

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061017\
 Data File : BF095869.D
 Acq On : 11 Jun 2017 4:13
 Operator : SJ/MA
 Sample : I3591-04
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E1-R9-BASE

Manual Integrations
 APPROVED

mohammad
 6/12/2017 1:28:48 PM

Quant Time: Jun 12 07:09:31 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	7.37	152	55523	20.00	ng	-0.03
21) Naphthalene-d8	9.40	136	222297	20.00	ng	-0.04
38) Acenaphthene-d10	12.22	164	90515	20.00	ng	-0.04
63) Phenanthrene-d10	14.62	188	138118	20.00	ng	-0.03
75) Chrysene-d12	18.33	240	124027	20.00	ng	-0.02
86) Perylene-d12	20.01	264	87827	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	414405	118.93	ng	-0.02
7) Phenol-d6	6.93	99	499542	119.75	ng	-0.03
23) Nitrobenzene-d5	8.28	82	276128	77.14	ng	-0.04
41) 2,4,6-Tribromophenol	13.52	330	71248	88.97	ng	-0.03
44) 2-Fluorobiphenyl	11.18	172	358069	55.05	ng	-0.04
78) Terphenyl-d14	16.99	244	232346	46.49	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	9.43	128	28056	2.51	ng	96
49) Dimethylphthalate	11.87	163	65419	9.52	ng	# 98
51) Acenaphthene	12.27	154	29888	5.19	ng	98
54) Dibenzofuran	12.57	168	40551	5.01	ng	98
70) Phenanthrene	14.66	178	129948	16.31	ng	98
71) Anthracene	14.74	178	46703m	5.61	ng	
72) Carbazole	15.04	167	62865	7.75	ng	98
74) Fluoranthene	16.44	202	108333	13.73	ng	96
77) Pyrene	16.74	202	94846	10.25	ng	96
80) Benzo(a)anthracene	18.32	228	24735	3.43	ng	97
82) Chrysene	18.37	228	24355	3.38	ng	98
87) Benzo(b)fluoranthene	19.61	252	19844m	3.61	ng	
89) Benzo(a)pyrene	19.96	252	12488	2.47	ng	# 93

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

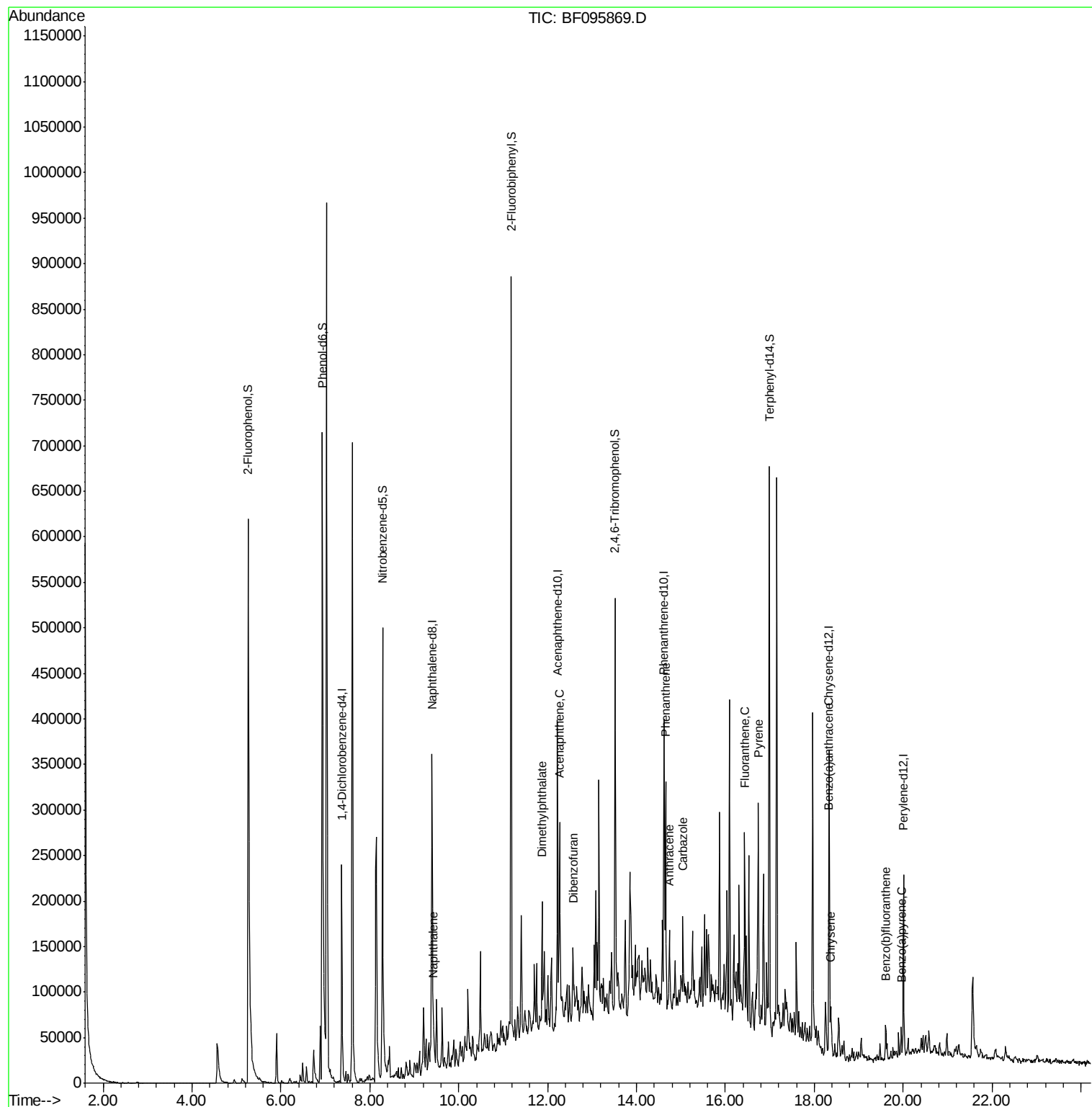
Data Path : Z:\HPCHEM1\BNA F\DATA\BF061017\
Data File : BF095869.D
Acq On : 11 Jun 2017 4:13
Operator : SJ/MA
Sample : I3591-04
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E1-R9-BASE

Manual Integrations
APPROVED

mohammad
6/12/2017 1:28:48 PM

Quant Time: Jun 12 07:09:31 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





#1

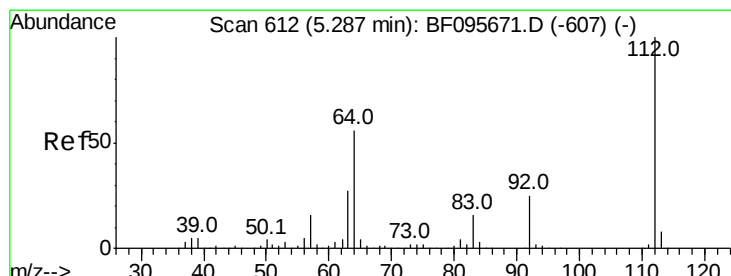
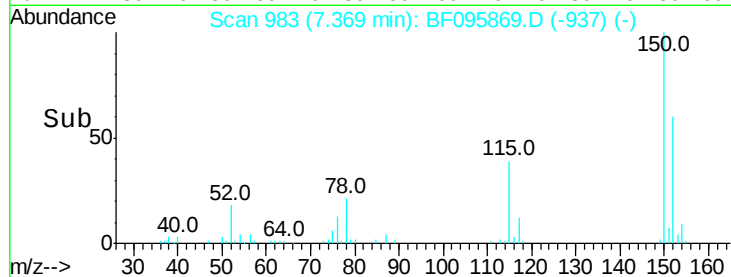
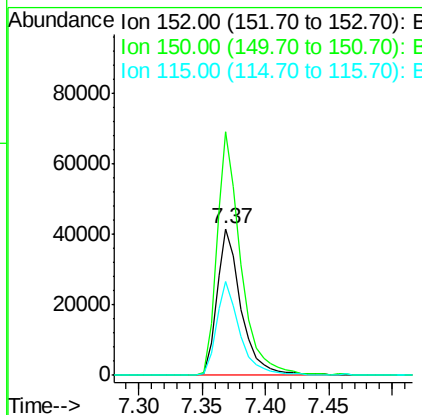
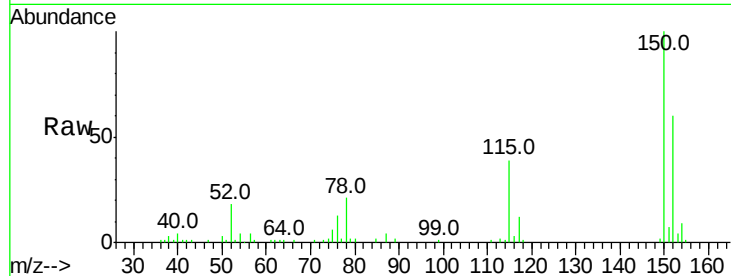
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.37 min Scan# 983
Delta R.T. -0.03 min
Lab File: BF095869.D
Acq: 11 Jun 2017 4:13

Instrument :
BNA_F
ClientSampleId :
E1-R9-BASE

Tot Ion	Ratio	Lower	Upper
152	100		
150	165.7	126.2	189.2
115	63.9	52.2	78.2

Manual Integrations
APPROVED

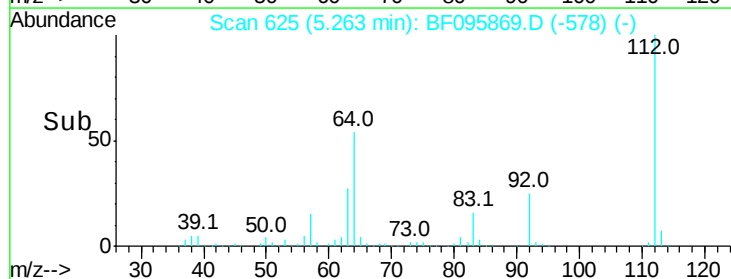
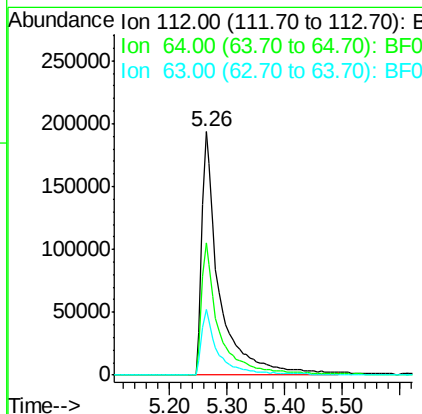
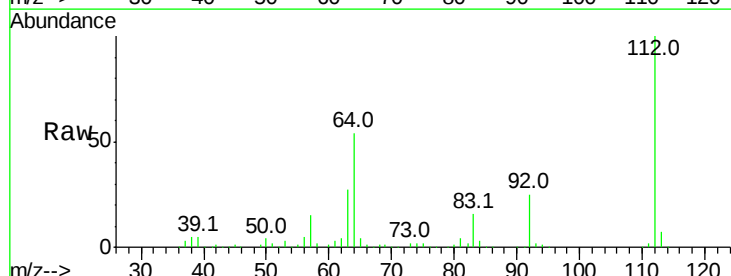
mohammad
6/12/2017 1:28:48 PM

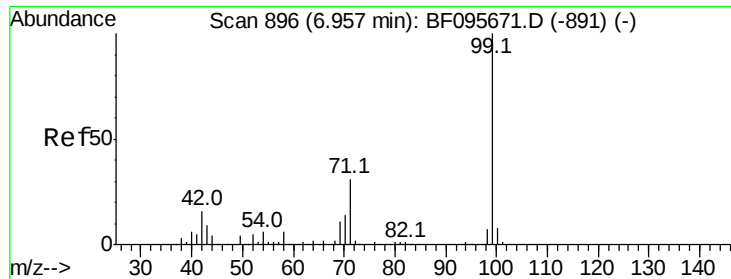


#5

2-Fluorophenol
Concen: 118.93 ng
RT: 5.26 min Scan# 625
Delta R.T. -0.02 min
Lab File: BF095869.D
Acq: 11 Jun 2017 4:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.3	46.0	69.0
63	27.2	23.4	35.0





#7

Phenol-d6

Concen: 119.75 ng

RT: 6.93 min Scan# 908

Delta R.T. -0.03 min

Lab File: BF095869.D

Acq: 11 Jun 2017 4:13

Instrument :

BNA_F

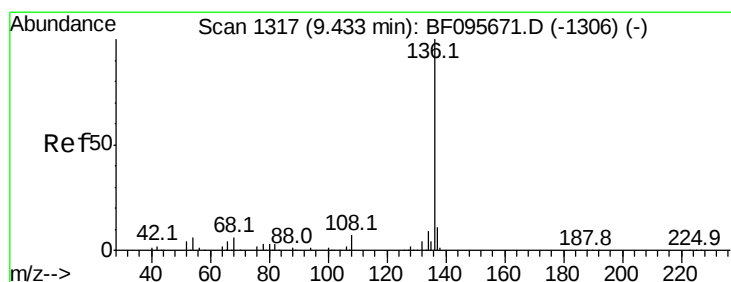
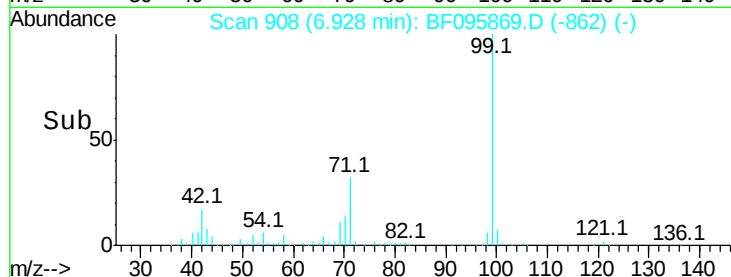
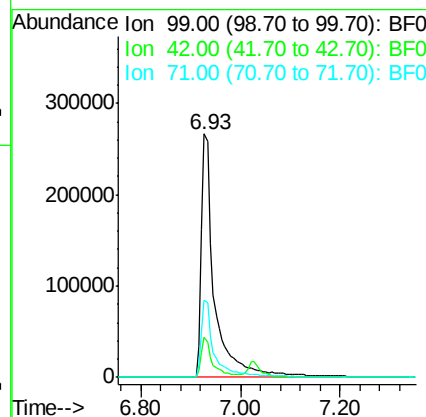
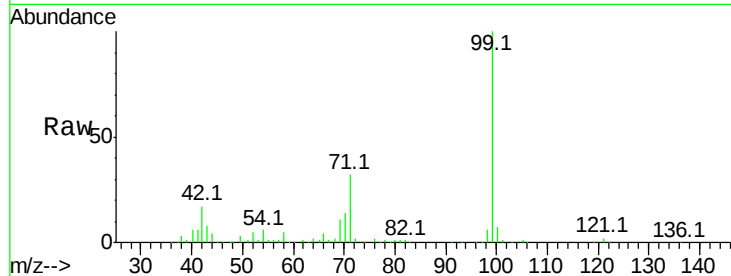
ClientSampleId :

E1-R9-BASE

Tot Ion:	99	Resp:	499542
Ion Ratio	Lower	Upper	
99	100		
42	16.7	13.5	20.3
71	31.7	24.5	36.7

Manual Integrations
APPROVED

mohammad
6/12/2017 1:28:48 PM



#21

Naphthalene-d8

Concen: 20.00 ng

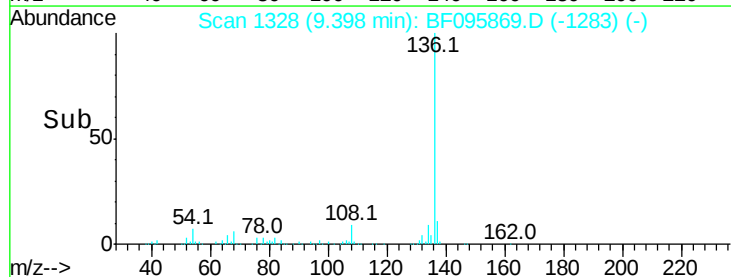
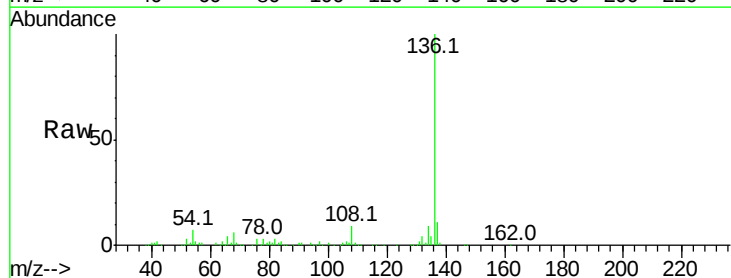
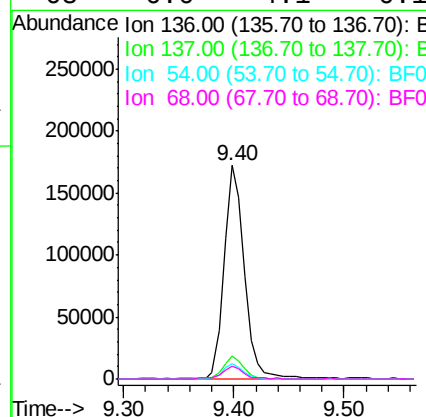
RT: 9.40 min Scan# 1328

Delta R.T. -0.04 min

Lab File: BF095869.D

Acq: 11 Jun 2017 4:13

Tgt Ion:	136	Resp:	222297
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.5	12.7
54	7.0	4.9	7.3
68	6.0	4.1	6.1





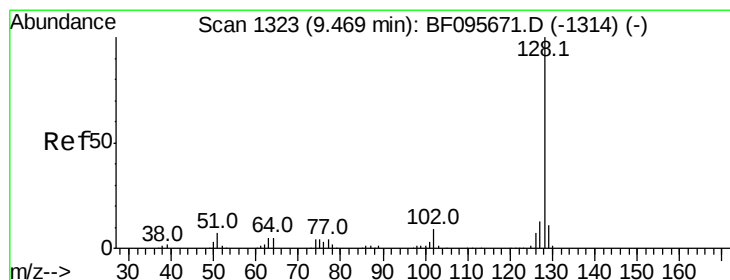
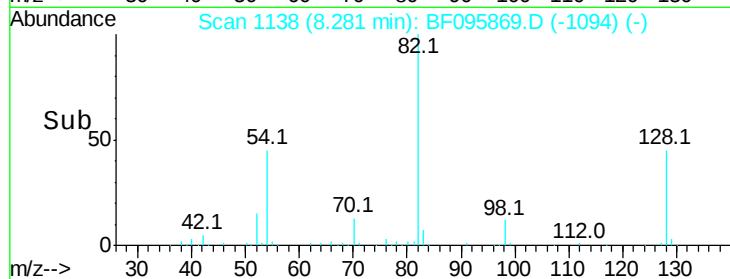
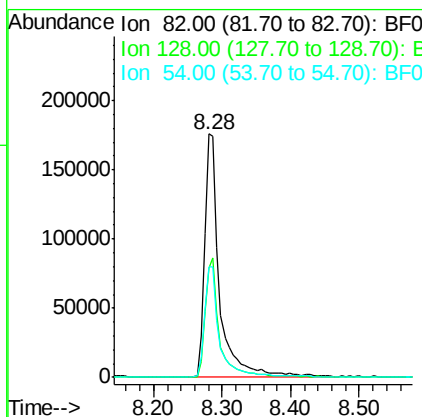
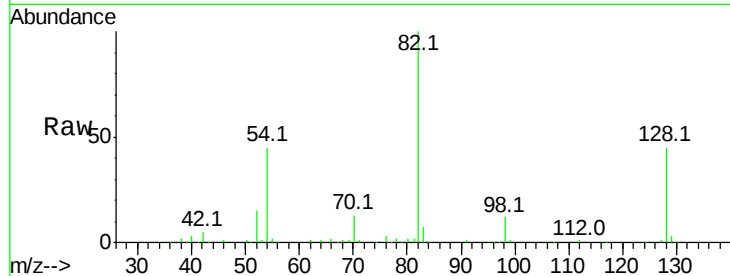
#23
Nitrobenzene-d5
Concen: 77.14 ng
RT: 8.28 min Scan# 1138
Delta R.T. -0.04 min
Lab File: BF095869.D
Acq: 11 Jun 2017 4:13

Instrument :
BNA_F
ClientSampleId :
E1-R9-BASE

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	44.9	34.0	51.0	
54	45.4	42.2	63.2	

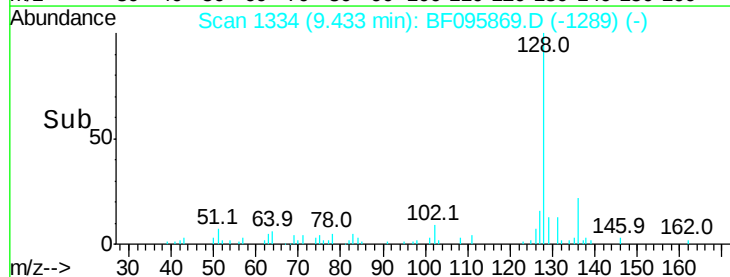
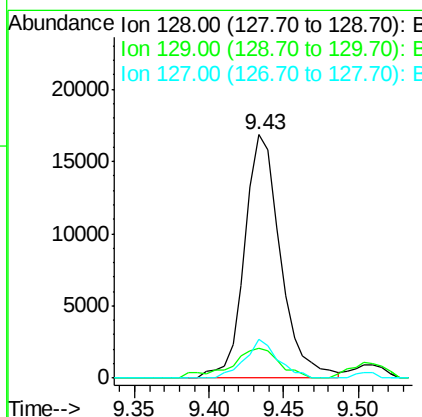
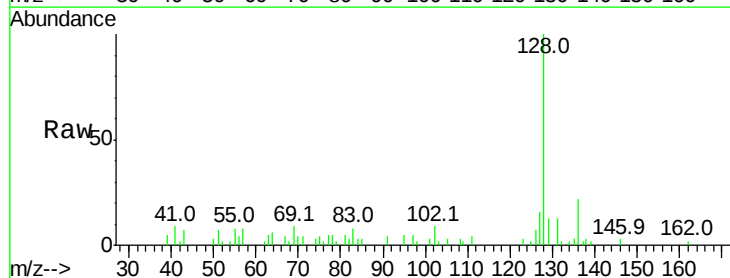
Manual Integrations
APPROVED

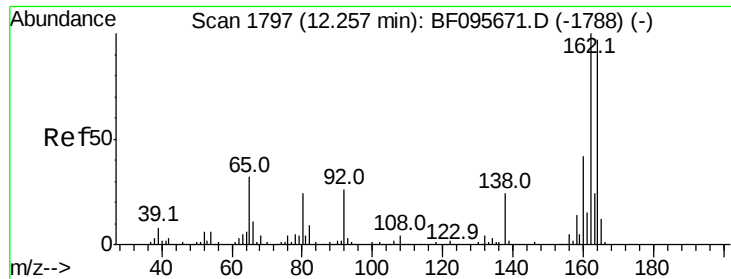
mohammad
6/12/2017 1:28:48 PM



#31
Naphthalene
Concen: 2.51 ng
RT: 9.43 min Scan# 1334
Delta R.T. -0.04 min
Lab File: BF095869.D
Acq: 11 Jun 2017 4:13

Tgt Ion	Ratio	Resp	Lower	Upper
128	100			
129	12.5	9.0	13.6	
127	15.7	10.8	16.2	





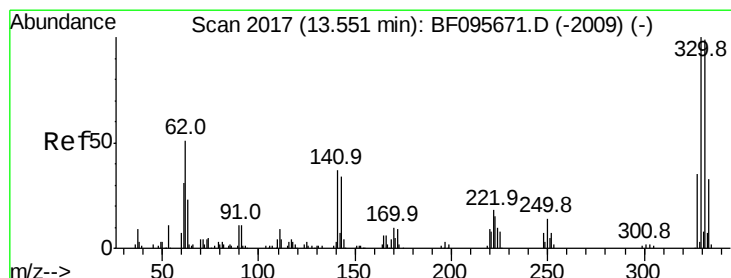
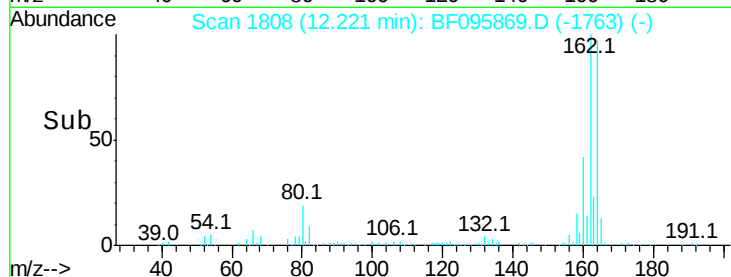
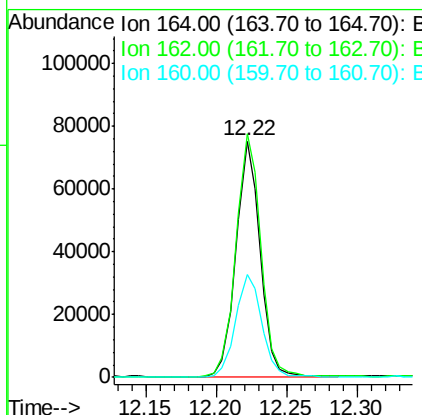
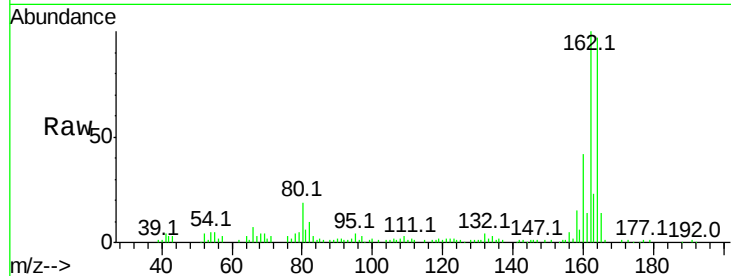
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.22 min Scan# 1808
Delta R.T. -0.04 min
Lab File: BF095869.D
Acq: 11 Jun 2017 4:13

Instrument :
BNA_F
ClientSampleId :
E1-R9-BASE

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.0	82.6	123.8	
160	43.2	36.2	54.2	

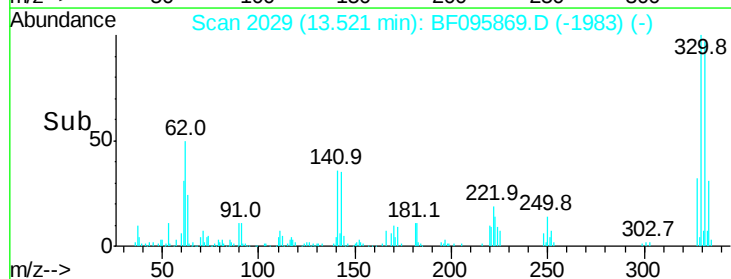
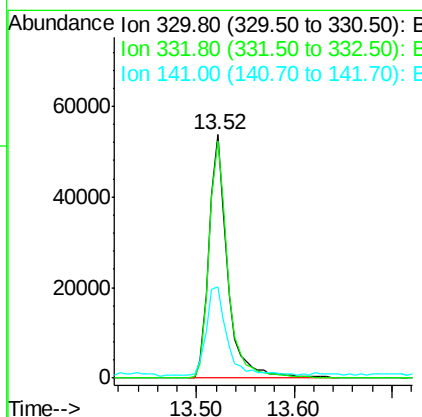
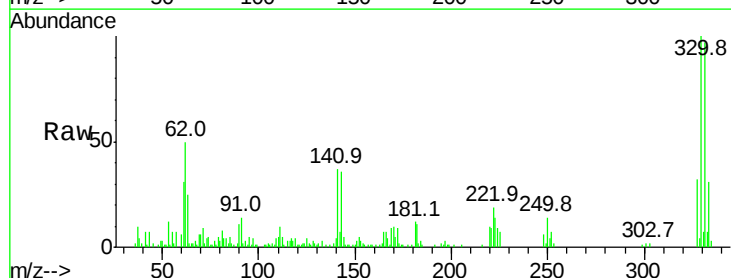
Manual Integrations
APPROVED

mohammad
6/12/2017 1:28:48 PM



#41
2,4,6-Tribromophenol
Concen: 88.97 ng
RT: 13.52 min Scan# 2029
Delta R.T. -0.03 min
Lab File: BF095869.D
Acq: 11 Jun 2017 4:13

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	98.2	76.6	115.0	
141	40.3	31.4	47.2	





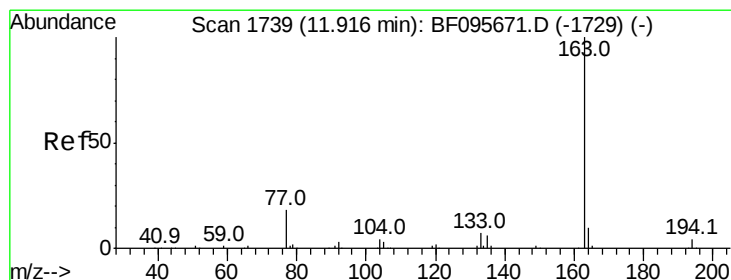
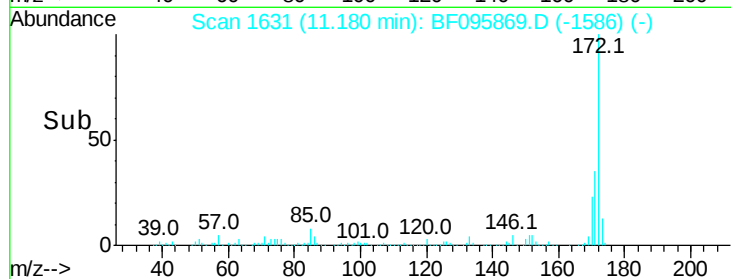
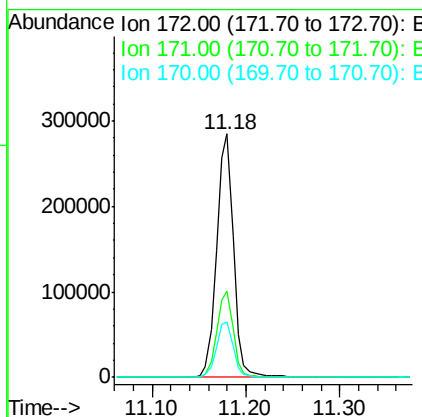
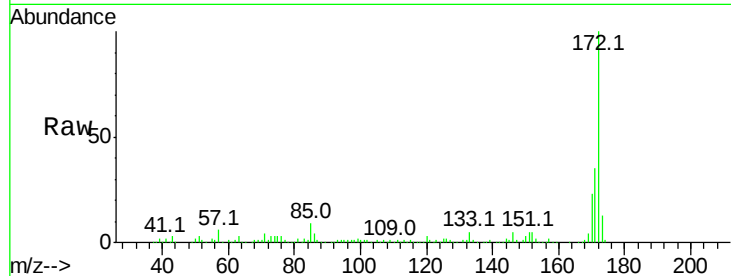
#44
2-Fluorobiphenyl
Concen: 55.05 ng
RT: 11.18 min Scan# 1631
Delta R.T. -0.04 min
Lab File: BF095869.D
Acq: 11 Jun 2017 4:13

Instrument :
BNA_F
ClientSampleId :
E1-R9-BASE

Tot Ion	Ratio	Resp Lower	Upper
172	100		
171	35.4	29.6	44.4
170	23.0	19.8	29.8

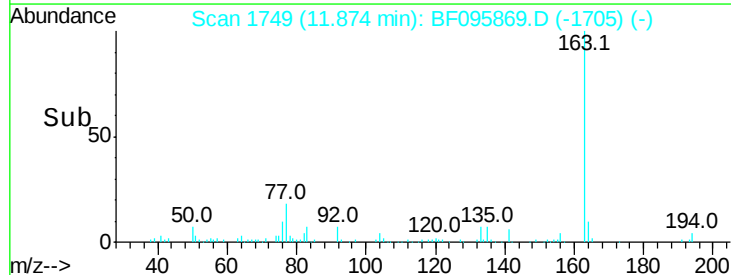
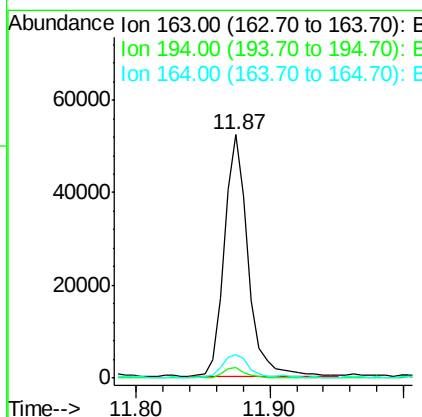
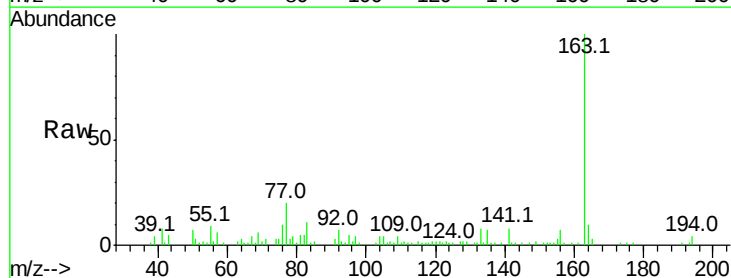
Manual Integrations
APPROVED

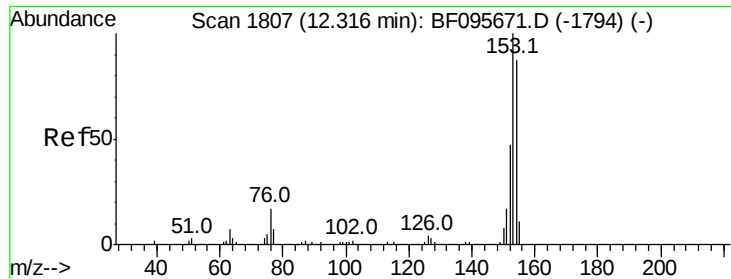
mohammad
6/12/2017 1:28:48 PM



#49
Dimethylphthalate
Concen: 9.52 ng
RT: 11.87 min Scan# 1749
Delta R.T. -0.04 min
Lab File: BF095869.D
Acq: 11 Jun 2017 4:13

Tgt Ion	Ratio	Resp Lower	Upper
163	100		
194	4.3	2.6	4.0#
164	9.8	8.4	12.6





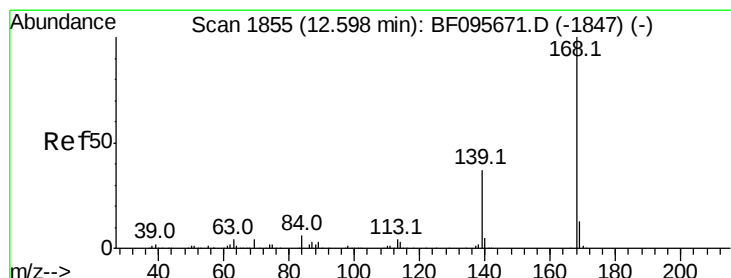
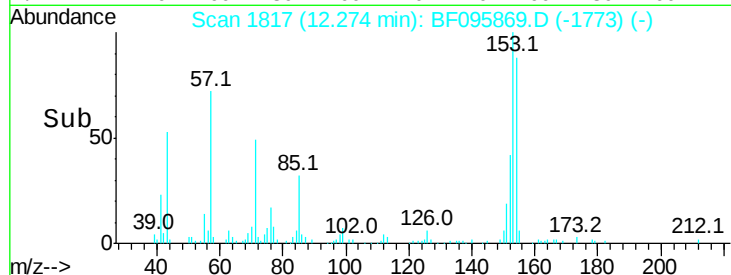
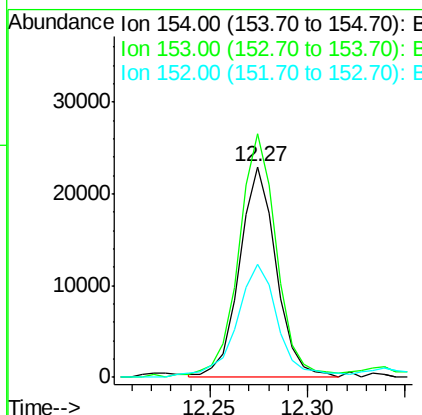
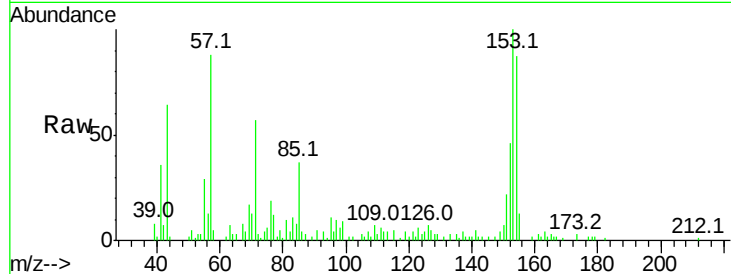
#51
Acenaphthene
Concen: 5.19 ng
RT: 12.27 min Scan# 1817
Delta R.T. -0.04 min
Lab File: BF095869.D
Acq: 11 Jun 2017 4:13

Instrument :
BNA_F
ClientSampleId :
E1-R9-BASE

Tot Ion	Ratio	Lower	Upper
154	100		
153	115.4	90.5	135.7
152	53.3	43.6	65.4

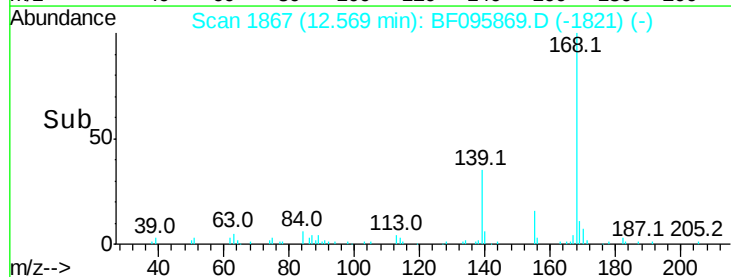
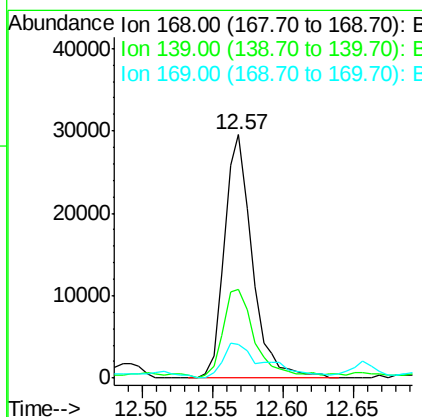
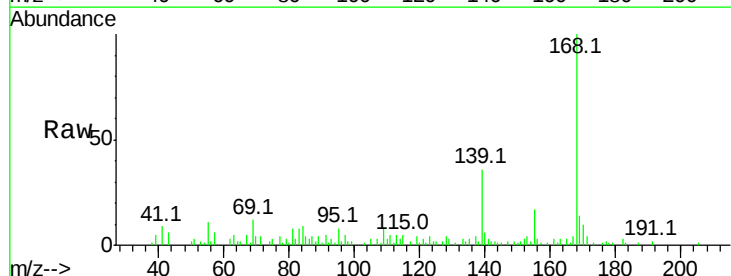
Manual Integrations
APPROVED

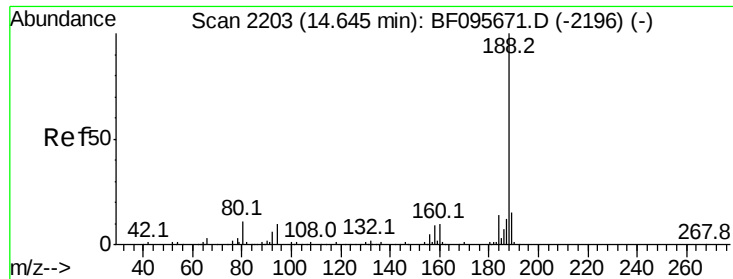
mohammad
6/12/2017 1:28:48 PM



#54
Dibenzofuran
Concen: 5.01 ng
RT: 12.57 min Scan# 1867
Delta R.T. -0.03 min
Lab File: BF095869.D
Acq: 11 Jun 2017 4:13

Tgt Ion	Ratio	Lower	Upper
168	100		
139	36.4	30.6	45.8
169	13.8	10.8	16.2





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 14.62 min Scan# 2215

Delta R.T. -0.03 min

Lab File: BF095869.D

Acq: 11 Jun 2017 4:13

Instrument :

BNA_F

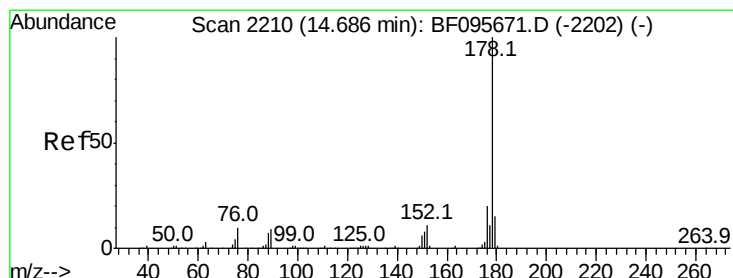
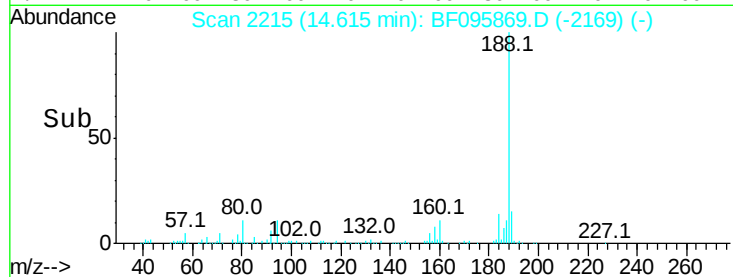
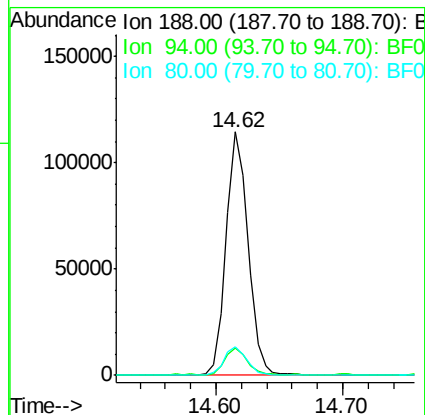
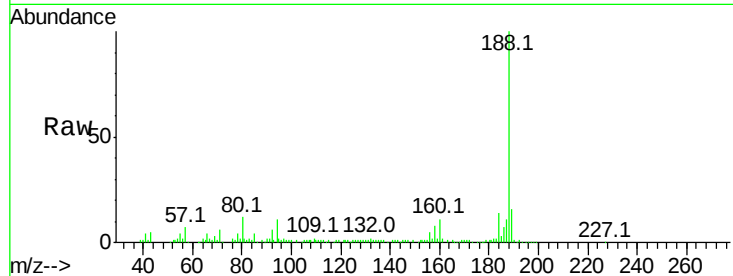
ClientSampleId :

E1-R9-BASE

Tot Ion:	188	Resp:	138118
Ion Ratio	Lower	Upper	
188	100		
94	11.3	9.4	14.2
80	11.5	10.2	15.2

Manual Integrations
APPROVED

mohammad
6/12/2017 1:28:48 PM



#70

Phenanthrene

Concen: 16.31 ng

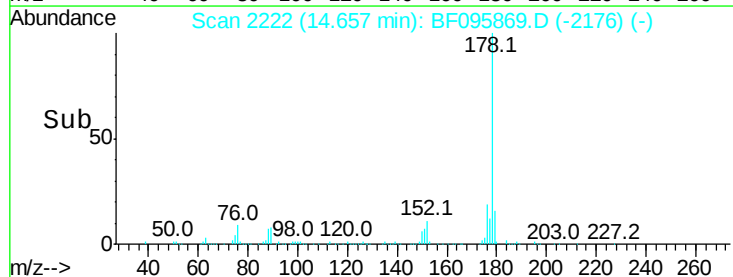
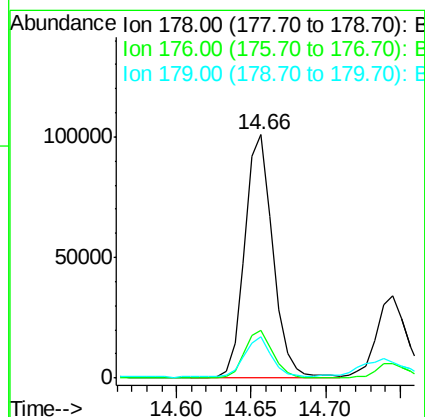
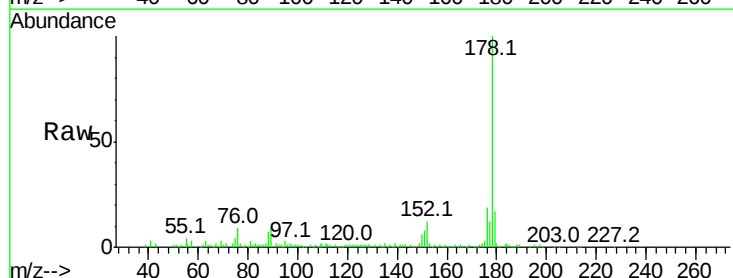
RT: 14.66 min Scan# 2222

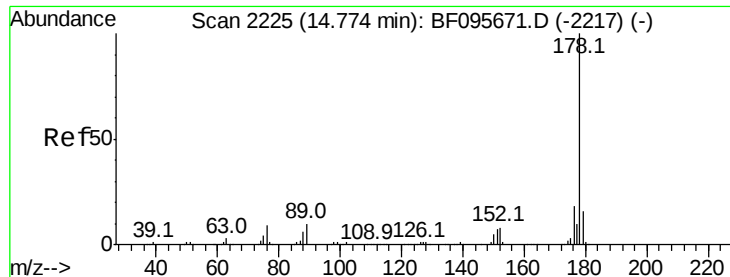
Delta R.T. -0.03 min

Lab File: BF095869.D

Acq: 11 Jun 2017 4:13

Tgt Ion:	178	Resp:	129948
Ion Ratio	Lower	Upper	
178	100		
176	19.4	16.2	24.4
179	16.8	12.6	19.0





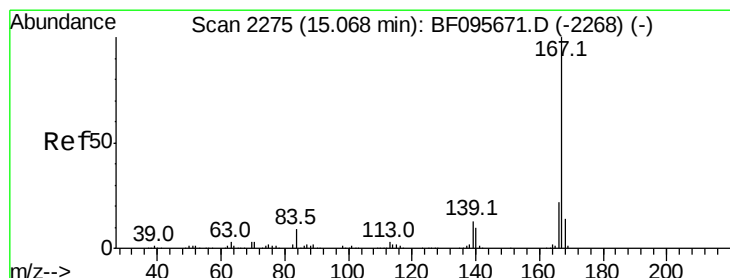
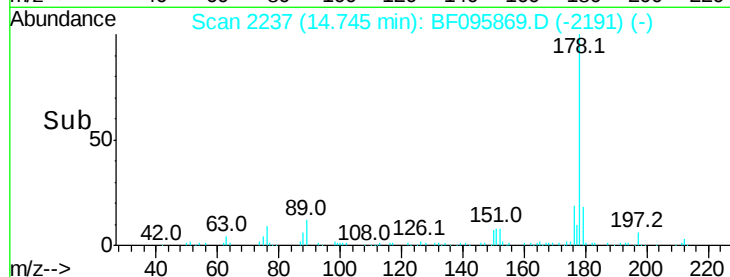
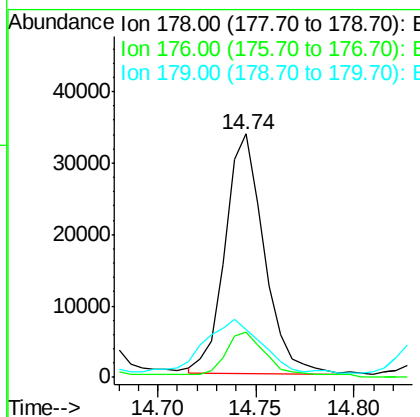
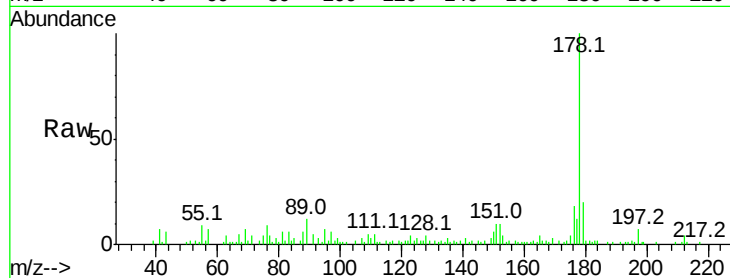
#71
 Anthracene
 Concen: 5.61 ng/mL
 RT: 14.74 min Scan# 2237
 Delta R.T. -0.03 min
 Lab File: BF095869.D
 Acq: 11 Jun 2017 4:13

Instrument :
 BNA_F
 ClientSampleId :
 E1-R9-BASE

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.8	23.8
179	19.5	12.7	19.1

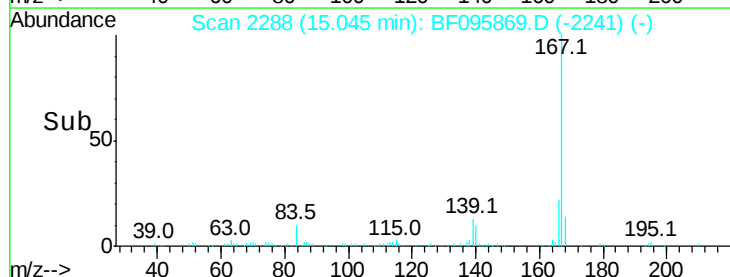
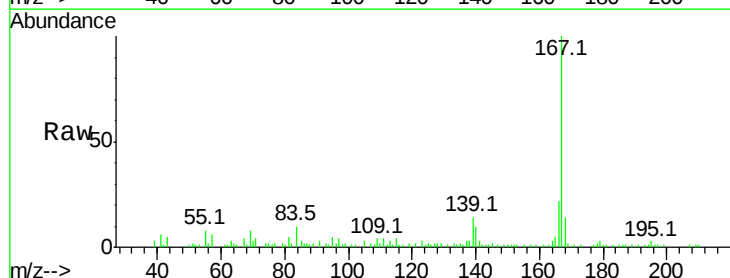
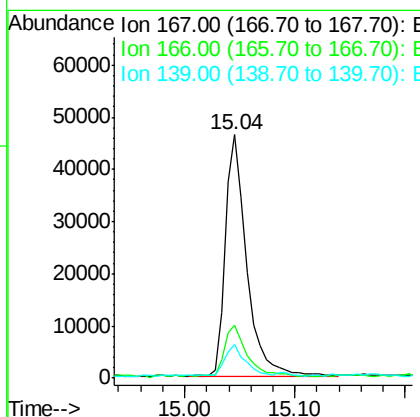
Manual Integrations
 APPROVED

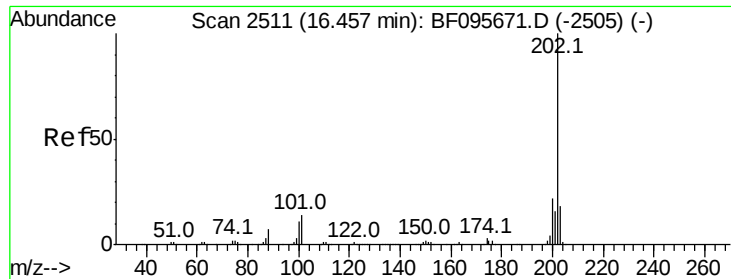
mohammad
 6/12/2017 1:28:48 PM



#72
 Carbazole
 Concen: 7.75 ng/mL
 RT: 15.04 min Scan# 2288
 Delta R.T. -0.02 min
 Lab File: BF095869.D
 Acq: 11 Jun 2017 4:13

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.9	18.1	27.1
139	13.7	11.7	17.5





#74

Fluoranthene

Concen: 13.73 ng

RT: 16.44 min Scan# 2525

Delta R.T. -0.02 min

Lab File: BF095869.D

Acq: 11 Jun 2017 4:13

Instrument :

BNA_F

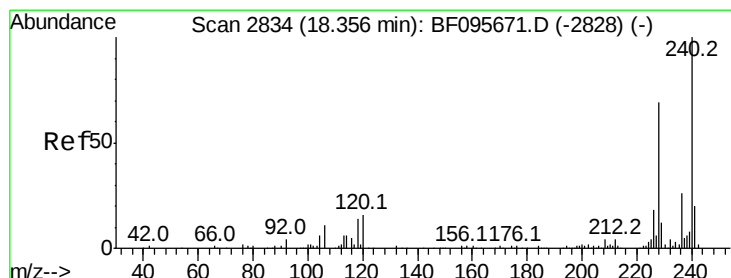
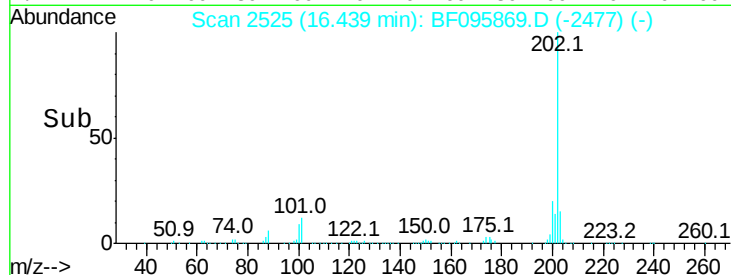
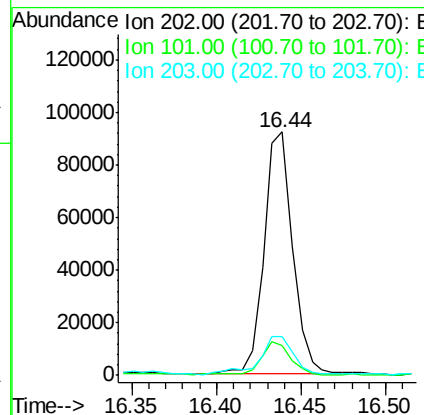
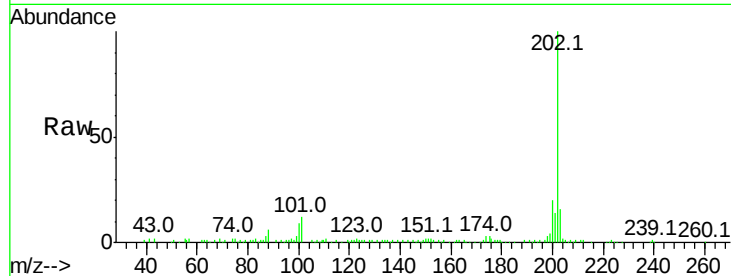
ClientSampleId :

E1-R9-BASE

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	12.2	0.0	33.2		
203	15.8	0.0	38.1		

Manual Integrations
APPROVED

mohammad
6/12/2017 1:28:48 PM



#75

Chrysene-d12

Concen: 20.00 ng

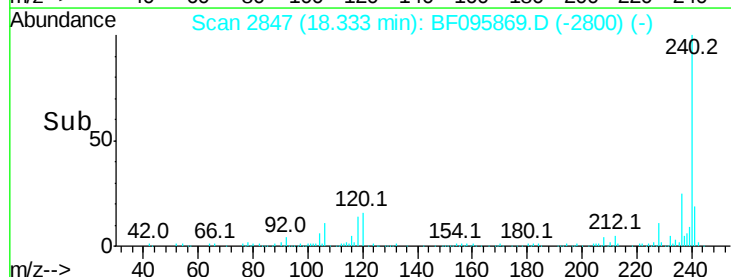
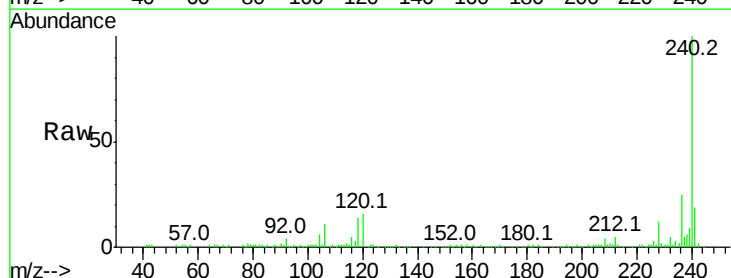
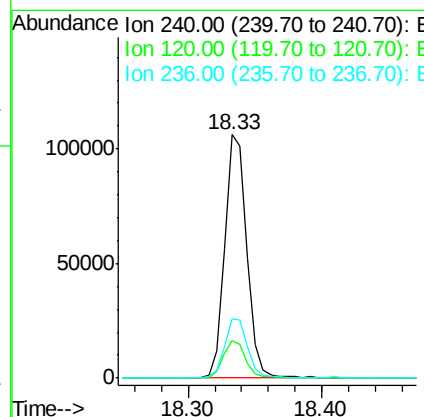
RT: 18.33 min Scan# 2847

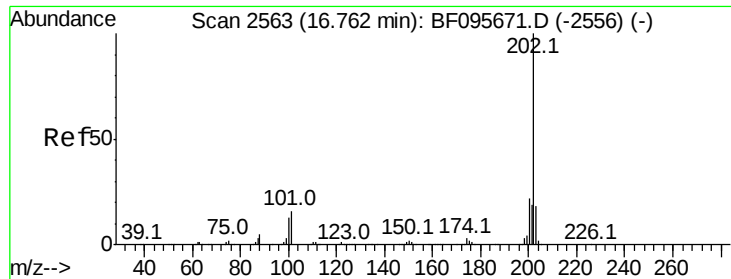
Delta R.T. -0.02 min

Lab File: BF095869.D

Acq: 11 Jun 2017 4:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100				
120	15.6	5.8	8.8#		
236	24.6	20.5	30.7		





#77

Pvrene

Concen: 10.25 ng

RT: 16.74 min Scan# 2576

Delta R.T. -0.02 min

Lab File: BF095869.D

Acq: 11 Jun 2017 4:13

Instrument :

BNA_F

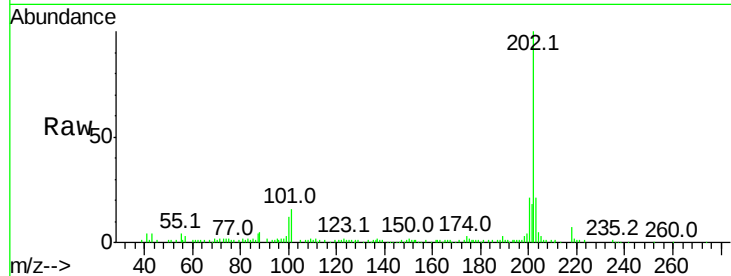
ClientSampleId :

E1-R9-BASE

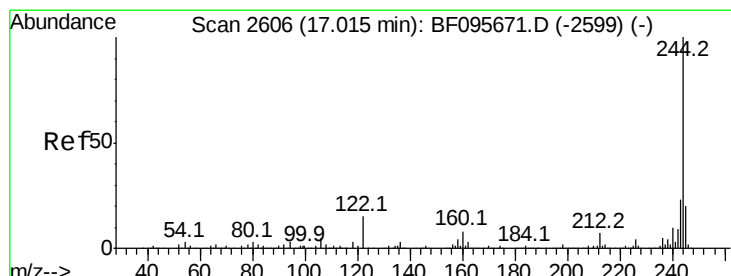
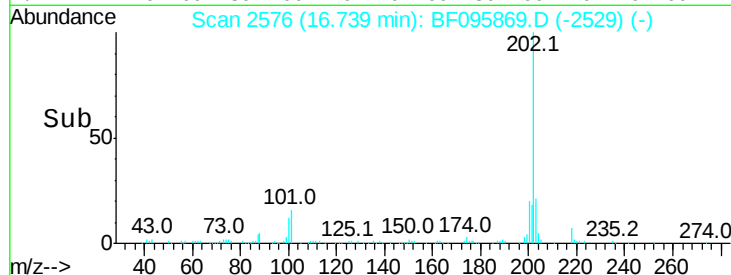
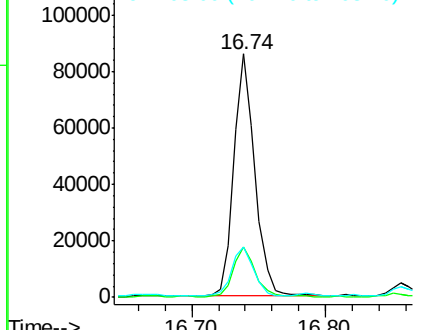
Tot Ion:	202	Resp:	94846
Ion Ratio	Lower	Upper	
202	100		
200	20.6	17.6	26.4
203	20.8	14.4	21.6

Manual Integrations
APPROVED

mohammad
6/12/2017 1:28:48 PM



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 46.49 ng

RT: 16.99 min Scan# 2619

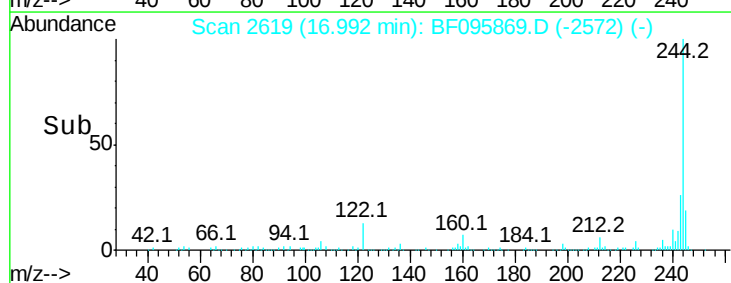
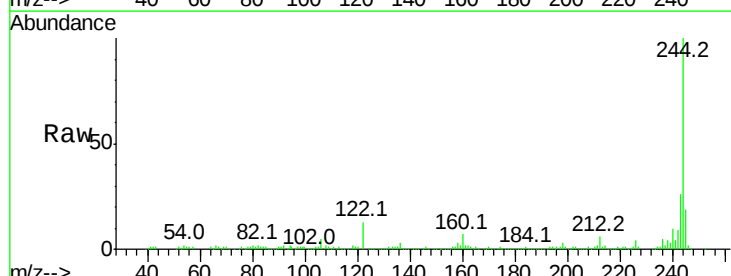
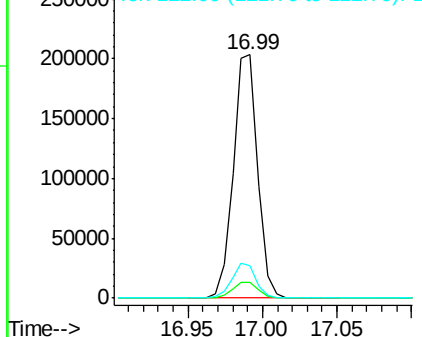
Delta R.T. -0.02 min

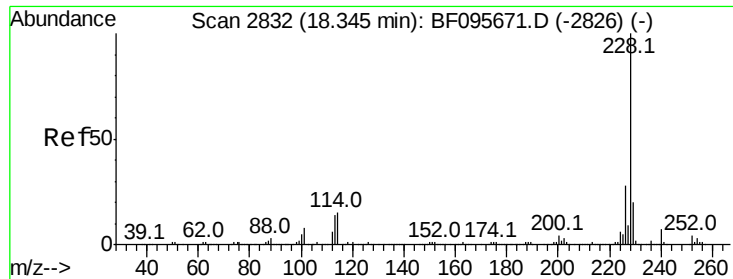
Lab File: BF095869.D

Acq: 11 Jun 2017 4:13

Tgt Ion:	244	Resp:	232346
Ion Ratio	Lower	Upper	
244	100		
212	6.5	6.0	9.0
122	13.1	10.3	15.5

Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





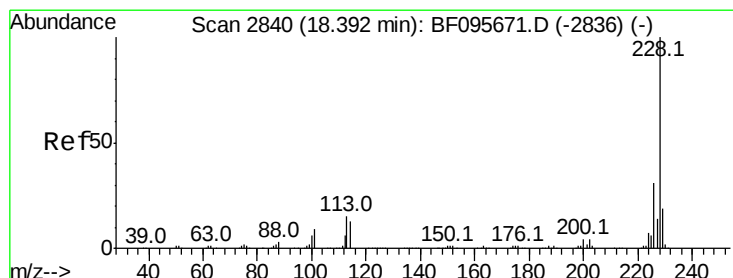
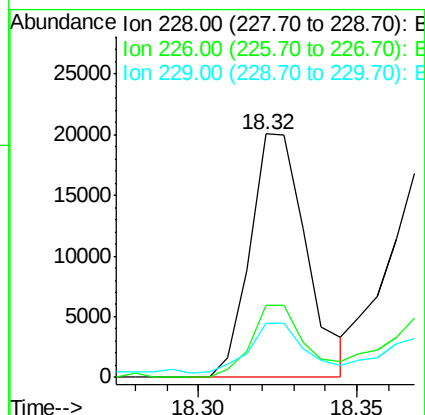
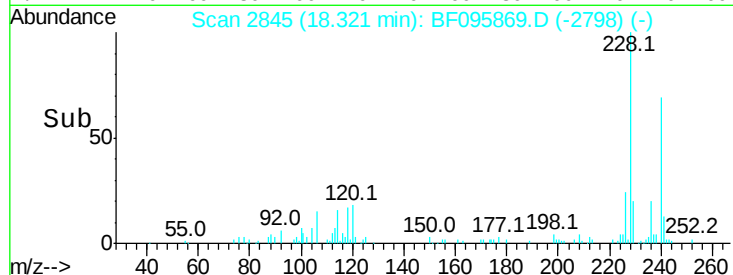
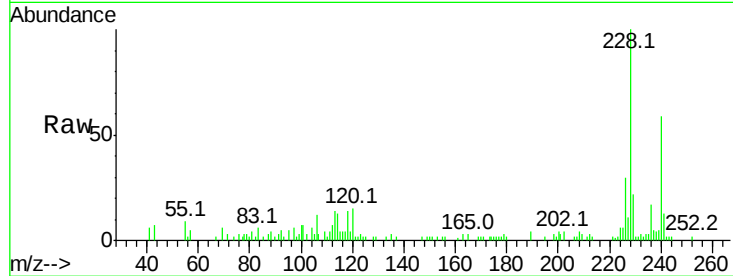
#80
Benzo(a)anthracene
Concen: 3.43 ng
RT: 18.32 min Scan# 2845
Delta R.T. -0.02 min
Lab File: BF095869.D
Acq: 11 Jun 2017 4:13

Instrument :
BNA_F
ClientSampled :
E1-R9-BASE

Tot Ion	Ratio	Resp	Lower	Upper
228	100	24735		
226	29.6		22.6	33.8
229	22.5		16.3	24.5

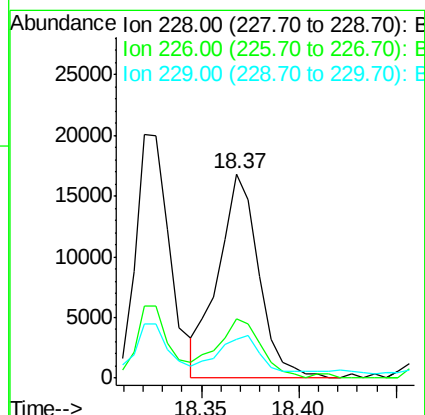
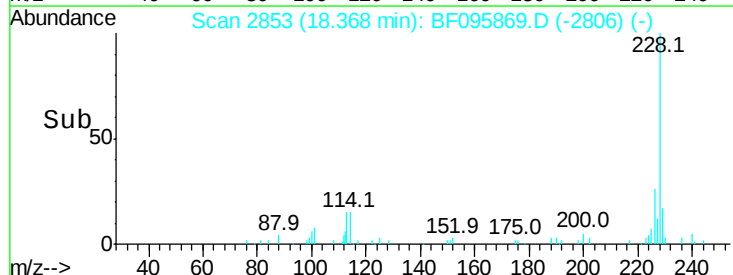
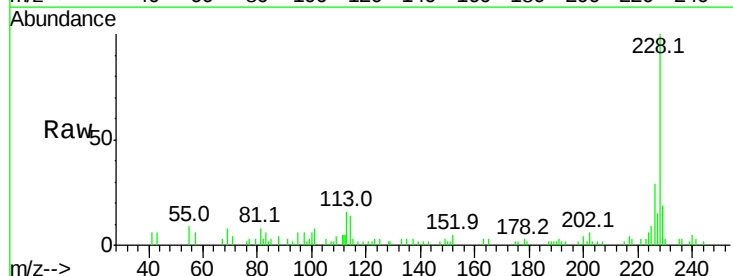
Manual Integrations
APPROVED

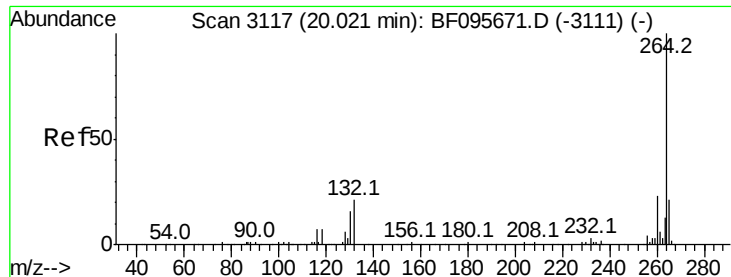
mohammad
6/12/2017 1:28:48 PM



#82
Chrysene
Concen: 3.38 ng
RT: 18.37 min Scan# 2853
Delta R.T. -0.02 min
Lab File: BF095869.D
Acq: 11 Jun 2017 4:13

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	24355		
226	29.2		24.9	37.3
229	19.2		15.8	23.6





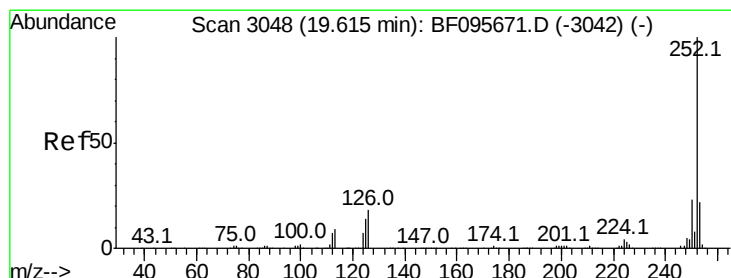
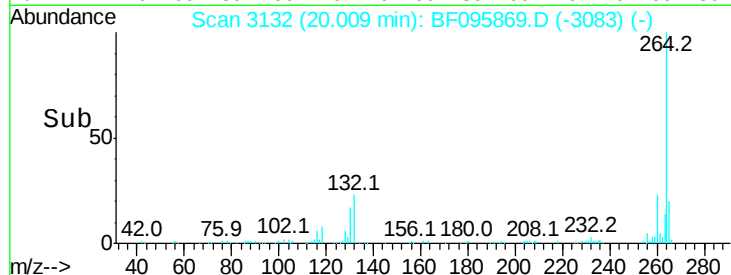
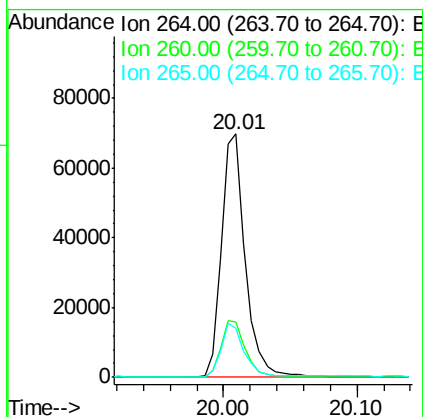
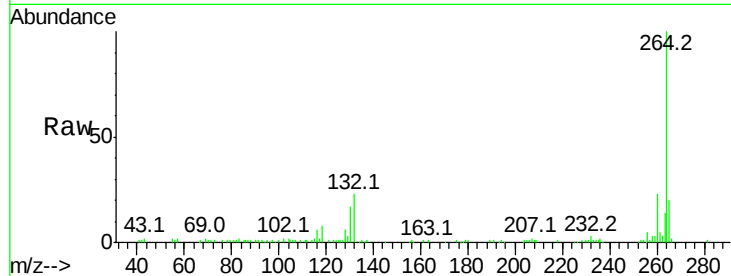
#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.01 min Scan# 3132
Delta R.T. -0.01 min
Lab File: BF095869.D
Acq: 11 Jun 2017 4:13

Instrument :
BNA_F
ClientSampleId :
E1-R9-BASE

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.5	29.3
265	20.2	17.2	25.8

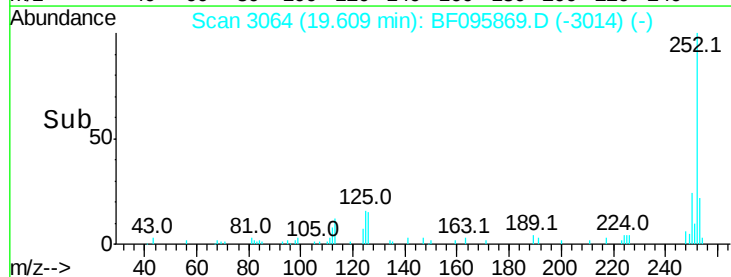
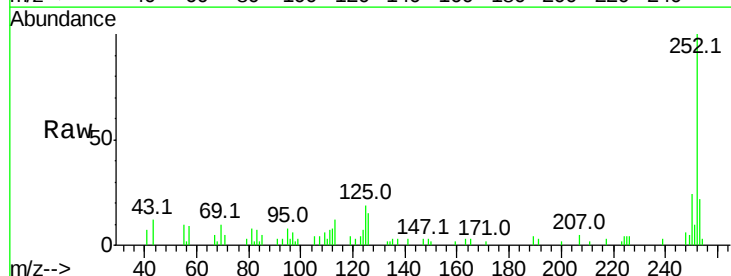
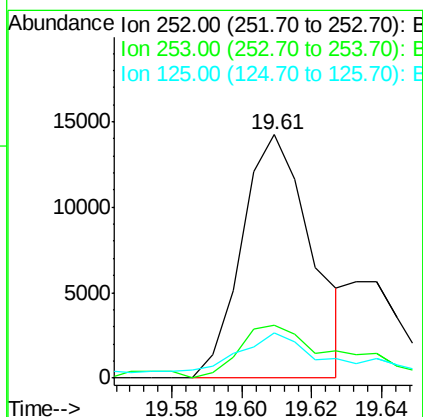
Manual Integrations
APPROVED

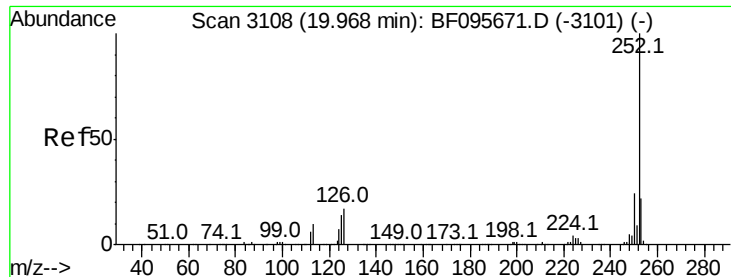
mohammad
6/12/2017 1:28:48 PM



#87
Benzo(b)fluoranthene
Concen: 3.61 ng m
RT: 19.61 min Scan# 3064
Delta R.T. -0.01 min
Lab File: BF095869.D
Acq: 11 Jun 2017 4:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	18.1	27.1
125	18.6	9.8	14.8#





#89
 Benzo(a)pyrene
 Concen: 2.47 ng
 RT: 19.96 min Scan# 3123
 Delta R.T. -0.01 min
 Lab File: BF095869.D
 Acq: 11 Jun 2017 4:13

Instrument :
 BNA_F
 ClientSampleId :
 E1-R9-BASE

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.5	26.3
125	17.6	11.0	16.4

Manual Integrations
 APPROVED

mohammad
 6/12/2017 1:28:48 PM

