

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060717\
 Data File : BF095758.D
 Acq On : 7 Jun 2017 21:39
 Operator : SJ/MA
 Sample : I3479-03 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-8(0-2)20170603

Manual Integrations
 APPROVED

mohammad
 6/8/2017 12:19:08 PM

Quant Time: Jun 08 05:37:36 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 05 16:15:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	78865	20.00	ng	-0.02
21) Naphthalene-d8	9.42	136	302569	20.00	ng	-0.02
38) Acenaphthene-d10	12.24	164	119754	20.00	ng	-0.02
63) Phenanthrene-d10	14.63	188	174131	20.00	ng	-0.01
75) Chrysene-d12	18.34	240	150990	20.00	ng	-0.01
86) Perylene-d12	20.02	264	112490	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	90111	18.21	ng	0.00
7) Phenol-d6	6.95	99	115753	19.54	ng	0.00
23) Nitrobenzene-d5	8.30	82	65370	13.42	ng	-0.02
41) 2,4,6-Tribromophenol	13.54	330	18057	17.04	ng	-0.01
44) 2-Fluorobiphenyl	11.19	172	144462	16.79	ng	-0.02
78) Terphenyl-d14	17.00	244	86038	14.14	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	11.89	163	23683	2.60	ng	# 98
51) Acenaphthene	12.29	154	44169	5.80	ng	96
54) Dibenzofuran	12.59	168	27020	2.52	ng	95
57) Fluorene	13.13	166	44162	4.73	ng	97
70) Phenanthrene	14.67	178	449293	44.72	ng	96
71) Anthracene	14.76	178	135044	12.87	ng	97
72) Carbazole	15.06	167	53366	5.22	ng	97
74) Fluoranthene	16.45	202	433589	43.60	ng	98
77) Pyrene	16.75	202	369271	32.78	ng	# 95
80) Benzo(a)anthracene	18.34	228	168784	19.23	ng	99
82) Chrysene	18.38	228	151658	17.29	ng	97
85) Indeno(1,2,3-cd)pyrene	21.20	276	44637	5.95	ng	93
87) Benzo(b)fluoranthene	19.62	252	128217m	18.20	ng	
88) Benzo(k)fluoranthene	19.64	252	49446m	7.34	ng	
89) Benzo(a)pyrene	19.96	252	95485	14.75	ng	97
91) Benzo(g,h,i)perylene	21.53	276	40046	7.15	ng	96

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

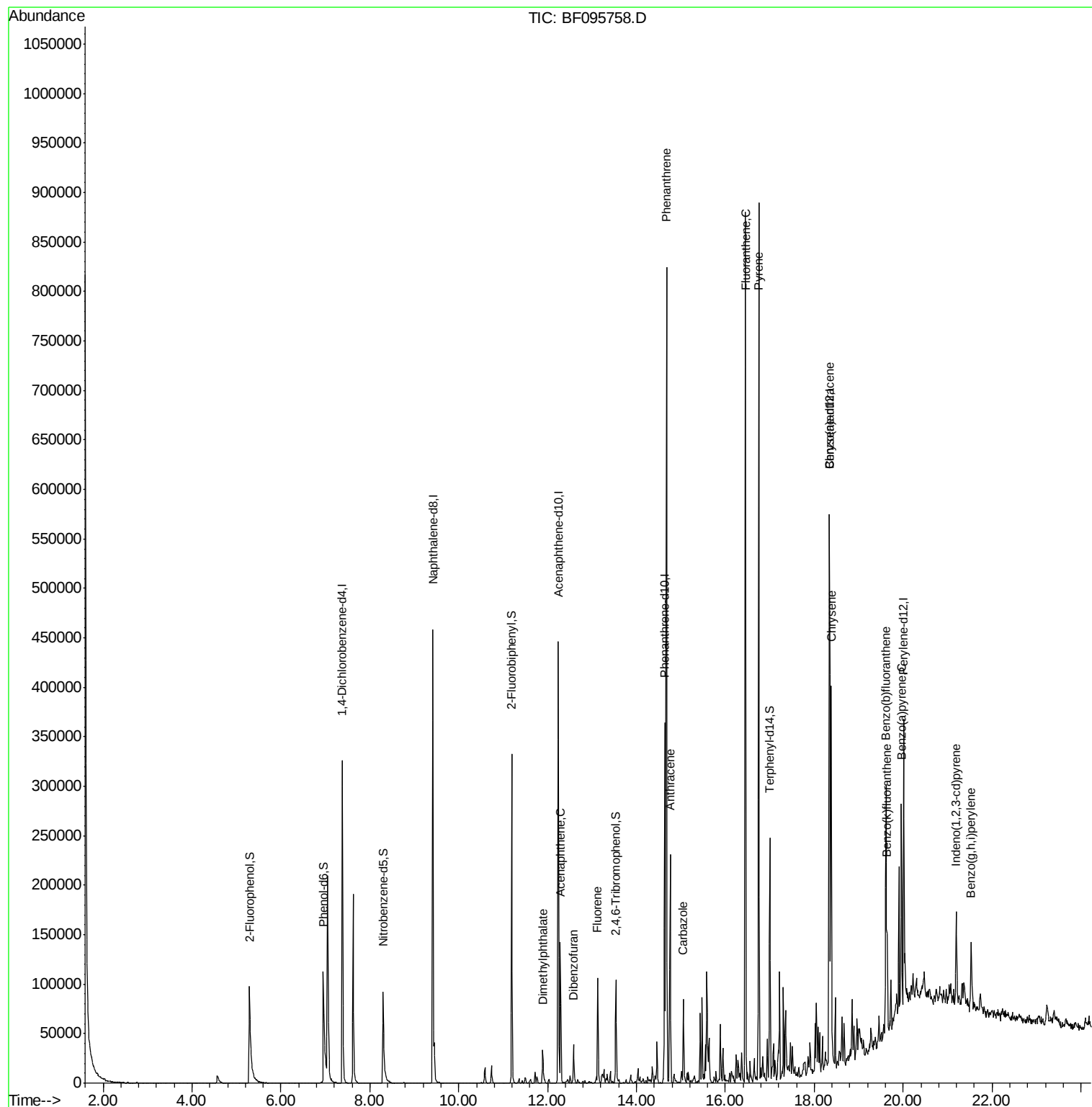
Data Path : Z:\HPCHEM1\BNA F\DATA\BF060717\
Data File : BF095758.D
Acq On : 7 Jun 2017 21:39
Operator : SJ/MA
Sample : I3479-03 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-8(0-2)20170603

Quant Time: Jun 08 05:37:36 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 05 16:15:31 2017
Response via : Initial Calibration

Manual Integrations
APPROVED

mohammad
6/8/2017 12:19:08 PM





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.38 min Scan# 985

Delta R.T. -0.02 min

Lab File: BF095758.D

Acq: 7 Jun 2017 21:39

Instrument :

BNA_F

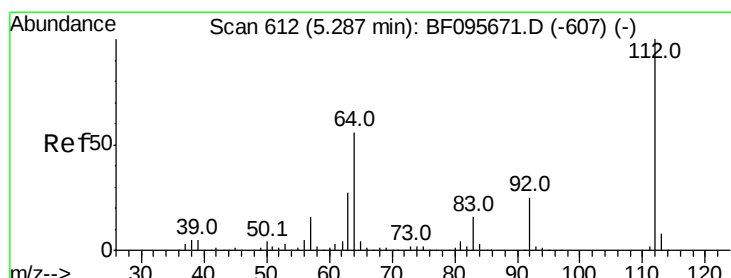
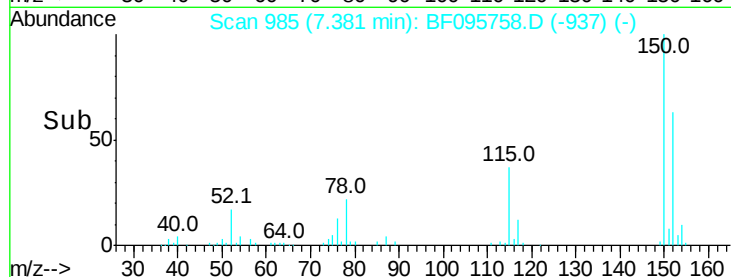
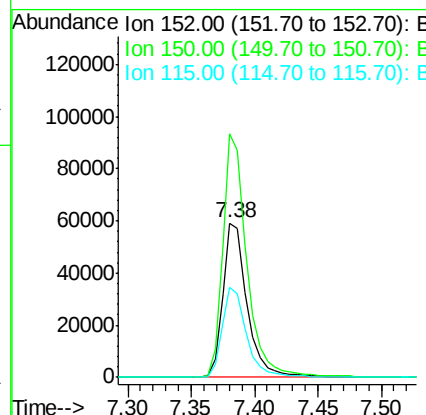
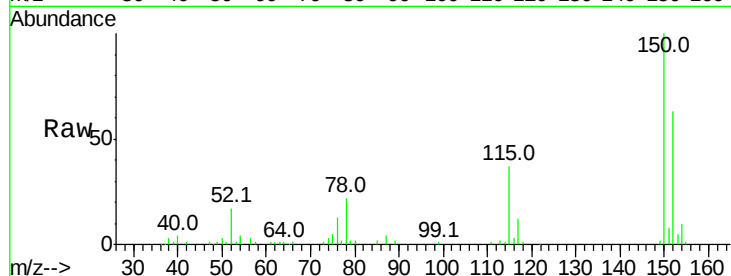
ClientSampleId :

SB-8(0-2)20170603

Tot Ion:	152	Resp:	78865
Ion Ratio	Lower	Upper	
152	100		
150	157.8	126.2	189.2
115	58.6	52.2	78.2

Manual Integrations
APPROVED

mohammad
6/8/2017 12:19:08 PM



#5

2-Fluorophenol

Concen: 18.21 ng

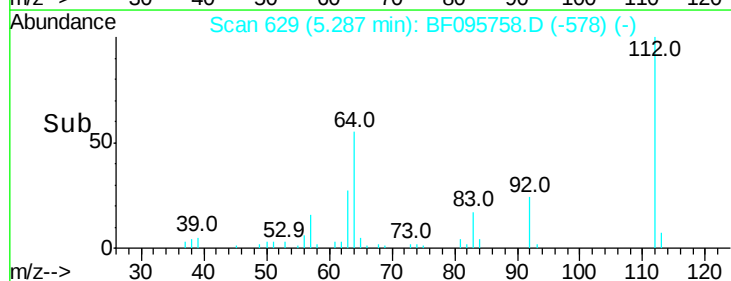
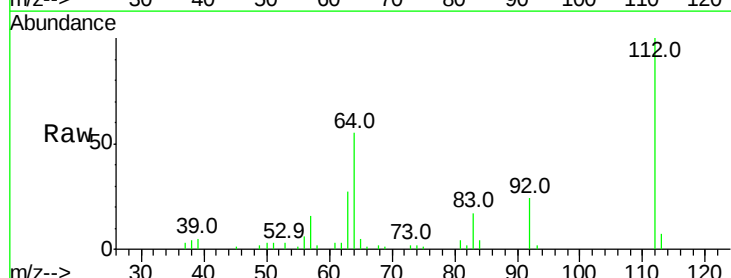
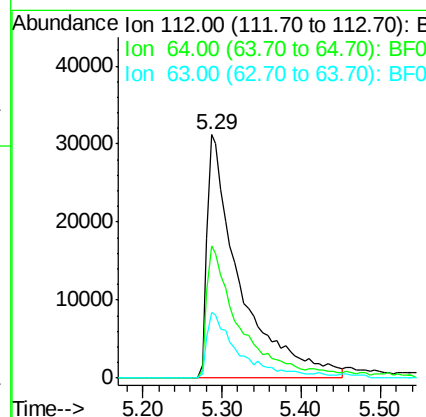
RT: 5.29 min Scan# 629

Delta R.T. 0.00 min

Lab File: BF095758.D

Acq: 7 Jun 2017 21:39

Tgt Ion:	112	Resp:	90111
Ion Ratio	Lower	Upper	
112	100		
64	54.6	46.0	69.0
63	27.1	23.4	35.0





#7

Phenol-d6

Concen: 19.54 ng

RT: 6.95 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF095758.D

Acq: 7 Jun 2017 21:39

Instrument :

BNA_F

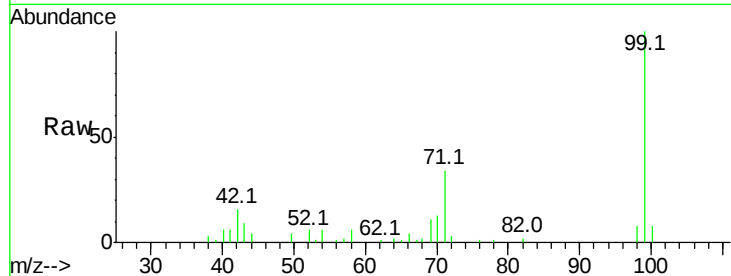
ClientSampleId :

SB-8(0-2)20170603

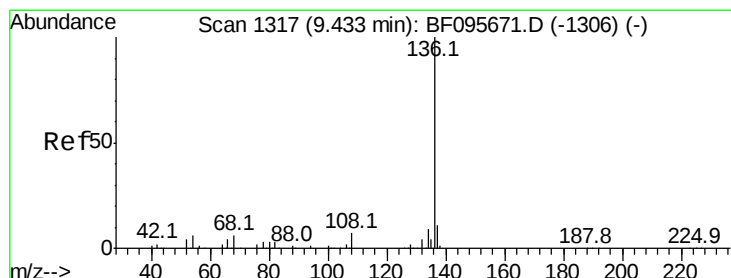
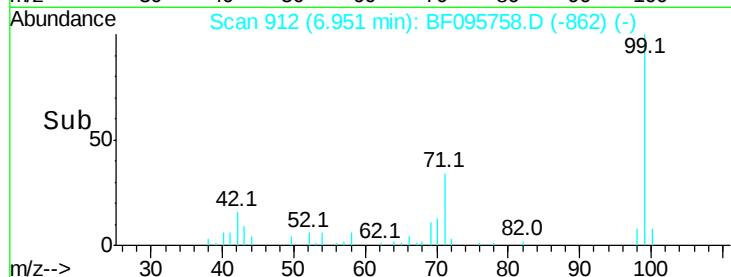
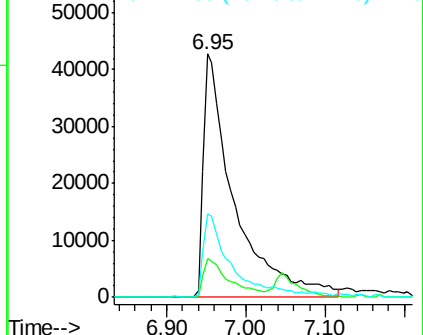
Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		115753		
42	15.9	13.5	20.3		
71	34.3	24.5	36.7		

Manual Integrations
APPROVED

mohammad
6/8/2017 12:19:08 PM



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.42 min Scan# 1331

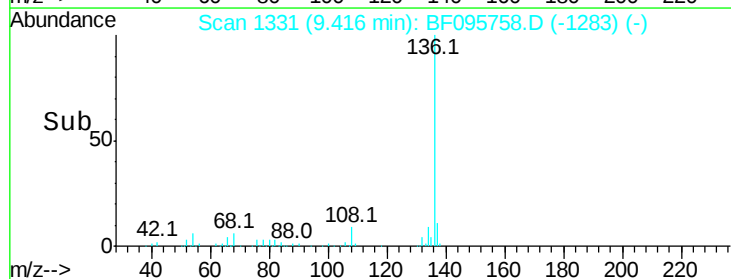
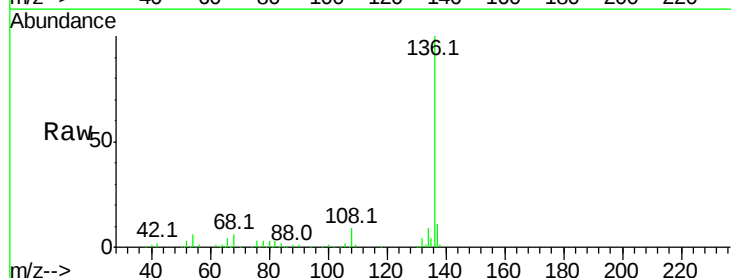
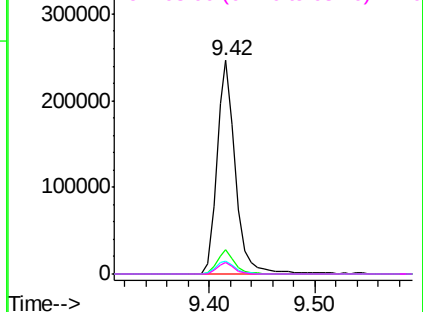
Delta R.T. -0.02 min

Lab File: BF095758.D

Acq: 7 Jun 2017 21:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		302569		
137	11.1	8.5	12.7		
54	6.2	4.9	7.3		
68	5.5	4.1	6.1		

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





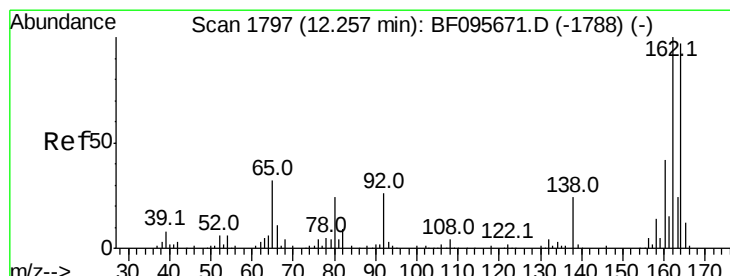
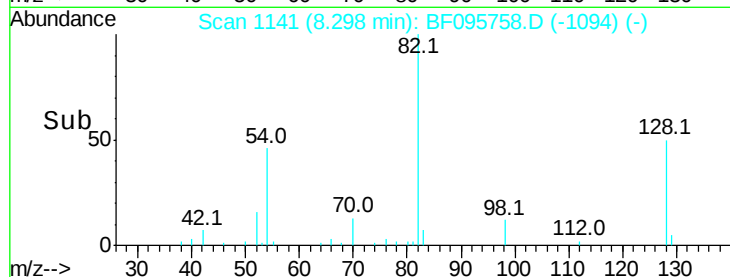
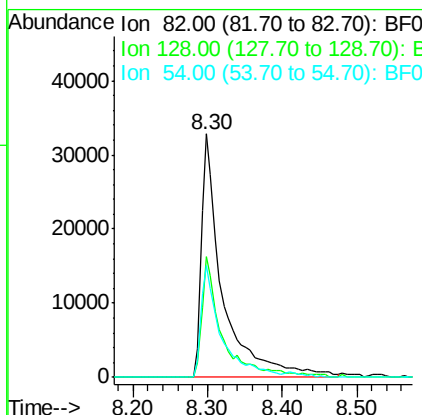
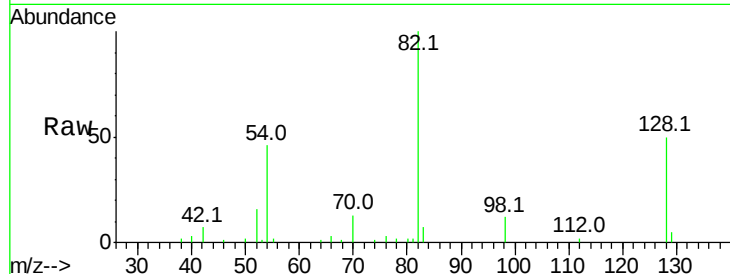
#23
Nitrobenzene-d5
Concen: 13.42 ng
RT: 8.30 min Scan# 1141
Delta R.T. -0.02 min
Lab File: BF095758.D
Acq: 7 Jun 2017 21:39

Instrument :
BNA_F
ClientSampleId :
SB-8(0-2)20170603

Tot Ion	82	Resp	65370
Ion Ratio	100	Lower	Upper
82	100		
128	49.8	34.0	51.0
54	45.8	42.2	63.2

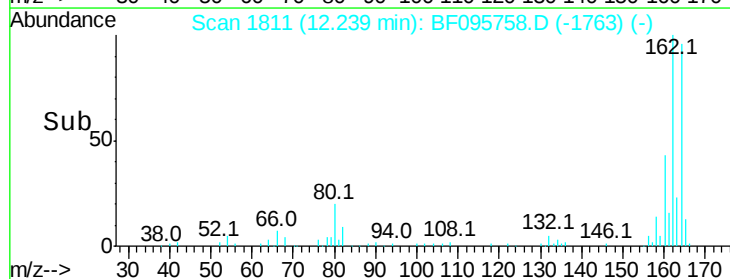
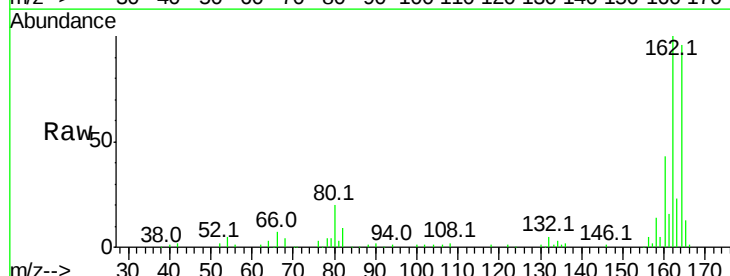
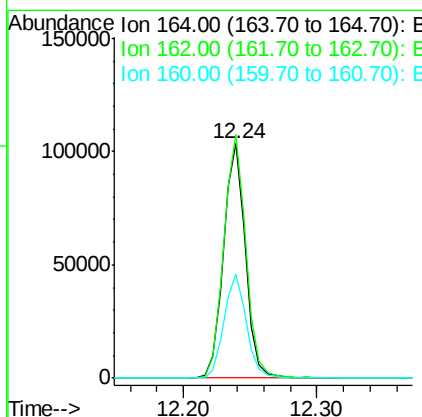
Manual Integrations
APPROVED

mohammad
6/8/2017 12:19:08 PM



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.24 min Scan# 1811
Delta R.T. -0.02 min
Lab File: BF095758.D
Acq: 7 Jun 2017 21:39

Tgt Ion	164	Resp	119754
Ion Ratio	100	Lower	Upper
164	100		
162	103.8	82.6	123.8
160	44.5	36.2	54.2





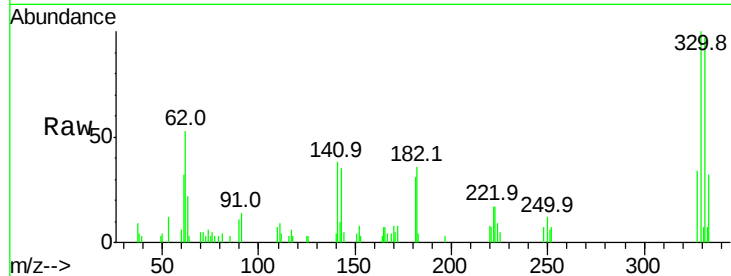
#41
 2,4,6-Tribromophenol
 Concen: 17.04 ng
 RT: 13.54 min Scan# 2032
 Delta R.T. -0.01 min
 Lab File: BF095758.D
 Acq: 7 Jun 2017 21:39

Instrument :
 BNA_F
 ClientSampleId :
 SB-8(0-2)20170603

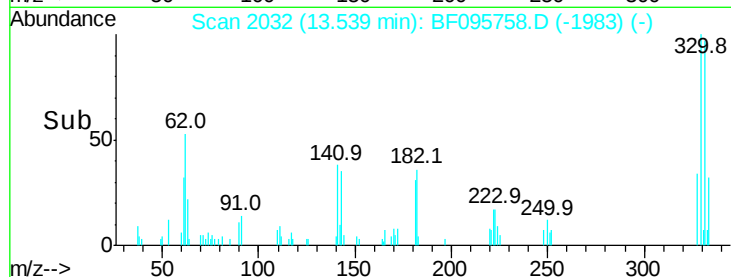
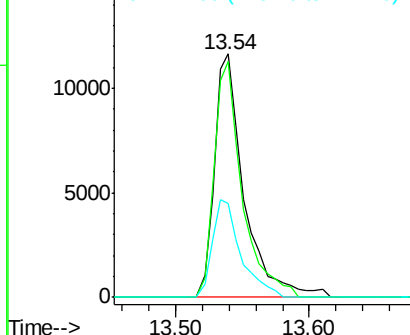
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	92.2	76.6	115.0	
141	38.5	31.4	47.2	

Manual Integrations
 APPROVED

mohammad
 6/8/2017 12:19:08 PM

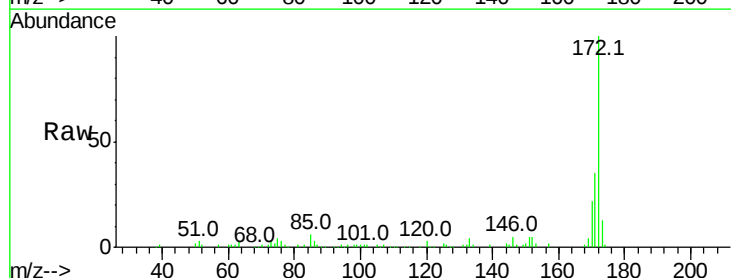


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

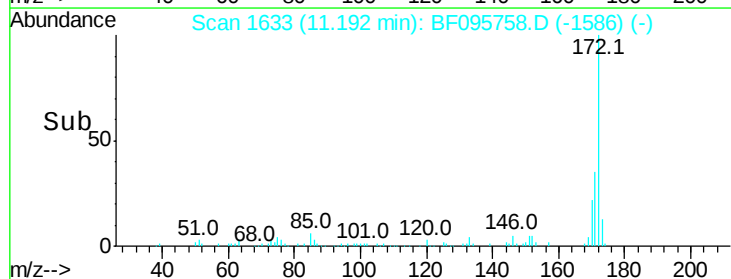
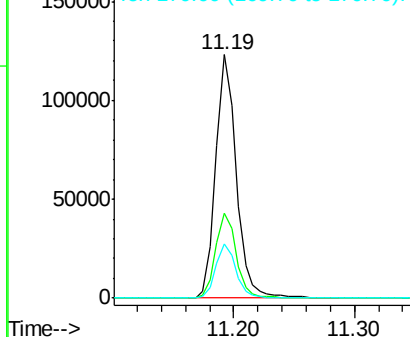


#44
 2-Fluorobiphenyl
 Concen: 16.79 ng
 RT: 11.19 min Scan# 1633
 Delta R.T. -0.02 min
 Lab File: BF095758.D
 Acq: 7 Jun 2017 21:39

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.0	29.6	44.4	
170	22.4	19.8	29.8	



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





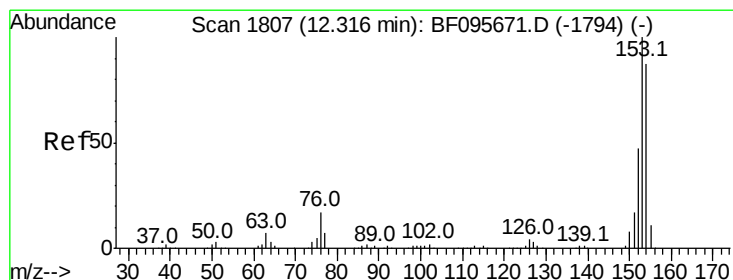
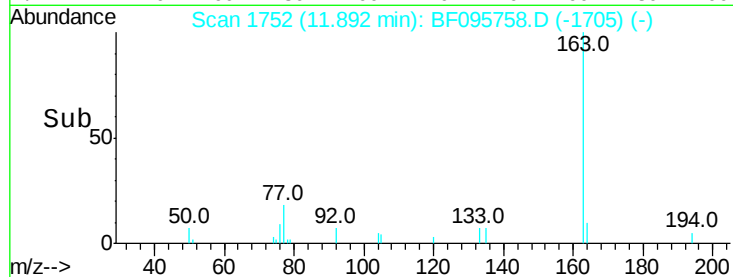
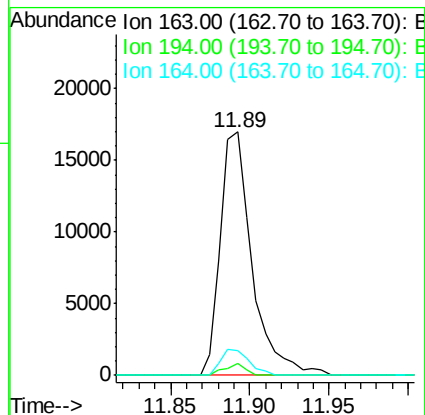
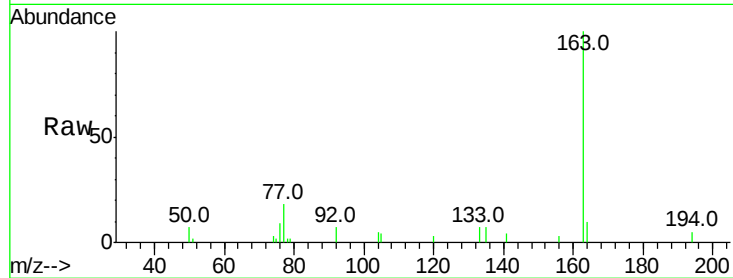
#49
Dimethylphthalate
Concen: 2.60 ng
RT: 11.89 min Scan# 1752
Delta R.T. -0.02 min
Lab File: BF095758.D
Acq: 7 Jun 2017 21:39

Instrument :
BNA_F
ClientSampleId :
SB-8(0-2)20170603

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.9	2.6	4.0#
164	10.0	8.4	12.6

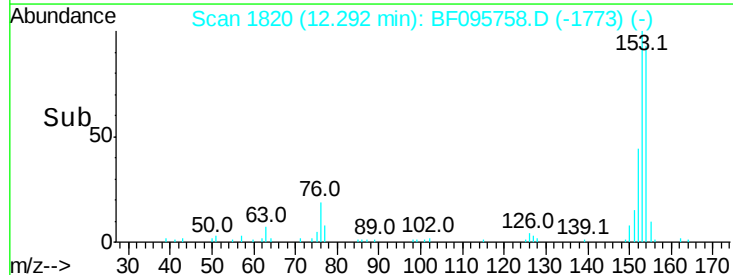
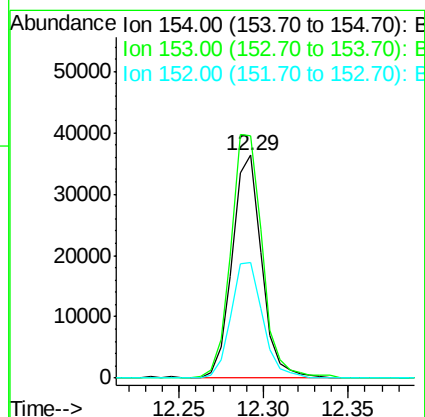
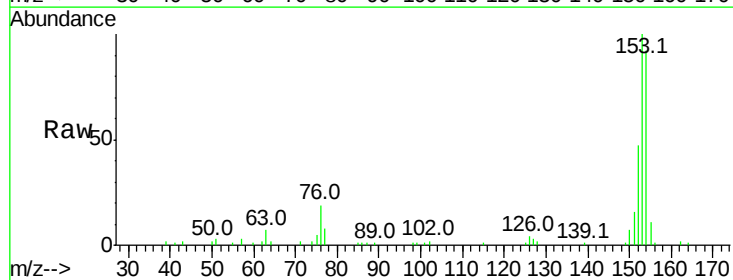
Manual Integrations
APPROVED

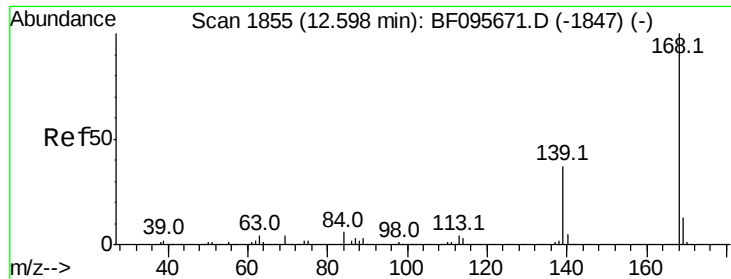
mohammad
6/8/2017 12:19:08 PM



#51
Acenaphthene
Concen: 5.80 ng
RT: 12.29 min Scan# 1820
Delta R.T. -0.02 min
Lab File: BF095758.D
Acq: 7 Jun 2017 21:39

Tgt Ion	Ratio	Lower	Upper
154	100		
153	108.7	90.5	135.7
152	51.6	43.6	65.4





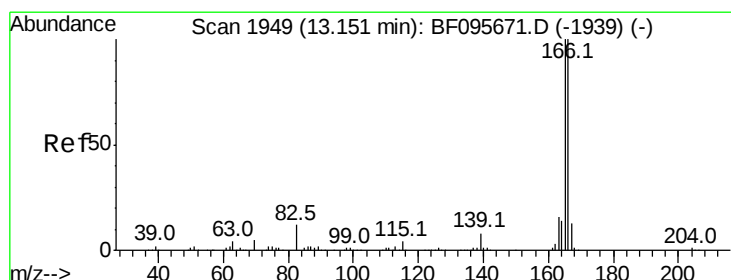
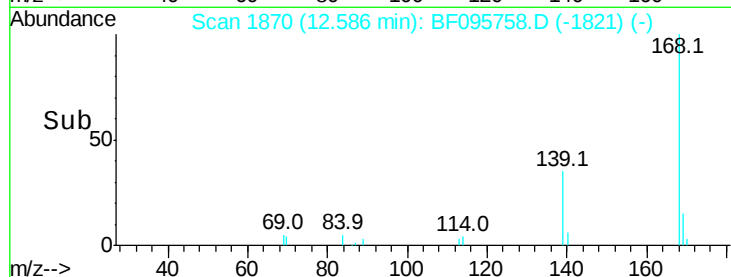
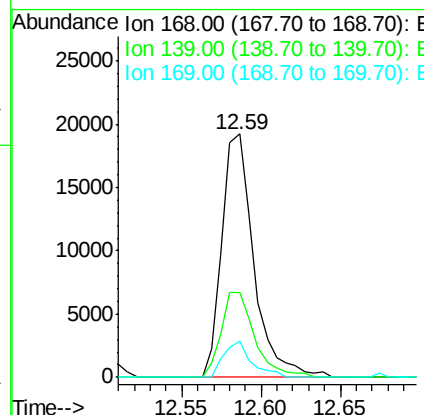
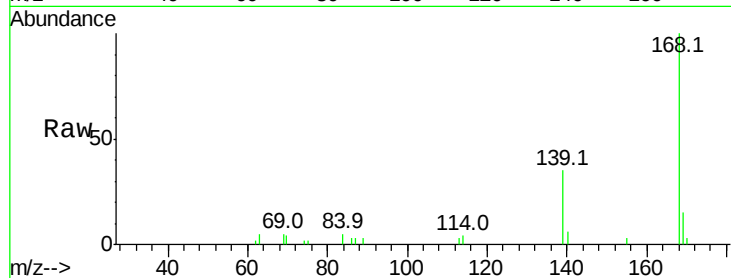
#54
Dibenzenofuran
Concen: 2.52 ng
RT: 12.59 min Scan# 1870
Delta R.T. -0.01 min
Lab File: BF095758.D
Acq: 7 Jun 2017 21:39

Instrument :
BNA_F
ClientSampleId :
SB-8(0-2)20170603

Tot Ion	Ratio	Lower	Upper
168	100		
139	35.0	30.6	45.8
169	14.7	10.8	16.2

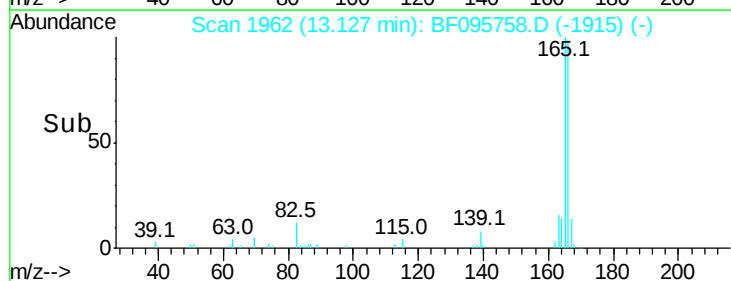
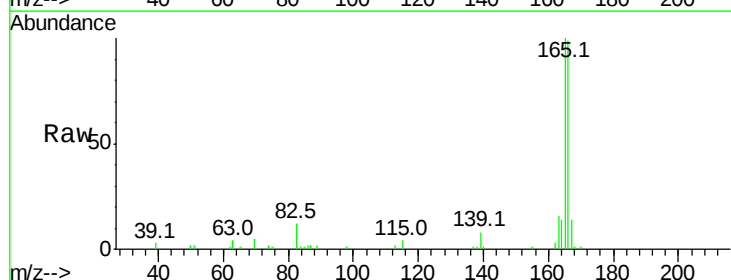
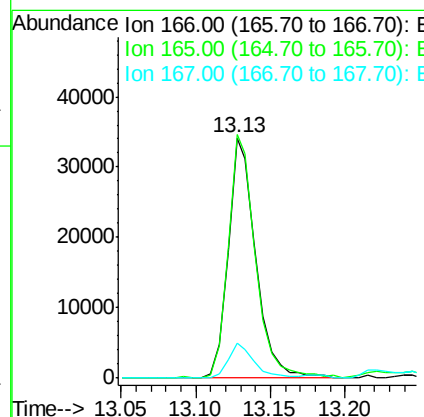
Manual Integrations
APPROVED

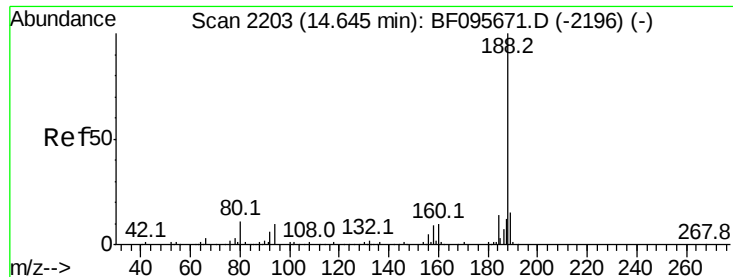
mohammad
6/8/2017 12:19:08 PM



#57
Fluorene
Concen: 4.73 ng
RT: 13.13 min Scan# 1962
Delta R.T. -0.02 min
Lab File: BF095758.D
Acq: 7 Jun 2017 21:39

Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.3	78.8	118.2
167	14.3	10.6	16.0





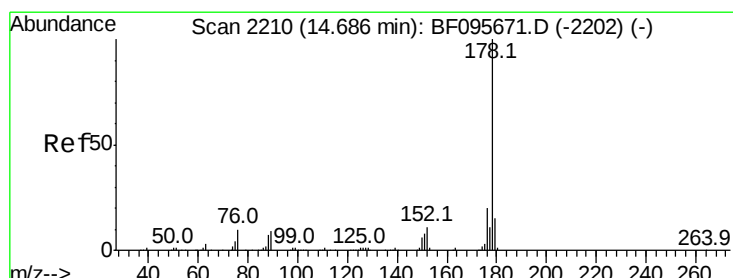
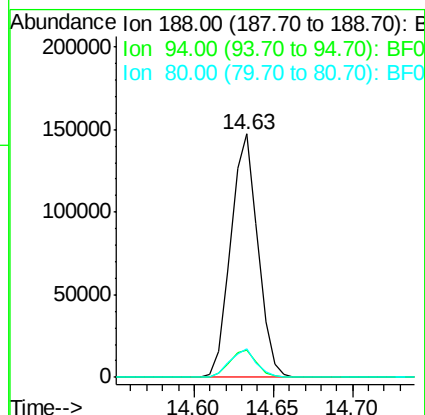
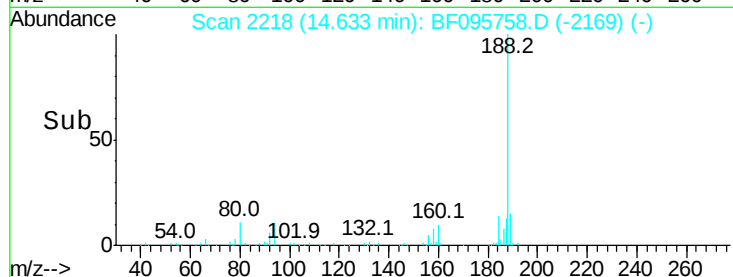
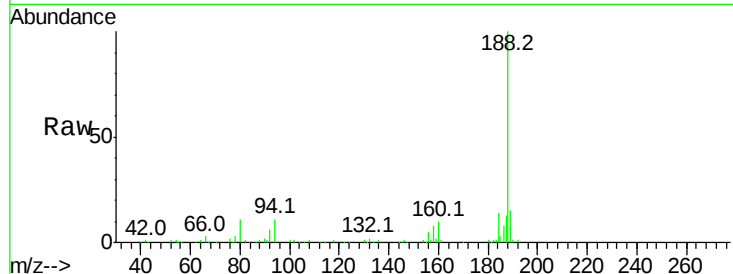
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.63 min Scan# 2218
Delta R.T. -0.01 min
Lab File: BF095758.D
Acq: 7 Jun 2017 21:39

Instrument :
BNA_F
ClientSampleId :
SB-8(0-2)20170603

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	11.0	9.4	14.2
80	11.5	10.2	15.2

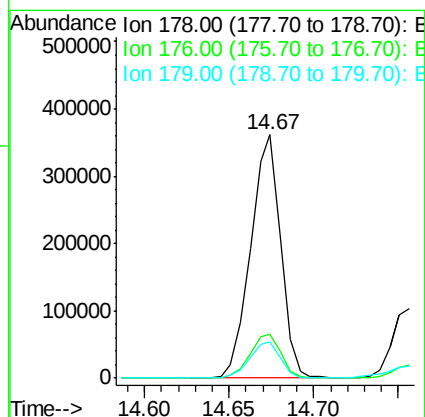
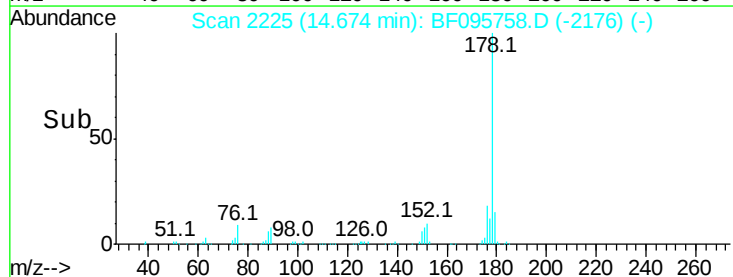
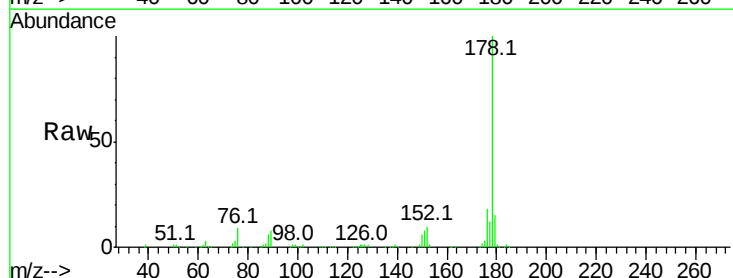
Manual Integrations
APPROVED

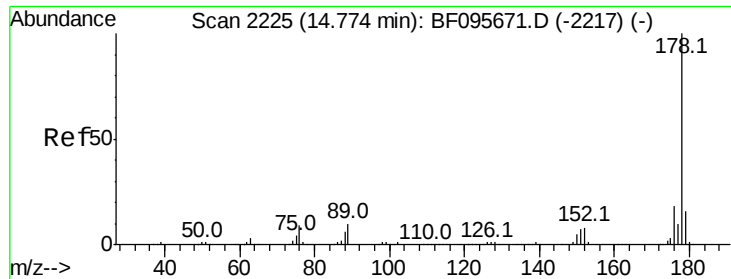
mohammad
6/8/2017 12:19:08 PM



#70
Phenanthrene
Concen: 44.72 ng
RT: 14.67 min Scan# 2225
Delta R.T. -0.01 min
Lab File: BF095758.D
Acq: 7 Jun 2017 21:39

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.1	16.2	24.4
179	14.9	12.6	19.0





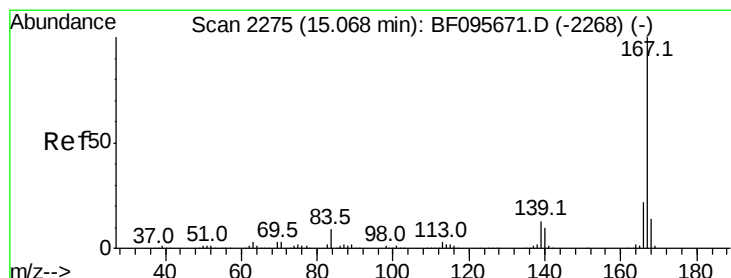
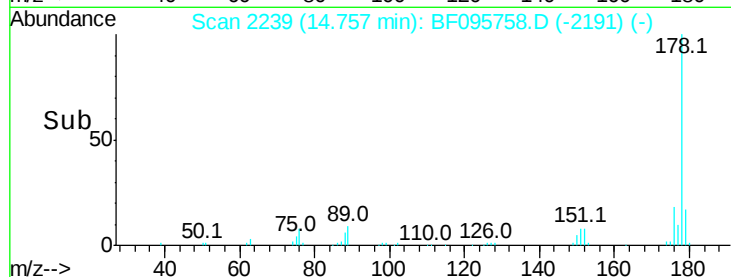
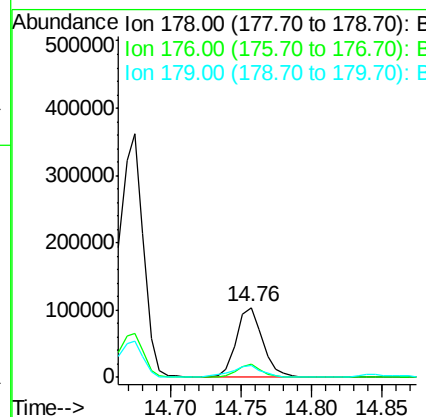
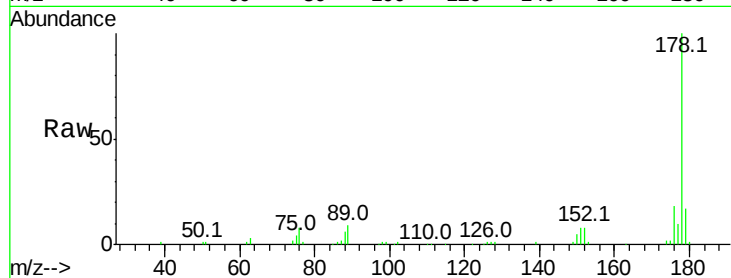
#71
 Anthracene
 Concen: 12.87 ng
 RT: 14.76 min Scan# 2239
 Delta R.T. -0.02 min
 Lab File: BF095758.D
 Acq: 7 Jun 2017 21:39

Instrument :
 BNA_F
 ClientSampleId :
 SB-8(0-2)20170603

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.8	23.8
179	16.7	12.7	19.1

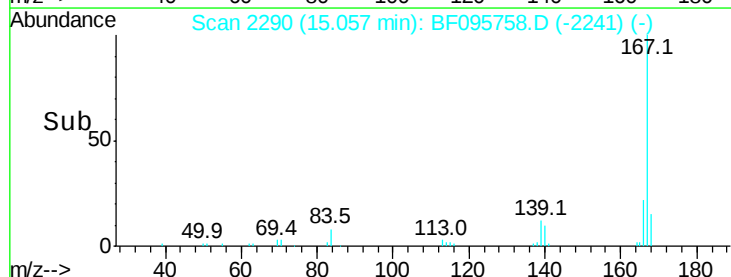
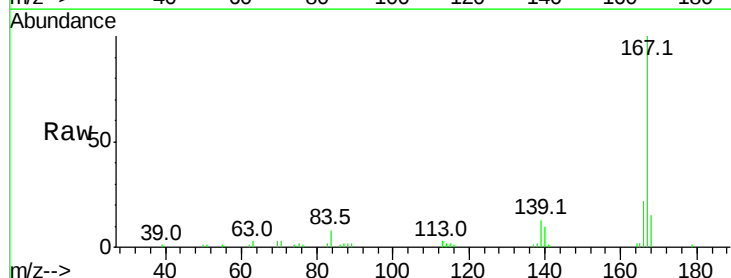
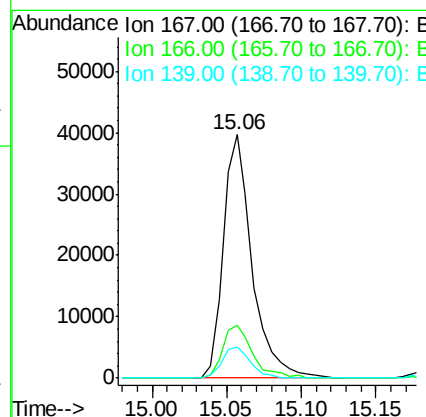
Manual Integrations
 APPROVED

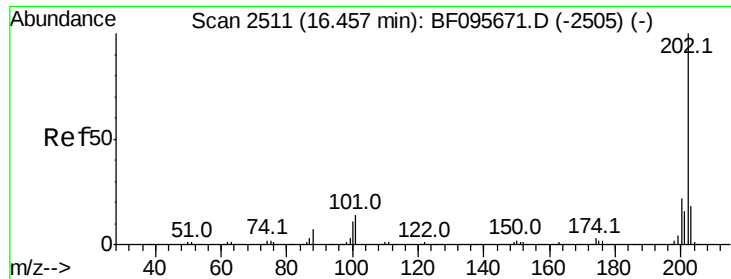
mohammad
 6/8/2017 12:19:08 PM



#72
 Carbazole
 Concen: 5.22 ng
 RT: 15.06 min Scan# 2290
 Delta R.T. -0.01 min
 Lab File: BF095758.D
 Acq: 7 Jun 2017 21:39

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.5	18.1	27.1
139	12.9	11.7	17.5





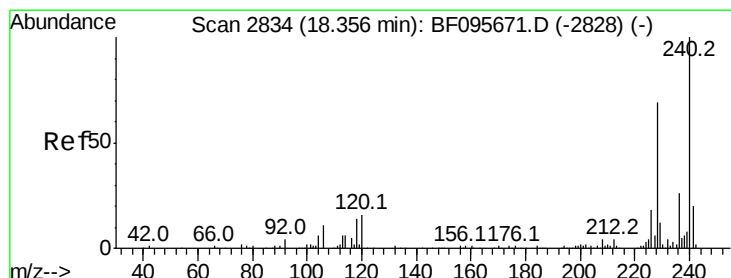
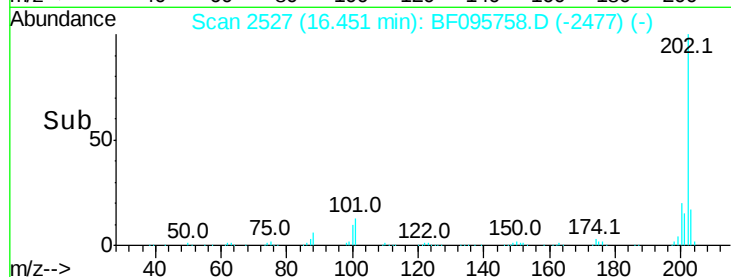
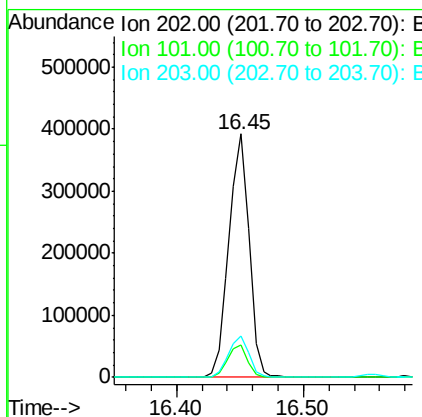
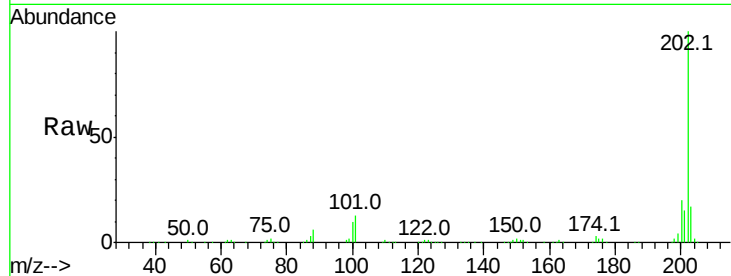
#74
Fluoranthene
 Concen: 43.60 ng
 RT: 16.45 min Scan# 2527
 Delta R.T. -0.01 min
 Lab File: BF095758.D
 Acq: 7 Jun 2017 21:39

Instrument :
 BNA_F
 ClientSampleId :
 SB-8(0-2)20170603

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	13.5	0.0	33.2
203	17.0	0.0	38.1

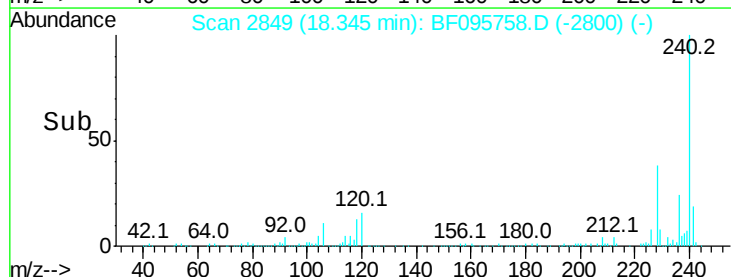
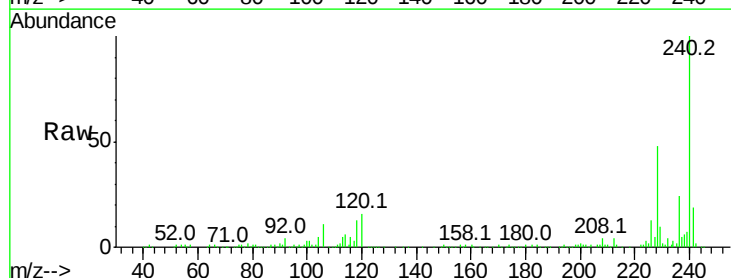
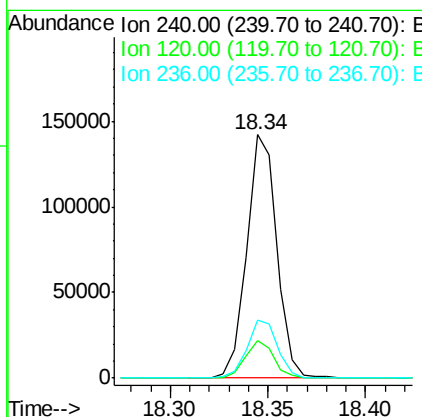
Manual Integrations
 APPROVED

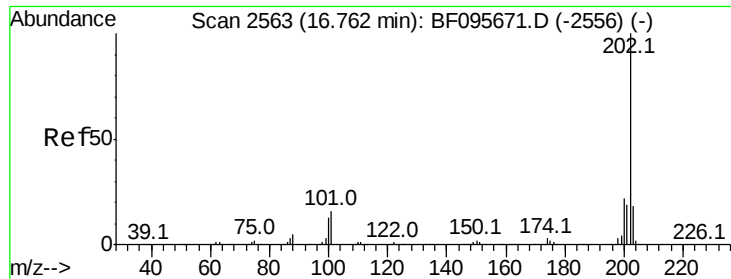
mohammad
 6/8/2017 12:19:08 PM



#75
Chrysene-d12
 Concen: 20.00 ng
 RT: 18.34 min Scan# 2849
 Delta R.T. -0.01 min
 Lab File: BF095758.D
 Acq: 7 Jun 2017 21:39

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	15.6	5.8	8.8#
236	23.7	20.5	30.7





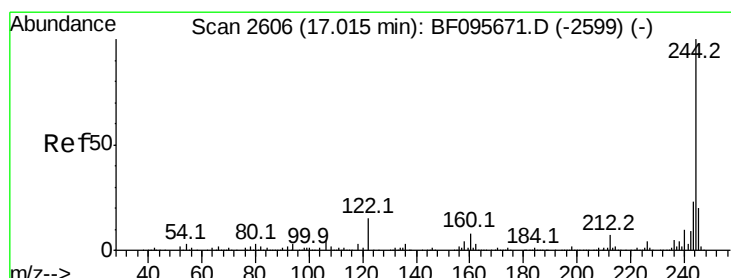
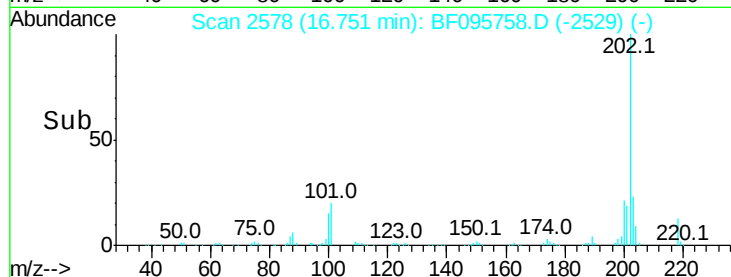
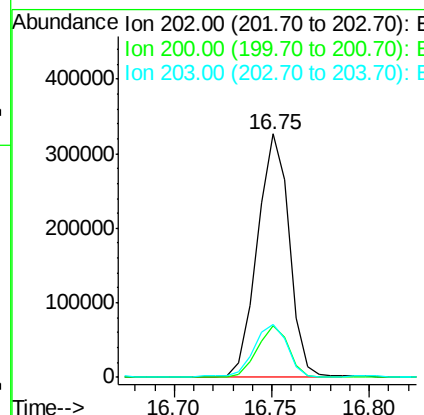
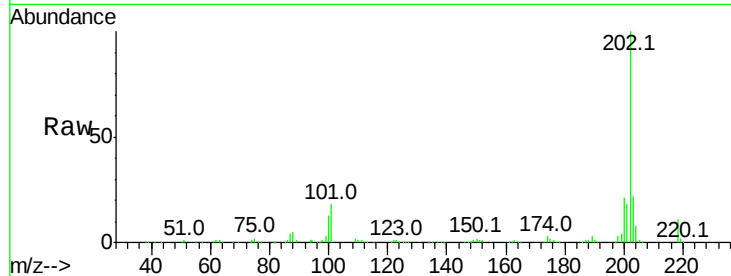
#77
Pvrene
Concen: 32.78 ng
RT: 16.75 min Scan# 2578
Delta R.T. -0.01 min
Lab File: BF095758.D
Acq: 7 Jun 2017 21:39

Instrument :
BNA_F
ClientSampleId :
SB-8(0-2)20170603

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.1	17.6	26.4
203	22.0	14.4	21.6

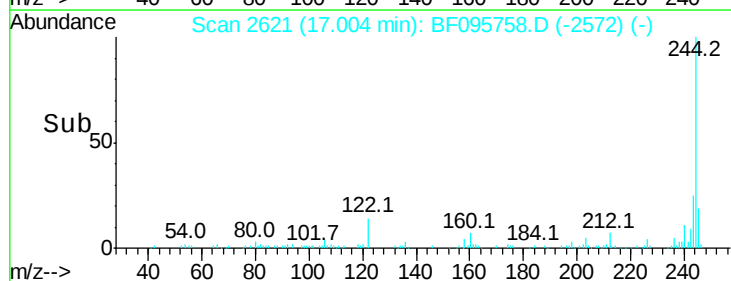
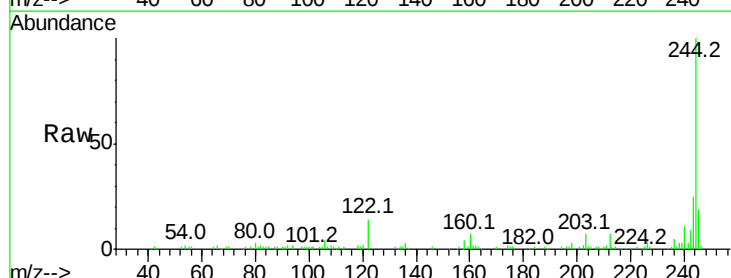
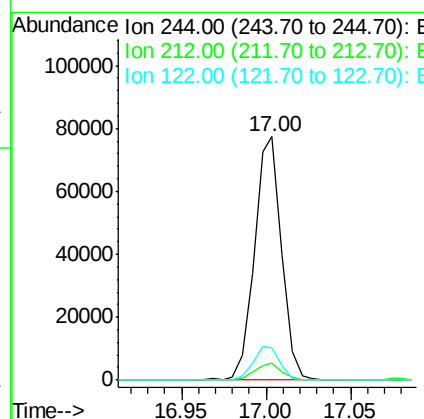
Manual Integrations
APPROVED

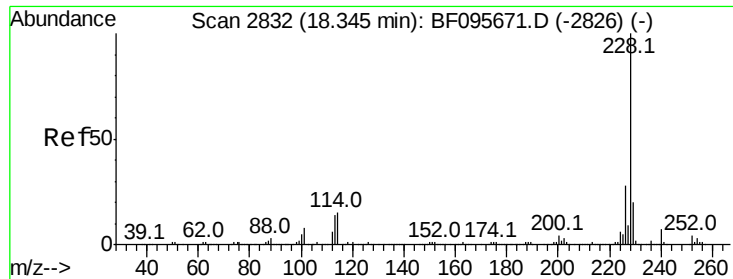
mohammad
6/8/2017 12:19:08 PM



#78
Terphenyl-d14
Concen: 14.14 ng
RT: 17.00 min Scan# 2621
Delta R.T. -0.01 min
Lab File: BF095758.D
Acq: 7 Jun 2017 21:39

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.2	6.0	9.0
122	13.5	10.3	15.5





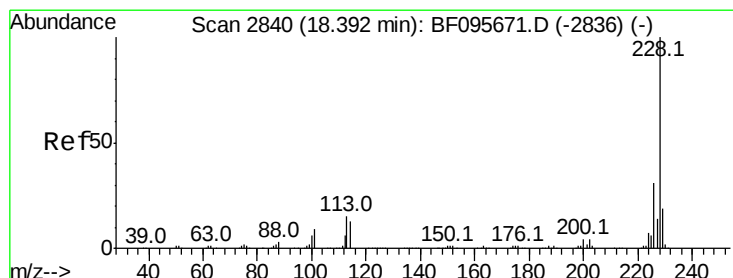
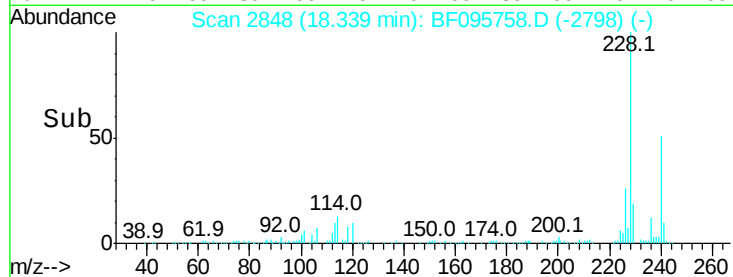
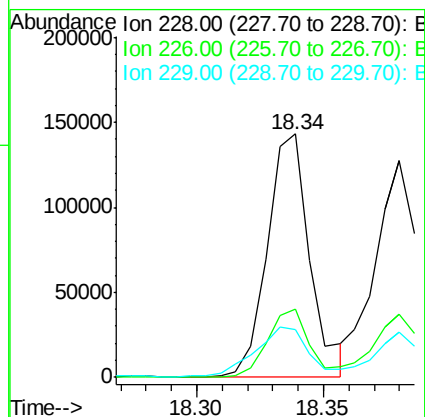
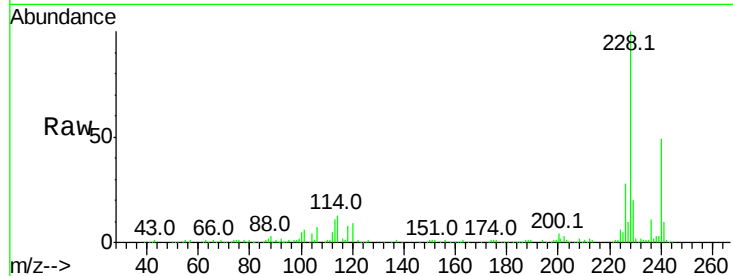
#80
Benzo(a)anthracene
Concen: 19.23 ng
RT: 18.34 min Scan# 2848
Delta R.T. -0.01 min
Lab File: BF095758.D
Acq: 7 Jun 2017 21:39

Instrument :
BNA_F
ClientSampleId :
SB-8(0-2)20170603

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.6	33.8
229	19.6	16.3	24.5

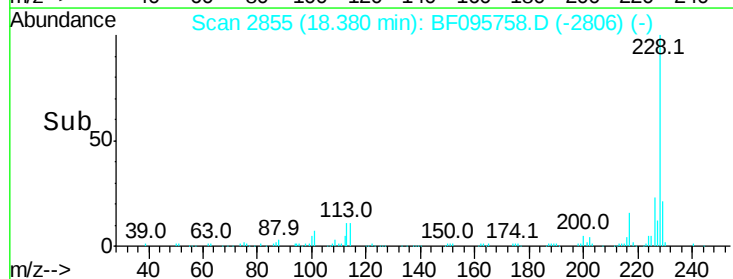
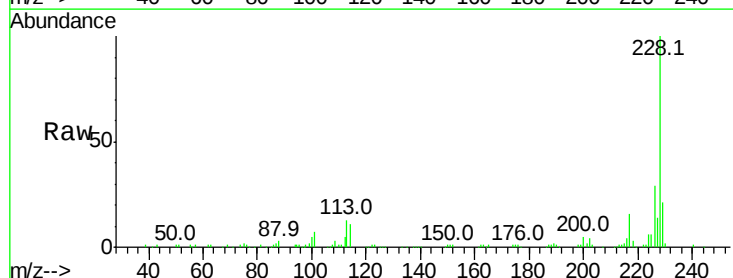
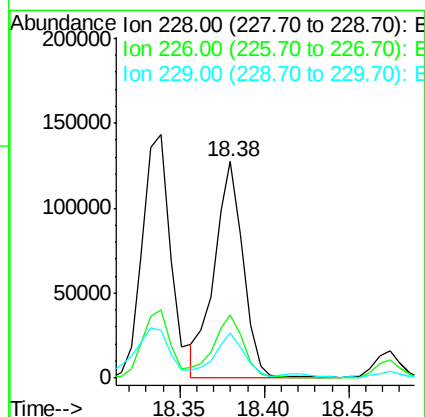
Manual Integrations
APPROVED

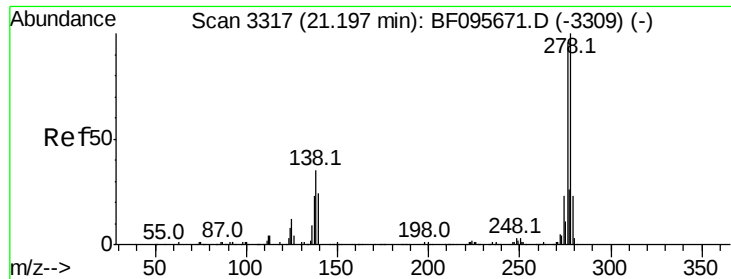
mohammad
6/8/2017 12:19:08 PM



#82
Chrysene
Concen: 17.29 ng
RT: 18.38 min Scan# 2855
Delta R.T. -0.01 min
Lab File: BF095758.D
Acq: 7 Jun 2017 21:39

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.9	24.9	37.3
229	20.8	15.8	23.6





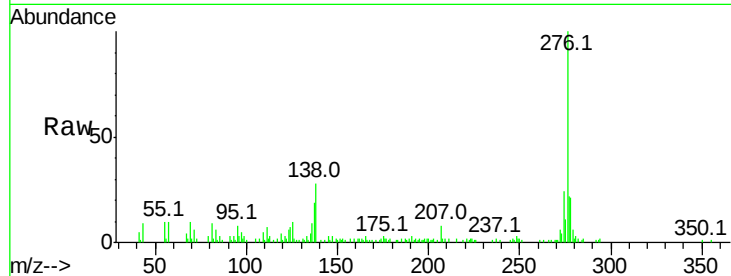
#85
Indeno(1,2,3-cd)pyrene
Concen: 5.95 ng
RT: 21.20 min Scan# 3334
Delta R.T. 0.00 min
Lab File: BF095758.D
Acq: 7 Jun 2017 21:39

Instrument :
BNA_F
ClientSampleId :
SB-8(0-2)20170603

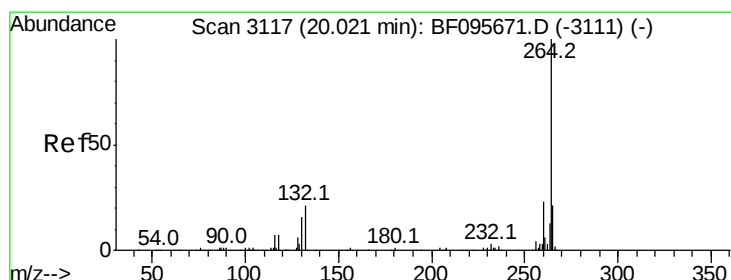
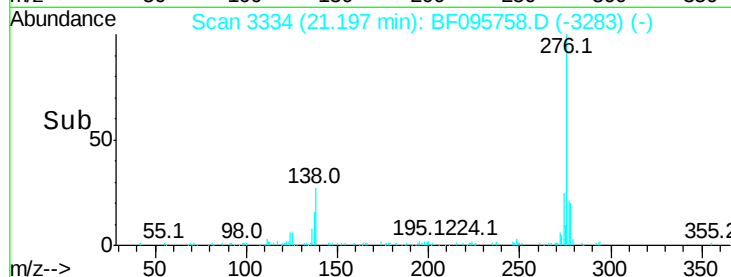
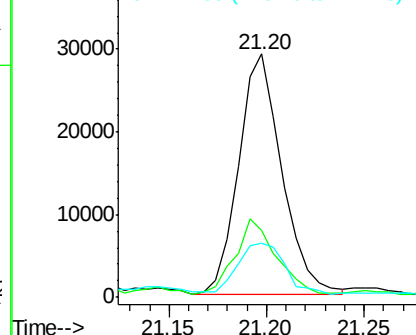
Tot Ion	Ratio	Lower	Upper
276	100		
138	30.6	27.8	41.6
277	22.3	20.2	30.4

Manual Integrations
APPROVED

mohammad
6/8/2017 12:19:08 PM



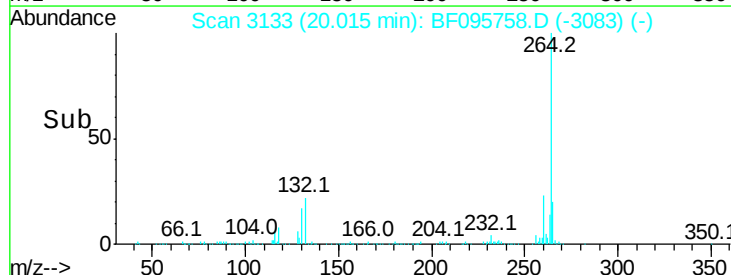
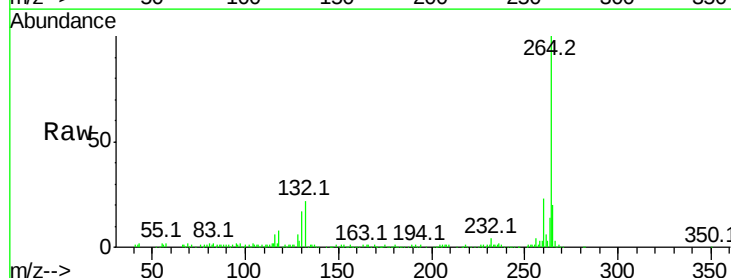
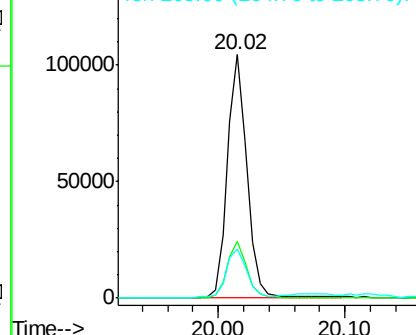
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

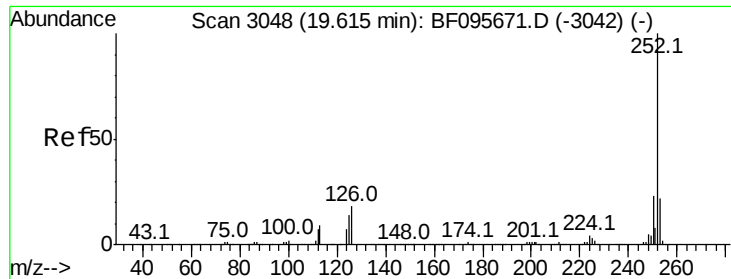


#86
Perylene-d12
Concen: 20.00 ng
RT: 20.02 min Scan# 3133
Delta R.T. -0.01 min
Lab File: BF095758.D
Acq: 7 Jun 2017 21:39

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.5	29.3
265	20.0	17.2	25.8

Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 18.20 ng m

RT: 19.62 min Scan# 3065

Delta R.T. 0.00 min

Lab File: BF095758.D

Acq: 7 Jun 2017 21:39

Instrument :

BNA_F

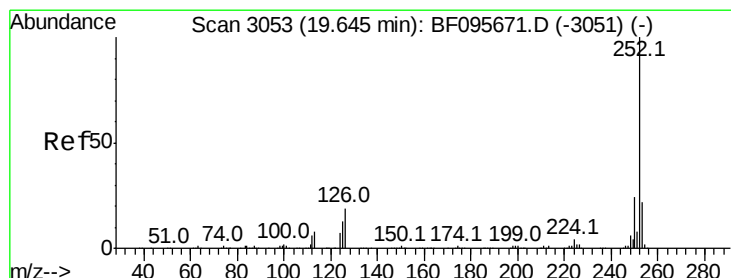
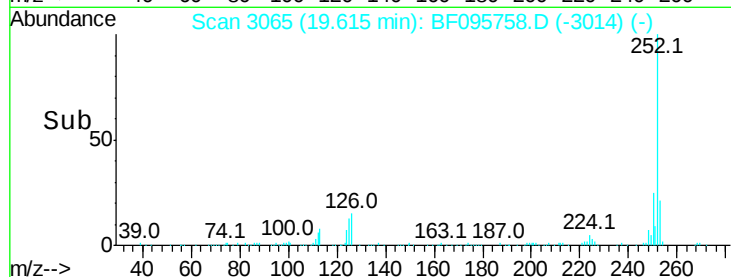
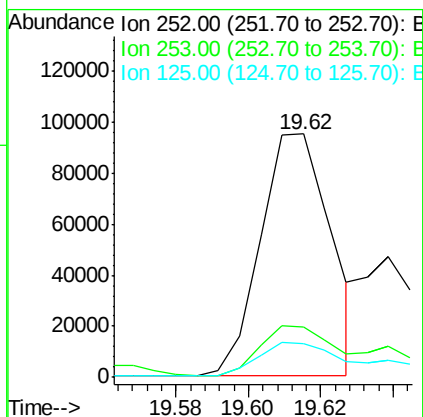
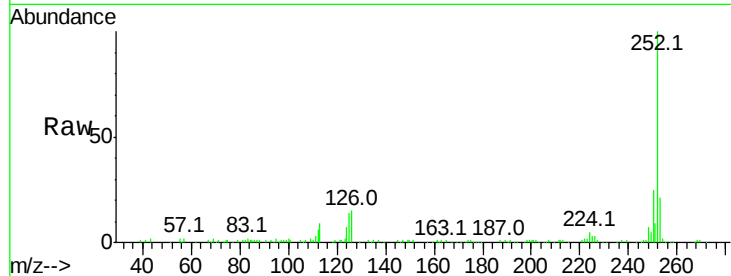
ClientSampleId :

SB-8(0-2)20170603

Tot Ion:	252	Resp:	128217
Ion Ratio	Lower	Upper	
252	100		
253	20.8	18.1	27.1
125	13.8	9.8	14.8

Manual Integrations
APPROVED

mohammad
6/8/2017 12:19:08 PM



#88

Benzo(k)fluoranthene

Concen: 7.34 ng m

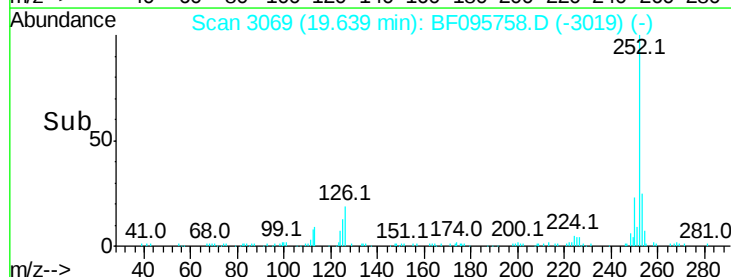
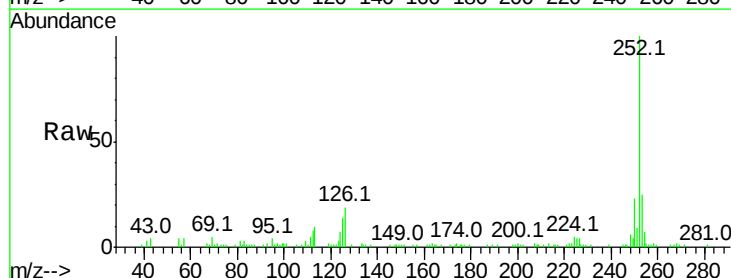
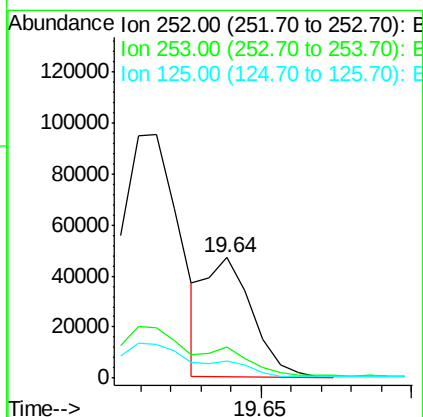
RT: 19.64 min Scan# 3069

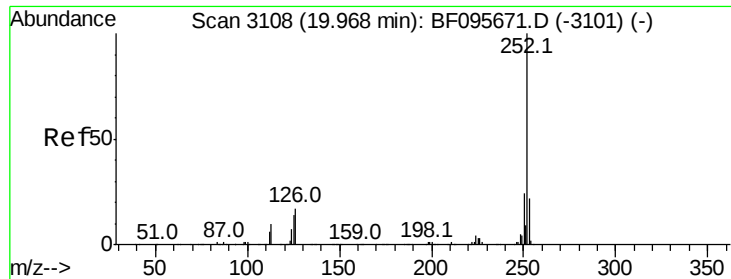
Delta R.T. -0.01 min

Lab File: BF095758.D

Acq: 7 Jun 2017 21:39

Tgt Ion:	252	Resp:	49446
Ion Ratio	Lower	Upper	
252	100		
253	25.4	18.4	27.6
125	14.1	13.1	19.7





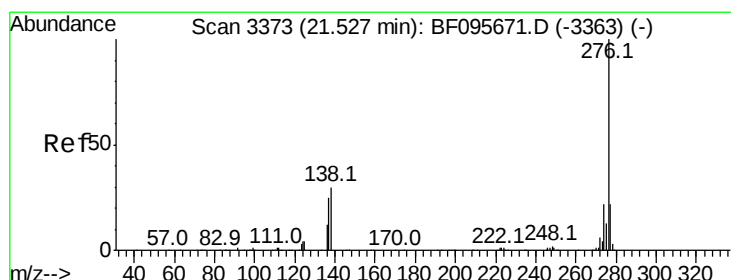
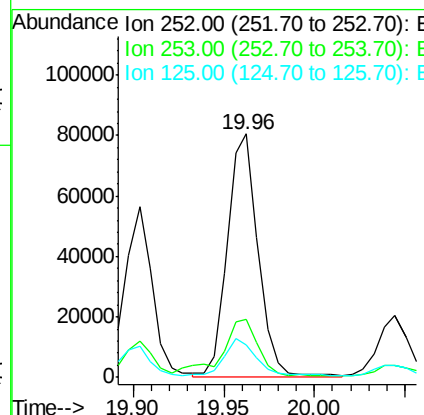
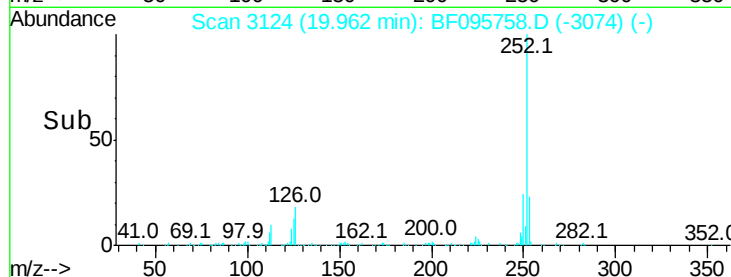
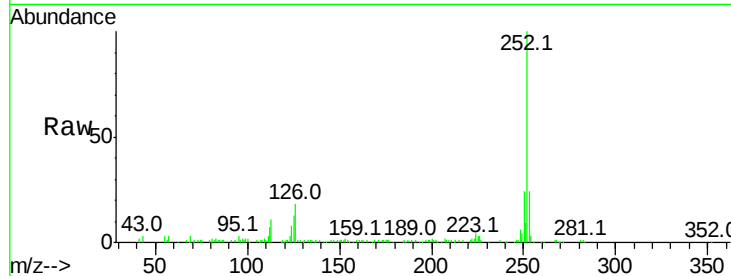
#89
Benzo(a)pyrene
Concen: 14.75 ng
RT: 19.96 min Scan# 3124
Delta R.T. -0.01 min
Lab File: BF095758.D
Acq: 7 Jun 2017 21:39

Instrument :
BNA_F
ClientSampleId :
SB-8(0-2)20170603

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.5	26.3
125	13.5	11.0	16.4

Manual Integrations
APPROVED

mohammad
6/8/2017 12:19:08 PM



#91
Benzo(g,h,i)perylene
Concen: 7.15 ng
RT: 21.53 min Scan# 3391
Delta R.T. 0.01 min
Lab File: BF095758.D
Acq: 7 Jun 2017 21:39

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.8	18.6	28.0
138	29.3	25.4	38.0

