

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072817\
 Data File : BF097145.D
 Acq On : 28 Jul 2017 10:57
 Operator : SJ/JU
 Sample : I4424-10RE 2X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AU-06-072417-DRE

Manual Integrations
 APPROVED

Sohil
 7/31/2017 6:51:25 PM

Quant Time: Jul 28 13:40:26 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 14:11:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.49	152	62811	20.00	ng	-0.01
21) Naphthalene-d8	7.77	136	267198	20.00	ng	-0.02
38) Acenaphthene-d10	9.52	164	115912	20.00	ng	-0.02
63) Phenanthrene-d10	10.99	188	189357	20.00	ng	-0.02
75) Chrysene-d12	13.61	240	114455	20.00	ng	-0.02
86) Perylene-d12	14.96	264	115704	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.09	112	430619	103.35	ng	-0.01
7) Phenol-d6	6.15	99	492009	103.44	ng	-0.02
23) Nitrobenzene-d5	7.05	82	291327	63.96	ng	-0.02
41) 2,4,6-Tribromophenol	10.30	330	98920	108.01	ng	-0.02
44) 2-Fluorobiphenyl	8.85	172	464854	68.06	ng	-0.02
78) Terphenyl-d14	12.57	244	292153	52.04	ng	-0.02
Target Compounds						
10) Phenol	6.16	94	13124	2.326	ng	82
49) Dimethylphthalate	9.25	163	99917	11.351	ng	99
59) Diethylphthalate	9.95	149	22114	2.738	ng	99
70) Phenanthrene	11.01	178	23835	2.349	ng	97
74) Fluoranthene	12.19	202	43027	4.329	ng	98
77) Pyrene	12.42	202	41623	4.442	ng	98
80) Benzo(a)anthracene	13.60	228	18920	2.555	ng	94
82) Chrysene	13.64	228	19063	2.636	ng	96
87) Benzo(b)fluoranthene	14.60	252	24157m	3.473	ng	
89) Benzo(a)pyrene	14.91	252	18693	2.937	ng	# 92

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

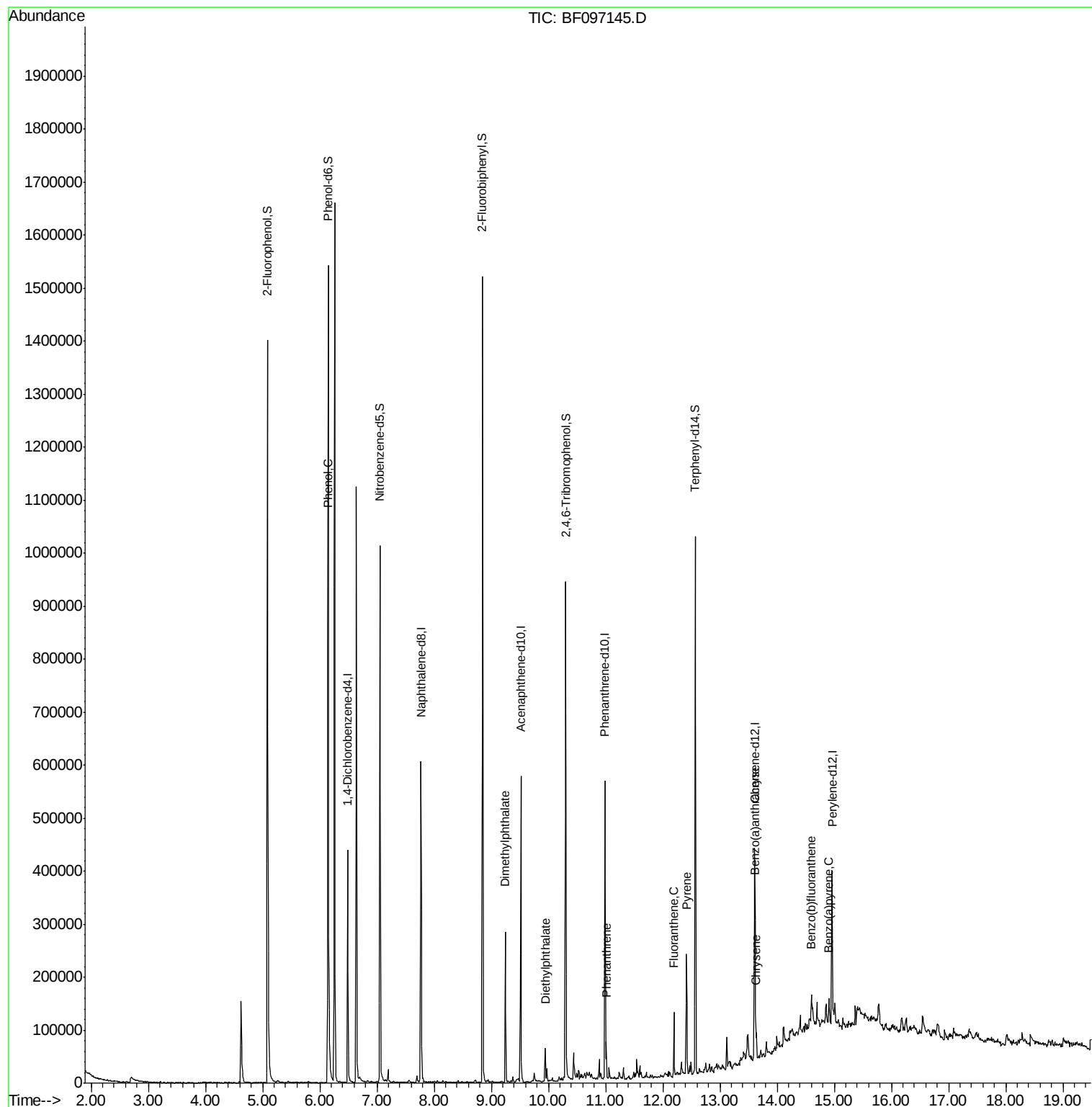
Data Path : Z:\HPCHEM1\BNA F\DATA\BF072817\
Data File : BF097145.D
Acq On : 28 Jul 2017 10:57
Operator : SJ/JU
Sample : I4424-10RE 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

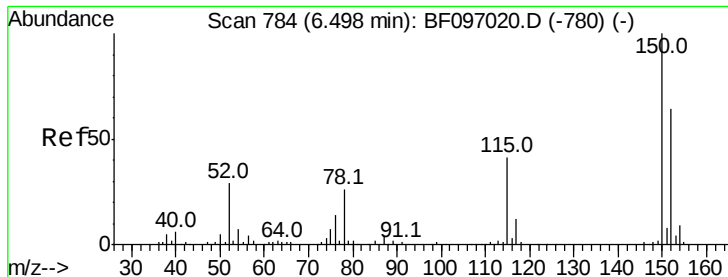
Instrument :
BNA_F
ClientSampleId :
AU-06-072417-DRE

Manual Integrations
APPROVED

Sohil
7/31/2017 6:51:25 PM

Quant Time: Jul 28 13:40:26 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 25 14:11:51 2017
Response via : Initial Calibration





#1

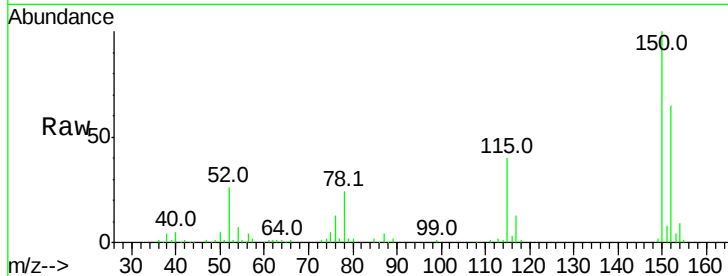
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.49 min Scan# 782
Delta R.T. -0.01 min
Lab File: BF097145.D
Acq: 28 Jul 2017 10:57

Instrument :
BNA_F
ClientSampleId :
AU-06-072417-DRE

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.2	126.2	189.2
115	62.2	52.2	78.2

Manual Integrations
APPROVED

Sohil
7/31/2017 6:51:25 PM

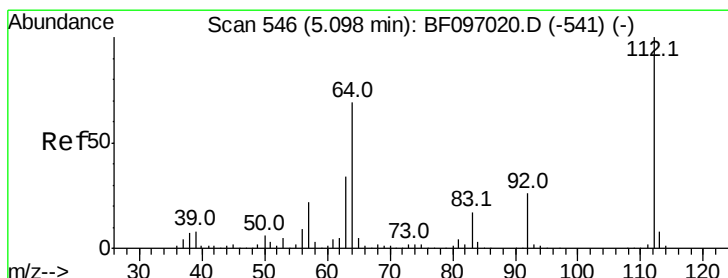
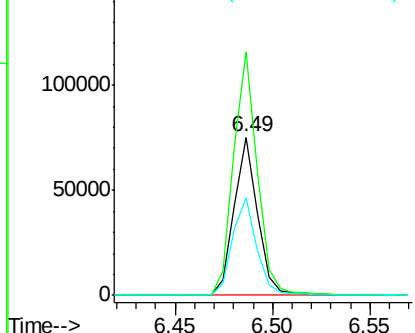
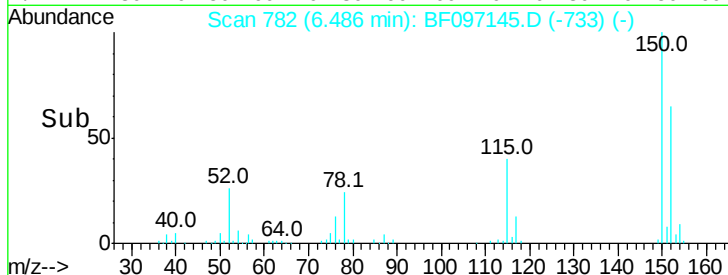


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

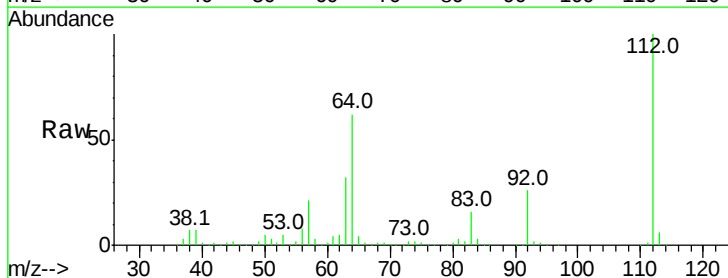
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 103.350 ng
RT: 5.09 min Scan# 544
Delta R.T. -0.01 min
Lab File: BF097145.D
Acq: 28 Jul 2017 10:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.3	46.0	69.0
63	32.3	23.4	35.0

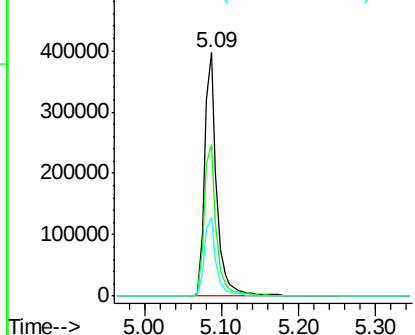
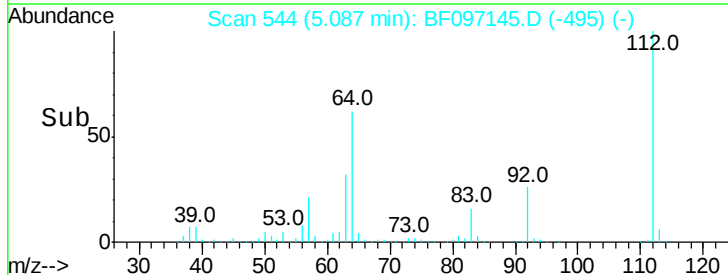


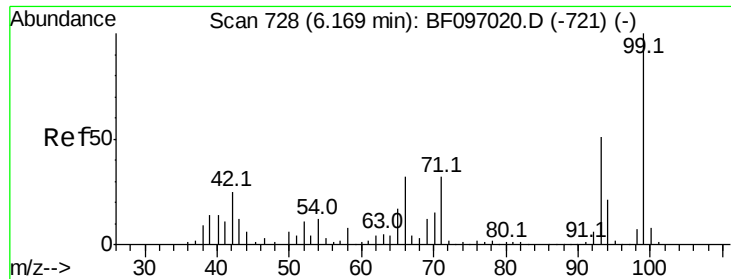
Abundance

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: 103.436 ng

RT: 6.15 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF097145.D

Acq: 28 Jul 2017 10:57

Instrument :

BNA_F

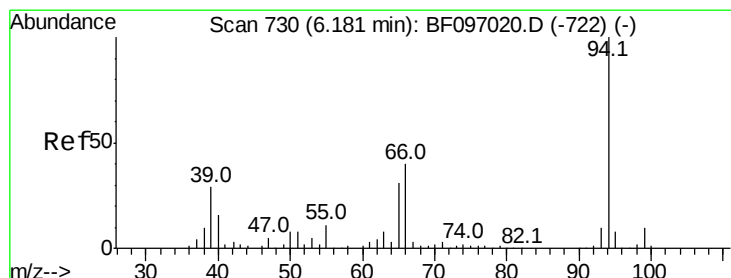
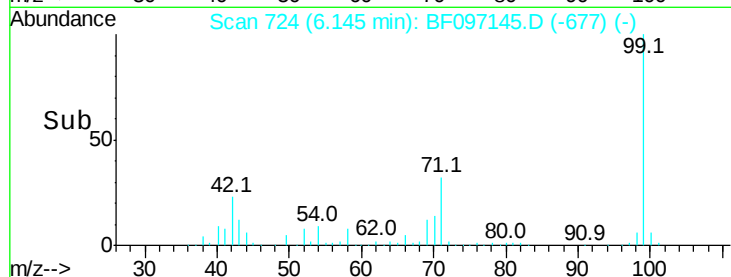
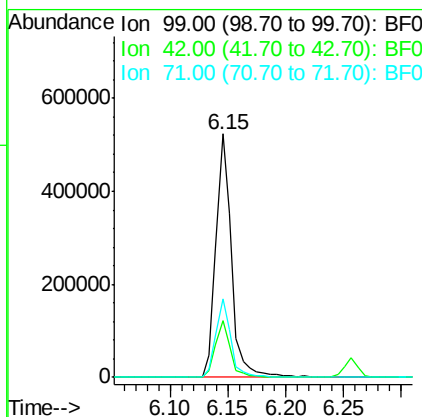
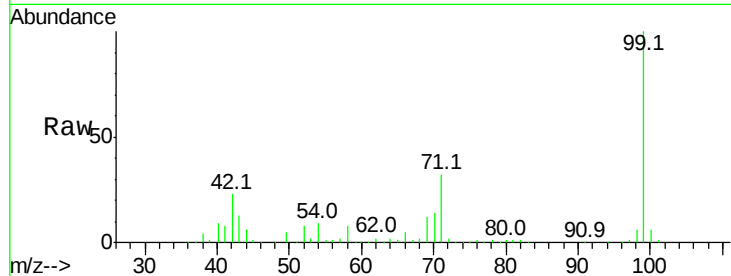
ClientSampleId :

AU-06-072417-DRE

Tot Ion:	99	Resp:	492009
Ion Ratio	Lower	Upper	
99	100		
42	23.4	13.5	20.3#
71	32.4	24.5	36.7

Manual Integrations
APPROVED

Sohil
7/31/2017 6:51:25 PM



#10

Phenol

Concen: 2.326 ng

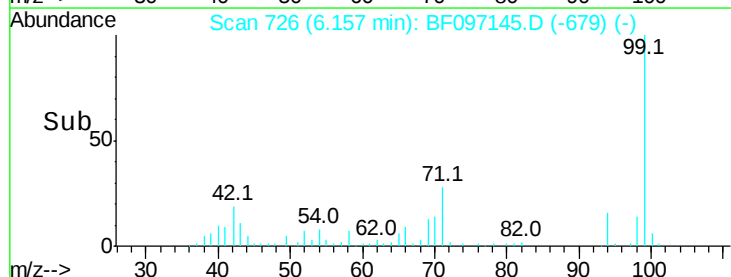
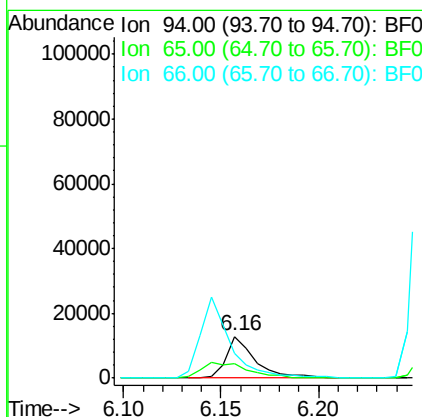
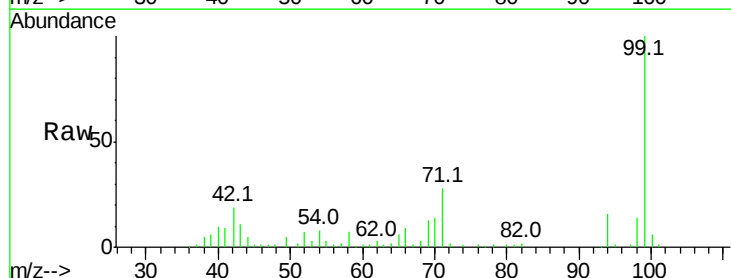
RT: 6.16 min Scan# 726

Delta R.T. -0.02 min

Lab File: BF097145.D

Acq: 28 Jul 2017 10:57

Tgt Ion:	94	Resp:	13124
Ion Ratio	Lower	Upper	
94	100		
65	35.7	9.9	49.9
66	58.4	23.1	63.1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.77 min Scan# 1000

Delta R.T. -0.02 min

Lab File: BF097145.D

Acq: 28 Jul 2017 10:57

Instrument :

BNA_F

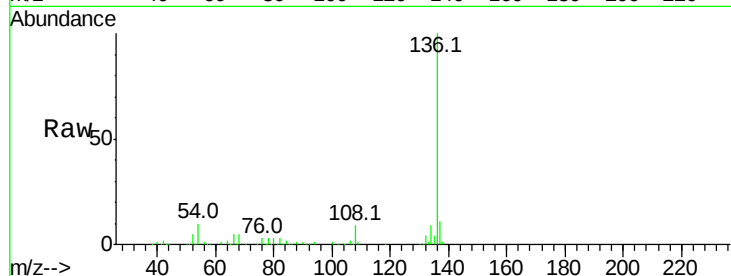
ClientSampleId :

AU-06-072417-DRE

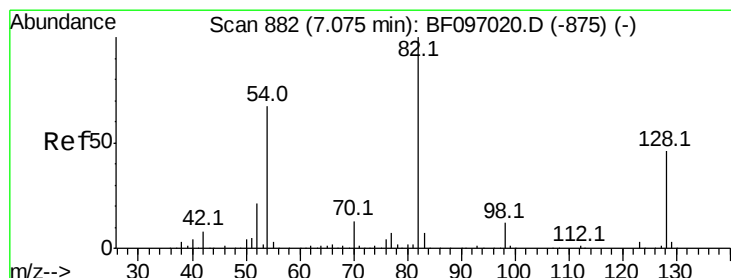
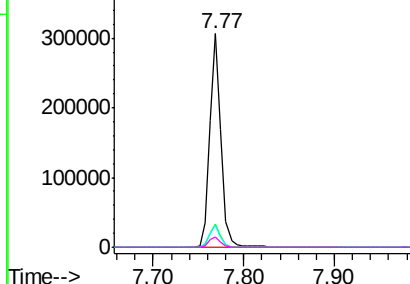
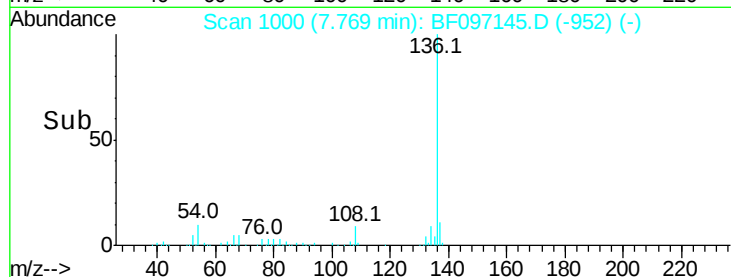
Tot Ion	Ratio	Resp	Lower	Upper
136	100	267198		
137	10.5		8.5	12.7
54	10.3		4.9	7.3#
68	5.0		4.1	6.1

Manual Integrations
APPROVED

Sohil
7/31/2017 6:51:25 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: 63.962 ng

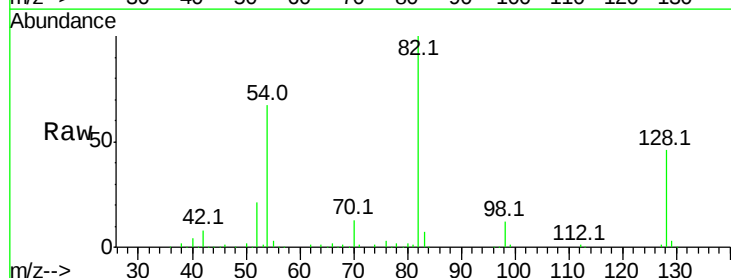
RT: 7.05 min Scan# 878

Delta R.T. -0.02 min

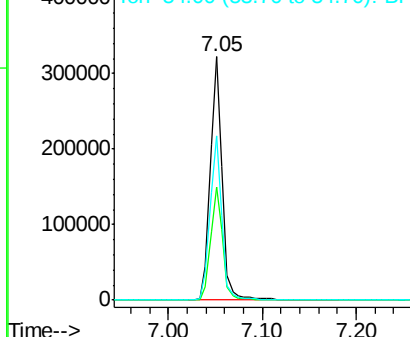
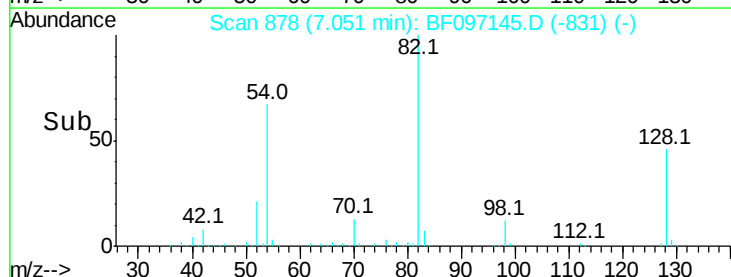
Lab File: BF097145.D

Acq: 28 Jul 2017 10:57

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	291327		
128	46.5		34.0	51.0
54	67.3		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





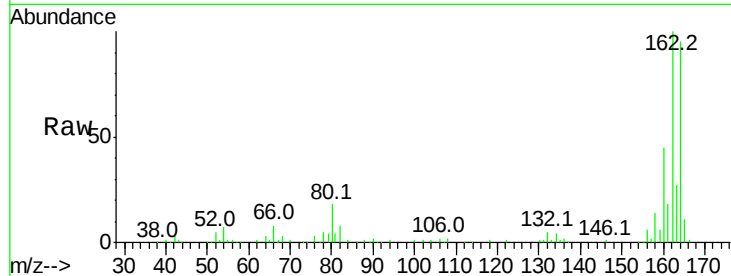
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.52 min Scan# 1297
 Delta R.T. -0.02 min
 Lab File: BF097145.D
 Acq: 28 Jul 2017 10:57

Instrument :
 BNA_F
 ClientSampleId :
 AU-06-072417-DRE

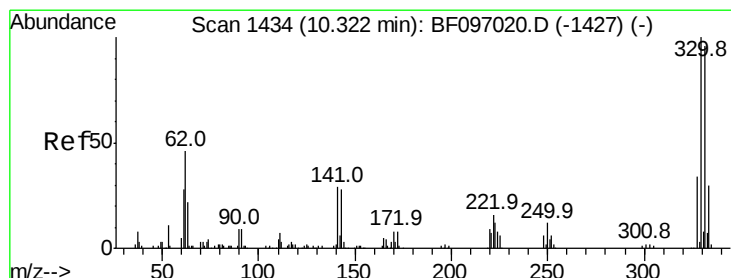
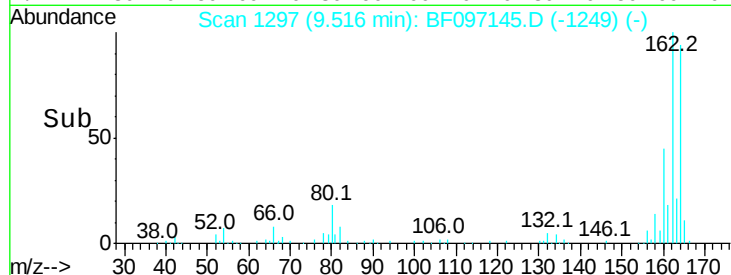
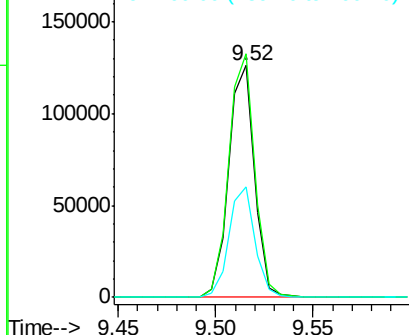
Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	105.0	82.6	123.8	
160	47.4	36.2	54.2	

Manual Integrations
 APPROVED

Sohil
 7/31/2017 6:51:25 PM



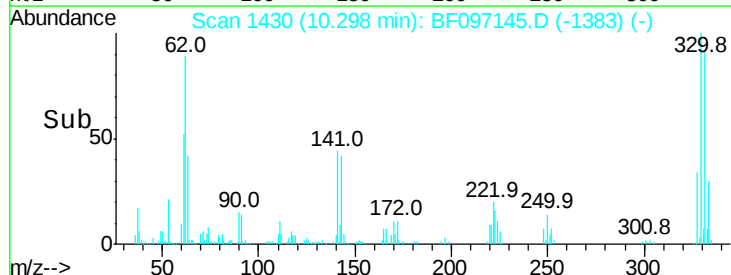
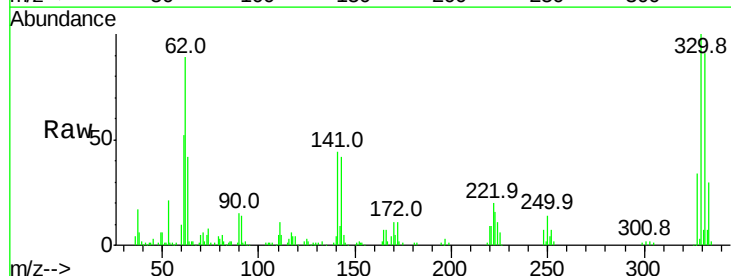
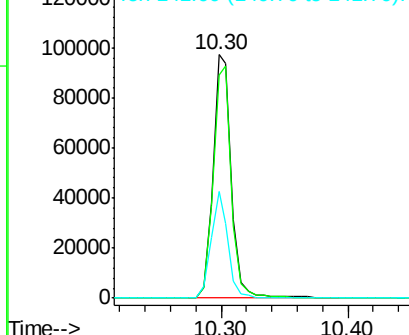
Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E



#41
 2,4,6-Tribromophenol
 Concen: 108.013 ng
 RT: 10.30 min Scan# 1430
 Delta R.T. -0.02 min
 Lab File: BF097145.D
 Acq: 28 Jul 2017 10:57

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	94.4	76.6	115.0	
141	40.0	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





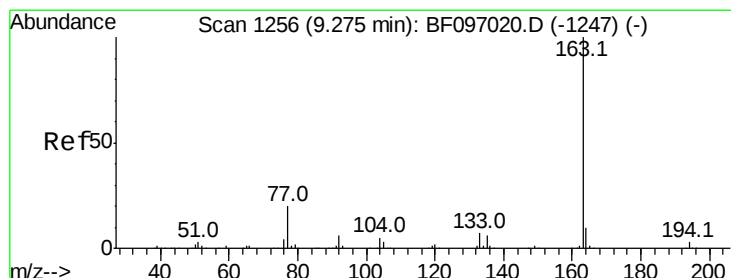
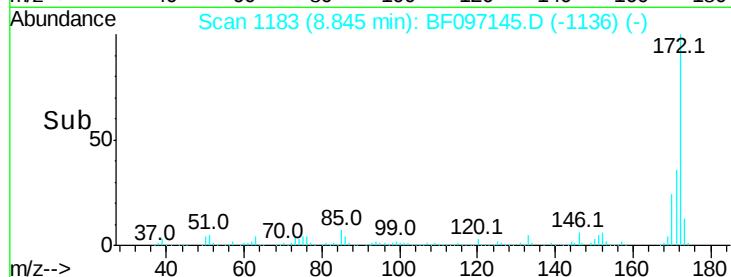
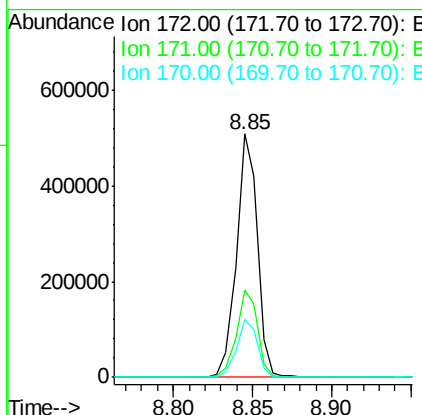
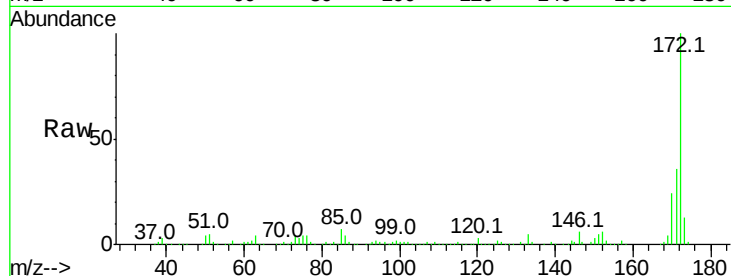
#44
2-Fluorobiphenyl
Concen: 68.060 ng
RT: 8.85 min Scan# 1183
Delta R.T. -0.02 min
Lab File: BF097145.D
Acq: 28 Jul 2017 10:57

Instrument :
BNA_F
ClientSampleId :
AU-06-072417-DRE

Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.2	29.6	44.4	
170	23.8	19.8	29.8	

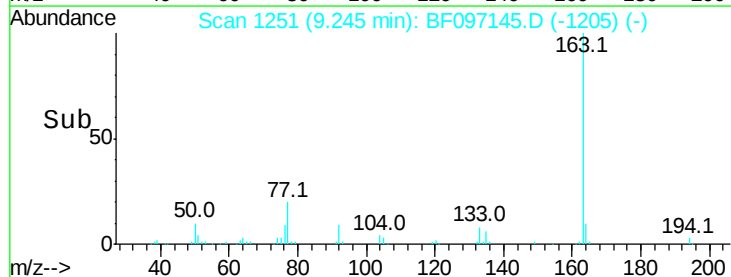
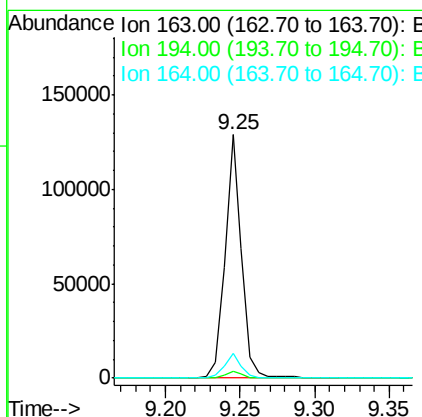
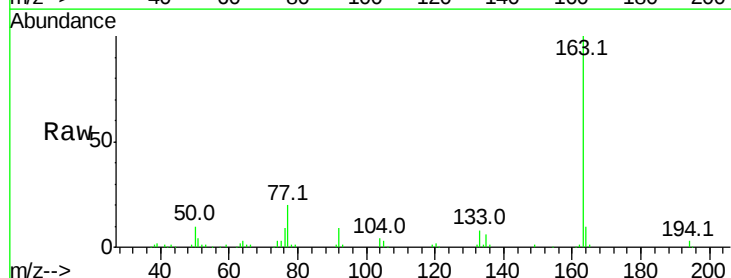
Manual Integrations
APPROVED

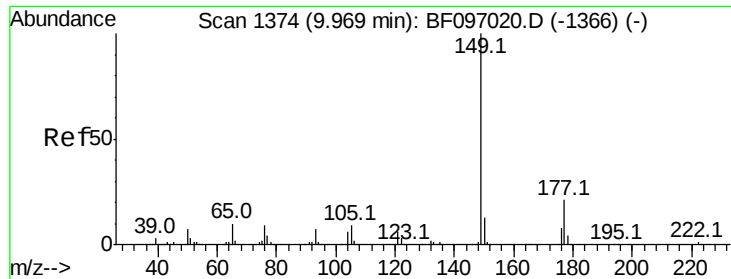
Sohil
7/31/2017 6:51:25 PM



#49
Dimethylphthalate
Concen: 11.351 ng
RT: 9.25 min Scan# 1251
Delta R.T. -0.03 min
Lab File: BF097145.D
Acq: 28 Jul 2017 10:57

Tgt Ion	Ratio	Resp	Lower	Upper
163	100			
194	2.8	2.6	4.0	
164	10.2	8.4	12.6	





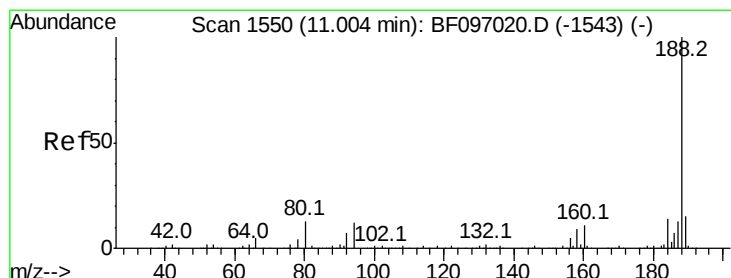
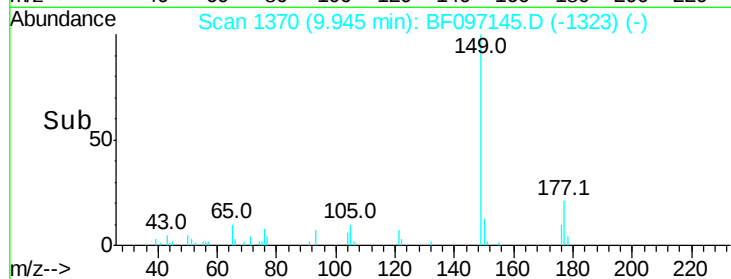
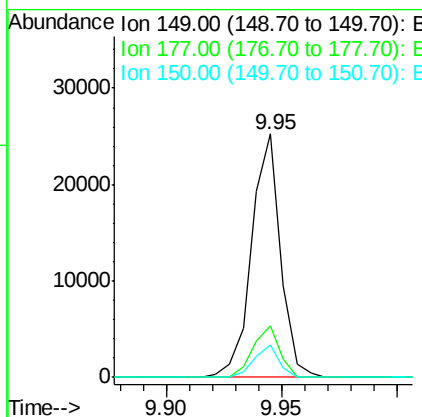
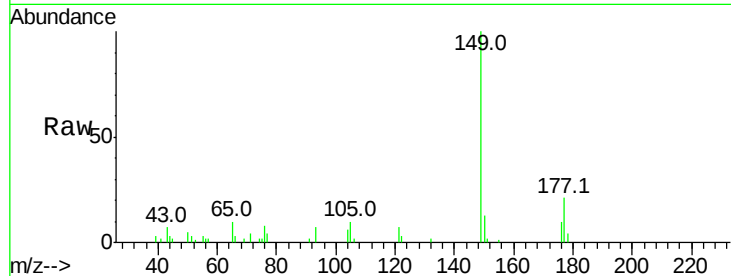
#59
Diethylphthalate
Concen: 2.738 ng
RT: 9.95 min Scan# 1370
Delta R.T. -0.02 min
Lab File: BF097145.D
Acq: 28 Jul 2017 10:57

Instrument :
BNA_F
ClientSampleId :
AU-06-072417-DRE

Tot Ion	Ratio	Lower	Upper
149	100		
177	21.2	16.7	25.1
150	13.2	10.2	15.2

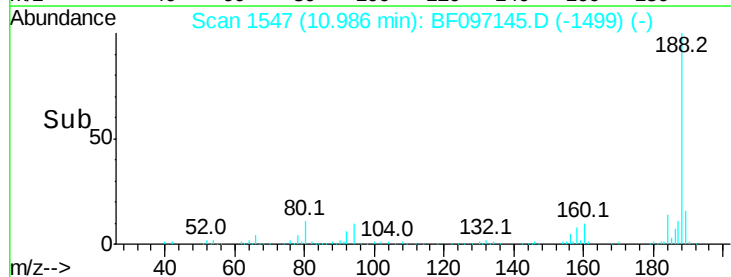
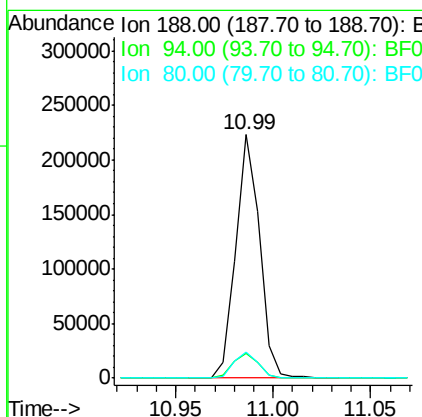
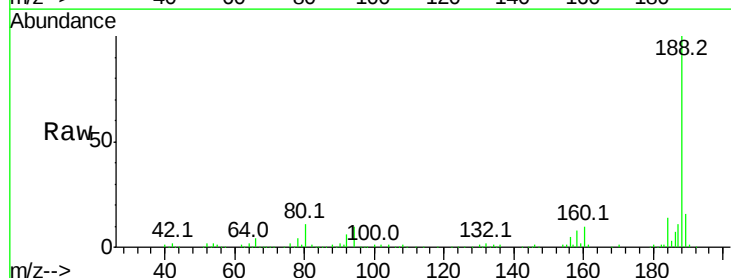
Manual Integrations
APPROVED

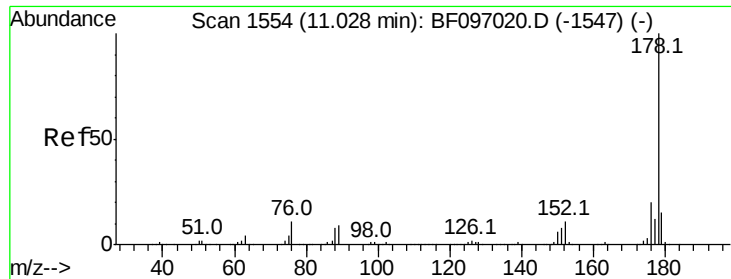
Sohil
7/31/2017 6:51:25 PM



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 10.99 min Scan# 1547
Delta R.T. -0.02 min
Lab File: BF097145.D
Acq: 28 Jul 2017 10:57

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.4	9.4	14.2
80	10.9	10.2	15.2





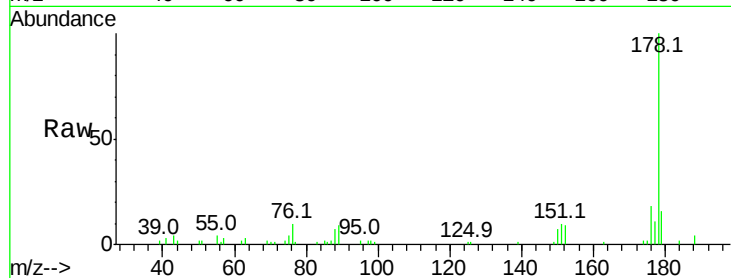
#70
Phenanthrene
Concen: 2.349 ng
RT: 11.01 min Scan# 1551
Delta R.T. -0.02 min
Lab File: BF097145.D
Acq: 28 Jul 2017 10:57

Instrument :
BNA_F
ClientSampleId :
AU-06-072417-DRE

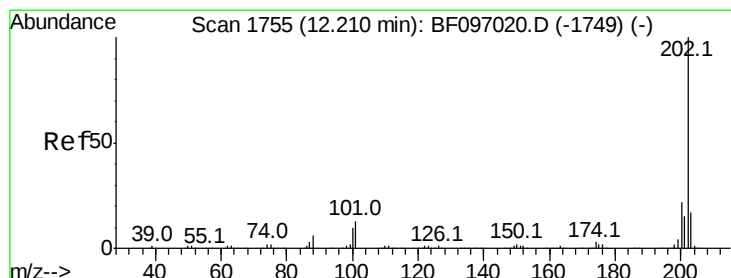
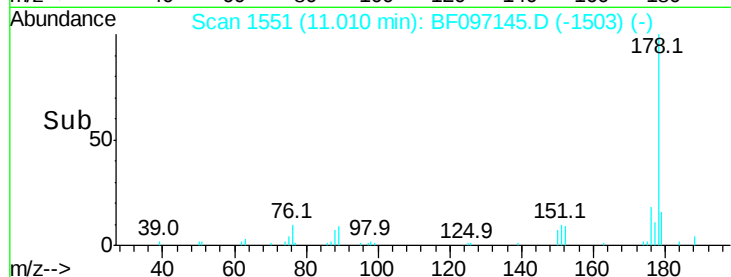
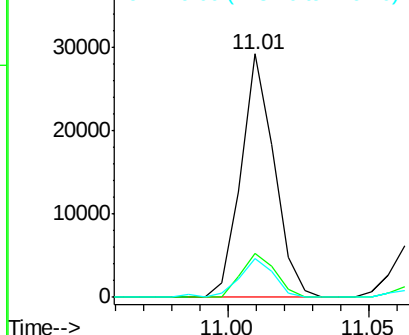
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.1	16.2	24.4
179	16.0	12.6	19.0

Manual Integrations
APPROVED

Sohil
7/31/2017 6:51:25 PM



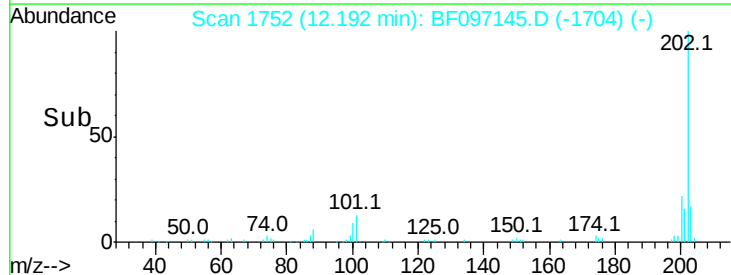
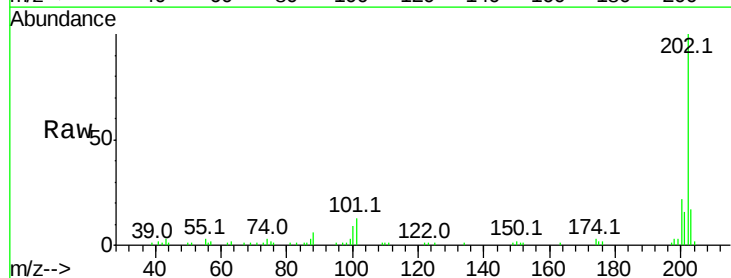
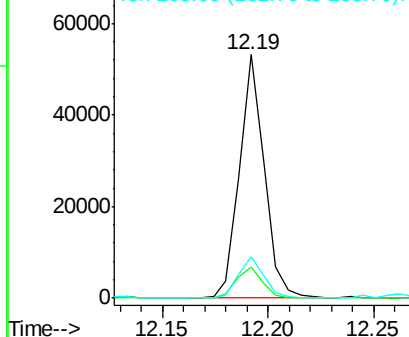
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

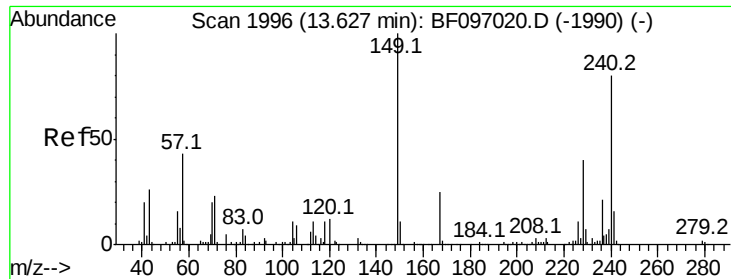


#74
Fluoranthene
Concen: 4.329 ng
RT: 12.19 min Scan# 1752
Delta R.T. -0.02 min
Lab File: BF097145.D
Acq: 28 Jul 2017 10:57

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	33.2
203	16.8	0.0	38.1

Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.61 min Scan# 1993

Delta R.T. -0.02 min

Lab File: BF097145.D

Acq: 28 Jul 2017 10:57

Instrument :

BNA_F

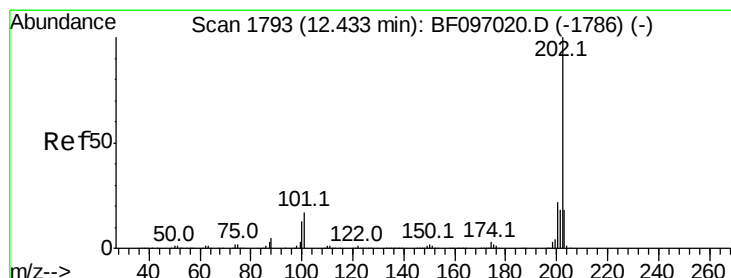
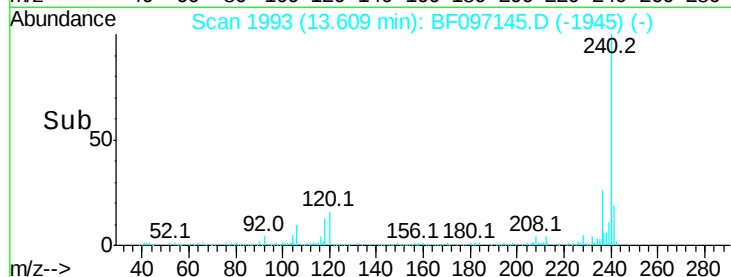
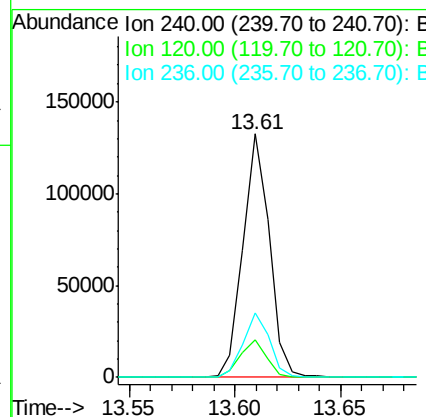
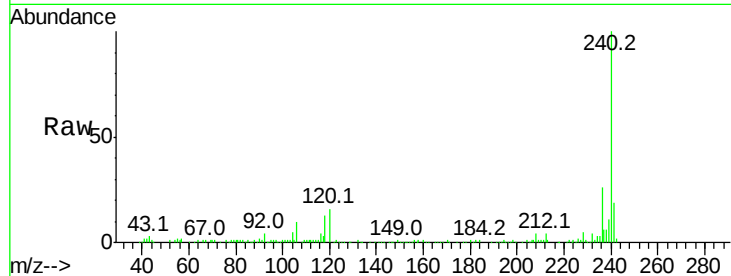
ClientSampleId :

AU-06-072417-DRE

Tot Ion	Ratio	Lower	Upper
240	100		
120	15.6	5.8	8.8#
236	26.3	20.5	30.7

Manual Integrations
APPROVED

Sohil
7/31/2017 6:51:25 PM



#77

Pyrene

Concen: 4.442 ng

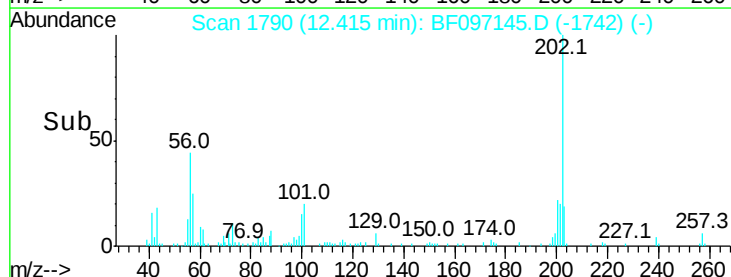
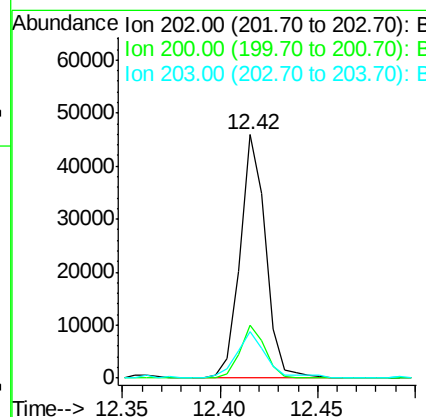
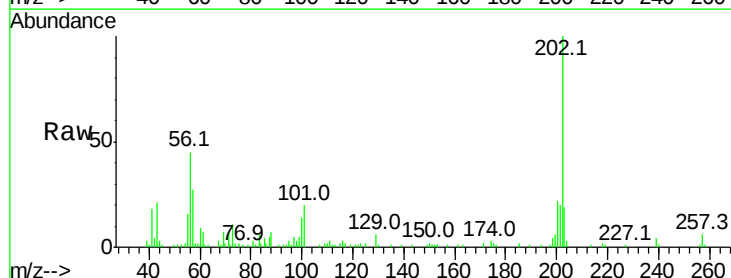
RT: 12.42 min Scan# 1790

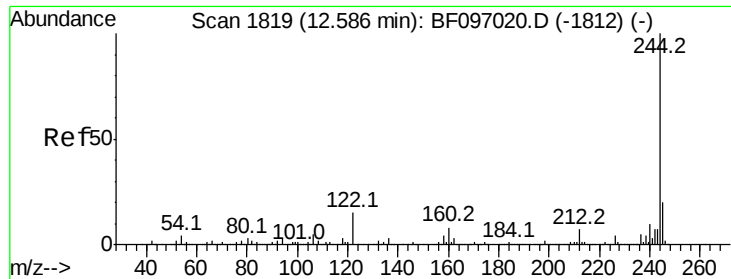
Delta R.T. -0.02 min

Lab File: BF097145.D

Acq: 28 Jul 2017 10:57

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.6	26.4
203	19.3	14.4	21.6





#78

Terphenyl-d14

Concen: 52.043 ng

RT: 12.57 min Scan# 1816

Delta R.T. -0.02 min

Lab File: BF097145.D

Acq: 28 Jul 2017 10:57

Instrument :

BNA_F

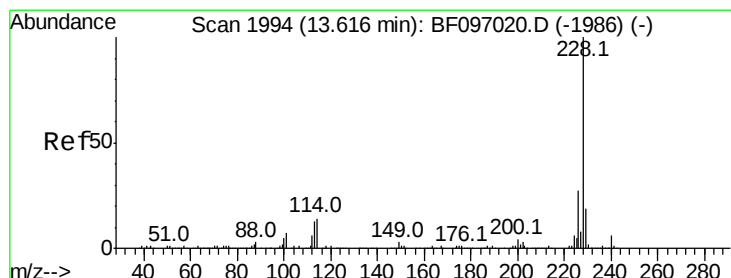
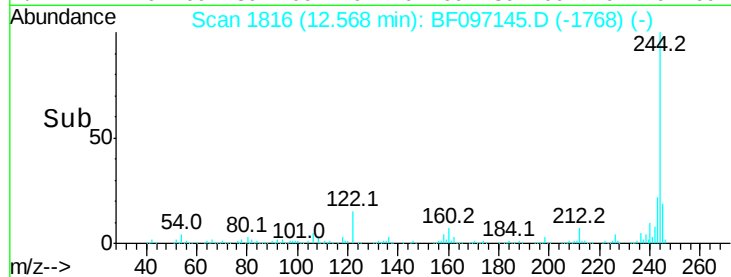
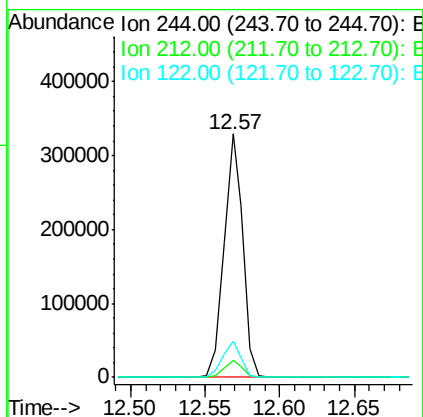
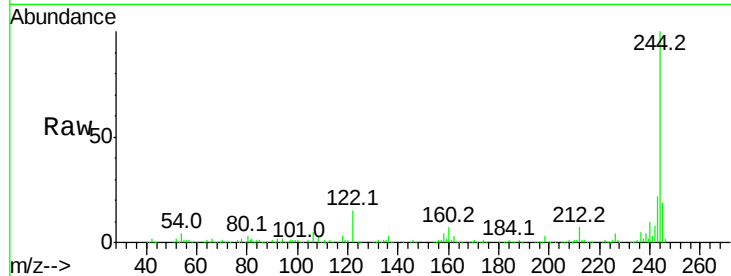
ClientSampleId :

AU-06-072417-DRE

Tot Ion:	244	Resp:	292153
Ion Ratio	Lower	Upper	
244	100		
212	6.9	6.0	9.0
122	14.9	10.3	15.5

Manual Integrations
APPROVED

Sohil
7/31/2017 6:51:25 PM



#80

Benzo(a)anthracene

Concen: 2.555 ng

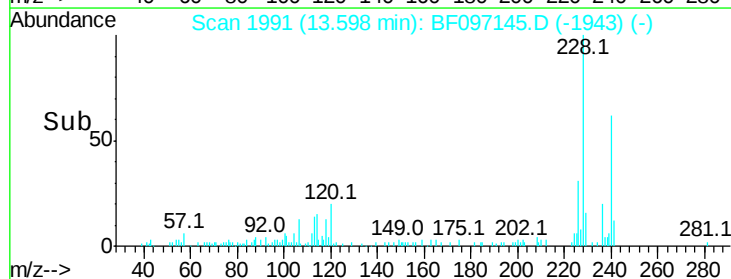
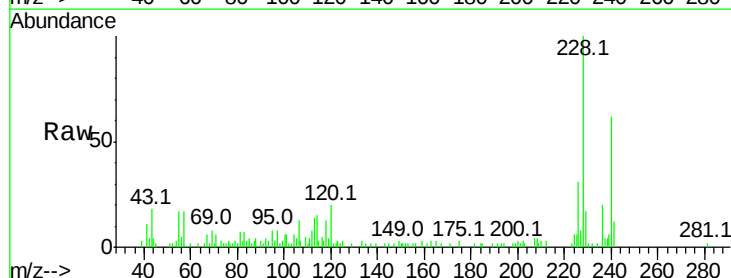
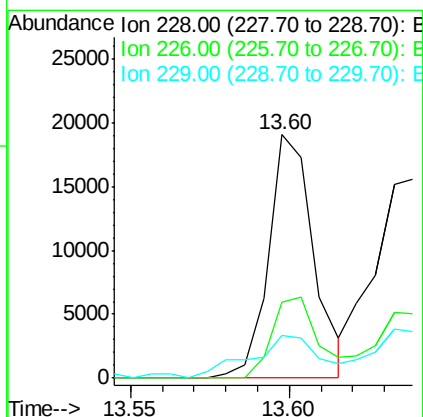
RT: 13.60 min Scan# 1991

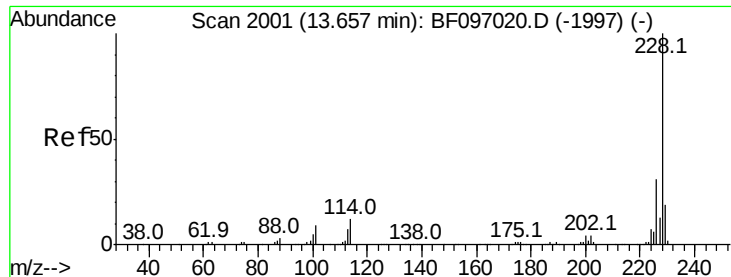
Delta R.T. -0.02 min

Lab File: BF097145.D

Acq: 28 Jul 2017 10:57

Tgt Ion:	228	Resp:	18920
Ion Ratio	Lower	Upper	
228	100		
226	31.3	22.6	33.8
229	17.5	16.3	24.5





#82

Chrysene

Concen: 2.636 ng

RT: 13.64 min Scan# 1998

Delta R.T. -0.02 min

Lab File: BF097145.D

Acq: 28 Jul 2017 10:57

Instrument :

BNA_F

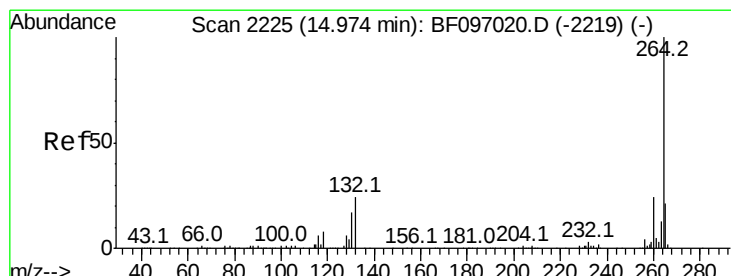
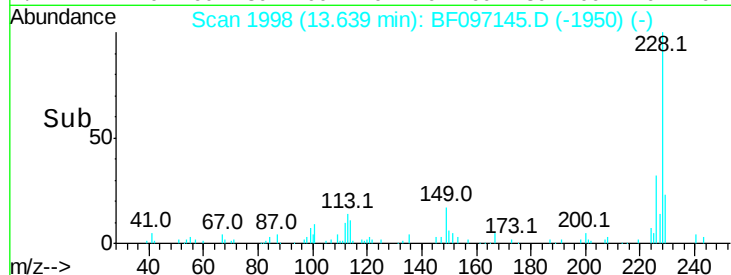
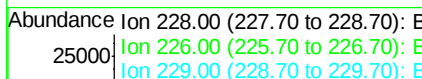
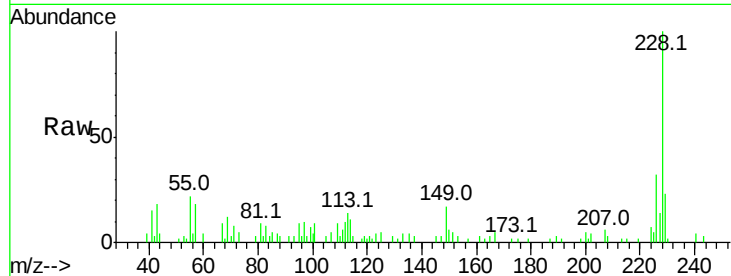
ClientSampleId :

AU-06-072417-DRE

Tot Ion:	228	Resp:	19063
Ion Ratio	Lower	Upper	
228	100		
226	32.1	24.9	37.3
229	23.2	15.8	23.6

Manual Integrations
APPROVED

Sohil
7/31/2017 6:51:25 PM



#86

Perylene-d12

Concen: 20.000 ng

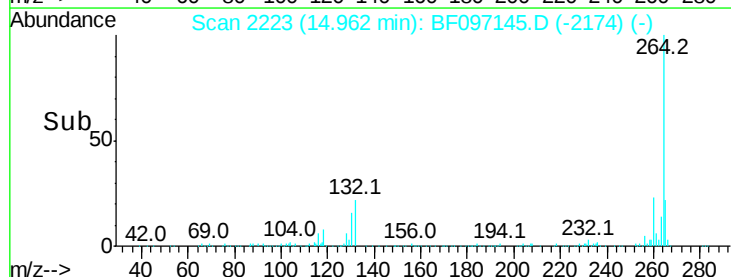
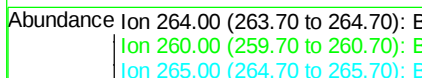
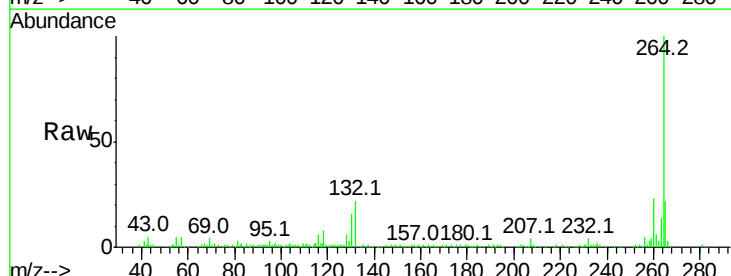
RT: 14.96 min Scan# 2223

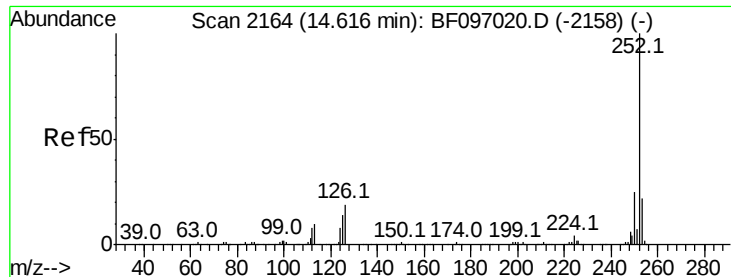
Delta R.T. -0.01 min

Lab File: BF097145.D

Acq: 28 Jul 2017 10:57

Tgt Ion:	264	Resp:	115704
Ion Ratio	Lower	Upper	
264	100		
260	22.9	19.5	29.3
265	21.7	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 3.473 ng

RT: 14.60 min Scan# 2162

Delta R.T. -0.01 min

Lab File: BF097145.D

Acq: 28 Jul 2017 10:57

Instrument :

BNA_F

ClientSampleId :

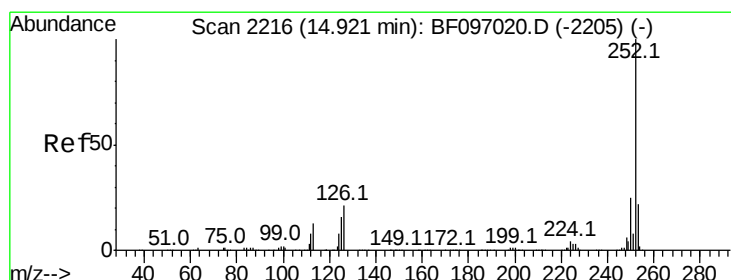
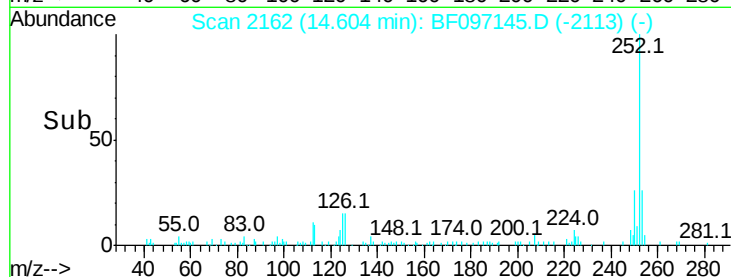
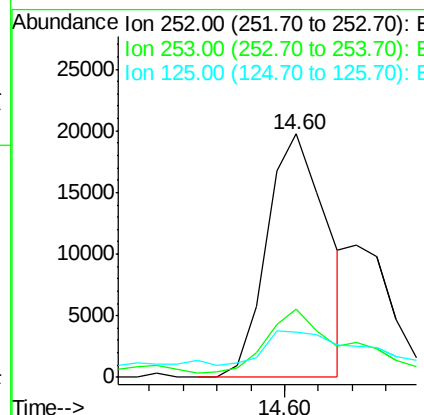
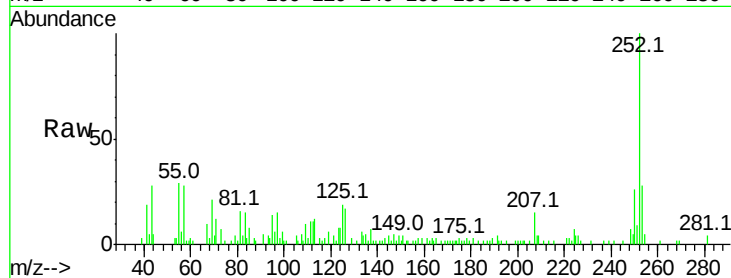
AU-06-072417-DRE

Tot Ion:	252	Resp:	24157
Ion Ratio	Lower	Upper	
252	100		
253	27.9	18.1	27.1#
125	18.8	9.8	14.8#

Manual Integrations
APPROVED

Sohil

7/31/2017 6:51:25 PM



#89

Benzo(a)pyrene

Concen: 2.937 ng

RT: 14.91 min Scan# 2214

Delta R.T. -0.01 min

Lab File: BF097145.D

Acq: 28 Jul 2017 10:57

Tgt Ion:	252	Resp:	18693
Ion Ratio	Lower	Upper	
252	100		
253	23.9	17.5	26.3
125	19.4	11.0	16.4#

