

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080817\
 Data File : BF097491.D
 Acq On : 9 Aug 2017 1:51
 Operator : SJ/JU
 Sample : I4657-13
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-080717-E

Manual Integrations
 APPROVED

Sohil
 8/9/2017 7:16:46 PM

Quant Time: Aug 09 03:52:52 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	97912	20.00	ng	0.00
21) Naphthalene-d8	7.69	136	324585	20.00	ng	-0.01
38) Acenaphthene-d10	9.43	164	117846	20.00	ng	0.00
63) Phenanthrene-d10	10.90	188	215347	20.00	ng	-0.01
75) Chrysene-d12	13.53	240	174476	20.00	ng	0.00
86) Perylene-d12	14.87	264	112770	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.00	112	588980	90.68	ng	0.00
7) Phenol-d6	6.08	99	669368	90.27	ng	0.00
23) Nitrobenzene-d5	6.98	82	350949	63.43	ng	-0.01
41) 2,4,6-Tribromophenol	10.22	330	86695	93.11	ng	-0.01
44) 2-Fluorobiphenyl	8.77	172	412844	59.45	ng	0.00
78) Terphenyl-d14	12.49	244	350436	40.95	ng	-0.01
Target Compounds						Qvalue
48) Acenaphthylene	9.30	152	25961	2.283	ng	98
49) Dimethylphthalate	9.17	163	111923	12.507	ng	99
57) Fluorene	9.98	166	18917	2.822	ng	86
70) Phenanthrene	10.93	178	161212	13.972	ng	99
71) Anthracene	10.99	178	50313	4.257	ng	99
74) Fluoranthene	12.11	202	220954	19.547	ng	97
77) Pyrene	12.33	202	245628	17.196	ng	98
80) Benzo(a)anthracene	13.52	228	91967	8.146	ng	96
82) Chrysene	13.56	228	86892m	7.882	ng	
85) Indeno(1,2,3-cd)pyrene	16.07	276	22723	2.404	ng	97
87) Benzo(b)fluoranthene	14.53	252	71736m	10.582	ng	
88) Benzo(k)fluoranthene	14.55	252	18958m	2.935	ng	
89) Benzo(a)pyrene	14.83	252	51198	8.252	ng	# 91
91) Benzo(a,h,i)perylene	16.43	276	24315	4.557	ng	96

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

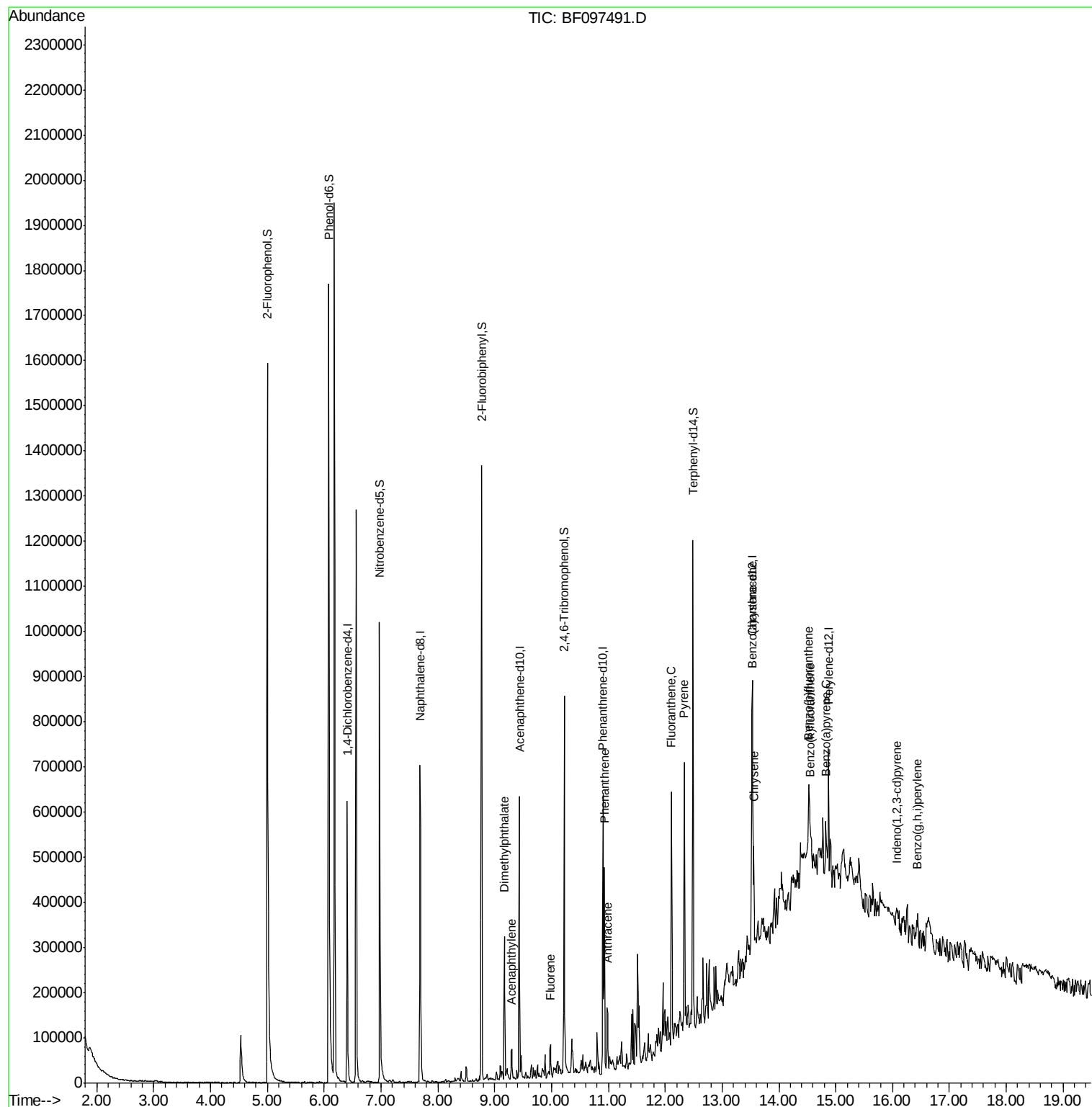
Data Path : Z:\HPCHEM1\BNA F\DATA\BF080817\
Data File : BF097491.D
Acq On : 9 Aug 2017 1:51
Operator : SJ/JU
Sample : I4657-13
Misc :
ALS Vial : 17 Sample Multiplier: 1

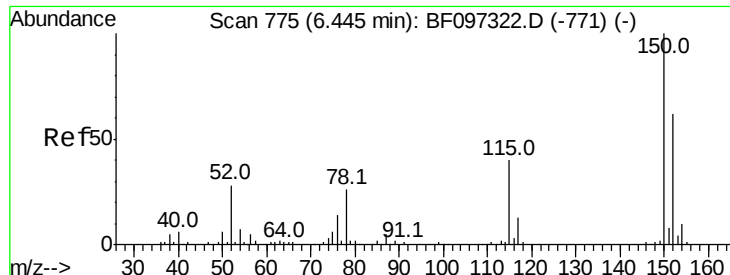
Instrument :
BNA_F
ClientSampleId :
CL-01-080717-E

Manual Integrations
APPROVED

Sohil
8/9/2017 7:16:46 PM

Quant Time: Aug 09 03:52:52 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

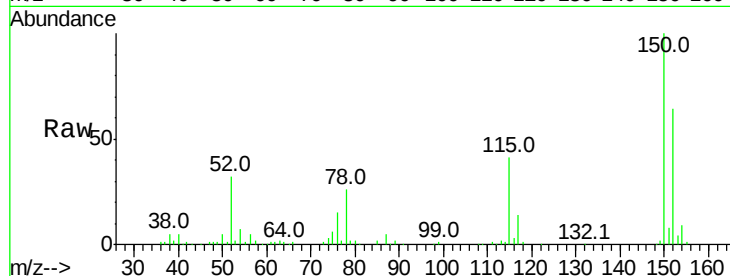
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.40 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF097491.D
Acq: 9 Aug 2017 1:51

Instrument :
BNA_F
ClientSampleId :
CL-01-080717-E

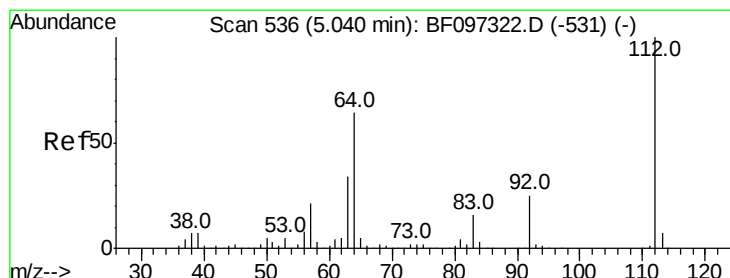
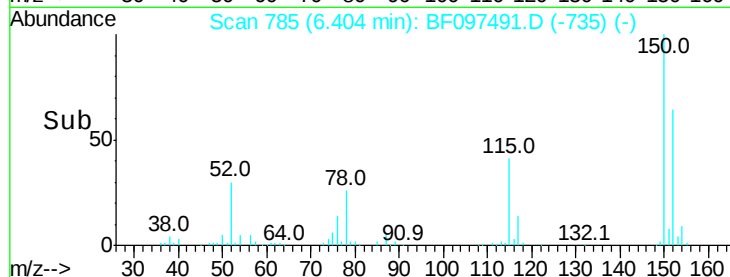
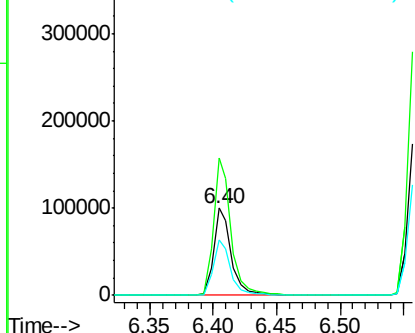
Tot Ion	Ratio	Lower	Upper
152	100		
150	157.2	126.2	189.2
115	64.0	52.2	78.2

Manual Integrations
APPROVED

Sohil
8/9/2017 7:16:46 PM



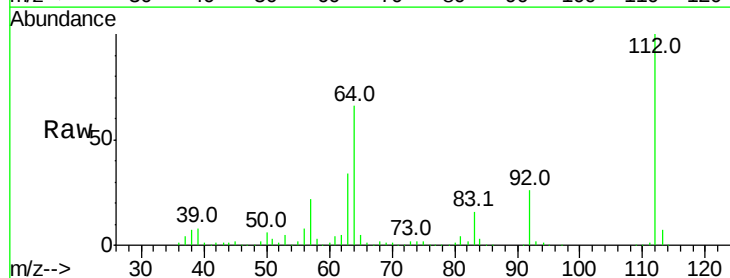
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



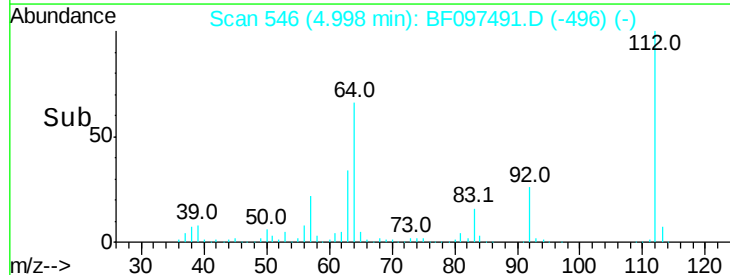
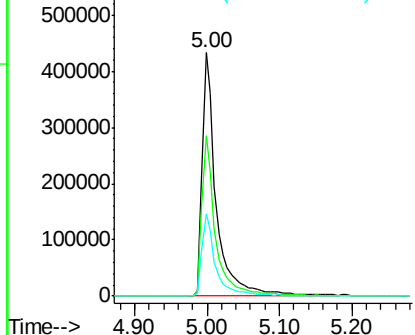
#5

2-Fluorophenol
Concen: 90.681 ng
RT: 5.00 min Scan# 546
Delta R.T. -0.01 min
Lab File: BF097491.D
Acq: 9 Aug 2017 1:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.9	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: 90.274 ng

RT: 6.08 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF097491.D

Acq: 9 Aug 2017 1:51

Instrument :

BNA_F

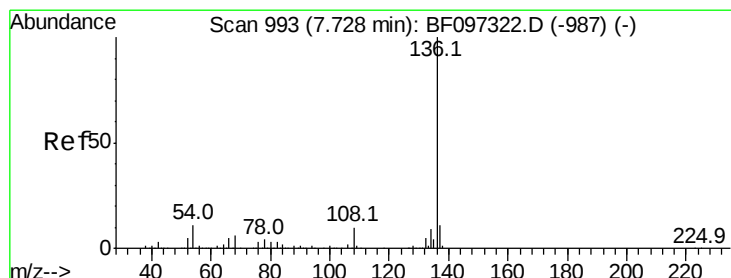
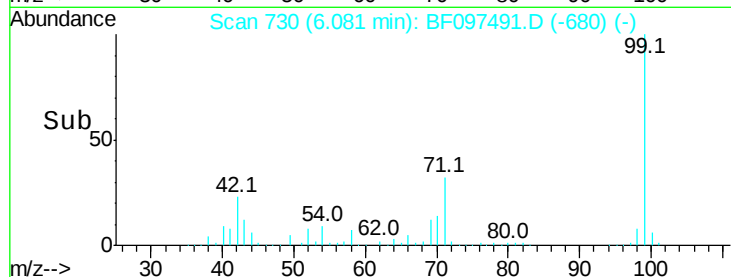
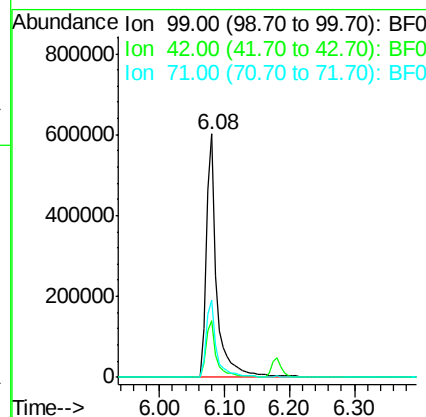
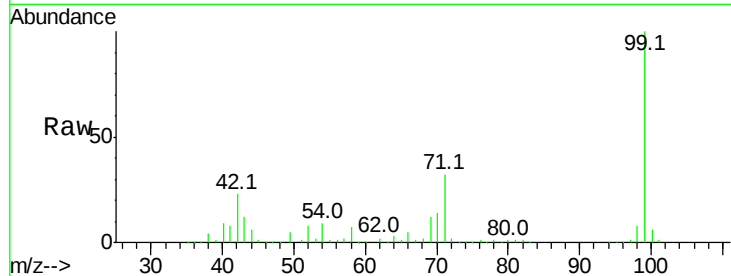
ClientSampleId :

CL-01-080717-E

Tot Ion:	99	Resp:	669368
Ion Ratio	Lower	Upper	
99	100		
42	23.1	13.5	20.3#
71	32.0	24.5	36.7

Manual Integrations
APPROVED

Sohil
8/9/2017 7:16:46 PM



#21

Naphthalene-d8

Concen: 20.000 ng

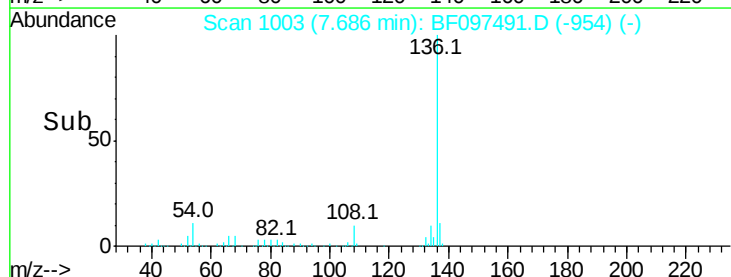
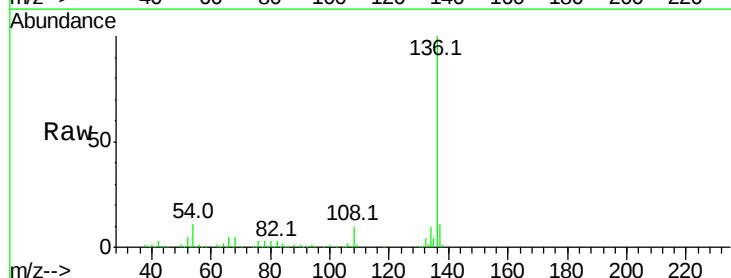
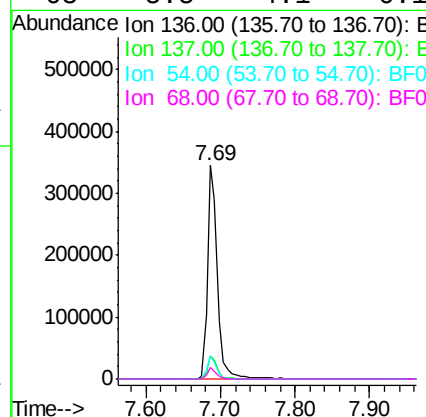
RT: 7.69 min Scan# 1003

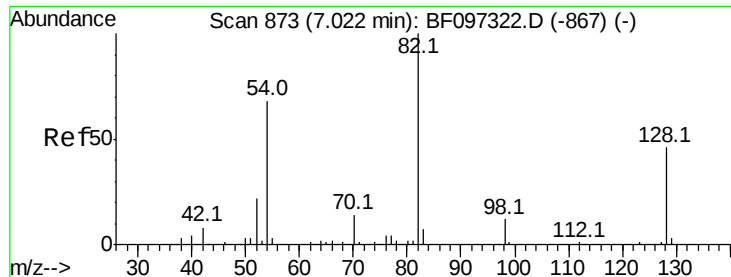
Delta R.T. -0.01 min

Lab File: BF097491.D

Acq: 9 Aug 2017 1:51

Tgt Ion:	136	Resp:	324585
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.5	12.7
54	10.7	4.9	7.3#
68	5.5	4.1	6.1





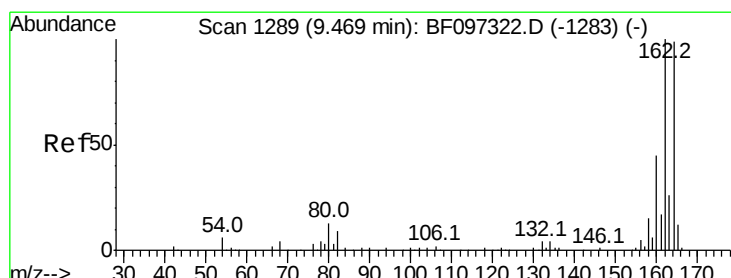
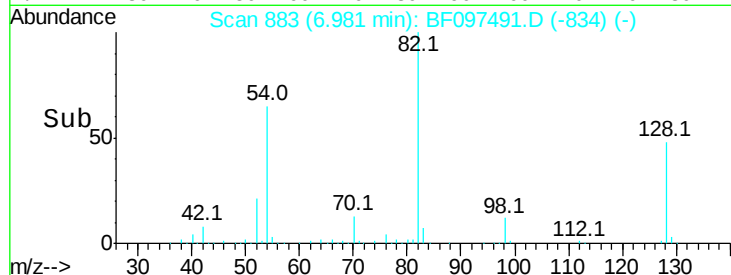
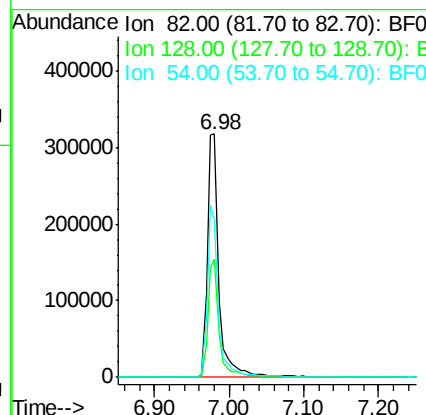
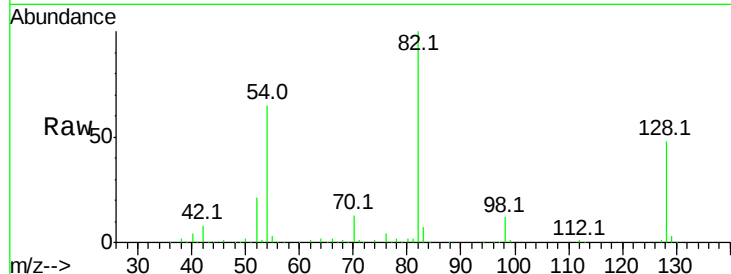
#23
Nitrobenzene-d5
Concen: 63.429 ng
RT: 6.98 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF097491.D
Acq: 9 Aug 2017 1:51

Instrument :
BNA_F
ClientSampleId :
CL-01-080717-E

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.4	34.0	51.0
54	64.8	42.2	63.2

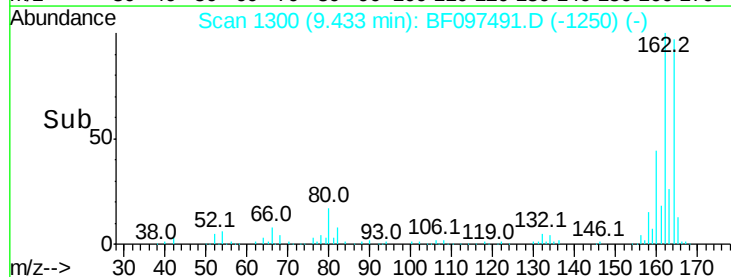
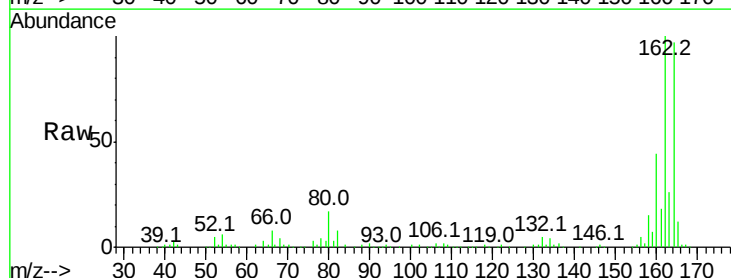
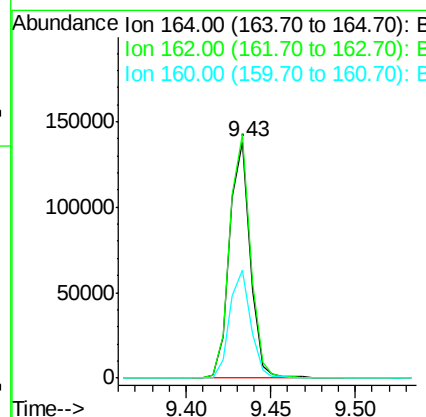
Manual Integrations
APPROVED

Sohil
8/9/2017 7:16:46 PM



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.43 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BF097491.D
Acq: 9 Aug 2017 1:51

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.1	82.6	123.8
160	45.7	36.2	54.2





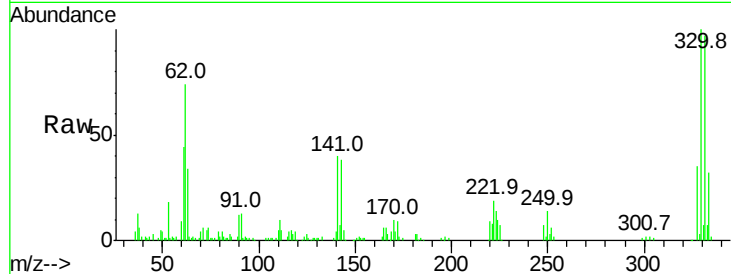
#41
 2,4,6-Tribromophenol
 Concen: 93.111 ng
 RT: 10.22 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF097491.D
 Acq: 9 Aug 2017 1:51

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-080717-E

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.8	76.6	115.0	
141	43.0	31.4	47.2	

Manual Integrations
 APPROVED

Sohil
 8/9/2017 7:16:46 PM

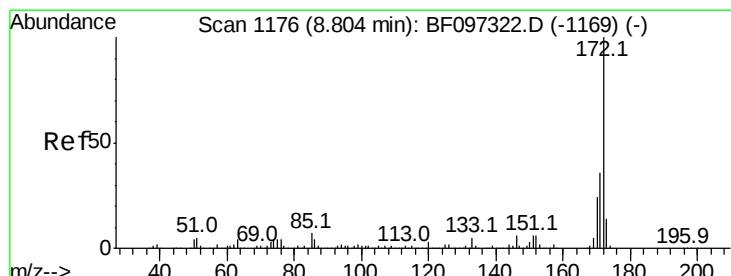
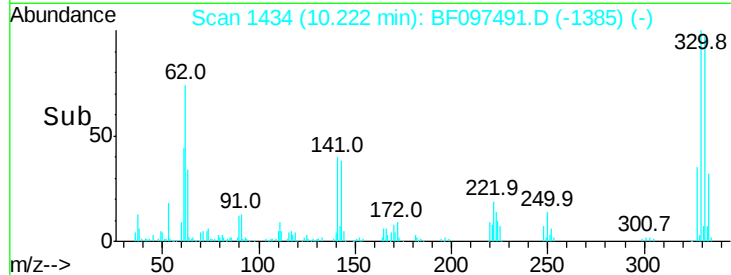
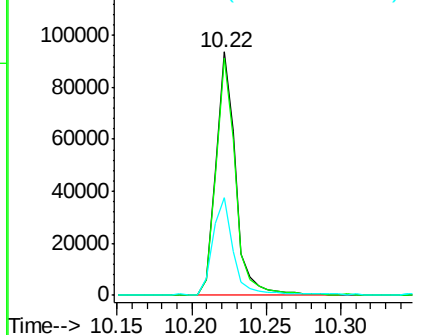


Abundance

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: 59.454 ng
 RT: 8.77 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF097491.D
 Acq: 9 Aug 2017 1:51

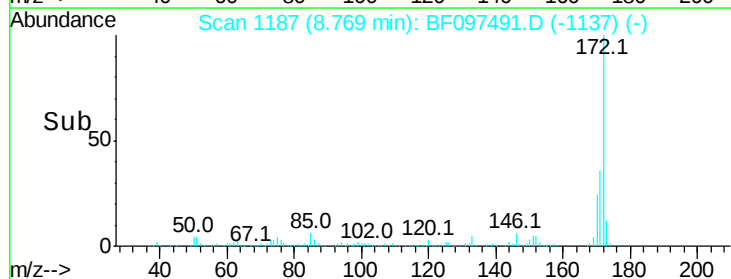
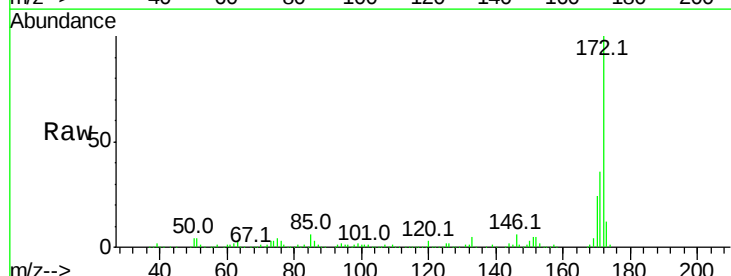
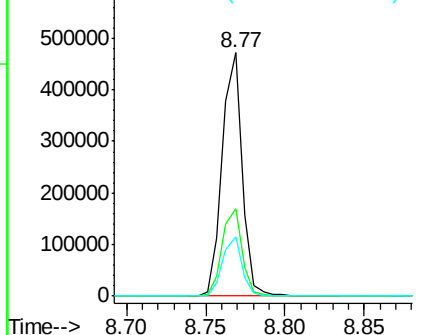
Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.1	29.6	44.4	
170	24.3	19.8	29.8	

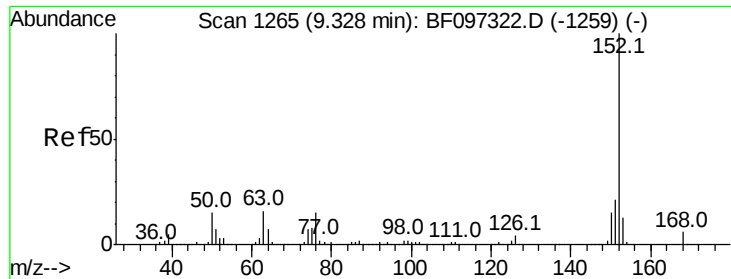
Abundance

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





#48

Acenaphthylene

Concen: 2.283 ng

RT: 9.30 min Scan# 1277

Delta R.T. -0.01 min

Lab File: BF097491.D

Acq: 9 Aug 2017 1:51

Instrument :

BNA_F

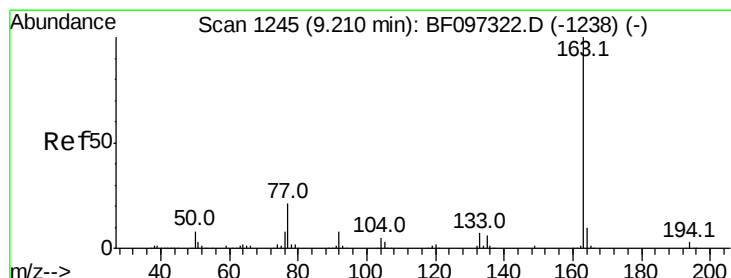
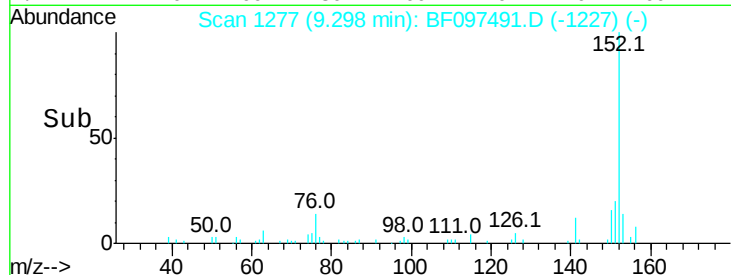
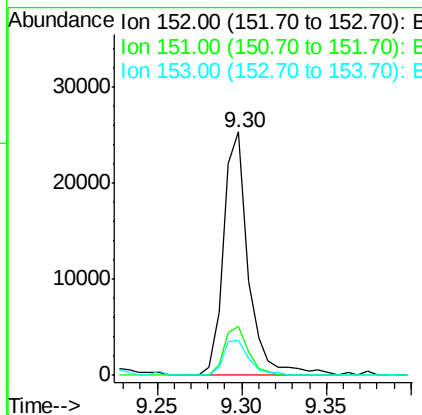
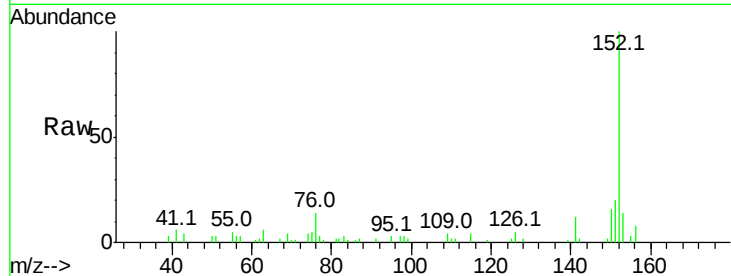
ClientSampleId :

CL-01-080717-E

Tot Ion:	152	Resp:	25961
Ion Ratio	Lower	Upper	
152	100		
151	20.3	16.8	25.2
153	14.3	10.8	16.2

Manual Integrations
APPROVED

Sohil
8/9/2017 7:16:46 PM



#49

Dimethylphthalate

Concen: 12.507 ng

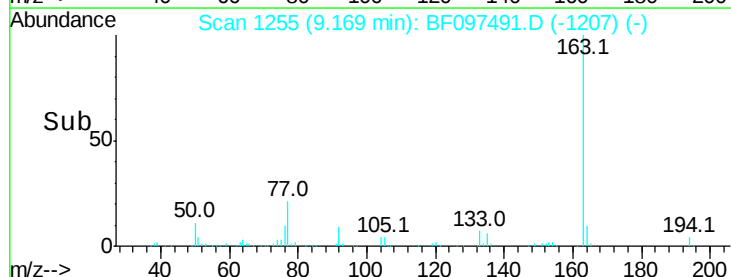
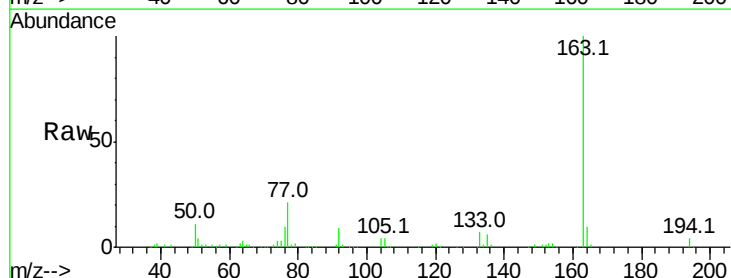
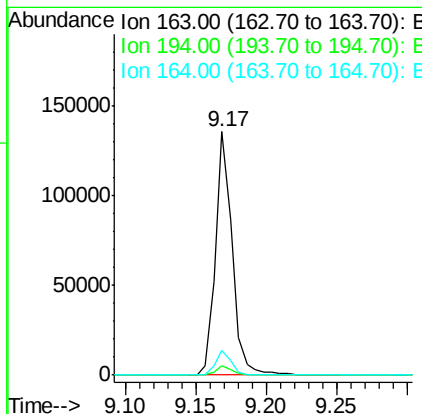
RT: 9.17 min Scan# 1255

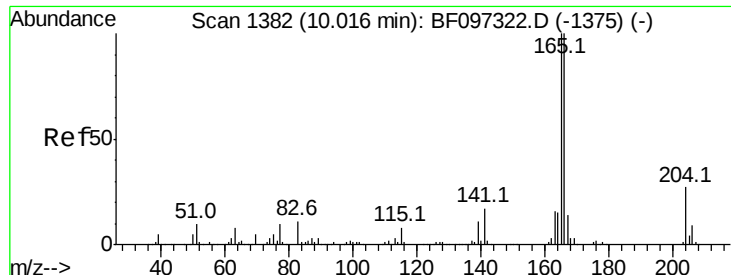
Delta R.T. -0.02 min

Lab File: BF097491.D

Acq: 9 Aug 2017 1:51

Tgt Ion:	163	Resp:	111923
Ion Ratio	Lower	Upper	
163	100		
194	3.6	2.6	4.0
164	10.3	8.4	12.6





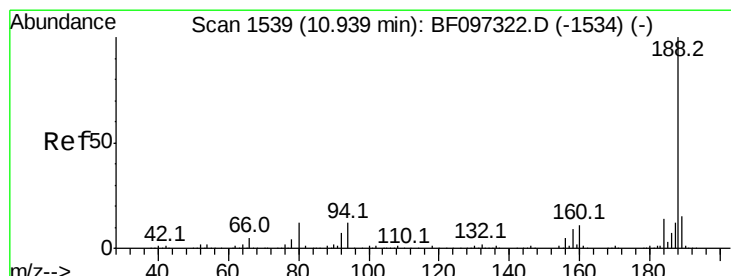
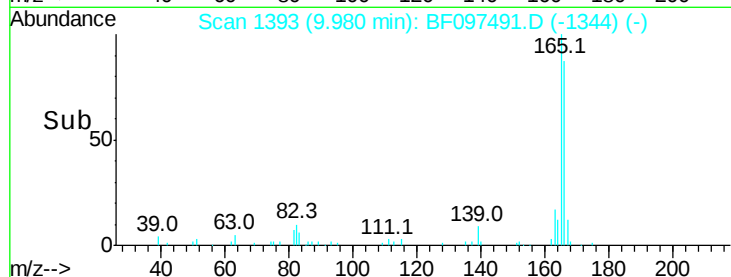
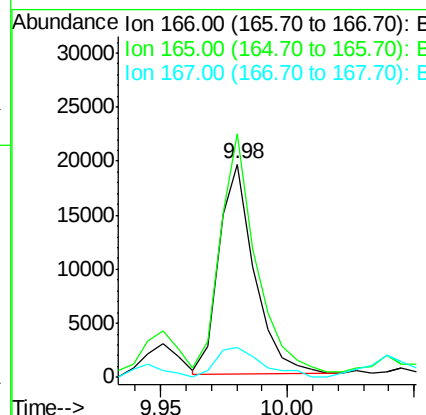
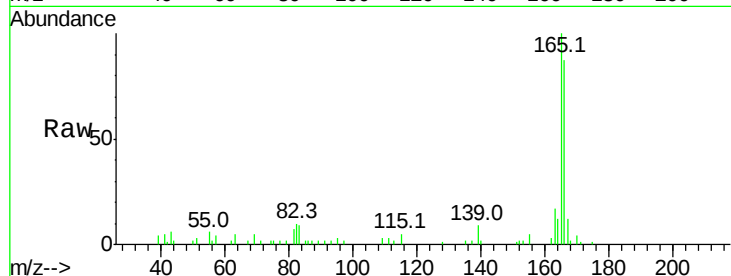
#57
Fluorene
 Concen: 2.822 ng
 RT: 9.98 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: BF097491.D
 Acq: 9 Aug 2017 1:51

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-080717-E

Tot Ion	Ratio	Resp	Lower	Upper
166	100	18917		
165	114.4	78.8	118.2	
167	14.0	10.6	16.0	

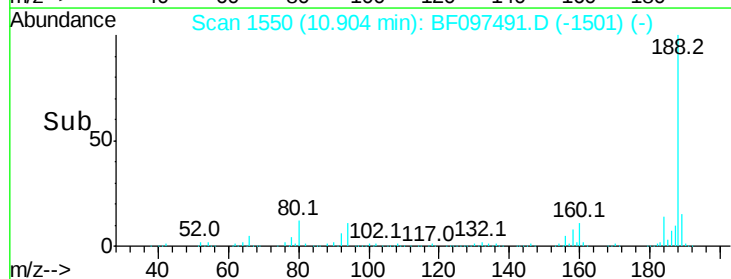
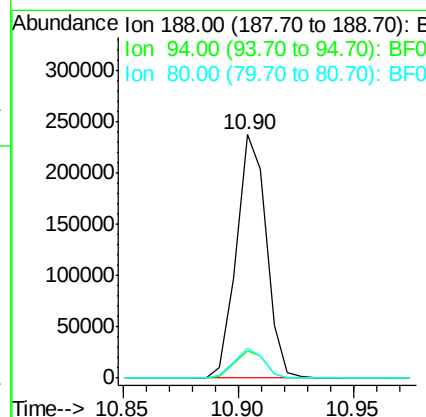
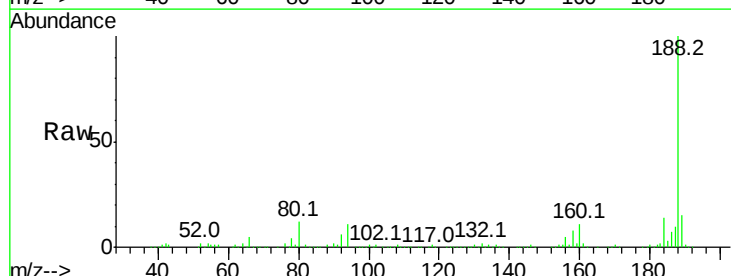
Manual Integrations
 APPROVED

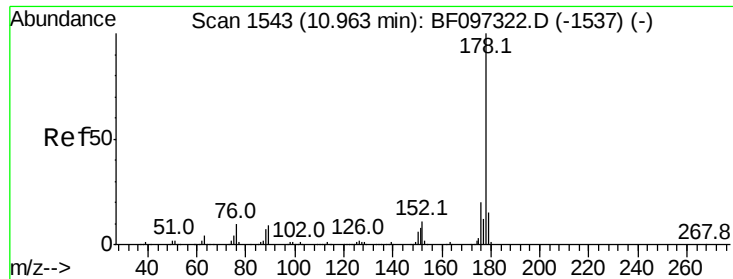
Sohil
 8/9/2017 7:16:46 PM



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 10.90 min Scan# 1550
 Delta R.T. -0.01 min
 Lab File: BF097491.D
 Acq: 9 Aug 2017 1:51

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	215347		
94	11.4	9.4	14.2	
80	12.0	10.2	15.2	





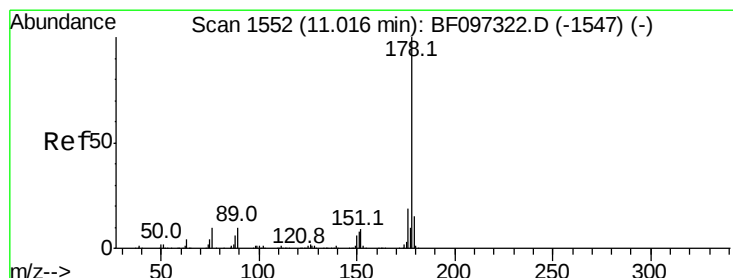
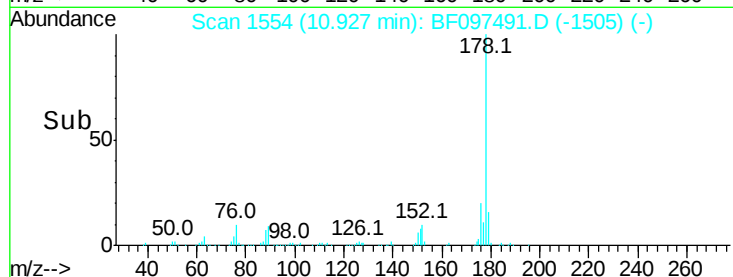
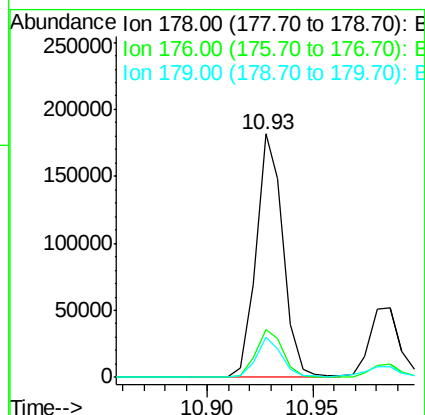
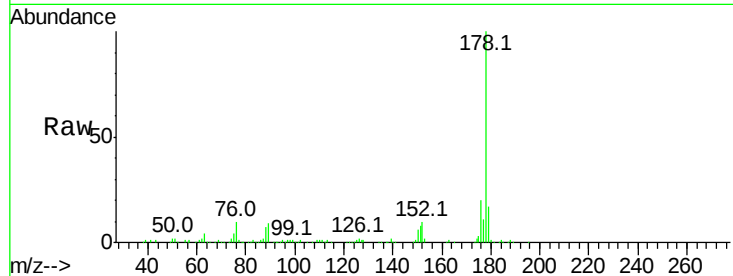
#70
Phenanthrene
Concen: 13.972 ng
RT: 10.93 min Scan# 1554
Delta R.T. -0.01 min
Lab File: BF097491.D
Acq: 9 Aug 2017 1:51

Instrument :
BNA_F
ClientSampleId :
CL-01-080717-E

Tot Ion	Ratio	Resp	Lower	Upper
178	100	161212		
176	19.8	16.2	24.4	
179	16.5	12.6	19.0	

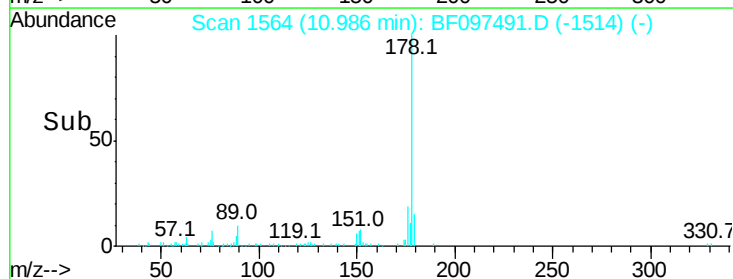
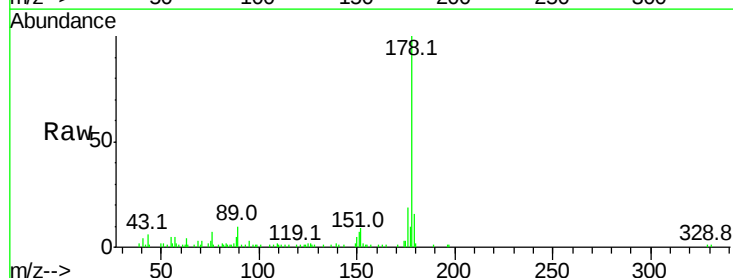
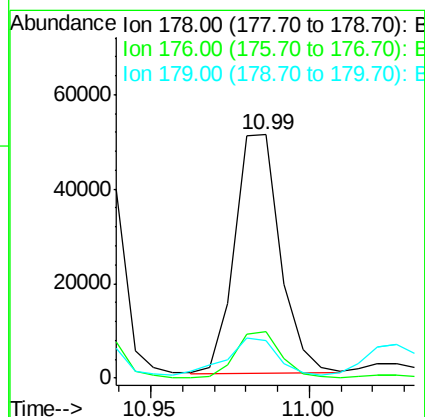
Manual Integrations
APPROVED

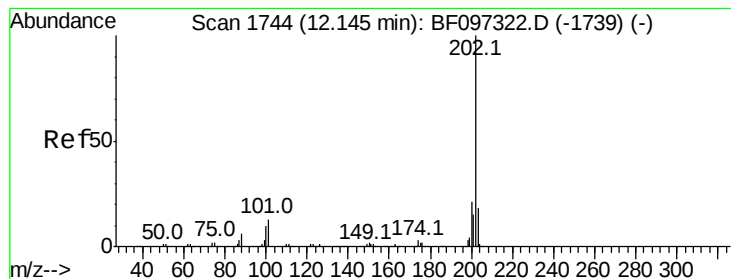
Sohil
8/9/2017 7:16:46 PM



#71
Anthracene
Concen: 4.257 ng
RT: 10.99 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BF097491.D
Acq: 9 Aug 2017 1:51

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	50313		
176	18.9	15.8	23.8	
179	15.6	12.7	19.1	





#74

Fluoranthene

Concen: 19.547 ng

RT: 12.11 min Scan# 1755

Delta R.T. -0.01 min

Lab File: BF097491.D

Acq: 9 Aug 2017 1:51

Instrument :

BNA_F

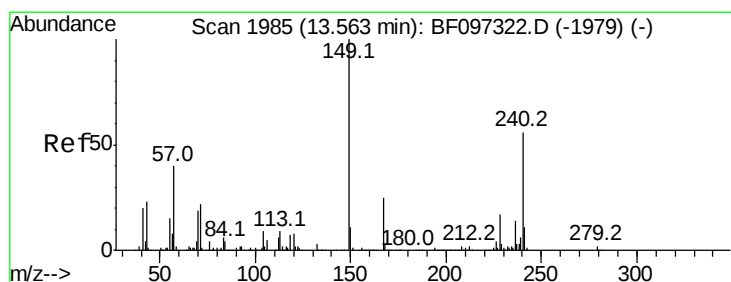
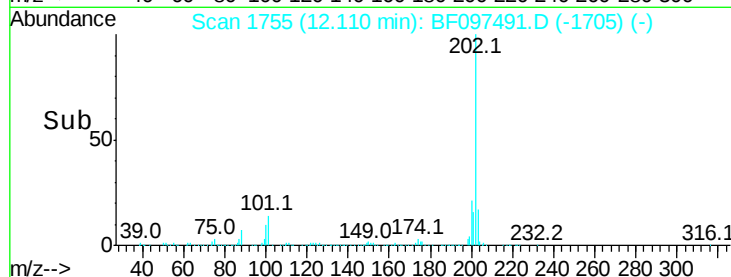
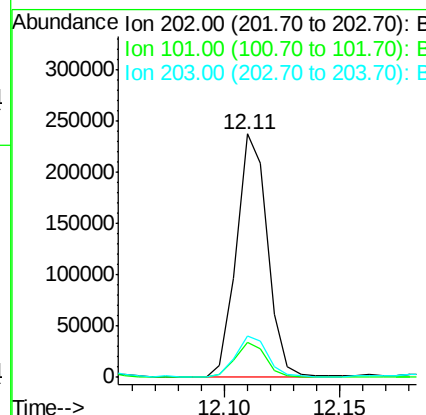
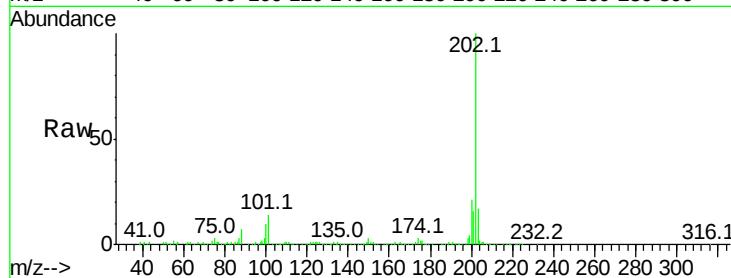
ClientSampleId :

CL-01-080717-E

Tot Ion	Ratio	Resp	Lower	Upper
202	100	220954		
101	14.4	0.0	33.2	
203	17.1	0.0	38.1	

Manual Integrations
APPROVED

Sohil
8/9/2017 7:16:46 PM



#75

Chrysene-d12

Concen: 20.000 ng

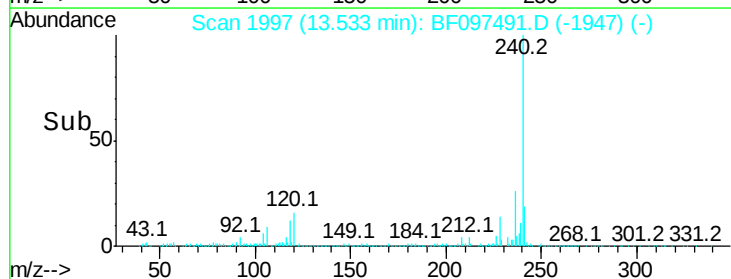
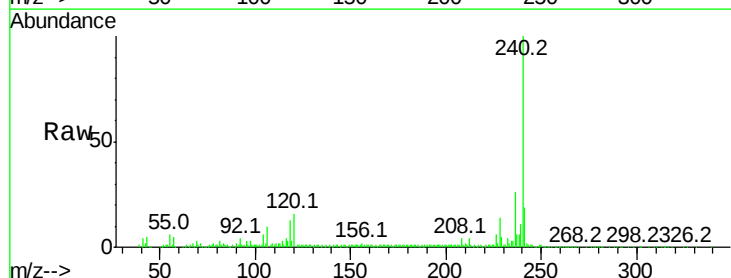
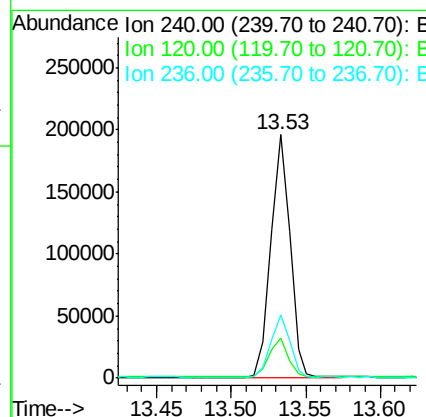
RT: 13.53 min Scan# 1997

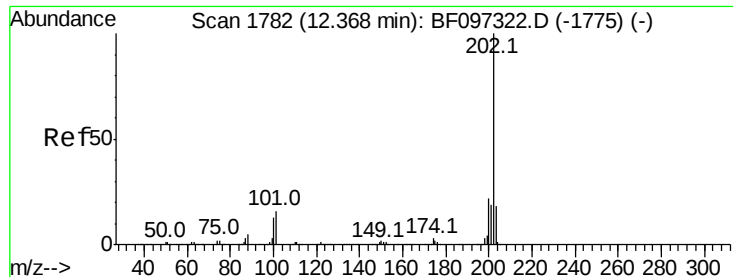
Delta R.T. -0.01 min

Lab File: BF097491.D

Acq: 9 Aug 2017 1:51

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	174476		
120	16.3	5.8	8.8#	
236	25.9	20.5	30.7	





#77

Pvrene

Concen: 17.196 ng

RT: 12.33 min Scan# 1793

Delta R.T. -0.01 min

Lab File: BF097491.D

Acq: 9 Aug 2017 1:51

Instrument :

BNA_F

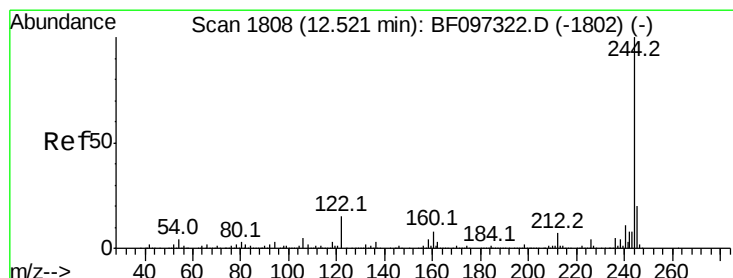
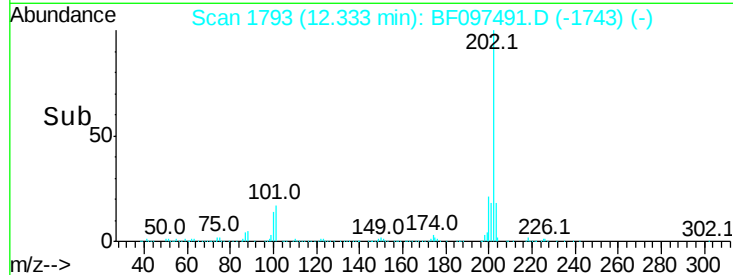
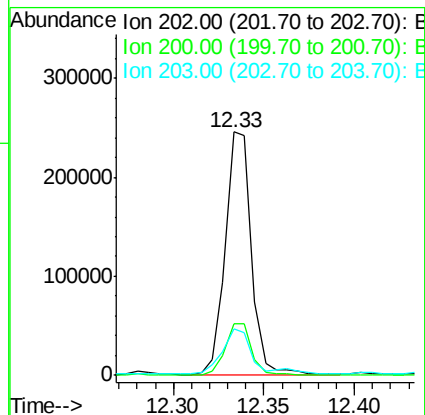
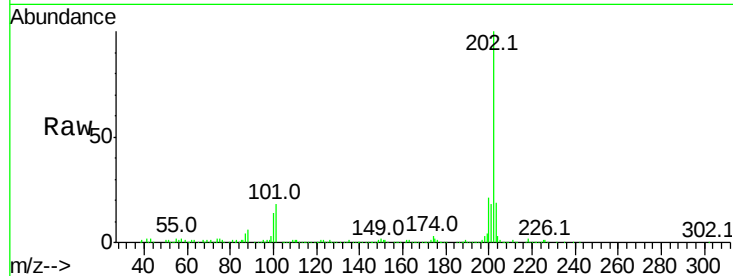
ClientSampleId :

CL-01-080717-E

Tot Ion:	202	Resp:	245628
Ion Ratio		Lower	Upper
202	100		
200	21.0	17.6	26.4
203	19.3	14.4	21.6

Manual Integrations
APPROVED

Sohil
8/9/2017 7:16:46 PM



#78

Terphenyl-d14

Concen: 40.950 ng

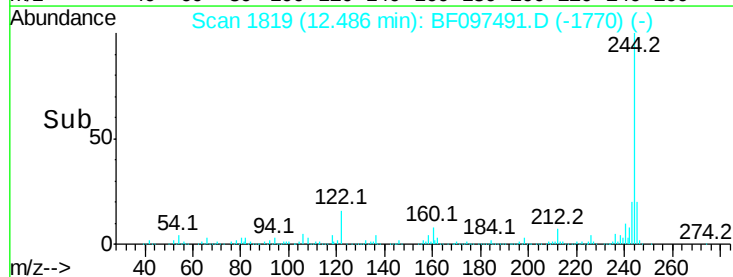
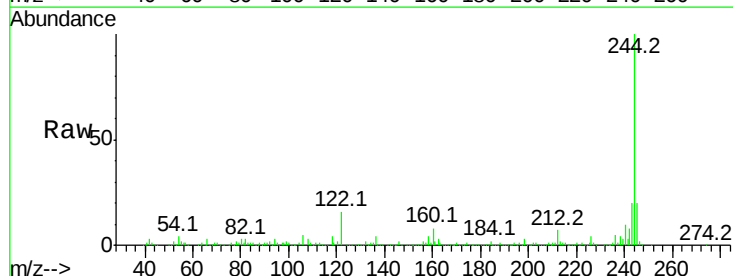
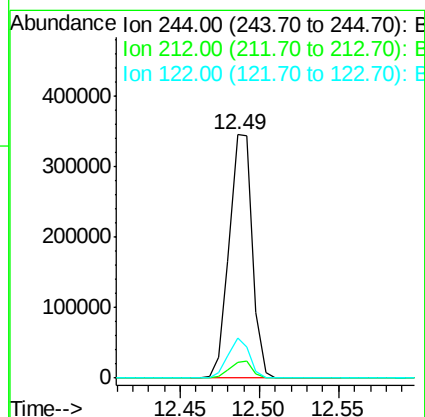
RT: 12.49 min Scan# 1819

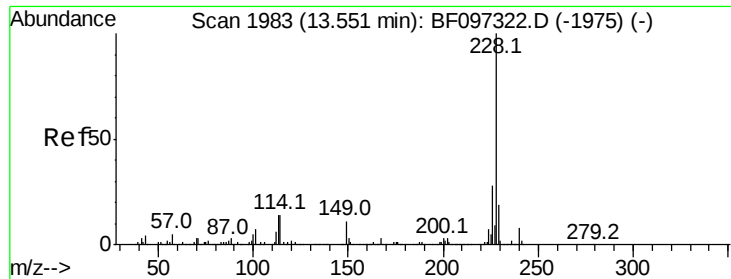
Delta R.T. -0.01 min

Lab File: BF097491.D

Acq: 9 Aug 2017 1:51

Tgt Ion:	244	Resp:	350436
Ion Ratio		Lower	Upper
244	100		
212	6.7	6.0	9.0
122	16.3	10.3	15.5#





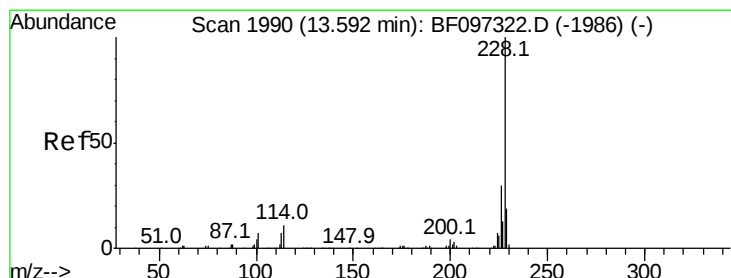
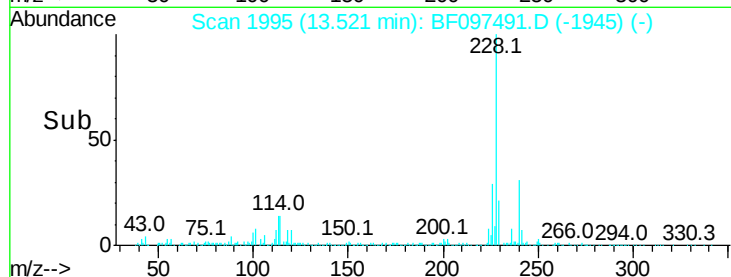
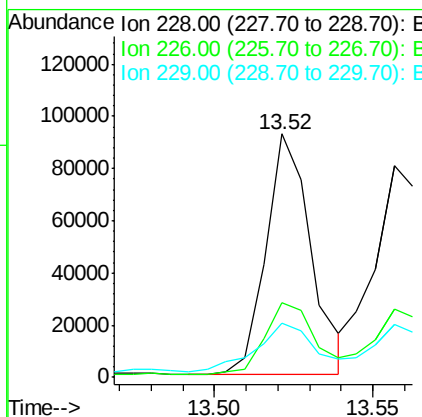
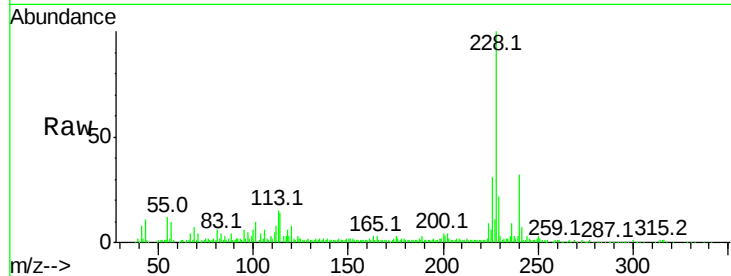
#80
Benzo(a)anthracene
Concen: 8.146 ng
RT: 13.52 min Scan# 1995
Delta R.T. -0.01 min
Lab File: BF097491.D
Acq: 9 Aug 2017 1:51

Instrument :
BNA_F
ClientSampleId :
CL-01-080717-E

Tot Ion:	228	Resp:	91967
Ion Ratio	Lower	Upper	
228	100		
226	30.5	22.6	33.8
229	22.3	16.3	24.5

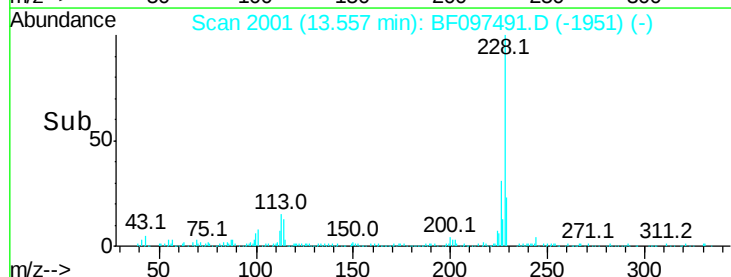
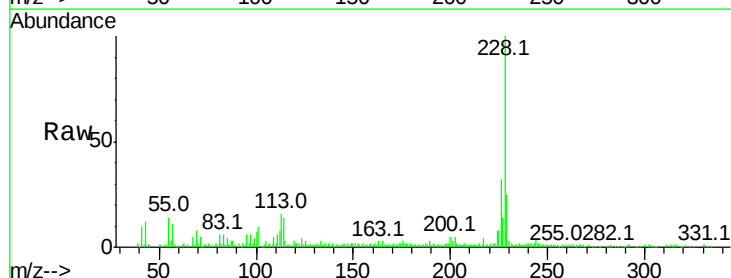
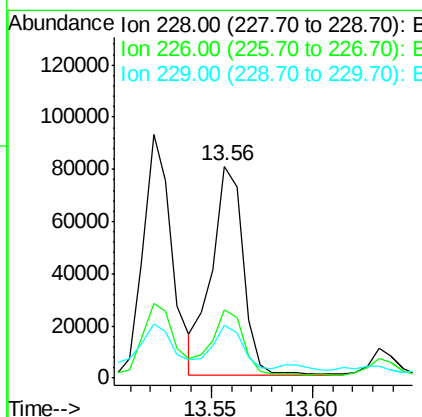
Manual Integrations
APPROVED

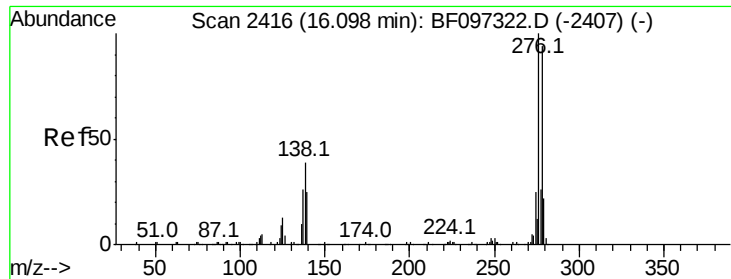
Sohil
8/9/2017 7:16:46 PM



#82
Chrysene
Concen: 7.882 ng m
RT: 13.56 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BF097491.D
Acq: 9 Aug 2017 1:51

Tgt Ion:	228	Resp:	86892
Ion Ratio	Lower	Upper	
228	100		
226	32.3	24.9	37.3
229	25.2	15.8	23.6





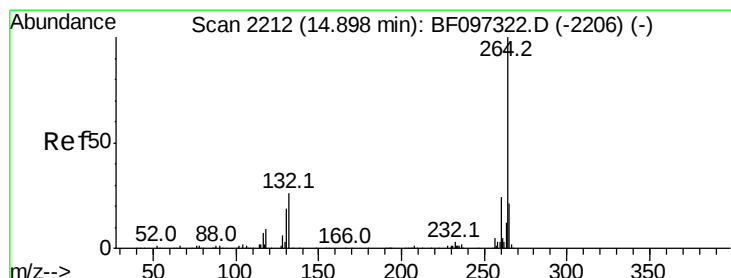
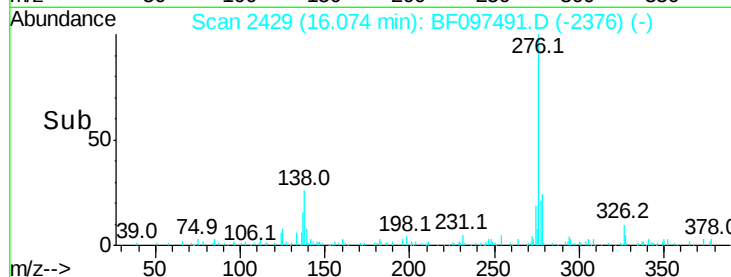
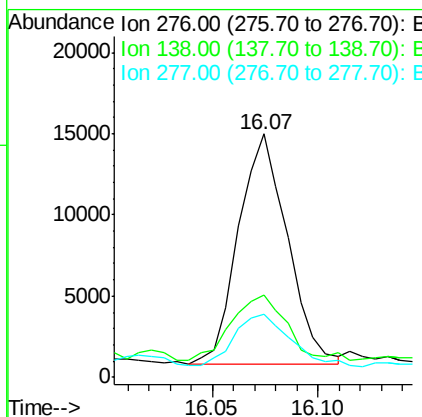
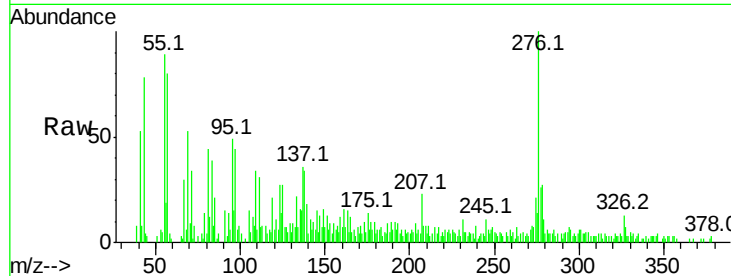
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.404 ng
RT: 16.07 min Scan# 2429
Delta R.T. 0.01 min
Lab File: BF097491.D
Acq: 9 Aug 2017 1:51

Instrument :
BNA_F
ClientSampleId :
CL-01-080717-E

Tot Ion	Ratio	Lower	Upper
276	100		
138	32.9	27.8	41.6
277	27.1	20.2	30.4

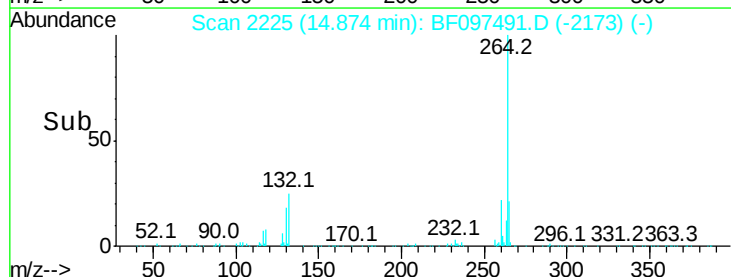
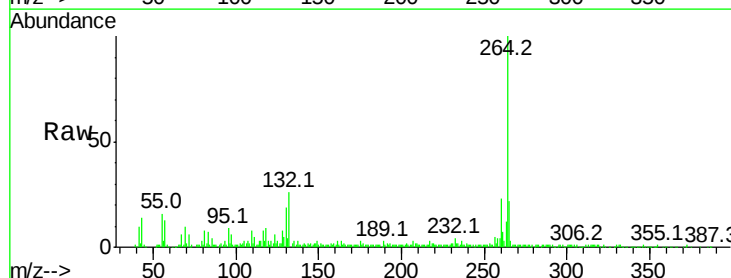
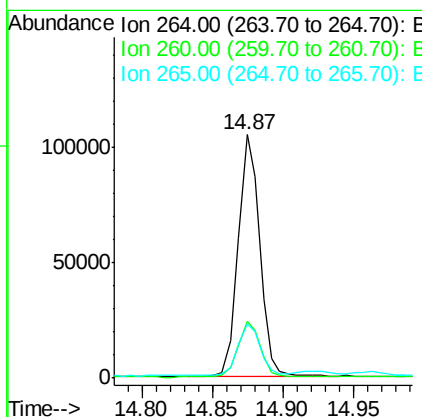
Manual Integrations
APPROVED

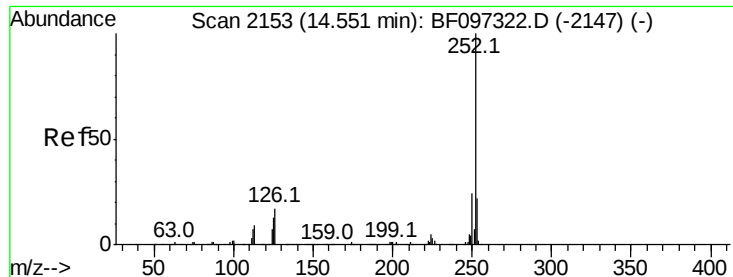
Sohil
8/9/2017 7:16:46 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 14.87 min Scan# 2225
Delta R.T. 0.01 min
Lab File: BF097491.D
Acq: 9 Aug 2017 1:51

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.5	29.3
265	22.0	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 10.582 ng m

RT: 14.53 min Scan# 2166

Delta R.T. 0.00 min

Lab File: BF097491.D

Acq: 9 Aug 2017 1:51

Instrument :

BNA_F

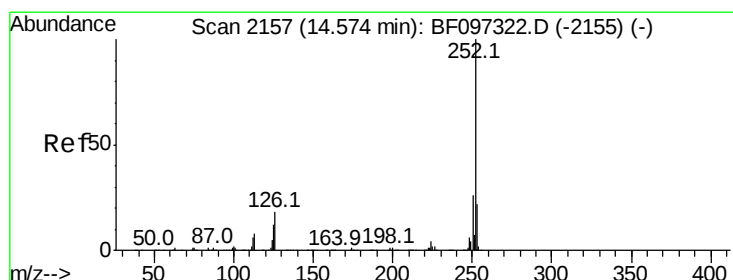
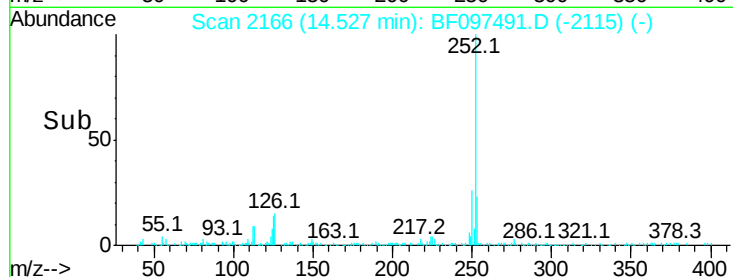
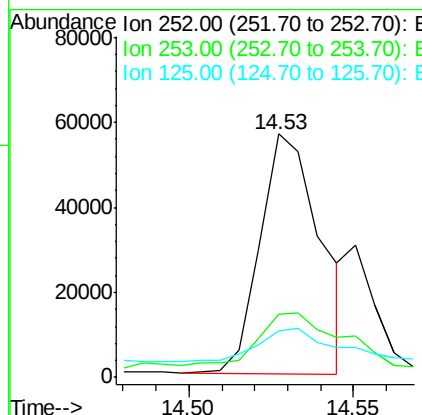
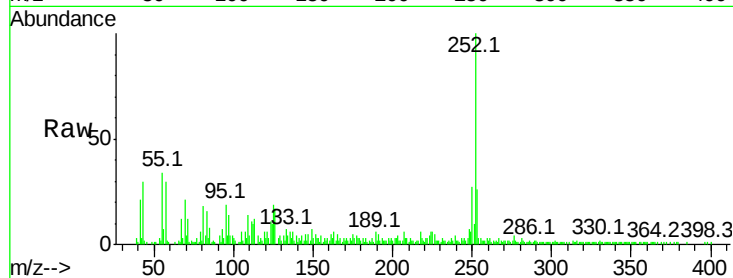
ClientSampleId :

CL-01-080717-E

Tot Ion:	252	Resp:	71736
Ion Ratio	Lower	Upper	
252	100		
253	25.9	18.1	27.1
125	19.3	9.8	14.8#

Manual Integrations
APPROVED

Sohil
8/9/2017 7:16:46 PM



#88

Benzo(k)fluoranthene

Concen: 2.935 ng m

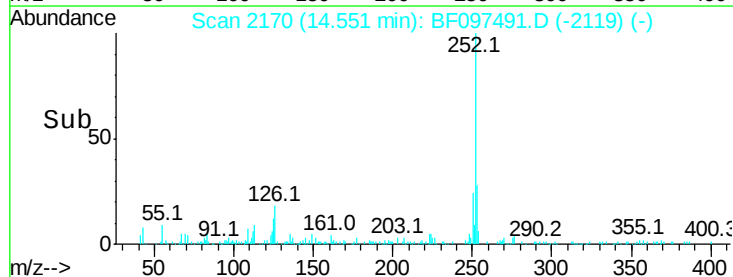
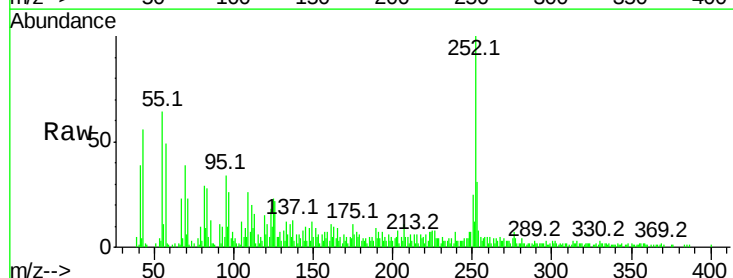
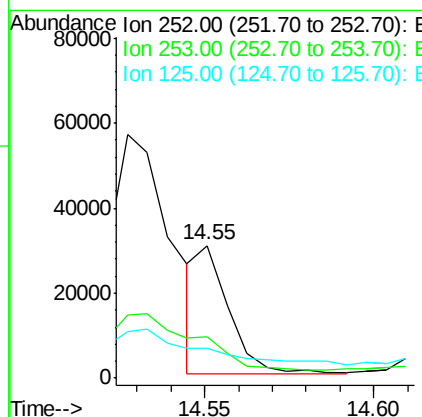
RT: 14.55 min Scan# 2170

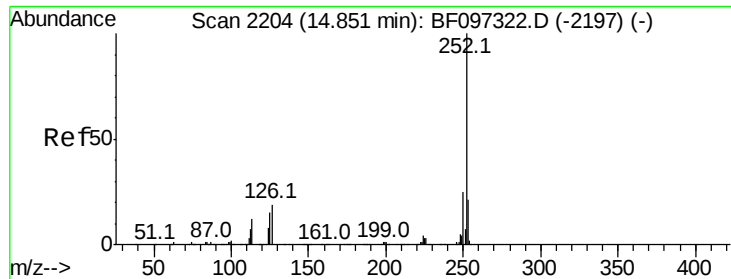
Delta R.T. 0.00 min

Lab File: BF097491.D

Acq: 9 Aug 2017 1:51

Tgt Ion:	252	Resp:	18958
Ion Ratio	Lower	Upper	
252	100		
253	30.9	18.4	27.6#
125	22.9	13.1	19.7#





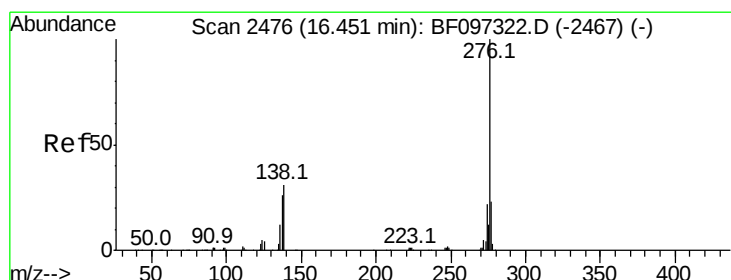
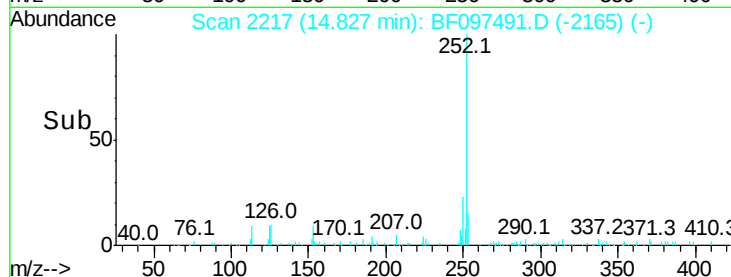
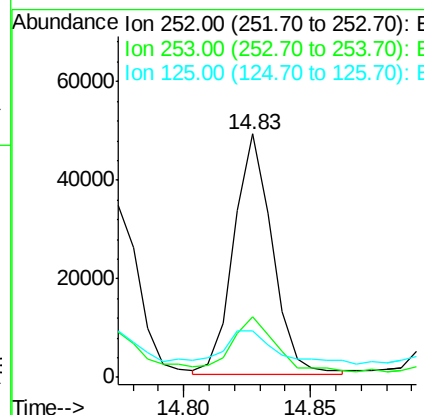
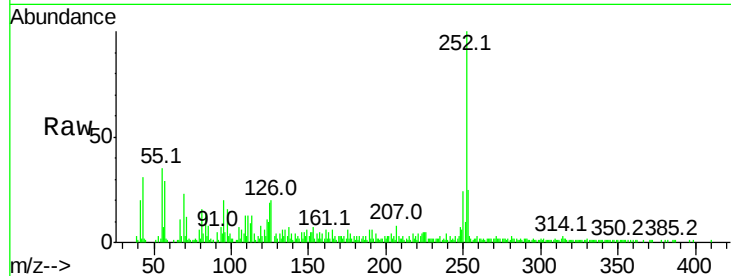
#89
Benzo(a)pyrene
Concen: 8.252 ng
RT: 14.83 min Scan# 2217
Delta R.T. 0.01 min
Lab File: BF097491.D
Acq: 9 Aug 2017 1:51

Instrument :
BNA_F
ClientSampleId :
CL-01-080717-E

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.5	26.3
125	19.3	11.0	16.4

Manual Integrations
APPROVED

Sohil
8/9/2017 7:16:46 PM



#91
Benzo(g,h,i)perylene
Concen: 4.557 ng
RT: 16.43 min Scan# 2490
Delta R.T. 0.02 min
Lab File: BF097491.D
Acq: 9 Aug 2017 1:51

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.5	18.6	28.0
138	33.5	25.4	38.0

