

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF091217\
 Data File : BF098466.D
 Acq On : 12 Sep 2017 22:38
 Operator : SJ/JU
 Sample : I5140-09
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RL-10-0-10.5

Manual Integrations
 APPROVED

Sohil
 9/13/2017 5:00:18 PM

Quant Time: Sep 13 02:19:47 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	6.66	152	201649	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	782593	20.00	ng	0.00
38) Acenaphthene-d10	9.69	164	301743	20.00	ng	-0.01
63) Phenanthrene-d10	11.17	188	464679	20.00	ng	-0.01
75) Chrysene-d12	13.81	240	370644	20.00	ng	0.00
86) Perylene-d12	15.21	264	287121	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	1306330	95.78	ng	0.00
7) Phenol-d6	6.32	99	1590336	91.84	ng	0.00
23) Nitrobenzene-d5	7.23	82	966065	68.82	ng	0.00
41) 2,4,6-Tribromophenol	10.49	330	188000	93.35	ng	0.00
44) 2-Fluorobiphenyl	9.02	172	1207736	67.84	ng	-0.01
78) Terphenyl-d14	12.76	244	771532	44.93	ng	-0.01
Target Compounds						
10) Phenol	6.33	94	42177	2.097	ng	97
49) Dimethylphthalate	9.42	163	199875	8.557	ng	99
70) Phenanthrene	11.20	178	125471	5.093	ng	98
74) Fluoranthene	12.39	202	261933	10.622	ng	98
77) Pyrene	12.62	202	230079	7.869	ng	99
80) Benzo(a)anthracene	13.80	228	112885	5.195	ng	99
82) Chrysene	13.83	228	106942	4.869	ng	94
85) Indeno(1,2,3-cd)pyrene	16.55	276	40231	2.611	ng	97
87) Benzo(b)fluoranthene	14.82	252	120233m	6.660	ng	
88) Benzo(k)fluoranthene	14.84	252	41481m	2.461	ng	
89) Benzo(a)pyrene	15.15	252	80112	4.981	ng	# 89
91) Benzo(a,h,i)perylene	16.96	276	39970	3.397	ng	95

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

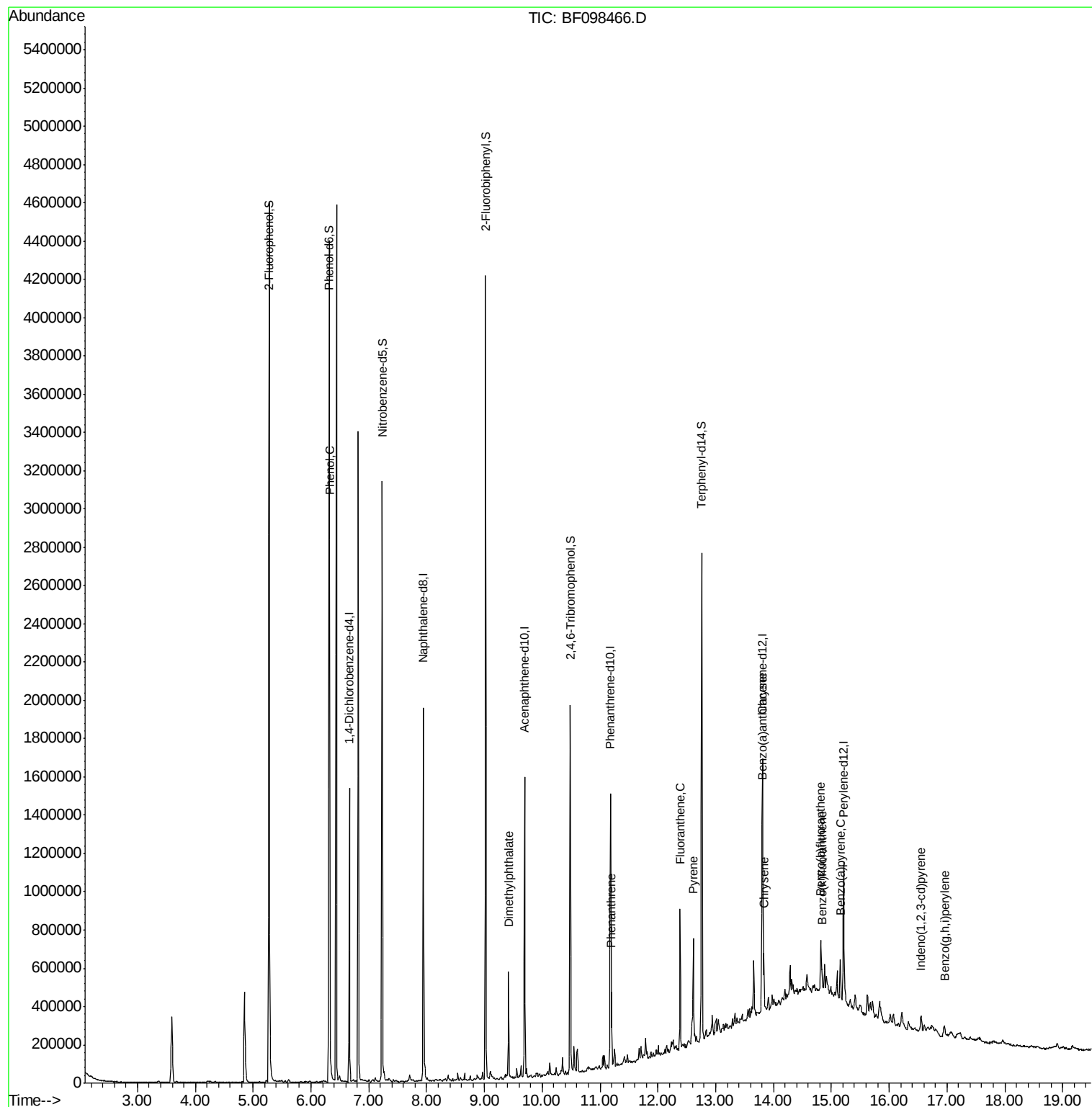
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF091217\
Data File : BF098466.D
Acq On : 12 Sep 2017 22:38
Operator : SJ/JU
Sample : I5140-09
Misc :
ALS Vial : 21 Sample Multiplier: 1

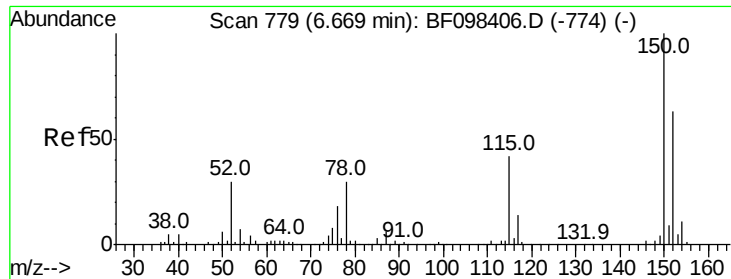
Instrument :
BNA_F
ClientSampleId :
RL-10-0-10.5

Manual Integrations
APPROVED

Sohil
9/13/2017 5:00:18 PM

Quant Time: Sep 13 02:19:47 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

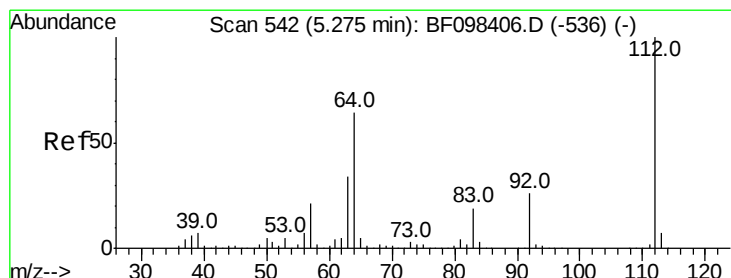
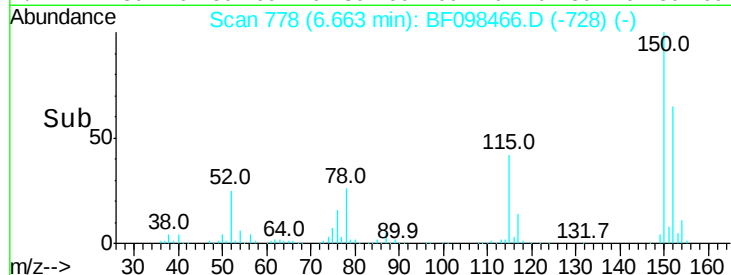
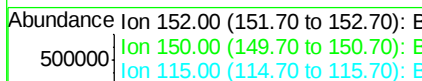
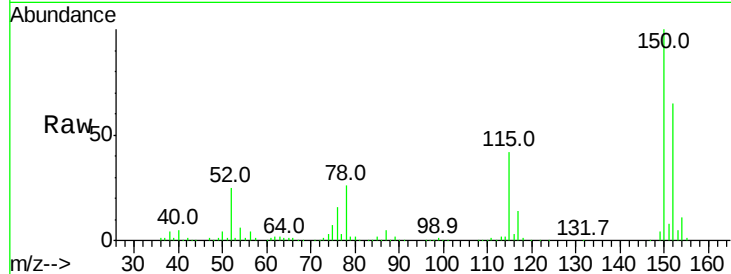
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.66 min Scan# 778
Delta R.T. -0.01 min
Lab File: BF098466.D
Acq: 12 Sep 2017 22:38

Instrument :
BNA_F
ClientSampleId :
RL-10-0-10.5

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.9	126.2	189.2
115	65.3	52.2	78.2

Manual Integrations
APPROVED

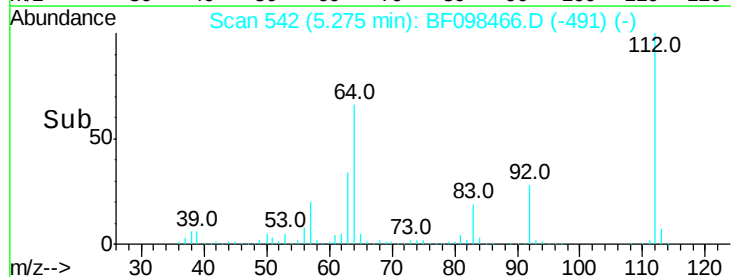
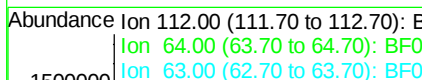
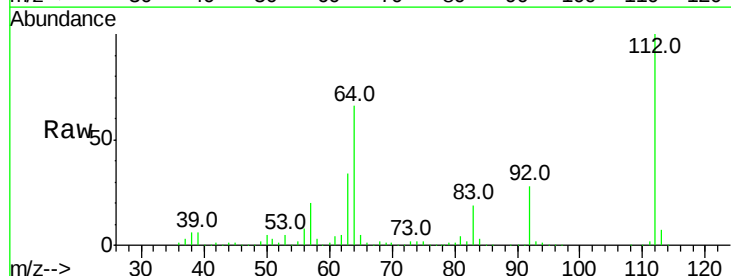
Sohil
9/13/2017 5:00:18 PM



#5

2-Fluorophenol
Concen: 95.782 ng
RT: 5.27 min Scan# 542
Delta R.T. 0.00 min
Lab File: BF098466.D
Acq: 12 Sep 2017 22:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.0	46.0	69.0
63	34.4	23.4	35.0





#7

Phenol-d6

Concen: 91.840 ng

RT: 6.32 min Scan# 719

Delta R.T. -0.01 min

Lab File: BF098466.D

Acq: 12 Sep 2017 22:38

Instrument :

BNA_F

ClientSampleId :

RL-10-0-10.5

Tot Ion: 99 Resp: 1590336

Ion Ratio Lower Upper

99 100

42 19.4 13.5 20.3

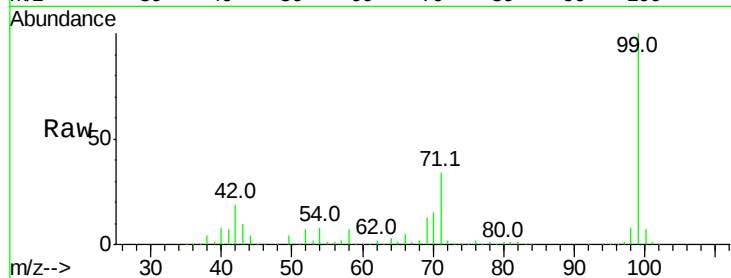
71 34.2 24.5 36.7

Manual Integrations

APPROVED

Sohil

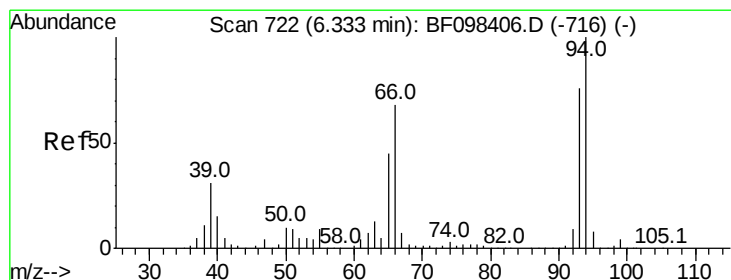
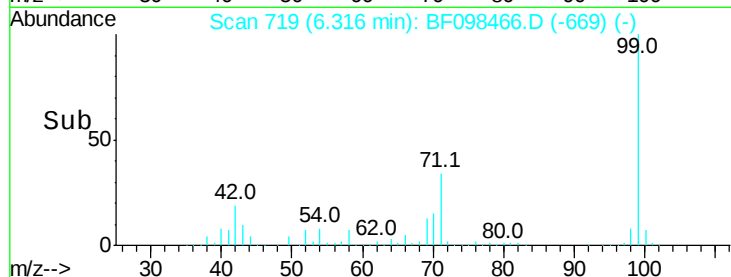
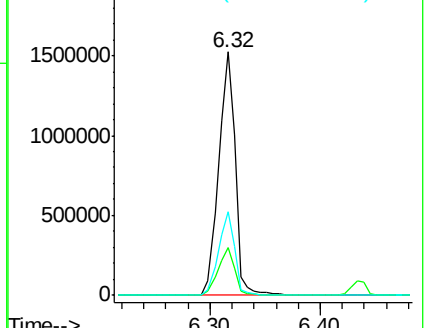
9/13/2017 5:00:18 PM



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: 2.097 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.01 min

Lab File: BF098466.D

Acq: 12 Sep 2017 22:38

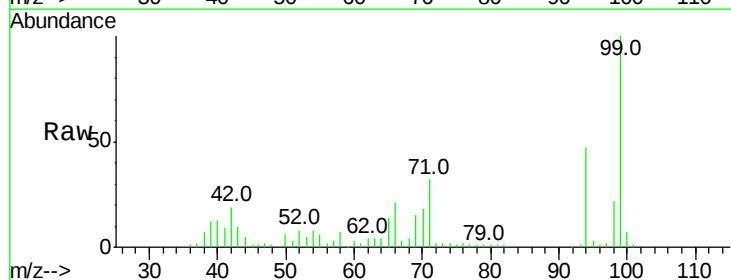
Tgt Ion: 94 Resp: 42177

Ion Ratio Lower Upper

94 100

65 30.7 9.9 49.9

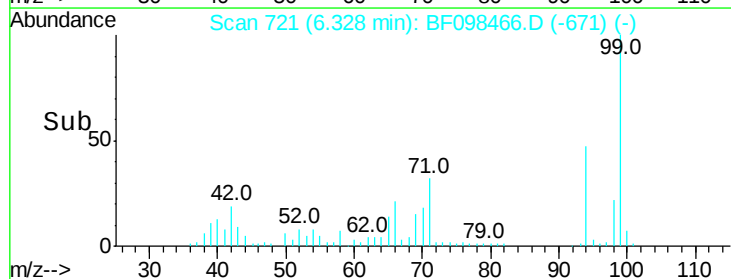
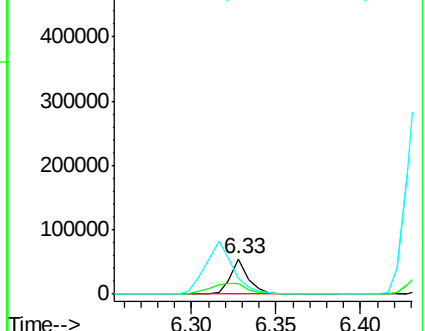
66 45.4 23.1 63.1

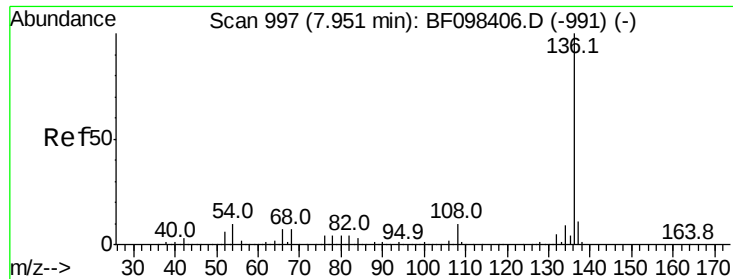


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.95 min Scan# 996

Delta R.T. -0.01 min

Lab File: BF098466.D

Acq: 12 Sep 2017 22:38

Instrument :

BNA_F

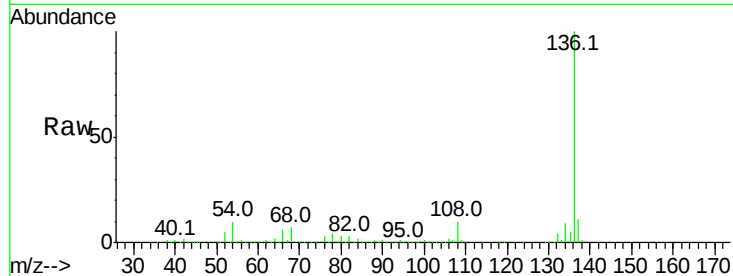
ClientSampleId :

RL-10-0-10.5

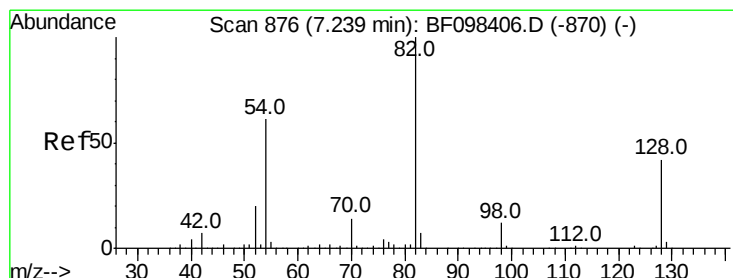
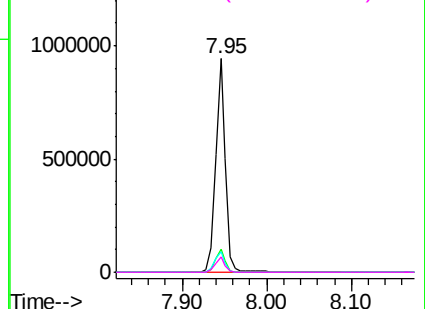
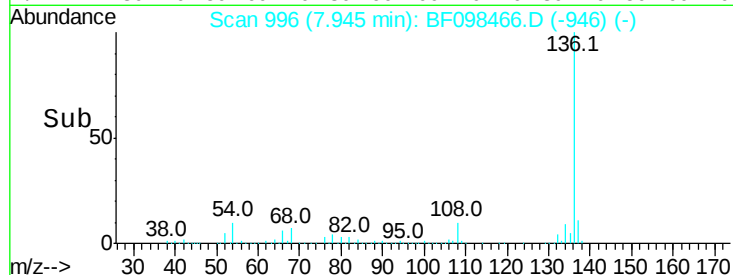
Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	10.9	8.5	12.7
54	9.9	4.9	7.3#
68	6.9	4.1	6.1#

Manual Integrations
APPROVED

Sohil
9/13/2017 5:00:18 PM



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 68.820 ng

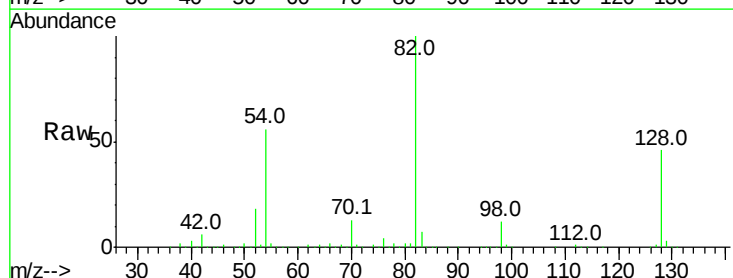
RT: 7.23 min Scan# 875

Delta R.T. -0.01 min

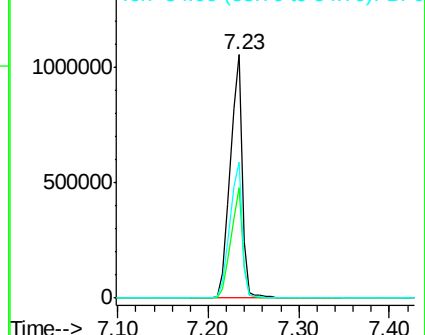
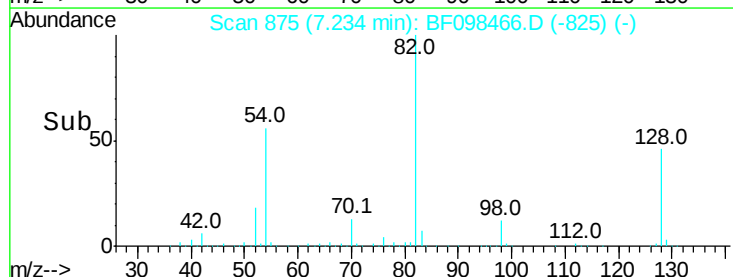
Lab File: BF098466.D

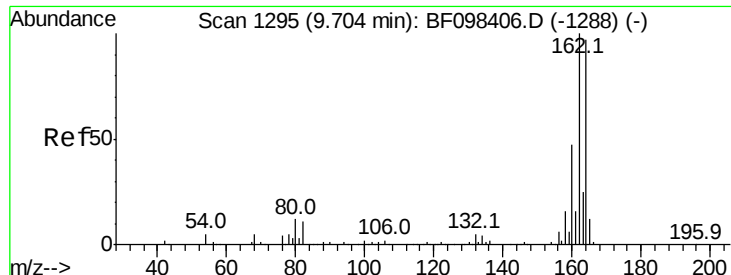
Acq: 12 Sep 2017 22:38

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	45.5	34.0	51.0
54	55.9	42.2	63.2



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.69 min Scan# 1293

Delta R.T. -0.01 min

Lab File: BF098466.D

Acq: 12 Sep 2017 22:38

Instrument :

BNA_F

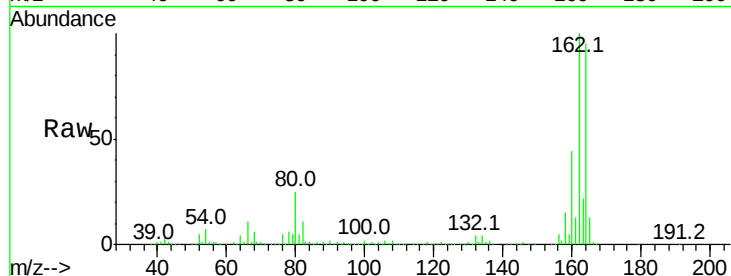
ClientSampleId :

RL-10-0-10.5

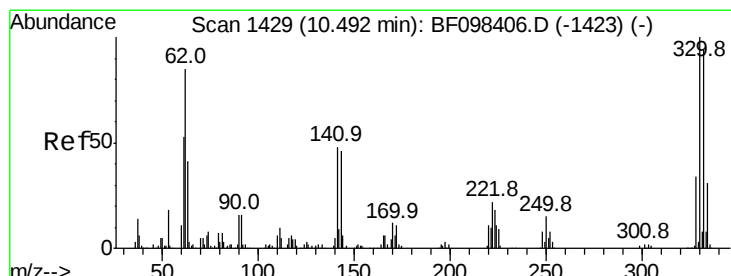
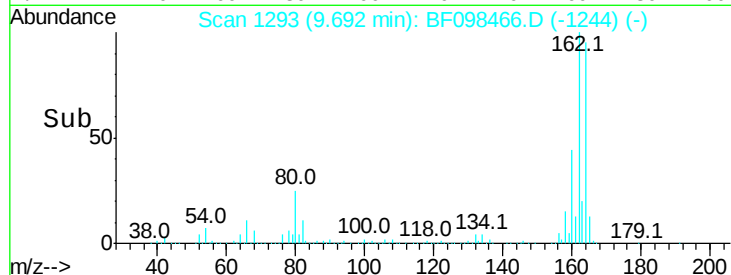
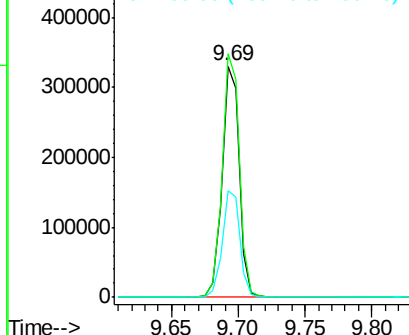
Tot Ion:	164	Resp:	301743
Ion Ratio	Lower	Upper	
164	100		
162	105.3	82.6	123.8
160	46.0	36.2	54.2

Manual Integrations
APPROVED

Sohil
9/13/2017 5:00:18 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: 93.352 ng

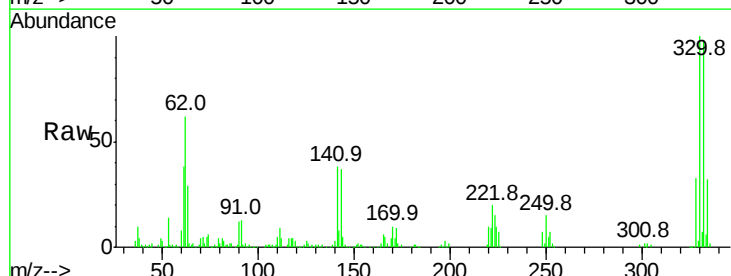
RT: 10.49 min Scan# 1428

Delta R.T. -0.01 min

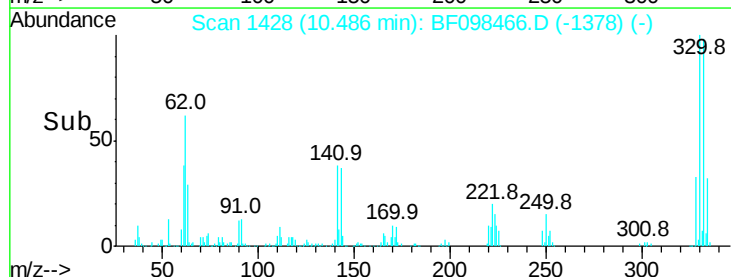
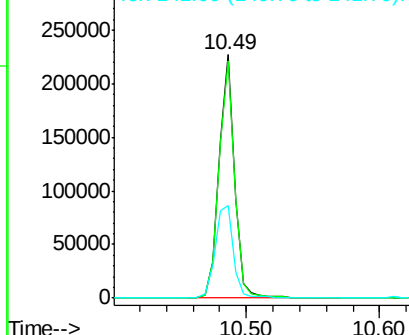
Lab File: BF098466.D

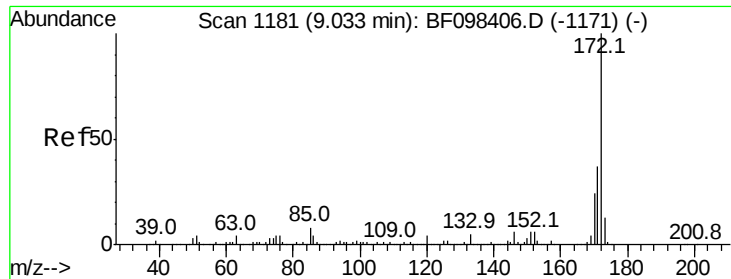
Acq: 12 Sep 2017 22:38

Tgt Ion:	330	Resp:	188000
Ion Ratio	Lower	Upper	
330	100		
332	98.1	76.6	115.0
141	45.0	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: 67.840 ng

RT: 9.02 min Scan# 1179

Delta R.T. -0.01 min

Lab File: BF098466.D

Acq: 12 Sep 2017 22:38

Instrument :

BNA_F

ClientSampleId :

RL-10-0-10.5

Tot Ion:172 Resp: 1207736

Ion Ratio Lower Upper

172 100

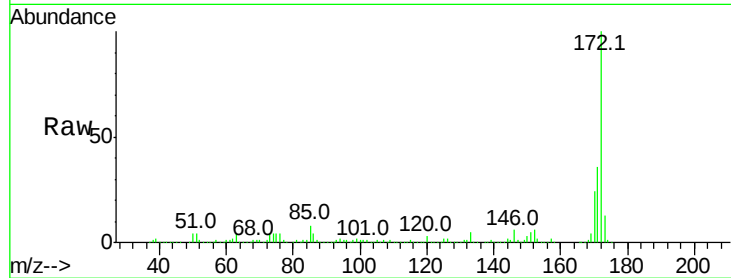
171 36.1 29.6 44.4

170 23.7 19.8 29.8

Manual Integrations
APPROVED

Sohil

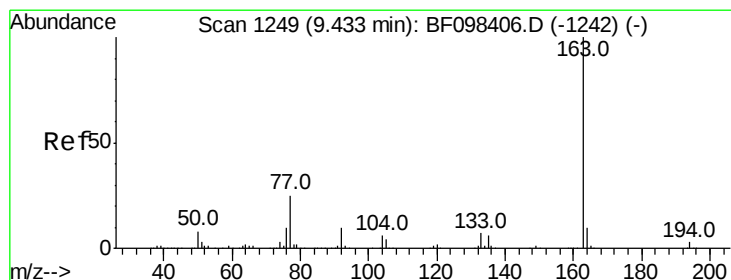
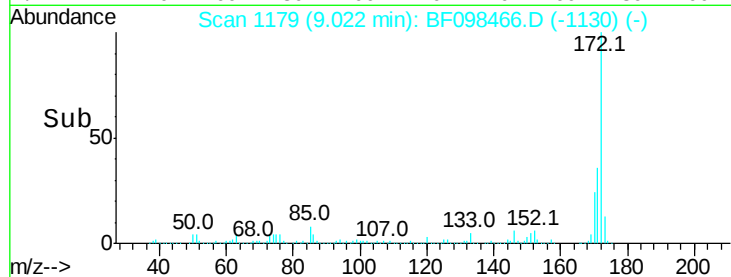
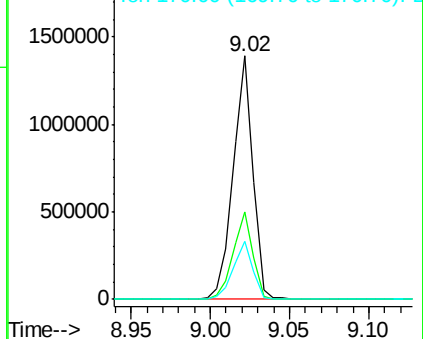
9/13/2017 5:00:18 PM



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#49

Dimethylphthalate

Concen: 8.557 ng

RT: 9.42 min Scan# 1246

Delta R.T. -0.02 min

Lab File: BF098466.D

Acq: 12 Sep 2017 22:38

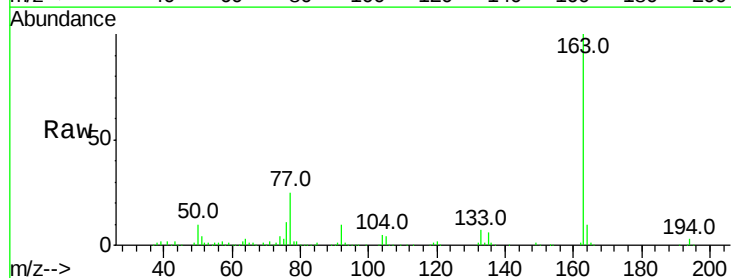
Tgt Ion:163 Resp: 199875

Ion Ratio Lower Upper

163 100

194 3.1 2.6 4.0

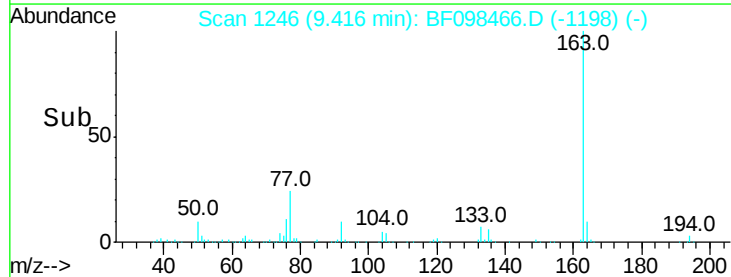
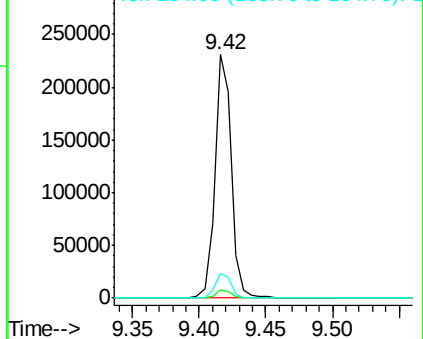
164 10.2 8.4 12.6

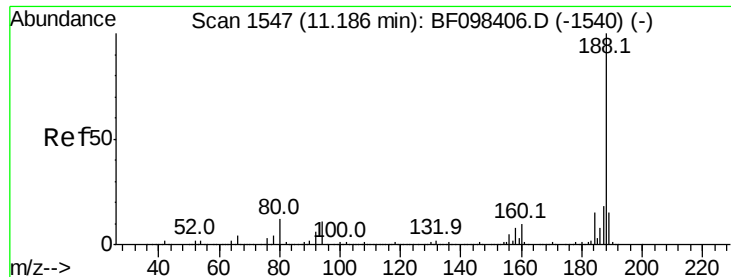


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





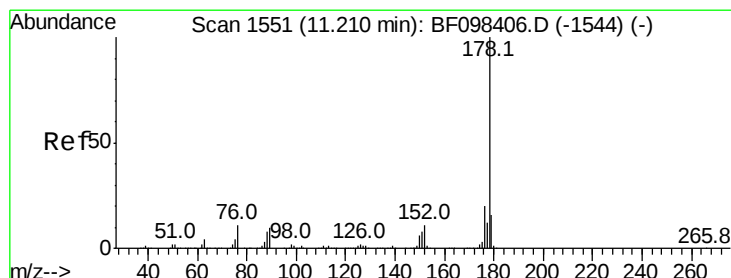
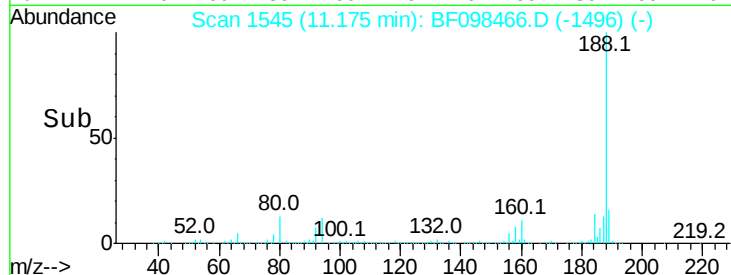
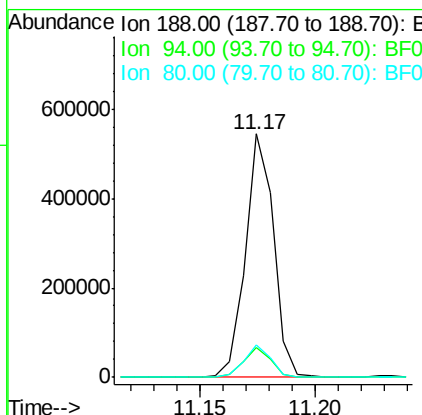
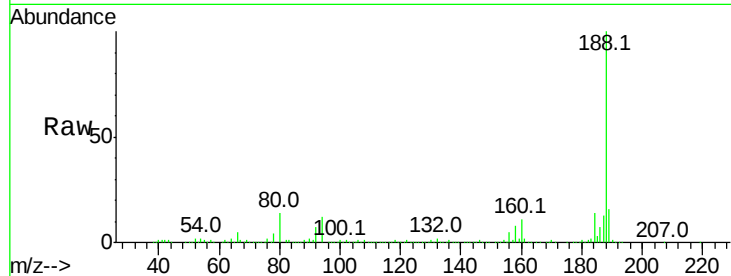
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.17 min Scan# 1545
Delta R.T. -0.01 min
Lab File: BF098466.D
Acq: 12 Sep 2017 22:38

Instrument :
BNA_F
ClientSampleId :
RL-10-0-10.5

Tot Ion	Ratio	Resp	Lower	Upper
188	100	464679		
94	12.3		9.4	14.2
80	13.5		10.2	15.2

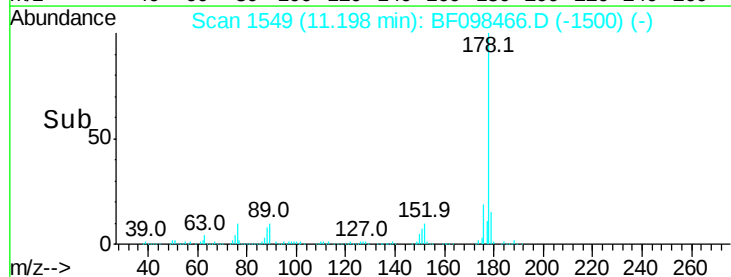
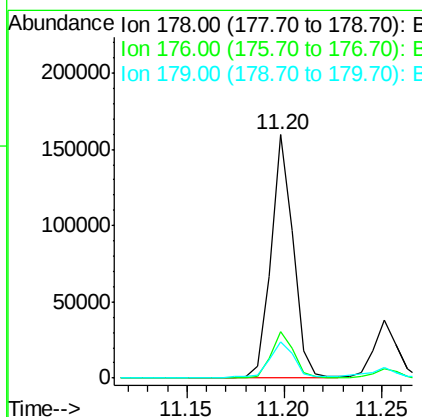
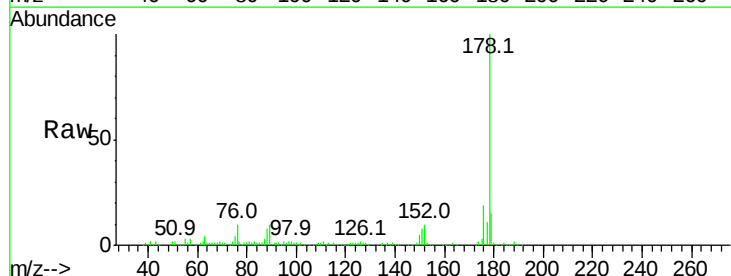
Manual Integrations
APPROVED

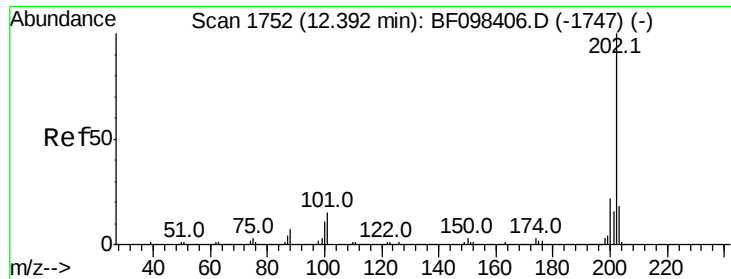
Sohil
9/13/2017 5:00:18 PM



#70
Phenanthrene
Concen: 5.093 ng
RT: 11.20 min Scan# 1549
Delta R.T. -0.01 min
Lab File: BF098466.D
Acq: 12 Sep 2017 22:38

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	125471		
176	19.1		16.2	24.4
179	15.1		12.6	19.0





#74

Fluoranthene

Concen: 10.622 ng

RT: 12.39 min Scan# 1751

Delta R.T. -0.01 min

Lab File: BF098466.D

Acq: 12 Sep 2017 22:38

Instrument :

BNA_F

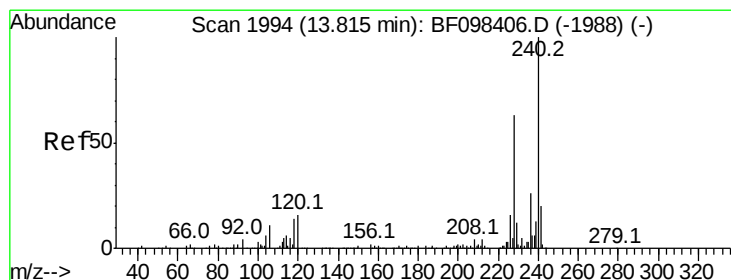
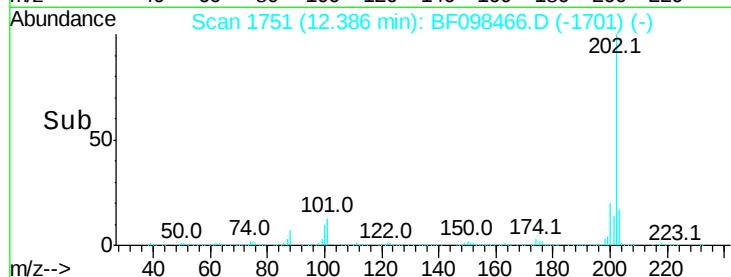
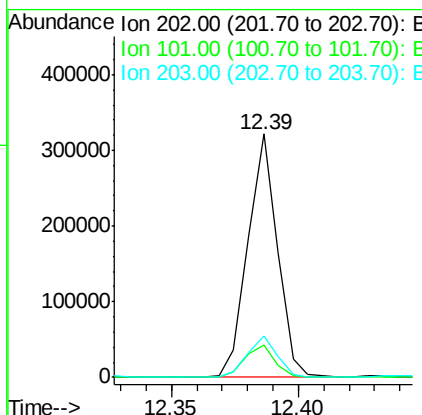
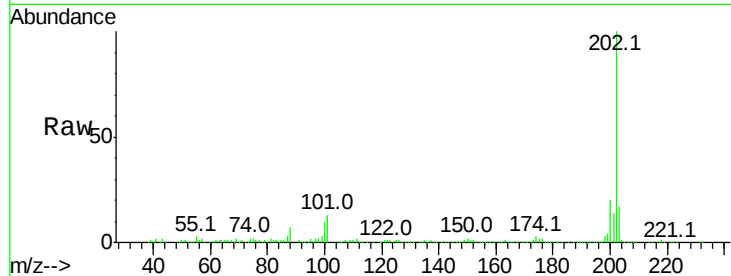
ClientSampleId :

RL-10-0-10.5

Tot Ion	Ratio	Resp	Lower	Upper
202	100	261933		
101	13.1	0.0	33.2	
203	16.9	0.0	38.1	

Manual Integrations
APPROVED

Sohil
9/13/2017 5:00:18 PM



#75

Chrysene-d12

Concen: 20.000 ng

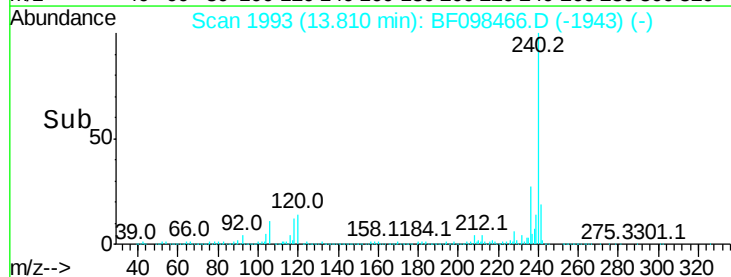
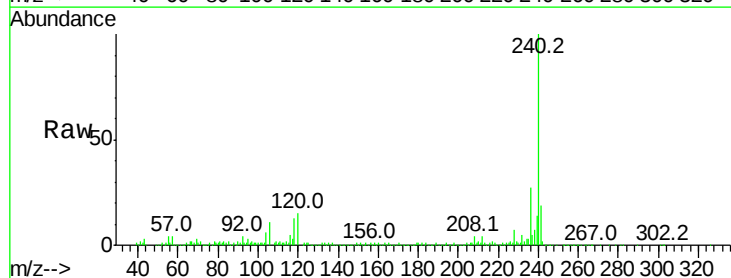
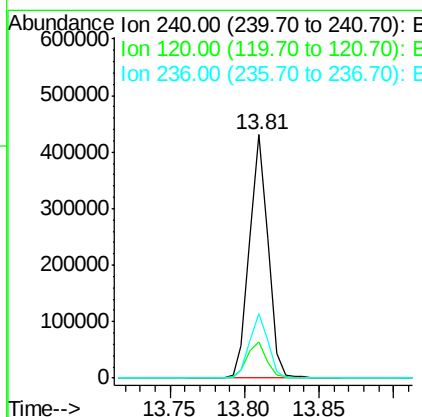
RT: 13.81 min Scan# 1993

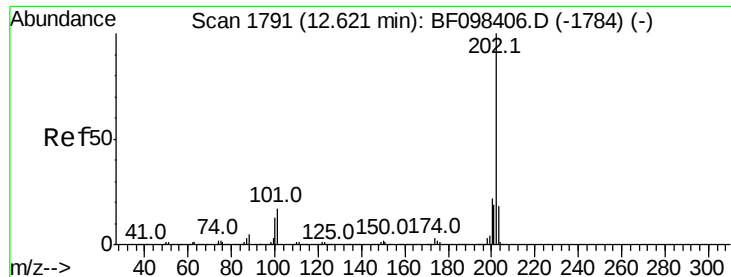
Delta R.T. -0.01 min

Lab File: BF098466.D

Acq: 12 Sep 2017 22:38

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	370644		
120	14.7	5.8	8.8#	
236	26.6	20.5	30.7	





#77

Pvrene

Concen: 7.869 ng

RT: 12.62 min Scan# 1790

Delta R.T. -0.01 min

Lab File: BF098466.D

Acq: 12 Sep 2017 22:38

Instrument :

BNA_F

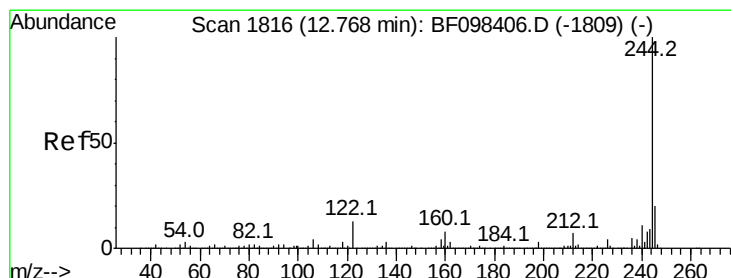
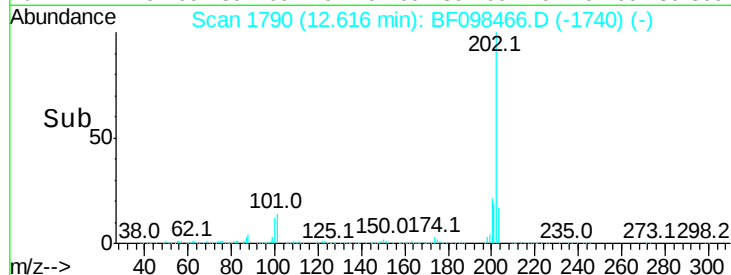
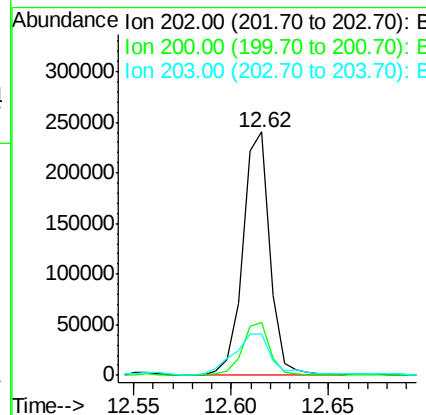
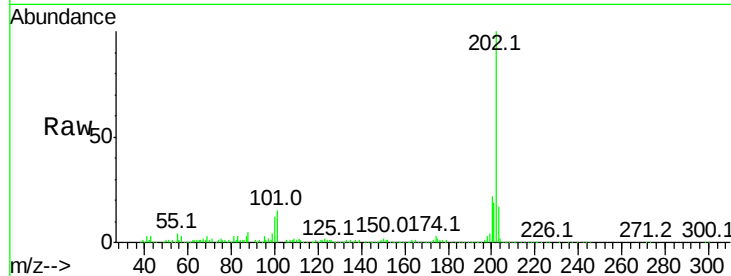
ClientSampleId :

RL-10-0-10.5

Tot Ion:	202	Resp:	230079
Ion Ratio		Lower	Upper
202	100		
200	21.6	17.6	26.4
203	17.2	14.4	21.6

Manual Integrations
APPROVED

Sohil
9/13/2017 5:00:18 PM



#78

Terphenyl-d14

Concen: 44.931 ng

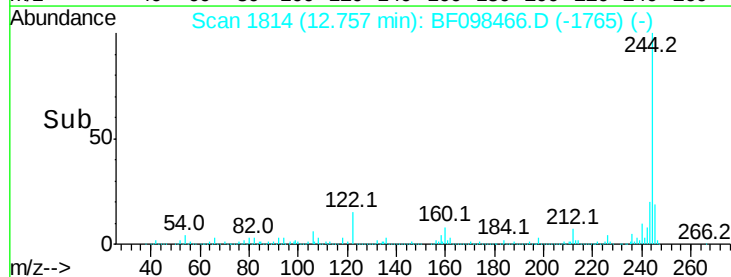
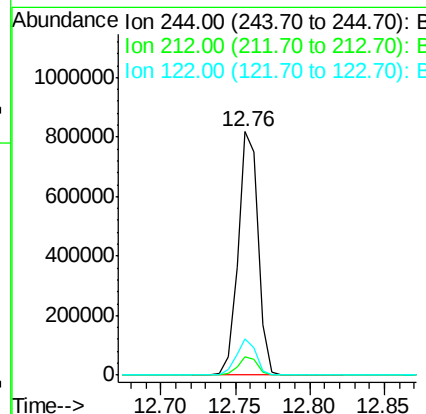
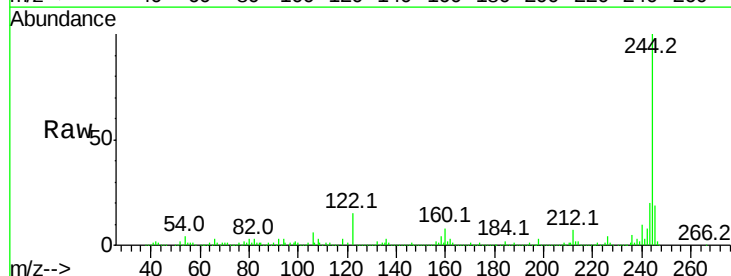
RT: 12.76 min Scan# 1814

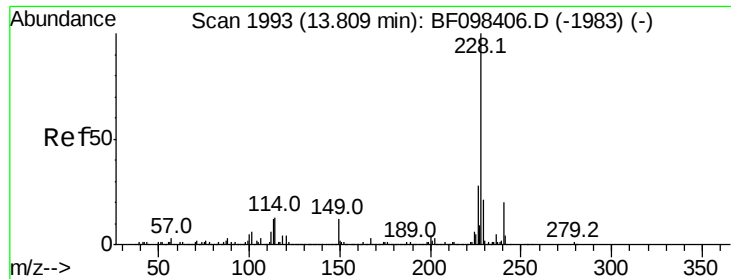
Delta R.T. -0.01 min

Lab File: BF098466.D

Acq: 12 Sep 2017 22:38

Tgt Ion:	244	Resp:	771532
Ion Ratio		Lower	Upper
244	100		
212	7.3	6.0	9.0
122	15.1	10.3	15.5





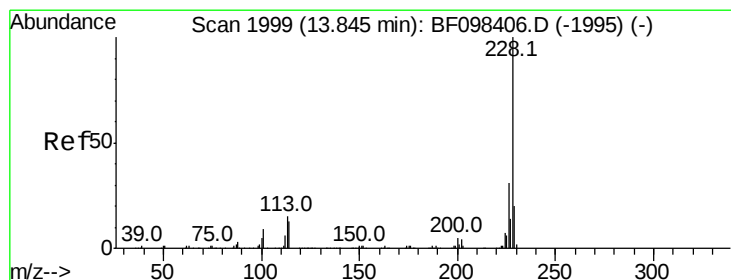
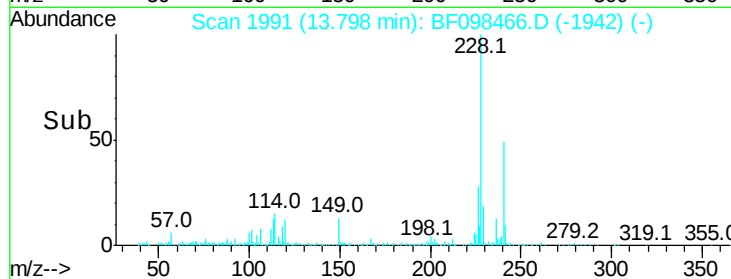
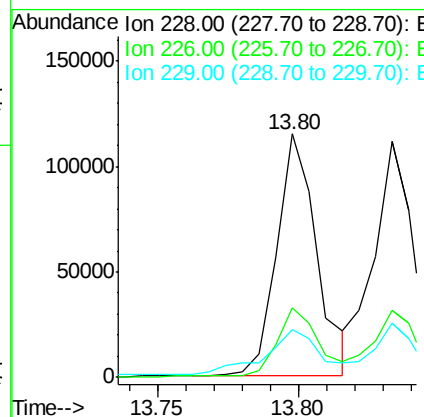
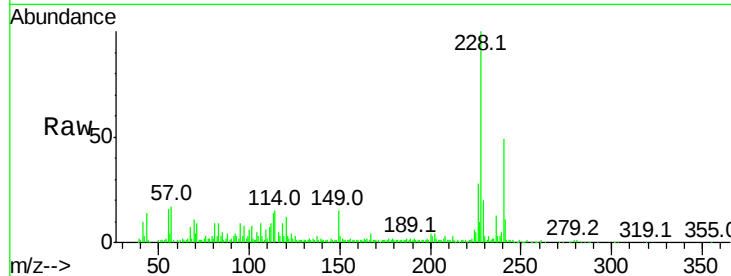
#80
Benzo(a)anthracene
Concen: 5.195 ng
RT: 13.80 min Scan# 1991
Delta R.T. -0.01 min
Lab File: BF098466.D
Acq: 12 Sep 2017 22:38

Instrument :
BNA_F
ClientSampleId :
RL-10-0-10.5

Tot Ion	Ratio	Resp	Lower	Upper
228	100	112885		
226	28.3		22.6	33.8
229	19.7		16.3	24.5

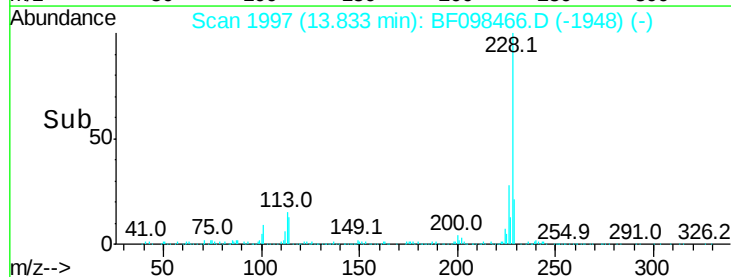
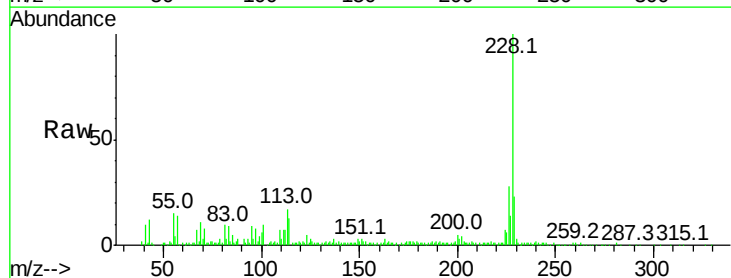
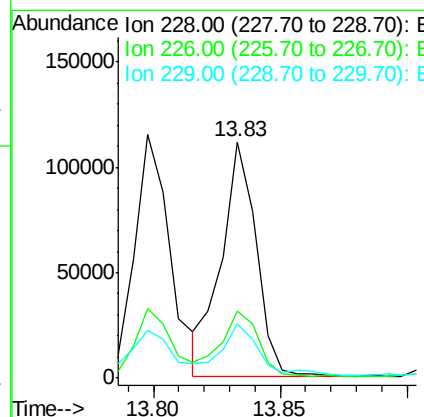
Manual Integrations
APPROVED

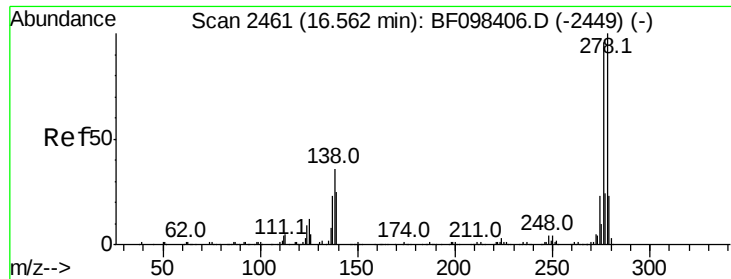
Sohil
9/13/2017 5:00:18 PM



#82
Chrysene
Concen: 4.869 ng
RT: 13.83 min Scan# 1997
Delta R.T. -0.01 min
Lab File: BF098466.D
Acq: 12 Sep 2017 22:38

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	106942		
226	28.4		24.9	37.3
229	22.7		15.8	23.6





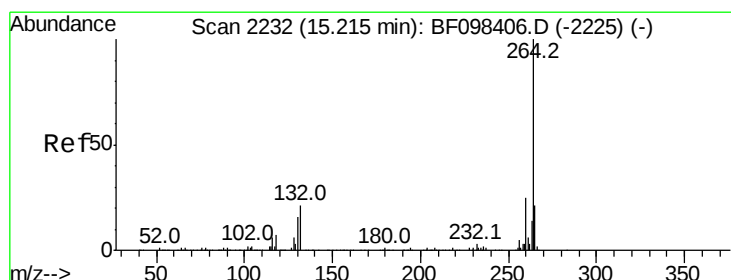
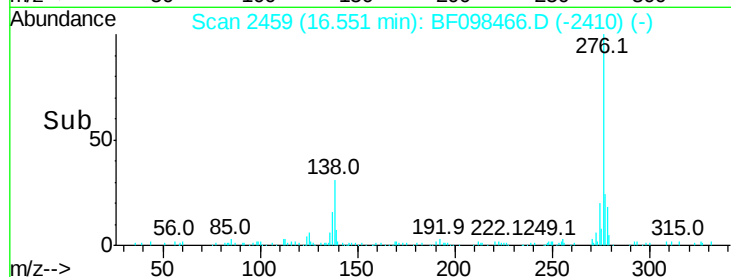
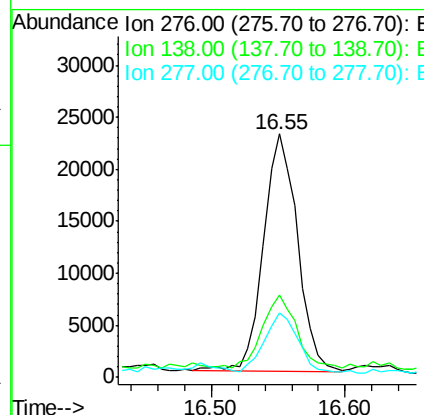
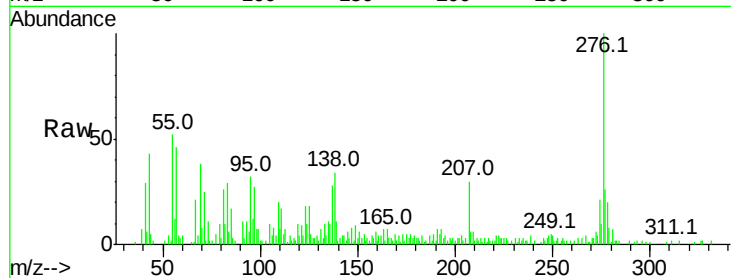
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.611 ng
RT: 16.55 min Scan# 2459
Delta R.T. -0.01 min
Lab File: BF098466.D
Acq: 12 Sep 2017 22:38

Instrument :
BNA_F
ClientSampleId :
RL-10-0-10.5

Tot Ion	Ratio	Lower	Upper
276	100		
138	31.9	27.8	41.6
277	25.9	20.2	30.4

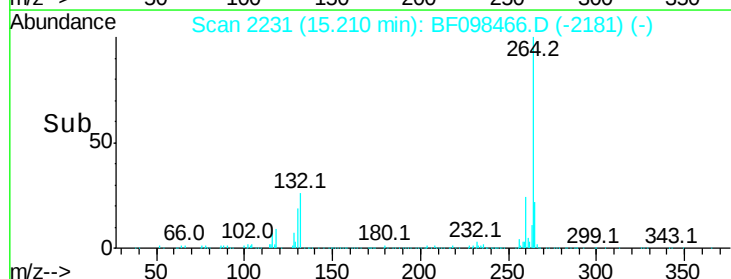
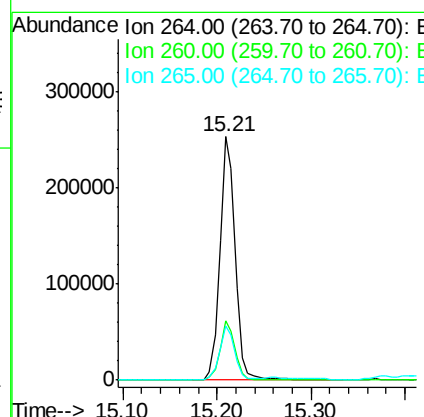
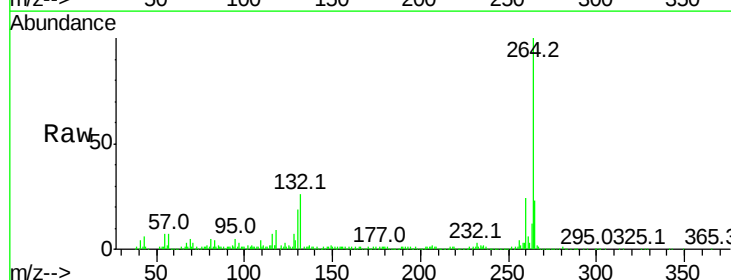
Manual Integrations
APPROVED

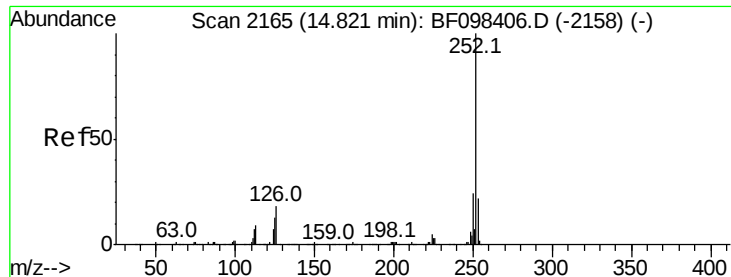
Sohil
9/13/2017 5:00:18 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.21 min Scan# 2231
Delta R.T. -0.01 min
Lab File: BF098466.D
Acq: 12 Sep 2017 22:38

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.5	29.3
265	22.5	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 6.660 ng m

RT: 14.82 min Scan# 2164

Delta R.T. -0.01 min

Lab File: BF098466.D

Acq: 12 Sep 2017 22:38

Instrument :

BNA_F

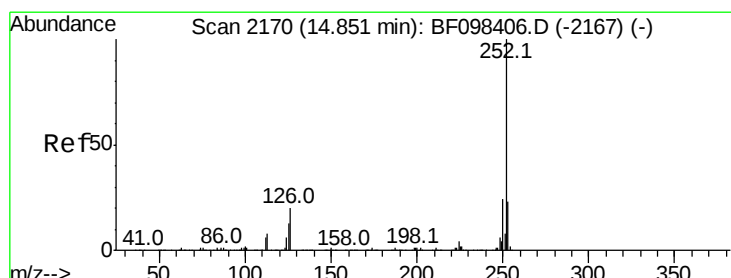
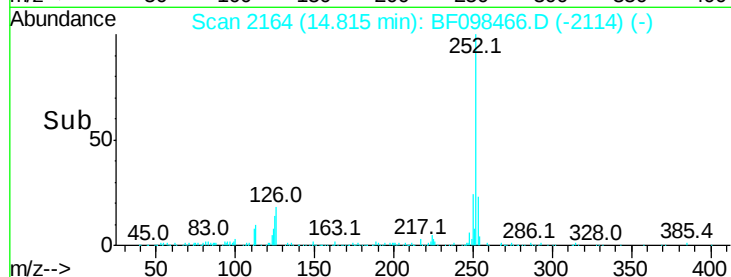
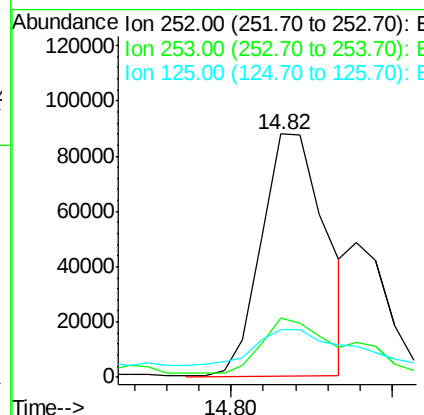
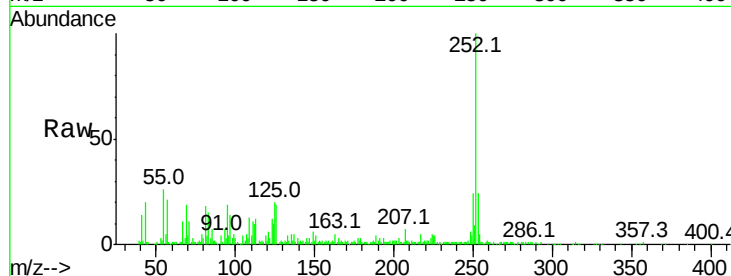
ClientSampleId :

RL-10-0-10.5

Tot Ion:	252	Resp:	120233
Ion Ratio	Lower	Upper	
252	100		
253	24.3	18.1	27.1
125	19.7	9.8	14.8#

Manual Integrations
APPROVED

Sohil
9/13/2017 5:00:18 PM



#88

Benzo(k)fluoranthene

Concen: 2.461 ng m

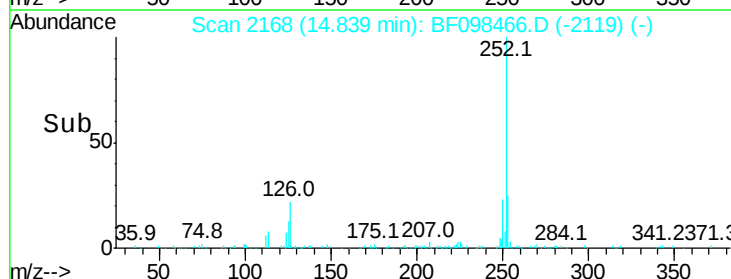
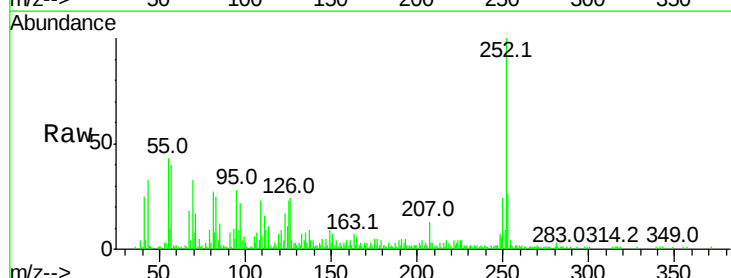
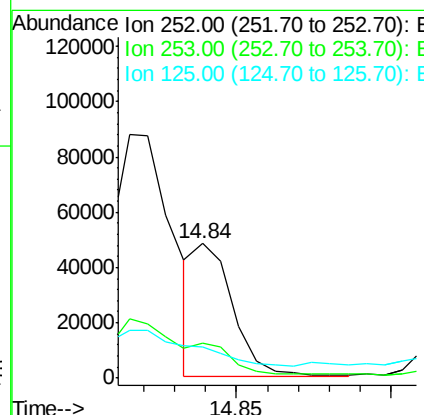
RT: 14.84 min Scan# 2168

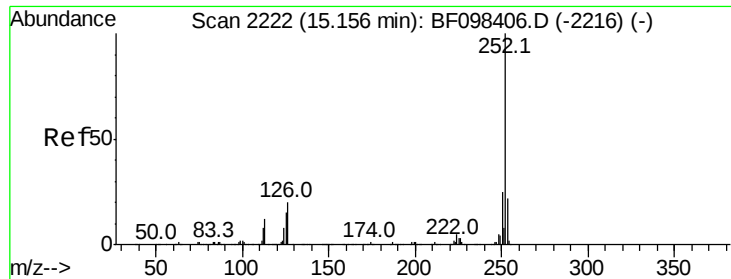
Delta R.T. -0.01 min

Lab File: BF098466.D

Acq: 12 Sep 2017 22:38

Tgt Ion:	252	Resp:	41481
Ion Ratio	Lower	Upper	
252	100		
253	26.4	18.4	27.6
125	23.3	13.1	19.7#





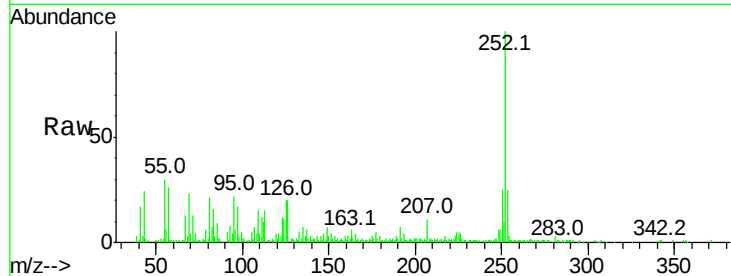
#89
Benzo(a)pyrene
Concen: 4.981 ng
RT: 15.15 min Scan# 2221
Delta R.T. -0.01 min
Lab File: BF098466.D
Acq: 12 Sep 2017 22:38

Instrument :
BNA_F
ClientSampleId :
RL-10-0-10.5

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.5	26.3
125	20.4	11.0	16.4

Manual Integrations
APPROVED

Sohil
9/13/2017 5:00:18 PM

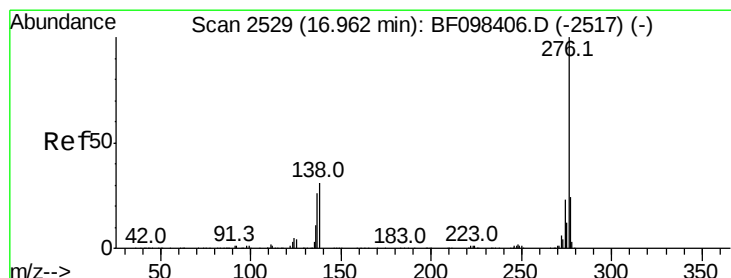
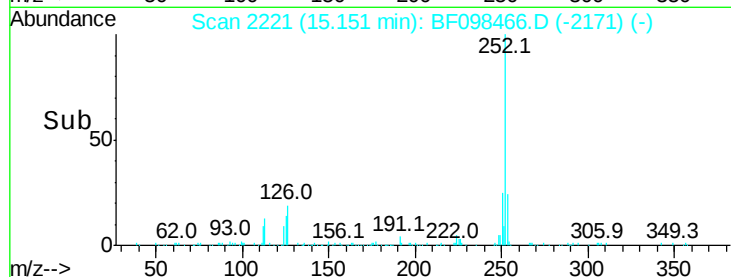
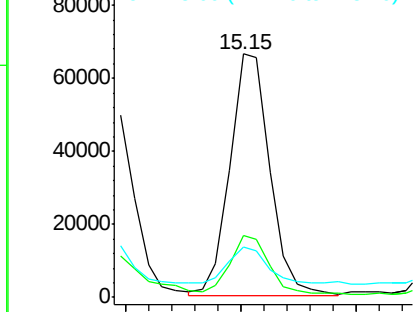


Abundance

Ion 252.00 (251.70 to 252.70): E

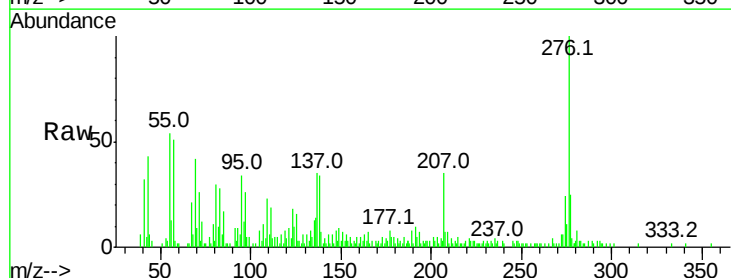
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 3.397 ng
RT: 16.96 min Scan# 2528
Delta R.T. -0.01 min
Lab File: BF098466.D
Acq: 12 Sep 2017 22:38

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.4	18.6	28.0
138	34.4	25.4	38.0



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

