

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF091417\
 Data File : BF098546.D
 Acq On : 14 Sep 2017 23:46
 Operator : SJ/JU
 Sample : I5161-15
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RL-12-13-26

Manual Integrations
 APPROVED

Sohil
 9/15/2017 5:44:24 PM

Quant Time: Sep 15 06:56:52 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 02:14:50 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	137415	20.00	ng	-0.02
21) Naphthalene-d8	7.93	136	554917	20.00	ng	-0.02
38) Acenaphthene-d10	9.68	164	231668	20.00	ng	-0.02
63) Phenanthrene-d10	11.16	188	342463	20.00	ng	-0.02
75) Chrysene-d12	13.79	240	265432	20.00	ng	-0.02
86) Perylene-d12	15.19	264	298800	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	989636	106.48	ng	-0.02
7) Phenol-d6	6.30	99	1191053	100.93	ng	-0.02
23) Nitrobenzene-d5	7.22	82	679730	68.29	ng	-0.02
41) 2,4,6-Tribromophenol	10.47	330	155795	100.76	ng	-0.02
44) 2-Fluorobiphenyl	9.01	172	894405	65.44	ng	-0.02
78) Terphenyl-d14	12.74	244	502287	40.85	ng	-0.02
Target Compounds						
10) Phenol	6.31	94	33013	2.409	ng	Qvalue # 45
20) 3+4-Methylphenols	7.09	107	65371	6.216	ng	# 57
31) Naphthalene	7.95	128	69913	2.549	ng	96
49) Dimethylphthalate	9.40	163	166458	9.282	ng	98
70) Phenanthrene	11.19	178	49412	2.722	ng	98
74) Fluoranthene	12.37	202	70796	3.895	ng	99
77) Pyrene	12.60	202	67637	3.230	ng	99
80) Benzo(a)anthracene	13.78	228	41163	2.645	ng	99
82) Chrysene	13.82	228	39709m	2.524	ng	
85) Indeno(1,2,3-cd)pyrene	16.53	276	23006	2.085	ng	93
87) Benzo(b)fluoranthene	14.80	252	54215m	2.886	ng	
89) Benzo(a)pyrene	15.13	252	43782	2.616	ng	# 92

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

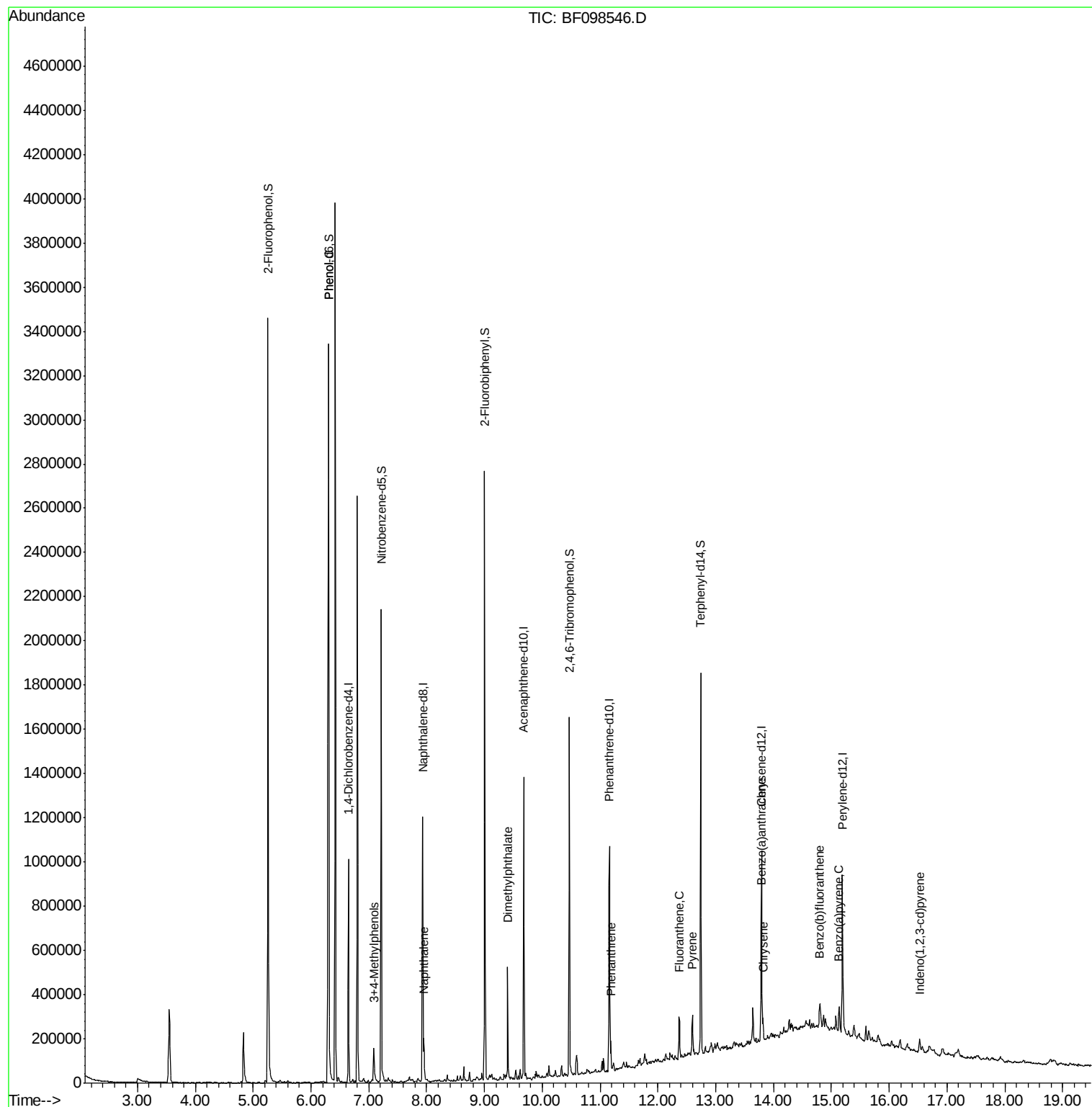
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF091417\
Data File : BF098546.D
Acq On : 14 Sep 2017 23:46
Operator : SJ/JU
Sample : I5161-15
Misc :
ALS Vial : 16 Sample Multiplier: 1

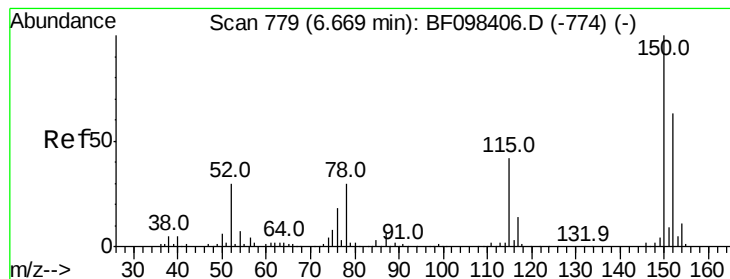
Instrument :
BNA_F
ClientSampleId :
RL-12-13-26

Manual Integrations
APPROVED

Sohil
9/15/2017 5:44:24 PM

Quant Time: Sep 15 06:56:52 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 12 02:14:50 2017
Response via : Initial Calibration





#1

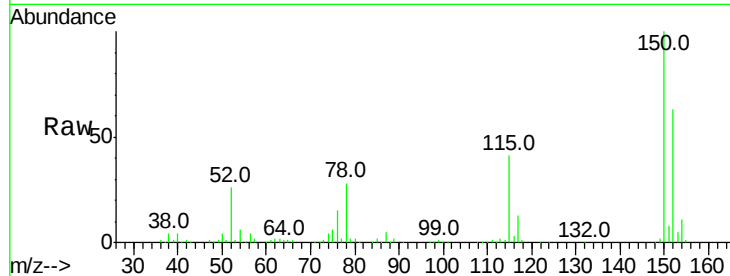
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.65 min Scan# 775
Delta R.T. -0.02 min
Lab File: BF098546.D
Acq: 14 Sep 2017 23:46

Instrument :
BNA_F
ClientSampleId :
RL-12-13-26

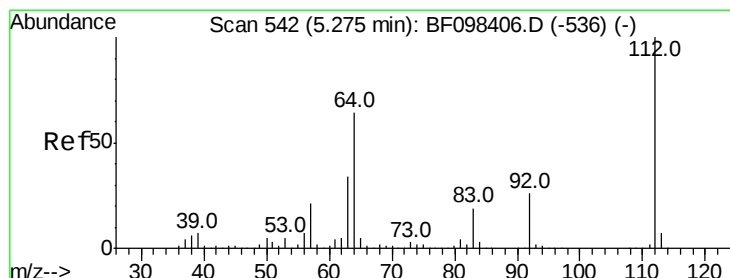
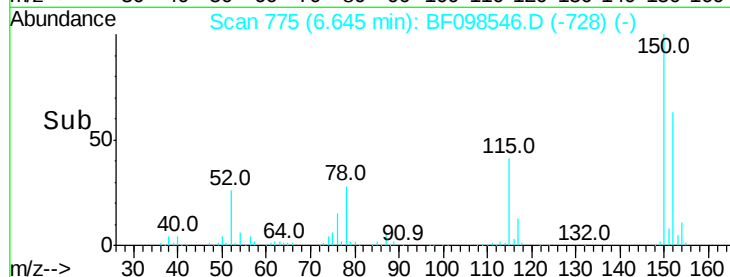
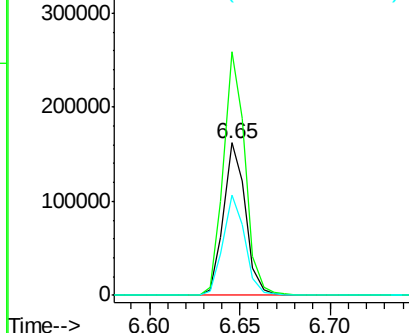
Tot Ion	Ratio	Lower	Upper
152	100		
150	159.9	126.2	189.2
115	65.7	52.2	78.2

Manual Integrations
APPROVED

Sohil
9/15/2017 5:44:24 PM



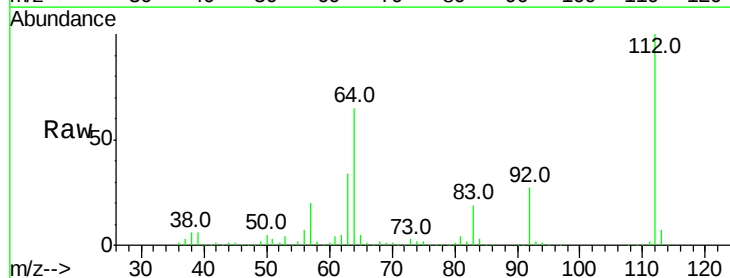
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



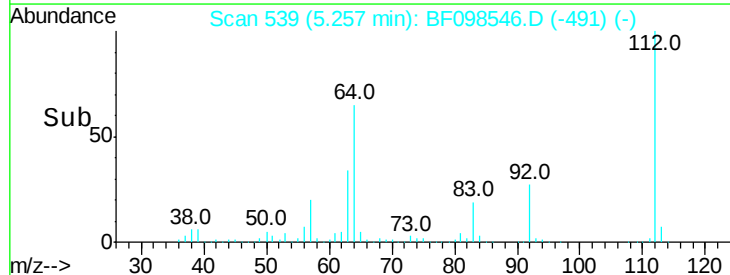
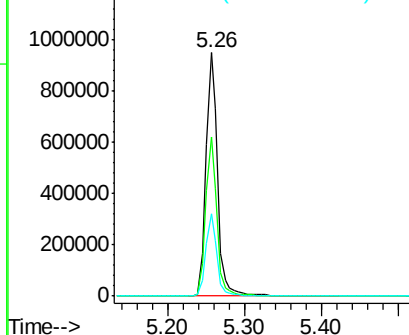
#5

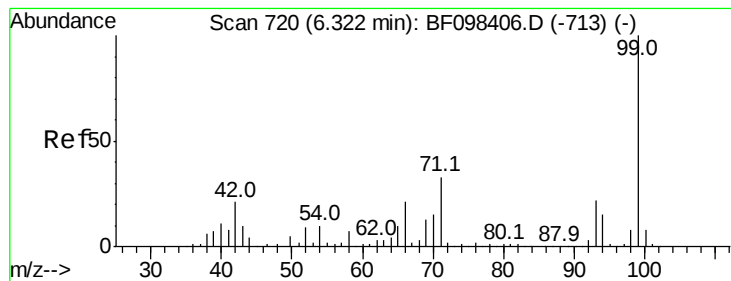
2-Fluorophenol
Concen: 106.480 ng
RT: 5.26 min Scan# 539
Delta R.T. -0.02 min
Lab File: BF098546.D
Acq: 14 Sep 2017 23:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.2	46.0	69.0
63	33.6	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: 100.934 ng

RT: 6.30 min Scan# 717

Delta R.T. -0.02 min

Lab File: BF098546.D

Acq: 14 Sep 2017 23:46

Instrument :

BNA_F

ClientSampleId :

RL-12-13-26

Tot Ion: 99 Resp: 1191053

Ion Ratio Lower Upper

99 100

42 17.8 13.5 20.3

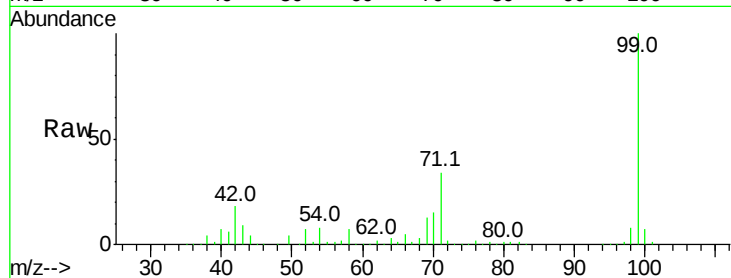
71 34.3 24.5 36.7

Manual Integrations

APPROVED

Sohil

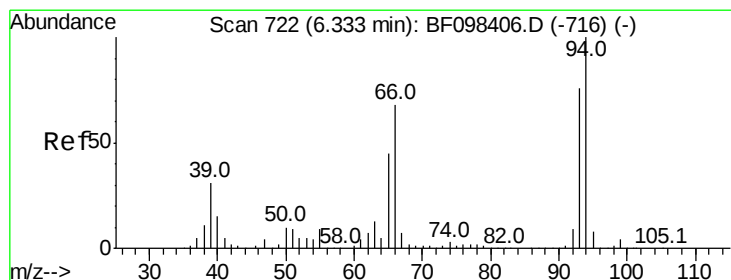
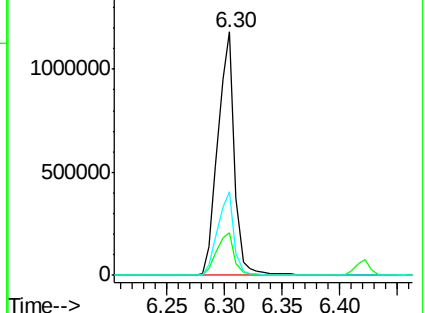
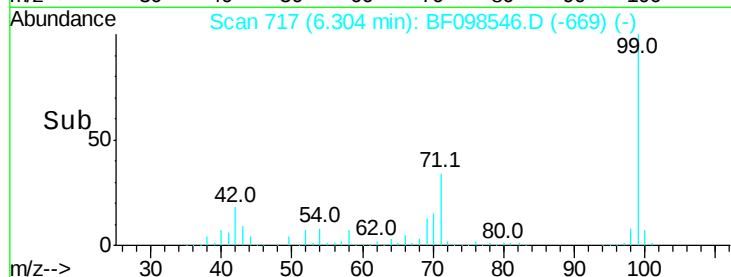
9/15/2017 5:44:24 PM



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 2.409 ng

RT: 6.31 min Scan# 718

Delta R.T. -0.02 min

Lab File: BF098546.D

Acq: 14 Sep 2017 23:46

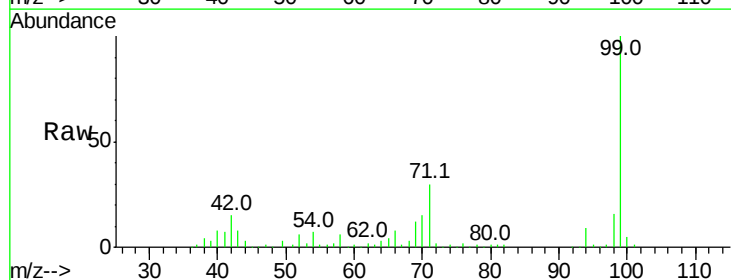
Tgt Ion: 94 Resp: 33013

Ion Ratio Lower Upper

94 100

65 42.8 9.9 49.9

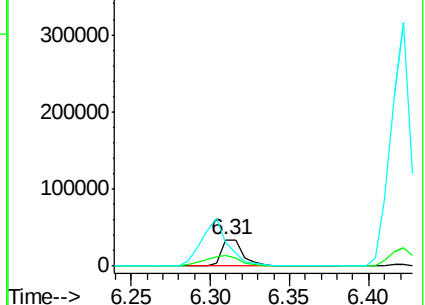
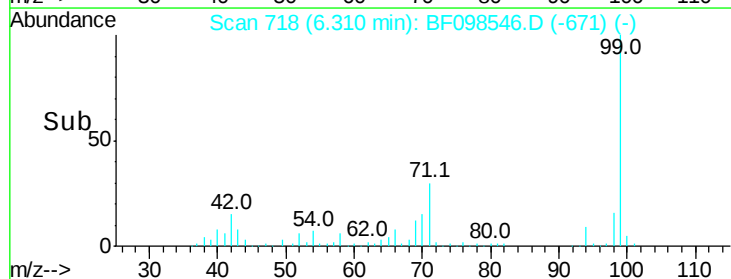
66 92.1 23.1 63.1#

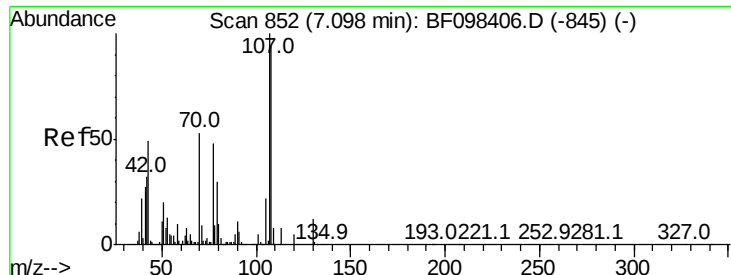


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





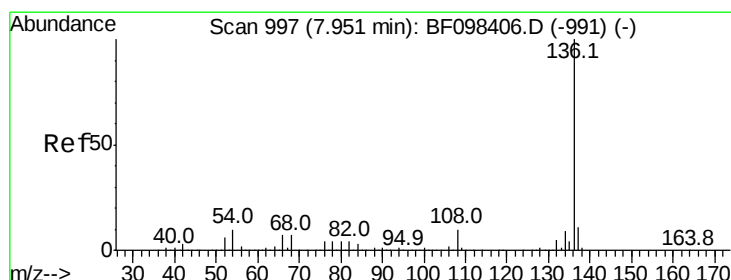
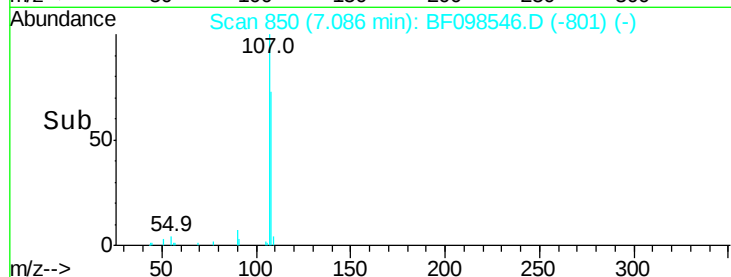
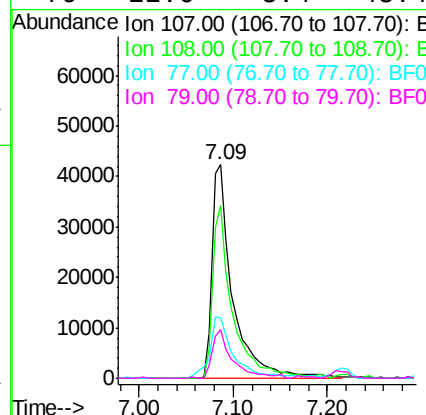
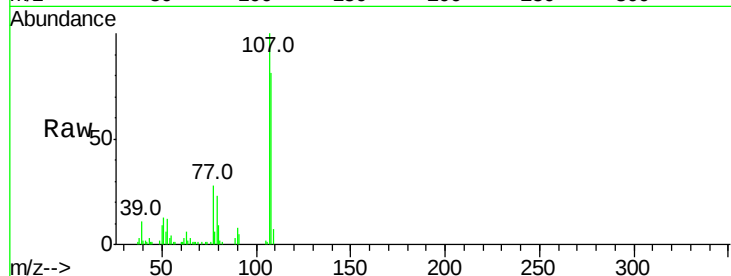
#20
3+4-Methylphenols
Concen: 6.216 ng
RT: 7.09 min Scan# 850
Delta R.T. -0.01 min
Lab File: BF098546.D
Acq: 14 Sep 2017 23:46

Instrument :
BNA_F
ClientSampleId :
RL-12-13-26

Tot Ion	Ion	Ratio	Resp	Lower	Upper
107	107	100	65371		
108	108	80.9		71.0	111.0
77	77	28.0		90.5	130.5#
79	79	22.6		8.4	48.4

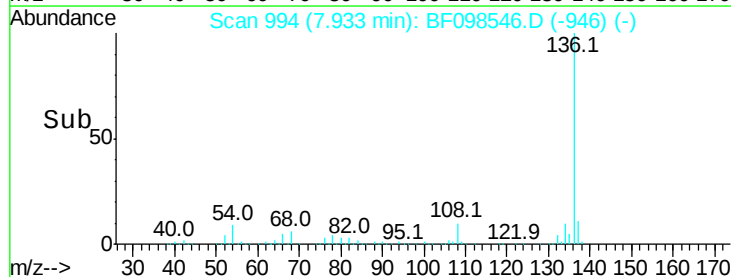
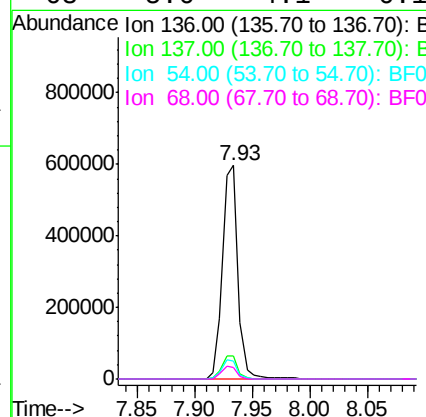
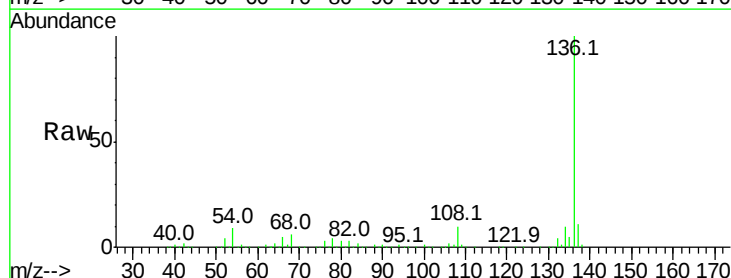
Manual Integrations
APPROVED

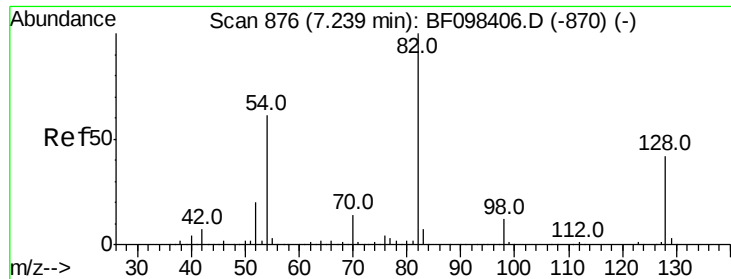
Sohil
9/15/2017 5:44:24 PM



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.93 min Scan# 994
Delta R.T. -0.02 min
Lab File: BF098546.D
Acq: 14 Sep 2017 23:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	136	100	554917		
137	137	11.0		8.5	12.7
54	54	8.7		4.9	7.3#
68	68	5.6		4.1	6.1





#23

Nitrobenzene-d5

Concen: 68.289 ng

RT: 7.22 min Scan# 872

Delta R.T. -0.02 min

Lab File: BF098546.D

Acq: 14 Sep 2017 23:46

Instrument :

BNA_F

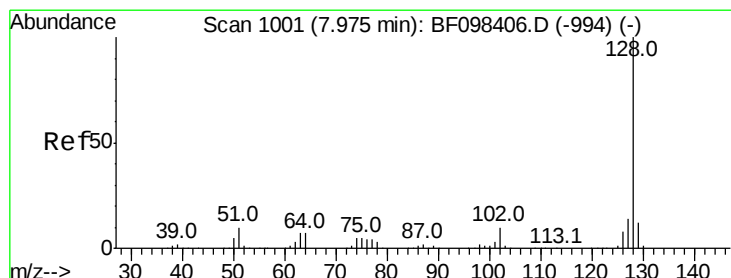
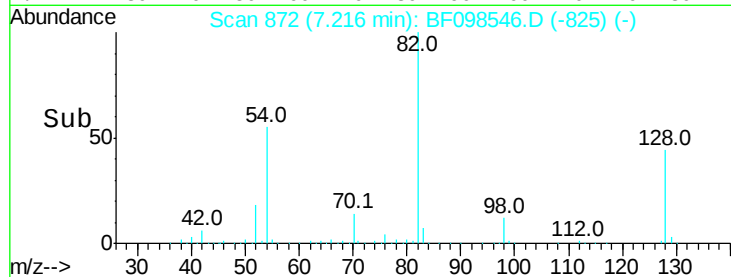
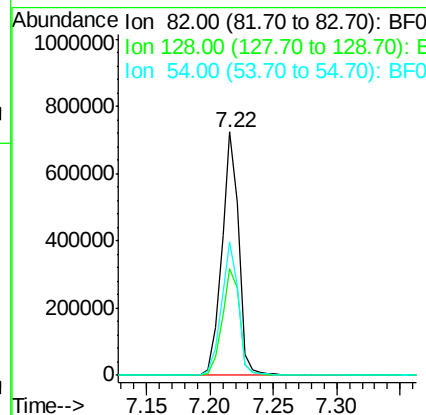
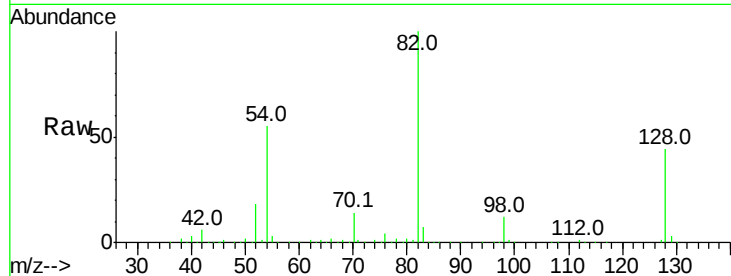
ClientSampleId :

RL-12-13-26

Tot Ion:	82	Resp:	679730
Ion Ratio	Lower	Upper	
82	100		
128	43.9	34.0	51.0
54	54.8	42.2	63.2

Manual Integrations
APPROVED

Sohil
9/15/2017 5:44:24 PM



#31

Naphthalene

Concen: 2.549 ng

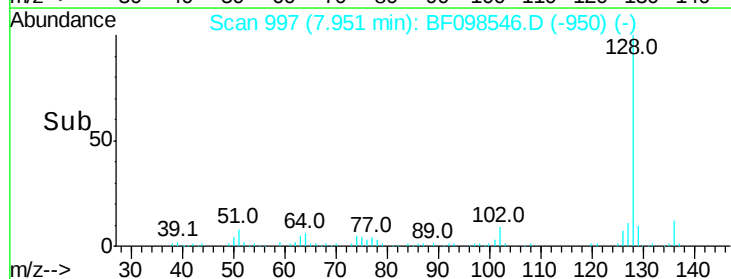
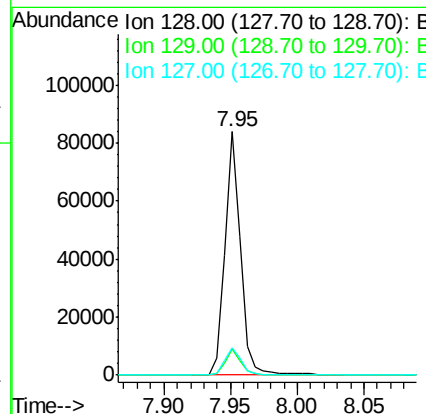
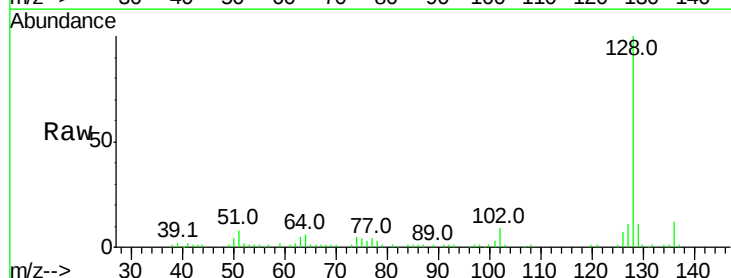
RT: 7.95 min Scan# 997

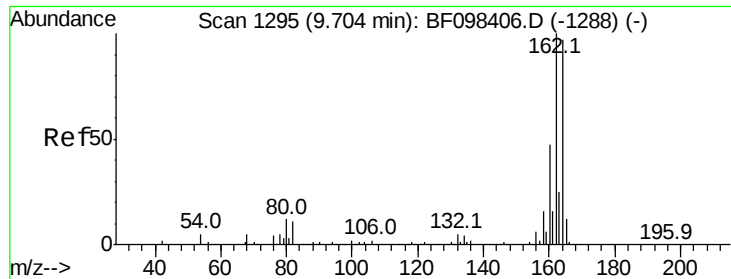
Delta R.T. -0.02 min

Lab File: BF098546.D

Acq: 14 Sep 2017 23:46

Tgt Ion:	128	Resp:	69913
Ion Ratio	Lower	Upper	
128	100		
129	10.6	9.0	13.6
127	11.1	10.8	16.2





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.68 min Scan# 1291

Delta R.T. -0.02 min

Lab File: BF098546.D

Acq: 14 Sep 2017 23:46

Instrument :

BNA_F

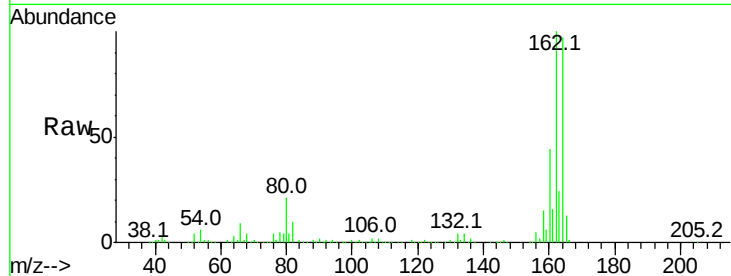
ClientSampleId :

RL-12-13-26

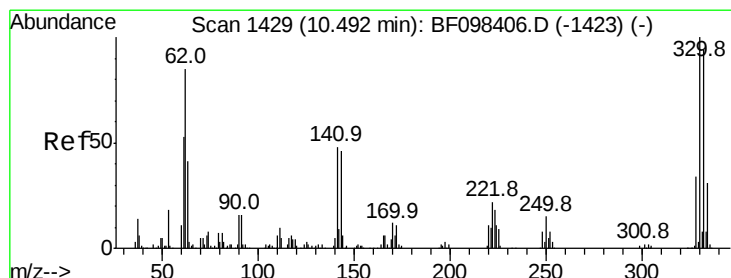
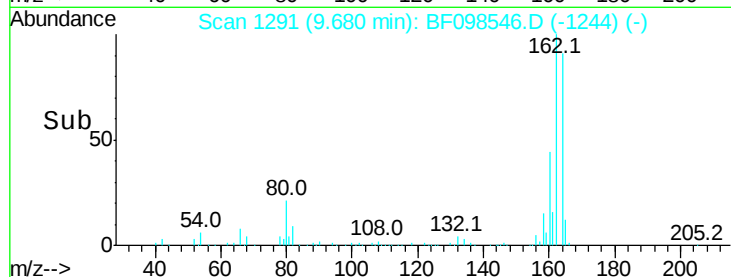
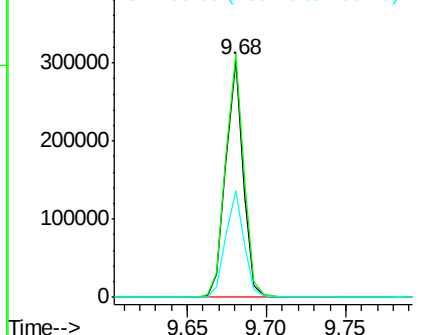
Tot Ion:	164	Resp:	231668
Ion Ratio	Lower	Upper	
164	100		
162	102.6	82.6	123.8
160	45.0	36.2	54.2

Manual Integrations
APPROVED

Sohil
9/15/2017 5:44:24 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: 100.760 ng

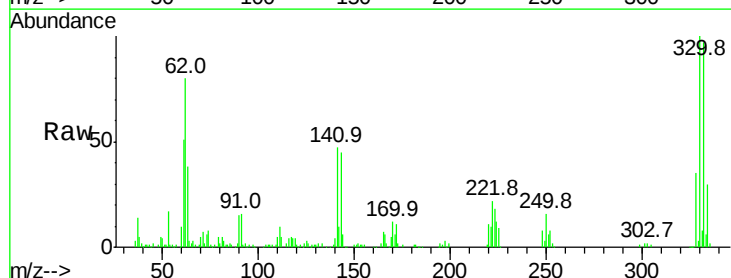
RT: 10.47 min Scan# 1425

Delta R.T. -0.02 min

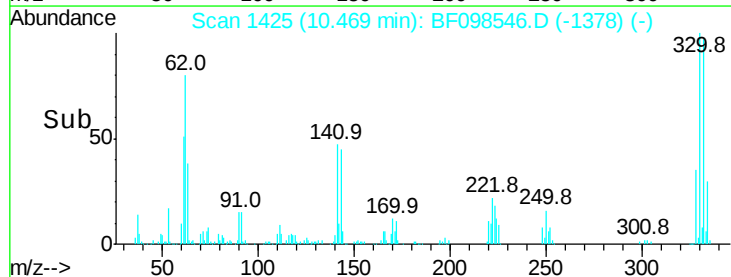
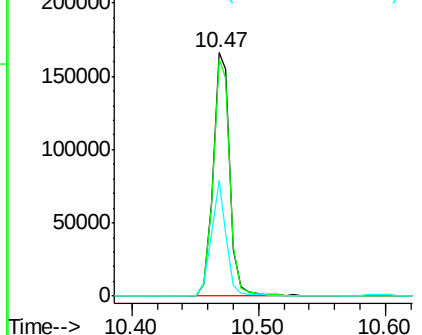
Lab File: BF098546.D

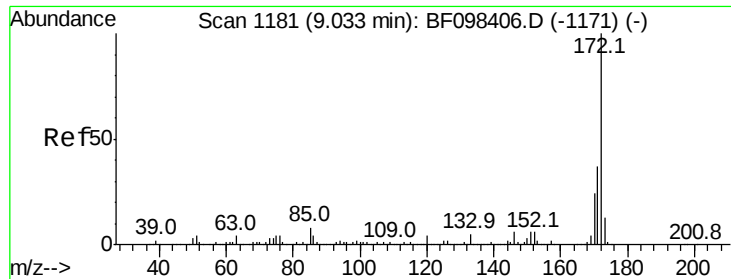
Acq: 14 Sep 2017 23:46

Tgt Ion:	330	Resp:	155795
Ion Ratio	Lower	Upper	
330	100		
332	97.8	76.6	115.0
141	43.4	31.4	47.2



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





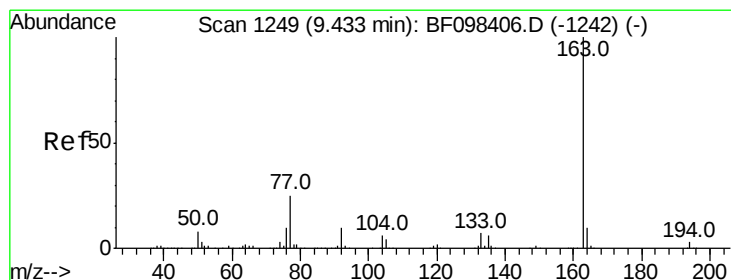
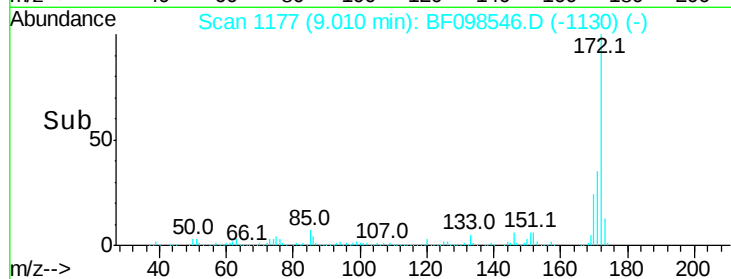
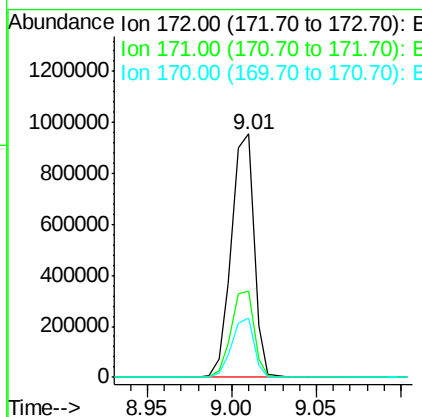
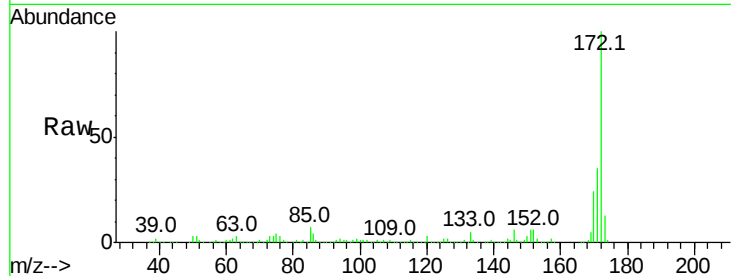
#44
2-Fluorobiphenyl
Concen: 65.436 ng
RT: 9.01 min Scan# 1177
Delta R.T. -0.02 min
Lab File: BF098546.D
Acq: 14 Sep 2017 23:46

Instrument :
BNA_F
ClientSampleId :
RL-12-13-26

Tot Ion	Ratio	Resp	Lower	Upper
172	100	894405		
171	35.4		29.6	44.4
170	24.1		19.8	29.8

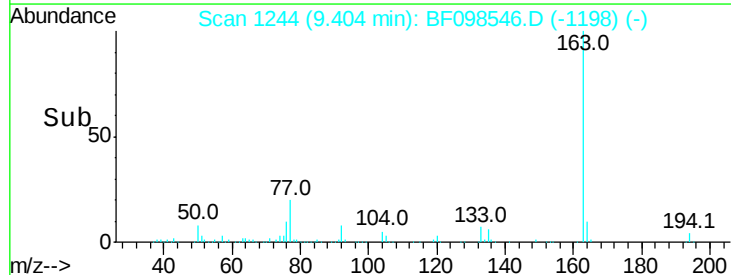
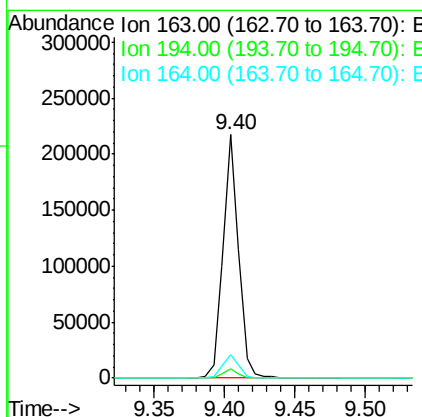
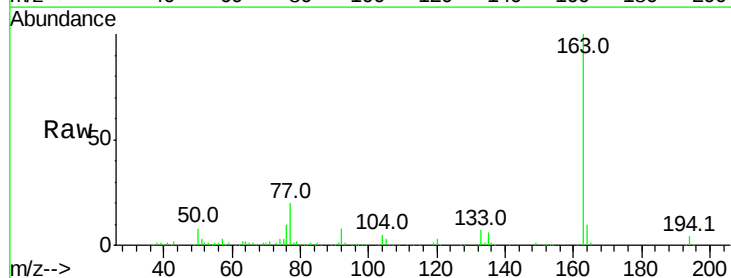
Manual Integrations
APPROVED

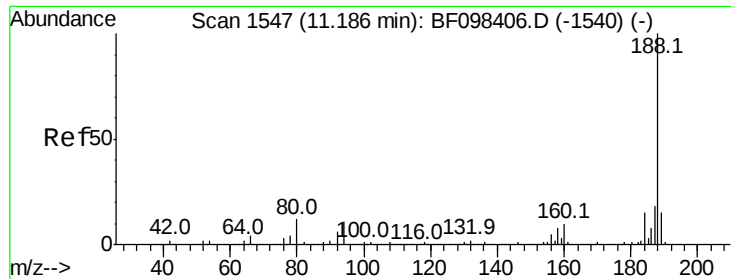
Sohil
9/15/2017 5:44:24 PM



#49
Dimethylphthalate
Concen: 9.282 ng
RT: 9.40 min Scan# 1244
Delta R.T. -0.03 min
Lab File: BF098546.D
Acq: 14 Sep 2017 23:46

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	166458		
194	3.6		2.6	4.0
164	9.7		8.4	12.6





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.16 min Scan# 1543

Delta R.T. -0.02 min

Lab File: BF098546.D

Acq: 14 Sep 2017 23:46

Instrument :

BNA_F

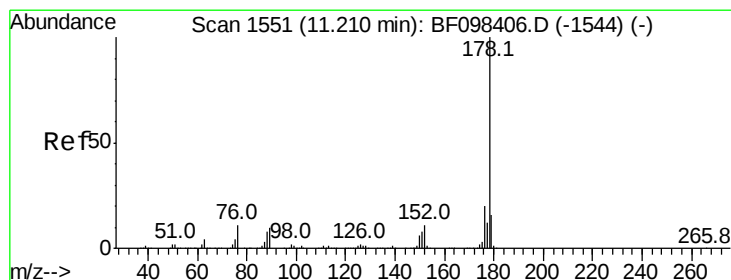
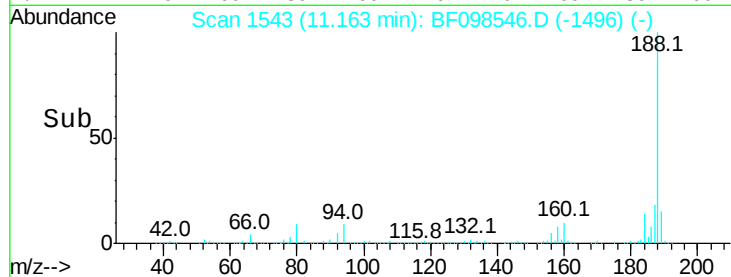
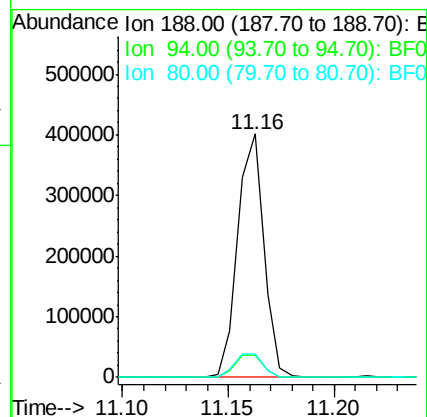
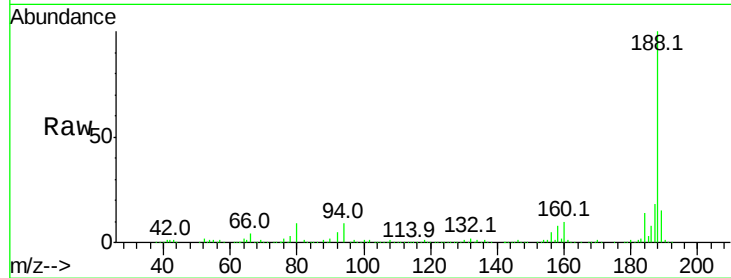
ClientSampleId :

RL-12-13-26

Tot Ion:	188	Resp:	342463
Ion Ratio	Lower	Upper	
188	100		
94	9.2	9.4	14.2#
80	9.4	10.2	15.2#

Manual Integrations
APPROVED

Sohil
9/15/2017 5:44:24 PM



#70

Phenanthrene

Concen: 2.722 ng

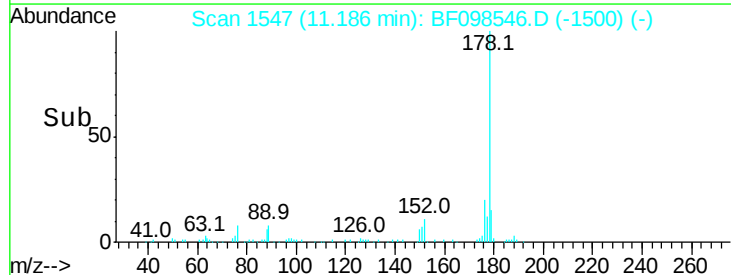
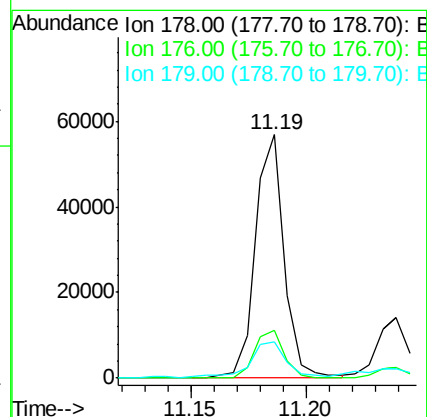
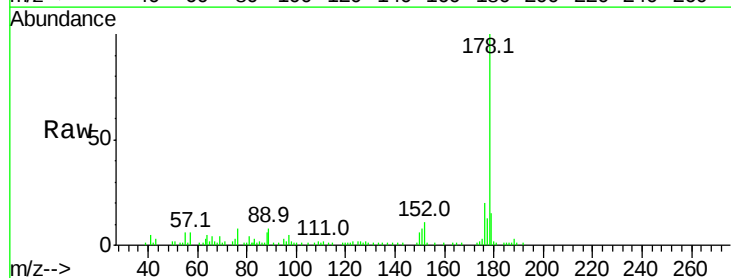
RT: 11.19 min Scan# 1547

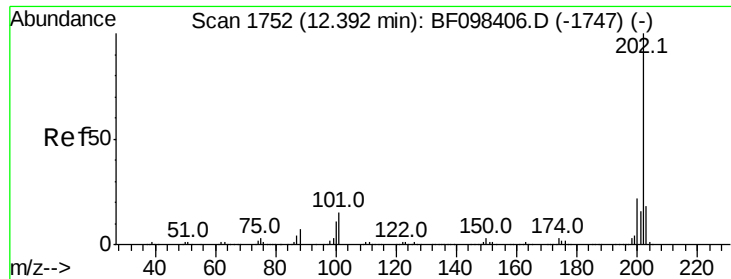
Delta R.T. -0.02 min

Lab File: BF098546.D

Acq: 14 Sep 2017 23:46

Tgt Ion:	178	Resp:	49412
Ion Ratio	Lower	Upper	
178	100		
176	19.6	16.2	24.4
179	15.1	12.6	19.0





#74

Fluoranthene

Concen: 3.895 ng

RT: 12.37 min Scan# 1748

Delta R.T. -0.02 min

Lab File: BF098546.D

Acq: 14 Sep 2017 23:46

Instrument :

BNA_F

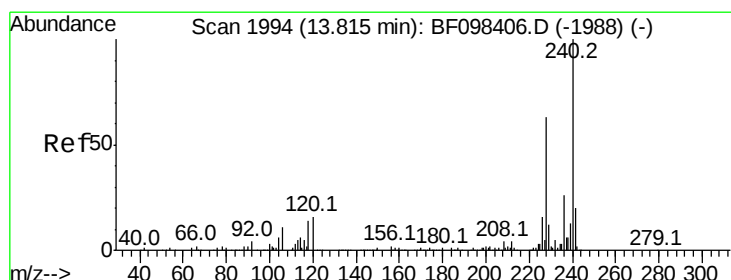
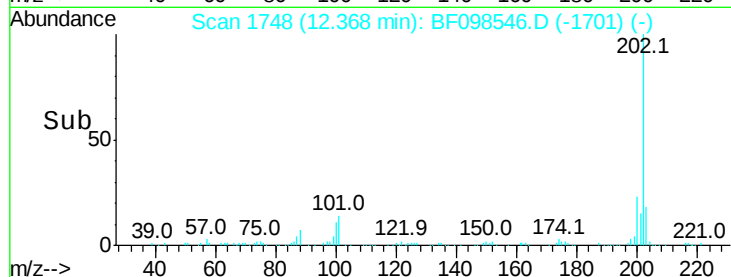
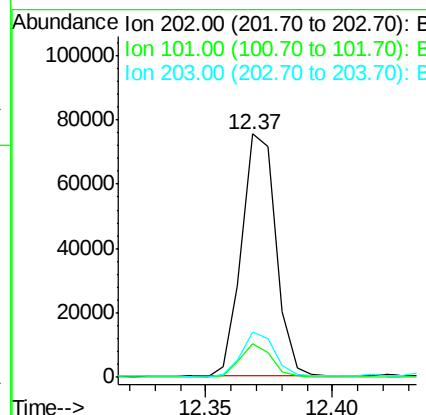
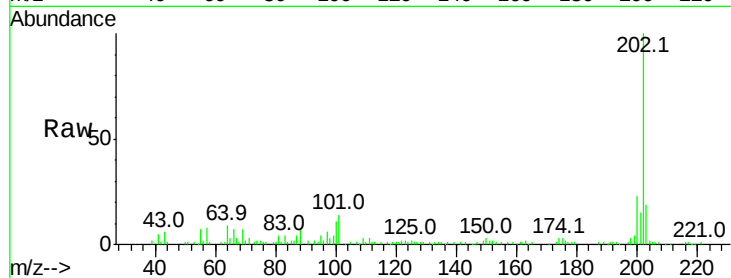
ClientSampled :

RL-12-13-26

Tot Ion:	202	Resp:	70796
Ion Ratio	Lower	Upper	
202	100		
101	13.7	0.0	33.2
203	18.6	0.0	38.1

Manual Integrations
APPROVED

Sohil
9/15/2017 5:44:24 PM



#75

Chrysene-d12

Concen: 20.000 ng

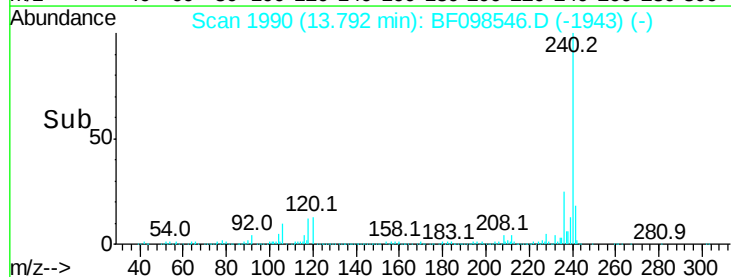
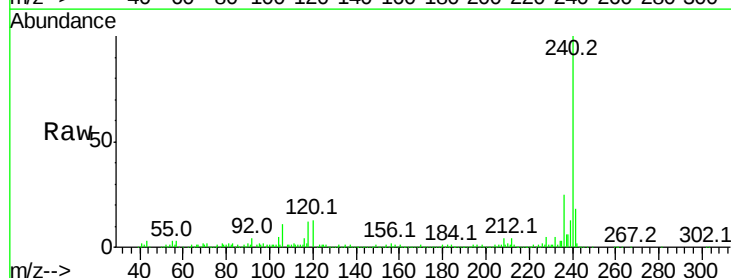
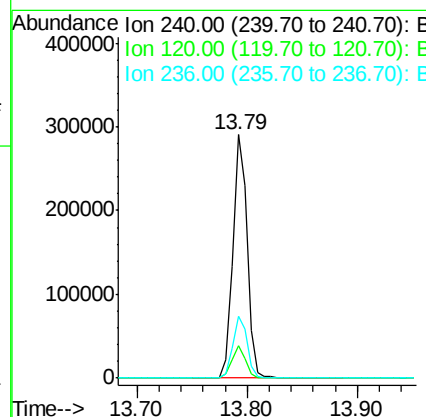
RT: 13.79 min Scan# 1990

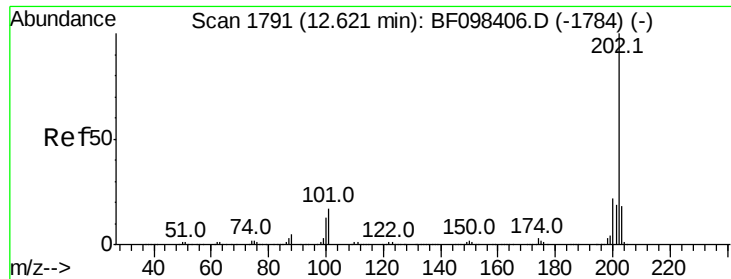
Delta R.T. -0.02 min

Lab File: BF098546.D

Acq: 14 Sep 2017 23:46

Tgt Ion:	240	Resp:	265432
Ion Ratio	Lower	Upper	
240	100		
120	13.1	5.8	8.8#
236	25.3	20.5	30.7





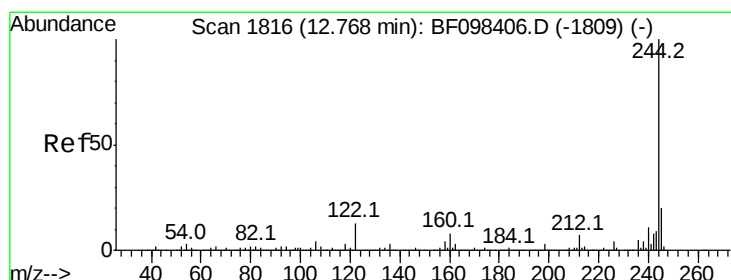
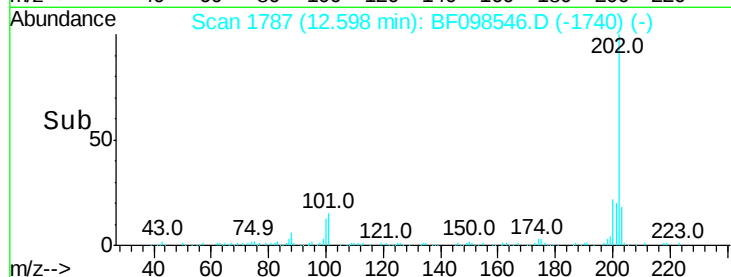
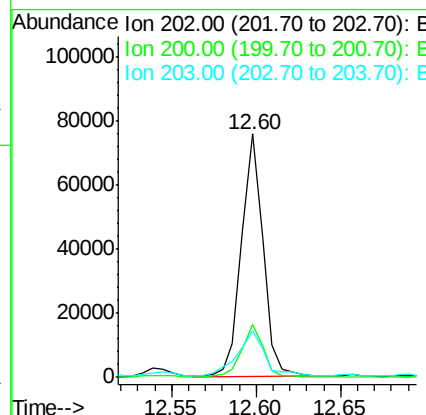
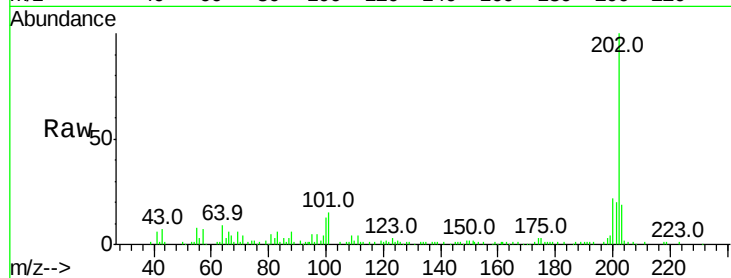
#77
Pvrene
Concen: 3.230 ng
RT: 12.60 min Scan# 1787
Delta R.T. -0.02 min
Lab File: BF098546.D
Acq: 14 Sep 2017 23:46

Instrument :
BNA_F
ClientSampled :
RL-12-13-26

Tot Ion	Ratio	Resp	Lower	Upper
202	100	67637		
200	21.8		17.6	26.4
203	19.0		14.4	21.6

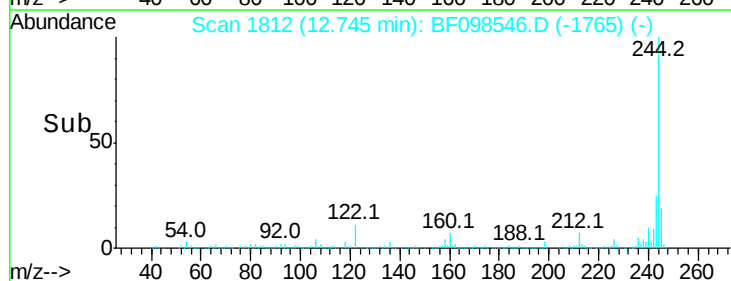
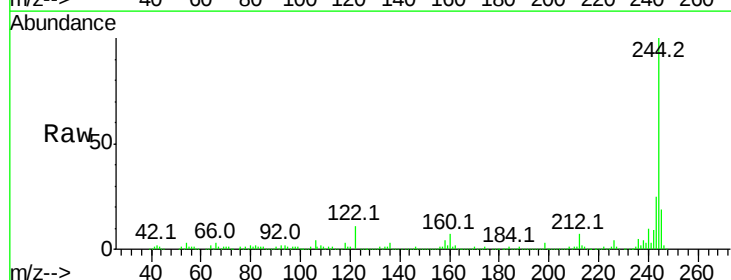
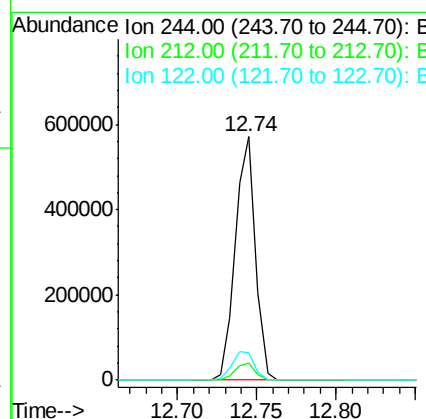
Manual Integrations
APPROVED

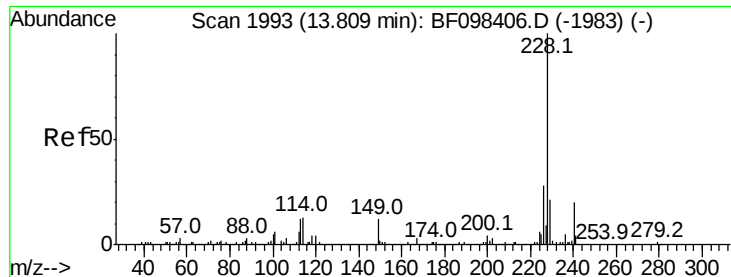
Sohil
9/15/2017 5:44:24 PM



#78
Terphenyl-d14
Concen: 40.845 ng
RT: 12.74 min Scan# 1812
Delta R.T. -0.02 min
Lab File: BF098546.D
Acq: 14 Sep 2017 23:46

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	502287		
212	7.1		6.0	9.0
122	11.2		10.3	15.5





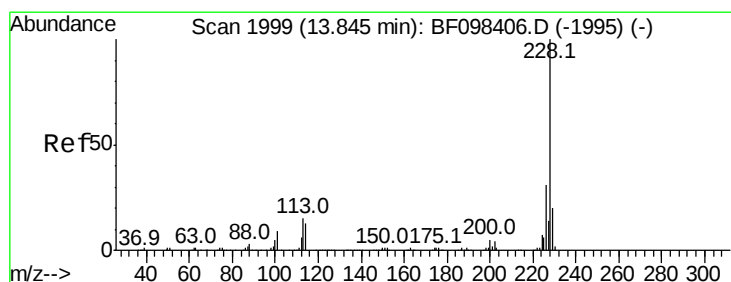
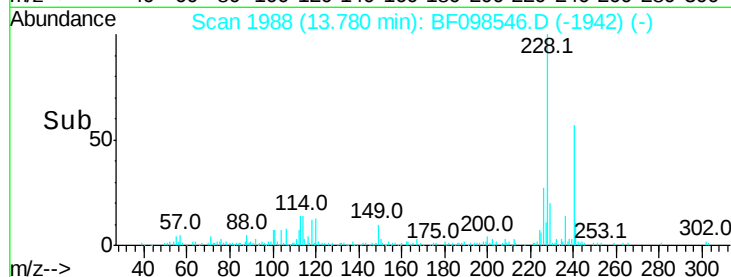
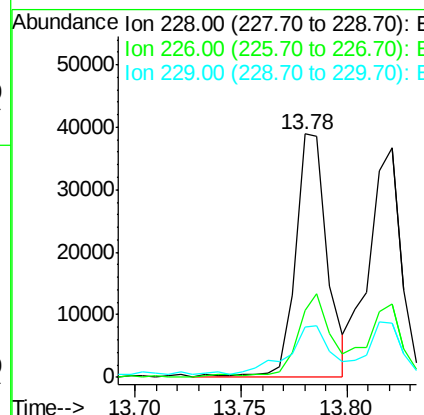
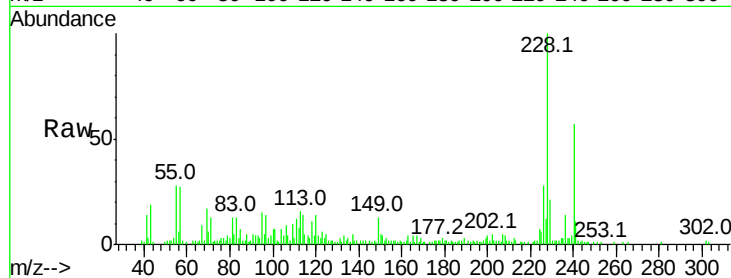
#80
Benzo(a)anthracene
Concen: 2.645 ng
RT: 13.78 min Scan# 1988
Delta R.T. -0.03 min
Lab File: BF098546.D
Acq: 14 Sep 2017 23:46

Instrument :
BNA_F
ClientSampled :
RL-12-13-26

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.5	22.6	33.8
229	20.7	16.3	24.5

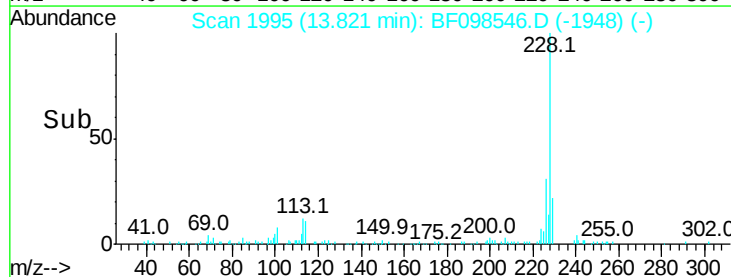
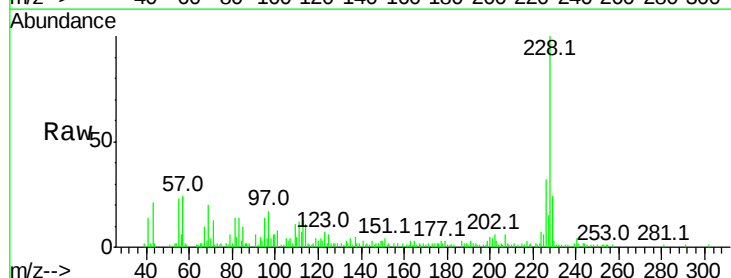
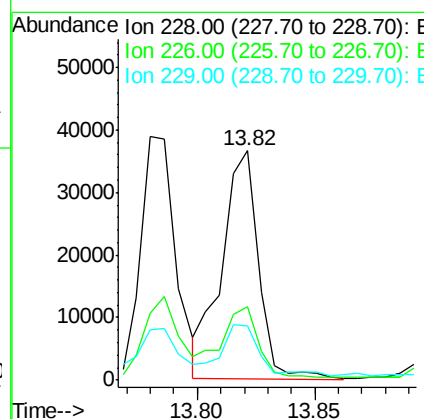
Manual Integrations
APPROVED

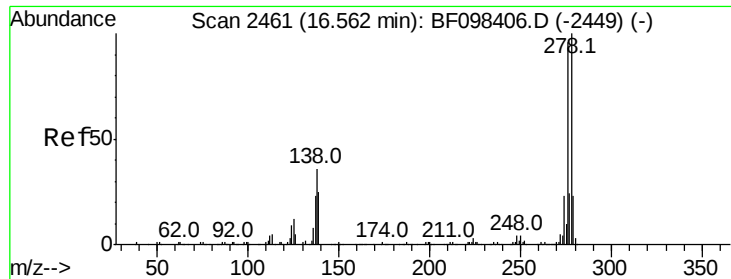
Sohil
9/15/2017 5:44:24 PM



#82
Chrysene
Concen: 2.524 ng m
RT: 13.82 min Scan# 1995
Delta R.T. -0.02 min
Lab File: BF098546.D
Acq: 14 Sep 2017 23:46

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.8	24.9	37.3
229	23.9	15.8	23.6#





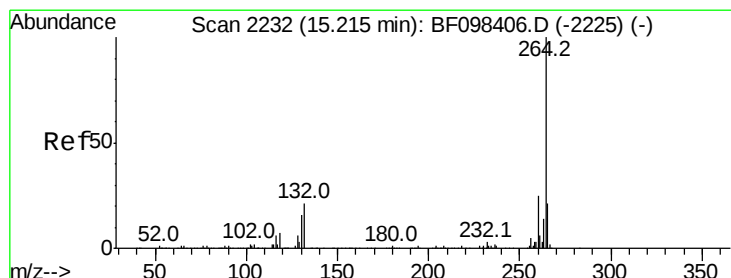
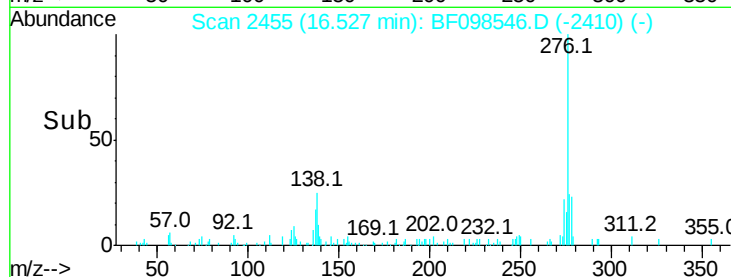
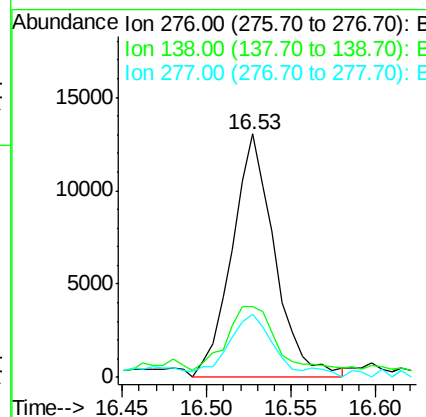
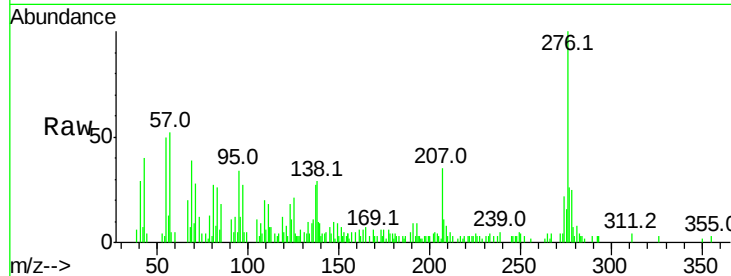
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.085 ng
RT: 16.53 min Scan# 2455
Delta R.T. -0.04 min
Lab File: BF098546.D
Acq: 14 Sep 2017 23:46

Instrument :
BNA_F
ClientSampleId :
RL-12-13-26

Tot Ion	Ratio	Lower	Upper
276	100		
138	30.5	27.8	41.6
277	22.4	20.2	30.4

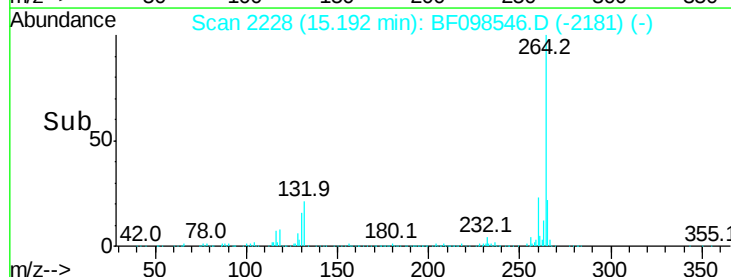
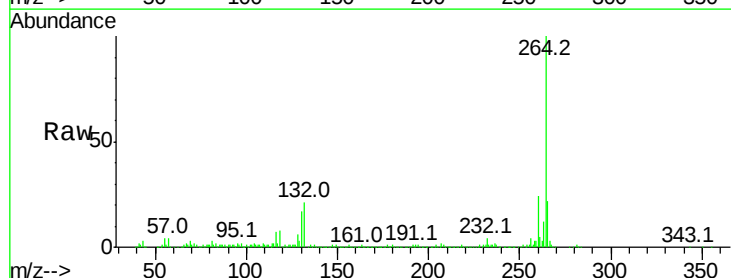
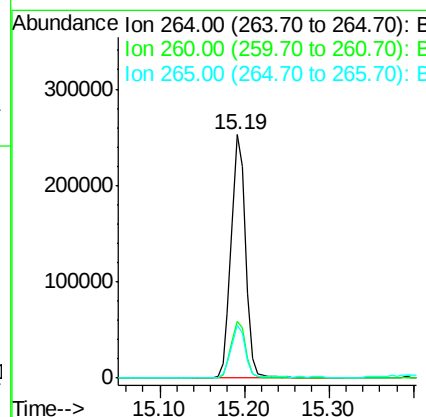
Manual Integrations
APPROVED

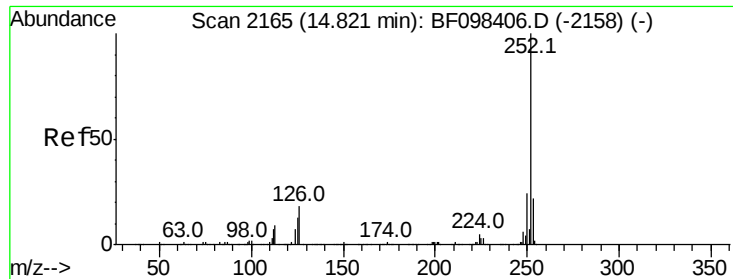
Sohil
9/15/2017 5:44:24 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.19 min Scan# 2228
Delta R.T. -0.02 min
Lab File: BF098546.D
Acq: 14 Sep 2017 23:46

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.5	29.3
265	21.7	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 2.886 ng

RT: 14.80 min Scan# 2162

Delta R.T. -0.02 min

Lab File: BF098546.D

Acq: 14 Sep 2017 23:46

Instrument :

BNA_F

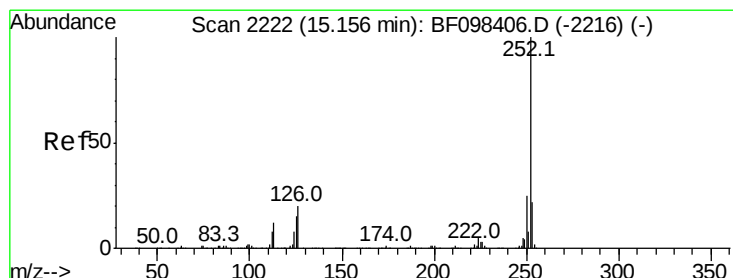
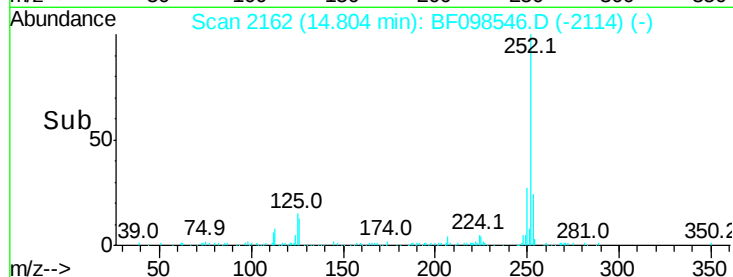
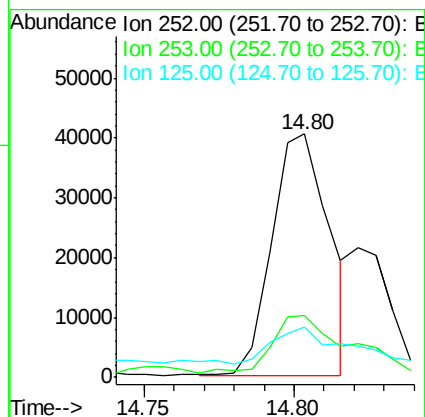
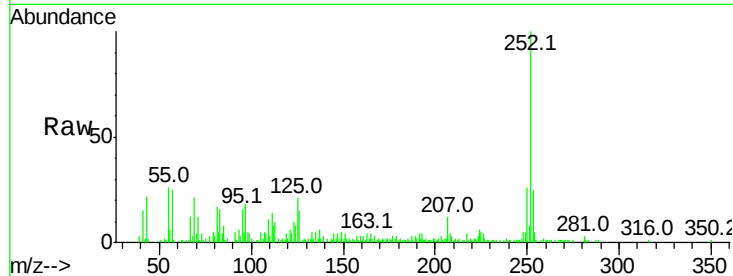
ClientSampled :

RL-12-13-26

Tot Ion:	252	Resp:	54215
Ion Ratio	Lower	Upper	
252	100		
253	25.5	18.1	27.1
125	20.6	9.8	14.8#

Manual Integrations
APPROVED

Sohil
9/15/2017 5:44:24 PM



#89

Benzo(a)pyrene

Concen: 2.616 ng

RT: 15.13 min Scan# 2218

Delta R.T. -0.02 min

Lab File: BF098546.D

Acq: 14 Sep 2017 23:46

Tgt Ion:	252	Resp:	43782
Ion Ratio	Lower	Upper	
252	100		
253	24.0	17.5	26.3
125	19.3	11.0	16.4#

