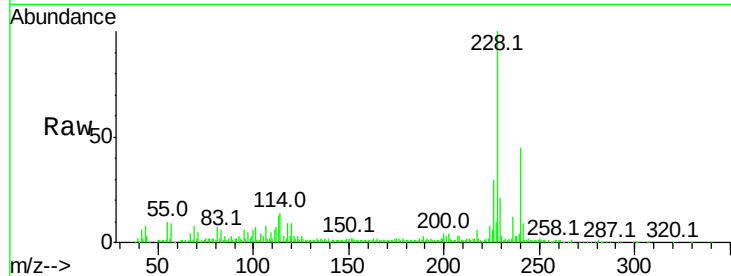
#80
Benzo(a)anthracene
Concen: 6.754 ng
RT: 14.07 min Scan# 2038
Delta R.T. -0.00 min
Lab File: BF098760.D
Acq: 24 Sep 2017 1:14

Instrument :
BNA_F
ClientSampled :
SP-1-E-COMP

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.4	22.6	33.8
229	20.7	15.8	23.6

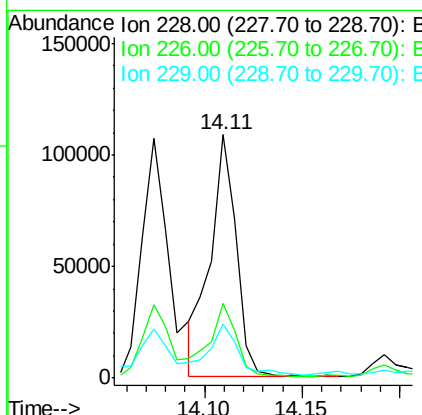
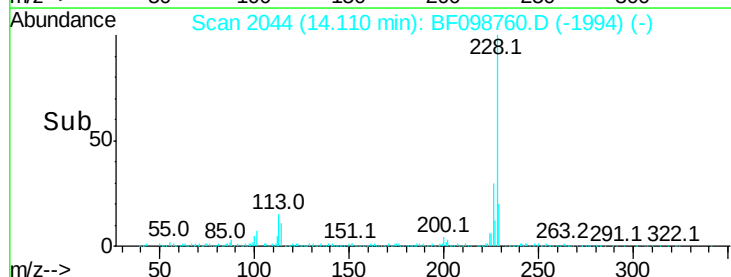
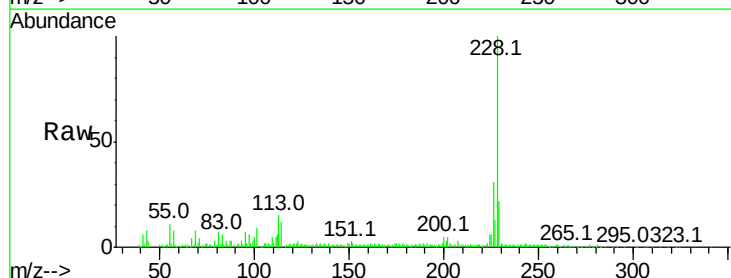
Manual Integrations
APPROVED

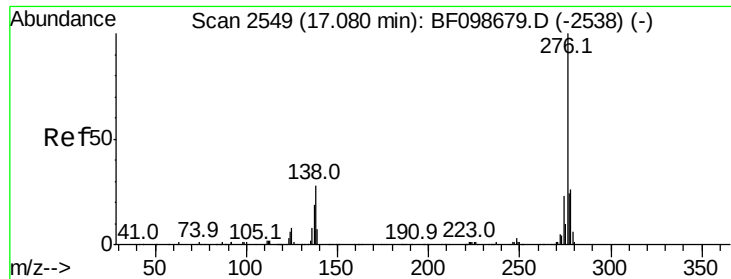
Sohil
9/25/2017 6:26:43 PM



#82
Chrysene
Concen: 6.746 ng
RT: 14.11 min Scan# 2044
Delta R.T. -0.01 min
Lab File: BF098760.D
Acq: 24 Sep 2017 1:14

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.0	37.6
229	22.0	16.2	24.4





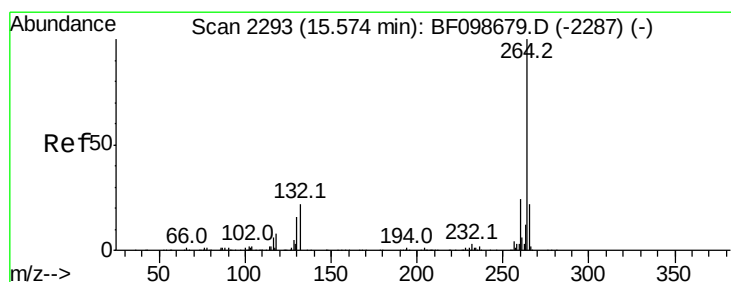
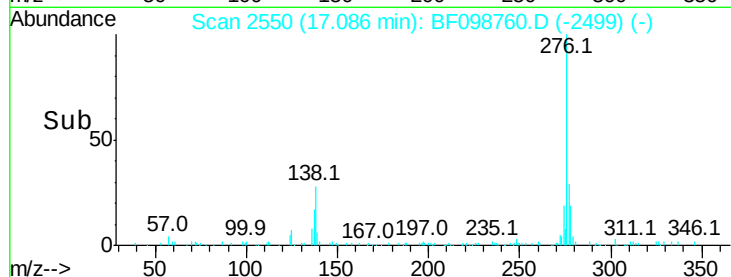
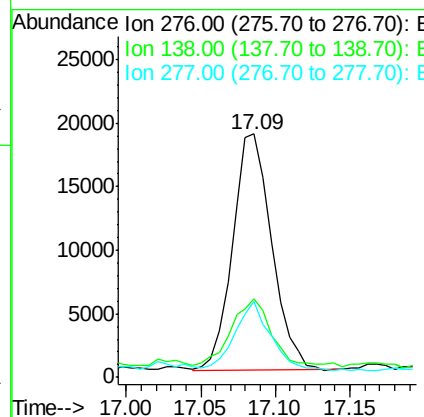
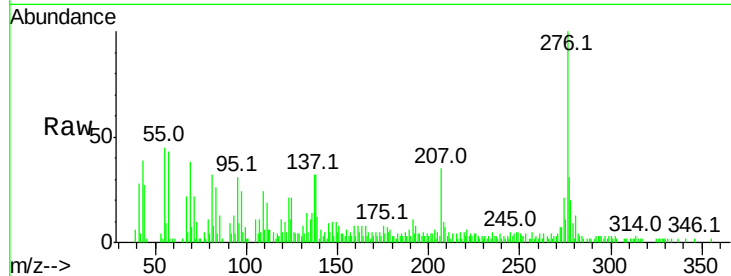
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.858 ng
 RT: 17.09 min Scan# 2550
 Delta R.T. -0.00 min
 Lab File: BF098760.D
 Acq: 24 Sep 2017 1:14

Instrument :
 BNA_F
 ClientSampleId :
 SP-1-E-COMP

Tot Ion	Ratio	Lower	Upper
276	100		
138	30.5	25.0	37.6
277	27.0	20.1	30.1

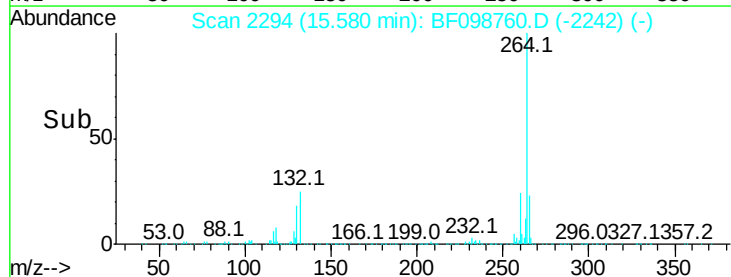
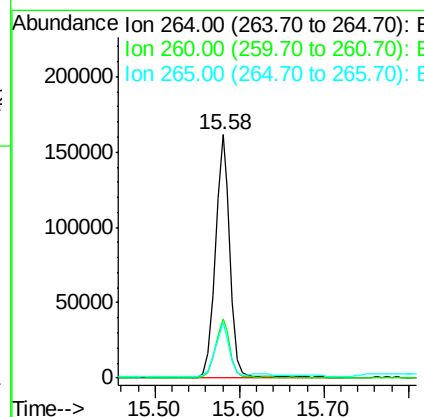
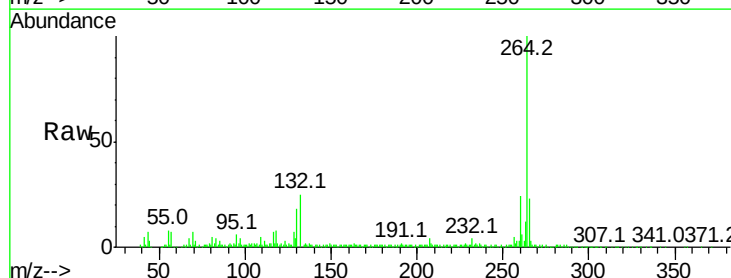
Manual Integrations
 APPROVED

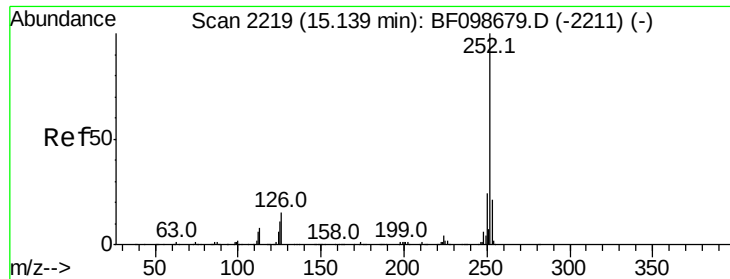
Sohil
 9/25/2017 6:26:43 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.58 min Scan# 2294
 Delta R.T. 0.01 min
 Lab File: BF098760.D
 Acq: 24 Sep 2017 1:14

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	22.9	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 10.379 ng m

RT: 15.14 min Scan# 2219

Delta R.T. -0.00 min

Lab File: BF098760.D

Acq: 24 Sep 2017 1:14

Instrument :

BNA_F

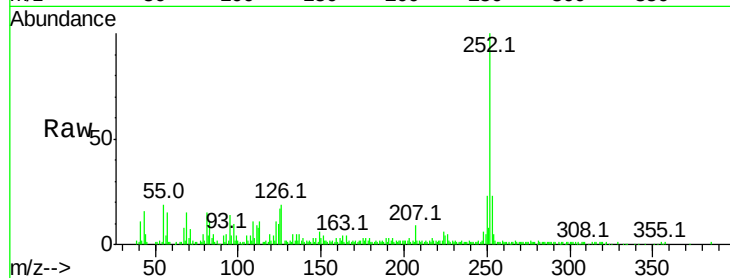
ClientSampleId :

SP-1-E-COMP

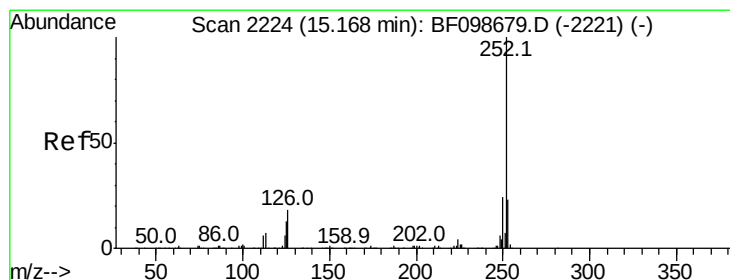
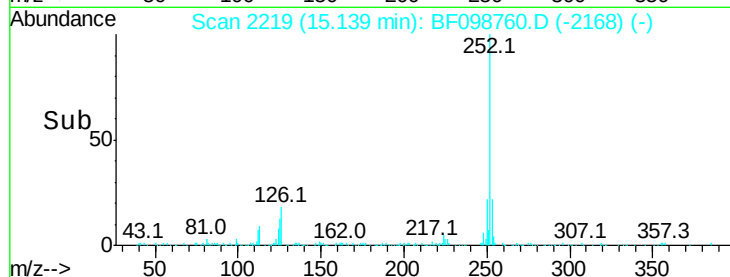
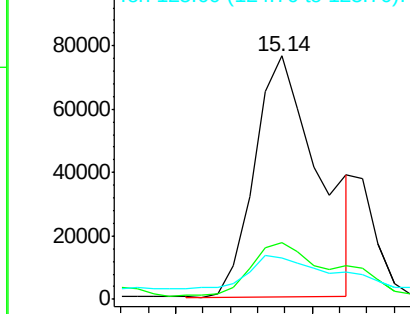
Tot Ion:	252	Resp:	125241
Ion Ratio	Lower	Upper	
252	100		
253	23.5	17.0	25.6
125	17.2	9.0	13.6#

Manual Integrations
APPROVED

Sohil
9/25/2017 6:26:43 PM



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: 2.945 ng m

RT: 15.16 min Scan# 2223

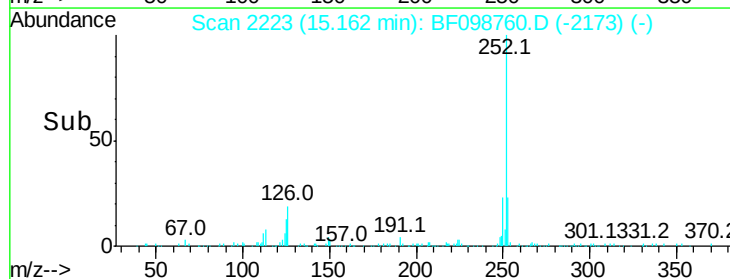
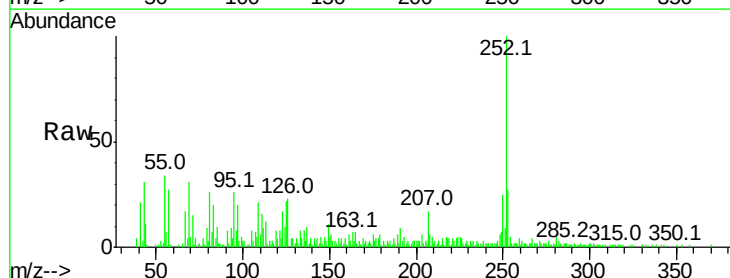
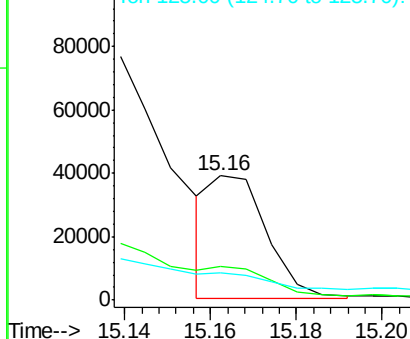
Delta R.T. -0.01 min

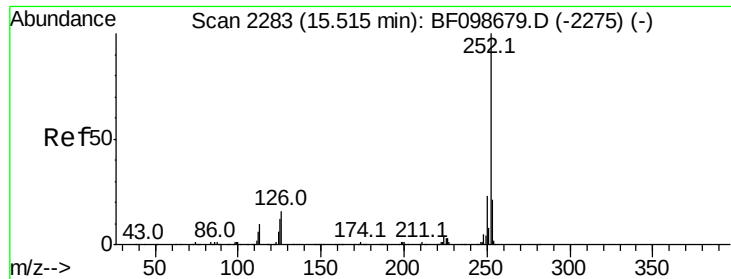
Lab File: BF098760.D

Acq: 24 Sep 2017 1:14

Tgt Ion:	252	Resp:	35093
Ion Ratio	Lower	Upper	
252	100		
253	27.3	17.9	26.9#
125	21.7	10.2	15.2#

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





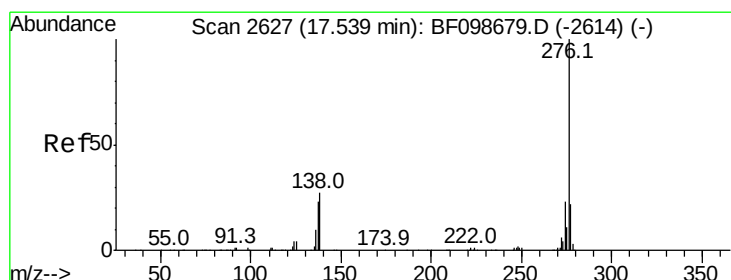
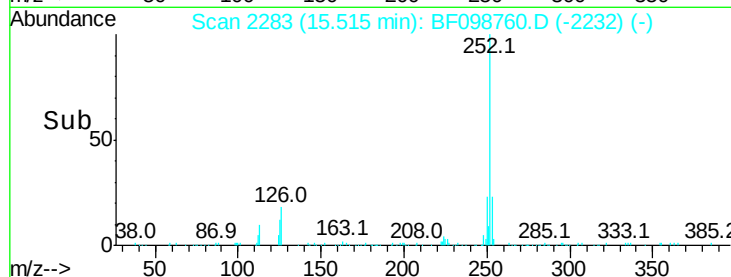
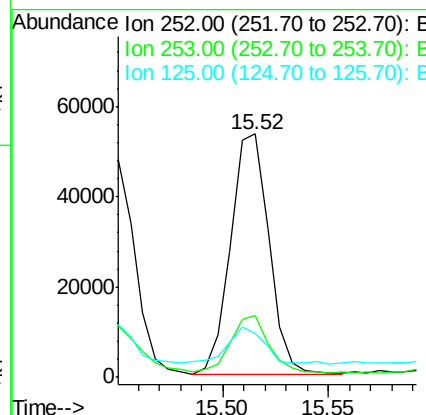
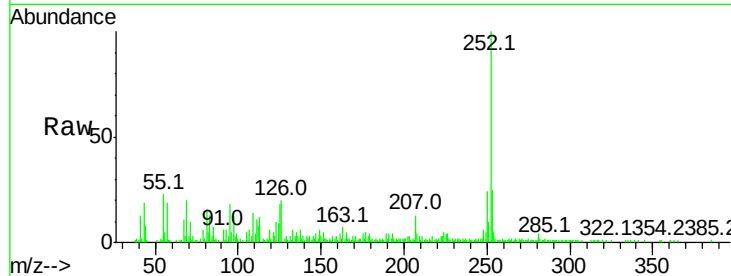
#89
Benzo(a)pyrene
Concen: 6.052 ng
RT: 15.52 min Scan# 2283
Delta R.T. -0.00 min
Lab File: BF098760.D
Acq: 24 Sep 2017 1:14

Instrument :
BNA_F
ClientSampleId :
SP-1-E-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.1	25.7
125	18.1	9.8	14.6

Manual Integrations
APPROVED

Sohil
9/25/2017 6:26:43 PM



#91
Benzo(g,h,i)perylene
Concen: 4.009 ng
RT: 17.54 min Scan# 2628
Delta R.T. -0.00 min
Lab File: BF098760.D
Acq: 24 Sep 2017 1:14

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.7	17.9	26.9
138	37.3	21.8	32.8

