

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080317\
 Data File : BF097339.D
 Acq On : 4 Aug 2017 1:44
 Operator : SJ/JU
 Sample : I4562-01 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-080117-A

Manual Integrations
 APPROVED

Sohil
 8/4/2017 5:30:57 PM

Quant Time: Aug 04 02:46:06 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 01:17:22 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.45	152	103490	20.00	ng	-0.05
21) Naphthalene-d8	7.73	136	367917	20.00	ng	-0.06
38) Acenaphthene-d10	9.47	164	142793	20.00	ng	-0.06
63) Phenanthrene-d10	10.94	188	219704	20.00	ng	-0.06
75) Chrysene-d12	13.56	240	178125	20.00	ng	-0.06
86) Perylene-d12	14.91	264	107763	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.04	112	159000	23.16	ng	-0.06
7) Phenol-d6	6.12	99	201192	25.67	ng	-0.05
23) Nitrobenzene-d5	7.02	82	91304	14.56	ng	-0.06
41) 2,4,6-Tribromophenol	10.26	330	23871	21.16	ng	-0.06
44) 2-Fluorobiphenyl	8.80	172	172140	20.46	ng	-0.06
78) Terphenyl-d14	12.52	244	131056	15.00	ng	-0.06
Target Compounds						
57) Fluorene	10.02	166	31607	3.891	ng	Qvalue 93
70) Phenanthrene	10.96	178	219881	18.679	ng	98
71) Anthracene	11.02	178	71298	5.913	ng	98
74) Fluoranthene	12.14	202	287252	24.908	ng	97
77) Pyrene	12.37	202	260624	17.872	ng	99
80) Benzo(a)anthracene	13.56	228	119932	10.406	ng	98
82) Chrysene	13.59	228	116610	10.361	ng	95
85) Indeno(1,2,3-cd)pyrene	16.12	276	34930	3.620	ng	96
87) Benzo(b)fluoranthene	14.56	252	90331m	13.945	ng	
88) Benzo(k)fluoranthene	14.57	252	36270m	5.876	ng	
89) Benzo(a)pyrene	14.86	252	62726	10.580	ng	# 90
91) Benzo(a,h,i)perylene	16.47	276	33036	6.480	ng	# 95

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

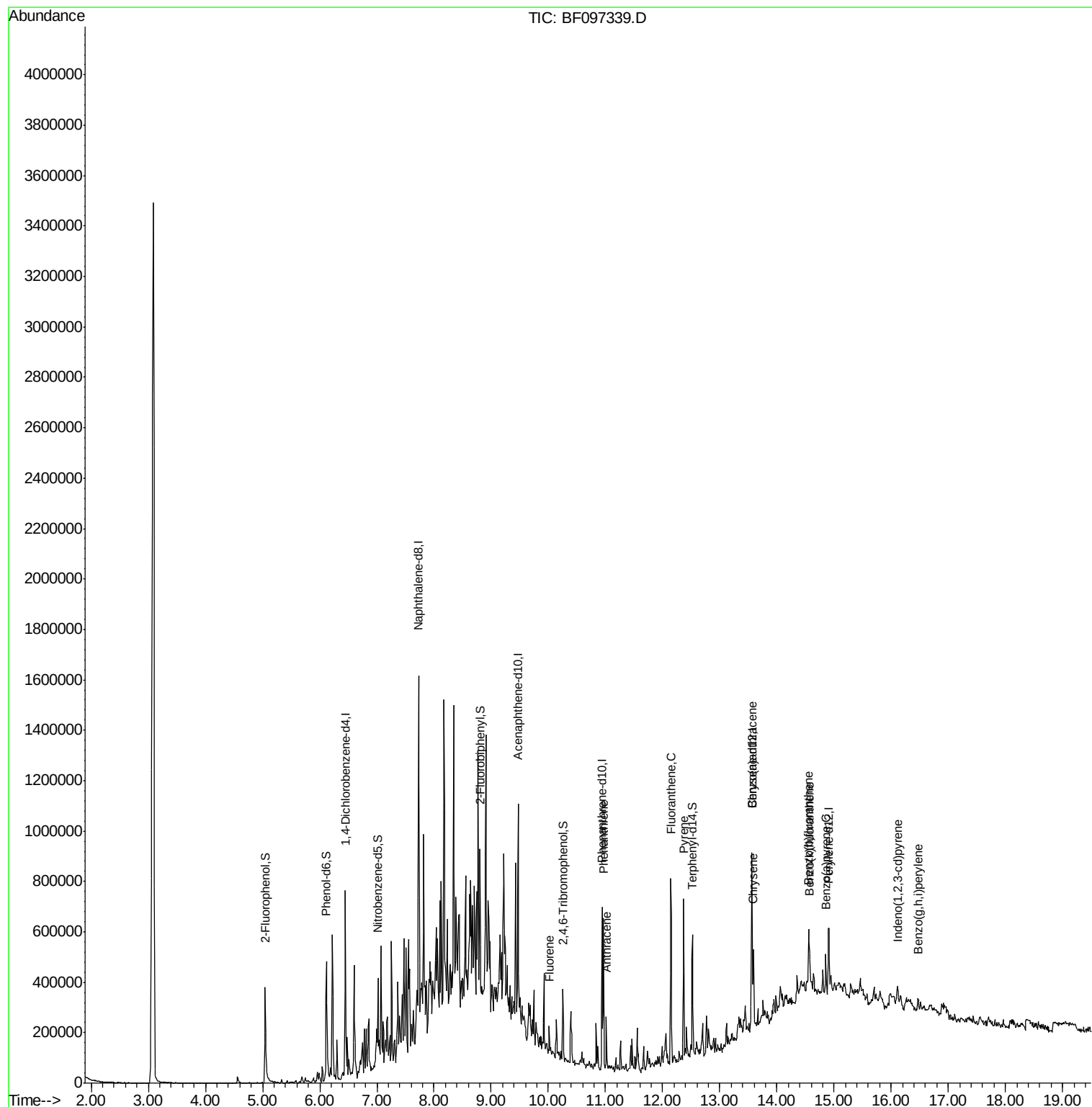
Data Path : Z:\HPCHEM1\BNA F\DATA\BF080317\
Data File : BF097339.D
Acq On : 4 Aug 2017 1:44
Operator : SJ/JU
Sample : I4562-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

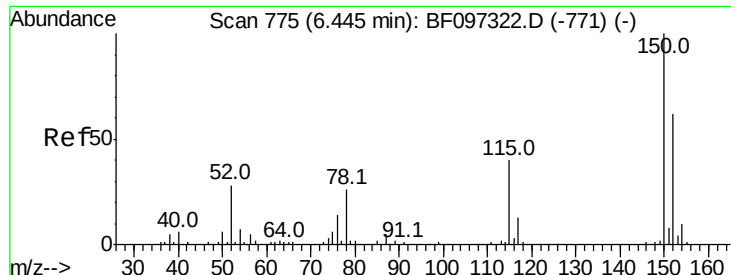
Instrument :
BNA_F
ClientSampleId :
JC-02-080117-A

Manual Integrations
APPROVED

Sohil
8/4/2017 5:30:57 PM

Quant Time: Aug 04 02:46:06 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 04 01:17:22 2017
Response via : Initial Calibration





#1

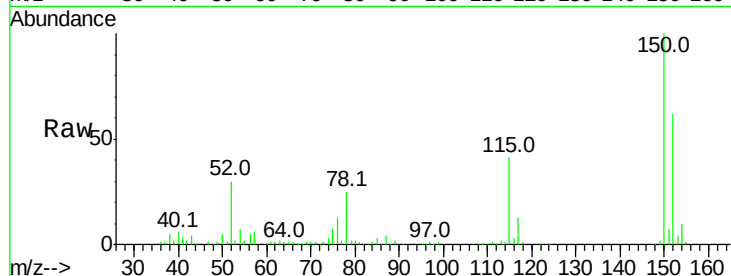
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.45 min Scan# 775
Delta R.T. -0.05 min
Lab File: BF097339.D
Acq: 4 Aug 2017 1:44

Instrument :
BNA_F
ClientSampleId :
JC-02-080117-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.4	126.2	189.2
115	66.5	52.2	78.2

Manual Integrations
APPROVED

Sohil
8/4/2017 5:30:57 PM

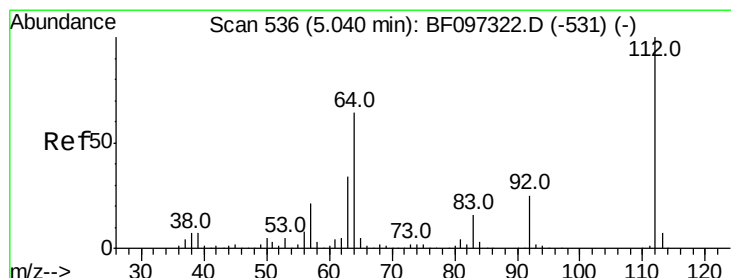
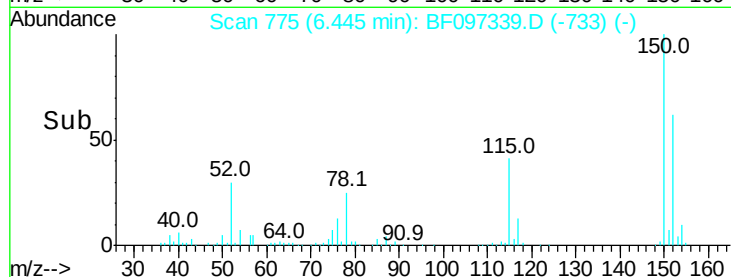
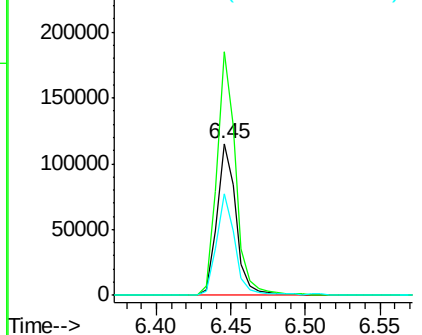


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

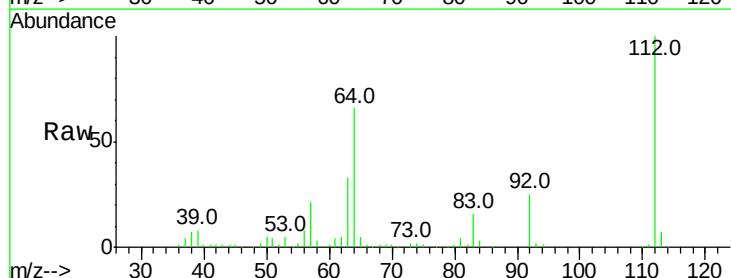
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 23.161 ng
RT: 5.04 min Scan# 536
Delta R.T. -0.06 min
Lab File: BF097339.D
Acq: 4 Aug 2017 1:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.1	46.0	69.0
63	33.1	23.4	35.0

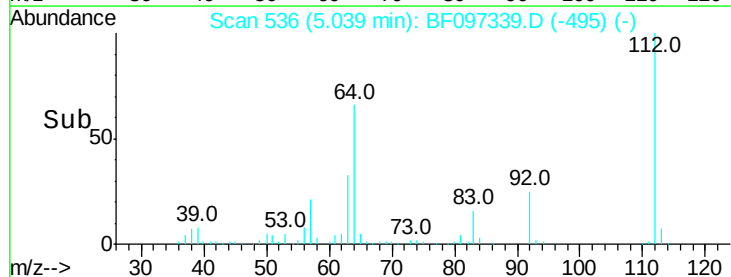
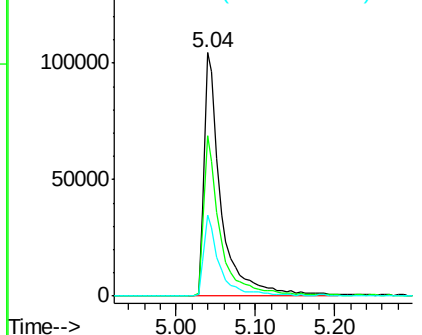


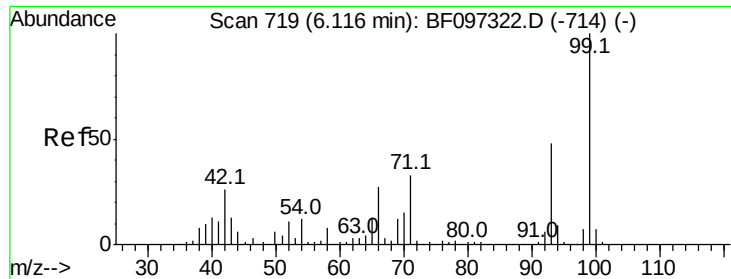
Abundance

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: 25.671 ng

RT: 6.12 min Scan# 719

Delta R.T. -0.05 min

Lab File: BF097339.D

Acq: 4 Aug 2017 1:44

Instrument :

BNA_F

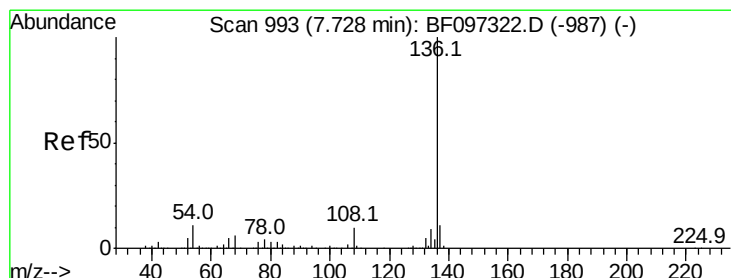
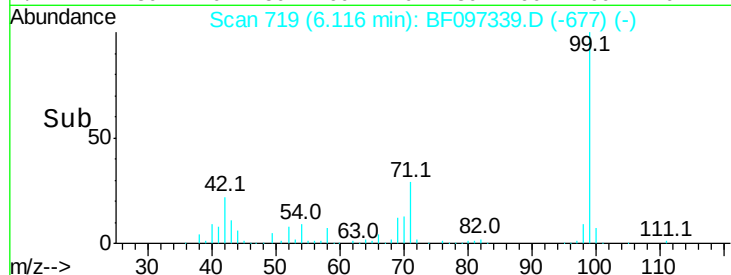
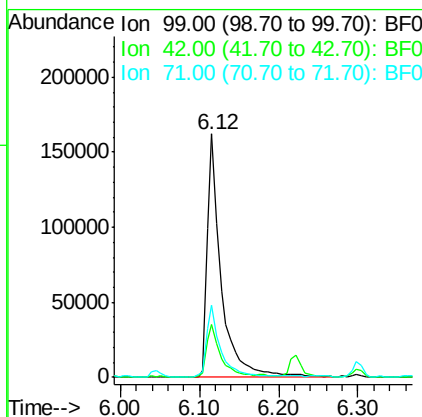
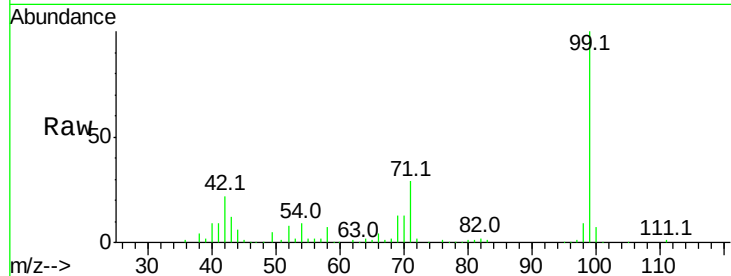
ClientSampleId :

JC-02-080117-A

Tot Ion:	99	Resp:	201192
Ion Ratio	Lower	Upper	
99	100		
42	21.9	13.5	20.3#
71	29.5	24.5	36.7

Manual Integrations
APPROVED

Sohil
8/4/2017 5:30:57 PM



#21

Naphthalene-d8

Concen: 20.000 ng

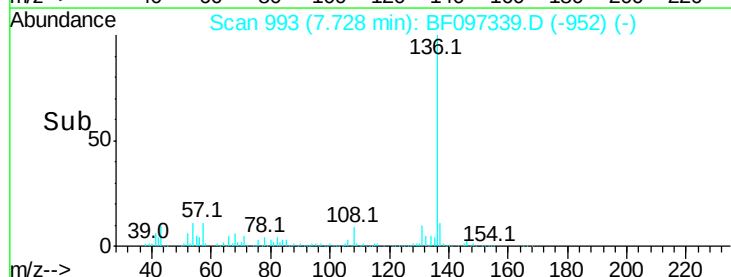
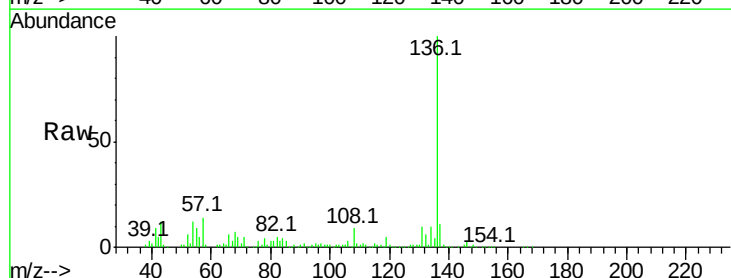
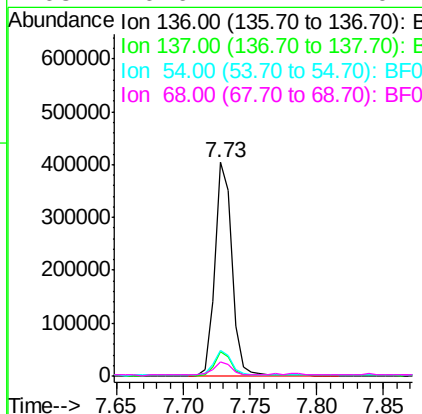
RT: 7.73 min Scan# 993

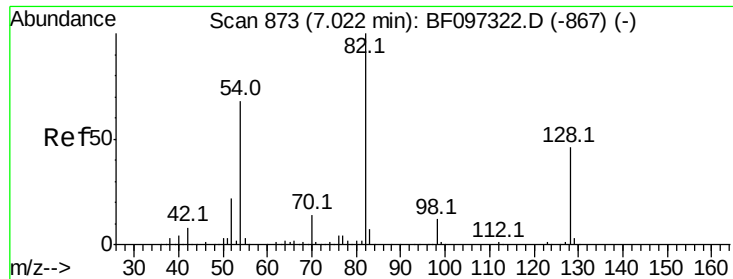
Delta R.T. -0.06 min

Lab File: BF097339.D

Acq: 4 Aug 2017 1:44

Tgt Ion:	136	Resp:	367917
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.5	12.7
54	11.8	4.9	7.3#
68	6.6	4.1	6.1#





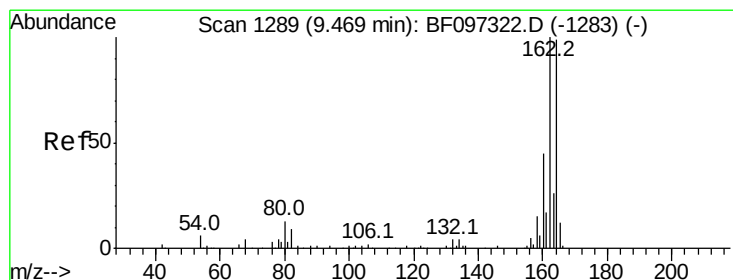
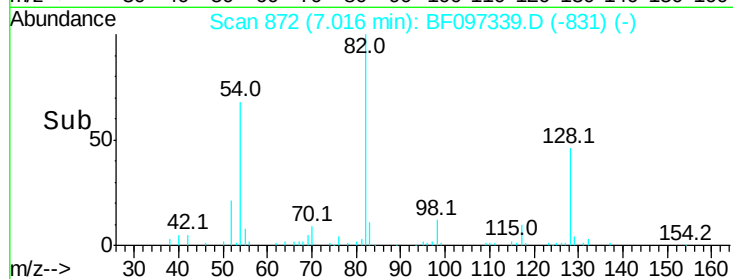
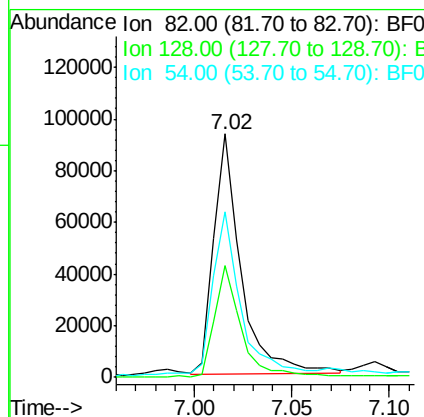
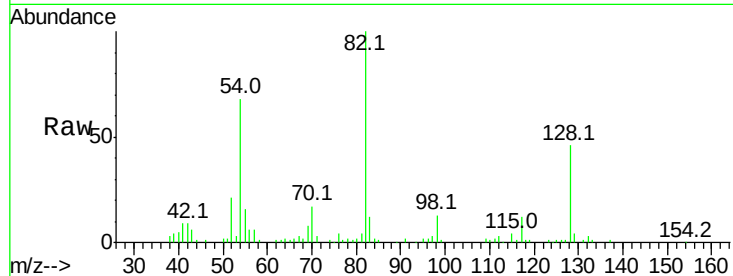
#23
 Nitrobenzene-d5
 Concen: 14.558 ng
 RT: 7.02 min Scan# 872
 Delta R.T. -0.06 min
 Lab File: BF097339.D
 Acq: 4 Aug 2017 1:44

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-080117-A

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.0	34.0	51.0
54	68.2	42.2	63.2

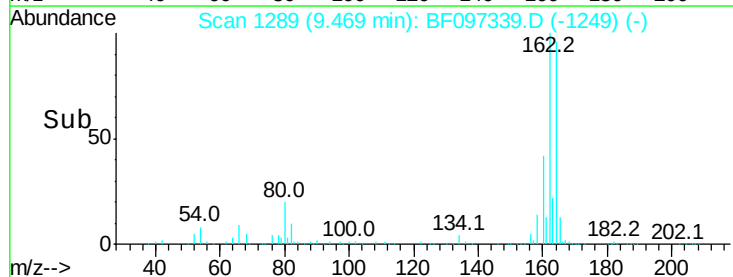
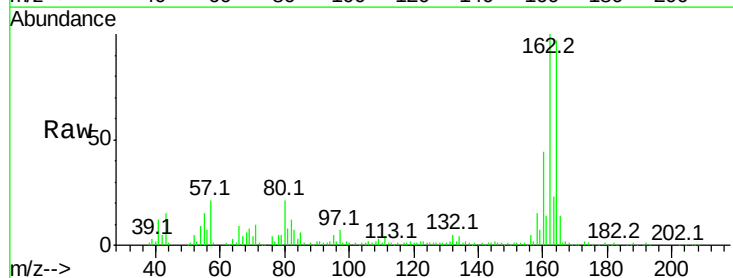
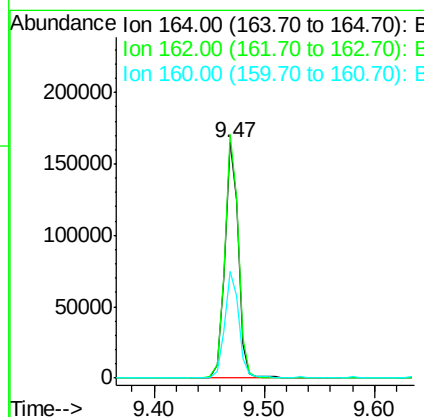
Manual Integrations
 APPROVED

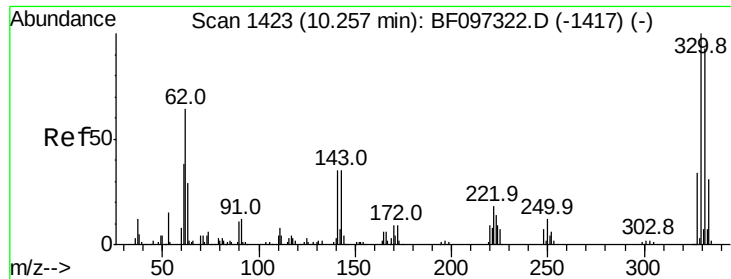
Sohil
 8/4/2017 5:30:57 PM



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.47 min Scan# 1289
 Delta R.T. -0.06 min
 Lab File: BF097339.D
 Acq: 4 Aug 2017 1:44

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.4	82.6	123.8
160	45.1	36.2	54.2





#41

2,4,6-Tribromophenol

Concen: 21.158 ng

RT: 10.26 min Scan# 1423

Delta R.T. -0.06 min

Lab File: BF097339.D

Acq: 4 Aug 2017 1:44

Instrument :

BNA_F

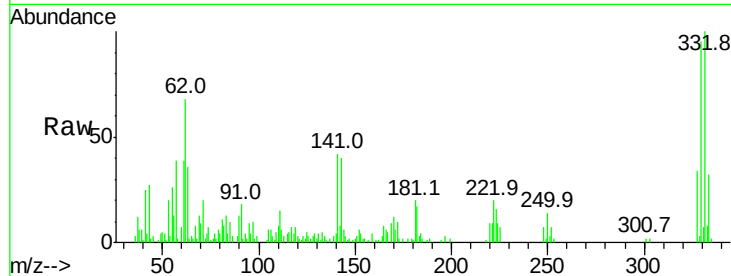
ClientSampleId :

JC-02-080117-A

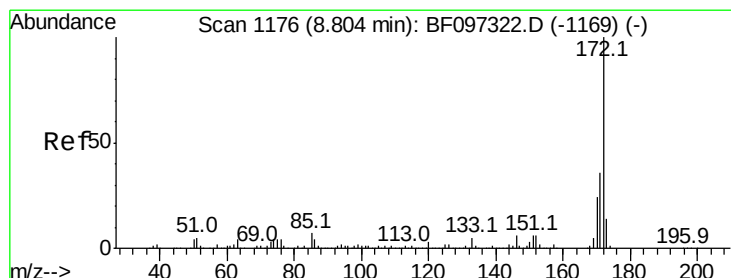
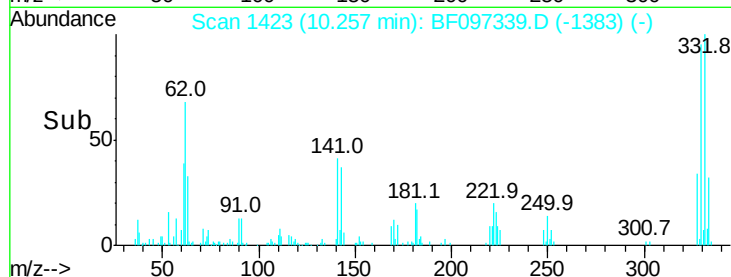
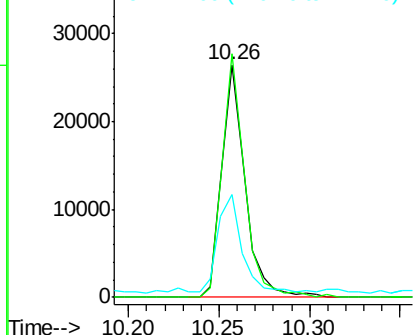
Tot Ion:	330	Resp:	23871
Ion Ratio	Lower	Upper	
330	100		
332	100.5	76.6	115.0
141	43.9	31.4	47.2

Manual Integrations
APPROVED

Sohil
8/4/2017 5:30:57 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: 20.459 ng

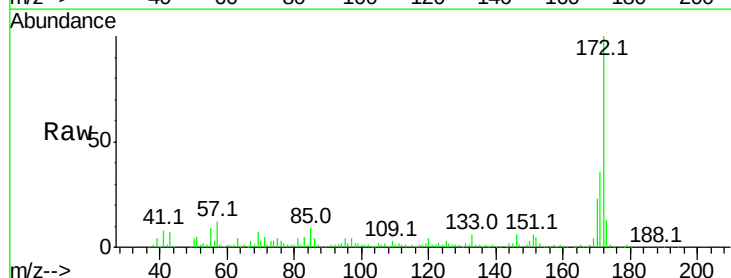
RT: 8.80 min Scan# 1176

Delta R.T. -0.06 min

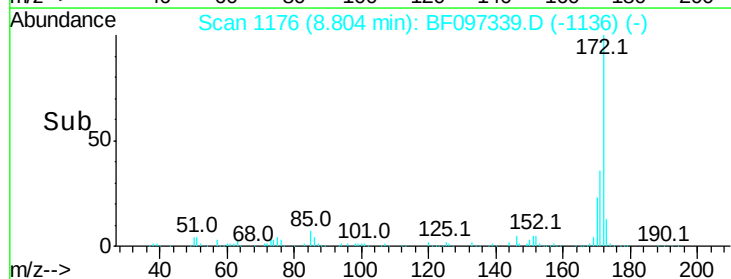
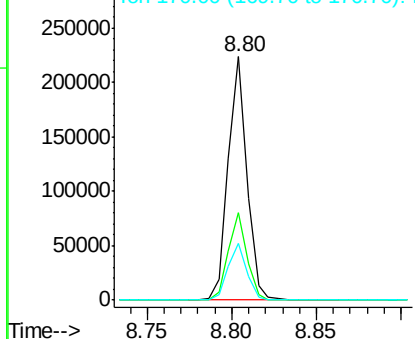
Lab File: BF097339.D

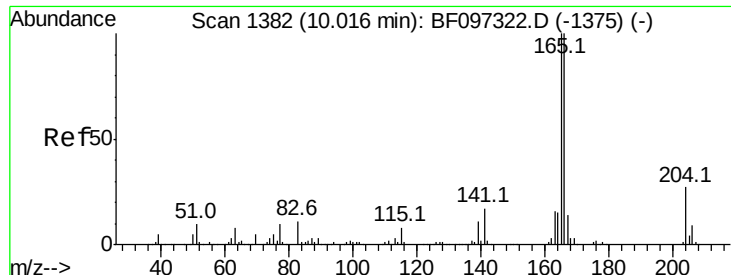
Acq: 4 Aug 2017 1:44

Tgt Ion:	172	Resp:	172140
Ion Ratio	Lower	Upper	
172	100		
171	35.8	29.6	44.4
170	23.3	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





#57

Fluorene

Concen: 3.891 ng

RT: 10.02 min Scan# 1382

Delta R.T. -0.06 min

Lab File: BF097339.D

Acq: 4 Aug 2017 1:44

Instrument :

BNA_F

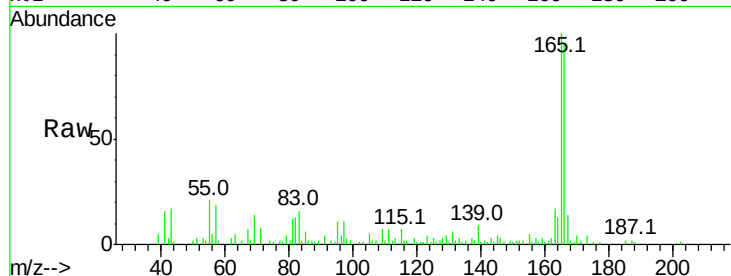
ClientSampleId :

JC-02-080117-A

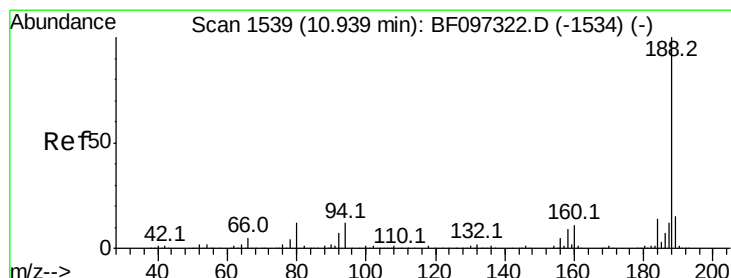
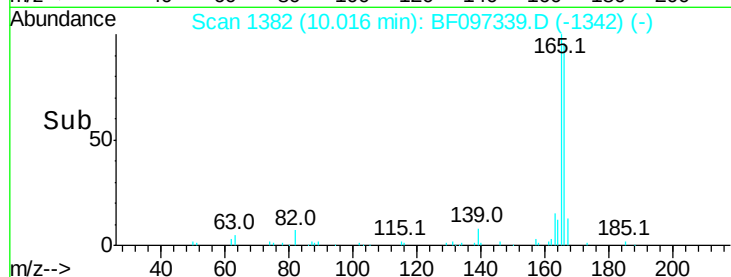
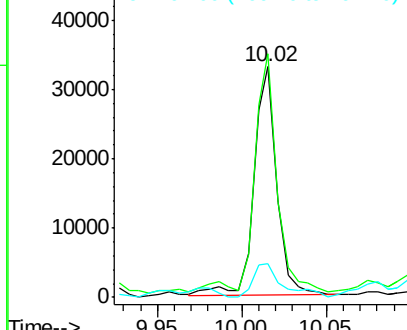
Tot Ion:	166	Resp:	31607
Ion Ratio	Lower	Upper	
166	100		
165	105.7	78.8	118.2
167	14.7	10.6	16.0

Manual Integrations
APPROVED

Sohil
8/4/2017 5:30:57 PM



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

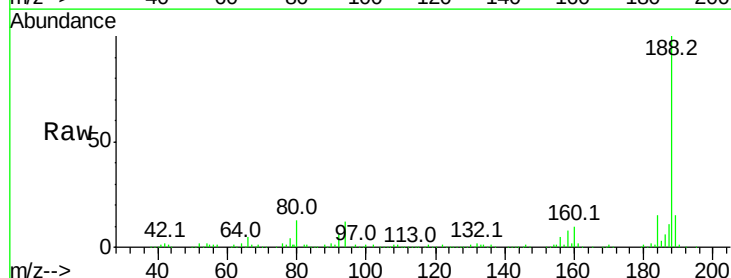
RT: 10.94 min Scan# 1539

Delta R.T. -0.06 min

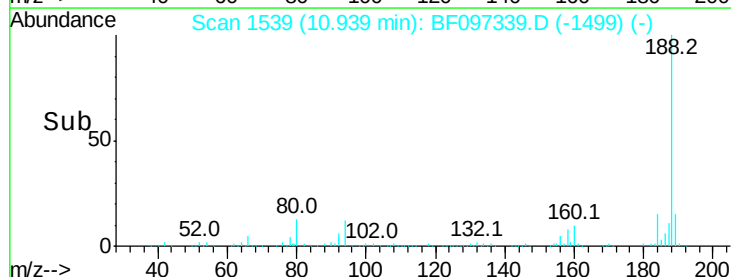
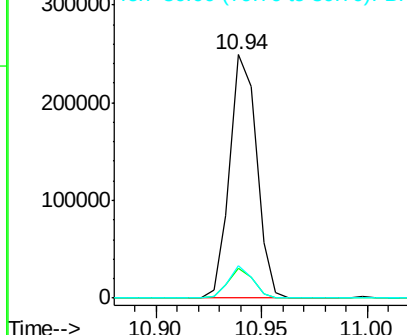
Lab File: BF097339.D

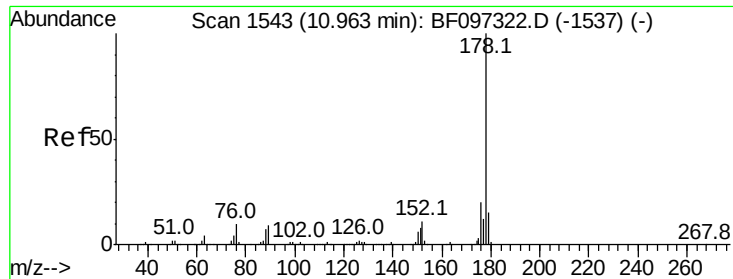
Acq: 4 Aug 2017 1:44

Tgt Ion:	188	Resp:	219704
Ion Ratio	Lower	Upper	
188	100		
94	12.4	9.4	14.2
80	13.1	10.2	15.2



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0





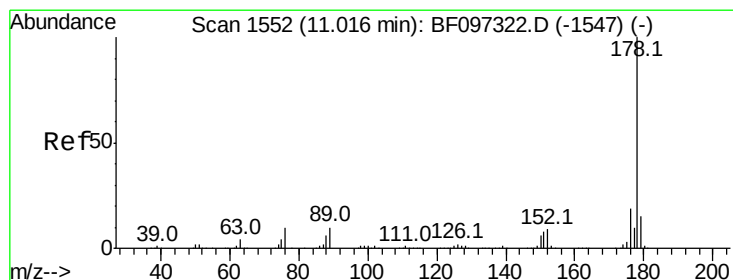
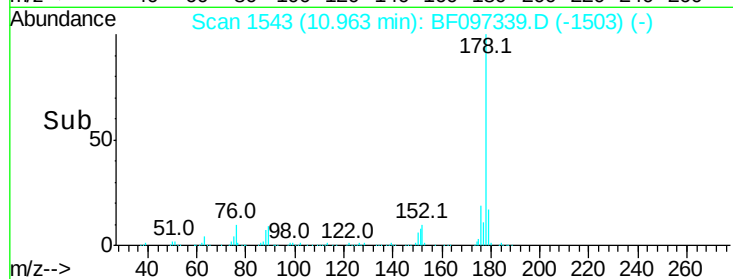
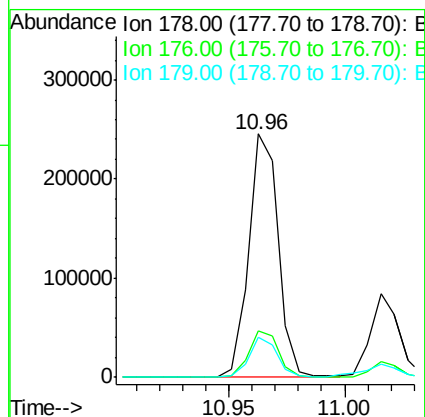
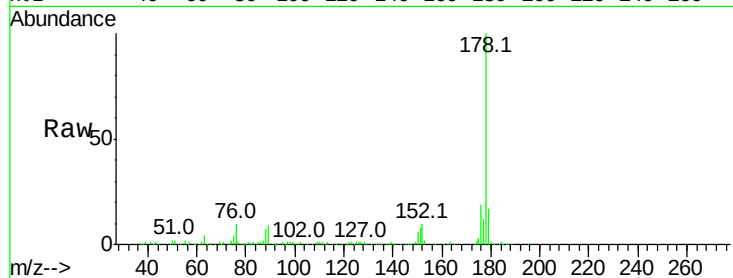
#70
Phenanthrene
Concen: 18.679 ng
RT: 10.96 min Scan# 1543
Delta R.T. -0.06 min
Lab File: BF097339.D
Acq: 4 Aug 2017 1:44

Instrument :
BNA_F
ClientSampleId :
JC-02-080117-A

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	16.2	24.4
179	16.6	12.6	19.0

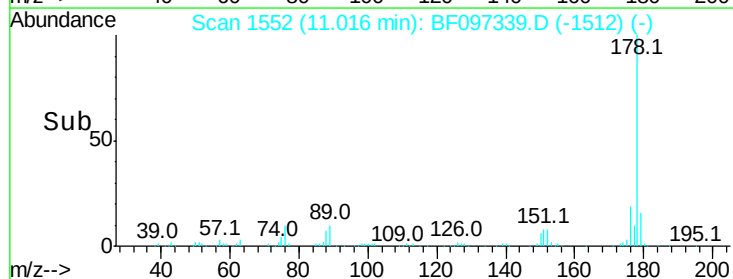
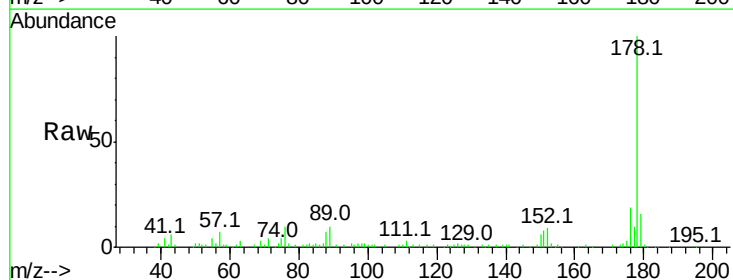
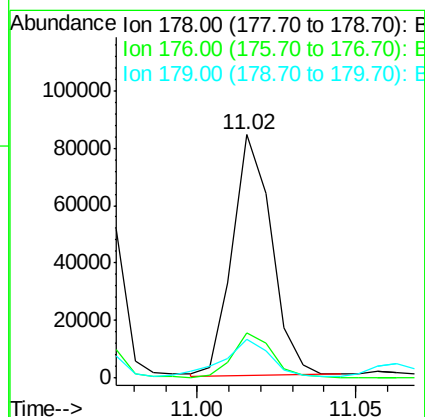
Manual Integrations
APPROVED

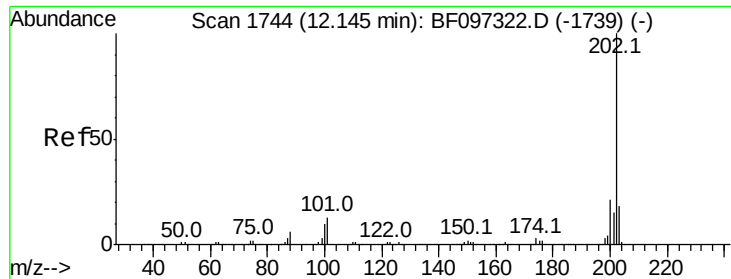
Sohil
8/4/2017 5:30:57 PM



#71
Anthracene
Concen: 5.913 ng
RT: 11.02 min Scan# 1552
Delta R.T. -0.06 min
Lab File: BF097339.D
Acq: 4 Aug 2017 1:44

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.8	23.8
179	16.1	12.7	19.1





#74

Fluoranthene

Concen: 24.908 ng

RT: 12.14 min Scan# 1744

Delta R.T. -0.06 min

Lab File: BF097339.D

Acq: 4 Aug 2017 1:44

Instrument :

BNA_F

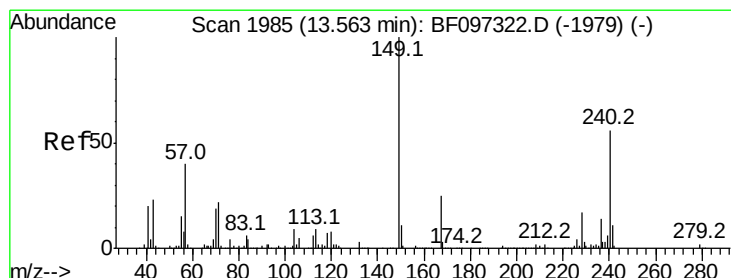
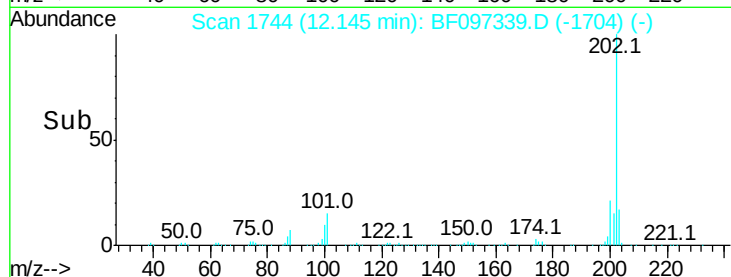
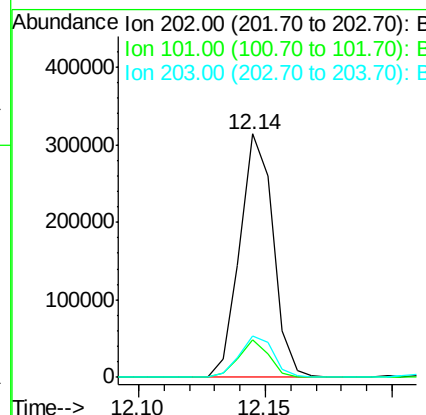
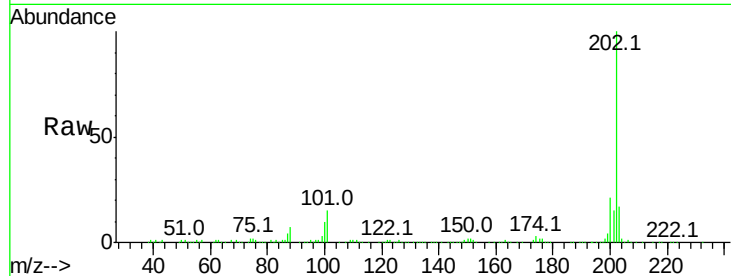
ClientSampleId :

JC-02-080117-A

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	15.2	0.0	33.2
203	17.3	0.0	38.1

Manual Integrations
APPROVED

Sohil
8/4/2017 5:30:57 PM



#75

Chrysene-d12

Concen: 20.000 ng

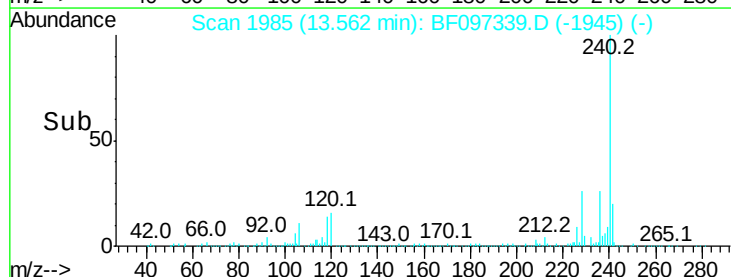
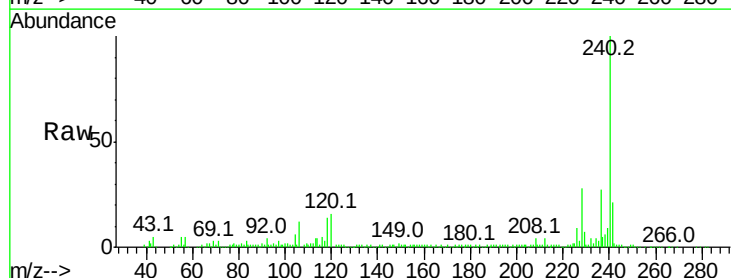
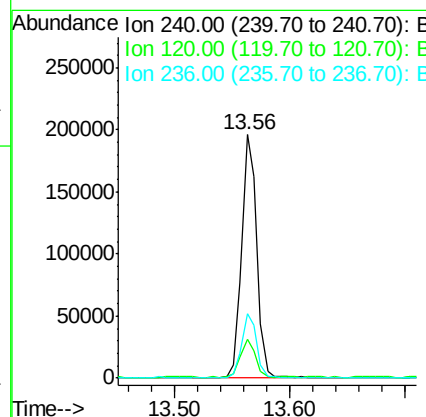
RT: 13.56 min Scan# 1985

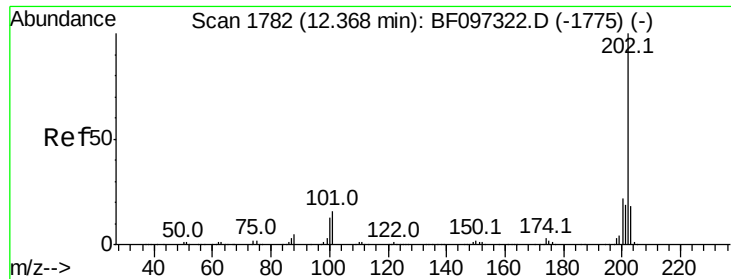
Delta R.T. -0.06 min

Lab File: BF097339.D

Acq: 4 Aug 2017 1:44

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	16.1	5.8	8.8#
236	26.6	20.5	30.7





#77

Pvrene

Concen: 17.872 ng

RT: 12.37 min Scan# 1782

Delta R.T. -0.06 min

Lab File: BF097339.D

Acq: 4 Aug 2017 1:44

Instrument :

BNA_F

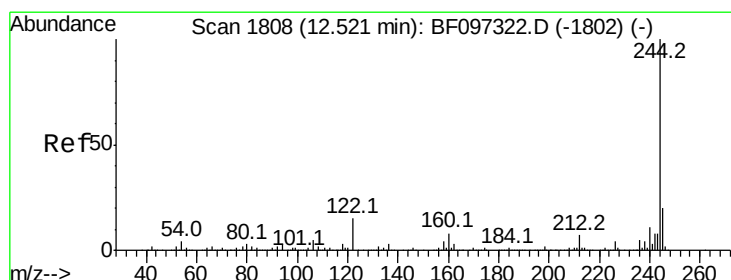
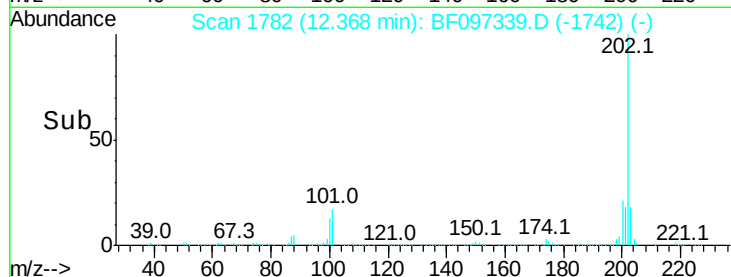
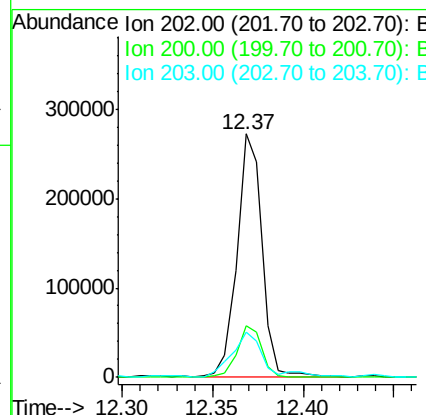
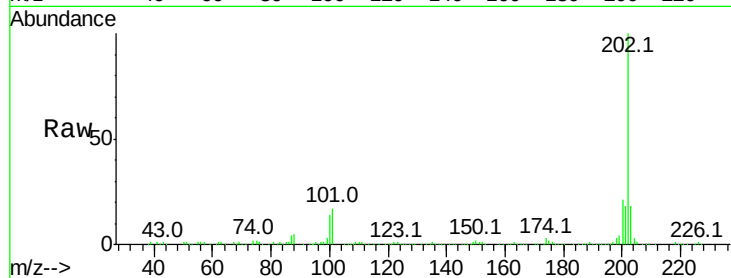
ClientSampleId :

JC-02-080117-A

Tot Ion:	202	Resp:	260624
Ion Ratio	Lower	Upper	
202	100		
200	21.3	17.6	26.4
203	18.4	14.4	21.6

Manual Integrations
APPROVED

Sohil
8/4/2017 5:30:57 PM



#78

Terphenyl-d14

Concen: 15.001 ng

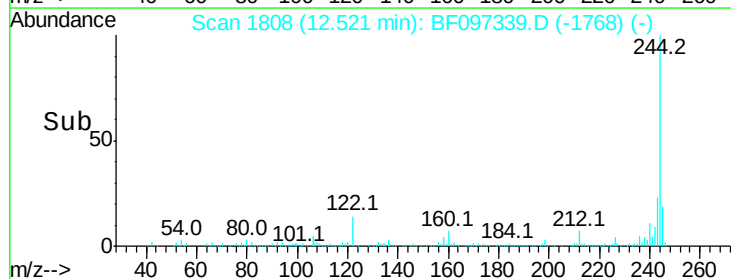
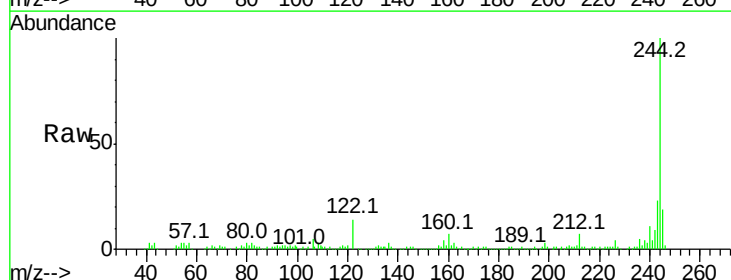
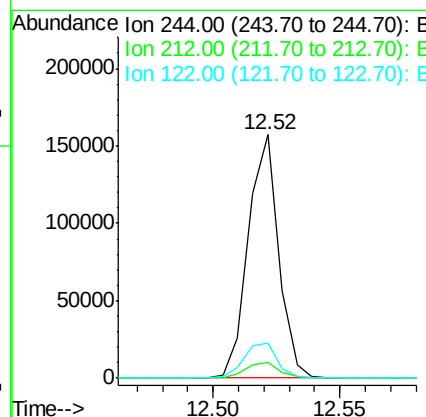
RT: 12.52 min Scan# 1808

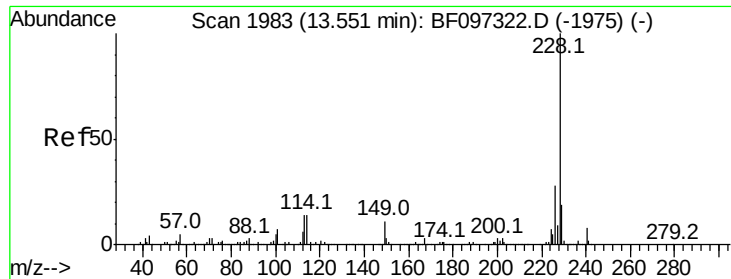
Delta R.T. -0.06 min

Lab File: BF097339.D

Acq: 4 Aug 2017 1:44

Tgt Ion:	244	Resp:	131056
Ion Ratio	Lower	Upper	
244	100		
212	6.5	6.0	9.0
122	14.2	10.3	15.5





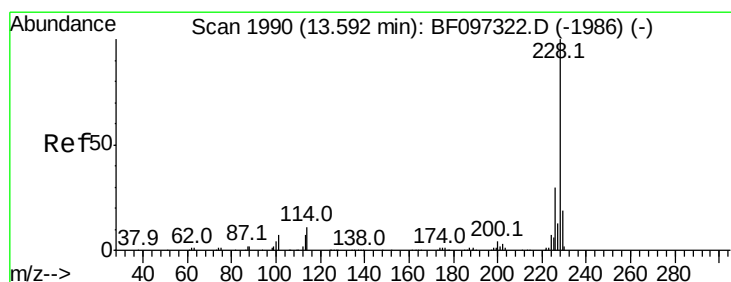
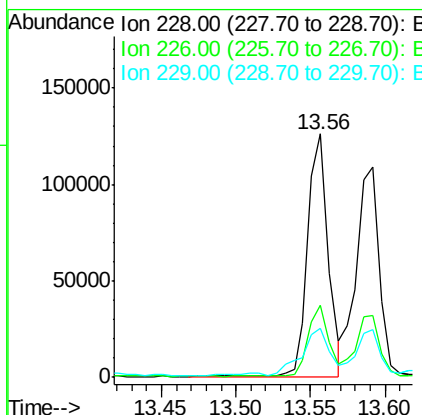
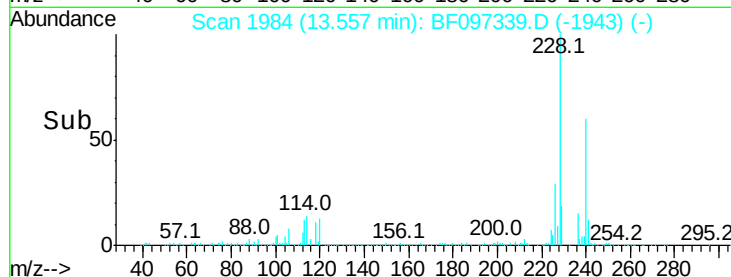
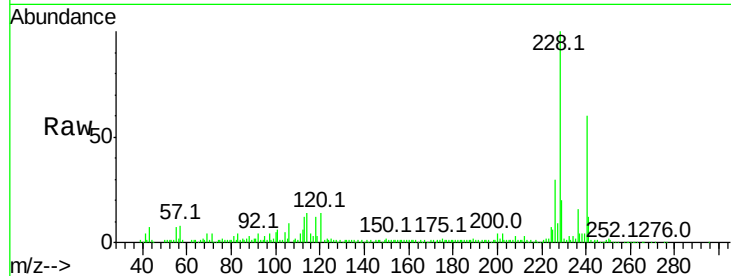
#80
Benzo(a)anthracene
Concen: 10.406 ng
RT: 13.56 min Scan# 1984
Delta R.T. -0.06 min
Lab File: BF097339.D
Acq: 4 Aug 2017 1:44

Instrument :
BNA_F
ClientSampleId :
JC-02-080117-A

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.7	22.6	33.8
229	20.2	16.3	24.5

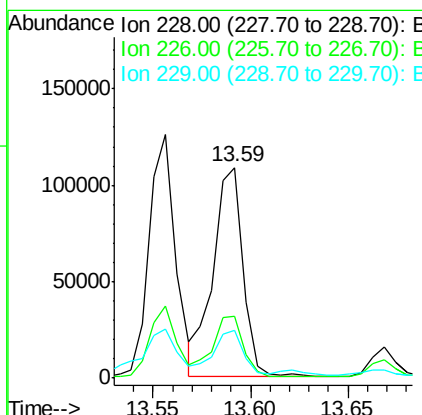
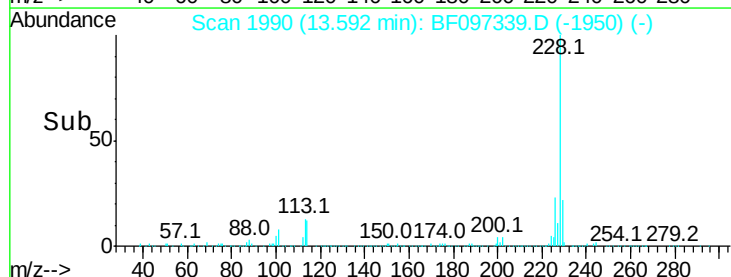
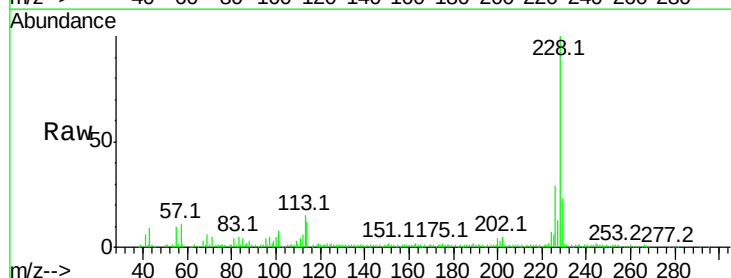
Manual Integrations
APPROVED

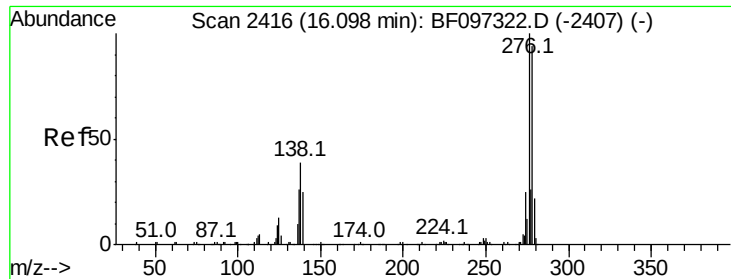
Sohil
8/4/2017 5:30:57 PM



#82
Chrysene
Concen: 10.361 ng
RT: 13.59 min Scan# 1990
Delta R.T. -0.06 min
Lab File: BF097339.D
Acq: 4 Aug 2017 1:44

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.5	24.9	37.3
229	22.9	15.8	23.6





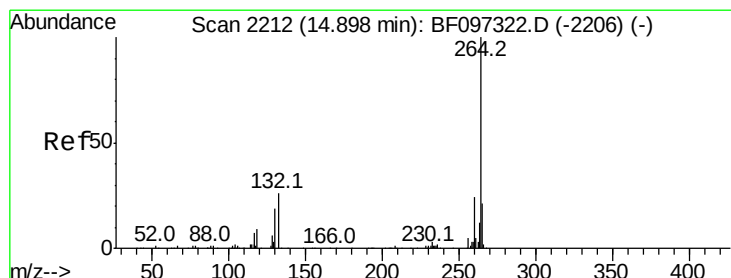
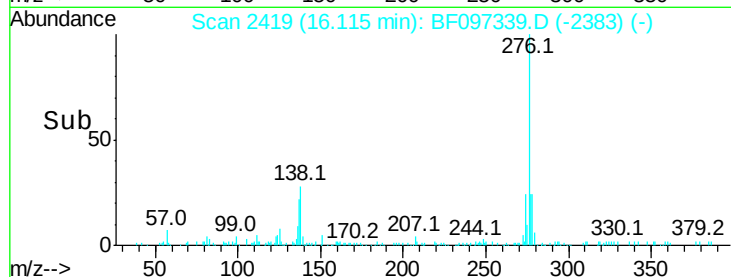
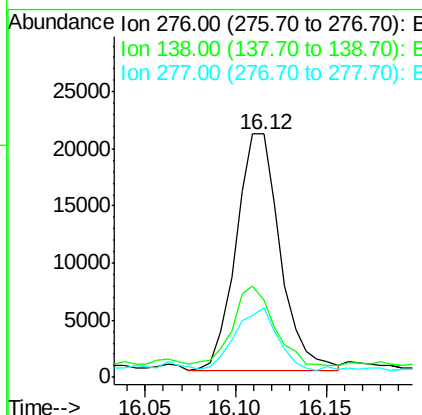
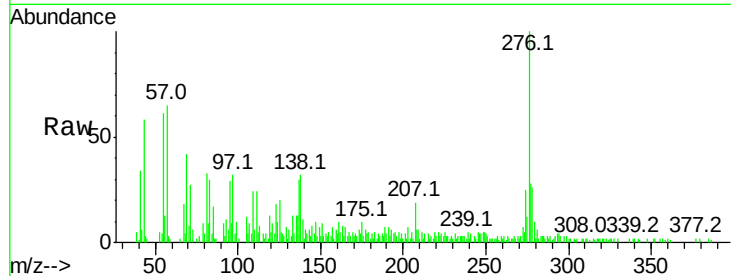
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.620 ng
RT: 16.12 min Scan# 2419
Delta R.T. -0.09 min
Lab File: BF097339.D
Acq: 4 Aug 2017 1:44

Instrument :
BNA_F
ClientSampleId :
JC-02-080117-A

Tot Ion	Ratio	Lower	Upper
276	100		
138	31.7	27.8	41.6
277	26.1	20.2	30.4

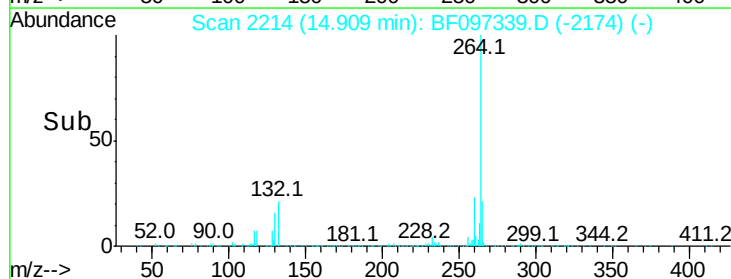
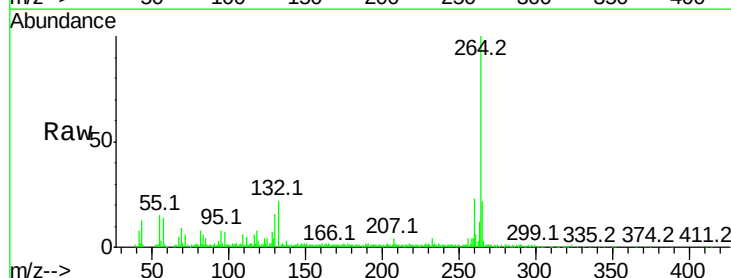
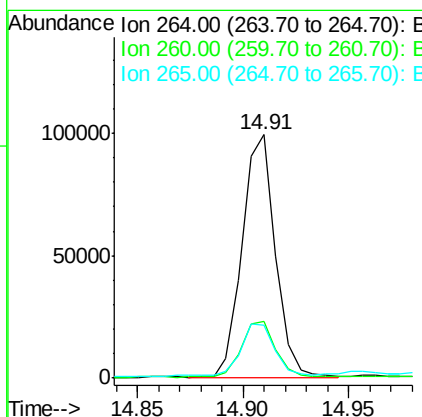
Manual Integrations
APPROVED

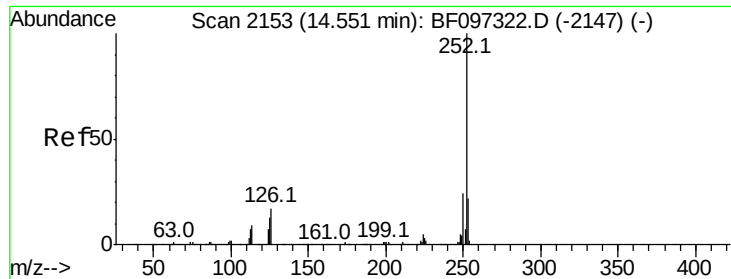
Sohil
8/4/2017 5:30:57 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 14.91 min Scan# 2214
Delta R.T. -0.06 min
Lab File: BF097339.D
Acq: 4 Aug 2017 1:44

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.5	29.3
265	21.8	17.2	25.8





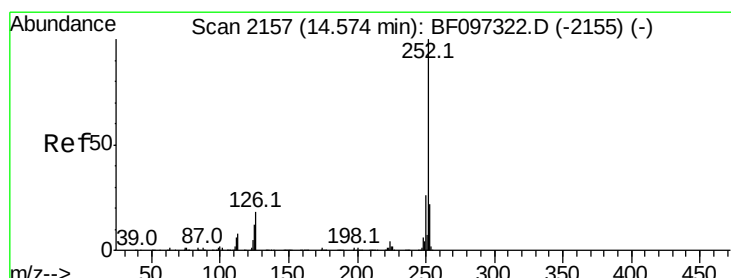
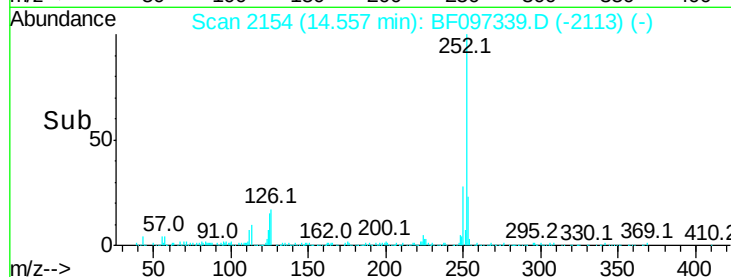
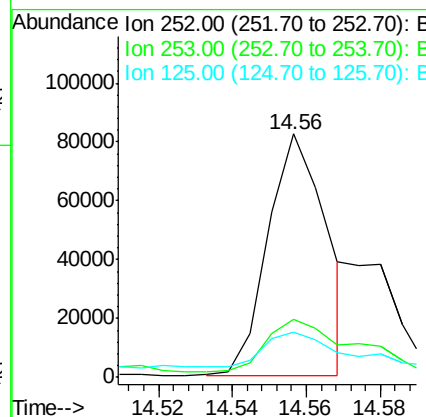
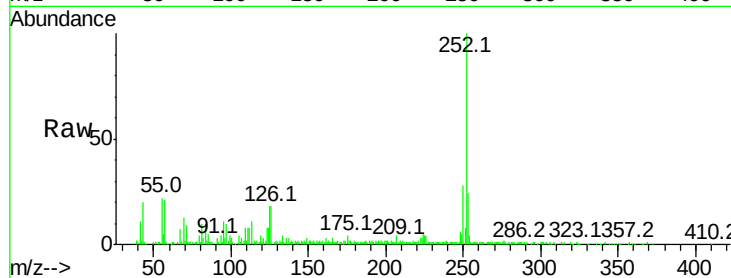
#87
Benzo(b)fluoranthene
Concen: 13.945 ng m
RT: 14.56 min Scan# 2154
Delta R.T. -0.06 min
Lab File: BF097339.D
Acq: 4 Aug 2017 1:44

Instrument :
BNA_F
ClientSampleId :
JC-02-080117-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.1	27.1
125	18.5	9.8	14.8#

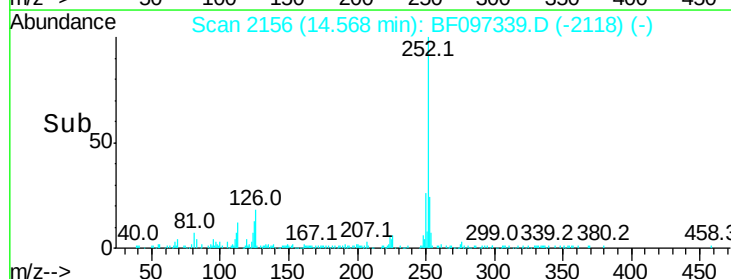
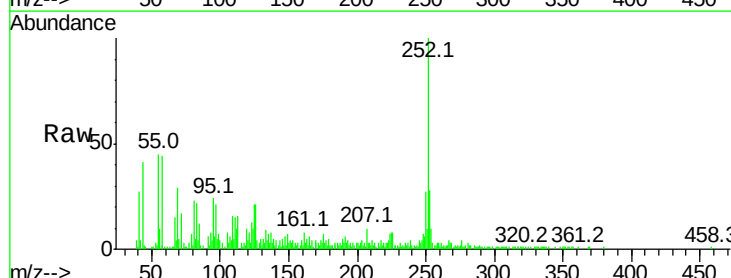
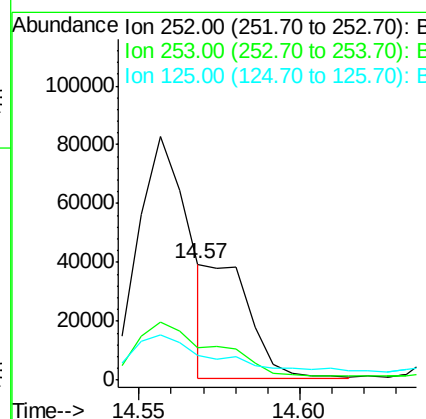
Manual Integrations
APPROVED

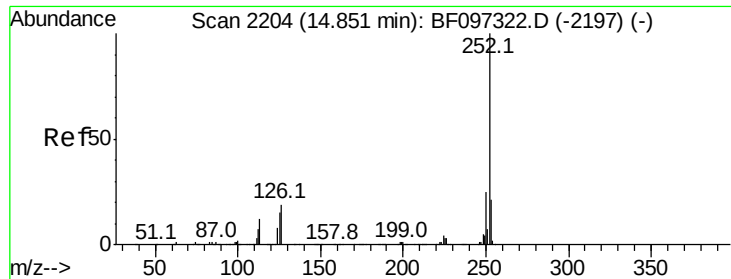
Sohil
8/4/2017 5:30:57 PM



#88
Benzo(k)fluoranthene
Concen: 5.876 ng m
RT: 14.57 min Scan# 2156
Delta R.T. -0.08 min
Lab File: BF097339.D
Acq: 4 Aug 2017 1:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.6	18.4	27.6#
125	21.1	13.1	19.7#





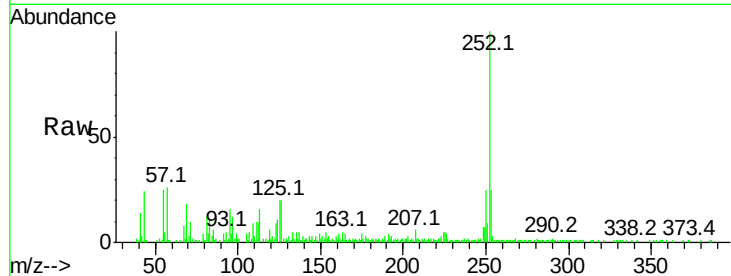
#89
Benzo(a)pyrene
Concen: 10.580 ng
RT: 14.86 min Scan# 2205
Delta R.T. -0.06 min
Lab File: BF097339.D
Acq: 4 Aug 2017 1:44

Instrument :
BNA_F
ClientSampleId :
JC-02-080117-A

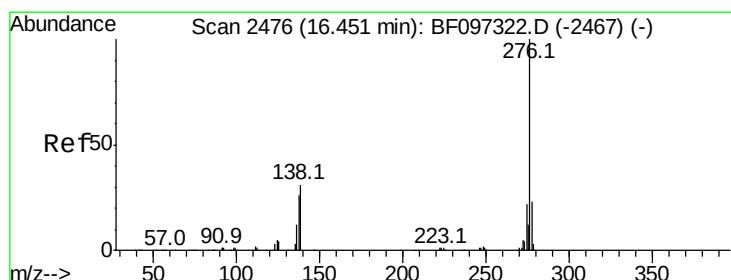
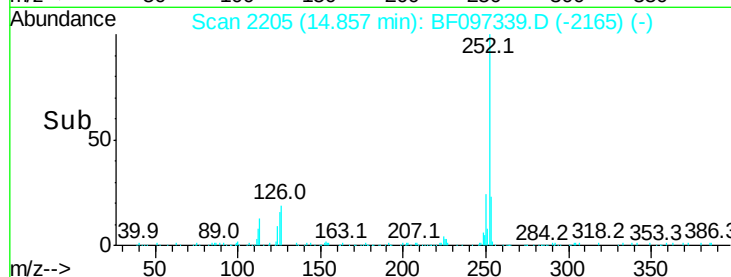
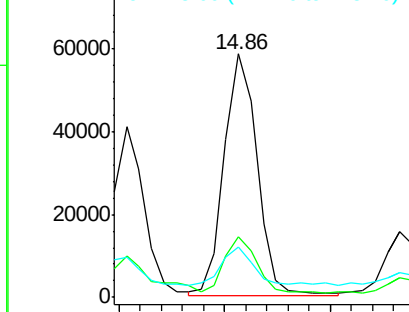
Tot Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.5	26.3
125	20.5	11.0	16.4

Manual Integrations
APPROVED

Sohil
8/4/2017 5:30:57 PM



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 6.480 ng
RT: 16.47 min Scan# 2479
Delta R.T. -0.10 min
Lab File: BF097339.D
Acq: 4 Aug 2017 1:44

Tgt Ion	Ratio	Lower	Upper
276	100		
277	28.2	18.6	28.0
138	31.3	25.4	38.0

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

