

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF091317\
 Data File : BF098507.D
 Acq On : 13 Sep 2017 23:32
 Operator : SJ/JU
 Sample : I5160-04
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G-7-1

Manual Integrations
 APPROVED

Sohil
 9/14/2017 5:52:57 PM

Quant Time: Sep 14 07:34:17 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	165392	20.00	ng	-0.01
21) Naphthalene-d8	7.94	136	666075	20.00	ng	-0.01
38) Acenaphthene-d10	9.69	164	274275	20.00	ng	-0.02
63) Phenanthrene-d10	11.17	188	409919	20.00	ng	-0.02
75) Chrysene-d12	13.80	240	340252	20.00	ng	-0.01
86) Perylene-d12	15.20	264	295622	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	1378881	123.27	ng	0.00
7) Phenol-d6	6.32	99	1650961	116.24	ng	0.00
23) Nitrobenzene-d5	7.23	82	929474	77.80	ng	-0.01
41) 2,4,6-Tribromophenol	10.48	330	211358	115.46	ng	-0.01
44) 2-Fluorobiphenyl	9.02	172	1388903	85.83	ng	-0.02
78) Terphenyl-d14	12.75	244	851789	54.04	ng	-0.02
Target Compounds						
10) Phenol	6.32	94	52557	3.186	ng	Qvalue # 66
49) Dimethylphthalate	9.41	163	259357	12.216	ng	98
70) Phenanthrene	11.19	178	145669	6.703	ng	98
71) Anthracene	11.25	178	58306	2.613	ng	97
74) Fluoranthene	12.38	202	215674	9.914	ng	98
77) Pyrene	12.60	202	213466	7.953	ng	98
80) Benzo(a)anthracene	13.79	228	119768m	6.004	ng	
82) Chrysene	13.83	228	121213m	6.011	ng	
85) Indeno(1,2,3-cd)pyrene	16.54	276	49123	3.472	ng	92
87) Benzo(b)fluoranthene	14.81	252	175169m	9.424	ng	
88) Benzo(k)fluoranthene	14.83	252	43005m	2.478	ng	
89) Benzo(a)pyrene	15.14	252	99670	6.019	ng	99
91) Benzo(a,h,i)perylene	16.94	276	43792	3.614	ng	98

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

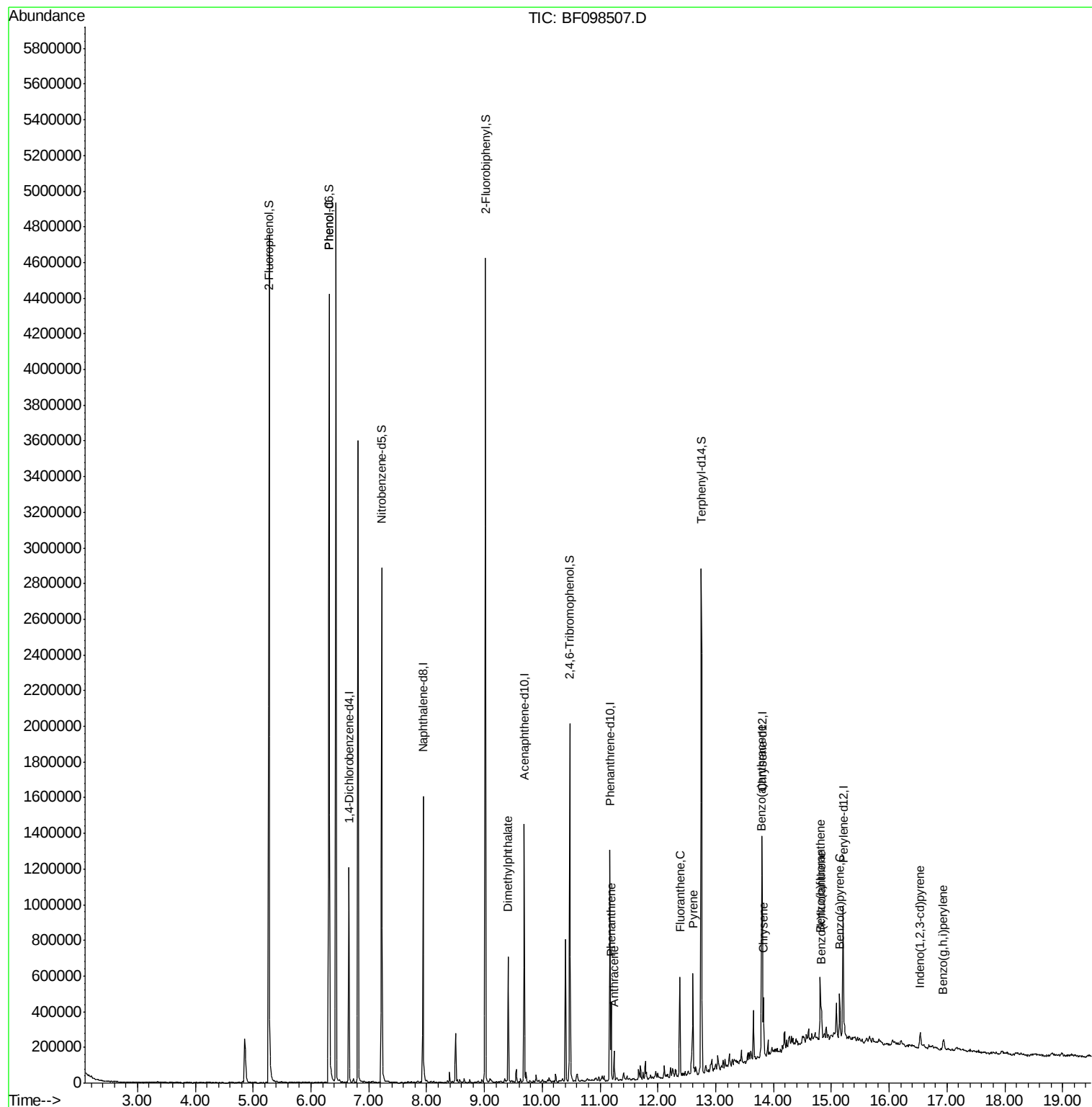
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF091317\
Data File : BF098507.D
Acq On : 13 Sep 2017 23:32
Operator : SJ/JU
Sample : I5160-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

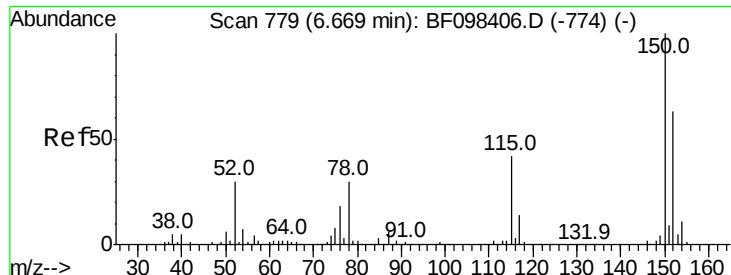
Instrument :
BNA_F
ClientSampleId :
G-7-1

Manual Integrations
APPROVED

Sohil
9/14/2017 5:52:57 PM

Quant Time: Sep 14 07:34:17 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

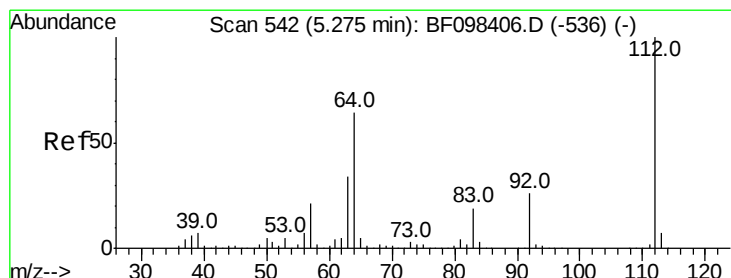
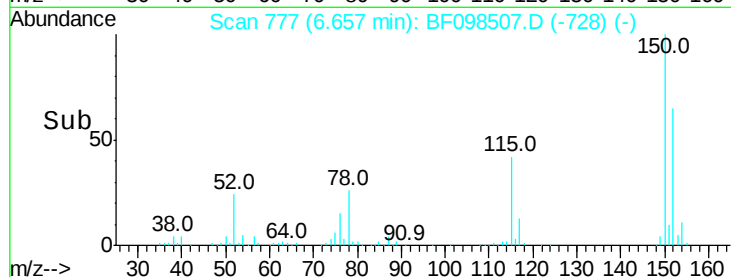
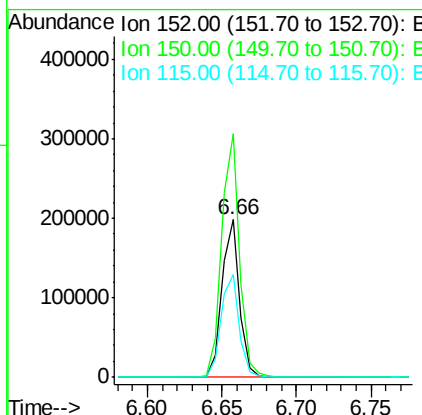
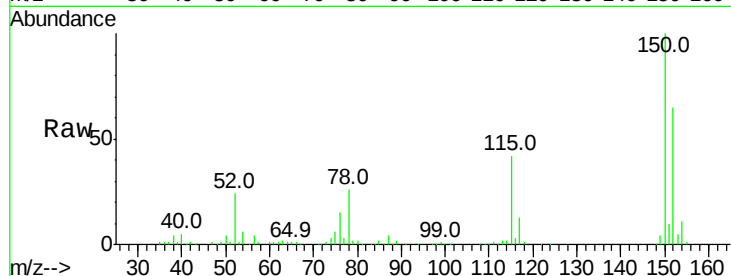
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.66 min Scan# 777
Delta R.T. -0.01 min
Lab File: BF098507.D
Acq: 13 Sep 2017 23:32

Instrument :
BNA_F
ClientSampled :
G-7-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.3	126.2	189.2
115	65.1	52.2	78.2

Manual Integrations
APPROVED

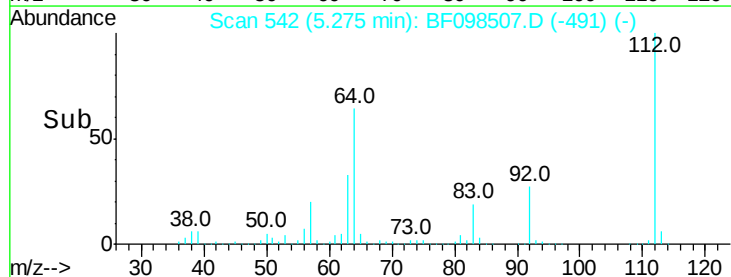
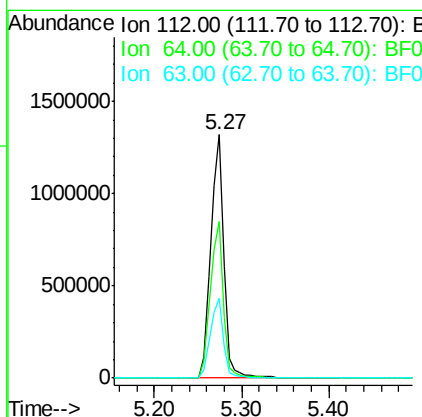
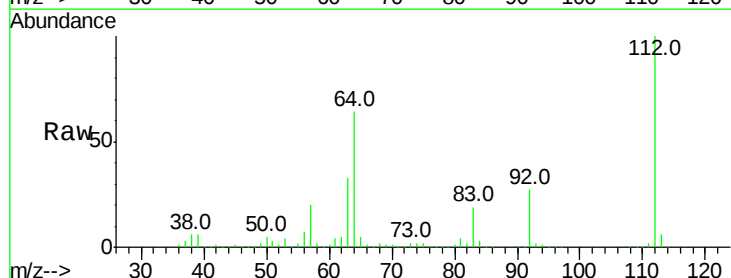
Sohil
9/14/2017 5:52:57 PM

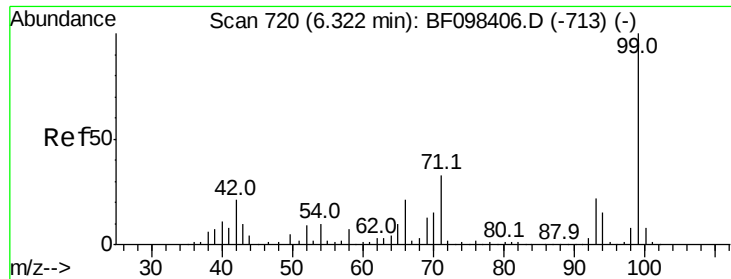


#5

2-Fluorophenol
Concen: 123.265 ng
RT: 5.27 min Scan# 542
Delta R.T. 0.00 min
Lab File: BF098507.D
Acq: 13 Sep 2017 23:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.4	46.0	69.0
63	32.9	23.4	35.0





#7

Phenol-d6

Concen: 116.242 ng

RT: 6.32 min Scan# 719

Delta R.T. -0.01 min

Lab File: BF098507.D

Acq: 13 Sep 2017 23:32

Instrument :

BNA_F

ClientSampled :

G-7-1

Tot Ion: 99 Resp: 1650961

Ion Ratio Lower Upper

99 100

42 18.4 13.5 20.3

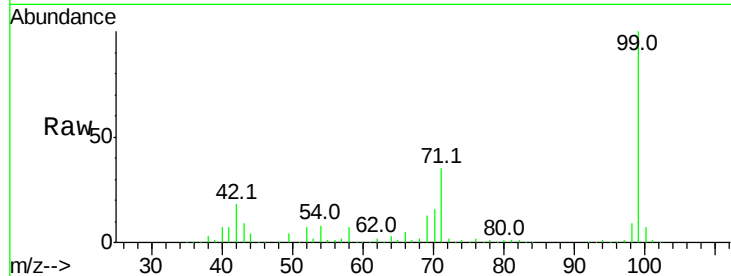
71 35.1 24.5 36.7

Manual Integrations

APPROVED

Sohil

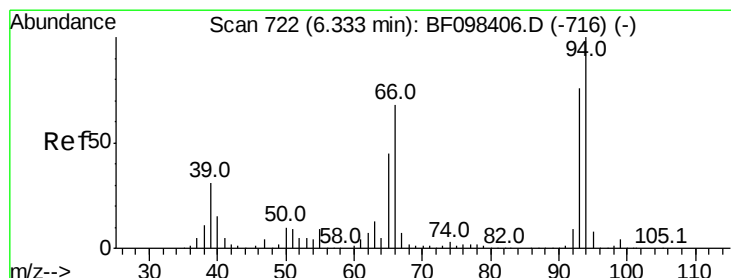
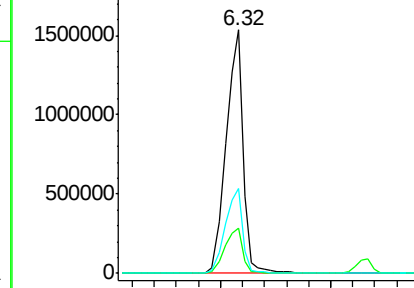
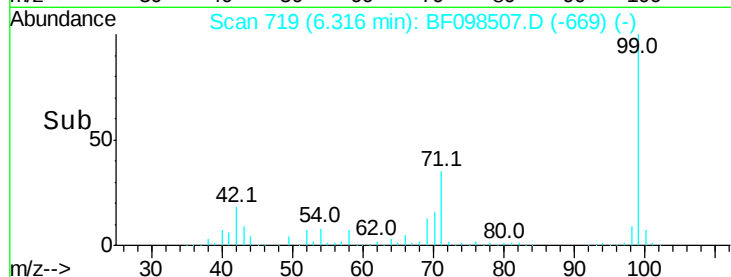
9/14/2017 5:52:57 PM



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: 3.186 ng

RT: 6.32 min Scan# 720

Delta R.T. -0.01 min

Lab File: BF098507.D

Acq: 13 Sep 2017 23:32

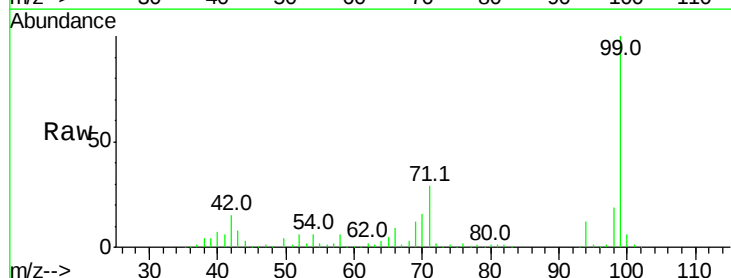
Tgt Ion: 94 Resp: 52557

Ion Ratio Lower Upper

94 100

65 39.3 9.9 49.9

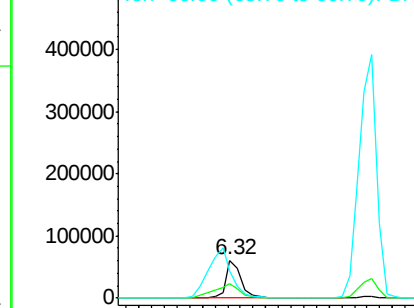
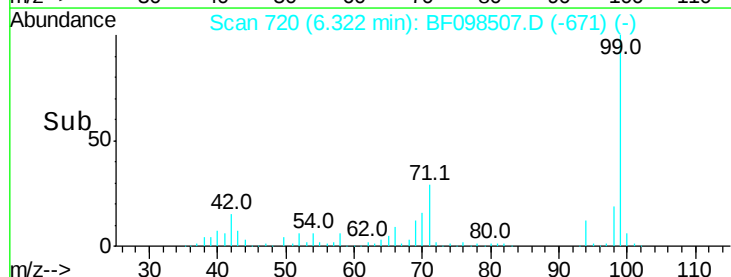
66 72.6 23.1 63.1#



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





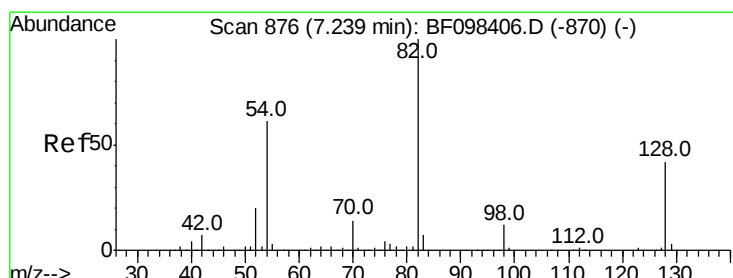
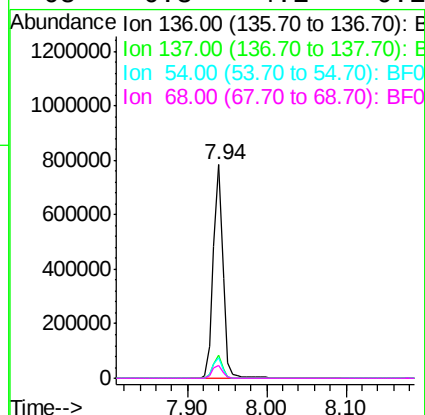
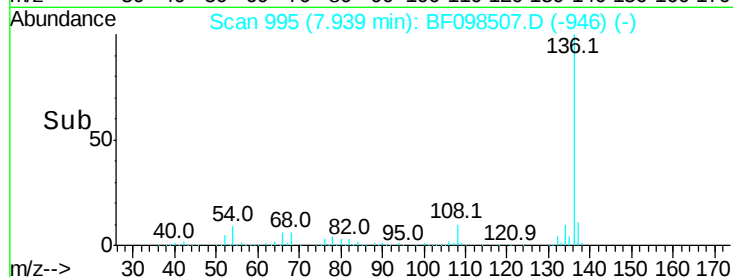
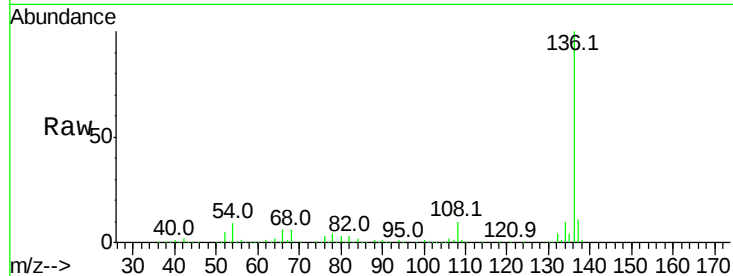
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.94 min Scan# 995
Delta R.T. -0.01 min
Lab File: BF098507.D
Acq: 13 Sep 2017 23:32

Instrument :
BNA_F
ClientSampleId :
G-7-1

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	11.1	8.5	12.7
54	9.4	4.9	7.3#
68	6.3	4.1	6.1#

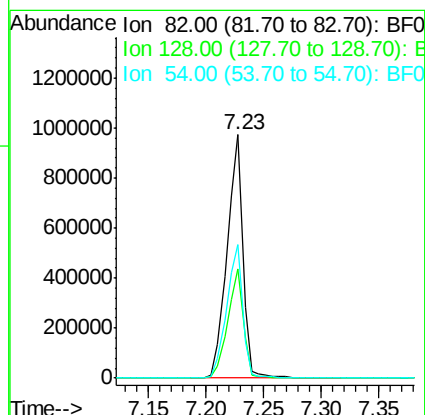
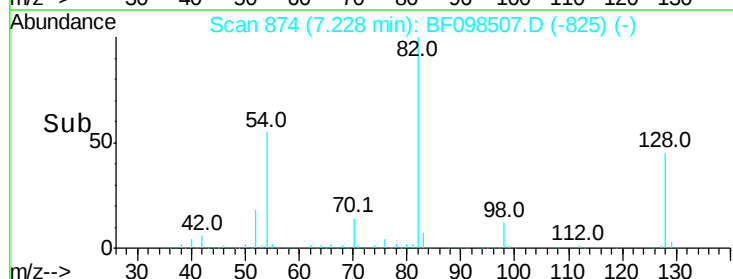
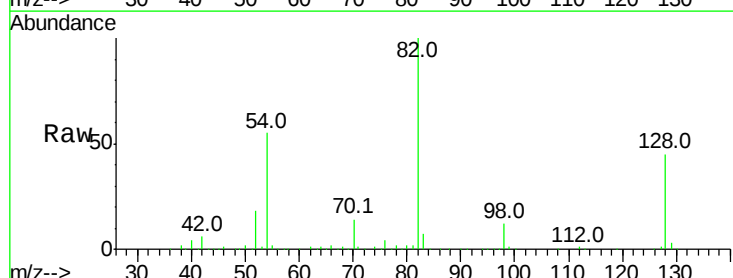
Manual Integrations
APPROVED

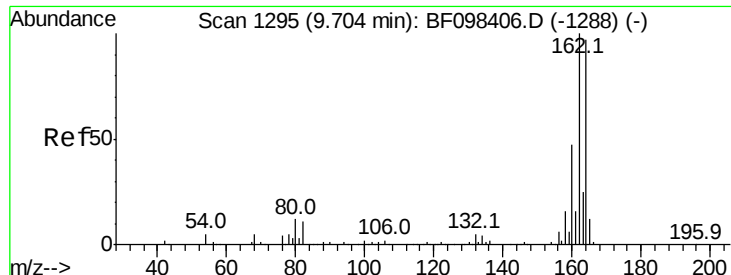
Sohil
9/14/2017 5:52:57 PM



#23
Nitrobenzene-d5
Concen: 77.796 ng
RT: 7.23 min Scan# 874
Delta R.T. -0.01 min
Lab File: BF098507.D
Acq: 13 Sep 2017 23:32

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	45.0	34.0	51.0
54	54.8	42.2	63.2





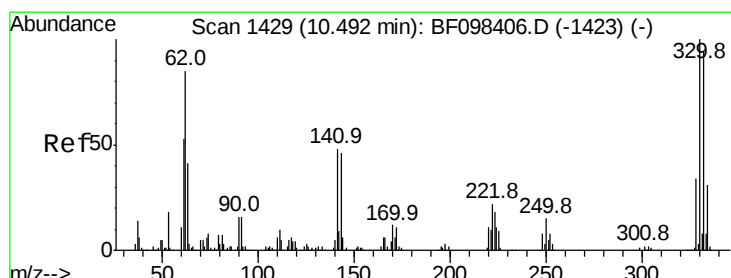
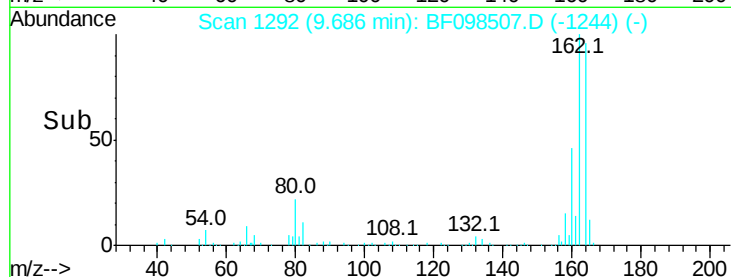
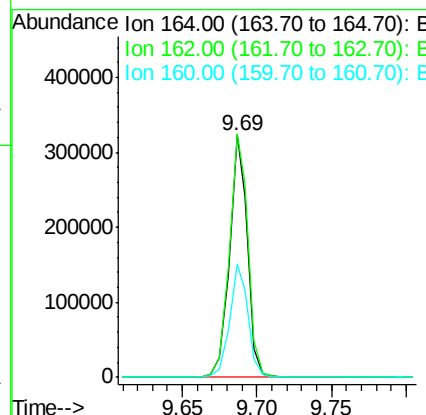
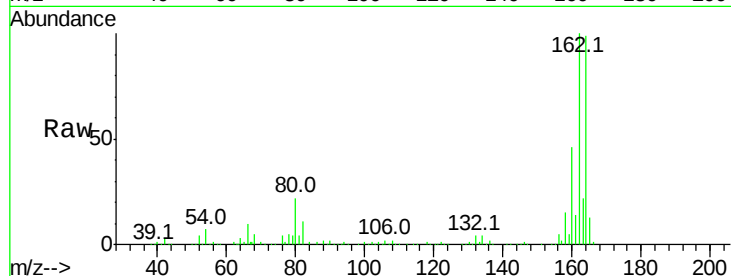
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.69 min Scan# 1292
 Delta R.T. -0.02 min
 Lab File: BF098507.D
 Acq: 13 Sep 2017 23:32

Instrument :
 BNA_F
 ClientSampleId :
 G-7-1

Tot Ion	Ratio	Resp	Lower	Upper
164	100	274275		
162	100.6	82.6	123.8	
160	46.7	36.2	54.2	

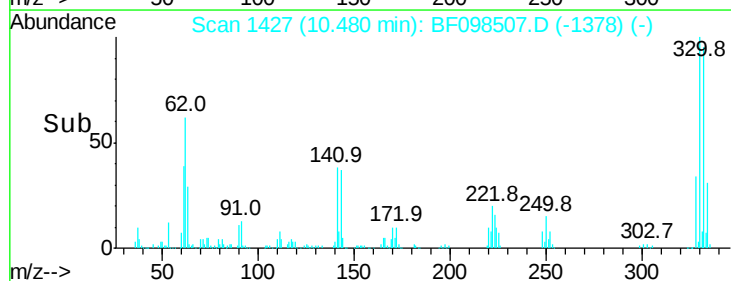
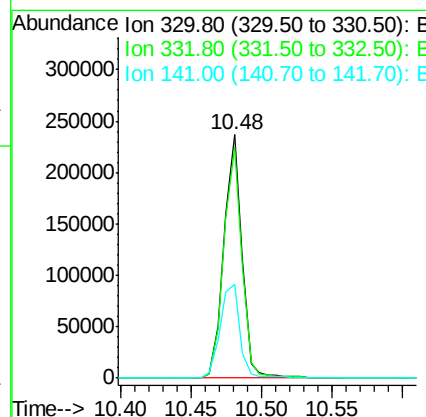
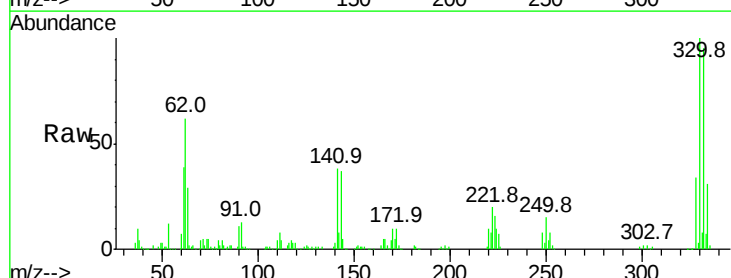
Manual Integrations
 APPROVED

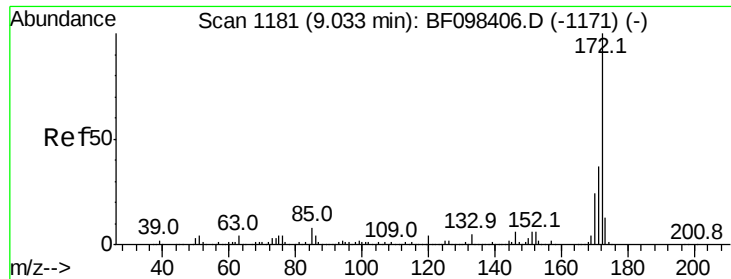
Sohil
 9/14/2017 5:52:57 PM



#41
 2,4,6-Tribromophenol
 Concen: 115.461 ng
 RT: 10.48 min Scan# 1427
 Delta R.T. -0.01 min
 Lab File: BF098507.D
 Acq: 13 Sep 2017 23:32

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	211358		
332	95.7	76.6	115.0	
141	42.6	31.4	47.2	





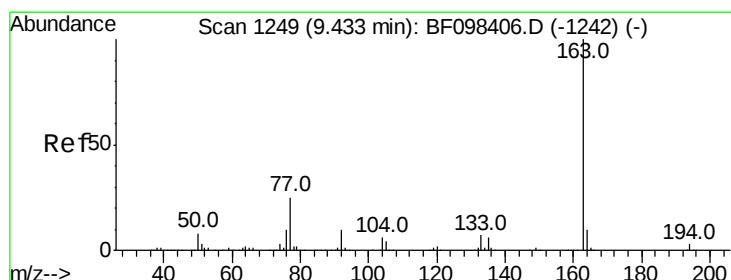
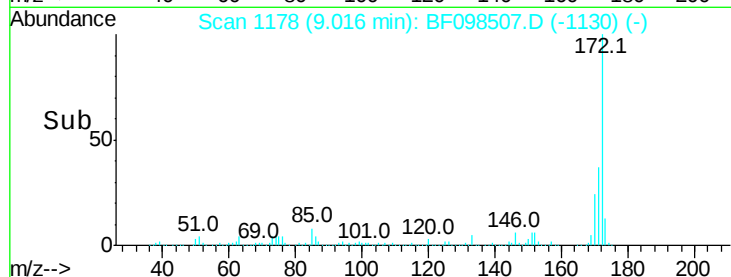
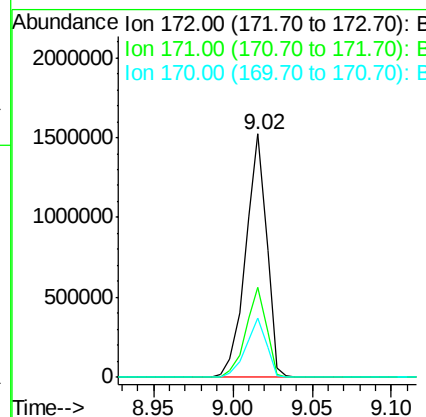
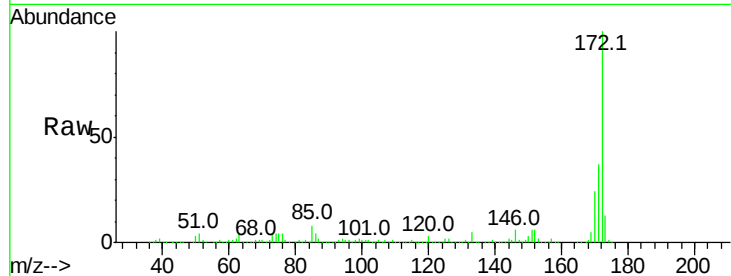
#44
2-Fluorobiphenyl
Concen: 85.829 ng
RT: 9.02 min Scan# 1178
Delta R.T. -0.02 min
Lab File: BF098507.D
Acq: 13 Sep 2017 23:32

Instrument :
BNA_F
ClientSampleId :
G-7-1

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.6	44.4
170	24.3	19.8	29.8

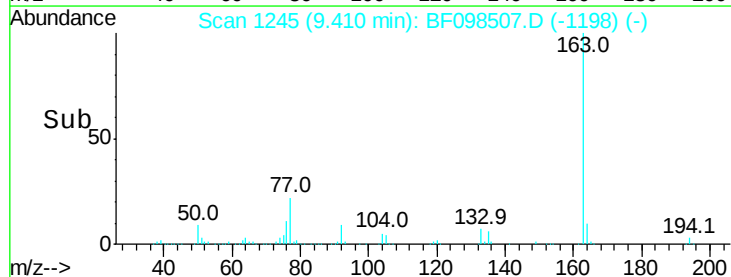
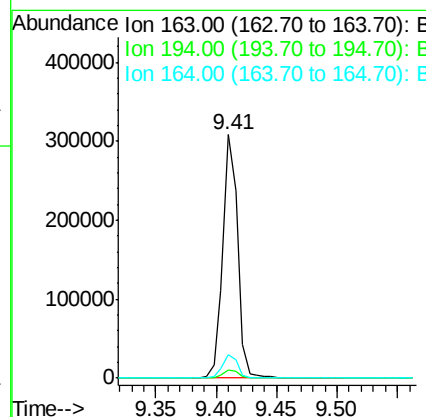
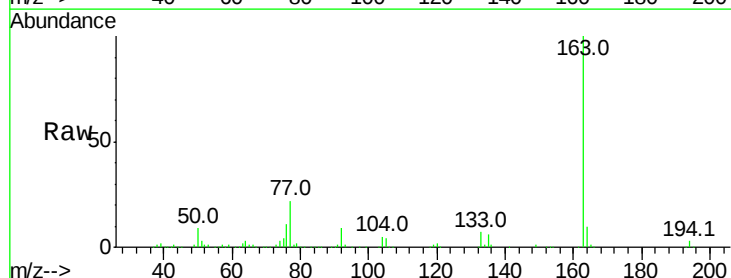
Manual Integrations
APPROVED

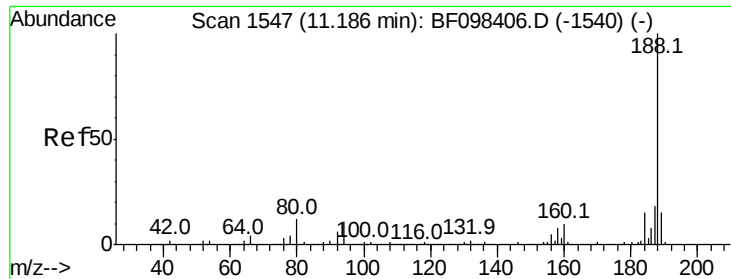
Sohil
9/14/2017 5:52:57 PM



#49
Dimethylphthalate
Concen: 12.216 ng
RT: 9.41 min Scan# 1245
Delta R.T. -0.02 min
Lab File: BF098507.D
Acq: 13 Sep 2017 23:32

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.1	2.6	4.0
164	9.6	8.4	12.6





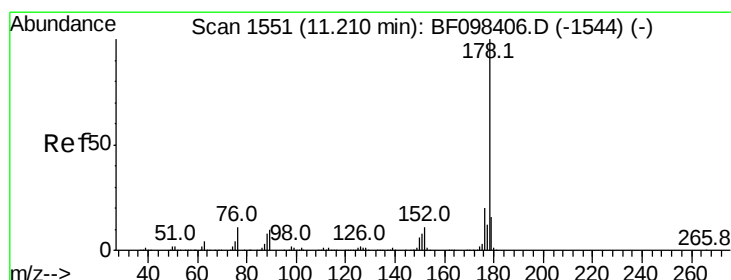
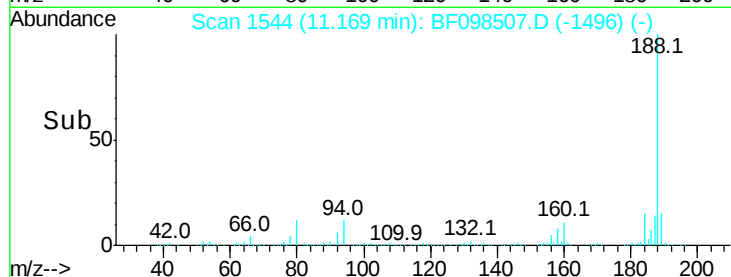
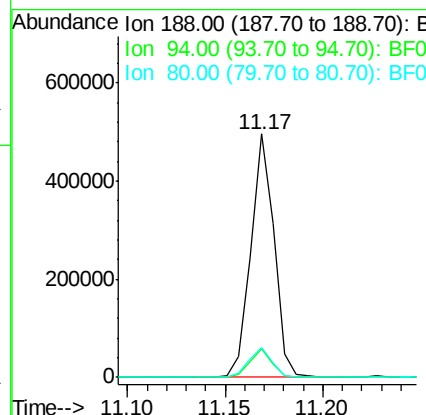
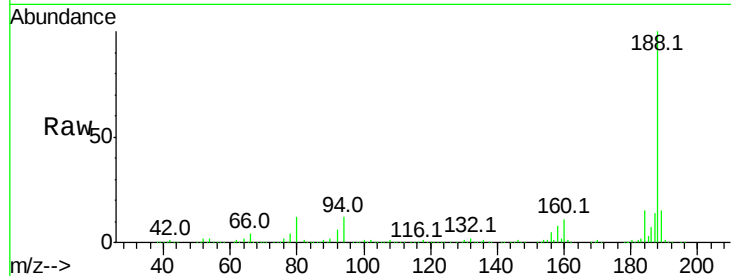
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.17 min Scan# 1544
 Delta R.T. -0.02 min
 Lab File: BF098507.D
 Acq: 13 Sep 2017 23:32

Instrument :
 BNA_F
 ClientSampled :
 G-7-1

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	11.6	9.4	14.2
80	12.2	10.2	15.2

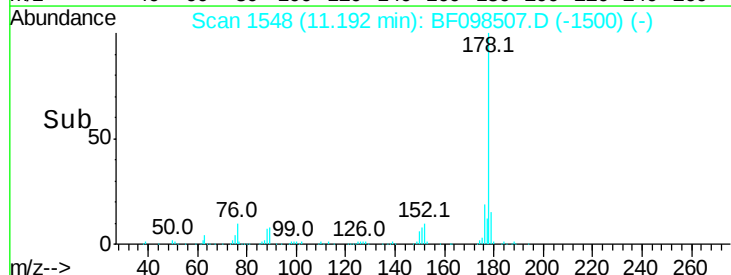
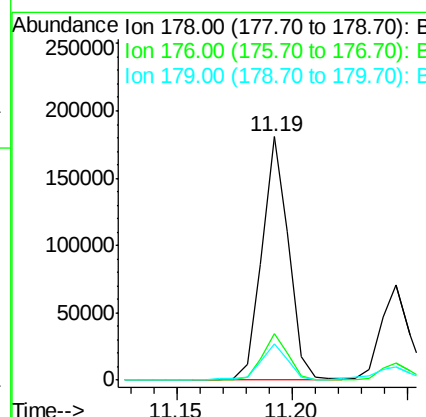
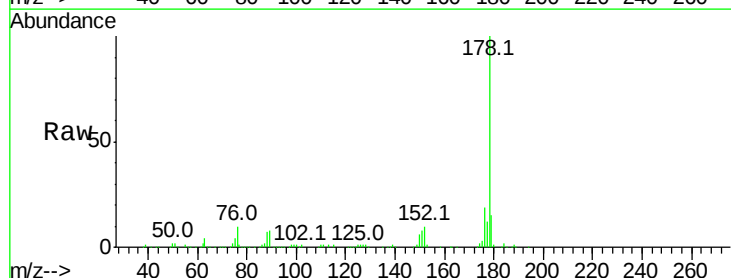
Manual Integrations
 APPROVED

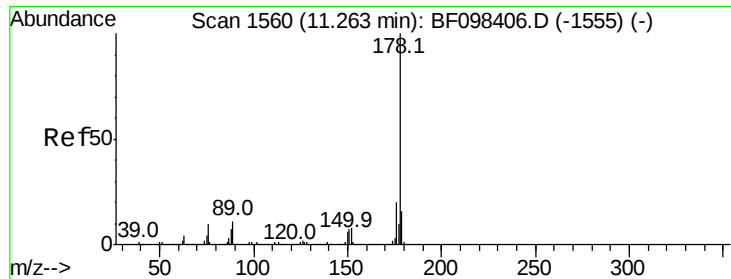
Sohil
 9/14/2017 5:52:57 PM



#70
 Phenanthrene
 Concen: 6.703 ng
 RT: 11.19 min Scan# 1548
 Delta R.T. -0.02 min
 Lab File: BF098507.D
 Acq: 13 Sep 2017 23:32

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.4	16.2	24.4
179	15.1	12.6	19.0





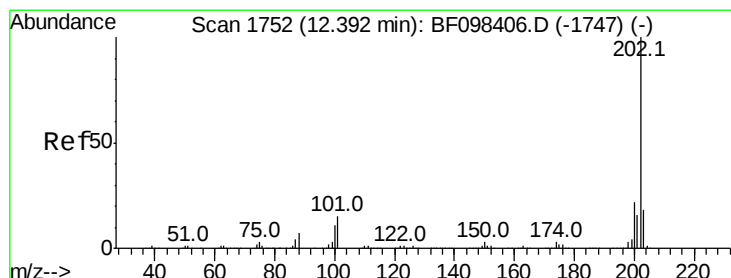
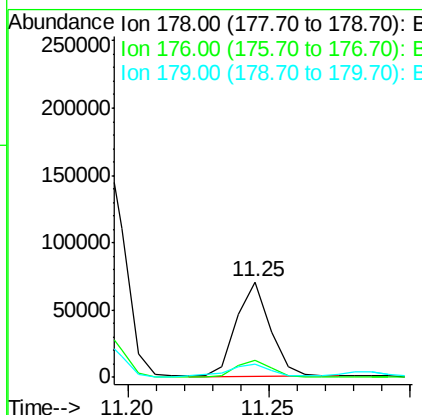
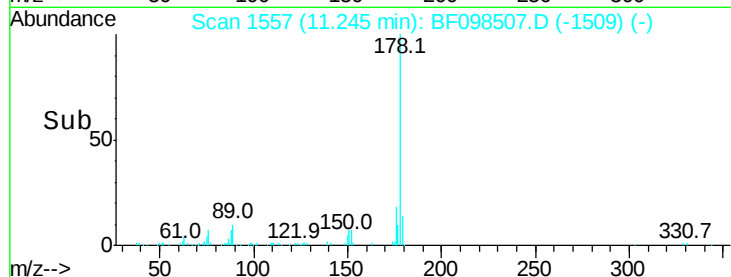
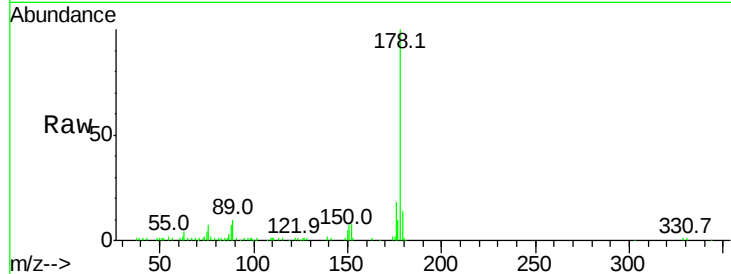
#71
 Anthracene
 Concen: 2.613 ng
 RT: 11.25 min Scan# 1557
 Delta R.T. -0.02 min
 Lab File: BF098507.D
 Acq: 13 Sep 2017 23:32

Instrument :
 BNA_F
 ClientSampled :
 G-7-1

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.8	23.8
179	14.4	12.7	19.1

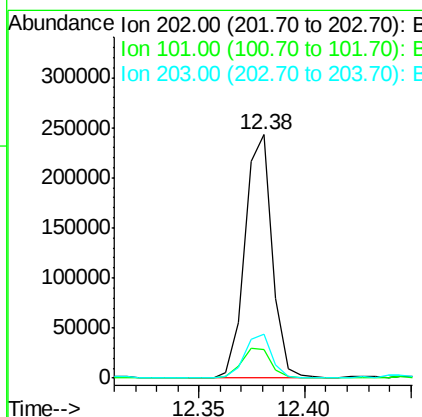
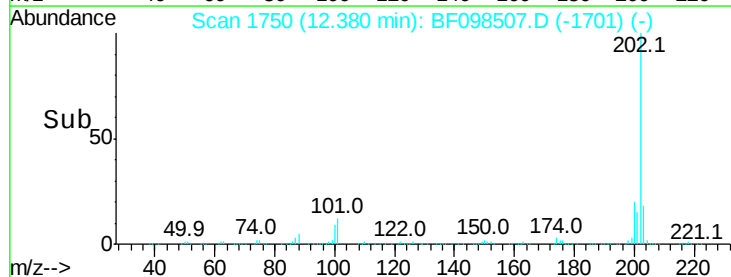
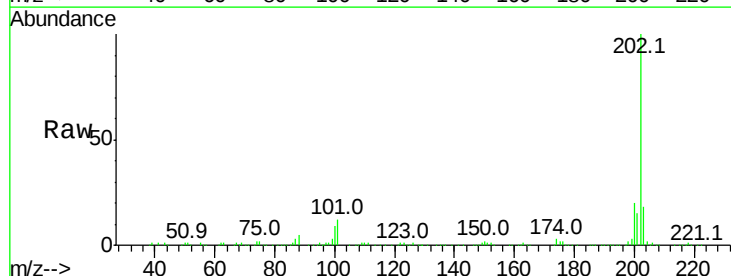
Manual Integrations
 APPROVED

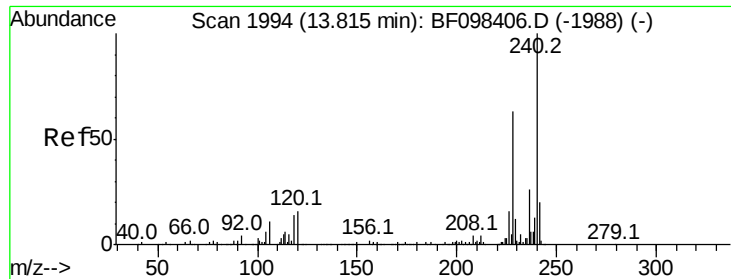
Sohil
 9/14/2017 5:52:57 PM



#74
 Fluoranthene
 Concen: 9.914 ng
 RT: 12.38 min Scan# 1750
 Delta R.T. -0.01 min
 Lab File: BF098507.D
 Acq: 13 Sep 2017 23:32

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	33.2
203	18.0	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.80 min Scan# 1992

Delta R.T. -0.01 min

Lab File: BF098507.D

Acq: 13 Sep 2017 23:32

Instrument :

BNA_F

ClientSampled :

G-7-1

Tot Ion:240 Resp: 340252

Ion Ratio Lower Upper

240 100

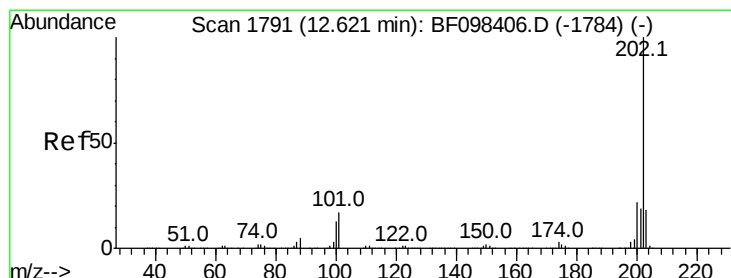
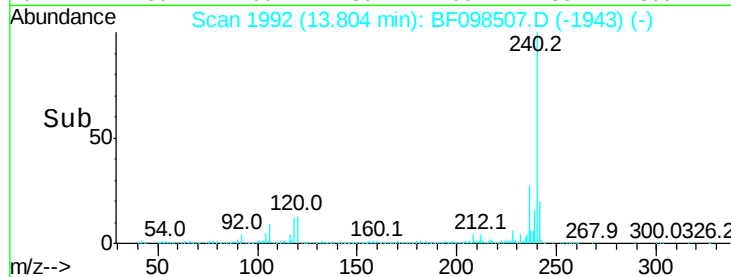
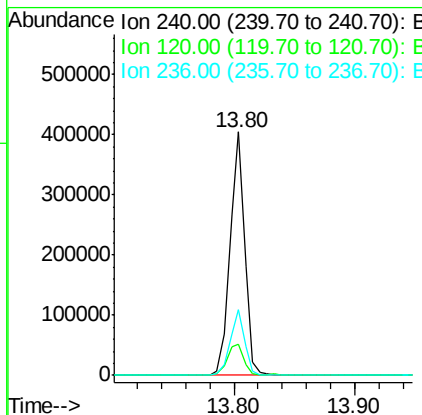
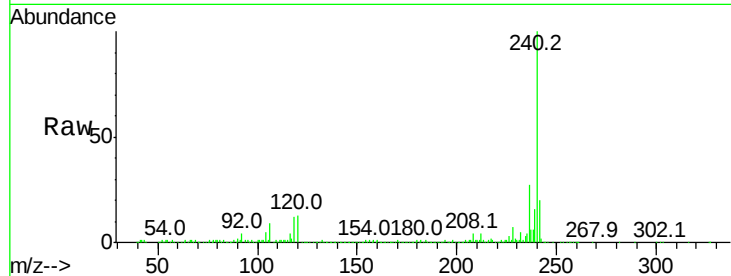
120 12.6 5.8 8.8#

236 27.2 20.5 30.7

Manual Integrations
APPROVED

Sohil

9/14/2017 5:52:57 PM



#77

Pyrene

Concen: 7.953 ng

RT: 12.60 min Scan# 1788

Delta R.T. -0.02 min

Lab File: BF098507.D

Acq: 13 Sep 2017 23:32

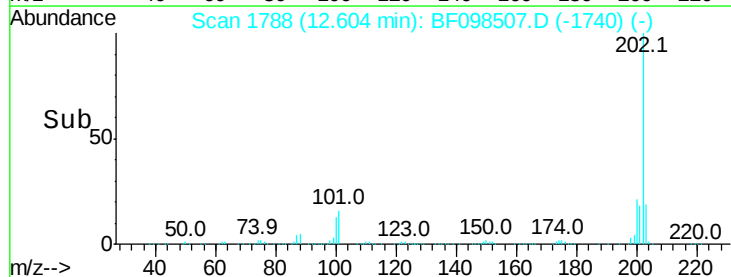
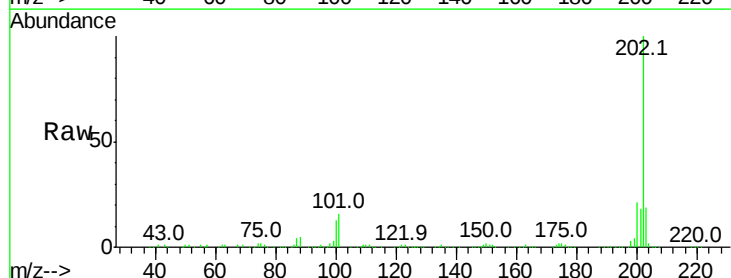
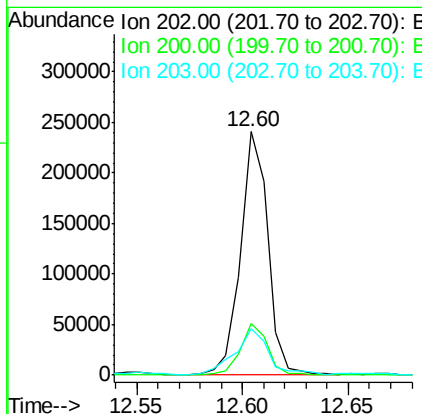
Tgt Ion:202 Resp: 213466

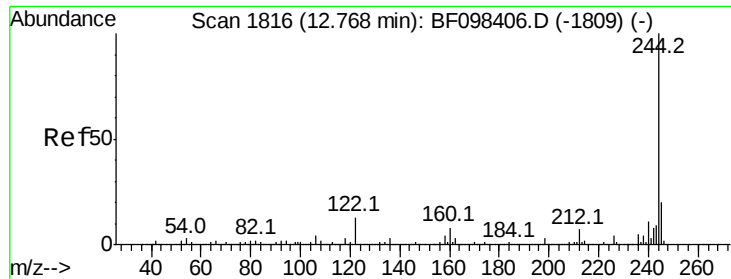
Ion Ratio Lower Upper

202 100

200 21.4 17.6 26.4

203 18.9 14.4 21.6





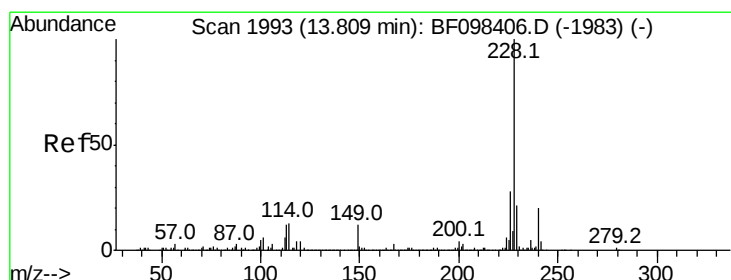
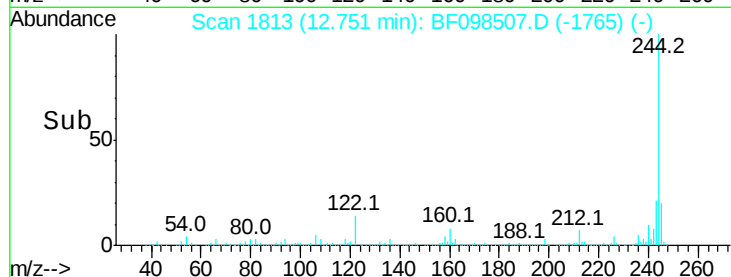
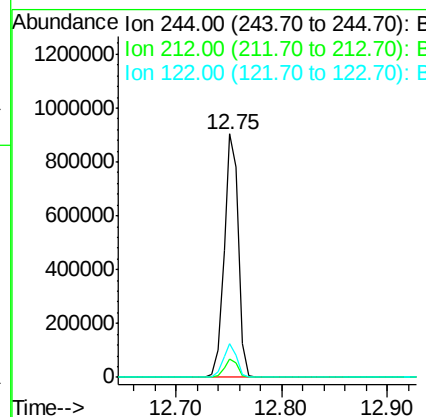
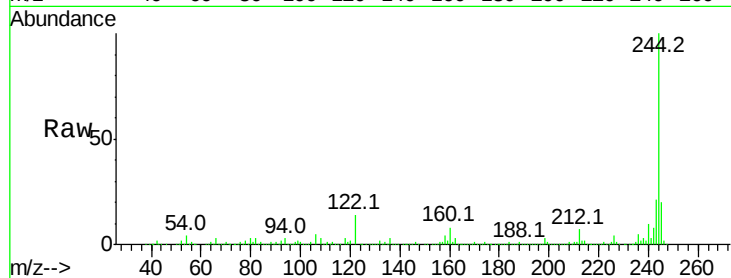
#78
 Terphenyl-d14
 Concen: 54.035 ng
 RT: 12.75 min Scan# 1813
 Delta R.T. -0.02 min
 Lab File: BF098507.D
 Acq: 13 Sep 2017 23:32

Instrument :
 BNA_F
 ClientSampleId :
 G-7-1

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.0	9.0
122	14.0	10.3	15.5

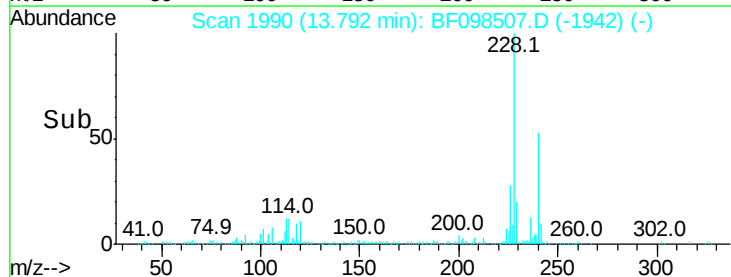
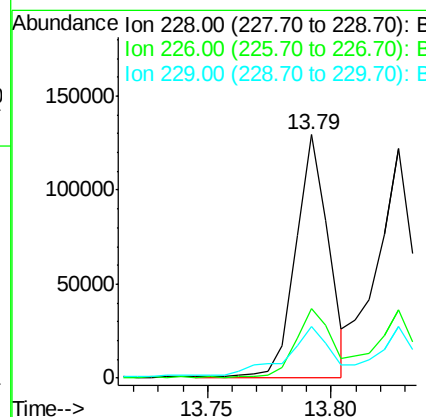
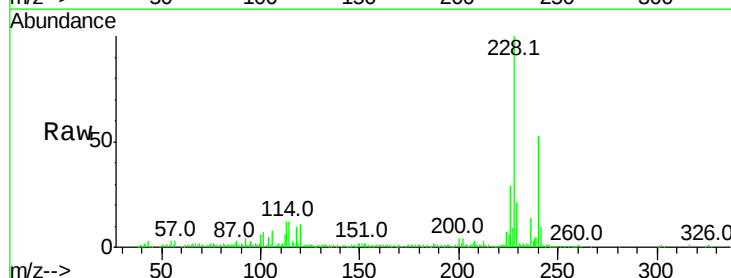
Manual Integrations
 APPROVED

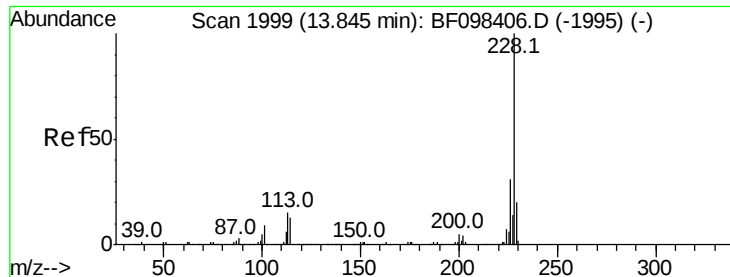
Sohil
 9/14/2017 5:52:57 PM



#80
 Benzo(a)anthracene
 Concen: 6.004 ng m
 RT: 13.79 min Scan# 1990
 Delta R.T. -0.02 min
 Lab File: BF098507.D
 Acq: 13 Sep 2017 23:32

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.6	33.8
229	21.0	16.3	24.5





#82

Chrysene

Concen: 6.011 ng/mL

RT: 13.83 min Scan# 1996

Delta R.T. -0.02 min

Lab File: BF098507.D

Acq: 13 Sep 2017 23:32

Instrument :

BNA_F

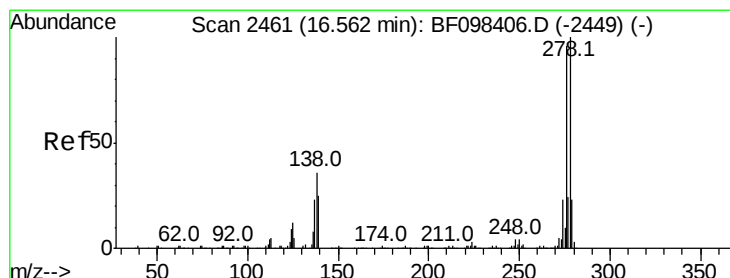
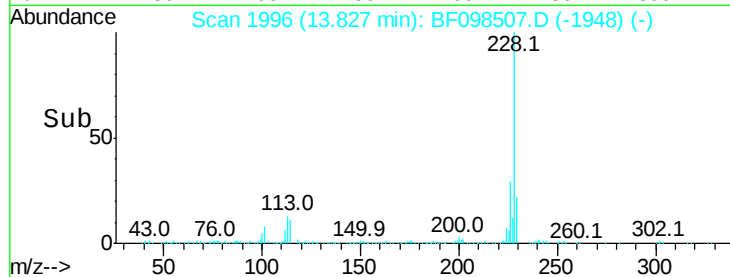
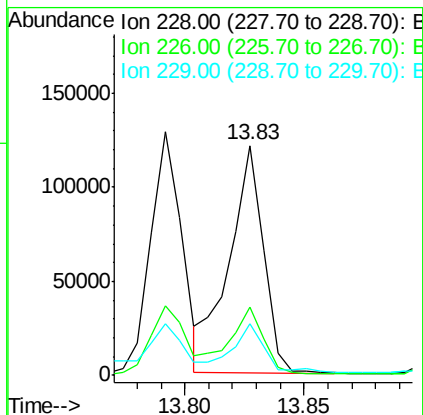
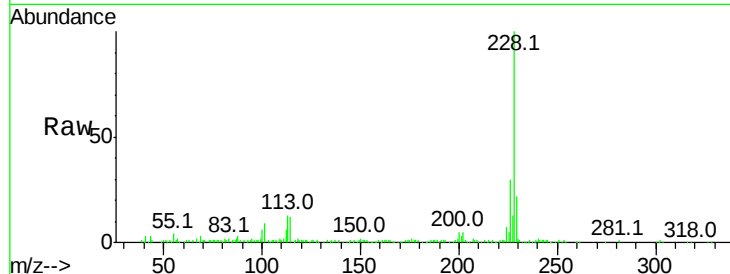
ClientSampleId :

G-7-1

Tot Ion:	228	Resp:	121213
Ion Ratio	Lower	Upper	
228	100		
226	29.9	24.9	37.3
229	22.5	15.8	23.6

Manual Integrations
APPROVED

Sohil
9/14/2017 5:52:57 PM



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.472 ng/mL

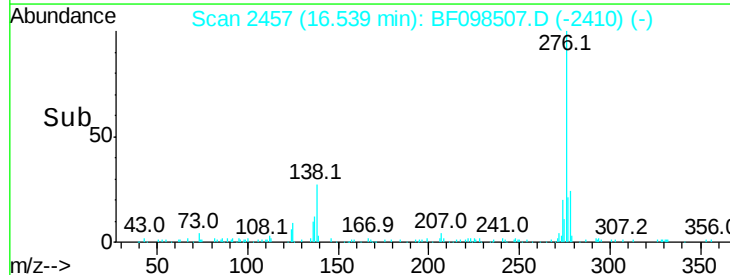
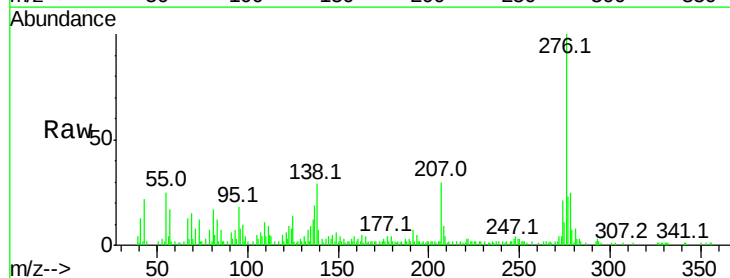
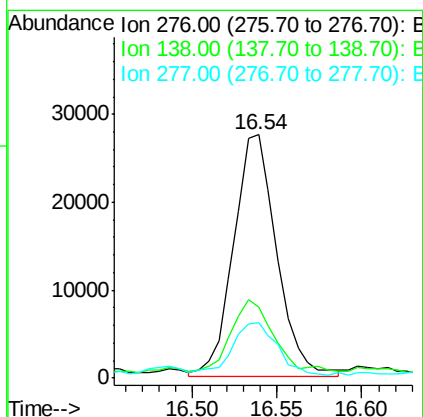
RT: 16.54 min Scan# 2457

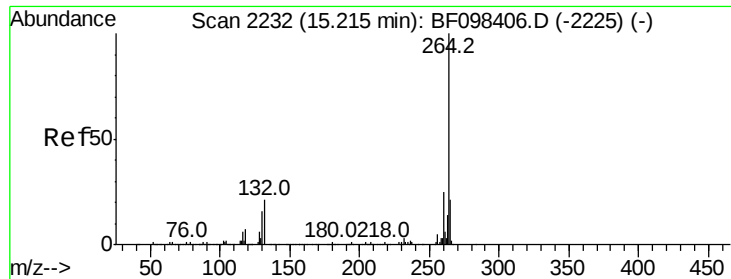
Delta R.T. -0.02 min

Lab File: BF098507.D

Acq: 13 Sep 2017 23:32

Tgt Ion:	276	Resp:	49123
Ion Ratio	Lower	Upper	
276	100		
138	29.5	27.8	41.6
277	22.1	20.2	30.4





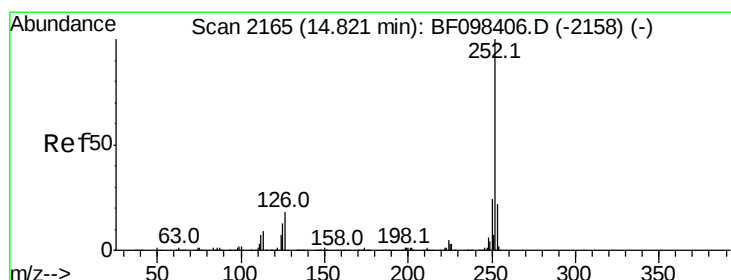
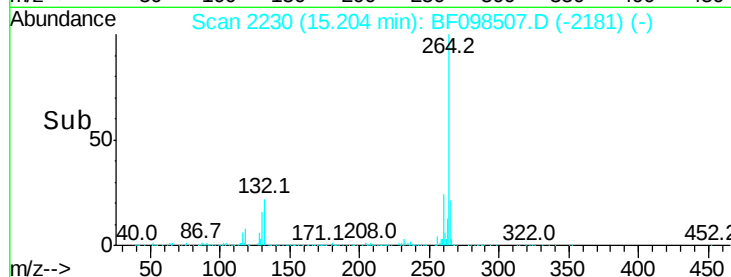
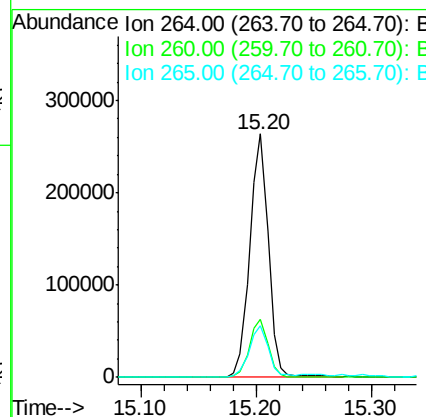
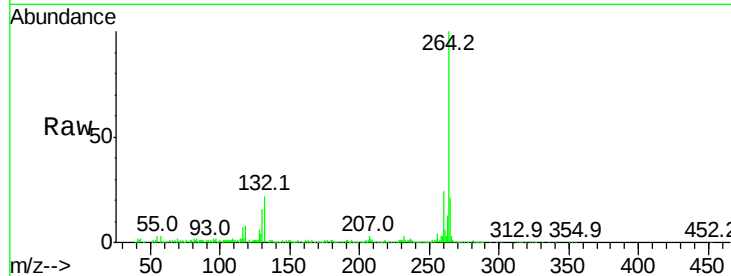
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.20 min Scan# 2230
Delta R.T. -0.01 min
Lab File: BF098507.D
Acq: 13 Sep 2017 23:32

Instrument :
BNA_F
ClientSampleId :
G-7-1

Tot Ion	Ratio	Resp Lower	Upper
264	100		
260	23.6	19.5	29.3
265	21.2	17.2	25.8

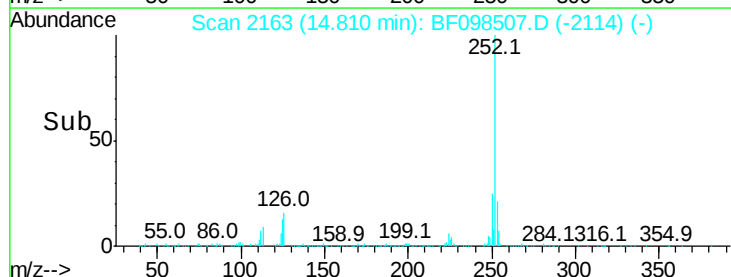
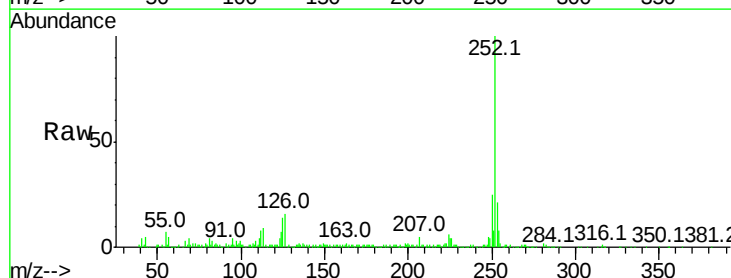
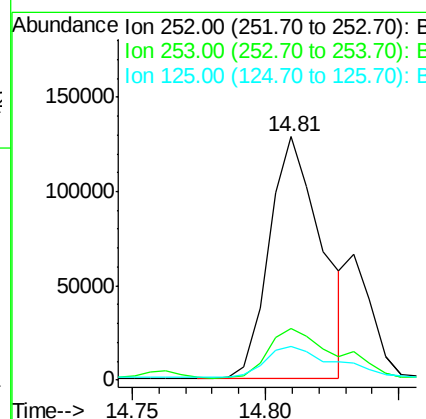
Manual Integrations
APPROVED

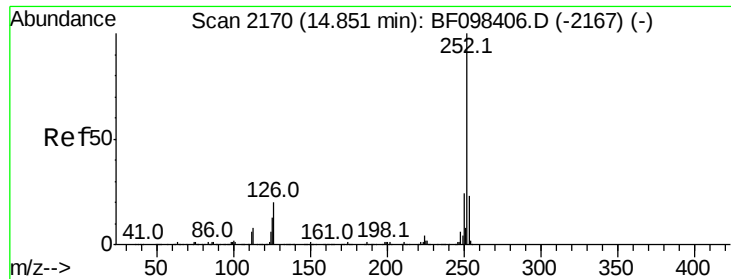
Sohil
9/14/2017 5:52:57 PM



#87
Benzo(b)fluoranthene
Concen: 9.424 ng m
RT: 14.81 min Scan# 2163
Delta R.T. -0.01 min
Lab File: BF098507.D
Acq: 13 Sep 2017 23:32

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	21.4	18.1	27.1
125	14.1	9.8	14.8





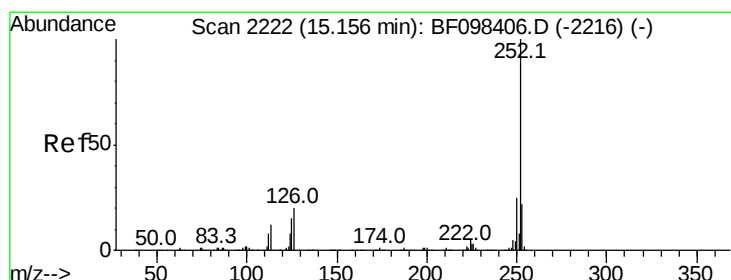
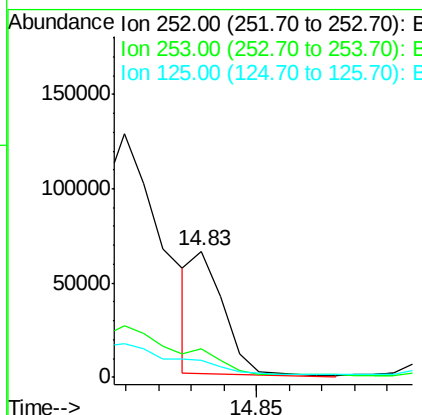
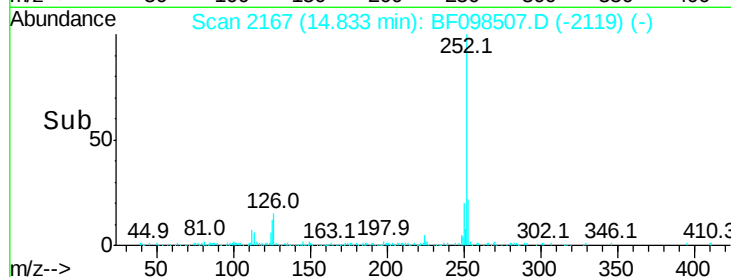
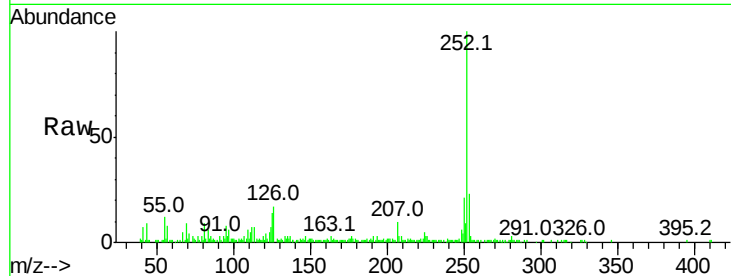
#88
Benzo(k)fluoranthene
Concen: 2.478 ng
RT: 14.83 min Scan# 2167
Delta R.T. -0.02 min
Lab File: BF098507.D
Acq: 13 Sep 2017 23:32

Instrument :
BNA_F
ClientSampleId :
G-7-1

Tot Ion:	252	Resp:	43005
Ion Ratio	Lower	Upper	
252	100		
253	22.7	18.4	27.6
125	14.0	13.1	19.7

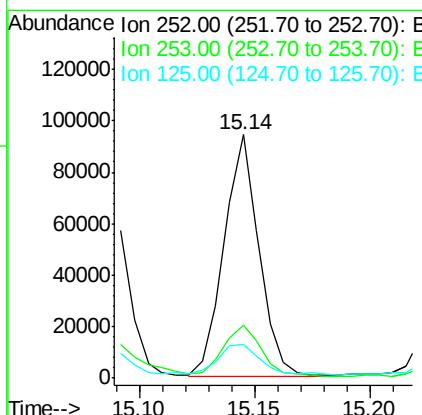
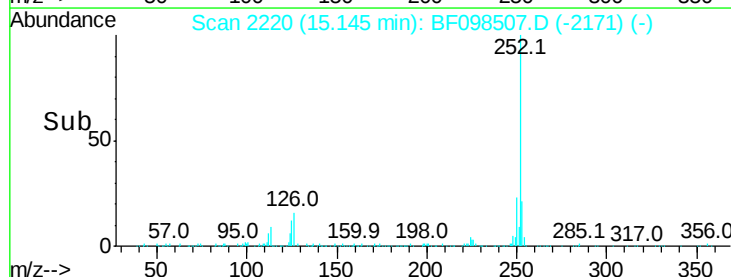
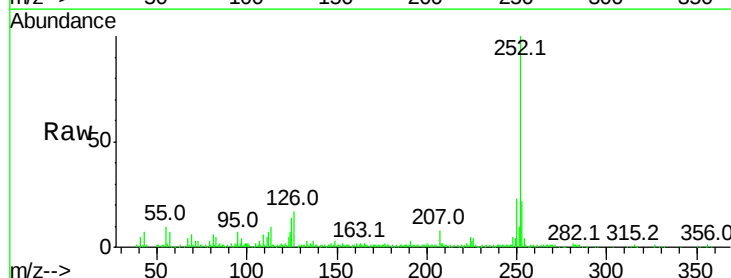
Manual Integrations
APPROVED

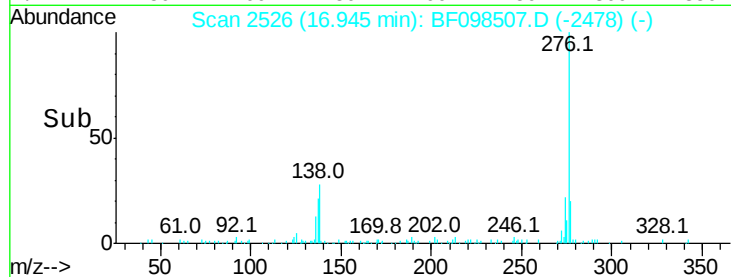
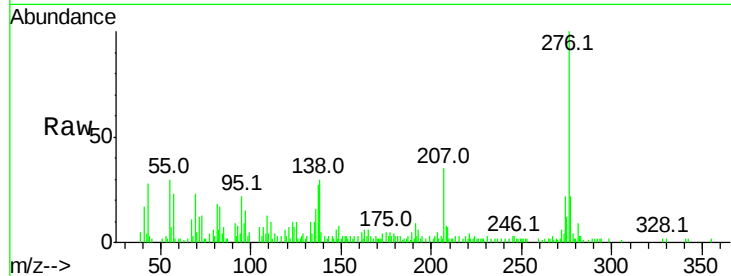
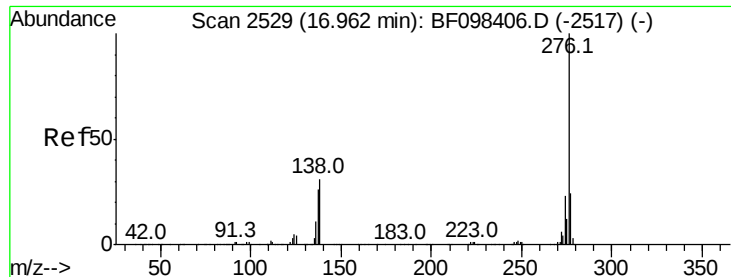
Sohil
9/14/2017 5:52:57 PM



#89
Benzo(a)pyrene
Concen: 6.019 ng
RT: 15.14 min Scan# 2220
Delta R.T. -0.01 min
Lab File: BF098507.D
Acq: 13 Sep 2017 23:32

Tgt Ion:	252	Resp:	99670
Ion Ratio	Lower	Upper	
252	100		
253	21.6	17.5	26.3
125	13.8	11.0	16.4





#91
 Benzo(a,h,i)perylene
 Concen: 3.614 ng
 RT: 16.94 min Scan# 2526
 Delta R.T. -0.02 min
 Lab File: BF098507.D
 Acq: 13 Sep 2017 23:32

Instrument :
 BNA_F
 ClientSampleId :
 G-7-1

Tot Ion	Ratio	Lower	Upper
276	100		
277	22.1	18.6	28.0
138	30.4	25.4	38.0

Manual Integrations
 APPROVED

Sohil
 9/14/2017 5:52:57 PM

