

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080917\
 Data File : BF097525.D
 Acq On : 9 Aug 2017 19:43
 Operator : SJ/JU
 Sample : I4681-04
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-18-COMP

Manual Integrations
 APPROVED

Sohil
 8/10/2017 6:07:33 PM

Quant Time: Aug 10 04:51:05 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 07 16:02:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.40	152	107902	20.00	ng	-0.01
21) Naphthalene-d8	7.68	136	417336	20.00	ng	-0.02
38) Acenaphthene-d10	9.42	164	196639	20.00	ng	-0.02
63) Phenanthrene-d10	10.90	188	277189	20.00	ng	-0.02
75) Chrysene-d12	13.52	240	172665	20.00	ng	-0.02
86) Perylene-d12	14.86	264	170319	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.99	112	703515	98.29	ng	-0.01
7) Phenol-d6	6.07	99	834325	102.10	ng	-0.02
23) Nitrobenzene-d5	6.97	82	491359	69.07	ng	-0.02
41) 2,4,6-Tribromophenol	10.22	330	140341	90.33	ng	-0.02
44) 2-Fluorobiphenyl	8.76	172	712234	61.47	ng	-0.02
78) Terphenyl-d14	12.48	244	444982	52.54	ng	-0.02
Target Compounds						
49) Dimethylphthalate	9.16	163	182981	12.254	ng	98
70) Phenanthrene	10.92	178	232198	15.634	ng	97
71) Anthracene	10.97	178	49766	3.272	ng	97
74) Fluoranthene	12.10	202	214927	14.772	ng	98
77) Pyrene	12.33	202	196313	13.888	ng	99
80) Benzo(a)anthracene	13.51	228	71222	6.375	ng	98
82) Chrysene	13.54	228	61951	5.679	ng	97
83) Bis(2-ethylhexyl)phthalate	13.52	149	43749	4.660	ng	98
85) Indeno(1,2,3-cd)pyrene	16.05	276	39315	4.203	ng	96
87) Benzo(b)fluoranthene	14.52	252	79742m	7.789	ng	
89) Benzo(a)pyrene	14.81	252	61440	6.557	ng	98
91) Benzo(a,h,i)perylene	16.40	276	39379	4.887	ng	95

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

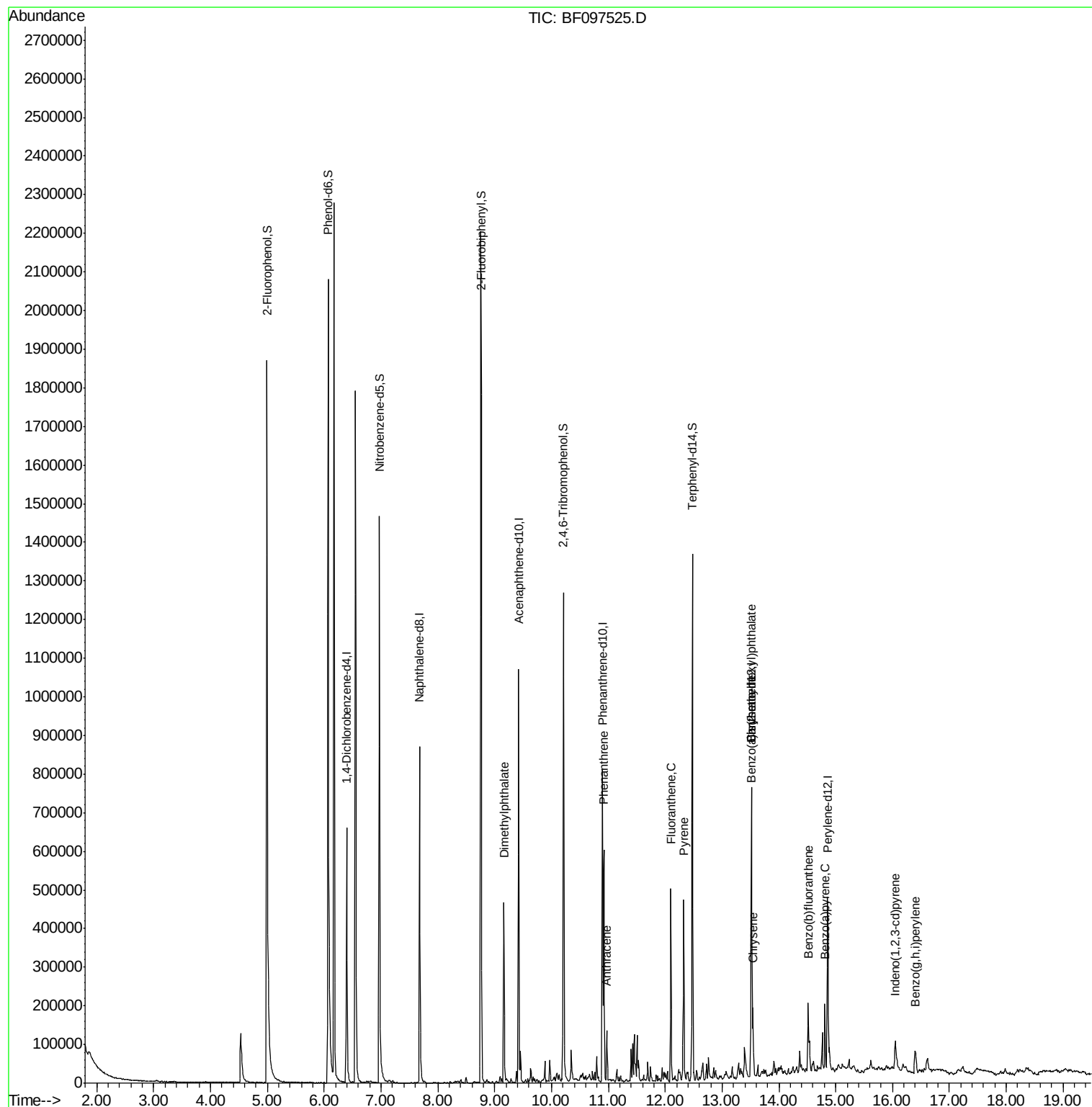
Data Path : Z:\HPCHEM1\BNA F\DATA\BF080917\
Data File : BF097525.D
Acq On : 9 Aug 2017 19:43
Operator : SJ/JU
Sample : I4681-04
Misc :
ALS Vial : 4 Sample Multiplier: 1

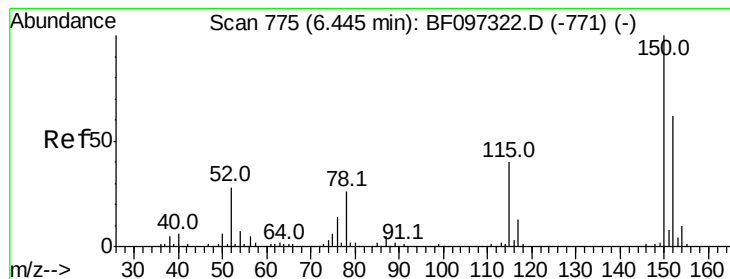
Instrument :
BNA_F
ClientSampleId :
SB-18-COMP

Manual Integrations
APPROVED

Sohil
8/10/2017 6:07:33 PM

Quant Time: Aug 10 04:51:05 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 07 16:02:51 2017
Response via : Initial Calibration





#1

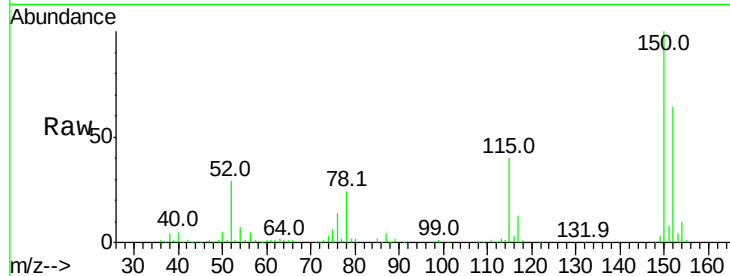
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.40 min Scan# 784
Delta R.T. -0.01 min
Lab File: BF097525.D
Acq: 9 Aug 2017 19:43

Instrument :
BNA_F
ClientSampleId :
SB-18-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.4	126.2	189.2
115	61.9	52.2	78.2

Manual Integrations
APPROVED

Sohil
8/10/2017 6:07:33 PM

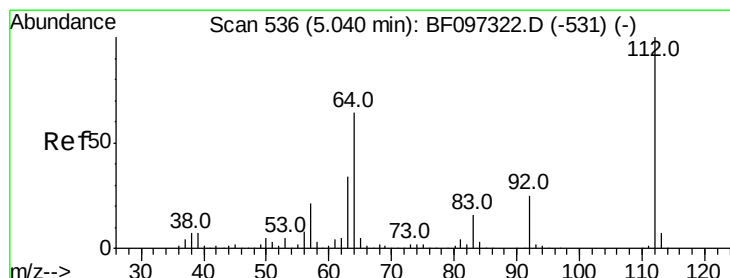
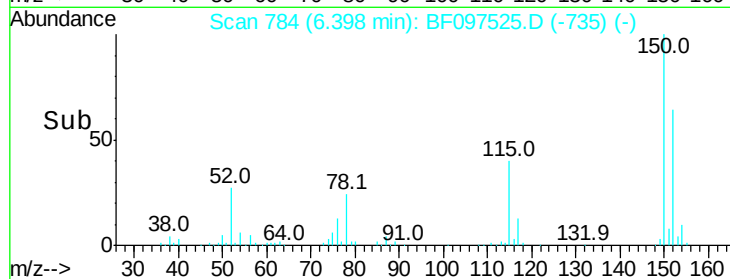
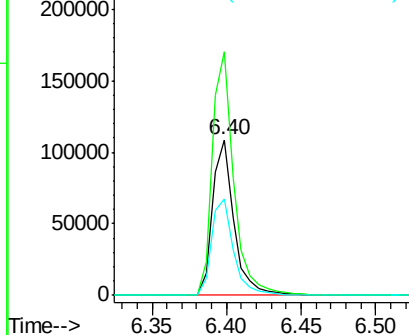


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

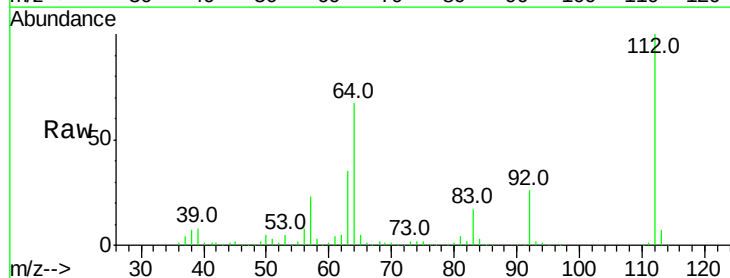
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 98.287 ng
RT: 4.99 min Scan# 545
Delta R.T. -0.01 min
Lab File: BF097525.D
Acq: 9 Aug 2017 19:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.0	46.0	69.0
63	34.5	23.4	35.0

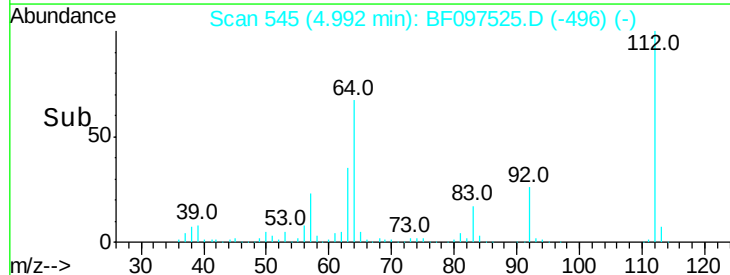
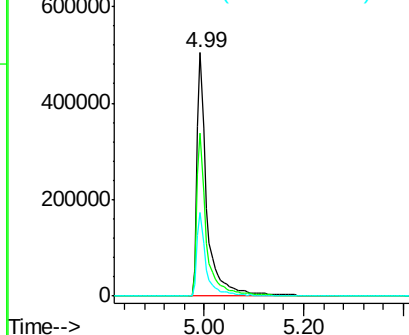


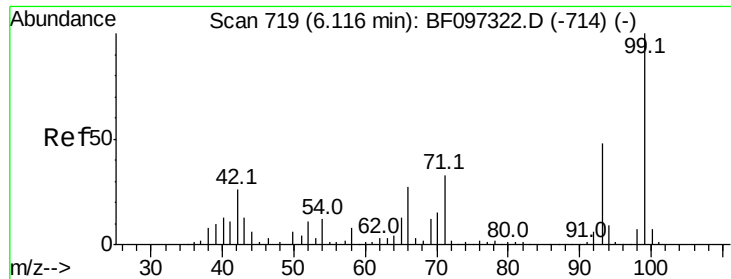
Abundance

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: 102.103 ng

RT: 6.07 min Scan# 728

Delta R.T. -0.02 min

Lab File: BF097525.D

Acq: 9 Aug 2017 19:43

Instrument :

BNA_F

ClientSampleId :

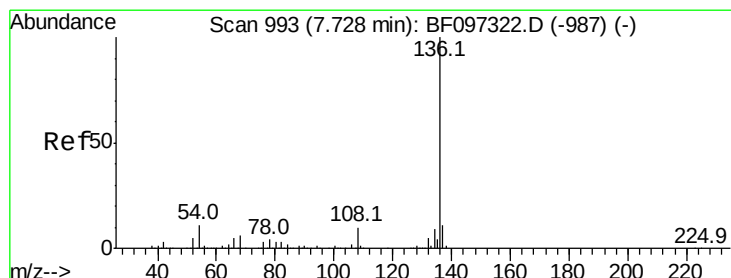
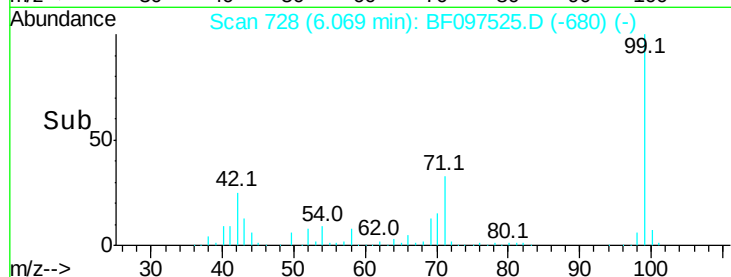
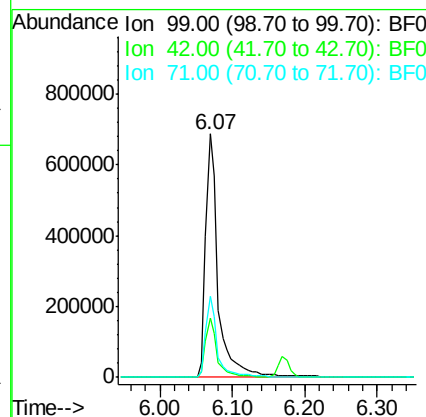
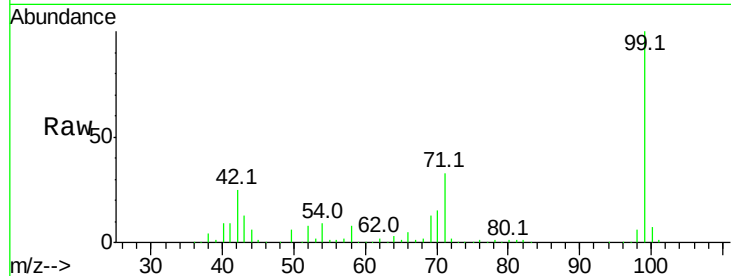
SB-18-COMP

Tot Ion: 99 Resp: 834325

Ion	Ratio	Lower	Upper
99	100		
42	24.6	13.5	20.3#
71	33.3	24.5	36.7

Manual Integrations
APPROVED

Sohil
8/10/2017 6:07:33 PM



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.68 min Scan# 1002

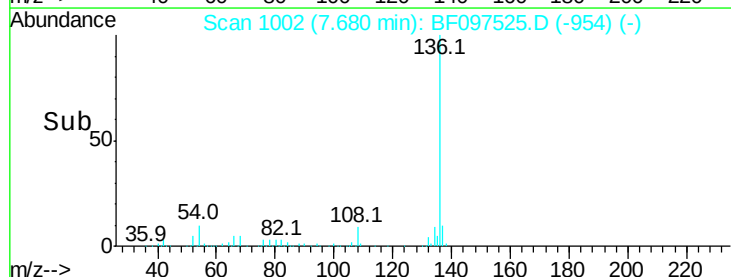
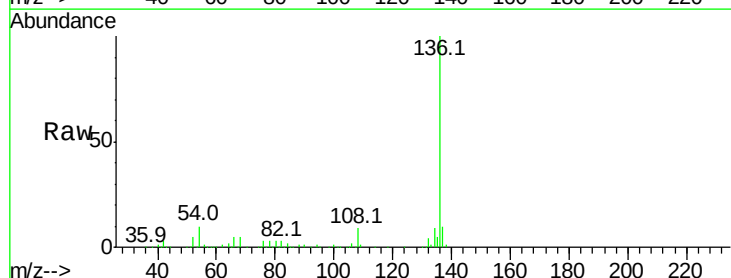
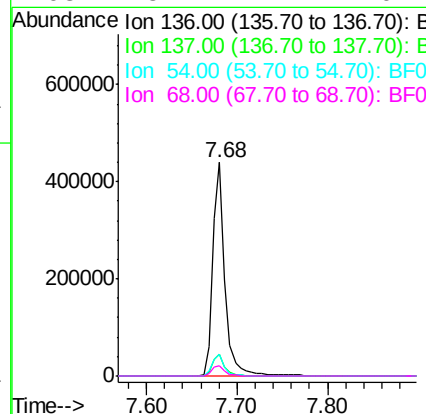
Delta R.T. -0.02 min

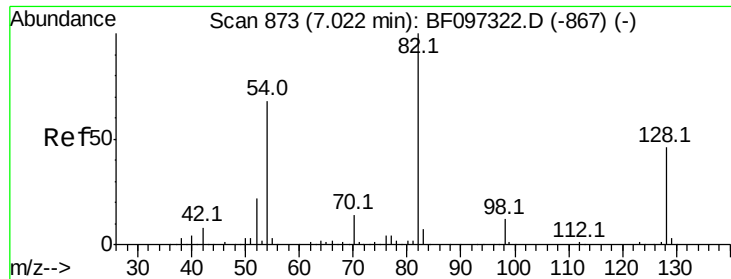
Lab File: BF097525.D

Acq: 9 Aug 2017 19:43

Tgt Ion: 136 Resp: 417336

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.5	12.7
54	10.0	4.9	7.3#
68	5.1	4.1	6.1





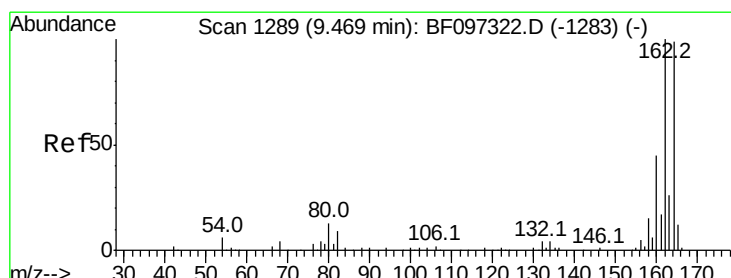
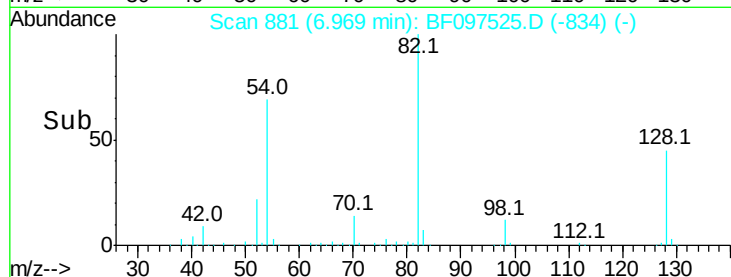
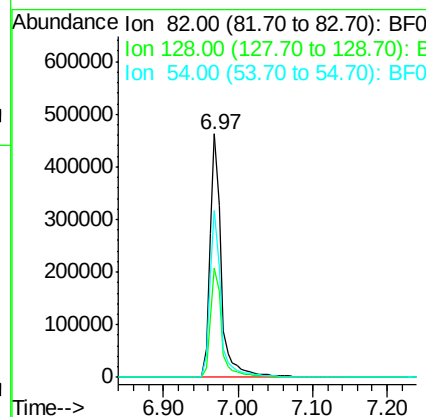
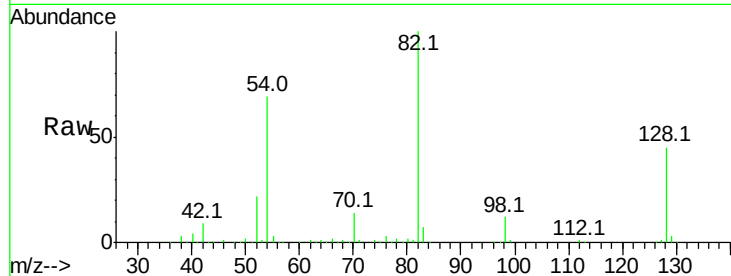
#23
 Nitrobenzene-d5
 Concen: 69.069 ng
 RT: 6.97 min Scan# 881
 Delta R.T. -0.02 min
 Lab File: BF097525.D
 Acq: 9 Aug 2017 19:43

Instrument :
 BNA_F
 ClientSampleId :
 SB-18-COMP

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.7	34.0	51.0
54	68.8	42.2	63.2

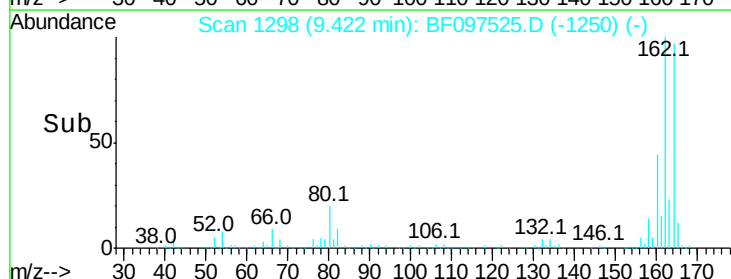
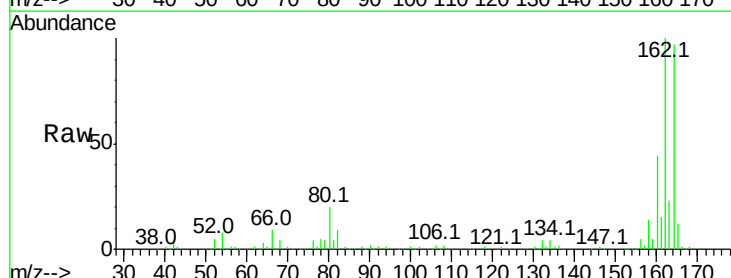
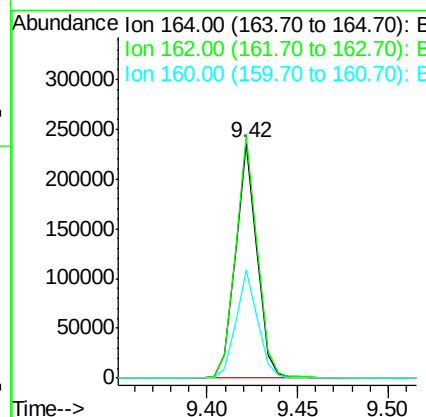
Manual Integrations
 APPROVED

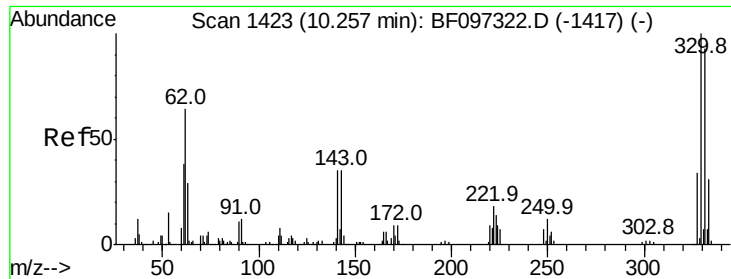
Sohil
 8/10/2017 6:07:33 PM



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.42 min Scan# 1298
 Delta R.T. -0.02 min
 Lab File: BF097525.D
 Acq: 9 Aug 2017 19:43

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.6	82.6	123.8
160	45.7	36.2	54.2





#41

2,4,6-Tribromophenol

Concen: 90.331 ng

RT: 10.22 min Scan# 1433

Delta R.T. -0.02 min

Lab File: BF097525.D

Acq: 9 Aug 2017 19:43

Instrument :

BNA_F

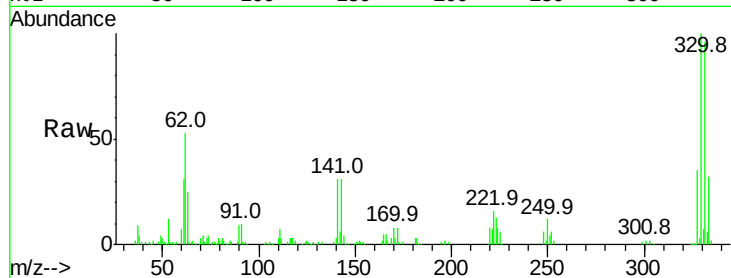
ClientSampleId :

SB-18-COMP

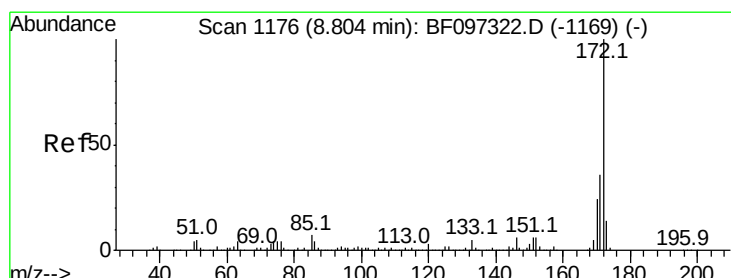
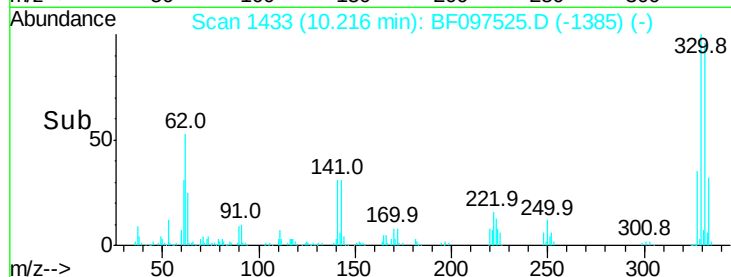
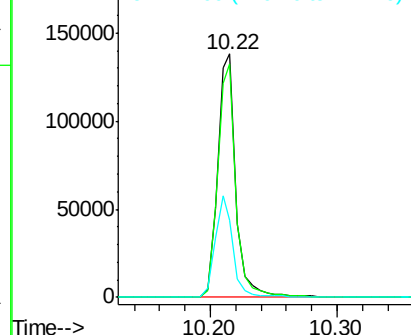
Tot Ion:	330	Resp:	140341
Ion Ratio	Lower	Upper	
330	100		
332	96.2	76.6	115.0
141	40.3	31.4	47.2

Manual Integrations
APPROVED

Sohil
8/10/2017 6:07:33 PM



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: 61.469 ng

RT: 8.76 min Scan# 1185

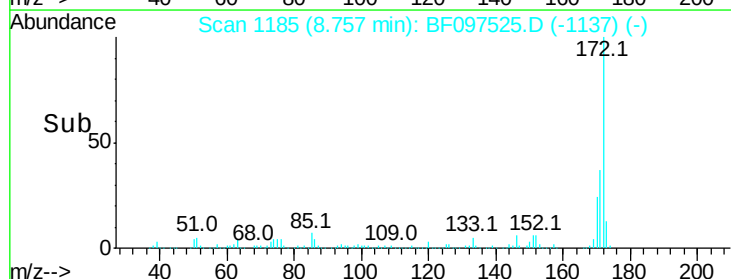
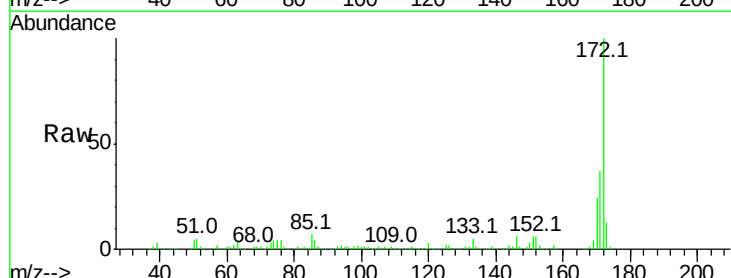
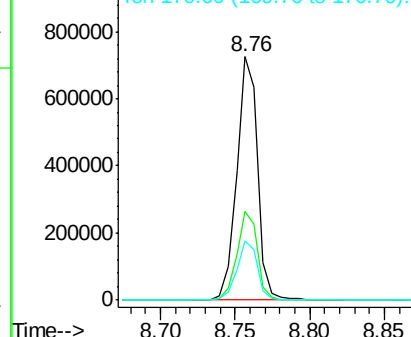
Delta R.T. -0.02 min

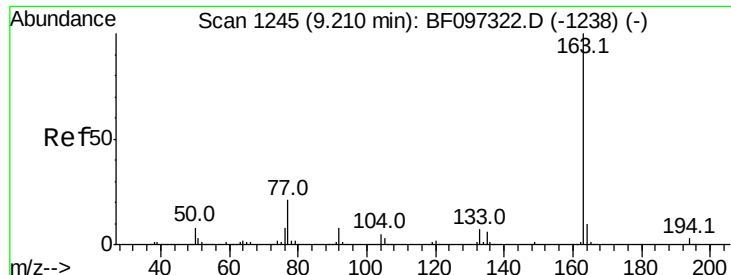
Lab File: BF097525.D

Acq: 9 Aug 2017 19:43

Tgt Ion:	172	Resp:	712234
Ion Ratio	Lower	Upper	
172	100		
171	36.6	29.6	44.4
170	24.1	19.8	29.8

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





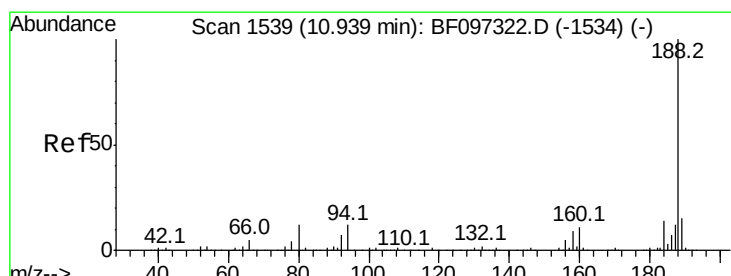
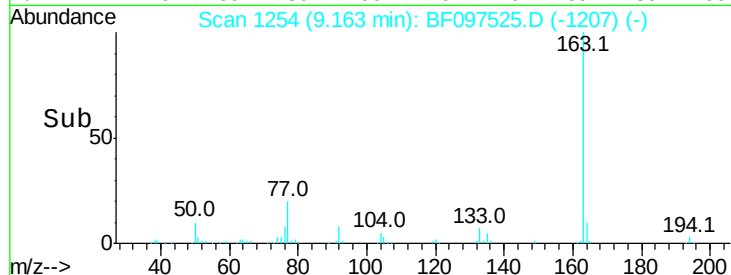
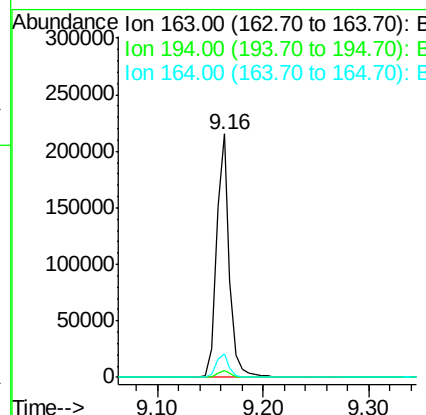
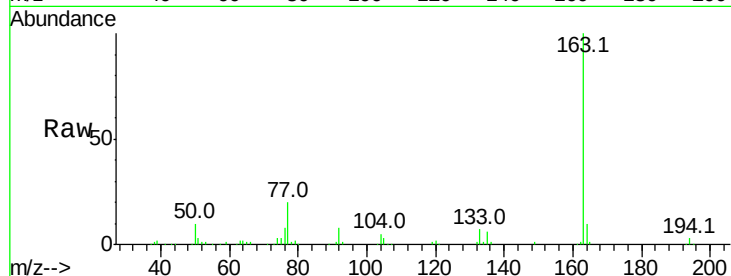
#49
 Dimethylphthalate
 Concen: 12.254 ng
 RT: 9.16 min Scan# 1254
 Delta R.T. -0.02 min
 Lab File: BF097525.D
 Acq: 9 Aug 2017 19:43

Instrument :
 BNA_F
 ClientSampleId :
 SB-18-COMP

Tot Ion	Ratio	Resp	Lower	Upper
163	100	182981		
194	2.9		2.6	4.0
164	9.8		8.4	12.6

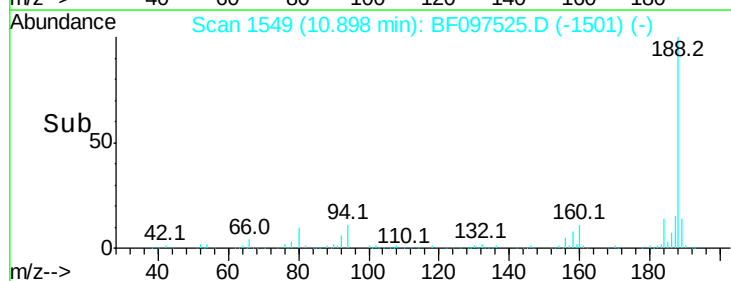
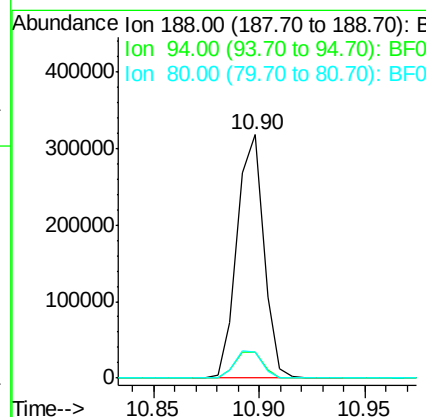
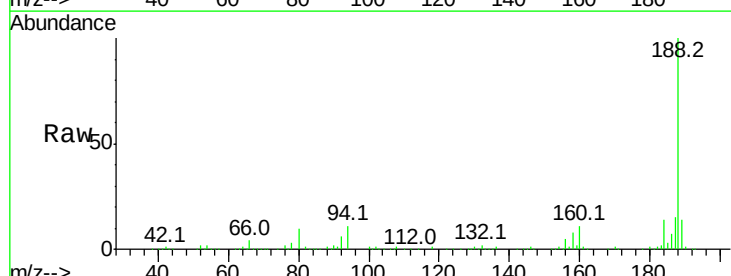
Manual Integrations
 APPROVED

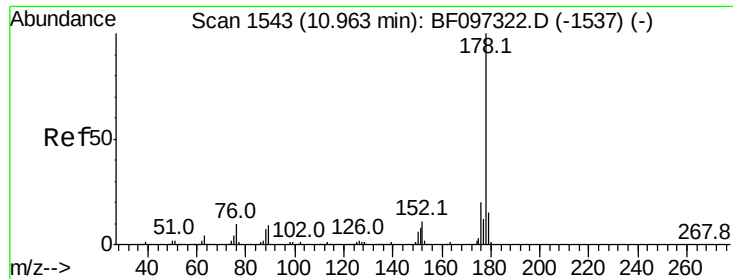
Sohil
 8/10/2017 6:07:33 PM



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 10.90 min Scan# 1549
 Delta R.T. -0.02 min
 Lab File: BF097525.D
 Acq: 9 Aug 2017 19:43

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	277189		
94	10.6		9.4	14.2
80	10.5		10.2	15.2





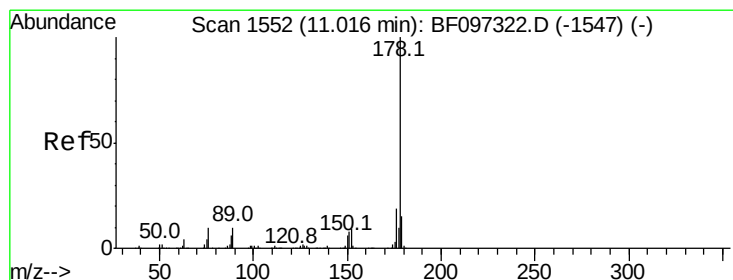
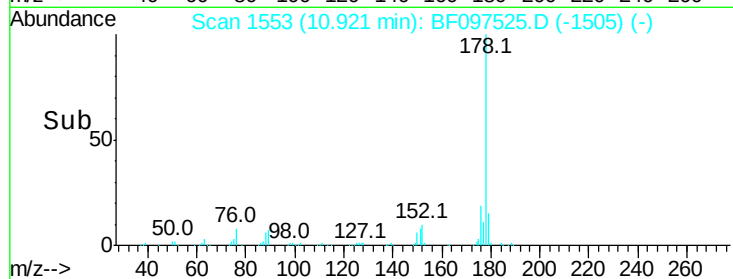
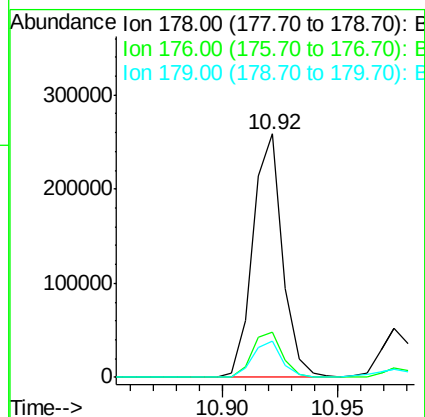
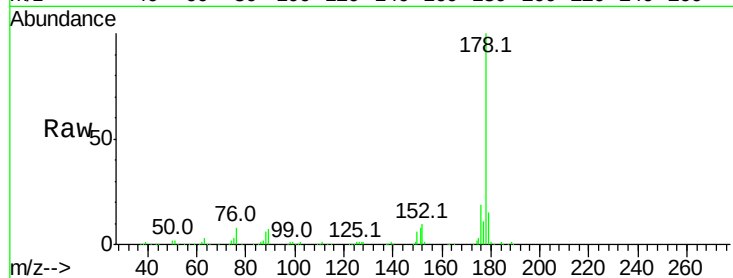
#70
Phenanthrene
Concen: 15.634 ng
RT: 10.92 min Scan# 1553
Delta R.T. -0.02 min
Lab File: BF097525.D
Acq: 9 Aug 2017 19:43

Instrument :
BNA_F
ClientSampleId :
SB-18-COMP

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	16.2	24.4
179	15.0	12.6	19.0

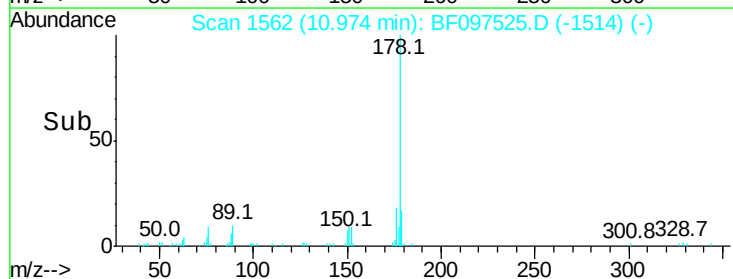
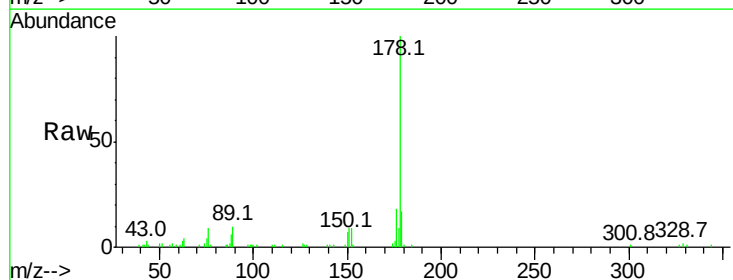
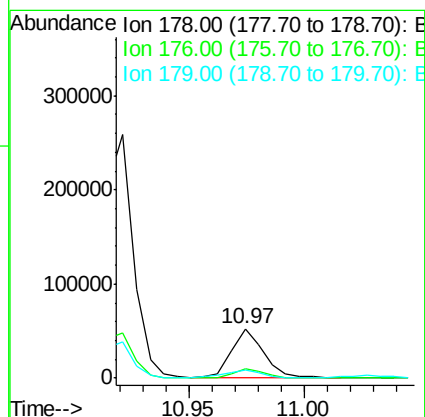
Manual Integrations
APPROVED

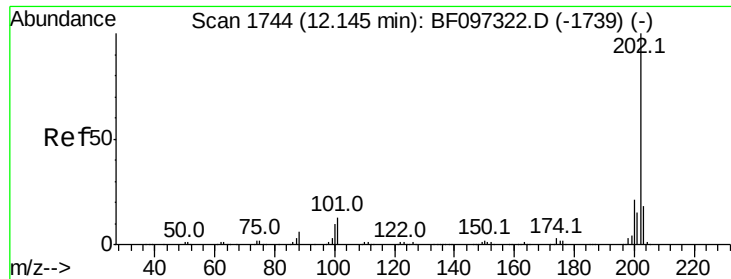
Sohil
8/10/2017 6:07:33 PM



#71
Anthracene
Concen: 3.272 ng
RT: 10.97 min Scan# 1562
Delta R.T. -0.02 min
Lab File: BF097525.D
Acq: 9 Aug 2017 19:43

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.8	23.8
179	17.1	12.7	19.1





#74

Fluoranthene

Concen: 14.772 ng

RT: 12.10 min Scan# 1754

Delta R.T. -0.01 min

Lab File: BF097525.D

Acq: 9 Aug 2017 19:43

Instrument :

BNA_F

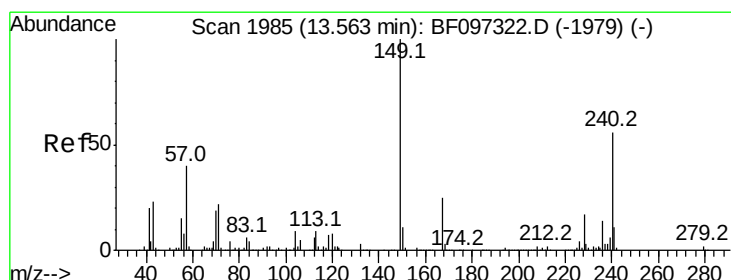
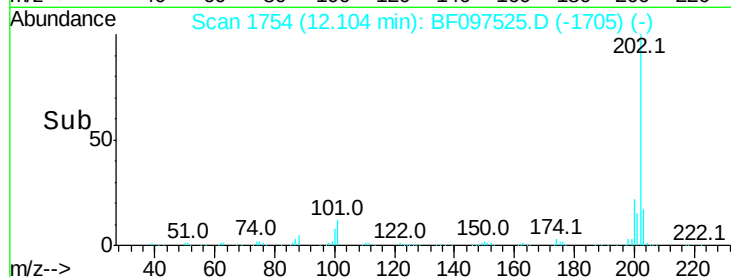
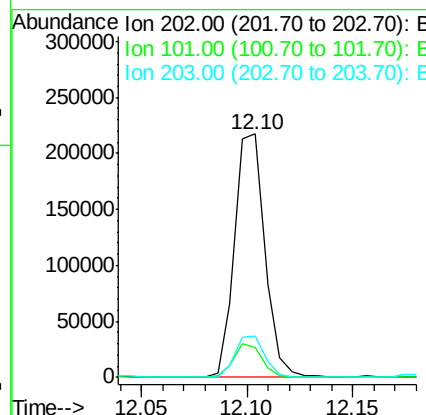
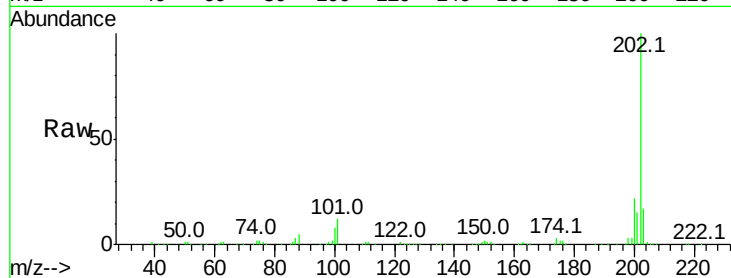
ClientSampled :

SB-18-COMP

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.1	0.0	33.2
203	17.2	0.0	38.1

Manual Integrations
APPROVED

Sohil
8/10/2017 6:07:33 PM



#75

Chrysene-d12

Concen: 20.000 ng

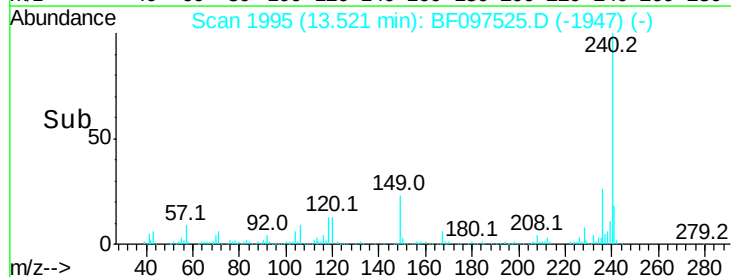
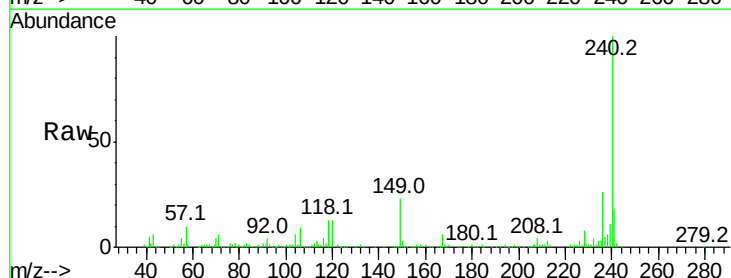
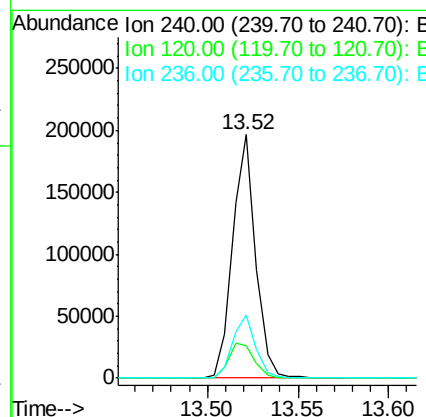
RT: 13.52 min Scan# 1995

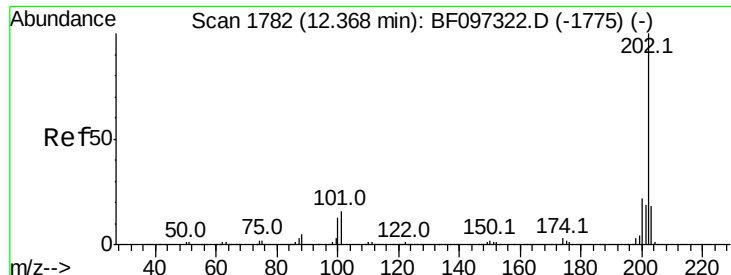
Delta R.T. -0.02 min

Lab File: BF097525.D

Acq: 9 Aug 2017 19:43

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	13.5	5.8	8.8#
236	25.8	20.5	30.7





#77

Pvrene

Concen: 13.888 ng

RT: 12.33 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF097525.D

Acq: 9 Aug 2017 19:43

Instrument :

BNA_F

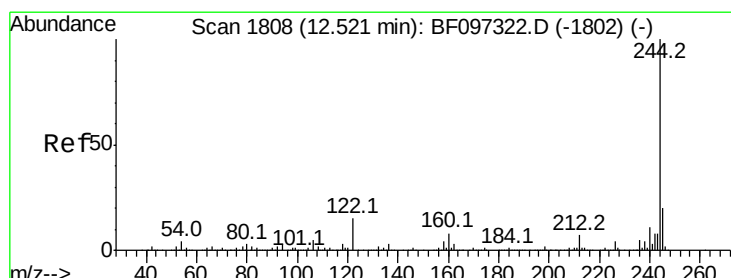
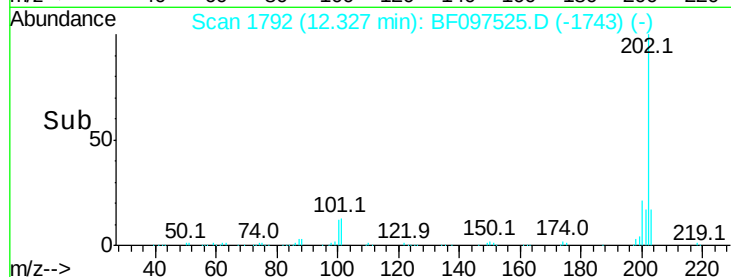
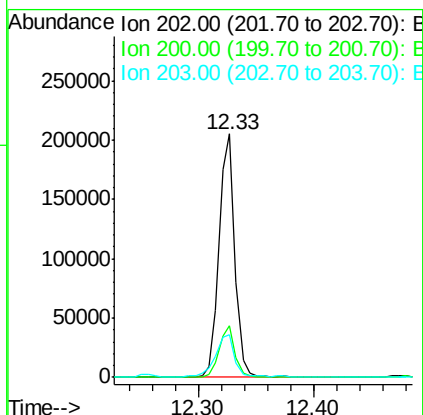
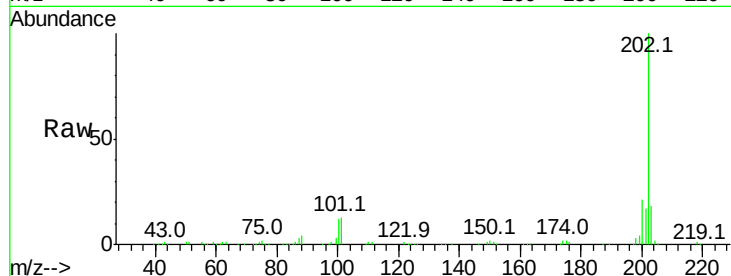
ClientSampled :

SB-18-COMP

Tot Ion:	202	Resp:	196313
Ion Ratio	Lower	Upper	
202	100		
200	21.2	17.6	26.4
203	17.8	14.4	21.6

Manual Integrations
APPROVED

Sohil
8/10/2017 6:07:33 PM



#78

Terphenyl-d14

Concen: 52.544 ng

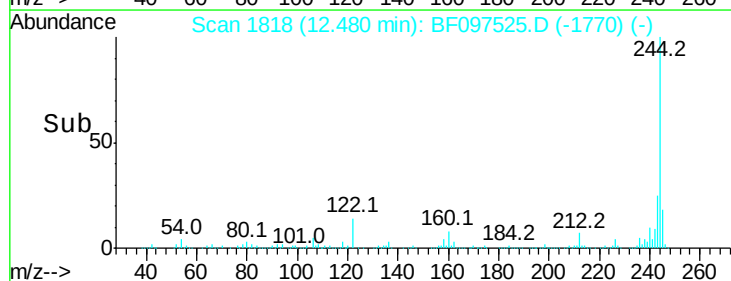
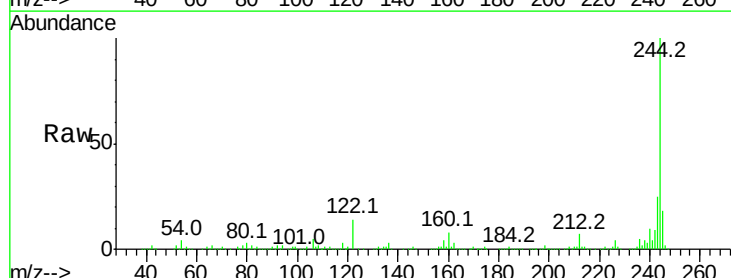
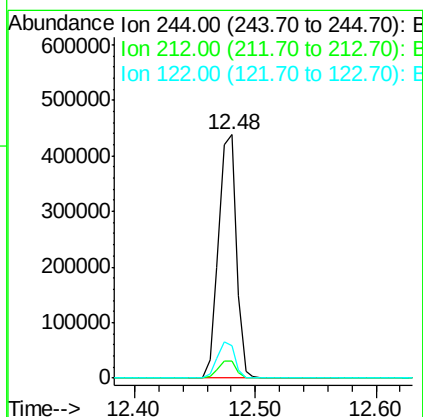
RT: 12.48 min Scan# 1818

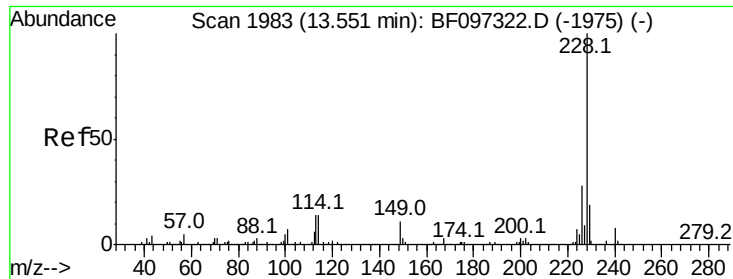
Delta R.T. -0.02 min

Lab File: BF097525.D

Acq: 9 Aug 2017 19:43

Tgt Ion:	244	Resp:	444982
Ion Ratio	Lower	Upper	
244	100		
212	6.8	6.0	9.0
122	13.5	10.3	15.5





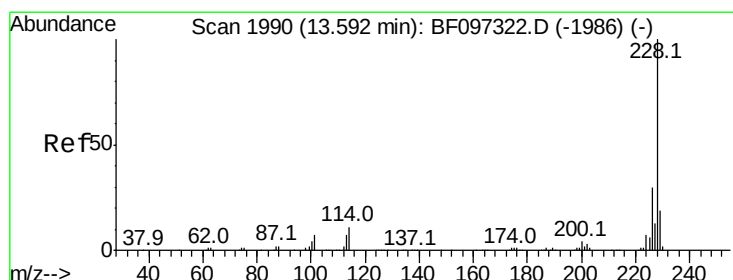
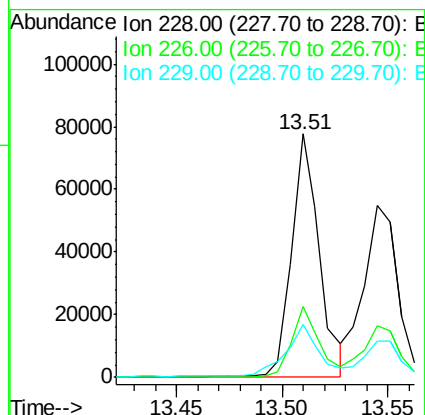
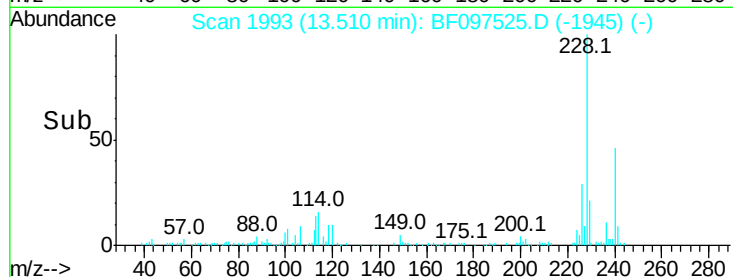
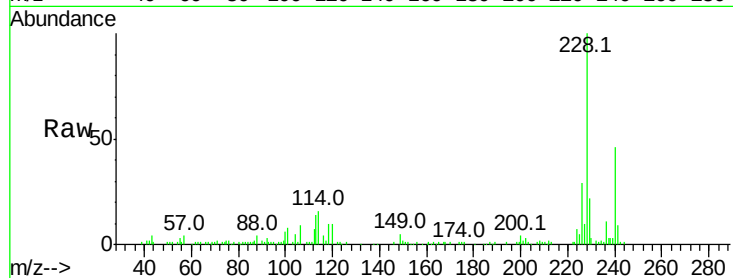
#80
Benzo(a)anthracene
Concen: 6.375 ng
RT: 13.51 min Scan# 1993
Delta R.T. -0.02 min
Lab File: BF097525.D
Acq: 9 Aug 2017 19:43

Instrument :
BNA_F
ClientSampled :
SB-18-COMP

Tot Ion:228	Resp:	71222
Ion Ratio	Lower	Upper
228 100		
226 28.8	22.6	33.8
229 21.6	16.3	24.5

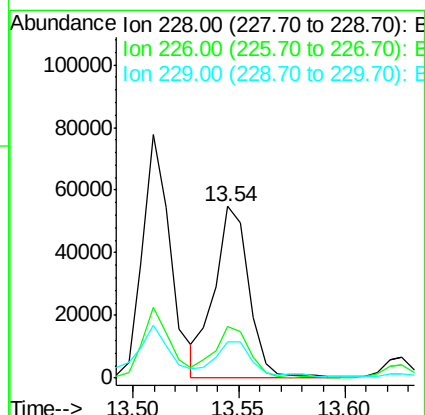
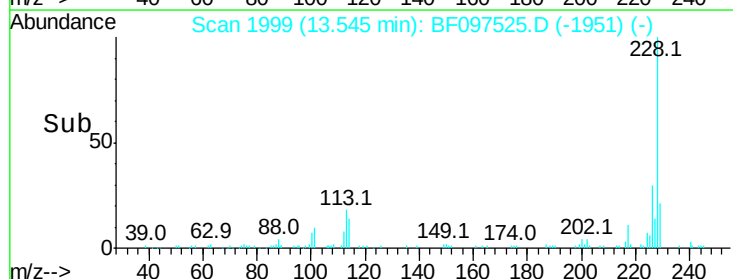
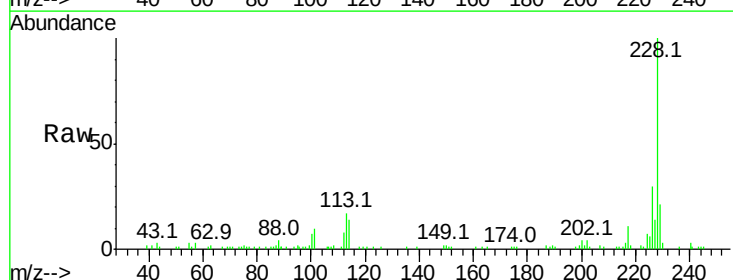
Manual Integrations
APPROVED

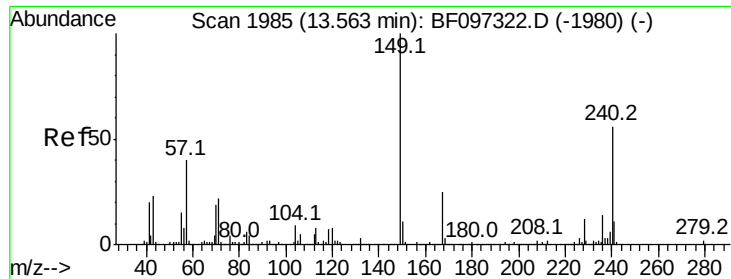
Sohil
8/10/2017 6:07:33 PM



#82
Chrysene
Concen: 5.679 ng
RT: 13.54 min Scan# 1999
Delta R.T. -0.02 min
Lab File: BF097525.D
Acq: 9 Aug 2017 19:43

Tgt Ion:228	Resp:	61951
Ion Ratio	Lower	Upper
228 100		
226 30.0	24.9	37.3
229 21.3	15.8	23.6





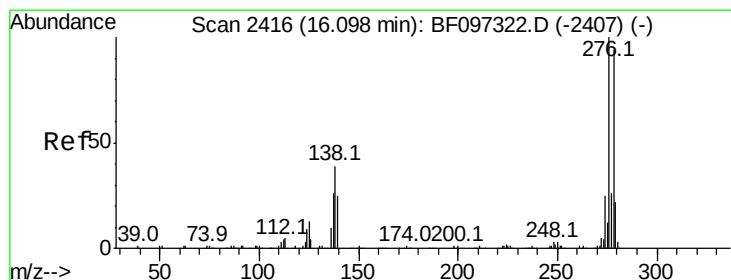
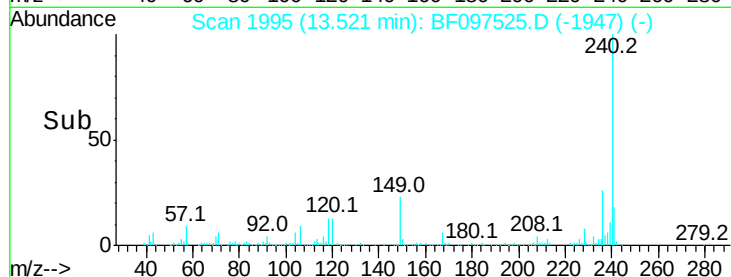
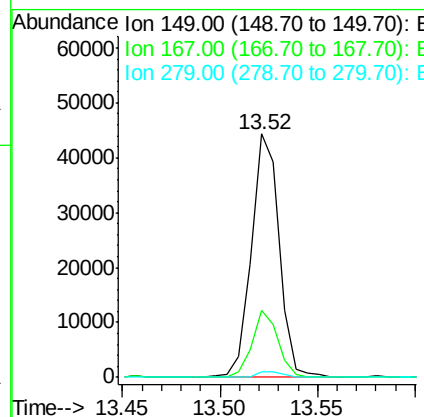
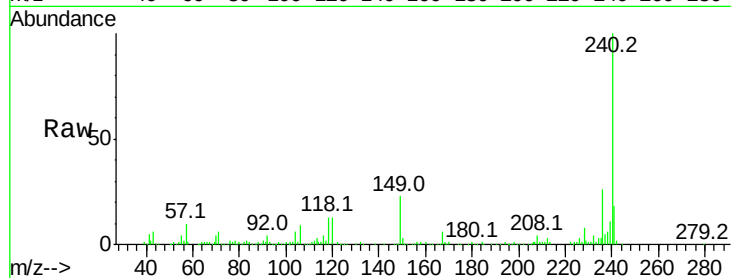
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 4.660 ng
 RT: 13.52 min Scan# 1995
 Delta R.T. -0.02 min
 Lab File: BF097525.D
 Acq: 9 Aug 2017 19:43

Instrument :
 BNA_F
 ClientSampleId :
 SB-18-COMP

Tot Ion	Ratio	Lower	Upper
149	100		
167	27.5	21.0	31.4
279	2.1	1.9	2.9

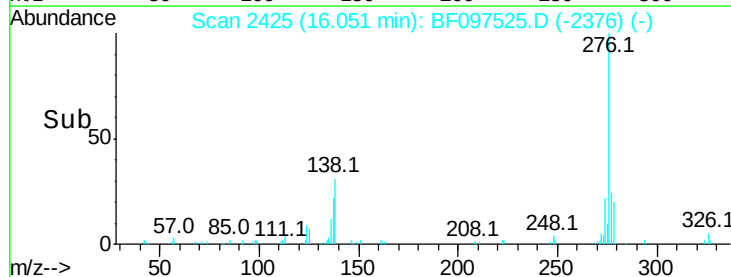
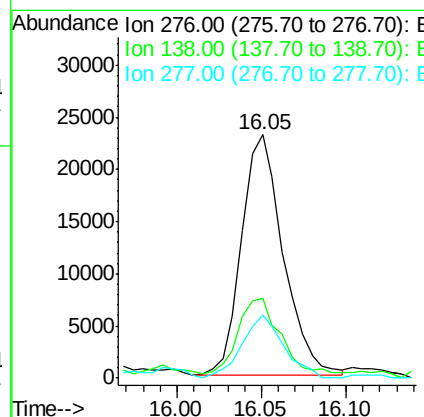
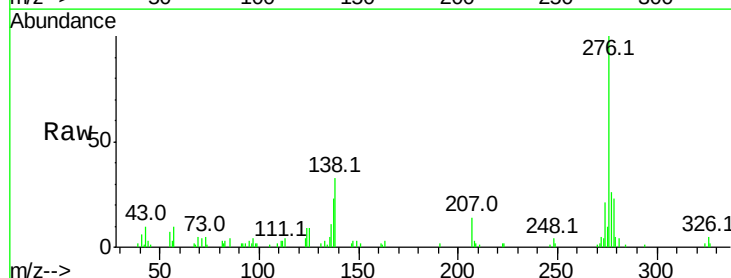
Manual Integrations
 APPROVED

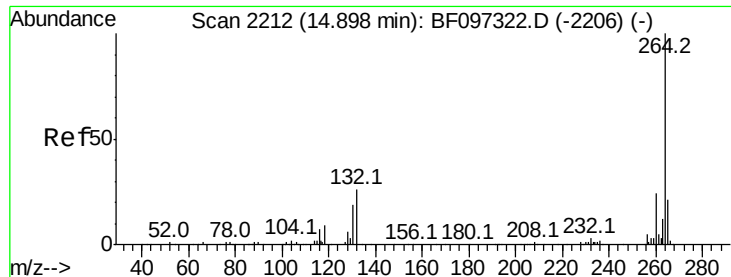
Sohil
 8/10/2017 6:07:33 PM



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.203 ng
 RT: 16.05 min Scan# 2425
 Delta R.T. -0.01 min
 Lab File: BF097525.D
 Acq: 9 Aug 2017 19:43

Tgt Ion	Ratio	Lower	Upper
276	100		
138	31.4	27.8	41.6
277	26.4	20.2	30.4





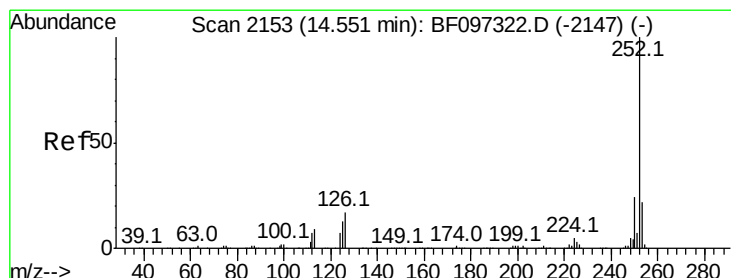
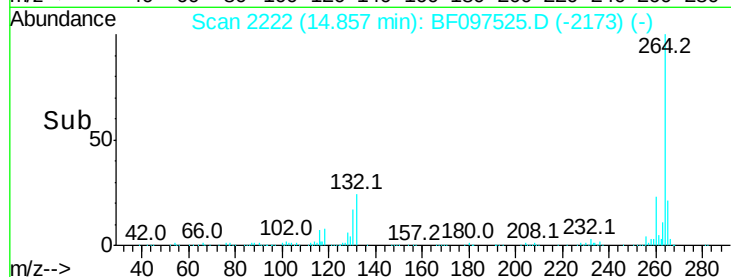
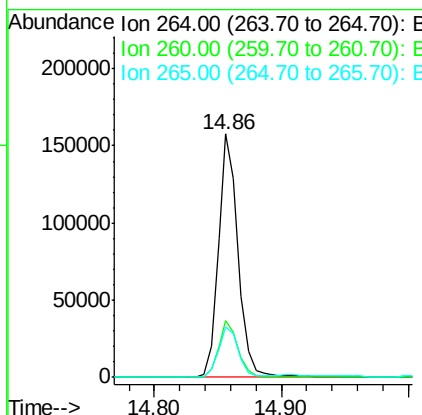
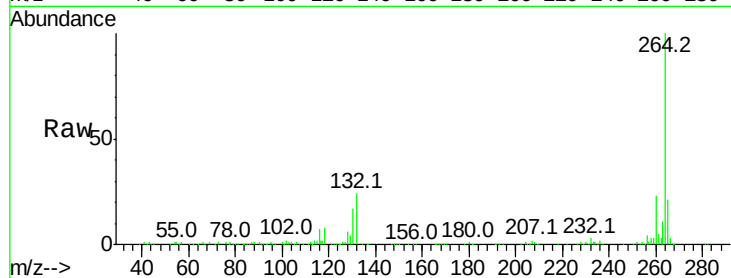
#86
Pervlene-d12
Concen: 20.000 ng
RT: 14.86 min Scan# 2222
Delta R.T. -0.01 min
Lab File: BF097525.D
Acq: 9 Aug 2017 19:43

Instrument :
BNA_F
ClientSampleId :
SB-18-COMP

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.5	29.3
265	20.8	17.2	25.8

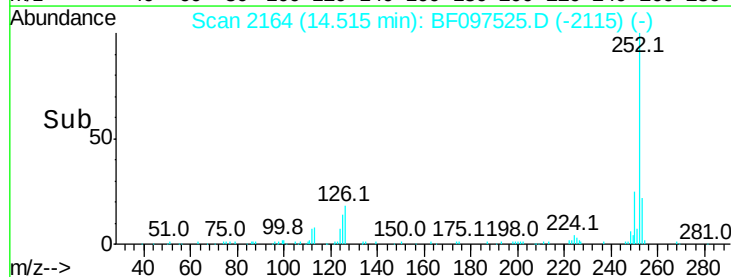
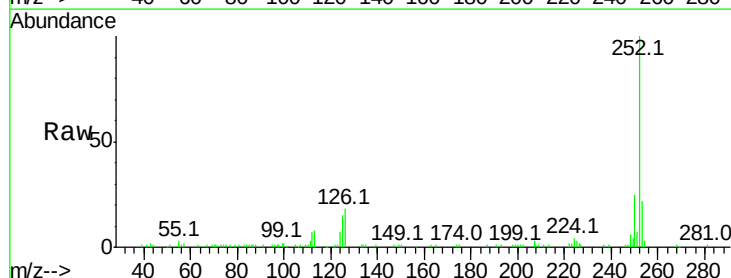
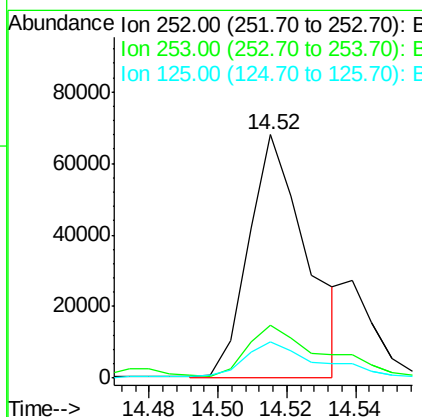
Manual Integrations
APPROVED

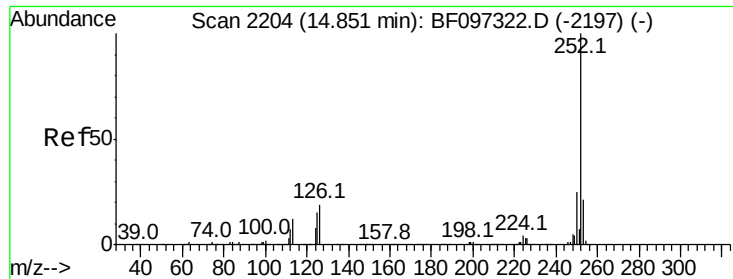
Sohil
8/10/2017 6:07:33 PM



#87
Benzo(b)fluoranthene
Concen: 7.789 ng m
RT: 14.52 min Scan# 2164
Delta R.T. -0.01 min
Lab File: BF097525.D
Acq: 9 Aug 2017 19:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	18.1	27.1
125	14.8	9.8	14.8#





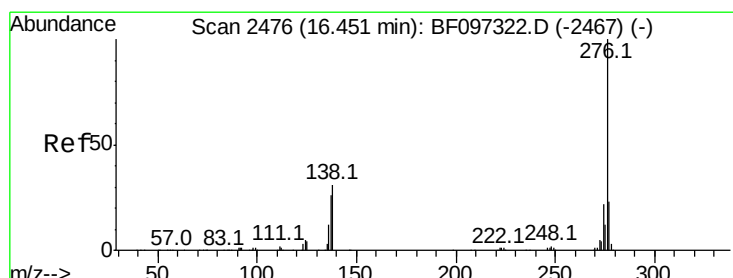
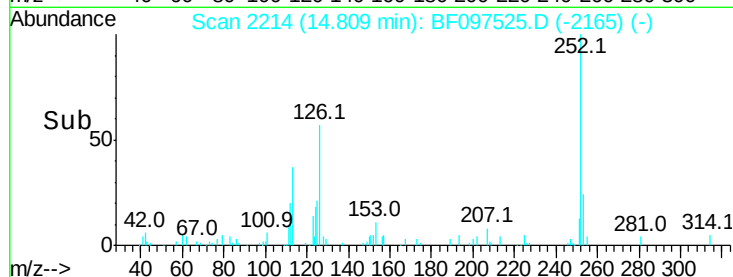
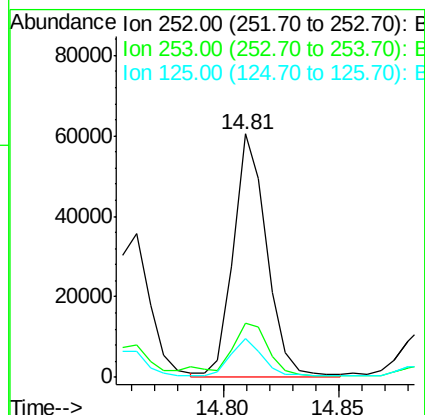
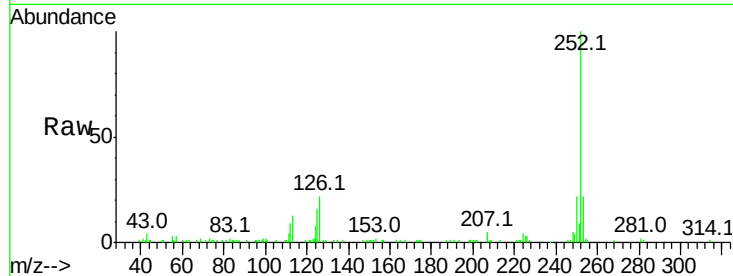
#89
Benzo(a)pyrene
Concen: 6.557 ng
RT: 14.81 min Scan# 2214
Delta R.T. -0.01 min
Lab File: BF097525.D
Acq: 9 Aug 2017 19:43

Instrument :
BNA_F
ClientSampleId :
SB-18-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.5	26.3
125	16.0	11.0	16.4

Manual Integrations
APPROVED

Sohil
8/10/2017 6:07:33 PM



#91
Benzo(g,h,i)perylene
Concen: 4.887 ng
RT: 16.40 min Scan# 2484
Delta R.T. -0.01 min
Lab File: BF097525.D
Acq: 9 Aug 2017 19:43

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.9	18.6	28.0
138	35.0	25.4	38.0

