

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080117\
 Data File : BF097267.D
 Acq On : 2 Aug 2017 11:09
 Operator : SJ/JU
 Sample : I4493-05 2X
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-HS6-WSW

Manual Integrations
 APPROVED

Sohil
 8/2/2017 7:15:49 PM

Quant Time: Aug 02 13:28:04 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 02 11:39:11 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.46	152	115943	20.00	ng	0.00
21) Naphthalene-d8	7.75	136	459102	20.00	ng	0.00
38) Acenaphthene-d10	9.49	164	160740	20.00	ng	0.00
63) Phenanthrene-d10	10.96	188	227937	20.00	ng	0.00
75) Chrysene-d12	13.59	240	215891	20.00	ng	0.00
86) Perylene-d12	14.93	264	154670	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.06	112	303766	39.50	ng	0.00
7) Phenol-d6	6.13	99	329100	37.48	ng	-0.02
23) Nitrobenzene-d5	7.03	82	202864	25.92	ng	-0.01
41) 2,4,6-Tribromophenol	10.27	330	41213	32.45	ng	-0.01
44) 2-Fluorobiphenyl	8.82	172	259523	27.40	ng	-0.01
78) Terphenyl-d14	12.55	244	155650	14.70	ng	0.00
Target Compounds						
10) Phenol	6.15	94	98775	9.484	ng	95
49) Dimethylphthalate	9.22	163	91578	7.503	ng	99
70) Phenanthrene	10.99	178	200197	16.392	ng	96
71) Anthracene	11.04	178	50939	4.072	ng	95
74) Fluoranthene	12.17	202	301665	25.213	ng	99
77) Pyrene	12.39	202	278745	15.771	ng	98
79) Butylbenzylphthalate	13.03	149	35917	3.995	ng	# 85
80) Benzo(a)anthracene	13.58	228	151957	10.878	ng	99
82) Chrysene	13.62	228	139753	10.246	ng	97
83) Bis(2-ethylhexyl)phthalate	13.59	149	26298	2.240	ng	100
85) Indeno(1,2,3-cd)pyrene	16.14	276	43707	3.737	ng	94
87) Benzo(b)fluoranthene	14.58	252	138125m	14.856	ng	
88) Benzo(k)fluoranthene	14.60	252	48547m	5.480	ng	
89) Benzo(a)pyrene	14.88	252	93196	10.952	ng	# 96
91) Benzo(a,h,i)perylene	16.50	276	42860	5.857	ng	97

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

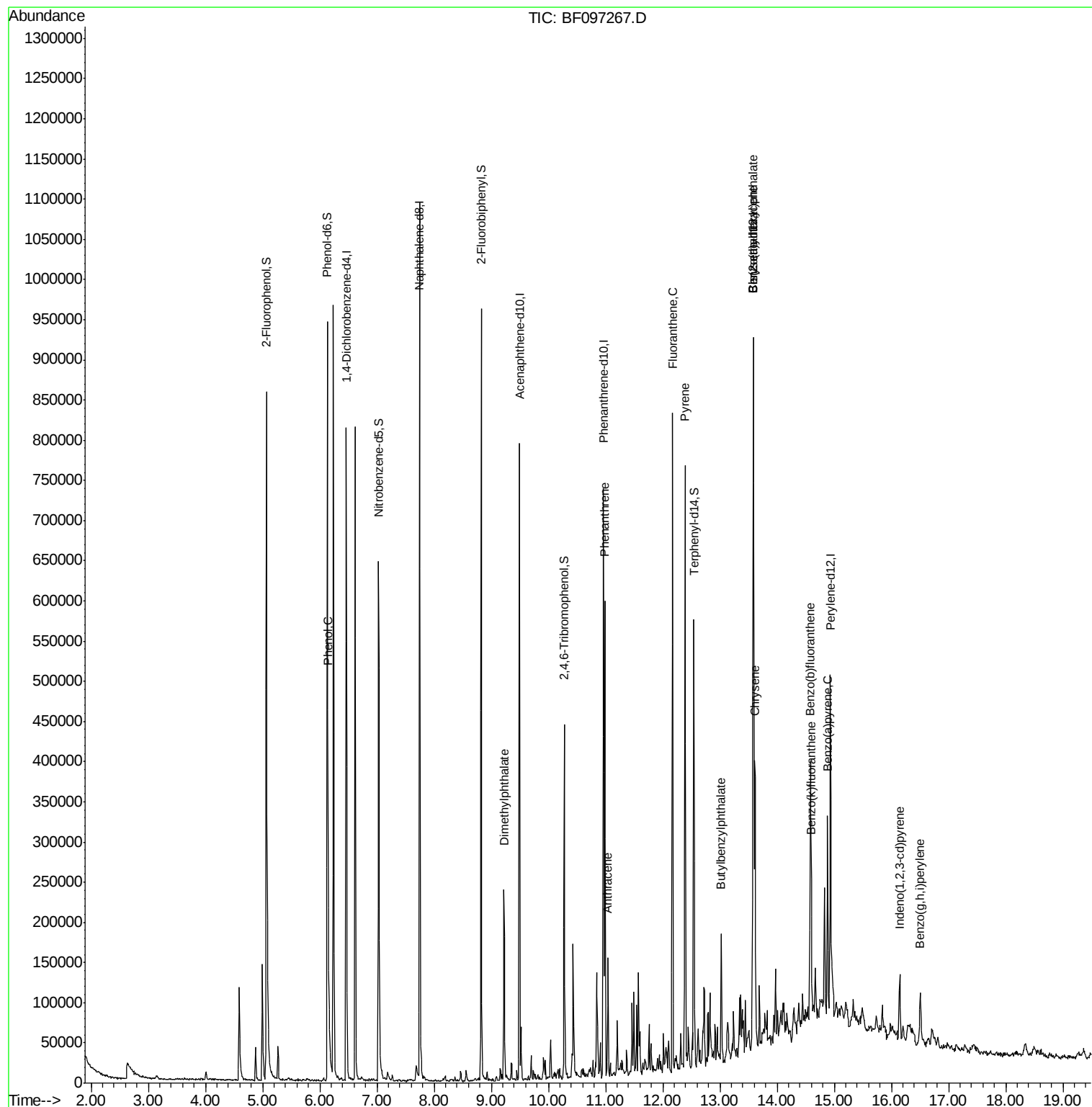
Data Path : Z:\HPCHEM1\BNA F\DATA\BF080117\
Data File : BF097267.D
Acq On : 2 Aug 2017 11:09
Operator : SJ/JU
Sample : I4493-05 2X
Misc :
ALS Vial : 43 Sample Multiplier: 1

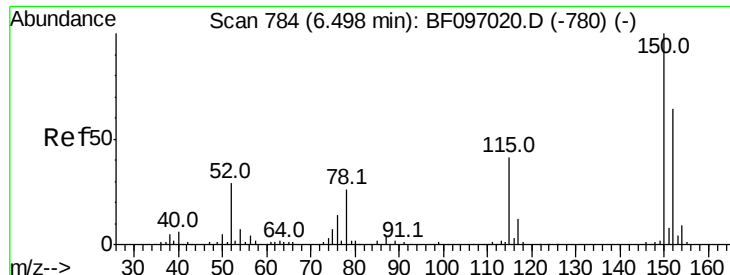
Instrument :
BNA_F
ClientSampleId :
E2-HS6-WSW

Manual Integrations
APPROVED

Sohil
8/2/2017 7:15:49 PM

Quant Time: Aug 02 13:28:04 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 02 11:39:11 2017
Response via : Initial Calibration





#1

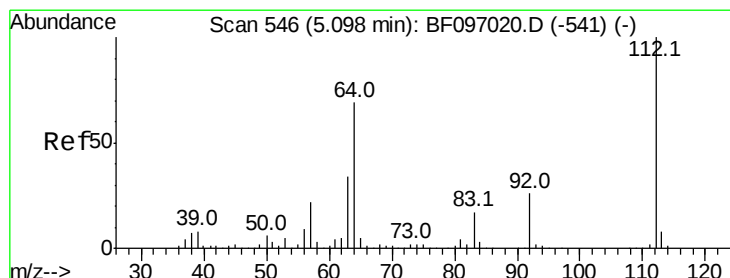
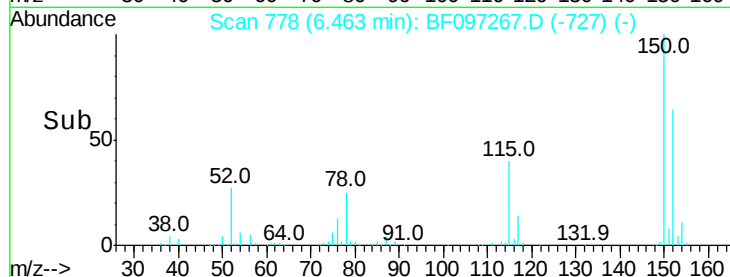
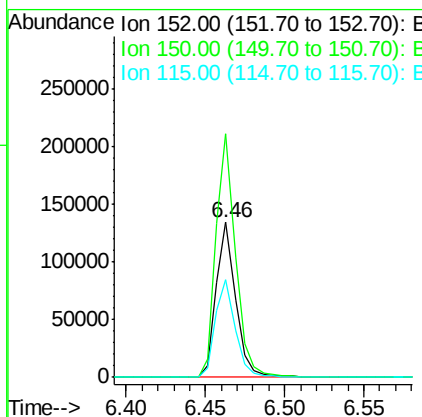
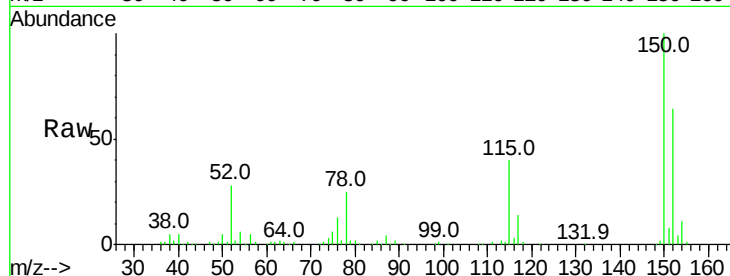
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.46 min Scan# 778
Delta R.T. 0.00 min
Lab File: BF097267.D
Acq: 2 Aug 2017 11:09

Instrument :
BNA_F
ClientSampleId :
E2-HS6-WSW

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.8	126.2	189.2
115	62.8	52.2	78.2

Manual Integrations
APPROVED

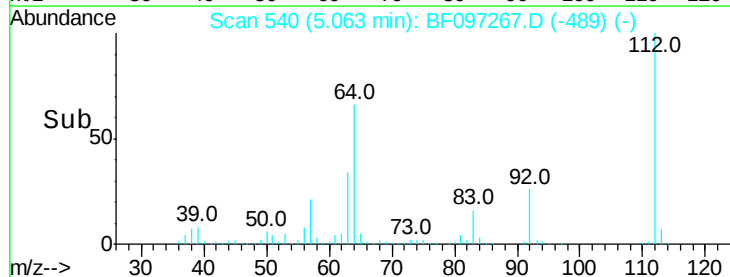
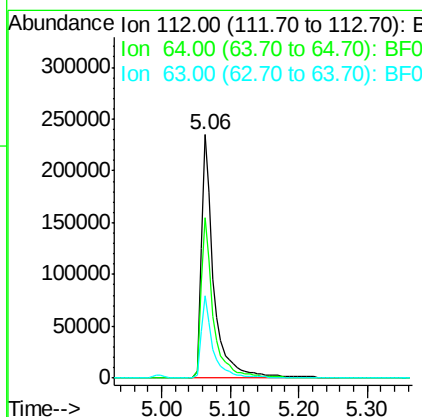
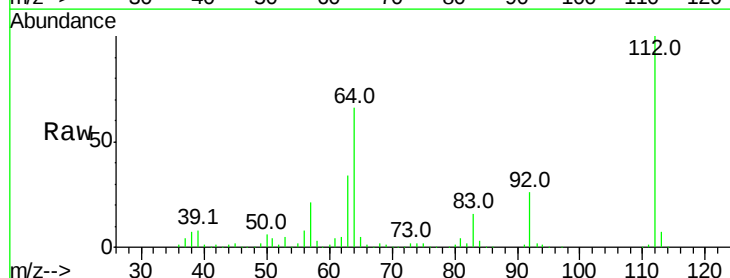
Sohil
8/2/2017 7:15:49 PM

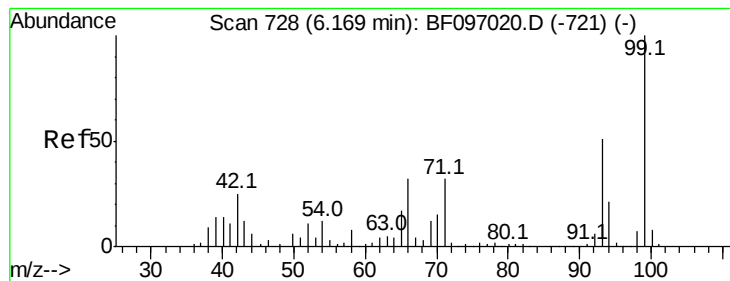


#5

2-Fluorophenol
Concen: 39.496 ng
RT: 5.06 min Scan# 540
Delta R.T. 0.00 min
Lab File: BF097267.D
Acq: 2 Aug 2017 11:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.7	46.0	69.0
63	33.7	23.4	35.0





#7

Phenol-d6

Concen: 37.481 ng

RT: 6.13 min Scan# 721

Delta R.T. -0.02 min

Lab File: BF097267.D

Acq: 2 Aug 2017 11:09

Instrument :

BNA_F

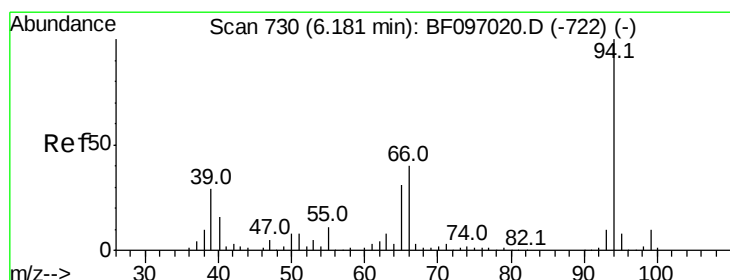
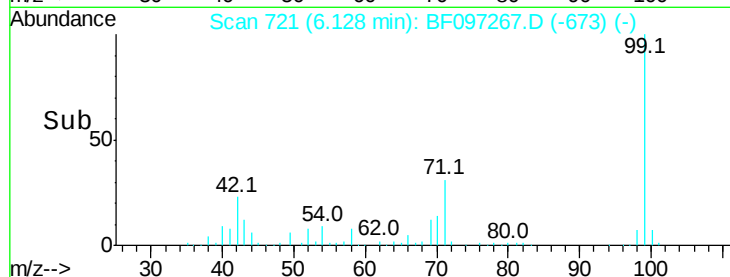
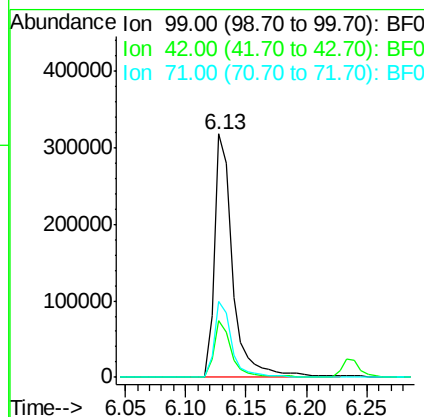
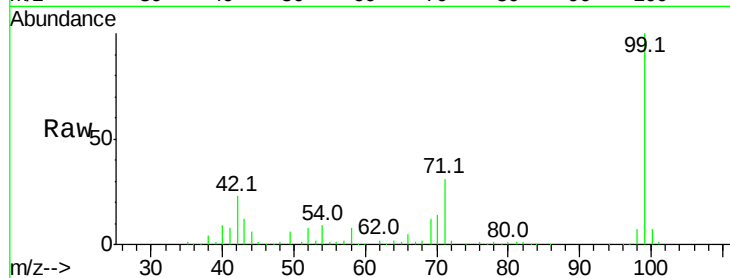
ClientSampleId :

E2-HS6-WSW

Tot Ion:	99	Resp:	329100
Ion Ratio	Lower	Upper	
99	100		
42	23.4	13.5	20.3#
71	31.2	24.5	36.7

Manual Integrations
APPROVED

Sohil
8/2/2017 7:15:49 PM



#10

Phenol

Concen: 9.484 ng

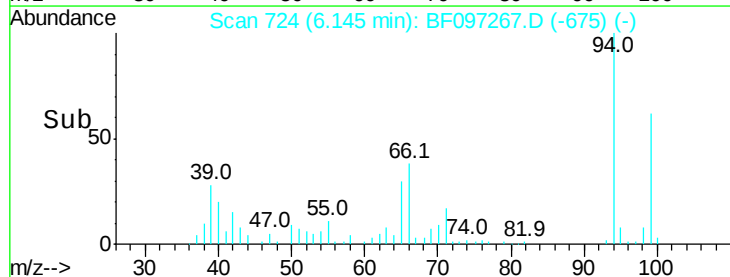
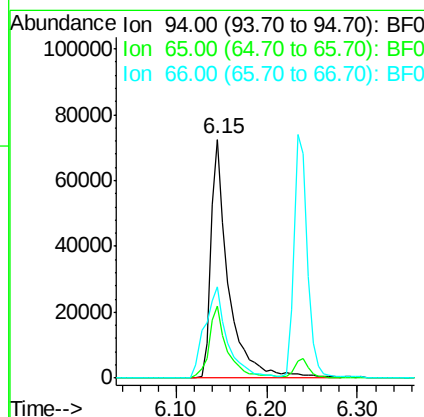
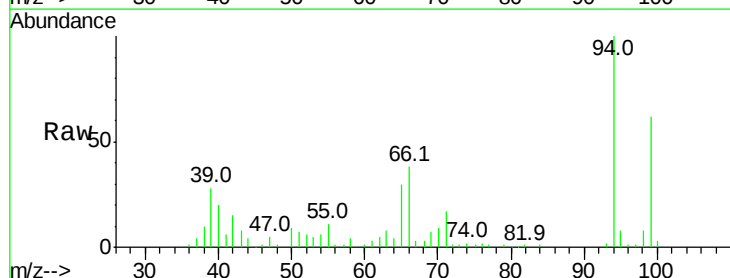
RT: 6.15 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF097267.D

Acq: 2 Aug 2017 11:09

Tgt Ion:	94	Resp:	98775
Ion Ratio	Lower	Upper	
94	100		
65	30.1	9.9	49.9
66	38.2	23.1	63.1





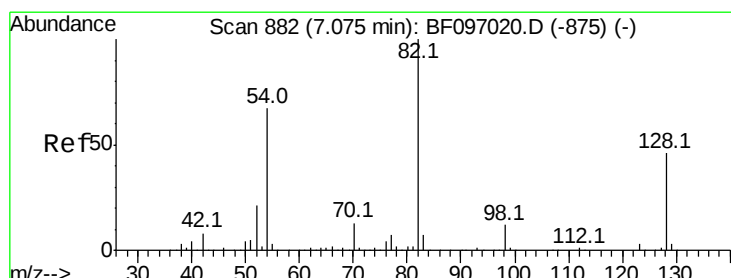
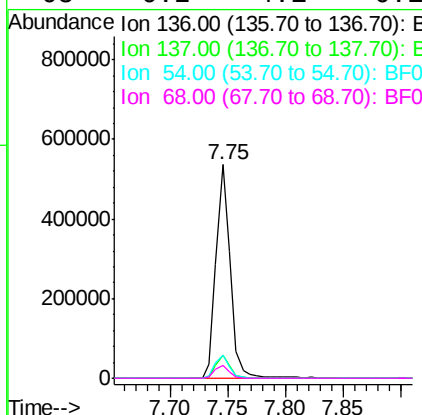
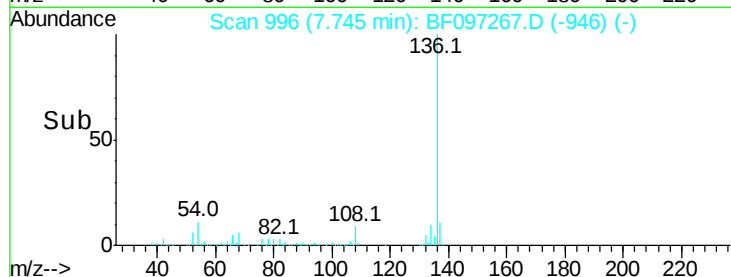
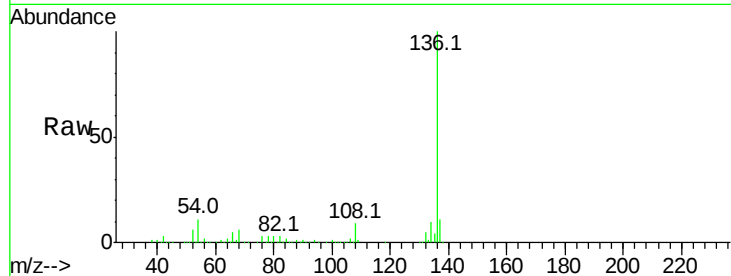
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.75 min Scan# 996
Delta R.T. -0.01 min
Lab File: BF097267.D
Acq: 2 Aug 2017 11:09

Instrument :
BNA_F
ClientSampleId :
E2-HS6-WSW

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.7	8.5	12.7	
54	10.8	4.9	7.3#	
68	6.2	4.1	6.1#	

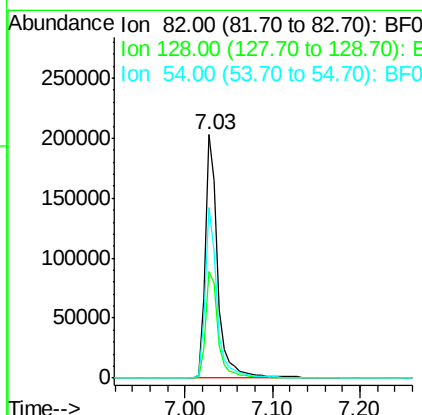
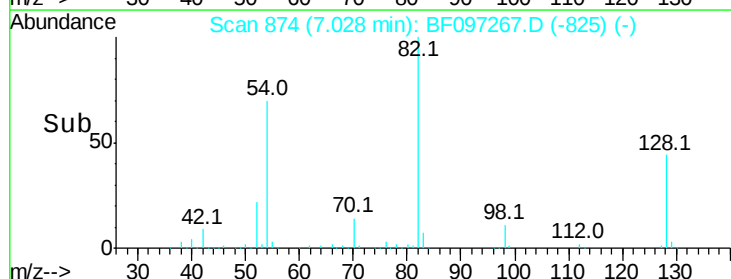
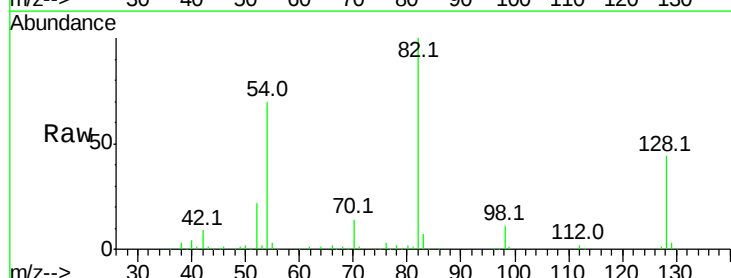
Manual Integrations
APPROVED

Sohil
8/2/2017 7:15:49 PM



#23
Nitrobenzene-d5
Concen: 25.922 ng
RT: 7.03 min Scan# 874
Delta R.T. -0.01 min
Lab File: BF097267.D
Acq: 2 Aug 2017 11:09

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	43.7	34.0	51.0	
54	70.0	42.2	63.2#	





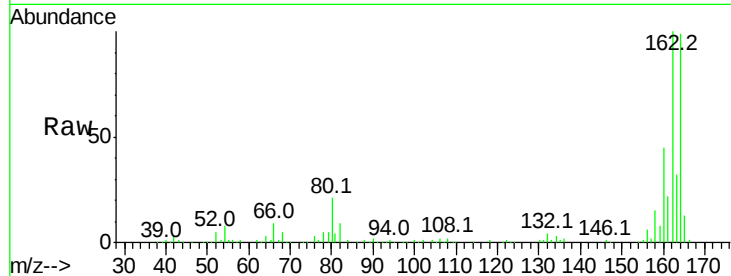
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.49 min Scan# 1293
 Delta R.T. 0.00 min
 Lab File: BF097267.D
 Acq: 2 Aug 2017 11:09

Instrument :
 BNA_F
 ClientSampleId :
 E2-HS6-WSW

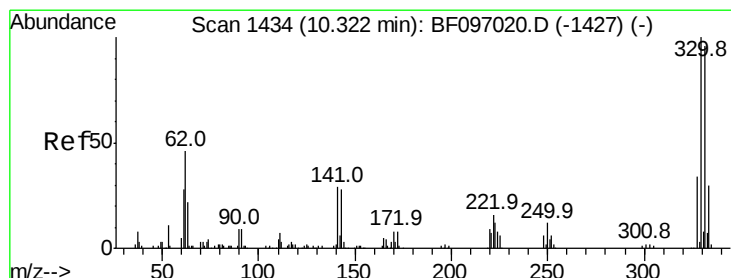
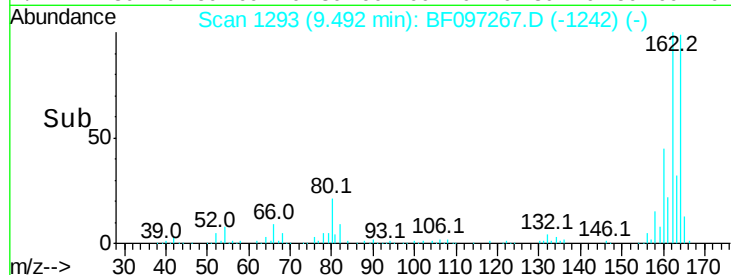
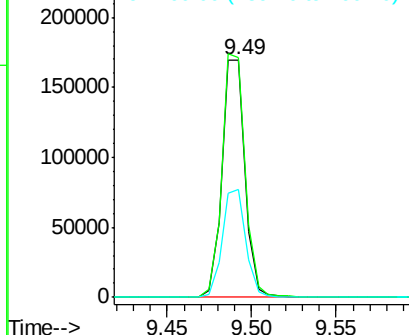
Tot Ion	Ratio	Resp	Lower	Upper
164	100	160740		
162	100.8	82.6	123.8	
160	45.2	36.2	54.2	

Manual Integrations
 APPROVED

Sohil
 8/2/2017 7:15:49 PM

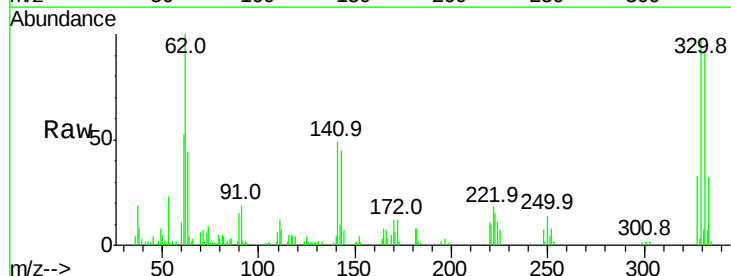


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

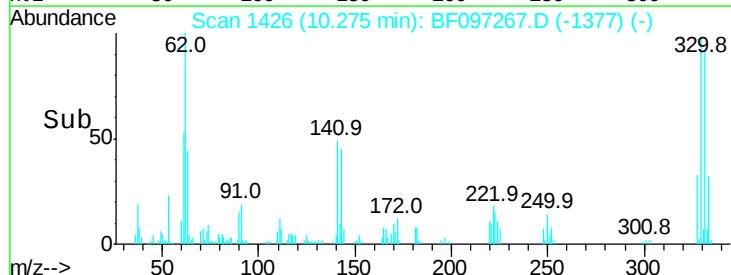
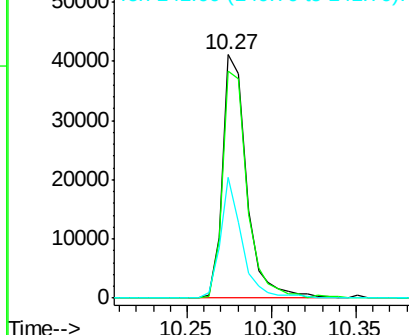


#41
 2,4,6-Tribromophenol
 Concen: 32.451 ng
 RT: 10.27 min Scan# 1426
 Delta R.T. -0.01 min
 Lab File: BF097267.D
 Acq: 2 Aug 2017 11:09

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	41213		
332	94.6	76.6	115.0	
141	44.1	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





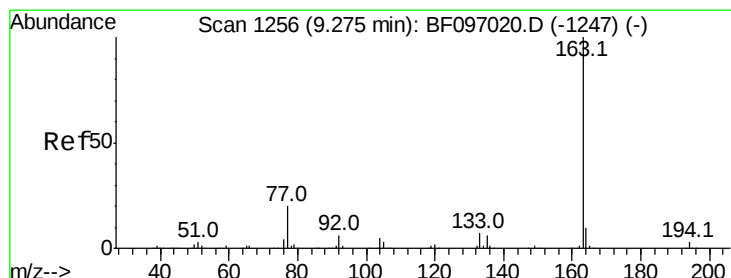
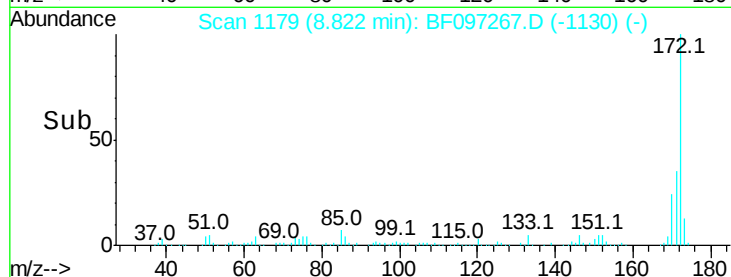
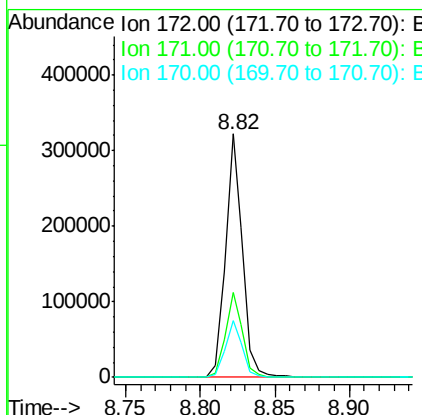
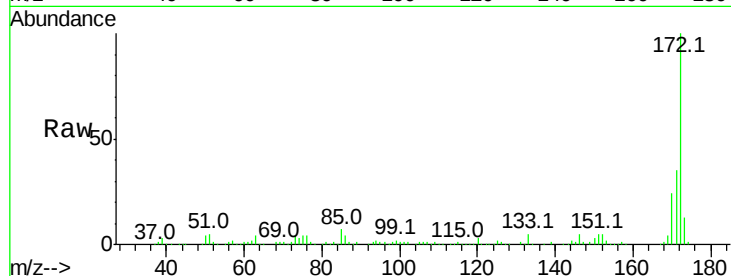
#44
2-Fluorobiphenyl
Concen: 27.400 ng
RT: 8.82 min Scan# 1179
Delta R.T. -0.01 min
Lab File: BF097267.D
Acq: 2 Aug 2017 11:09

Instrument :
BNA_F
ClientSampleId :
E2-HS6-WSW

Tot Ion	Ratio	Resp Lower	Upper
172	100		
171	35.1	29.6	44.4
170	23.5	19.8	29.8

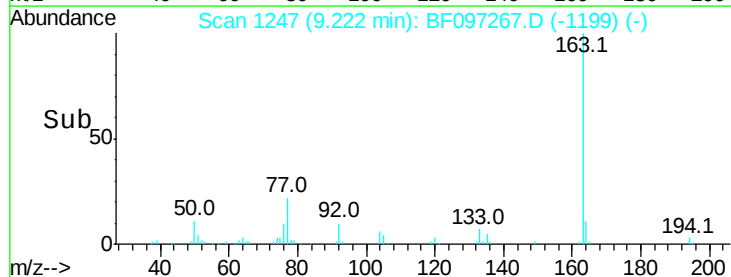
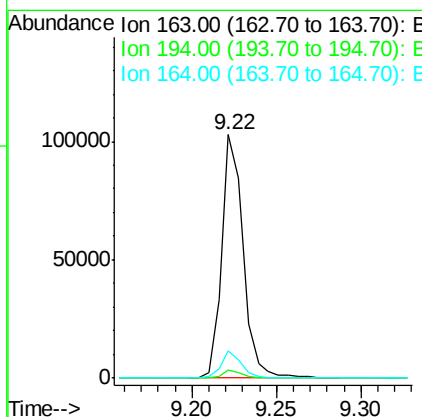
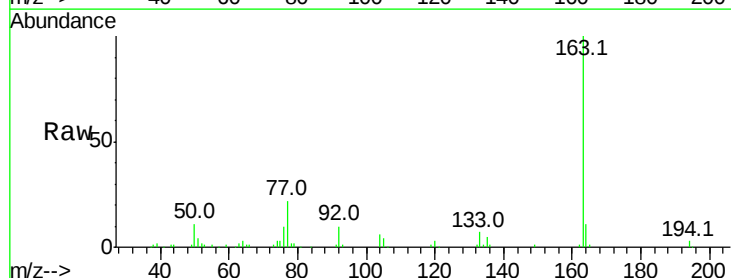
Manual Integrations
APPROVED

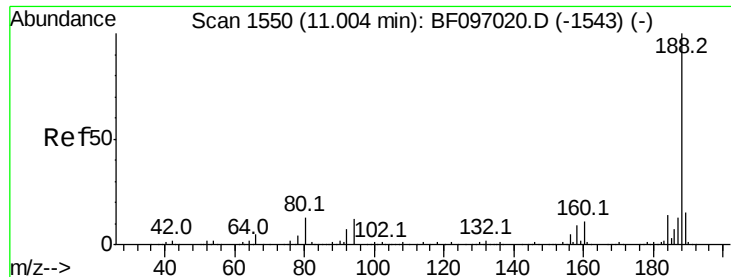
Sohil
8/2/2017 7:15:49 PM



#49
Dimethylphthalate
Concen: 7.503 ng
RT: 9.22 min Scan# 1247
Delta R.T. -0.02 min
Lab File: BF097267.D
Acq: 2 Aug 2017 11:09

Tgt Ion	Ratio	Resp Lower	Upper
163	100		
194	3.1	2.6	4.0
164	11.1	8.4	12.6





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 10.96 min Scan# 1543

Delta R.T. -0.01 min

Lab File: BF097267.D

Acq: 2 Aug 2017 11:09

Instrument :

BNA_F

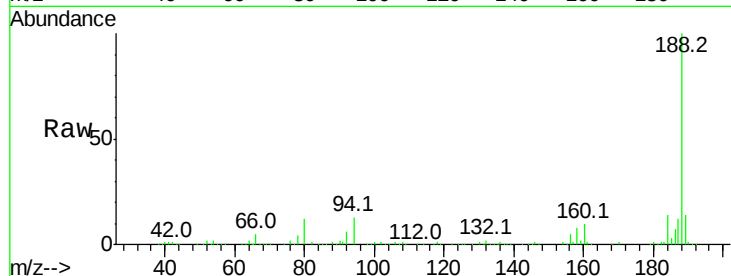
ClientSampleId :

E2-HS6-WSW

Tot Ion:	188	Resp:	227937
Ion Ratio	Lower	Upper	
188	100		
94	12.5	9.4	14.2
80	12.1	10.2	15.2

Manual Integrations
APPROVED

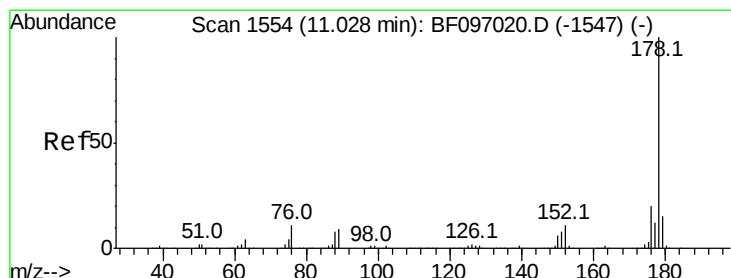
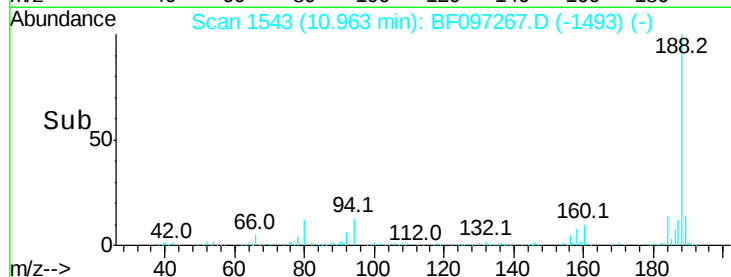
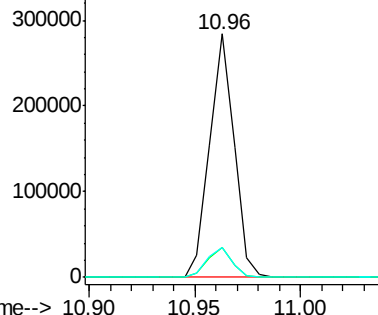
Sohil
8/2/2017 7:15:49 PM



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: 16.392 ng

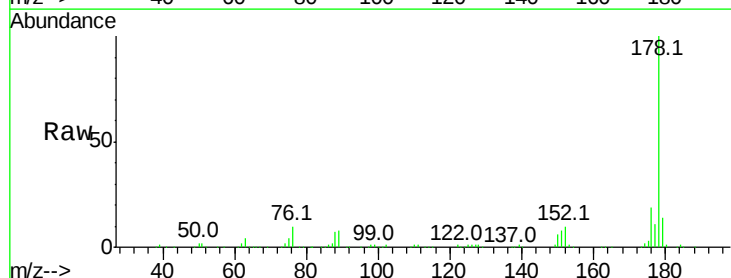
RT: 10.99 min Scan# 1547

Delta R.T. -0.01 min

Lab File: BF097267.D

Acq: 2 Aug 2017 11:09

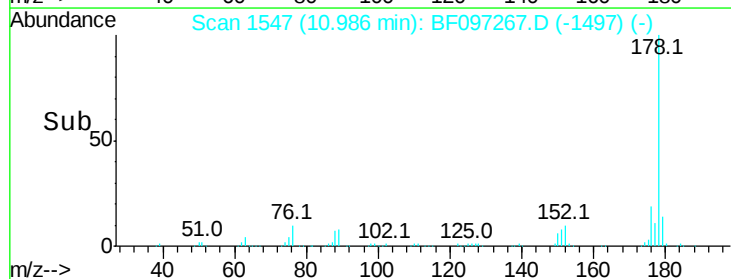
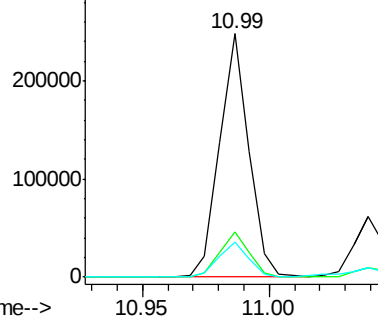
Tgt Ion:	178	Resp:	200197
Ion Ratio	Lower	Upper	
178	100		
176	18.6	16.2	24.4
179	14.2	12.6	19.0

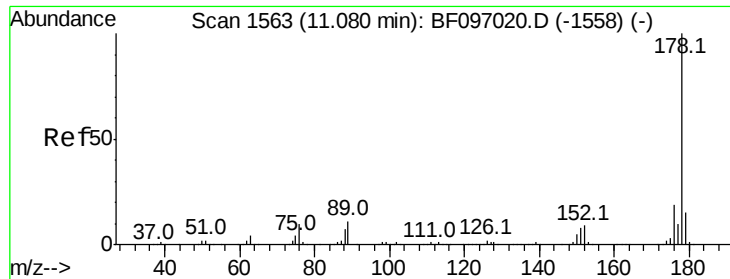


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





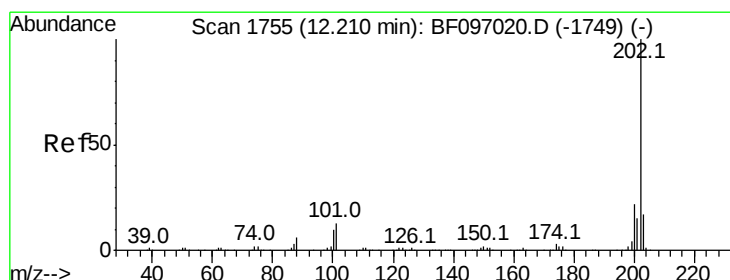
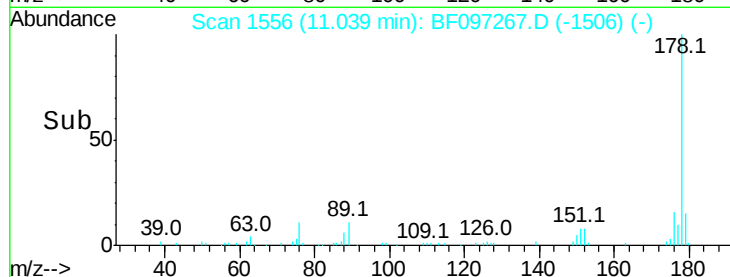
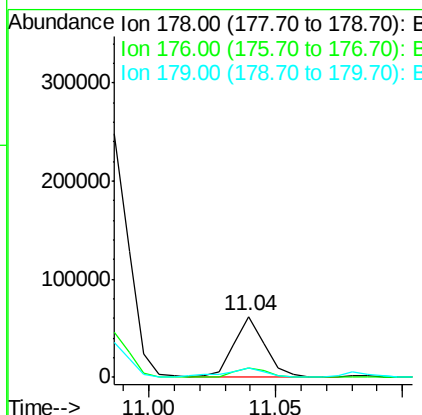
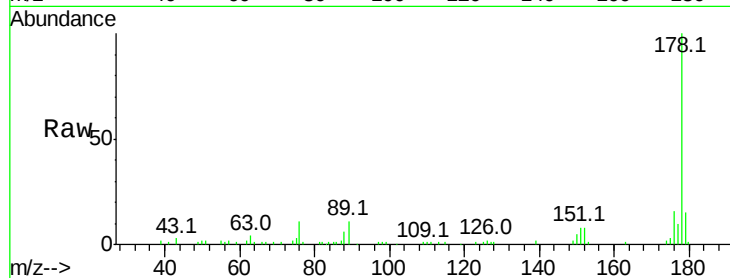
#71
 Anthracene
 Concen: 4.072 ng
 RT: 11.04 min Scan# 1556
 Delta R.T. -0.01 min
 Lab File: BF097267.D
 Acq: 2 Aug 2017 11:09

Instrument :
 BNA_F
 ClientSampleId :
 E2-HS6-WSW

Tot Ion	Ratio	Lower	Upper
178	100		
176	16.4	15.8	23.8
179	15.0	12.7	19.1

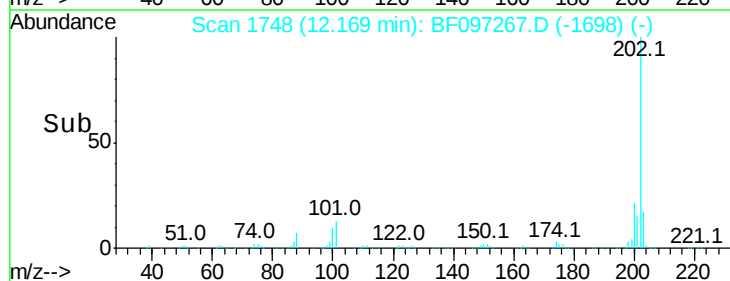
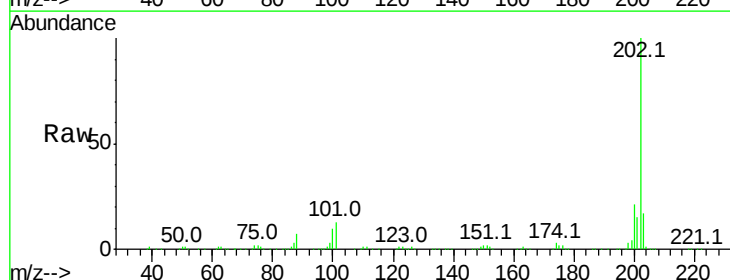
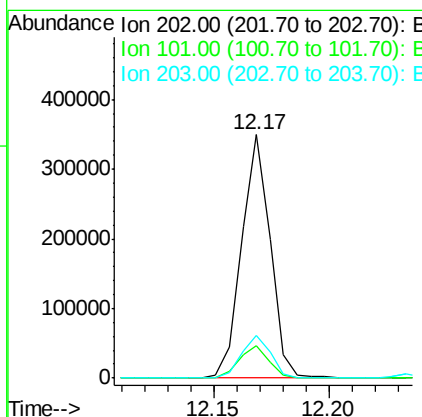
Manual Integrations
 APPROVED

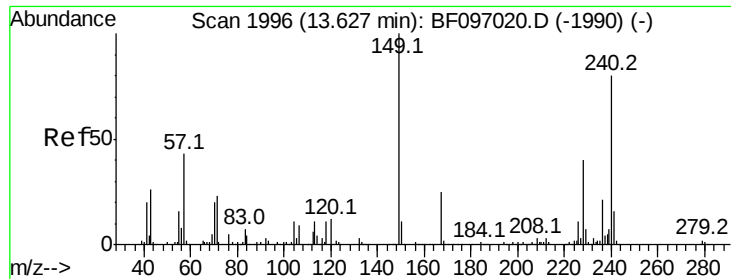
Sohil
 8/2/2017 7:15:49 PM



#74
 Fluoranthene
 Concen: 25.213 ng
 RT: 12.17 min Scan# 1748
 Delta R.T. -0.01 min
 Lab File: BF097267.D
 Acq: 2 Aug 2017 11:09

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.4	0.0	33.2
203	17.5	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.59 min Scan# 1989

Delta R.T. -0.01 min

Lab File: BF097267.D

Acq: 2 Aug 2017 11:09

Instrument :

BNA_F

ClientSampleId :

E2-HS6-WSW

Tot Ion:240 Resp: 215891

Ion Ratio Lower Upper

240 100

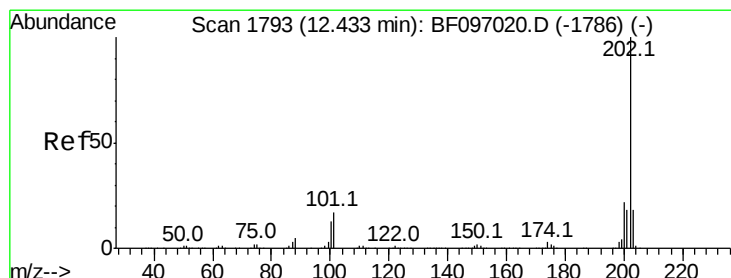
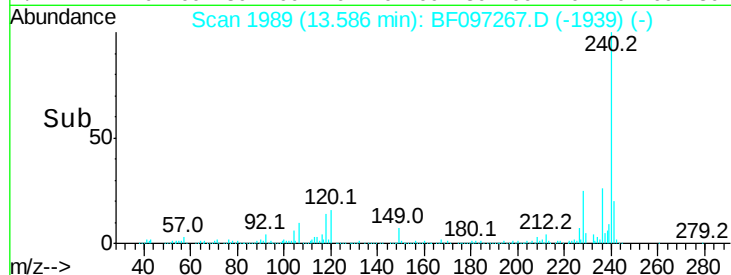
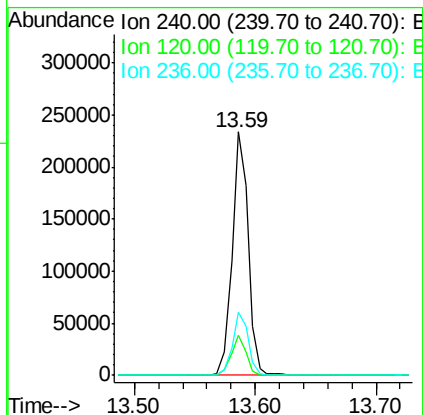
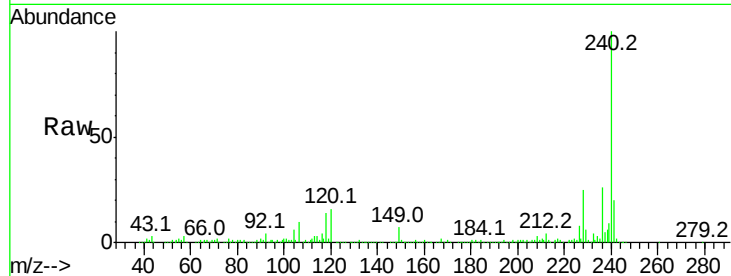
120 16.4 5.8 8.8#

236 26.0 20.5 30.7

Manual Integrations
APPROVED

Sohil

8/2/2017 7:15:49 PM



#77

Pyrene

Concen: 15.771 ng

RT: 12.39 min Scan# 1786

Delta R.T. -0.01 min

Lab File: BF097267.D

Acq: 2 Aug 2017 11:09

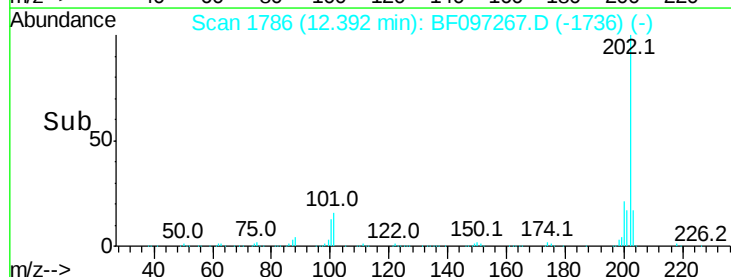
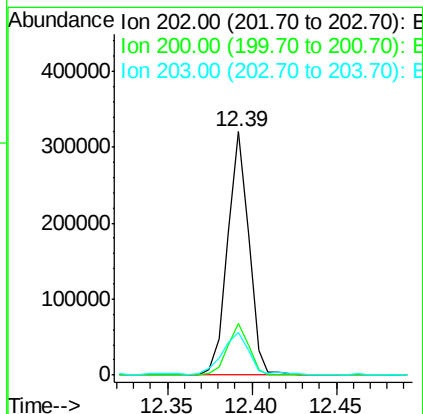
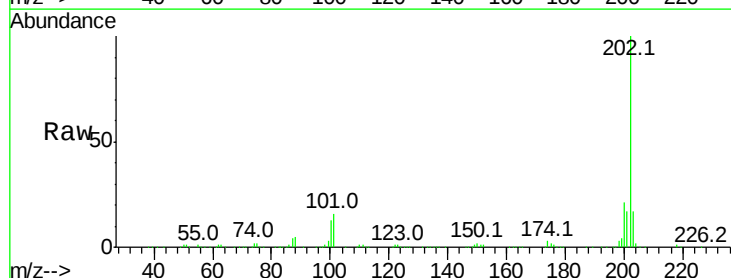
Tgt Ion:202 Resp: 278745

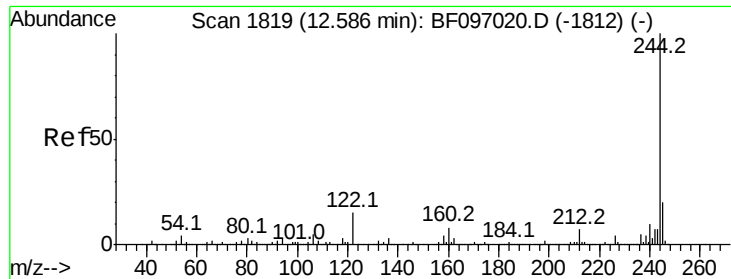
Ion Ratio Lower Upper

202 100

200 21.1 17.6 26.4

203 17.3 14.4 21.6





#78

Terphenyl-d14

Concen: 14.699 ng

RT: 12.55 min Scan# 1812

Delta R.T. -0.01 min

Lab File: BF097267.D

Acq: 2 Aug 2017 11:09

Instrument :

BNA_F

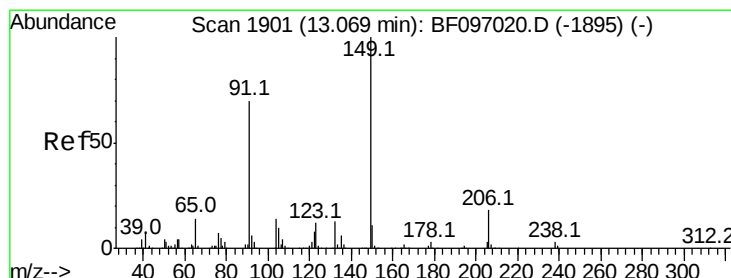
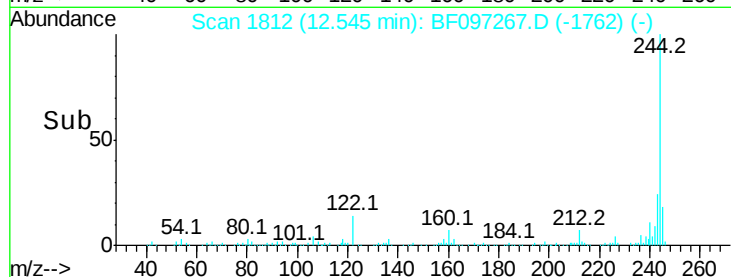
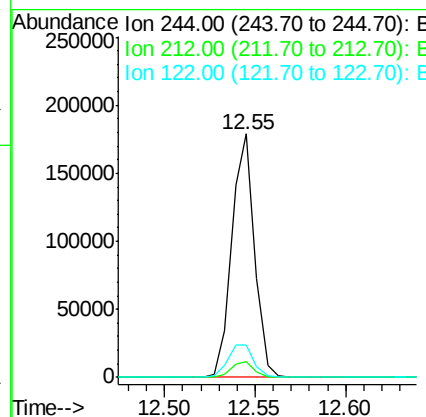
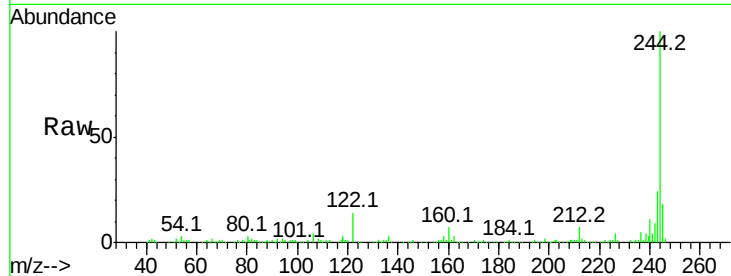
ClientSampleId :

E2-HS6-WSW

Tot Ion:	244	Resp:	155650
Ion Ratio	Lower	Upper	
244	100		
212	6.6	6.0	9.0
122	13.6	10.3	15.5

Manual Integrations
APPROVED

Sohil
8/2/2017 7:15:49 PM



#79

Butylbenzylphthalate

Concen: 3.995 ng

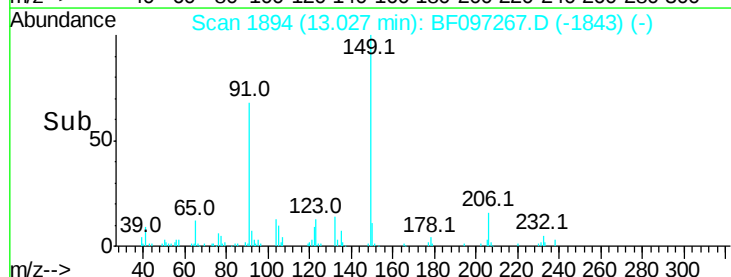
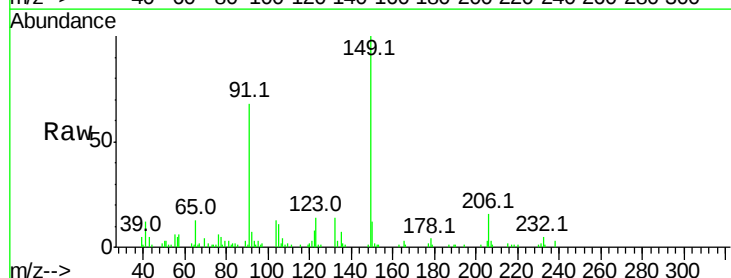
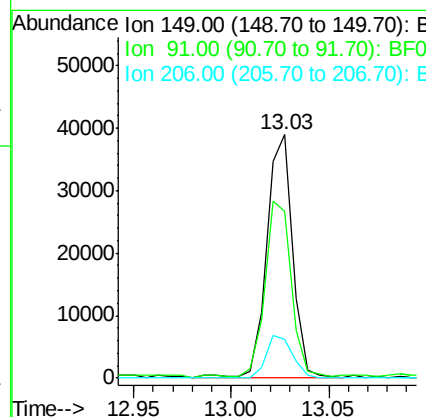
RT: 13.03 min Scan# 1894

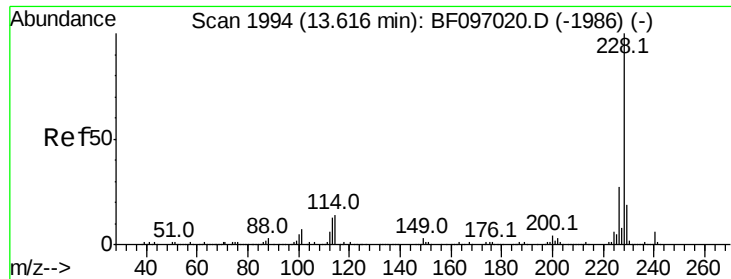
Delta R.T. 0.00 min

Lab File: BF097267.D

Acq: 2 Aug 2017 11:09

Tgt Ion:	149	Resp:	35917
Ion Ratio	Lower	Upper	
149	100		
91	68.4	45.0	67.4#
206	16.1	17.0	25.6#





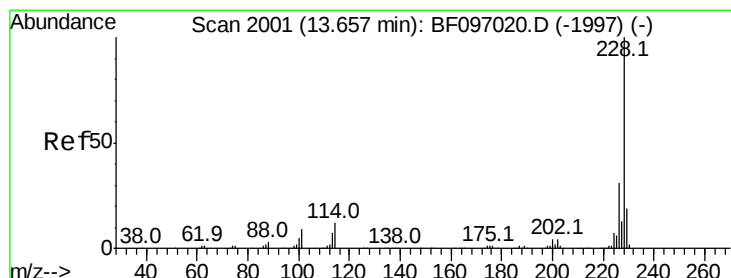
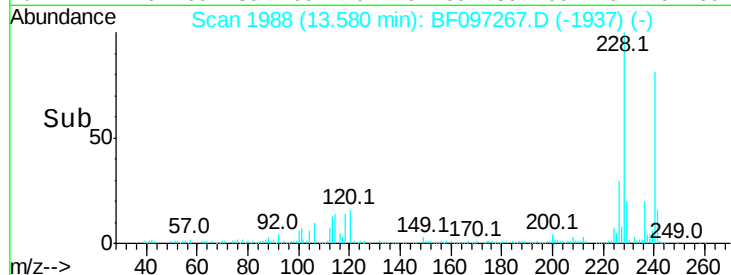
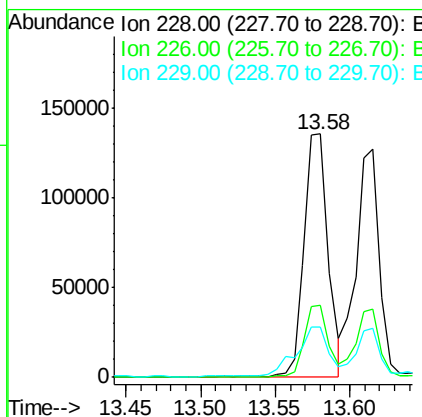
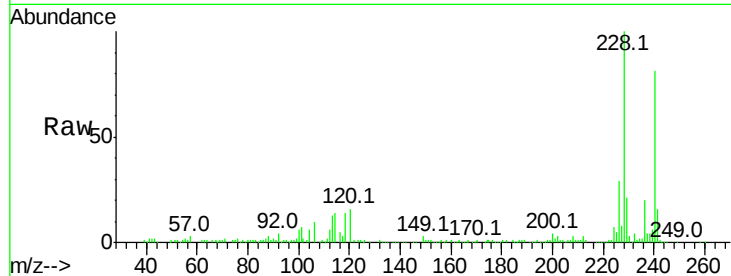
#80
Benzo(a)anthracene
Concen: 10.878 ng
RT: 13.58 min Scan# 1988
Delta R.T. 0.00 min
Lab File: BF097267.D
Acq: 2 Aug 2017 11:09

Instrument :
BNA_F
ClientSampleId :
E2-HS6-WSW

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.4	22.6	33.8
229	20.5	16.3	24.5

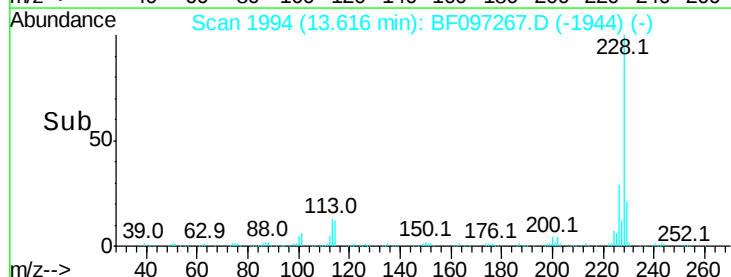
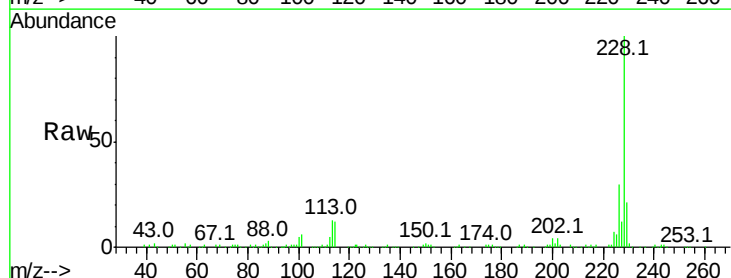
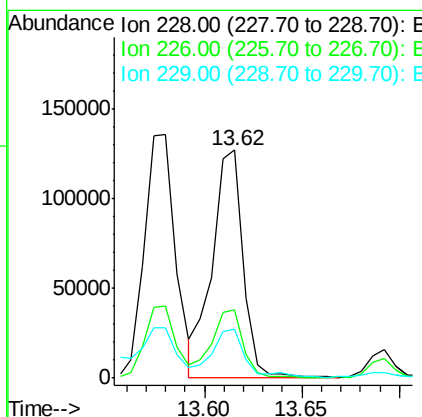
Manual Integrations
APPROVED

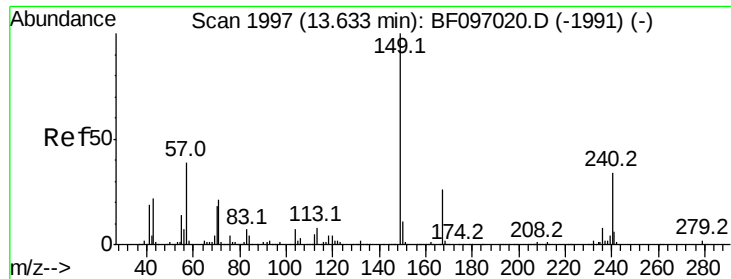
Sohil
8/2/2017 7:15:49 PM



#82
Chrysene
Concen: 10.246 ng
RT: 13.62 min Scan# 1994
Delta R.T. -0.01 min
Lab File: BF097267.D
Acq: 2 Aug 2017 11:09

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.9	37.3
229	21.4	15.8	23.6





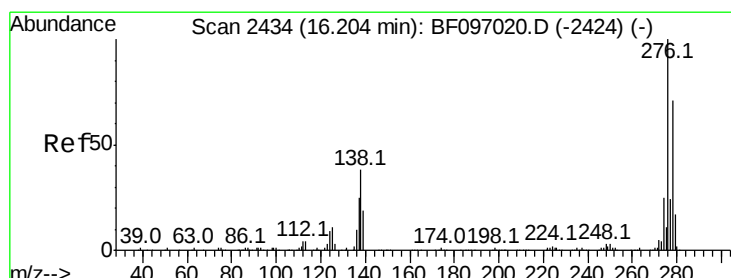
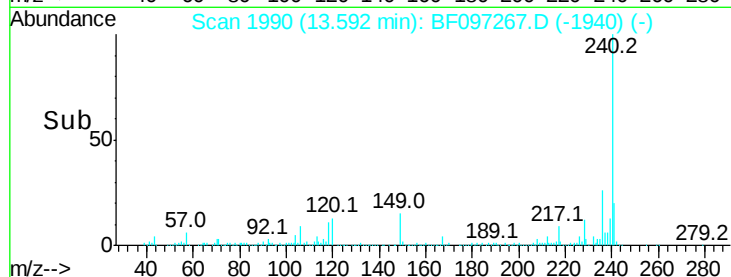
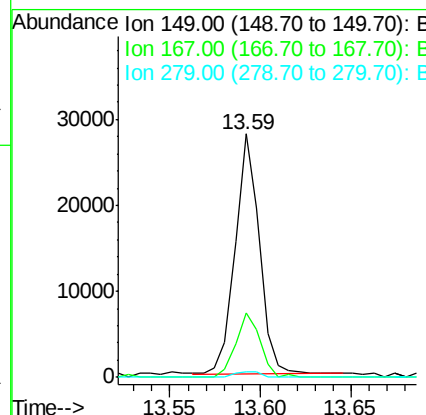
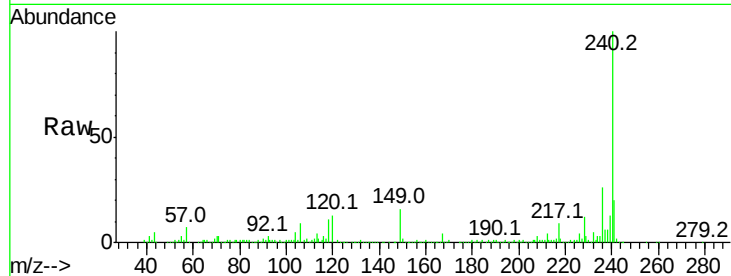
#83
Bis(2-ethylhexyl)phthalate
Concen: 2.240 ng
RT: 13.59 min Scan# 1990
Delta R.T. -0.01 min
Lab File: BF097267.D
Acq: 2 Aug 2017 11:09

Instrument :
BNA_F
ClientSampleId :
E2-HS6-WSW

Tot Ion	Ratio	Resp	Lower	Upper
149	100	26298		
167	26.4		21.0	31.4
279	2.1		1.9	2.9

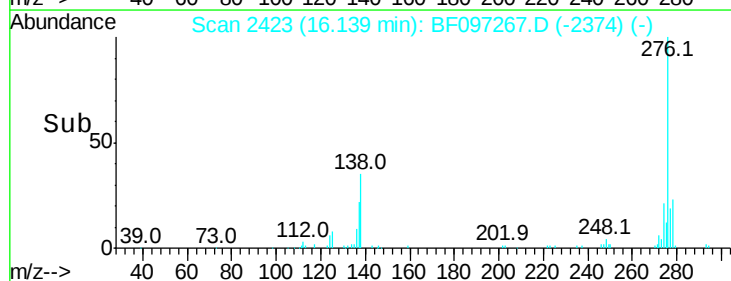
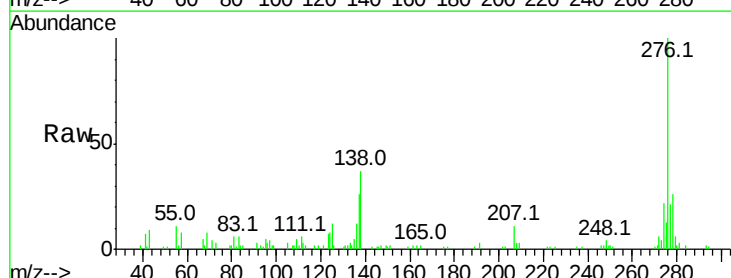
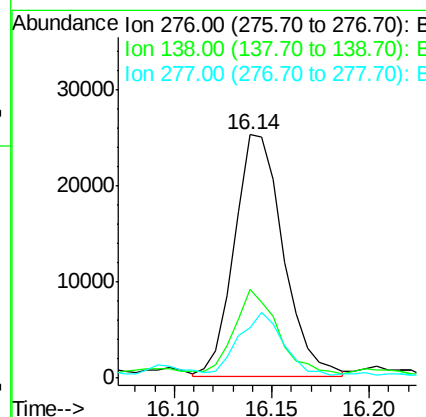
Manual Integrations
APPROVED

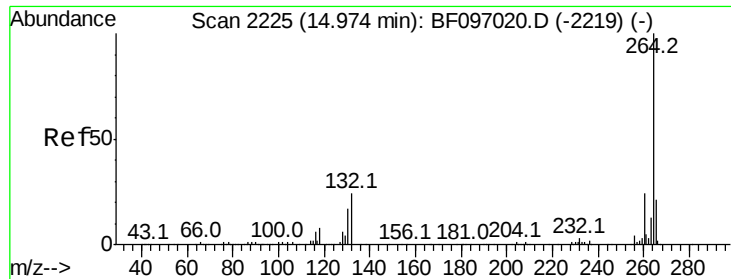
Sohil
8/2/2017 7:15:49 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 3.737 ng
RT: 16.14 min Scan# 2423
Delta R.T. -0.01 min
Lab File: BF097267.D
Acq: 2 Aug 2017 11:09

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	43707		
138	31.0		27.8	41.6
277	23.0		20.2	30.4





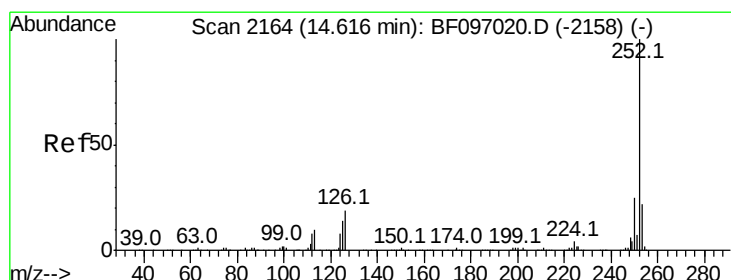
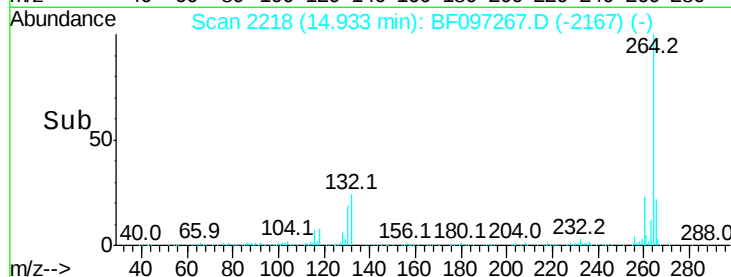
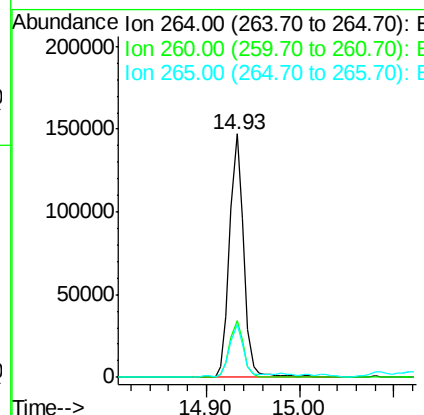
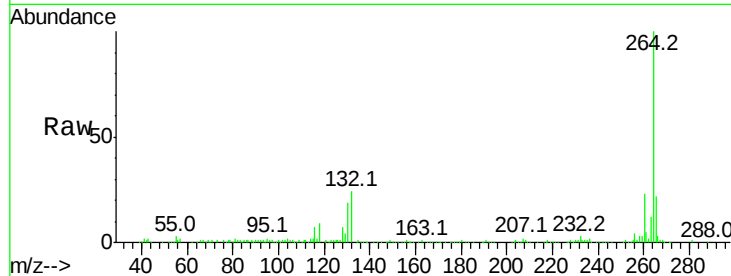
#86
Pervlene-d12
Concen: 20.000 ng
RT: 14.93 min Scan# 2218
Delta R.T. 0.00 min
Lab File: BF097267.D
Acq: 2 Aug 2017 11:09

Instrument :
BNA_F
ClientSampleId :
E2-HS6-WSW

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

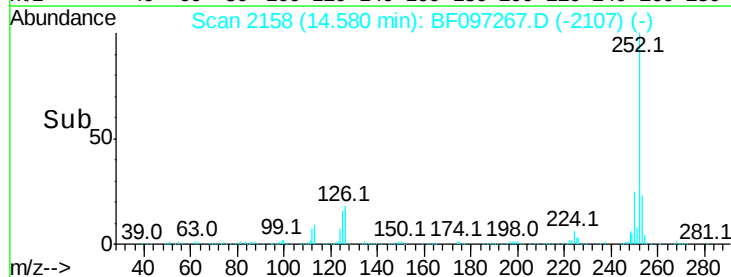
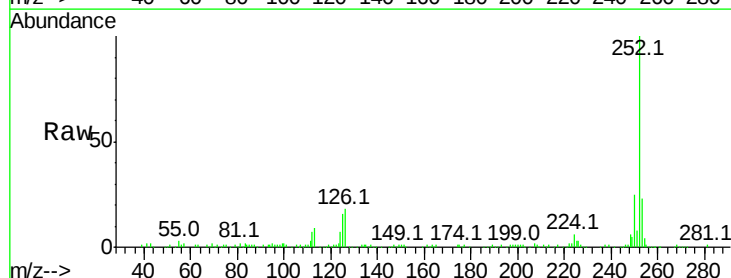
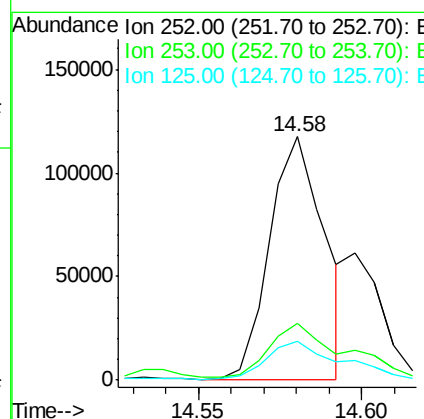
Manual Integrations
APPROVED

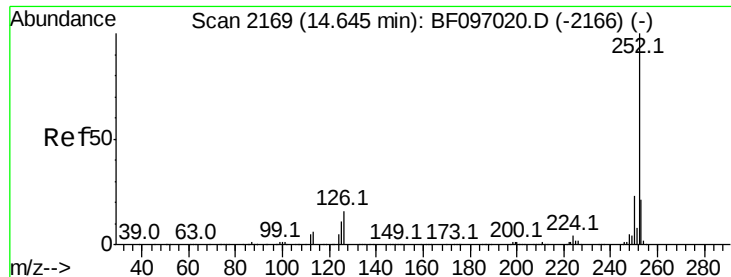
Sohil
8/2/2017 7:15:49 PM



#87
Benzo(b)fluoranthene
Concen: 14.856 ng m
RT: 14.58 min Scan# 2158
Delta R.T. 0.00 min
Lab File: BF097267.D
Acq: 2 Aug 2017 11:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.1	27.1
125	16.0	9.8	14.8#





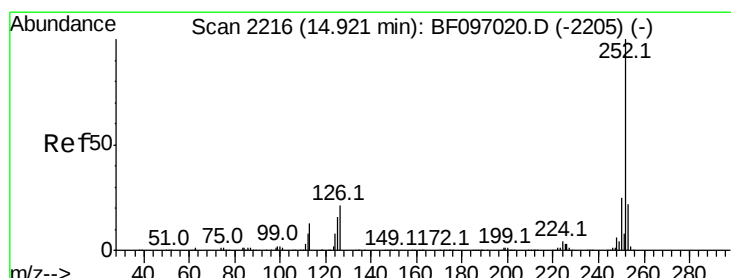
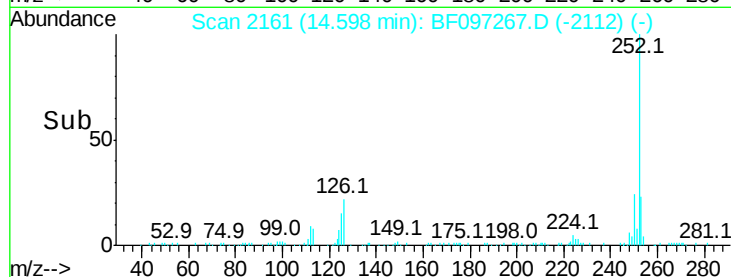
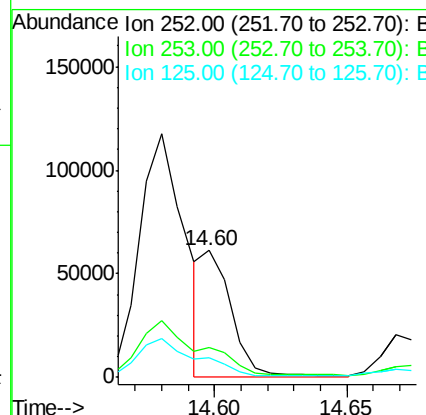
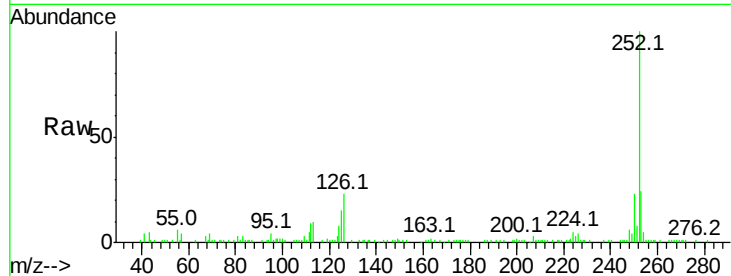
#88
Benzo(k)fluoranthene
Concen: 5.480 ng m
RT: 14.60 min Scan# 2161
Delta R.T. -0.01 min
Lab File: BF097267.D
Acq: 2 Aug 2017 11:09

Instrument :
BNA_F
ClientSampleId :
E2-HS6-WSW

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.4	27.6
125	15.3	13.1	19.7

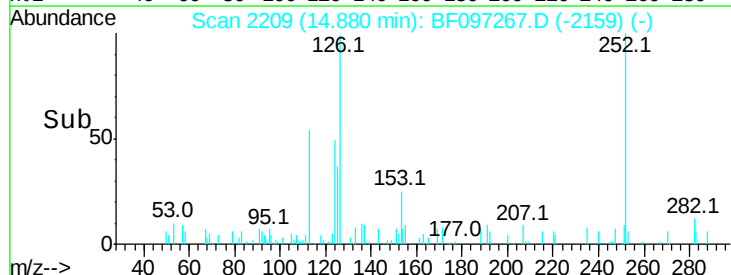
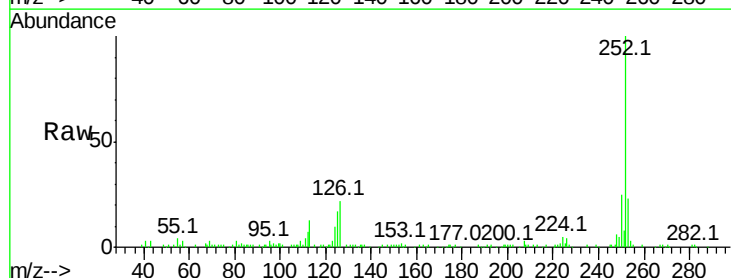
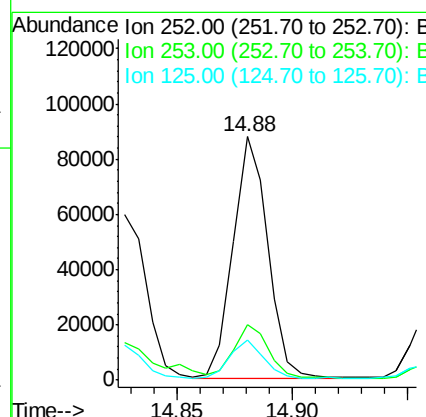
Manual Integrations
APPROVED

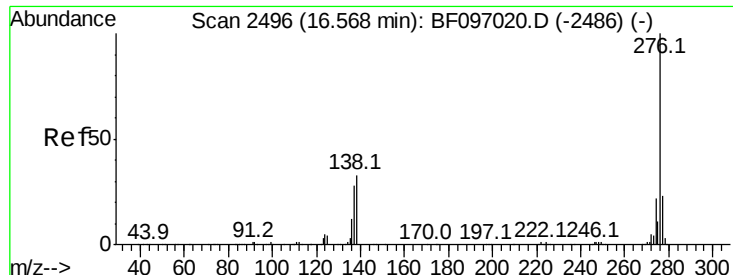
Sohil
8/2/2017 7:15:49 PM



#89
Benzo(a)pyrene
Concen: 10.952 ng
RT: 14.88 min Scan# 2209
Delta R.T. -0.01 min
Lab File: BF097267.D
Acq: 2 Aug 2017 11:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.5	26.3
125	16.6	11.0	16.4#





#91
 Benzo(a,h,i)perylene
 Concen: 5.857 ng
 RT: 16.50 min Scan# 2485
 Delta R.T. -0.01 min
 Lab File: BF097267.D
 Acq: 2 Aug 2017 11:09

Instrument :
 BNA_F
 ClientSampleId :
 E2-HS6-WSW

Tot Ion:	276	Resp:	42860
Ion Ratio	Lower	Upper	
276	100		
277	23.0	18.6	28.0
138	34.0	25.4	38.0

Manual Integrations
 APPROVED

Sohil
 8/2/2017 7:15:49 PM

