

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092717\
 Data File : BF098883.D
 Acq On : 28 Sep 2017 00:48
 Operator : SJ/JU
 Sample : I5249-03
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF1

Manual Integrations
 APPROVED

Sohil
 9/28/2017 2:32:31 PM

Quant Time: Sep 28 06:53:29 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	127335	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	511154	20.00	ng	0.00
38) Acenaphthene-d10	9.95	164	204763	20.00	ng	-0.01
63) Phenanthrene-d10	11.44	188	314143	20.00	ng	0.00
75) Chrysene-d12	14.08	240	262841	20.00	ng	0.00
86) Perylene-d12	15.57	264	203678	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	973050	121.65	ng	0.00
7) Phenol-d6	6.54	99	1190190	120.62	ng	0.00
23) Nitrobenzene-d5	7.47	82	689448	86.50	ng	-0.01
41) 2,4,6-Tribromophenol	10.74	330	171226	102.19	ng	-0.01
44) 2-Fluorobiphenyl	9.27	172	916135	74.69	ng	-0.01
78) Terphenyl-d14	13.02	244	667523	57.76	ng	-0.01
Target Compounds						
10) Phenol	6.55	94	37142	3.366	ng	Qvalue 93
31) Naphthalene	8.22	128	219422	9.140	ng	99
49) Dimethylphthalate	9.66	163	220435	14.264	ng	98
70) Phenanthrene	11.46	178	84760	5.041	ng	98
71) Anthracene	11.52	178	38451	2.235	ng	97
74) Fluoranthene	12.65	202	190167	11.168	ng	99
77) Pyrene	12.88	202	181285	9.045	ng	99
80) Benzo(a)anthracene	14.07	228	97958m	6.155	ng	
82) Chrysene	14.10	228	86829	5.730	ng	96
83) Bis(2-ethylhexyl)phthalate	14.05	149	66136	5.099	ng	100
85) Indeno(1,2,3-cd)pyrene	17.07	276	26194	2.161	ng	# 94
87) Benzo(b)fluoranthene	15.13	252	96959m	7.742	ng	
88) Benzo(k)fluoranthene	15.16	252	25625m	2.072	ng	
89) Benzo(a)pyrene	15.50	252	62071	5.400	ng	# 90
91) Benzo(a,h,i)perylene	17.53	276	28557	3.140	ng	94

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

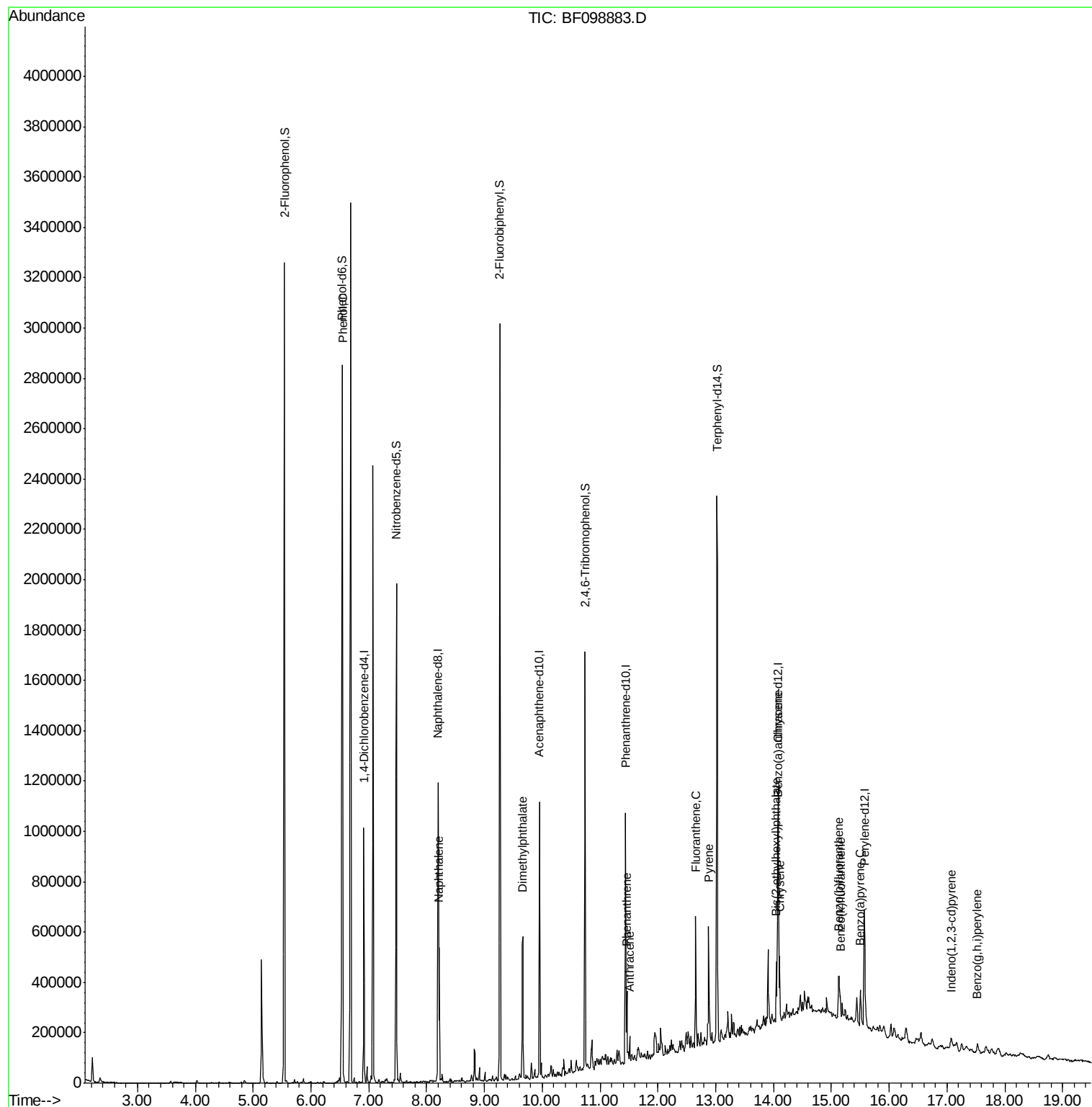
Data Path : Z:\HPCHEM1\BNA F\DATA\BF092717\
Data File : BF098883.D
Acq On : 28 Sep 2017 00:48
Operator : SJ/JU
Sample : I5249-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF1

Manual Integrations
APPROVED

Sohil
9/28/2017 2:32:31 PM

Quant Time: Sep 28 06:53:29 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

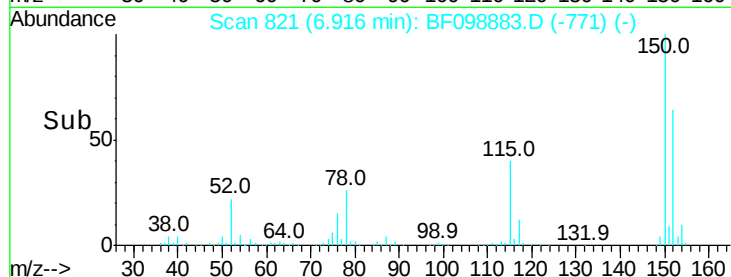
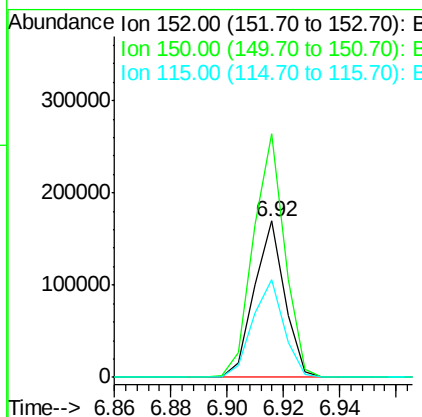
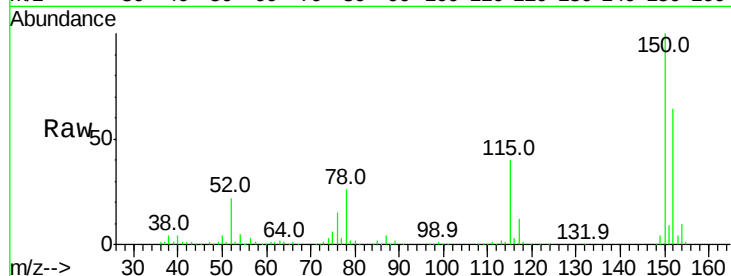
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF098883.D
Acq: 28 Sep 2017 00:48

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF1

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.8	124.6	186.8
115	62.6	50.1	75.1

Manual Integrations
APPROVED

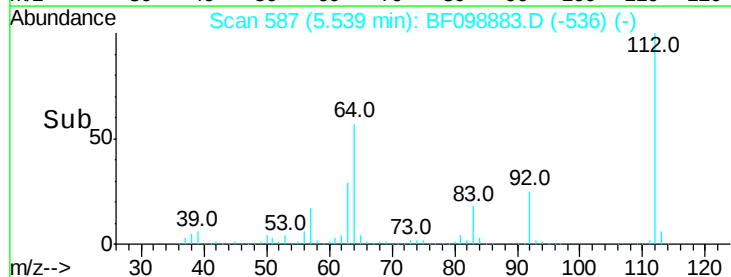
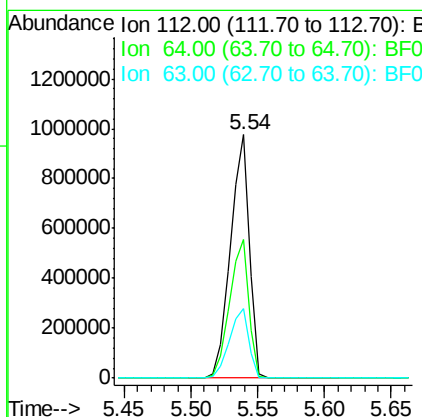
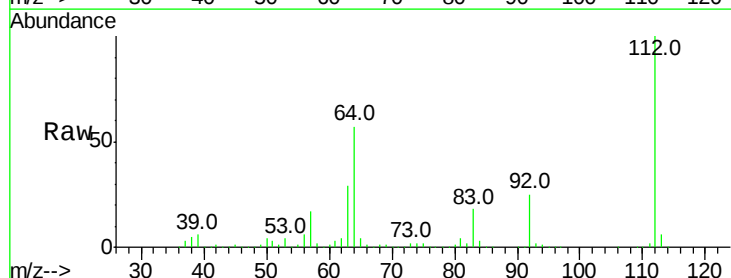
Sohil
9/28/2017 2:32:31 PM

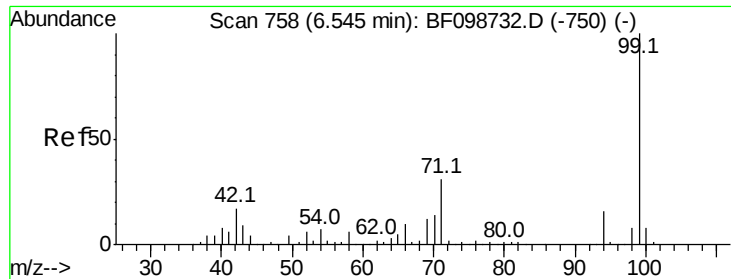


#5

2-Fluorophenol
Concen: 121.648 ng
RT: 5.54 min Scan# 587
Delta R.T. -0.00 min
Lab File: BF098883.D
Acq: 28 Sep 2017 00:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.2	47.9	71.9
63	28.7	23.7	35.5





#7

Phenol-d6

Concen: 120.616 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.01 min

Lab File: BF098883.D

Acq: 28 Sep 2017 00:48

Instrument :

BNA_F

ClientSampleId :

ROLL-OFF1

Tot Ion: 99 Resp: 1190190

Ion Ratio Lower Upper

99 100

42 18.1 14.5 21.7

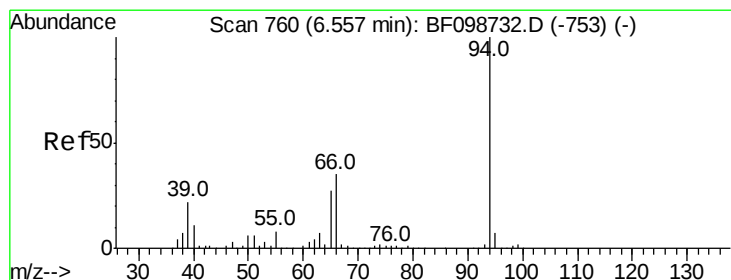
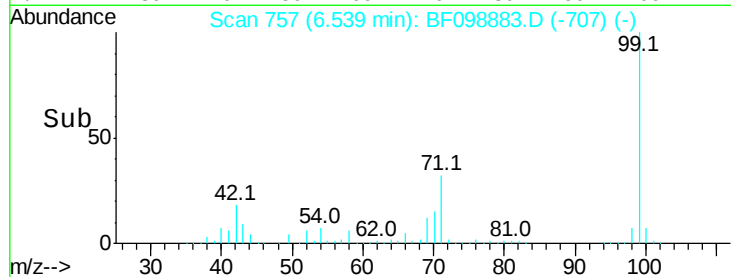
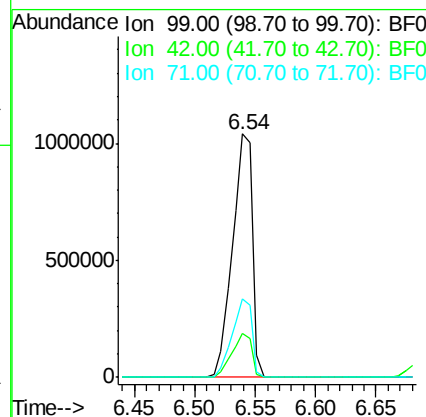
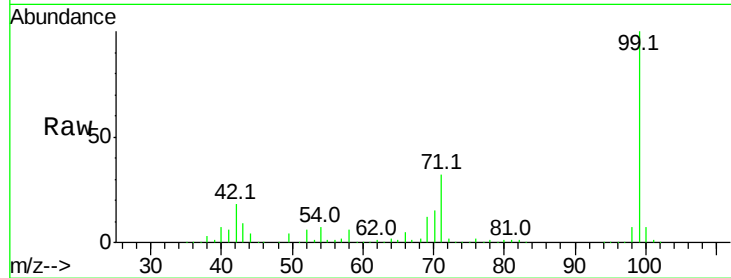
71 32.1 25.4 38.0

Manual Integrations

APPROVED

Sohil

9/28/2017 2:32:31 PM



#10

Phenol

Concen: 3.366 ng

RT: 6.55 min Scan# 759

Delta R.T. -0.01 min

Lab File: BF098883.D

Acq: 28 Sep 2017 00:48

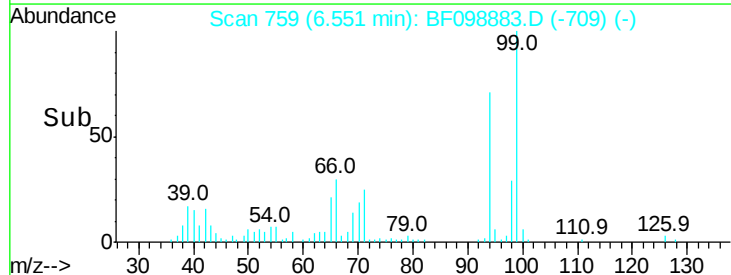
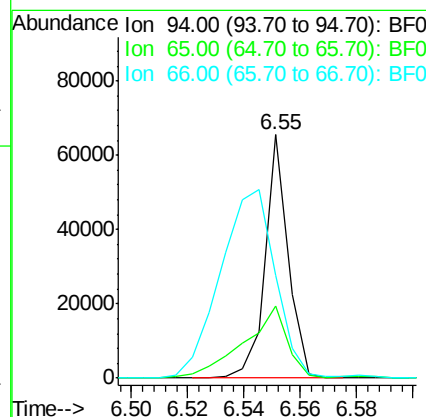
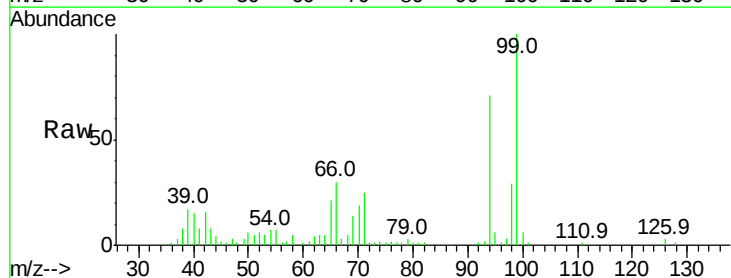
Tgt Ion: 94 Resp: 37142

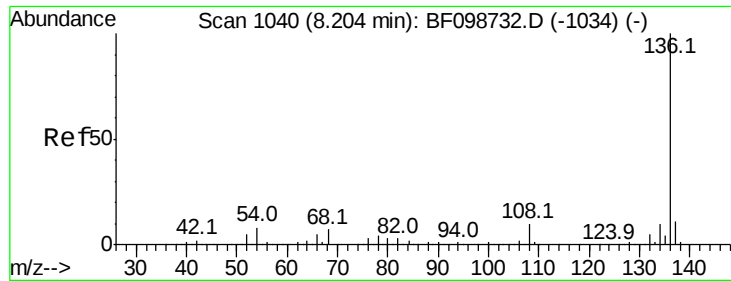
Ion Ratio Lower Upper

94 100

65 29.5 7.9 47.9

66 42.5 16.2 56.2





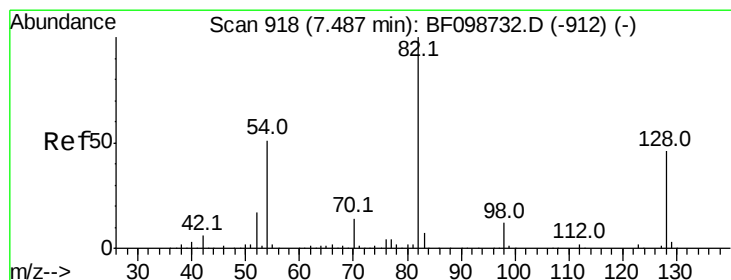
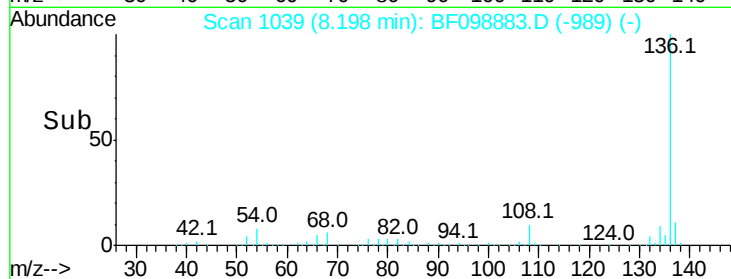
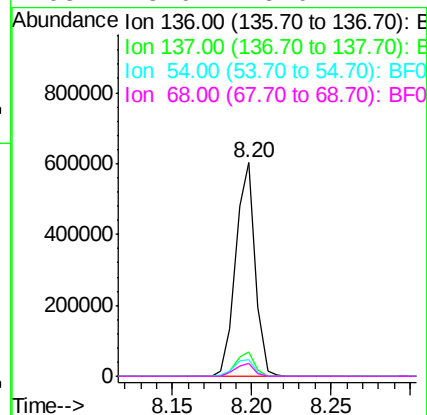
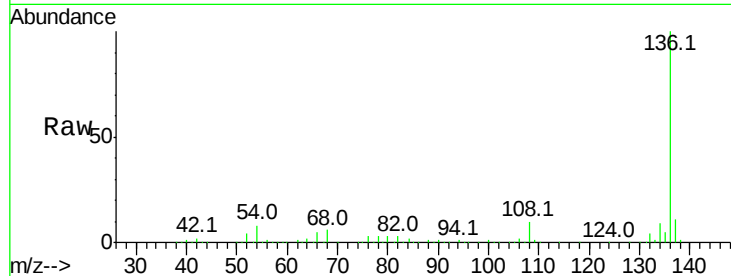
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.20 min Scan# 1039
Delta R.T. -0.01 min
Lab File: BF098883.D
Acq: 28 Sep 2017 00:48

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF1

Tot Ion	Ratio	Resp	Lower	Upper
136	100	511154		
137	11.1	8.9	13.3	
54	7.6	6.6	9.8	
68	5.9	5.0	7.4	

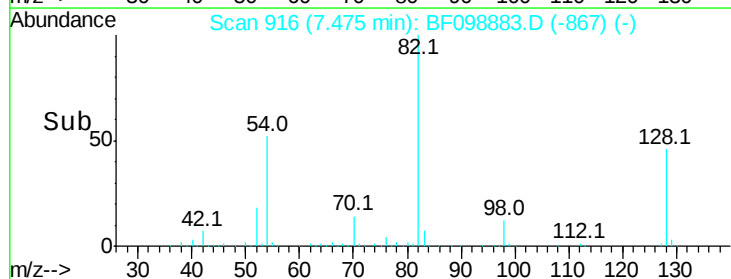
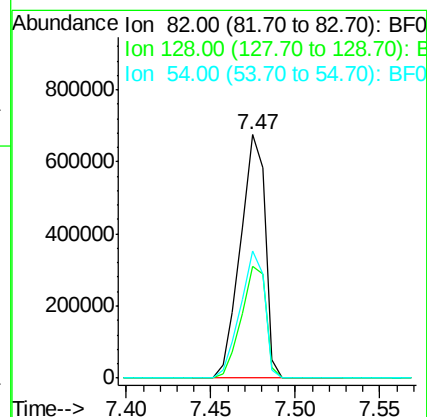
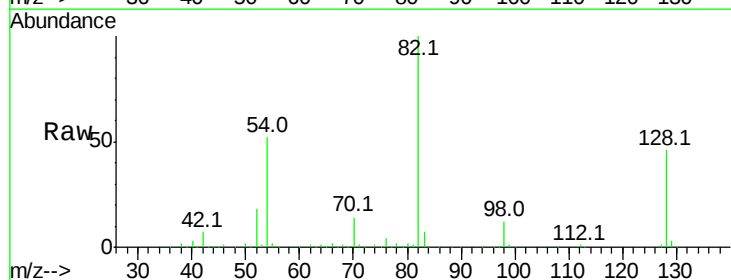
Manual Integrations
APPROVED

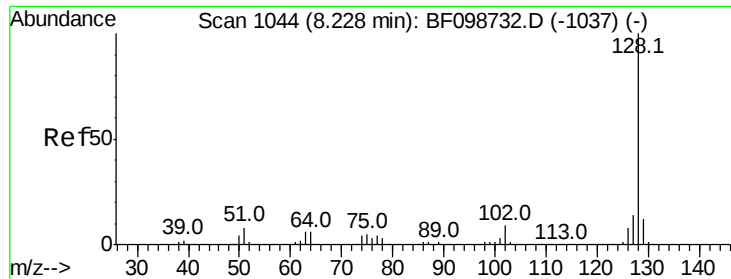
Sohil
9/28/2017 2:32:31 PM



#23
Nitrobenzene-d5
Concen: 86.499 ng
RT: 7.47 min Scan# 916
Delta R.T. -0.01 min
Lab File: BF098883.D
Acq: 28 Sep 2017 00:48

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	689448		
128	45.7	36.1	54.1	
54	52.3	41.4	62.2	





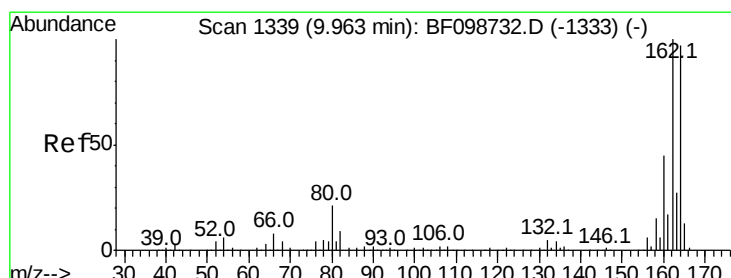
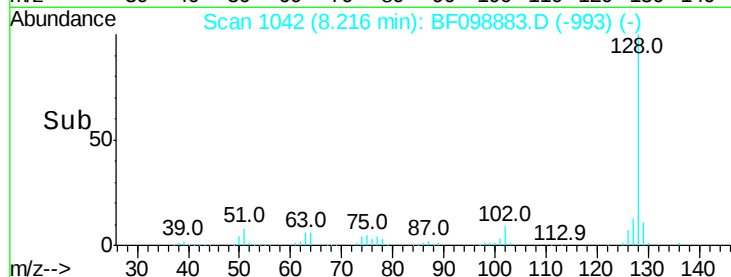
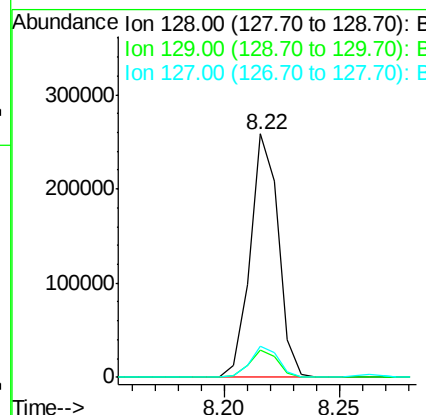
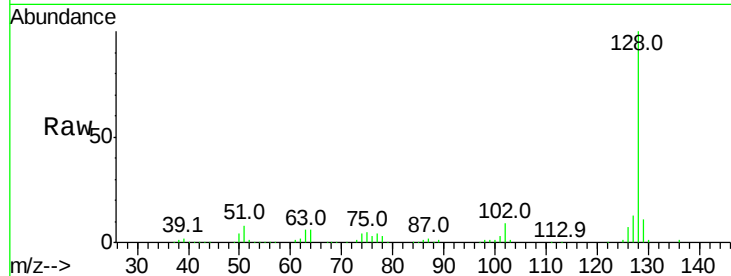
#31
Naphthalene
Concen: 9.140 ng
RT: 8.22 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BF098883.D
Acq: 28 Sep 2017 00:48

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF1

Tot Ion	Ratio	Resp Lower	Upper
128	100		
129	11.1	8.8	13.2
127	12.9	10.9	16.3

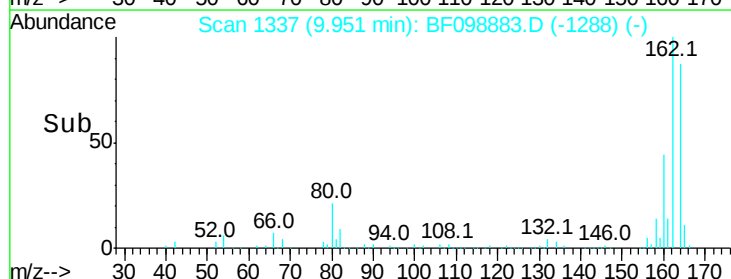
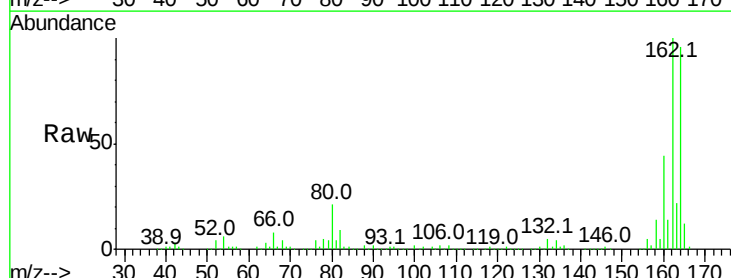
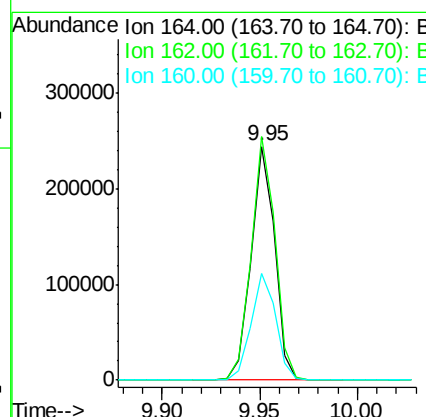
Manual Integrations
APPROVED

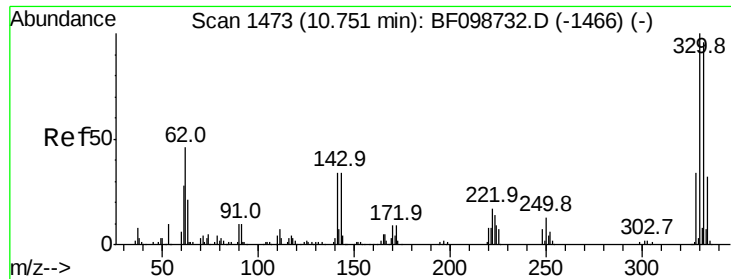
Sohil
9/28/2017 2:32:31 PM



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.95 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BF098883.D
Acq: 28 Sep 2017 00:48

Tgt Ion	Ratio	Resp Lower	Upper
164	100		
162	104.3	86.1	129.1
160	45.9	38.3	57.5





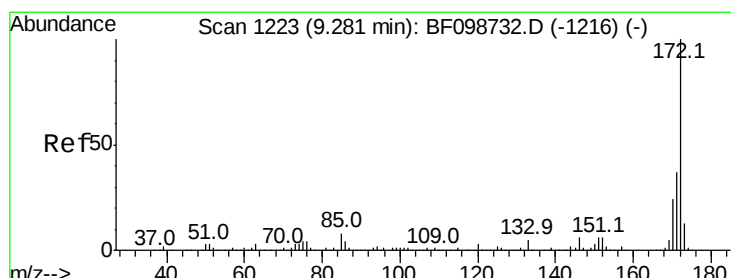
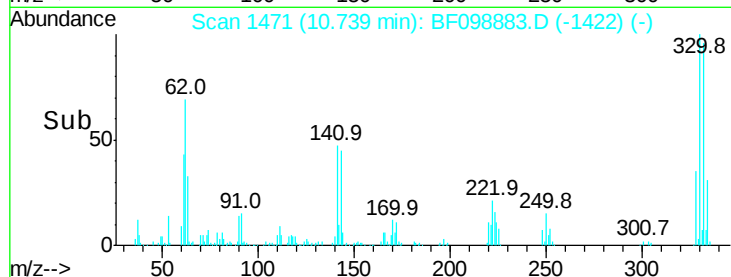
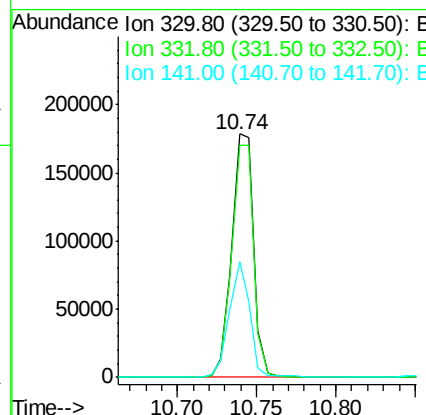
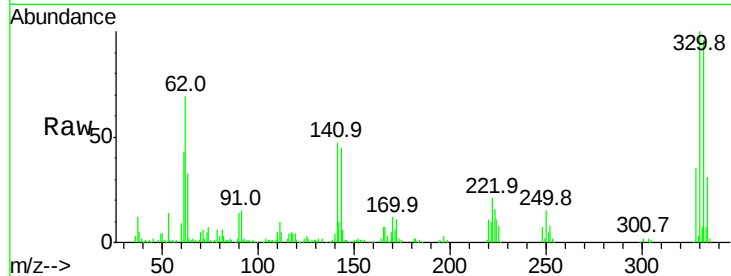
#41
 2,4,6-Tribromophenol
 Concen: 102.193 ng
 RT: 10.74 min Scan# 1471
 Delta R.T. -0.01 min
 Lab File: BF098883.D
 Acq: 28 Sep 2017 00:48

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF1

Tot Ion	Ratio	Resp	Lower	Upper
330	100	171226		
332	96.0	77.0	115.6	
141	43.5	29.9	44.9	

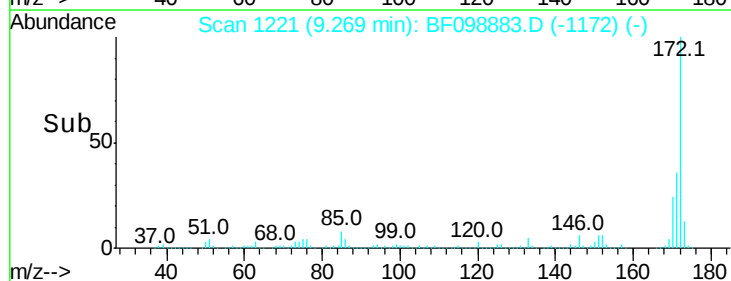
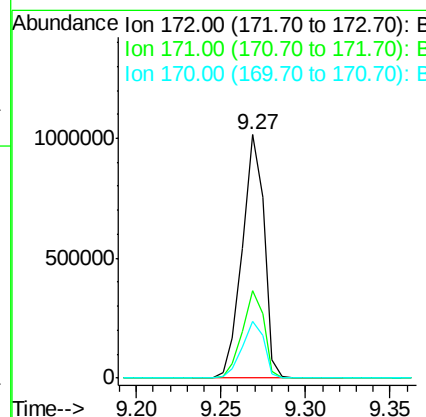
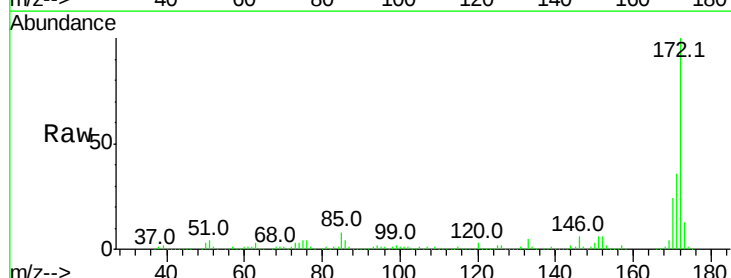
Manual Integrations
 APPROVED

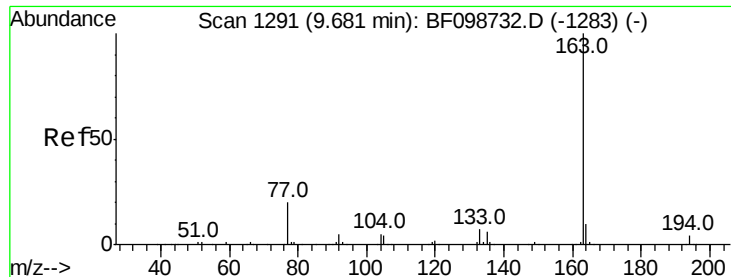
Sohil
 9/28/2017 2:32:31 PM



#44
 2-Fluorobiphenyl
 Concen: 74.692 ng
 RT: 9.27 min Scan# 1221
 Delta R.T. -0.01 min
 Lab File: BF098883.D
 Acq: 28 Sep 2017 00:48

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	916135		
171	36.0	29.7	44.5	
170	23.5	19.6	29.4	





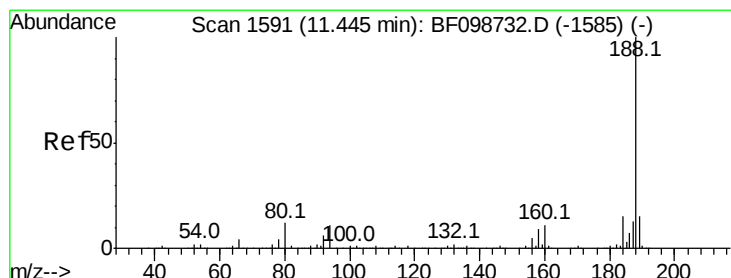
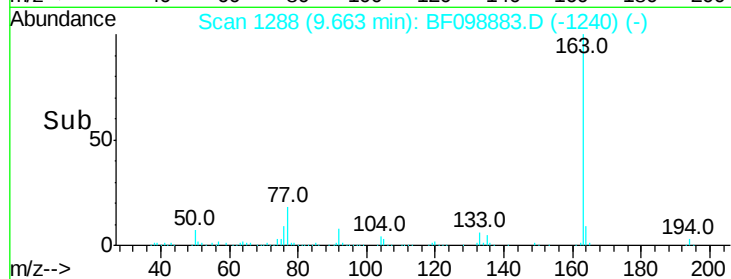
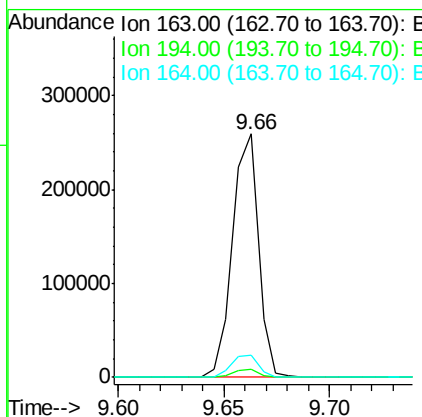
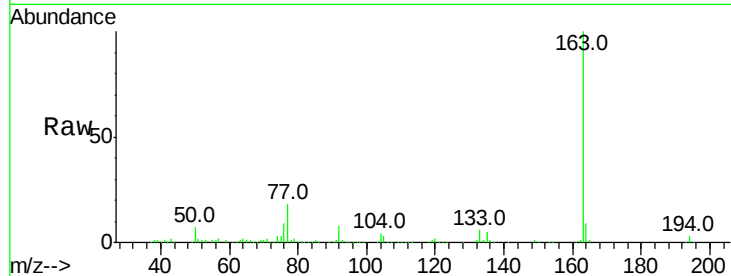
#49
Dimethylphthalate
Concen: 14.264 ng
RT: 9.66 min Scan# 1288
Delta R.T. -0.02 min
Lab File: BF098883.D
Acq: 28 Sep 2017 00:48

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF1

Tot Ion	Ratio	Resp	Lower	Upper
163	100	220435		
194	3.2		2.7	4.1
164	9.3		8.2	12.2

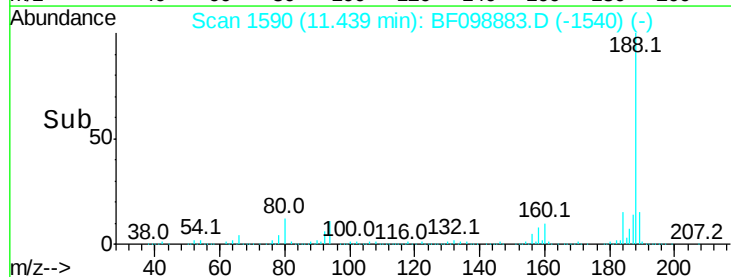
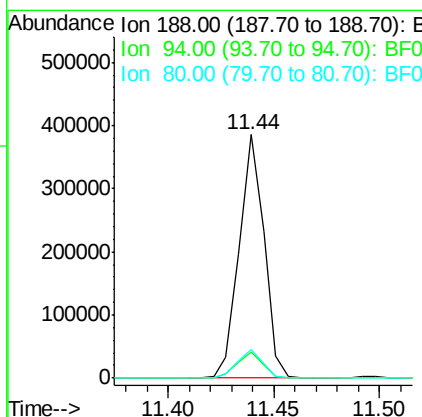
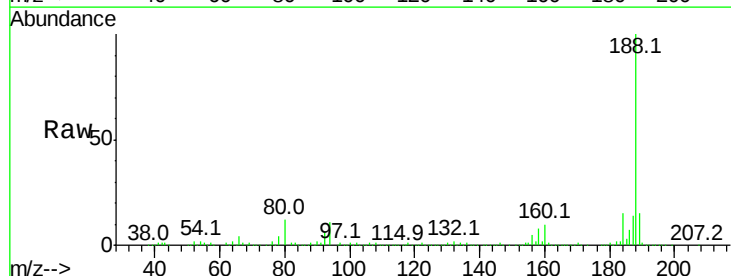
Manual Integrations
APPROVED

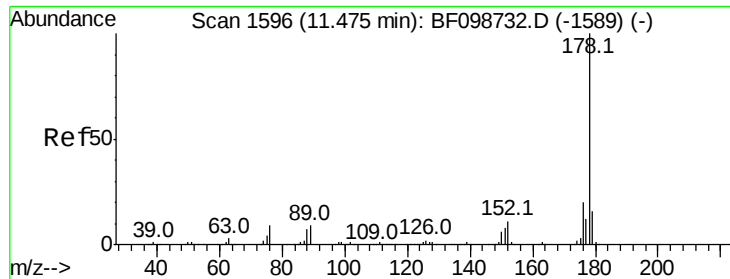
Sohil
9/28/2017 2:32:31 PM



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BF098883.D
Acq: 28 Sep 2017 00:48

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	314143		
94	10.9		8.5	12.7
80	11.8		9.2	13.8





#70

Phenanthrene

Concen: 5.041 ng

RT: 11.46 min Scan# 1594

Delta R.T. -0.01 min

Lab File: BF098883.D

Acq: 28 Sep 2017 00:48

Instrument :

BNA_F

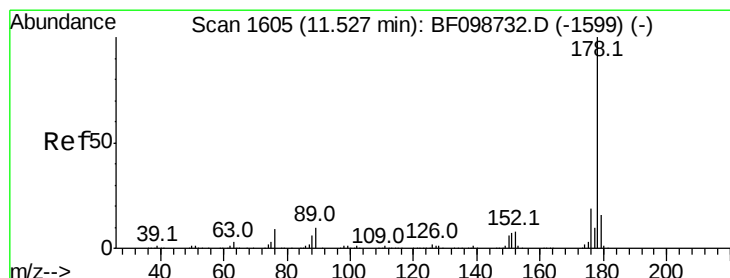
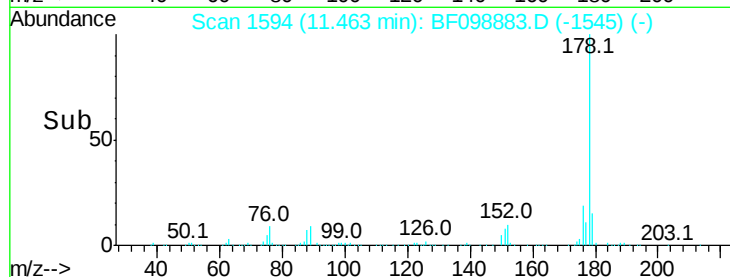
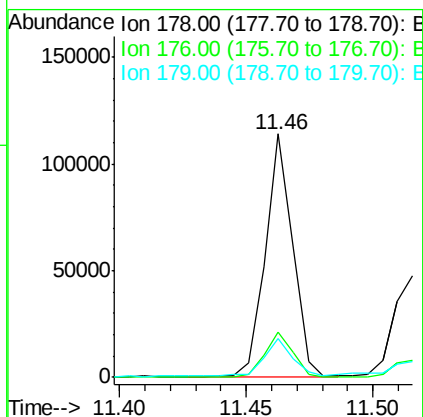
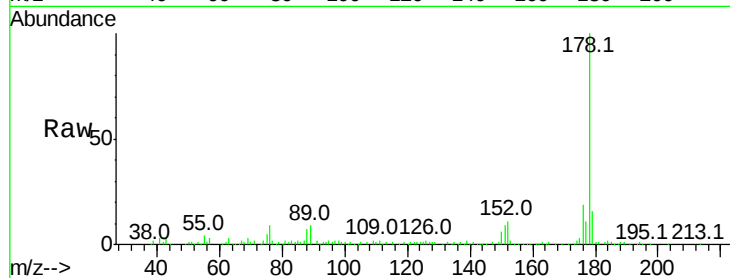
ClientSampled :

ROLL-OFF1

Tot Ion:	178	Resp:	84760
Ion Ratio	Lower	Upper	
178	100		
176	18.8	15.8	23.8
179	15.9	13.0	19.6

Manual Integrations
APPROVED

Sohil
9/28/2017 2:32:31 PM



#71

Anthracene

Concen: 2.235 ng

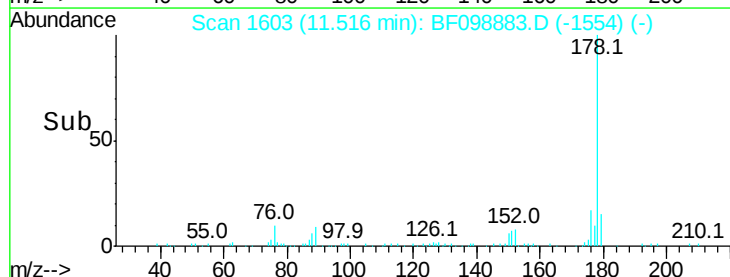
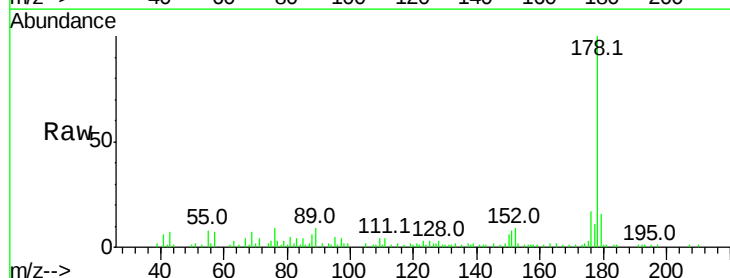
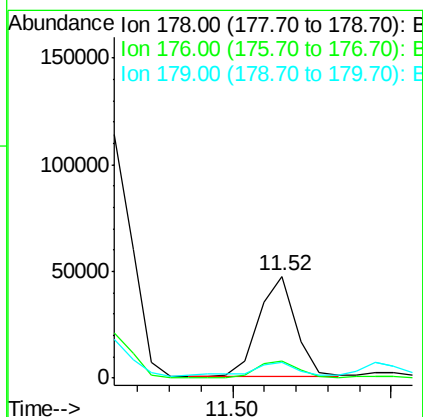
RT: 11.52 min Scan# 1603

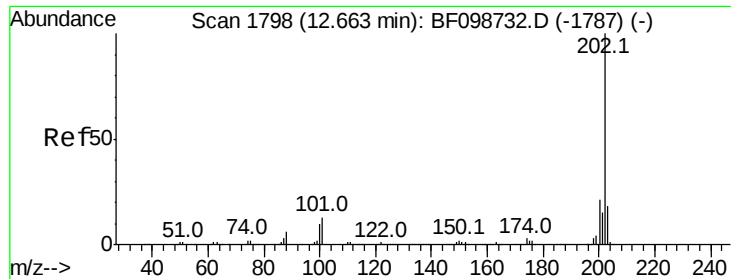
Delta R.T. -0.01 min

Lab File: BF098883.D

Acq: 28 Sep 2017 00:48

Tgt Ion:	178	Resp:	38451
Ion Ratio	Lower	Upper	
178	100		
176	17.3	15.4	23.2
179	15.6	12.6	19.0





#74

Fluoranthene

Concen: 11.168 ng

RT: 12.65 min Scan# 1796

Delta R.T. -0.01 min

Lab File: BF098883.D

Acq: 28 Sep 2017 00:48

Instrument :

BNA_F

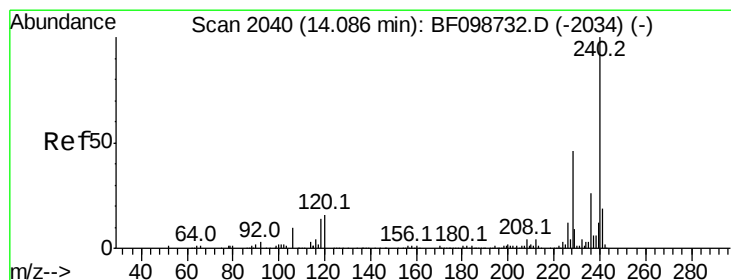
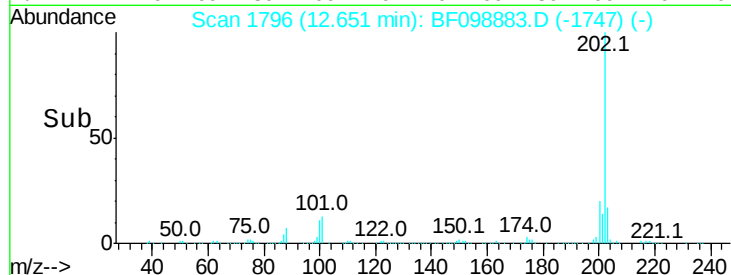
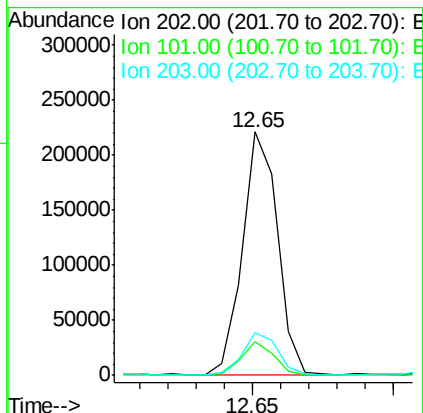
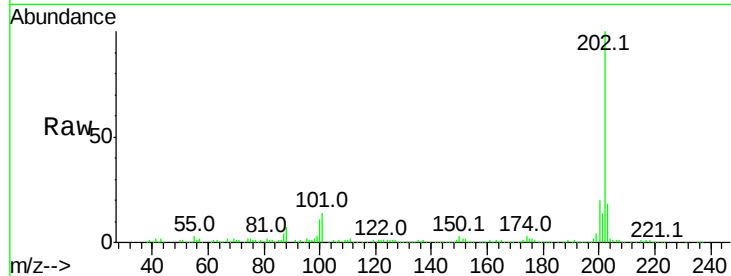
ClientSampleId :

ROLL-OFF1

Tot Ion:	202	Resp:	190167
Ion Ratio	Lower	Upper	
202	100		
101	13.6	0.0	34.1
203	17.6	0.0	38.1

Manual Integrations
APPROVED

Sohil
9/28/2017 2:32:31 PM



#75

Chrysene-d12

Concen: 20.000 ng

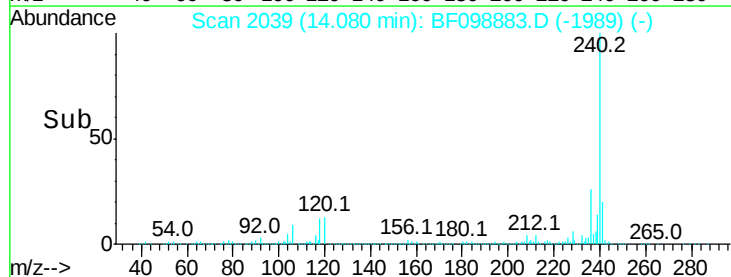
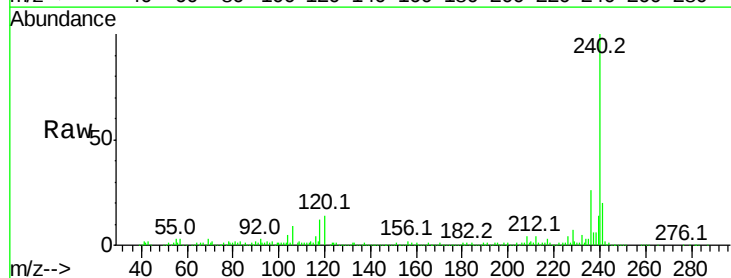
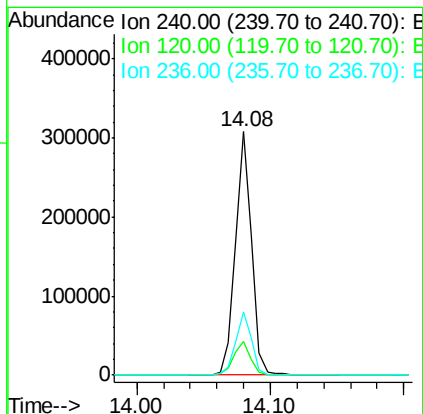
RT: 14.08 min Scan# 2039

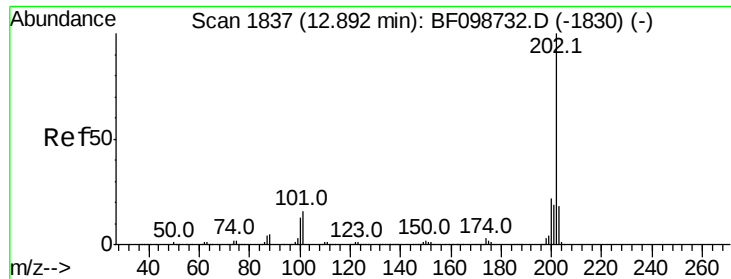
Delta R.T. -0.01 min

Lab File: BF098883.D

Acq: 28 Sep 2017 00:48

Tgt Ion:	240	Resp:	262841
Ion Ratio	Lower	Upper	
240	100		
120	13.7	9.5	14.3
236	25.8	20.7	31.1





#77

Pvrene

Concen: 9.045 ng

RT: 12.88 min Scan# 1835

Delta R.T. -0.01 min

Lab File: BF098883.D

Acq: 28 Sep 2017 00:48

Instrument :

BNA_F

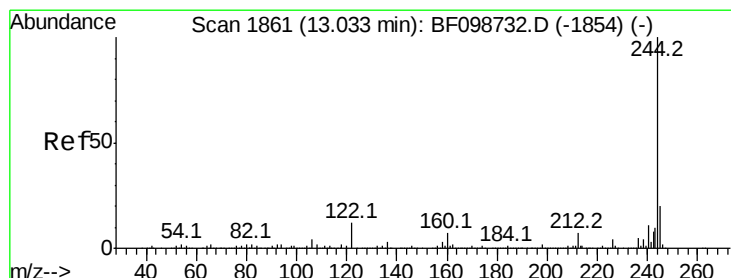
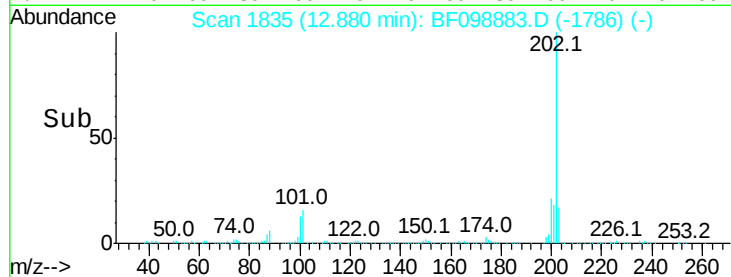
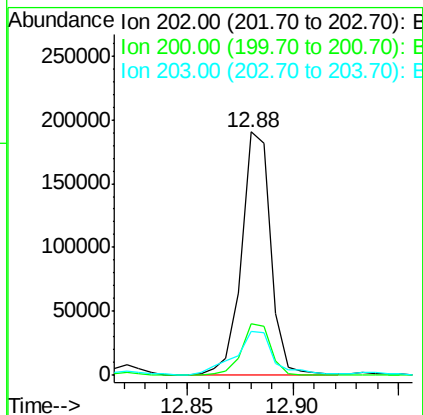
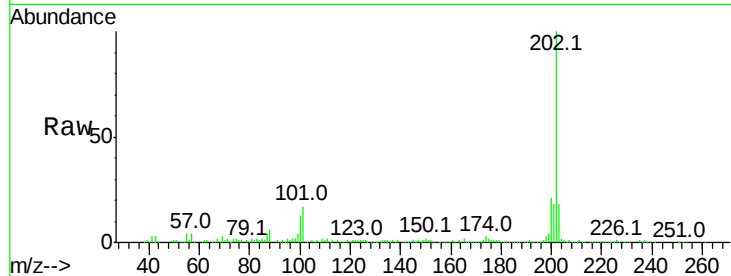
ClientSampled :

ROLL-OFF1

Tot Ion:	202	Resp:	181285
Ion Ratio		Lower	Upper
202	100		
200	21.1	17.4	26.2
203	18.2	14.3	21.5

Manual Integrations
APPROVED

Sohil
9/28/2017 2:32:31 PM



#78

Terphenyl-d14

Concen: 57.757 ng

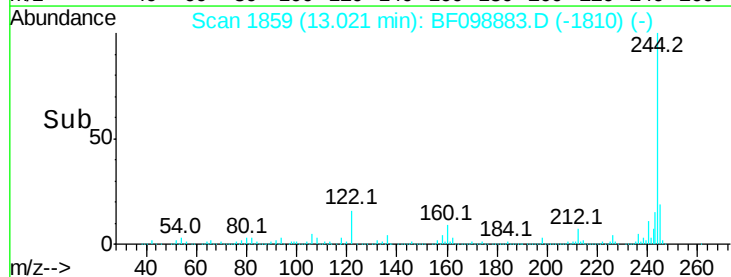
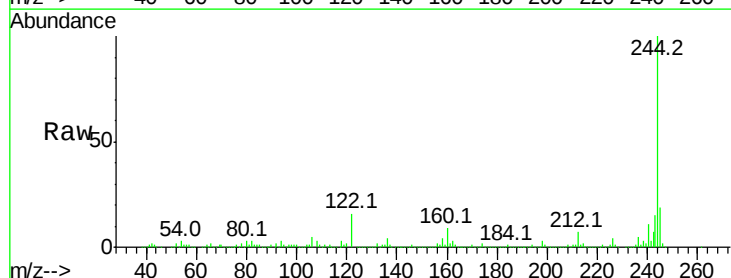
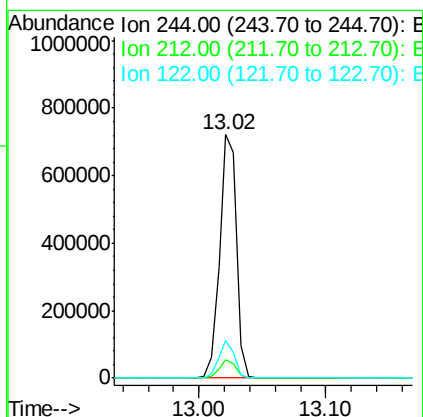
RT: 13.02 min Scan# 1859

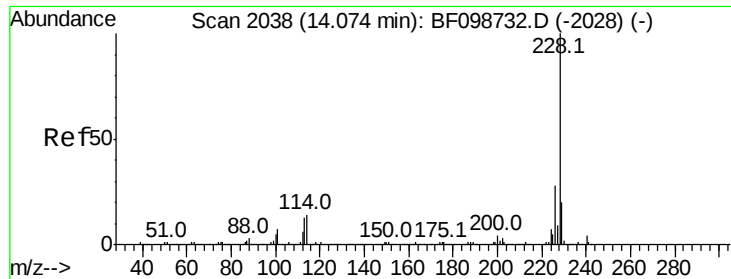
Delta R.T. -0.01 min

Lab File: BF098883.D

Acq: 28 Sep 2017 00:48

Tgt Ion:	244	Resp:	667523
Ion Ratio		Lower	Upper
244	100		
212	7.4	5.4	8.0
122	15.6	11.0	16.4





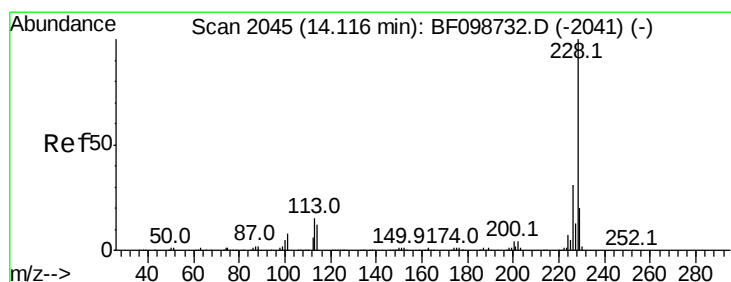
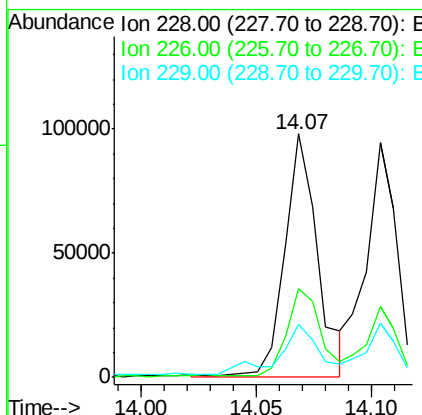
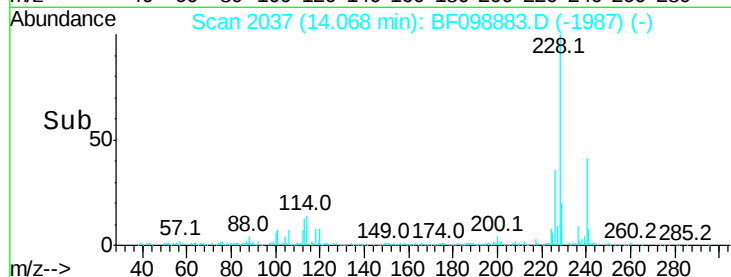
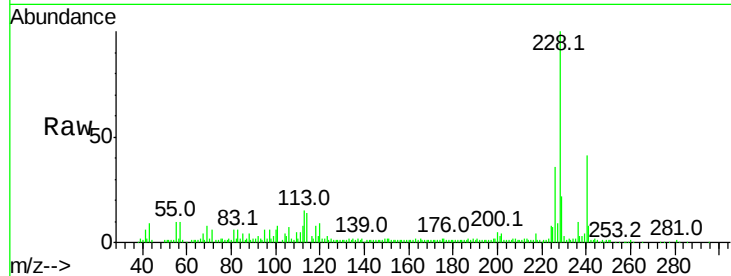
#80
Benzo(a)anthracene
Concen: 6.155 ng m
RT: 14.07 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BF098883.D
Acq: 28 Sep 2017 00:48

Instrument :
BNA_F
ClientSampled :
ROLL-OFF1

Tot Ion	Ratio	Lower	Upper
228	100		
226	36.4	22.6	33.8#
229	21.7	15.8	23.6

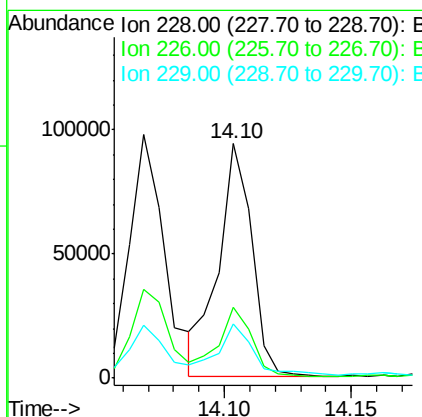
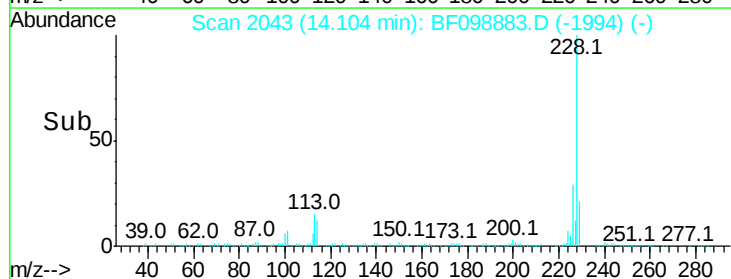
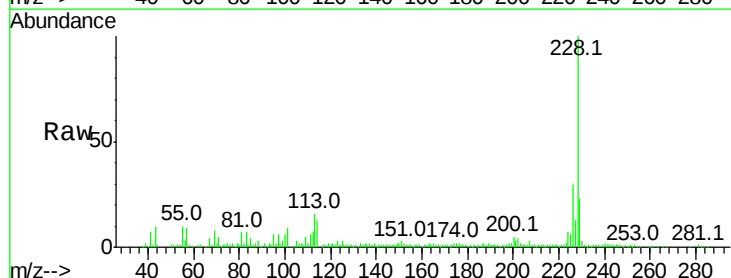
Manual Integrations
APPROVED

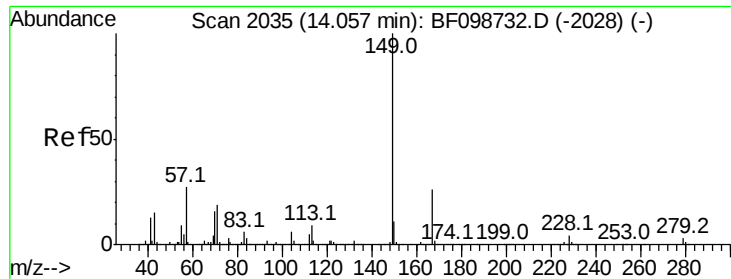
Sohil
9/28/2017 2:32:31 PM



#82
Chrysene
Concen: 5.730 ng
RT: 14.10 min Scan# 2043
Delta R.T. -0.01 min
Lab File: BF098883.D
Acq: 28 Sep 2017 00:48

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	25.0	37.6
229	23.0	16.2	24.4





#83

Bis(2-ethylhexyl)phthalate

Concen: 5.099 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.01 min

Lab File: BF098883.D

Acq: 28 Sep 2017 00:48

Instrument :

BNA_F

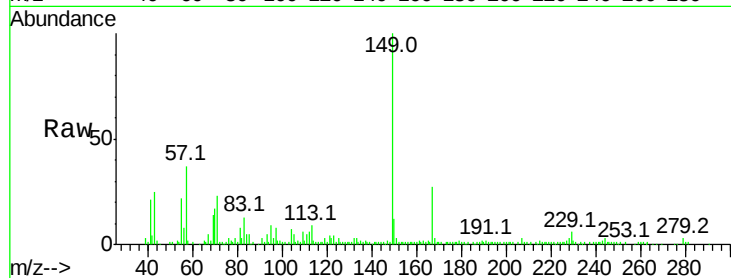
ClientSampleId :

ROLL-OFF1

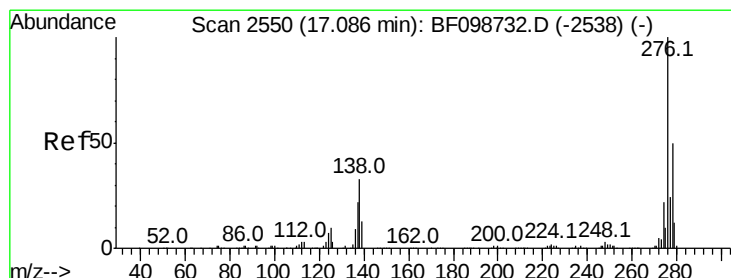
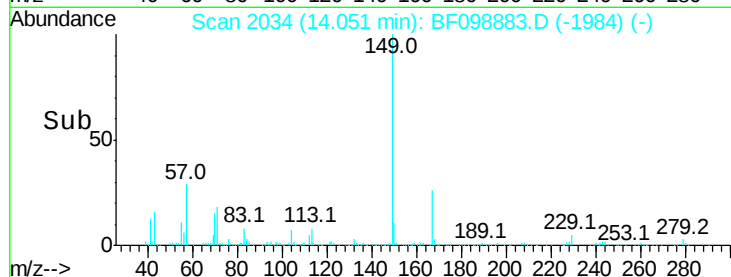
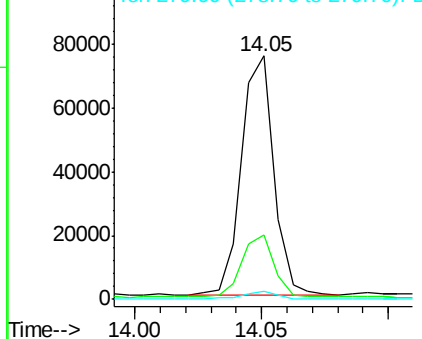
Tot Ion:	149	Resp:	66136
Ion Ratio	Lower	Upper	
149	100		
167	26.5	21.3	31.9
279	3.4	3.0	4.4

Manual Integrations
APPROVED

Sohil
9/28/2017 2:32:31 PM



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.161 ng

RT: 17.07 min Scan# 2548

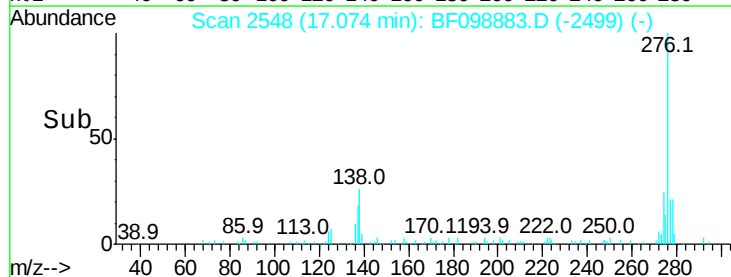
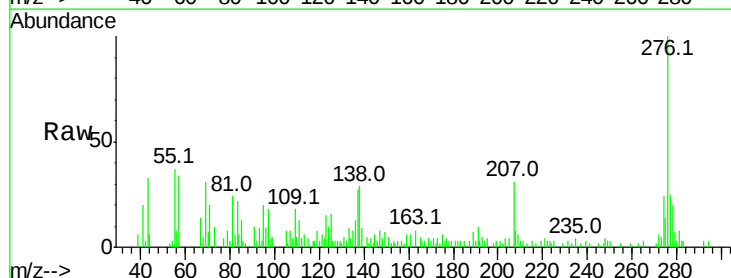
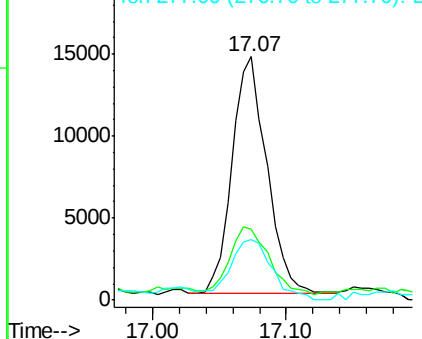
Delta R.T. -0.01 min

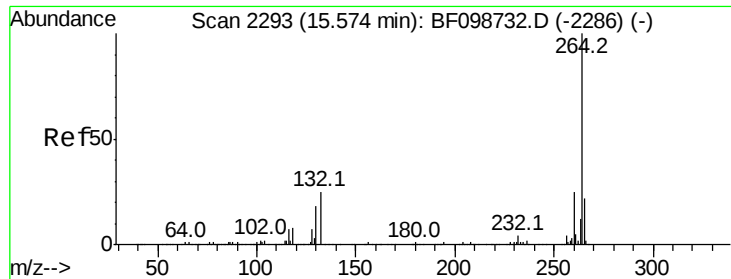
Lab File: BF098883.D

Acq: 28 Sep 2017 00:48

Tgt Ion:	276	Resp:	26194
Ion Ratio	Lower	Upper	
276	100		
138	31.8	25.0	37.6
277	31.7	20.1	30.1#

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





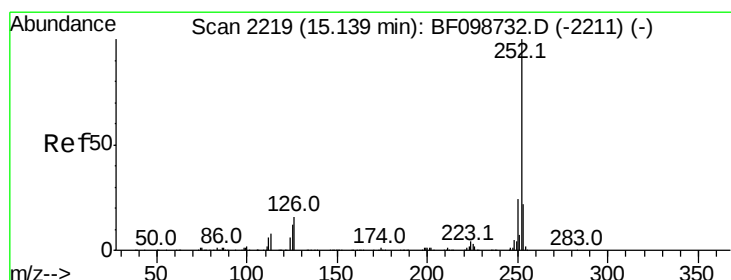
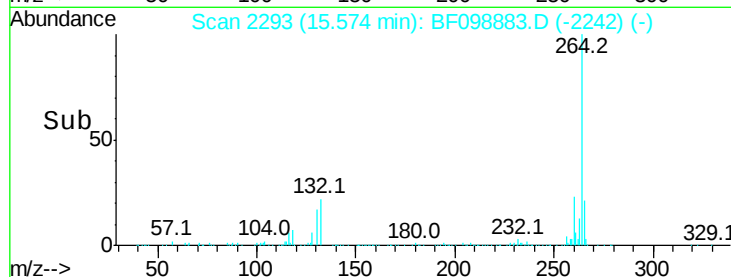
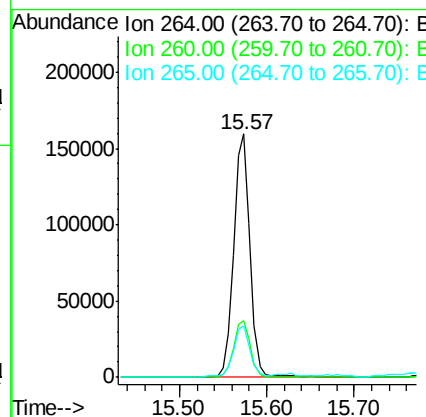
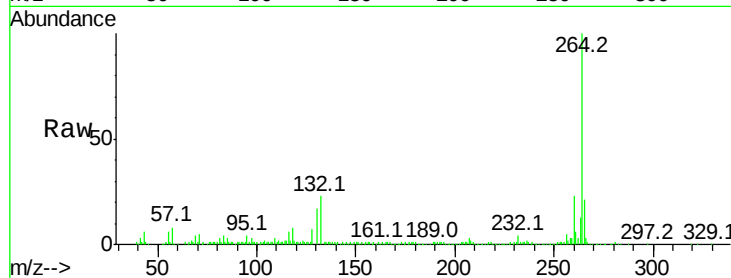
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2293
Delta R.T. -0.00 min
Lab File: BF098883.D
Acq: 28 Sep 2017 00:48

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF1

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	21.0	17.5	26.3

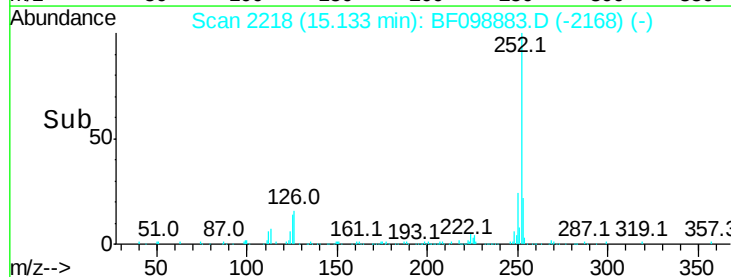
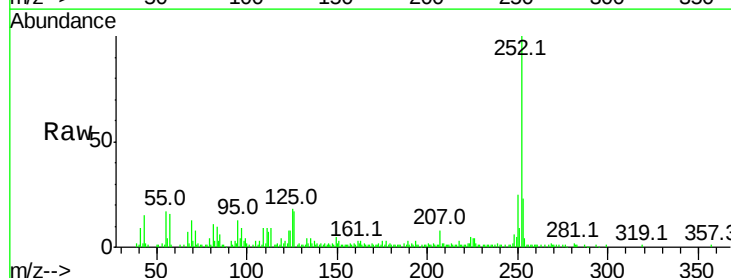
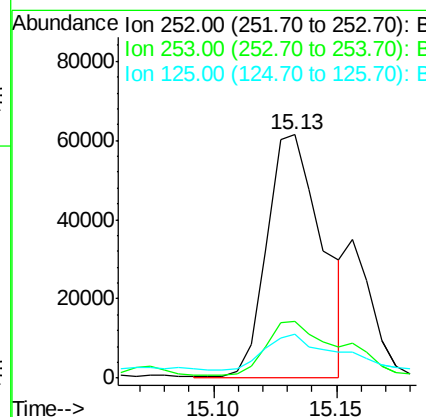
Manual Integrations
APPROVED

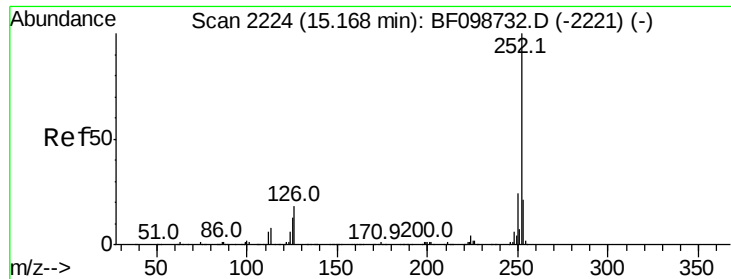
Sohil
9/28/2017 2:32:31 PM



#87
Benzo(b)fluoranthene
Concen: 7.742 ng m
RT: 15.13 min Scan# 2218
Delta R.T. -0.01 min
Lab File: BF098883.D
Acq: 28 Sep 2017 00:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.0	25.6
125	17.8	9.0	13.6





#88

Benzo(k)fluoranthene

Concen: 2.072 ng/mL

RT: 15.16 min Scan# 2222

Delta R.T. -0.01 min

Lab File: BF098883.D

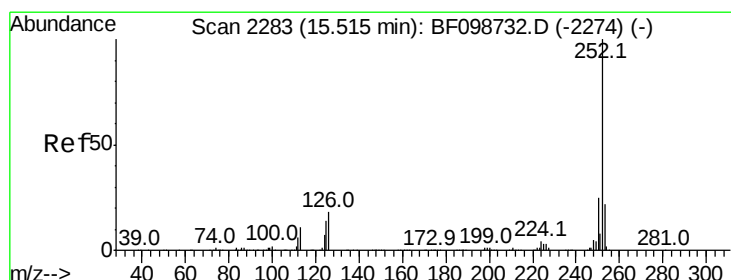
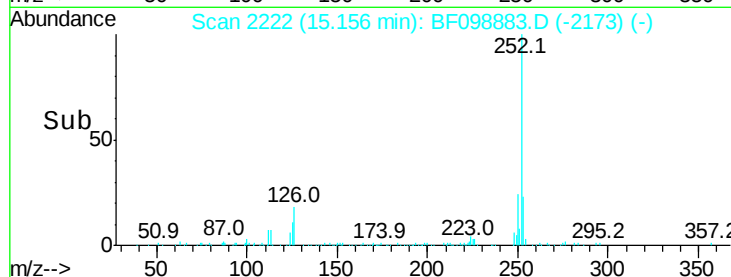
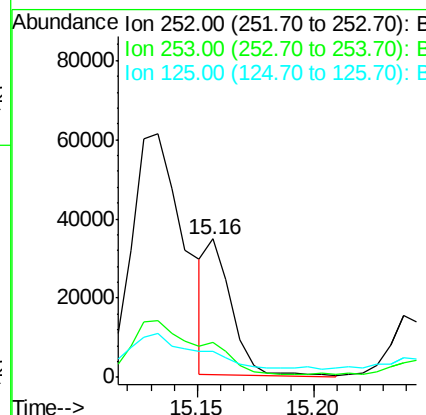
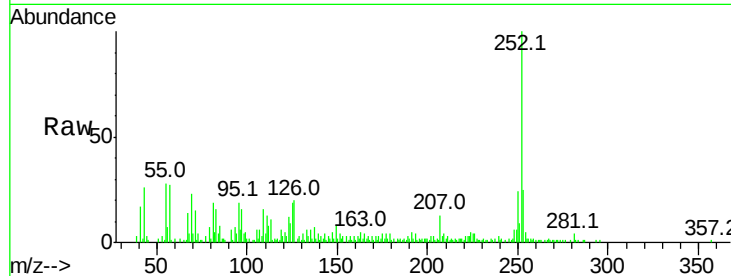
Acq: 28 Sep 2017 00:48

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF1

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.9	26.9
125	18.9	10.2	15.2

Manual Integrations
APPROVED

Sohil
9/28/2017 2:32:31 PM



#89

Benzo(a)pyrene

Concen: 5.400 ng/mL

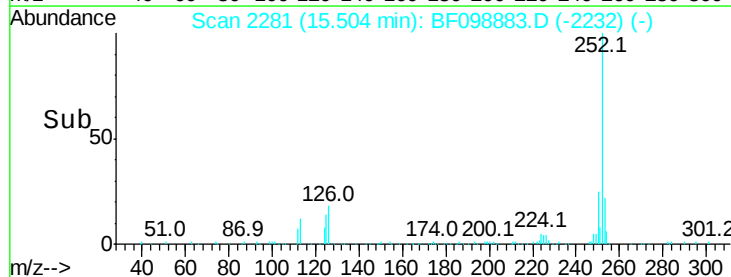
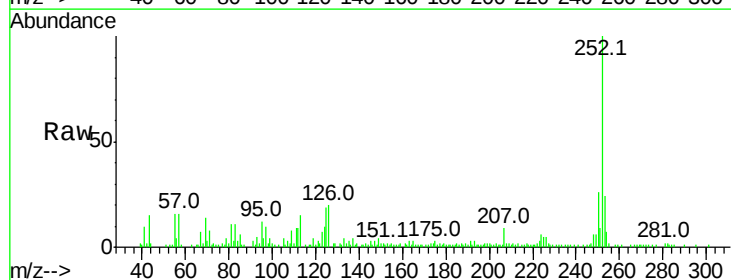
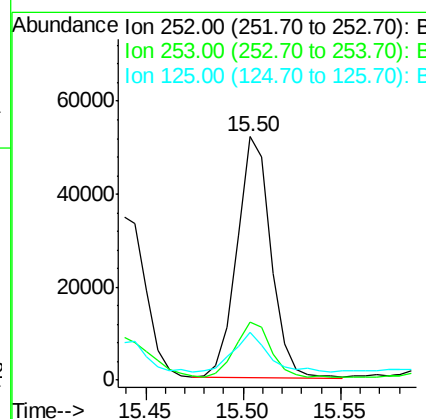
RT: 15.50 min Scan# 2281

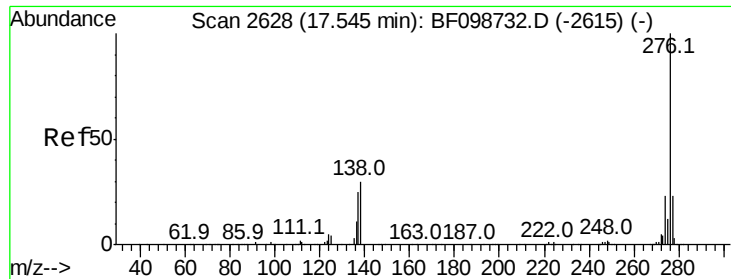
Delta R.T. -0.01 min

Lab File: BF098883.D

Acq: 28 Sep 2017 00:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.1	25.7
125	19.4	9.8	14.6





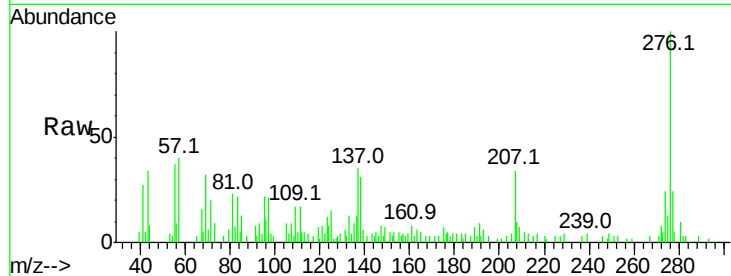
#91
 Benzo(a,h,i)perylene
 Concen: 3.140 ng
 RT: 17.53 min Scan# 2626
 Delta R.T. -0.01 min
 Lab File: BF098883.D
 Acq: 28 Sep 2017 00:48

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF1

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.7	17.9	26.9
138	31.4	21.8	32.8

Manual Integrations
 APPROVED

Sohil
 9/28/2017 2:32:31 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

