

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050917\
 Data File : BF095046.D
 Acq On : 10 May 2017 4:08
 Operator : SJ/MA
 Sample : I2970-01 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-U10-BASE

Manual Integrations
 APPROVED

mohammad
 5/10/2017 11:47:53 AM

Quant Time: May 10 05:56:03 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 03 17:24:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	97828	20.00	ng	-0.02
21) Naphthalene-d8	9.73	136	409189	20.00	ng	-0.02
38) Acenaphthene-d10	12.56	164	165290	20.00	ng	-0.02
63) Phenanthrene-d10	14.96	188	292749	20.00	ng	-0.02
75) Chrysene-d12	18.63	240	207183	20.00	ng	-0.02
86) Perylene-d12	20.30	264	180993	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	308001	52.49	ng	-0.02
7) Phenol-d6	7.25	99	405249	57.56	ng	-0.02
23) Nitrobenzene-d5	8.61	82	239714	36.94	ng	-0.03
41) 2,4,6-Tribromophenol	13.86	330	71604	52.90	ng	-0.02
44) 2-Fluorobiphenyl	11.50	172	436279	37.99	ng	-0.03
78) Terphenyl-d14	17.28	244	310651	33.03	ng	-0.03
Target Compounds						Qvalue
31) Naphthalene	9.77	128	52281	2.54	ng	98
37) 2-Methylnaphthalene	10.90	142	50561	3.75	ng	98
49) Dimethylphthalate	12.20	163	78428	5.78	ng	# 97
69) Pentachlorophenol	14.73	266	2931	7.76	ng	91
70) Phenanthrene	14.99	178	82123	4.88	ng	97
74) Fluoranthene	16.74	202	133433	7.73	ng	97
77) Pyrene	17.04	202	135312	8.73	ng	97
80) Benzo(a)anthracene	18.62	228	67757	5.62	ng	93
82) Chrysene	18.67	228	76774	6.58	ng	95
85) Indeno(1,2,3-cd)pyrene	21.60	276	43733	4.62	ng	93
87) Benzo(b)fluoranthene	19.89	252	113768m	10.17	ng	
88) Benzo(k)fluoranthene	19.92	252	37927m	3.52	ng	
89) Benzo(a)pyrene	20.24	252	69565	6.74	ng	98
91) Benzo(a,h,i)perylene	21.98	276	40549	4.85	ng	# 92

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

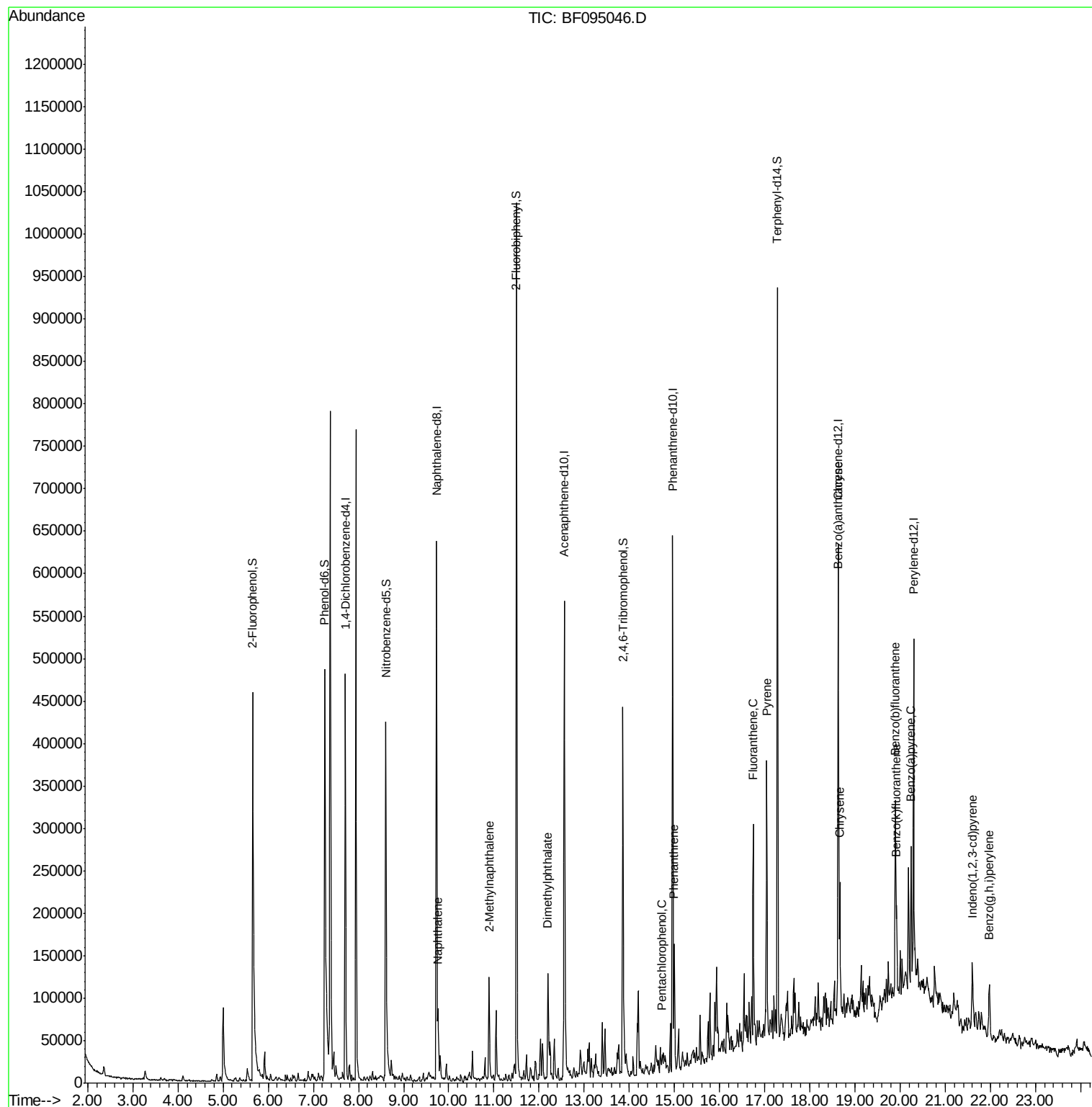
Data Path : Z:\HPCHEM1\BNA F\DATA\BF050917\
Data File : BF095046.D
Acq On : 10 May 2017 4:08
Operator : SJ/MA
Sample : I2970-01 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

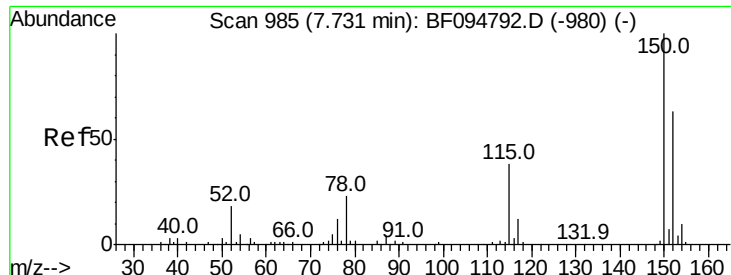
Instrument :
BNA_F
ClientSampleId :
E2-U10-BASE

Manual Integrations
APPROVED

mohammad
5/10/2017 11:47:53 AM

Quant Time: May 10 05:56:03 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 03 17:24:51 2017
Response via : Initial Calibration





#1

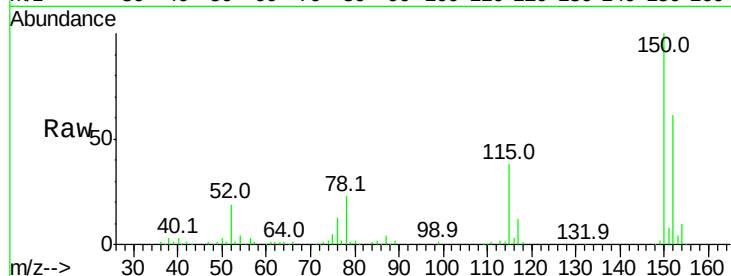
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.71 min Scan# 981
Delta R.T. -0.02 min
Lab File: BF095046.D
Acq: 10 May 2017 4:08

Instrument :
BNA_F
ClientSampleId :
E2-U10-BASE

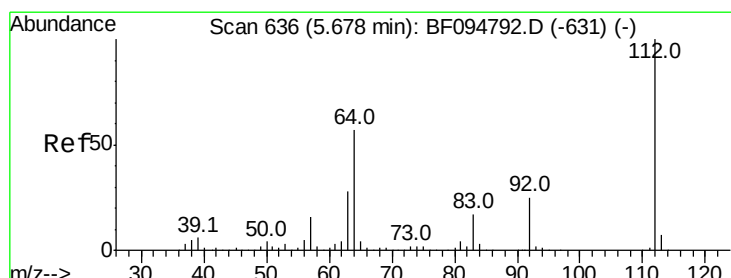
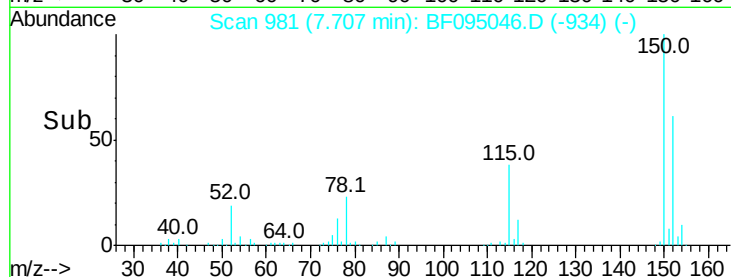
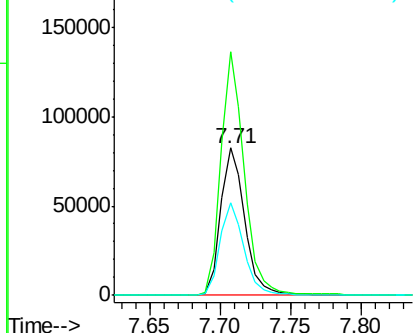
Tot Ion	Ratio	Lower	Upper
152	100		
150	165.1	126.2	189.2
115	62.4	52.2	78.2

Manual Integrations
APPROVED

mohammad
5/10/2017 11:47:53 AM



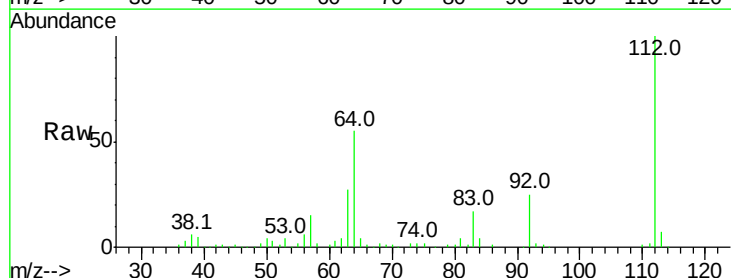
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



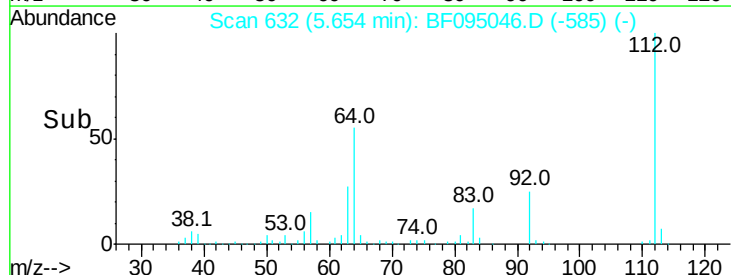
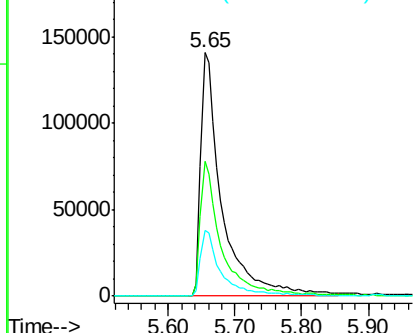
#5

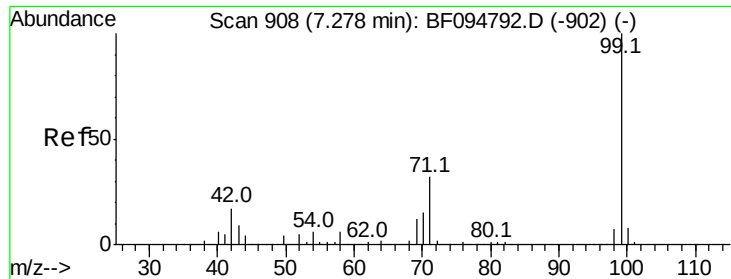
2-Fluorophenol
Concen: 52.49 ng
RT: 5.65 min Scan# 632
Delta R.T. -0.02 min
Lab File: BF095046.D
Acq: 10 May 2017 4:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.4	46.0	69.0
63	26.8	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: 57.56 ng

RT: 7.25 min Scan# 904

Delta R.T. -0.02 min

Lab File: BF095046.D

Acq: 10 May 2017 4:08

Instrument :

BNA_F

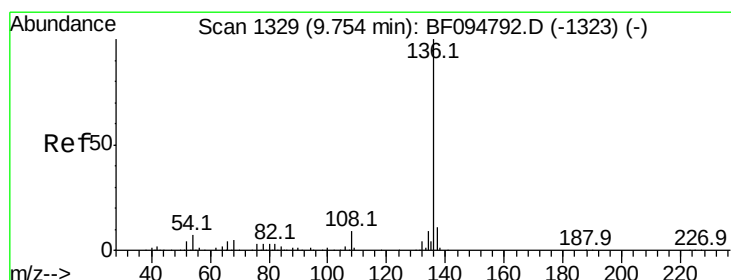
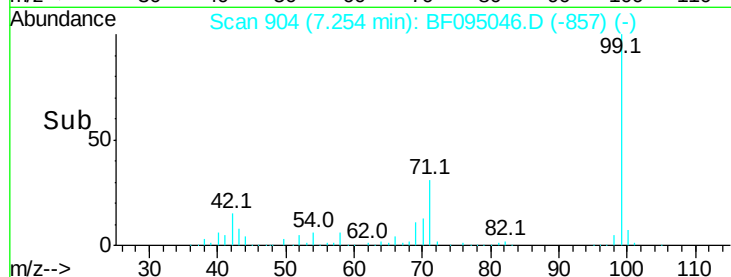
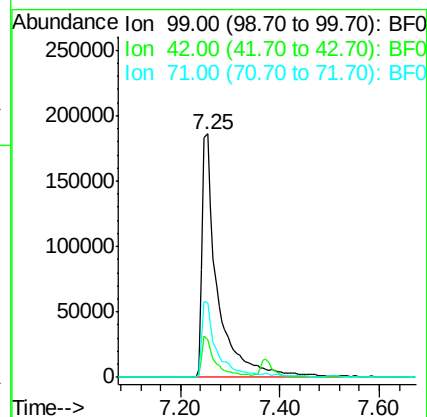
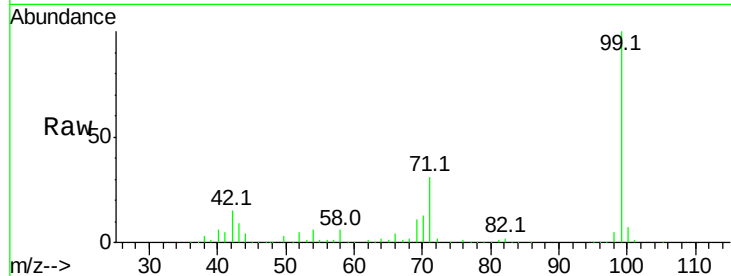
ClientSampled :

E2-U10-BASE

Tot Ion:	99	Resp:	405249
Ion Ratio	Lower	Upper	
99	100		
42	15.2	13.5	20.3
71	30.5	24.5	36.7

Manual Integrations
APPROVED

mohammad
5/10/2017 11:47:53 AM



#21

Naphthalene-d8

Concen: 20.00 ng

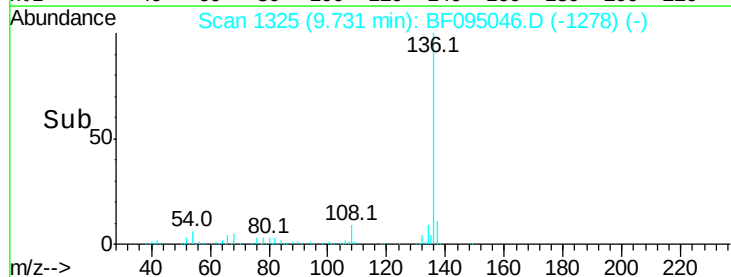
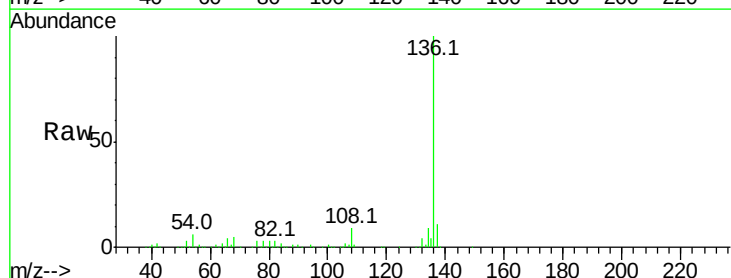
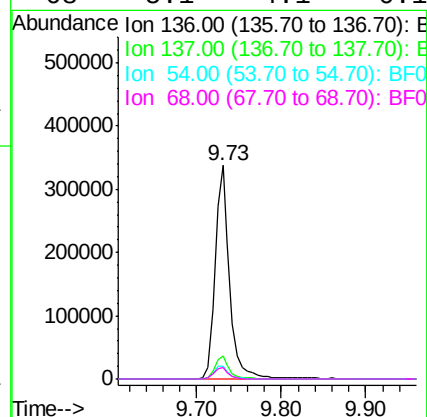
RT: 9.73 min Scan# 1325

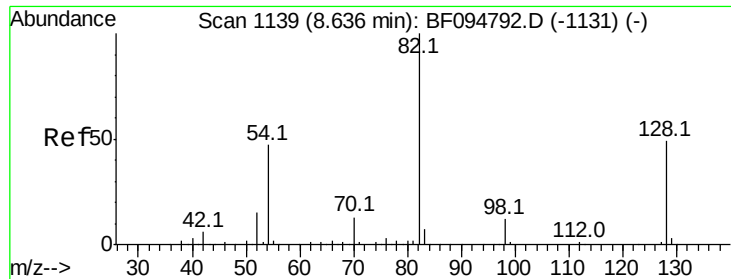
Delta R.T. -0.02 min

Lab File: BF095046.D

Acq: 10 May 2017 4:08

Tgt Ion:	136	Resp:	409189
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.5	12.7
54	6.0	4.9	7.3
68	5.1	4.1	6.1





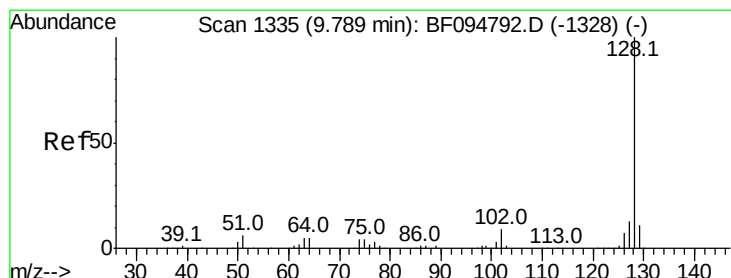
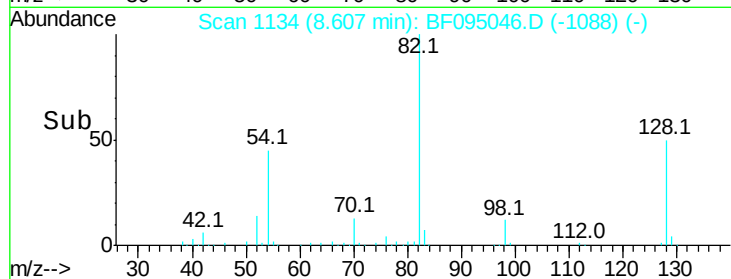
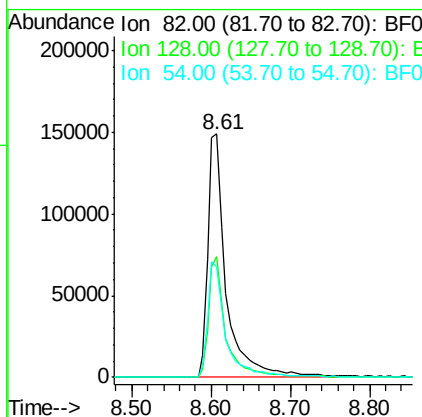
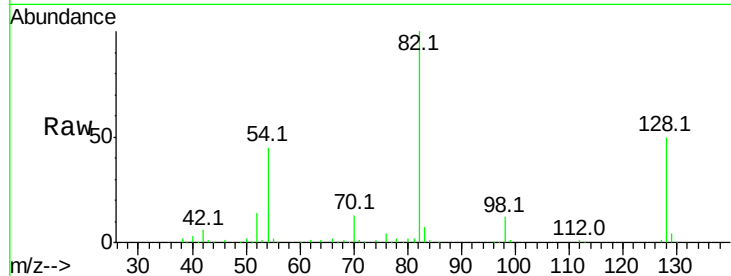
#23
 Nitrobenzene-d5
 Concen: 36.94 ng
 RT: 8.61 min Scan# 1134
 Delta R.T. -0.03 min
 Lab File: BF095046.D
 Acq: 10 May 2017 4:08

Instrument :
 BNA_F
 ClientSampleId :
 E2-U10-BASE

Tot Ion	Ratio	Lower	Upper
82	100		
128	49.7	34.0	51.0
54	45.2	42.2	63.2

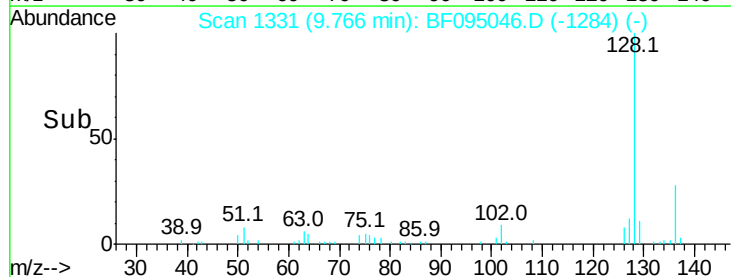
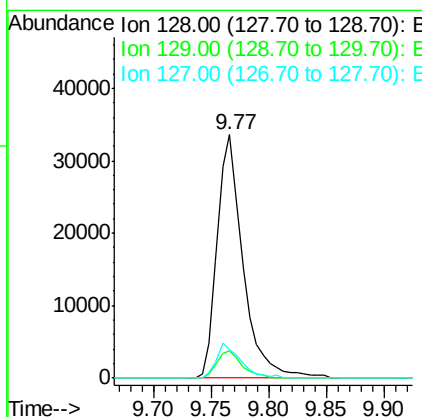
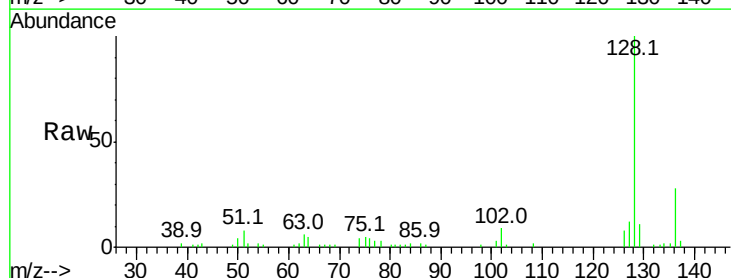
Manual Integrations
 APPROVED

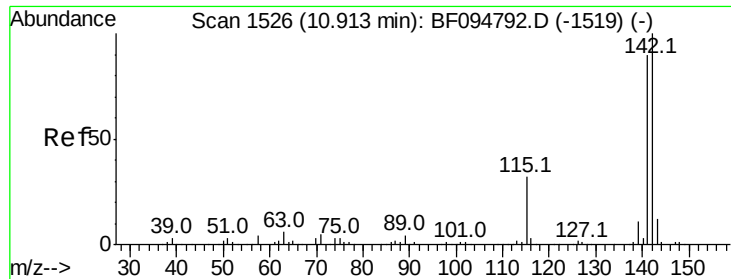
mohammad
 5/10/2017 11:47:53 AM



#31
 Naphthalene
 Concen: 2.54 ng
 RT: 9.77 min Scan# 1331
 Delta R.T. -0.02 min
 Lab File: BF095046.D
 Acq: 10 May 2017 4:08

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.0	13.6
127	11.7	10.8	16.2





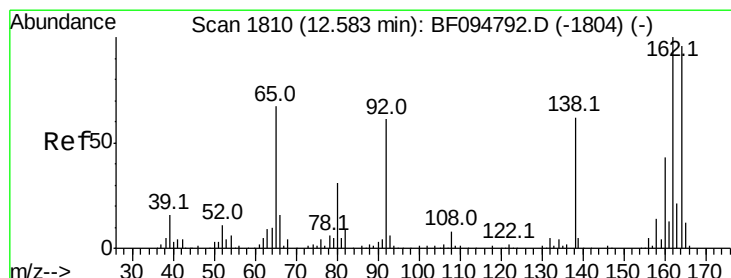
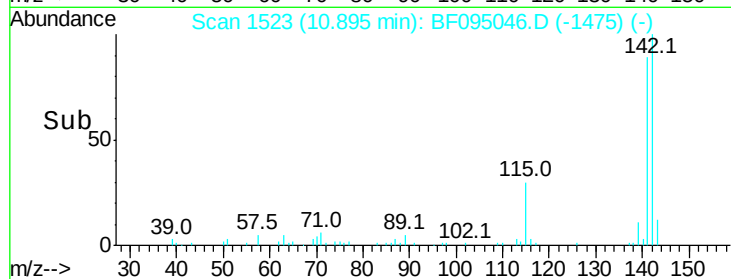
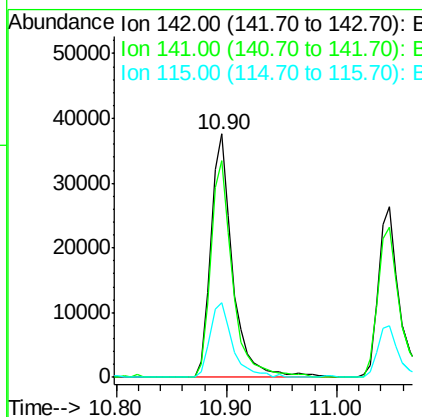
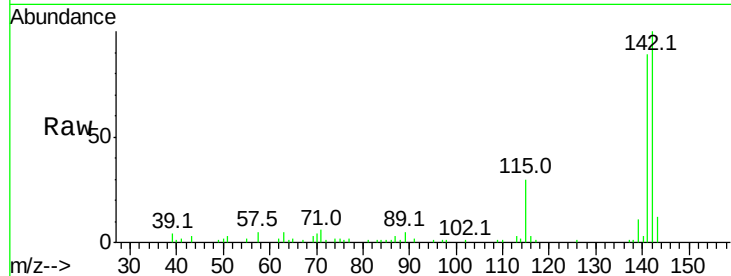
#37
2-Methylnaphthalene
Concen: 3.75 ng
RT: 10.90 min Scan# 1523
Delta R.T. -0.02 min
Lab File: BF095046.D
Acq: 10 May 2017 4:08

Instrument :
BNA_F
ClientSampleId :
E2-U10-BASE

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.2	71.3	106.9
115	30.4	27.1	40.7

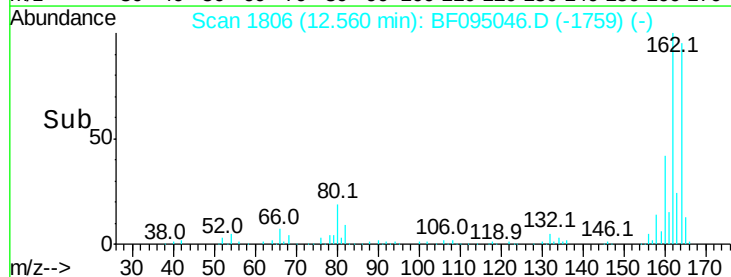
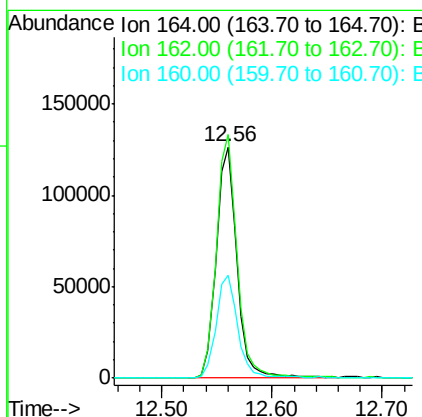
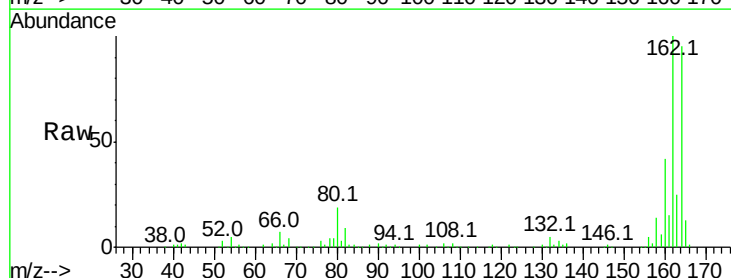
Manual Integrations
APPROVED

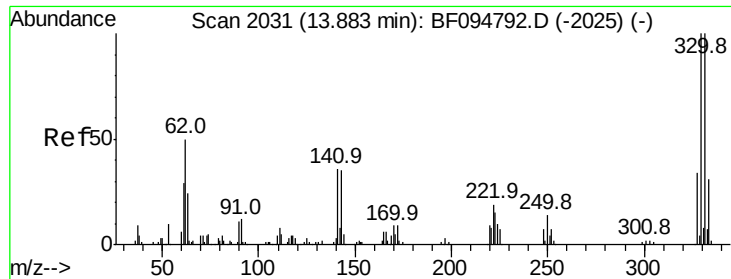
mohammad
5/10/2017 11:47:53 AM



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.56 min Scan# 1806
Delta R.T. -0.02 min
Lab File: BF095046.D
Acq: 10 May 2017 4:08

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.2	82.6	123.8
160	44.6	36.2	54.2





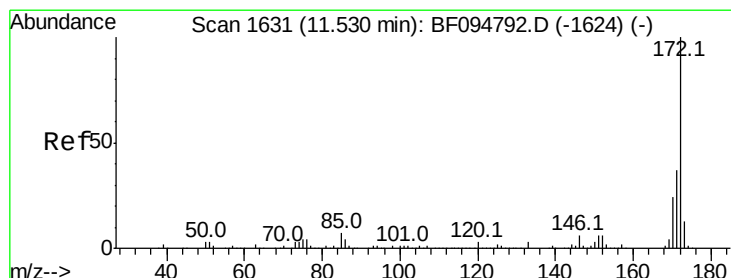
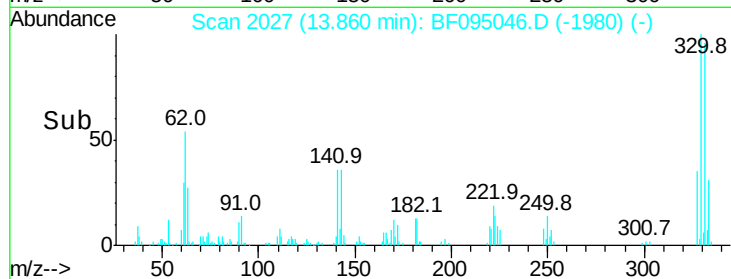
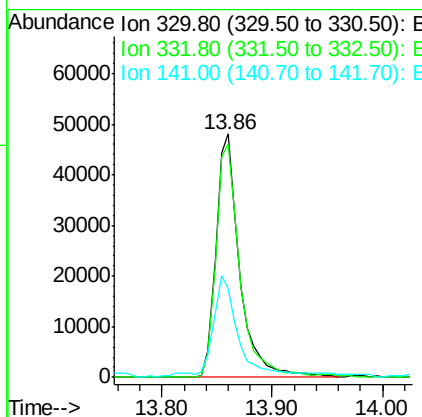
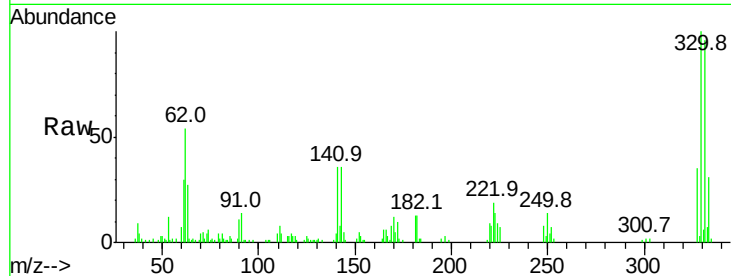
#41
 2,4,6-Tribromophenol
 Concen: 52.90 ng
 RT: 13.86 min Scan# 2027
 Delta R.T. -0.02 min
 Lab File: BF095046.D
 Acq: 10 May 2017 4:08

Instrument :
 BNA_F
 ClientSampleId :
 E2-U10-BASE

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	76.6	115.0
141	38.6	31.4	47.2

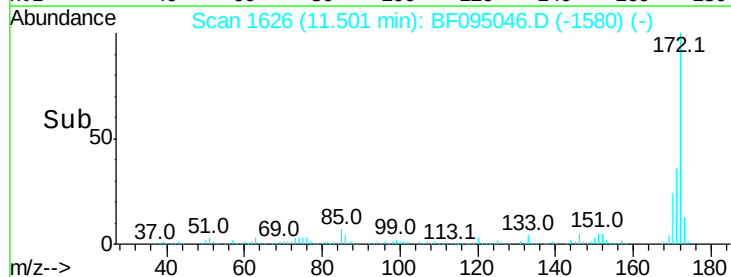
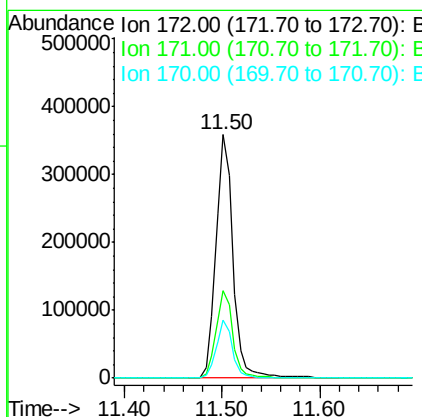
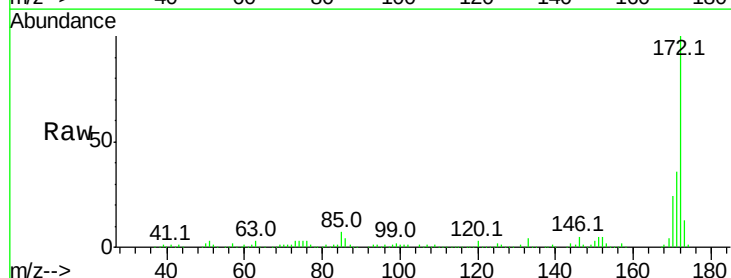
Manual Integrations
 APPROVED

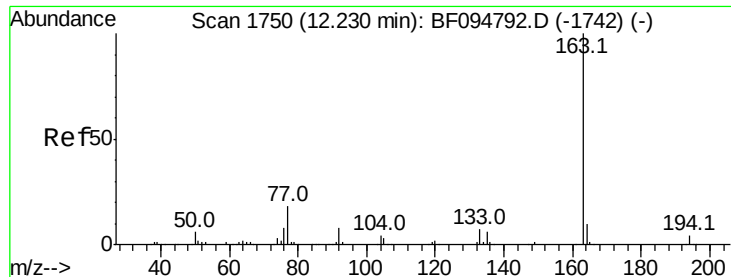
mohammad
 5/10/2017 11:47:53 AM



#44
 2-Fluorobiphenyl
 Concen: 37.99 ng
 RT: 11.50 min Scan# 1626
 Delta R.T. -0.03 min
 Lab File: BF095046.D
 Acq: 10 May 2017 4:08

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.6	44.4
170	23.8	19.8	29.8





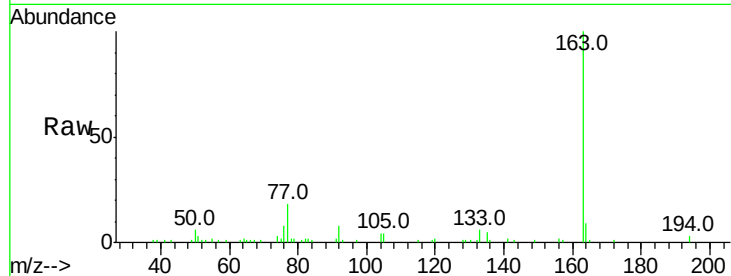
#49
Dimethylphthalate
Concen: 5.78 ng
RT: 12.20 min Scan# 1745
Delta R.T. -0.03 min
Lab File: BF095046.D
Acq: 10 May 2017 4:08

Instrument :
BNA_F
ClientSampleId :
E2-U10-BASE

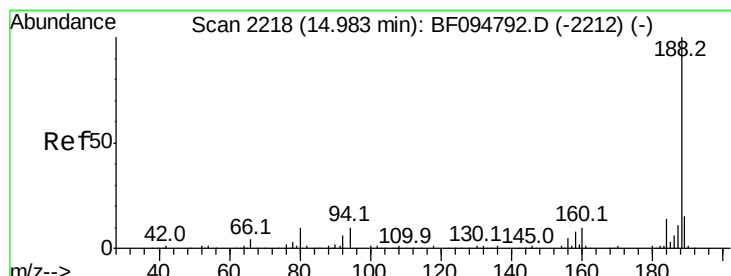
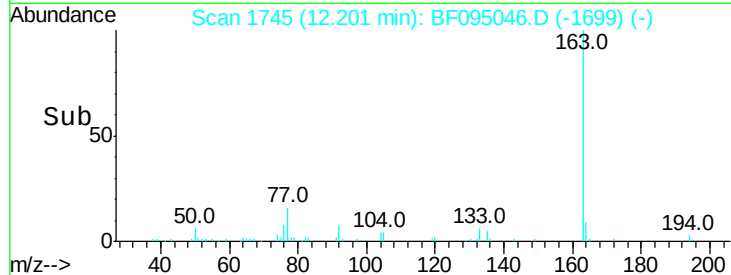
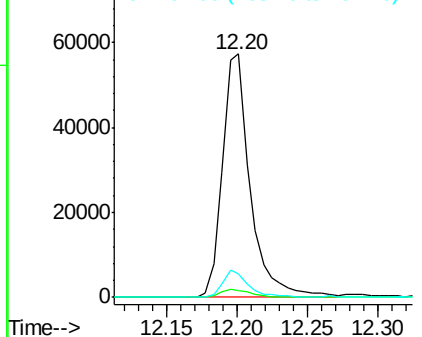
Tot Ion	Ratio	Lower	Upper
163	100		
194	2.6	2.6	4.0#
164	9.4	8.4	12.6

Manual Integrations
APPROVED

mohammad
5/10/2017 11:47:53 AM



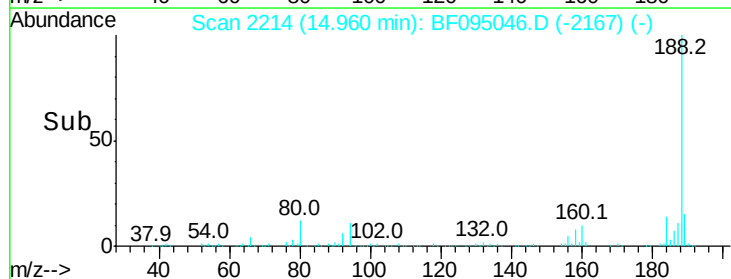
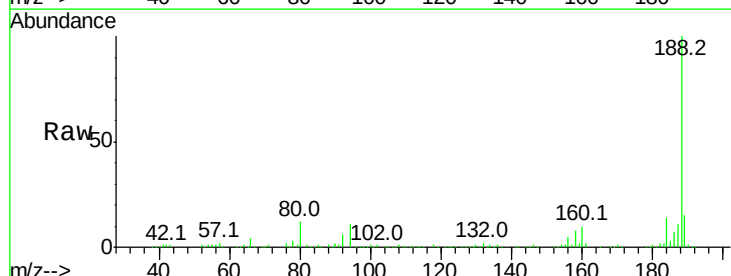
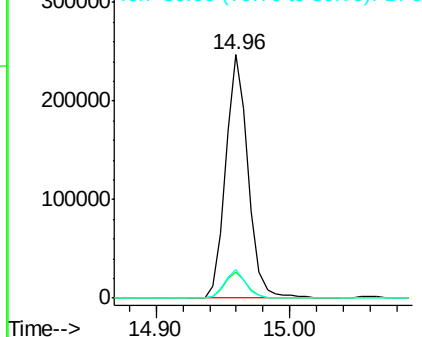
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

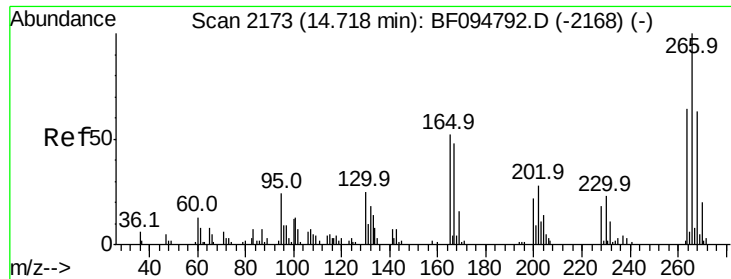


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.96 min Scan# 2214
Delta R.T. -0.02 min
Lab File: BF095046.D
Acq: 10 May 2017 4:08

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.8	9.4	14.2
80	11.7	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





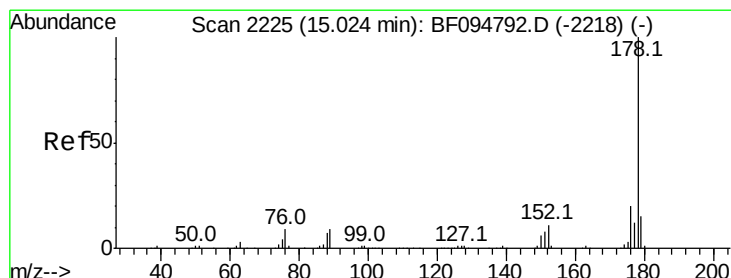
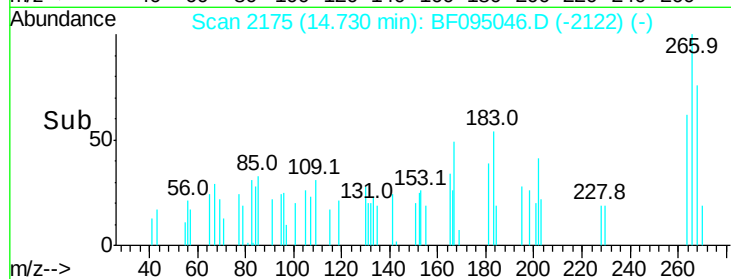
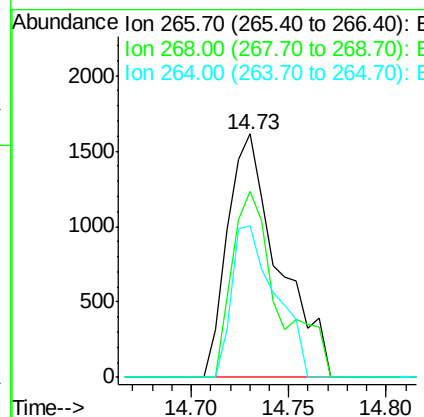
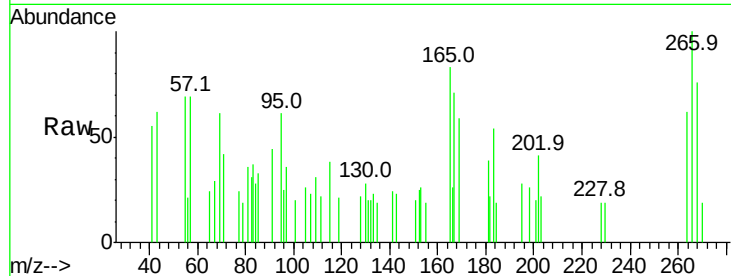
#69
 Pentachlorophenol
 Concen: 7.76 ng
 RT: 14.73 min Scan# 2175
 Delta R.T. 0.01 min
 Lab File: BF095046.D
 Acq: 10 May 2017 4:08

Instrument :
 BNA_F
 ClientSampleId :
 E2-U10-BASE

Tot Ion	Ratio	Resp	Lower	Upper
266	100	2931		
268	76.4		51.1	76.7
264	62.4		51.7	77.5

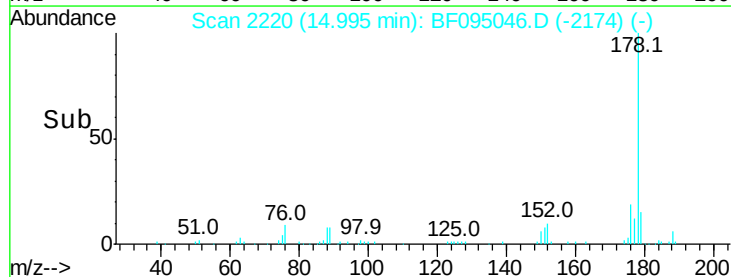
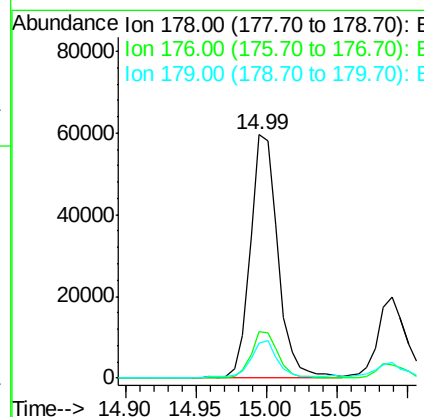
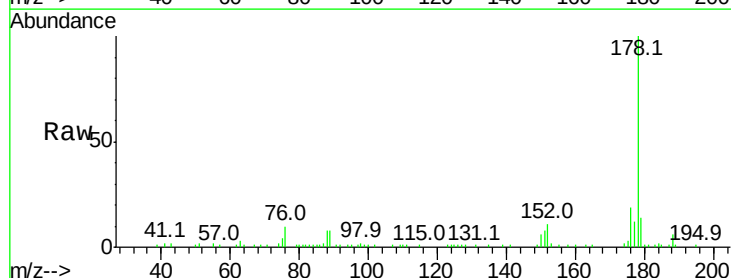
Manual Integrations
 APPROVED

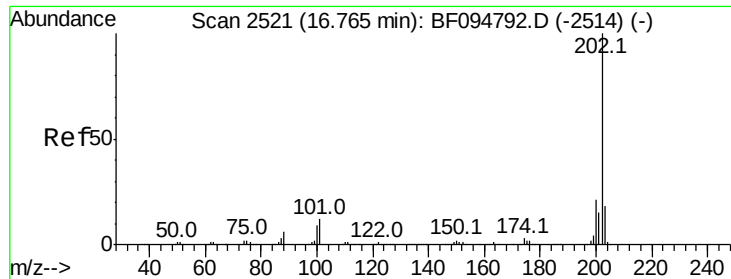
mohammad
 5/10/2017 11:47:53 AM



#70
 Phenanthrene
 Concen: 4.88 ng
 RT: 14.99 min Scan# 2220
 Delta R.T. -0.03 min
 Lab File: BF095046.D
 Acq: 10 May 2017 4:08

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	82123		
176	19.2		16.2	24.4
179	14.5		12.6	19.0





#74

Fluoranthene

Concen: 7.73 ng

RT: 16.74 min Scan# 2517

Delta R.T. -0.02 min

Lab File: BF095046.D

Acq: 10 May 2017 4:08

Instrument :

BNA_F

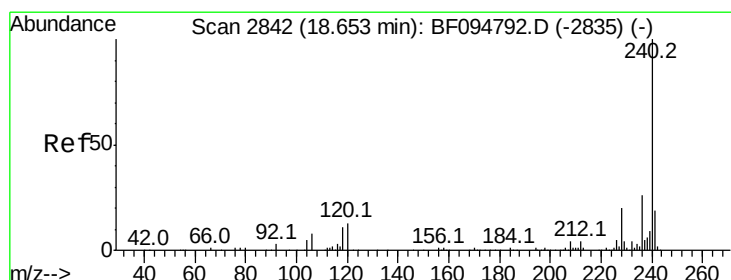
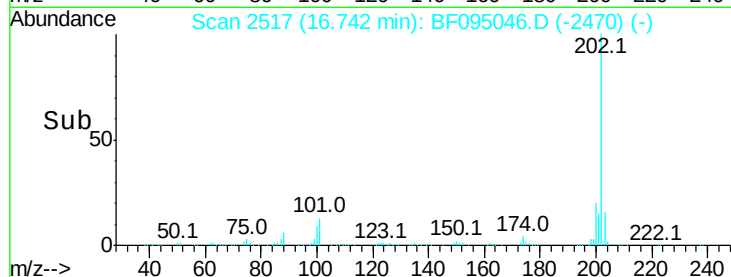
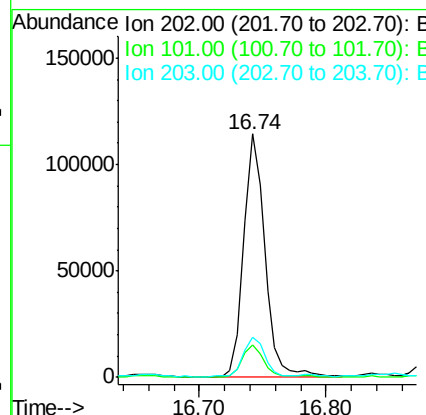
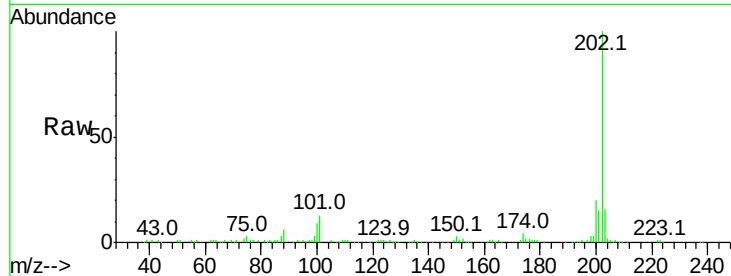
ClientSampleId :

E2-U10-BASE

Tot Ion:	202	Resp:	133433
Ion Ratio	Lower	Upper	
202	100		
101	13.5	0.0	33.2
203	16.3	0.0	38.1

Manual Integrations
APPROVED

mohammad
5/10/2017 11:47:53 AM



#75

Chrysene-d12

Concen: 20.00 ng

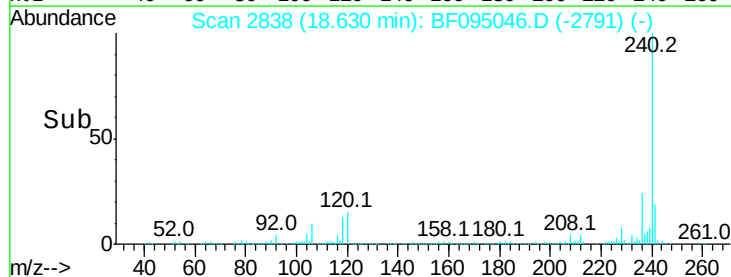
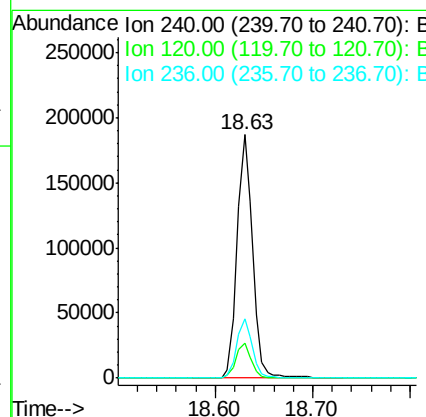
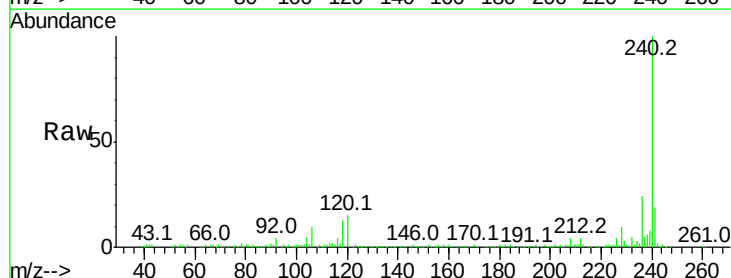
RT: 18.63 min Scan# 2838

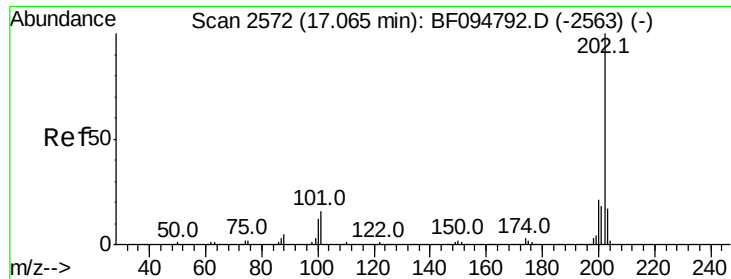
Delta R.T. -0.02 min

Lab File: BF095046.D

Acq: 10 May 2017 4:08

Tgt Ion:	240	Resp:	207183
Ion Ratio	Lower	Upper	
240	100		
120	14.5	5.8	8.8#
236	24.1	20.5	30.7





#77

Pvrene

Concen: 8.73 ng

RT: 17.04 min Scan# 2568

Delta R.T. -0.02 min

Lab File: BF095046.D

Acq: 10 May 2017 4:08

Instrument :

BNA_F

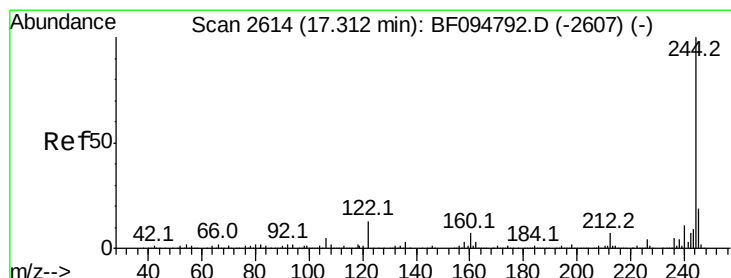
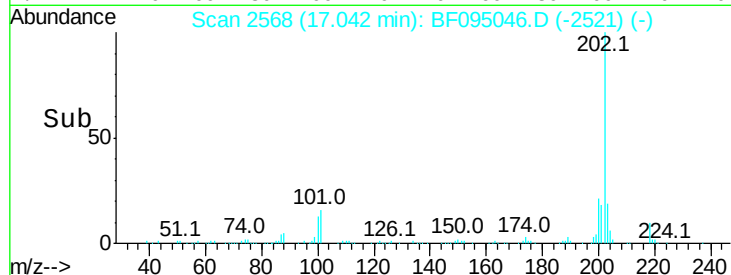
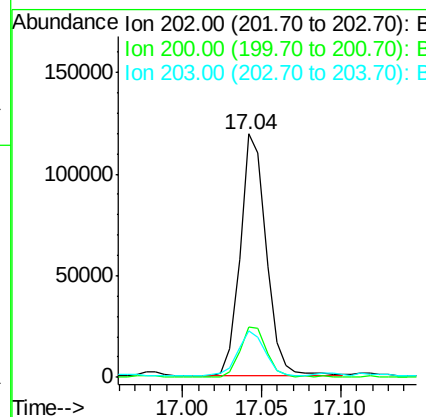
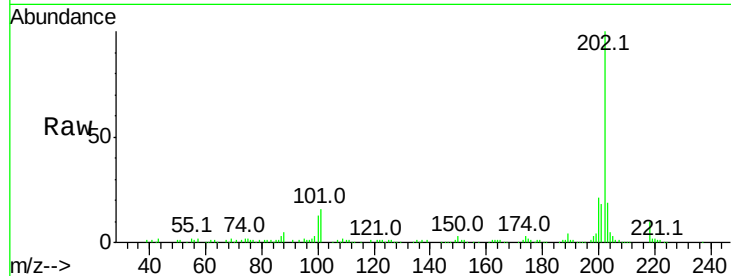
ClientSampleId :

E2-U10-BASE

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
200	20.9	17.6	26.4	
203	19.3	14.4	21.6	

Manual Integrations
APPROVED

mohammad
5/10/2017 11:47:53 AM



#78

Terphenyl-d14

Concen: 33.03 ng

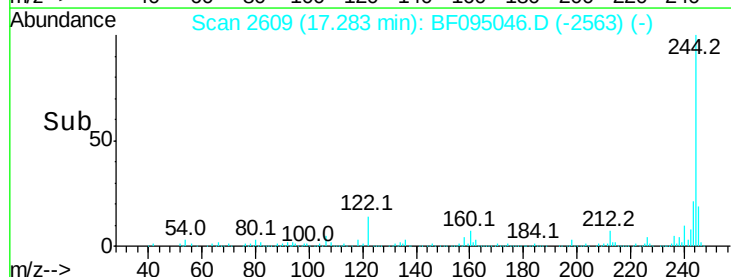
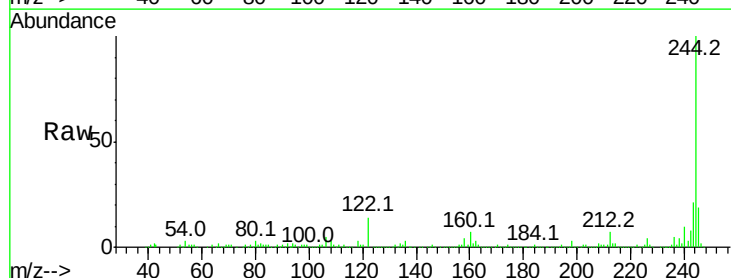
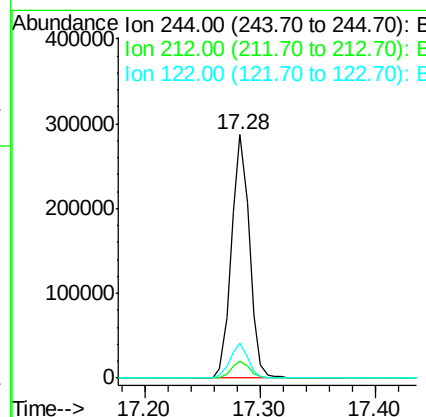
RT: 17.28 min Scan# 2609

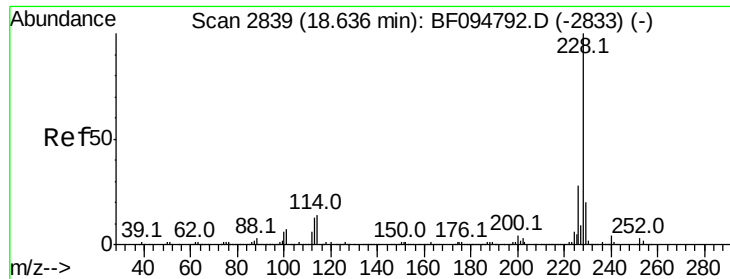
Delta R.T. -0.03 min

Lab File: BF095046.D

Acq: 10 May 2017 4:08

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	6.9	6.0	9.0	
122	14.3	10.3	15.5	





#80

Benzo(a)anthracene

Concen: 5.62 ng

RT: 18.62 min Scan# 2836

Delta R.T. -0.02 min

Lab File: BF095046.D

Acq: 10 May 2017 4:08

Instrument :

BNA_F

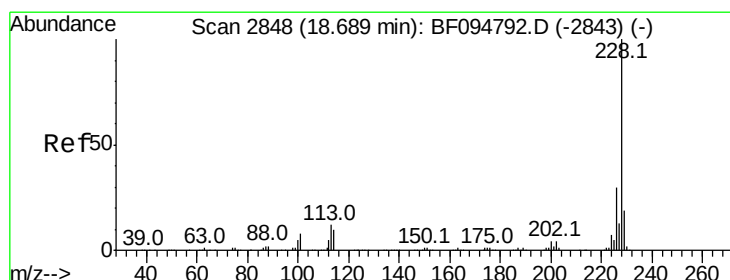
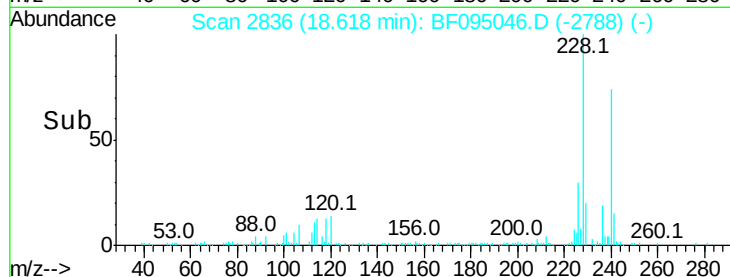
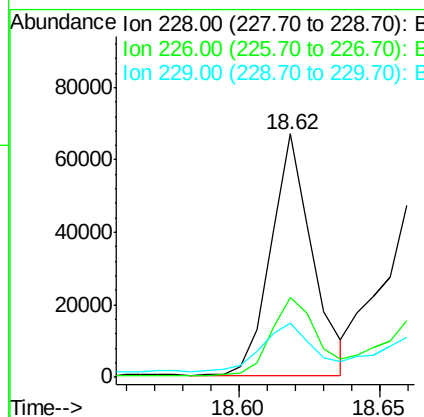
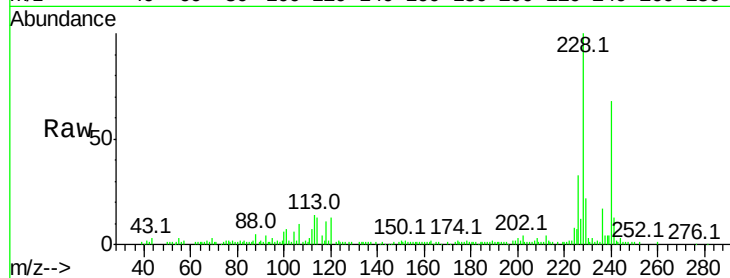
ClientSampleId :

E2-U10-BASE

Tot Ion:	228	Resp:	67757
Ion Ratio	Lower	Upper	
228	100		
226	33.0	22.6	33.8
229	22.3	16.3	24.5

Manual Integrations
APPROVED

mohammad
5/10/2017 11:47:53 AM



#82

Chrysene

Concen: 6.58 ng

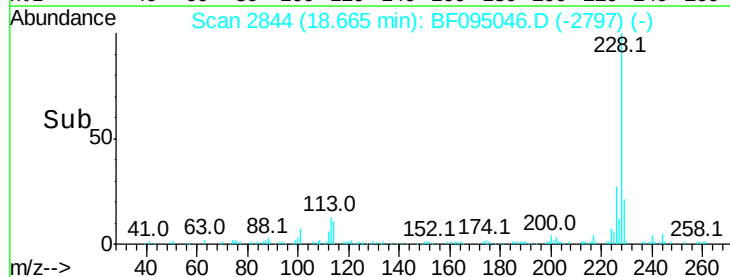
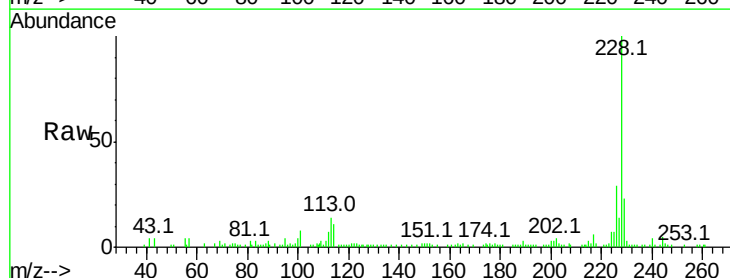
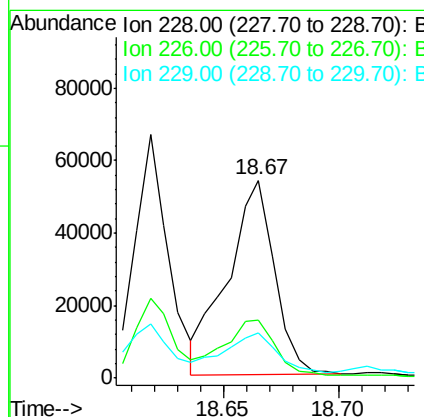
RT: 18.67 min Scan# 2844

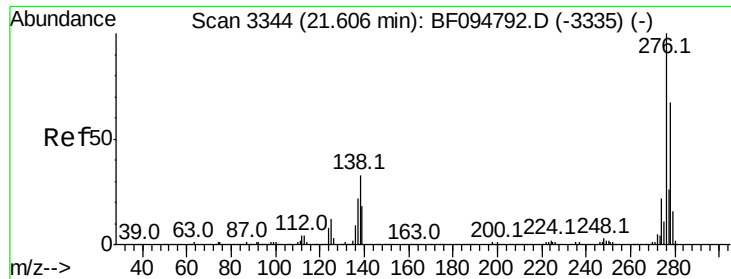
Delta R.T. -0.02 min

Lab File: BF095046.D

Acq: 10 May 2017 4:08

Tgt Ion:	228	Resp:	76774
Ion Ratio	Lower	Upper	
228	100		
226	29.1	24.9	37.3
229	22.5	15.8	23.6





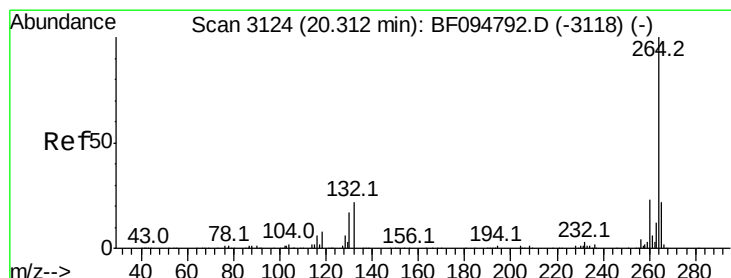
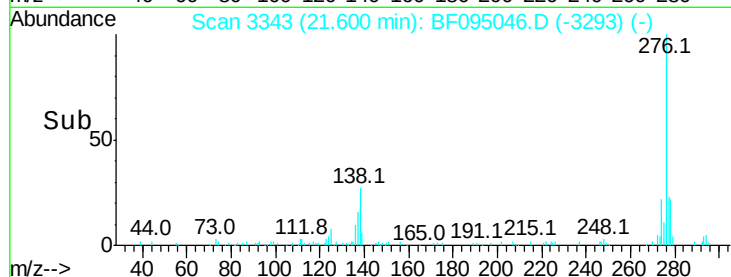
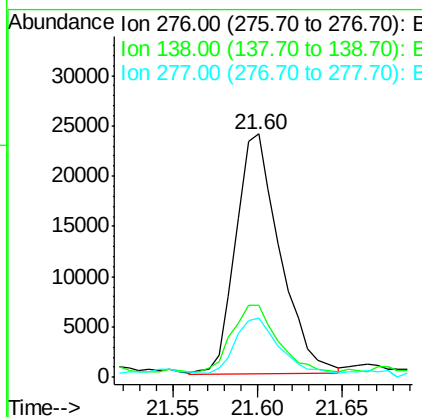
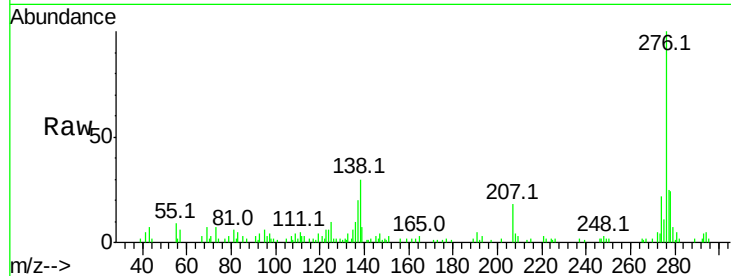
#85
Indeno(1,2,3-cd)pyrene
Concen: 4.62 ng
RT: 21.60 min Scan# 3343
Delta R.T. -0.01 min
Lab File: BF095046.D
Acq: 10 May 2017 4:08

Instrument :
BNA_F
ClientSampleId :
E2-U10-BASE

Tot Ion:	276	Resp:	43733
Ion Ratio	Lower	Upper	
276	100		
138	30.6	27.8	41.6
277	22.3	20.2	30.4

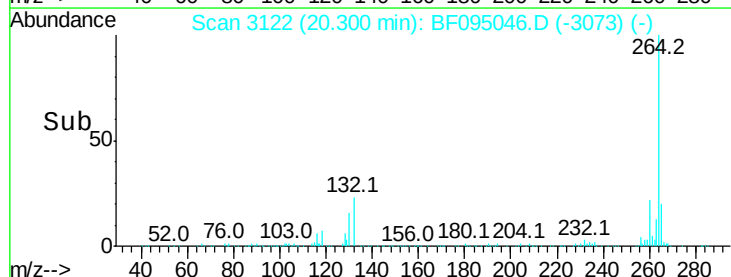
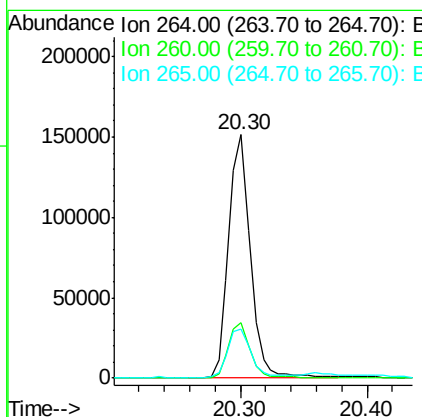
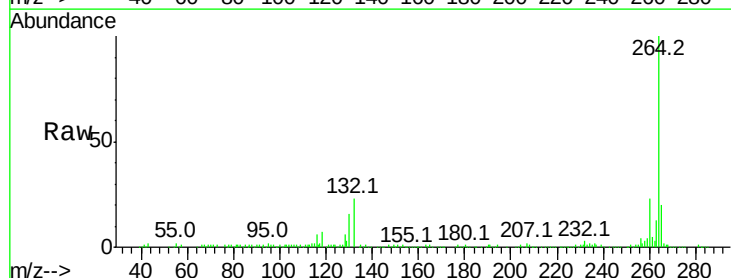
Manual Integrations
APPROVED

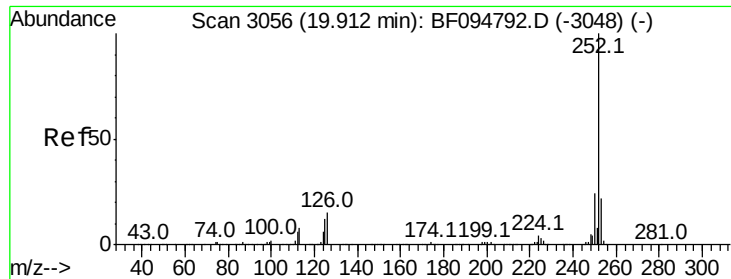
mohammad
5/10/2017 11:47:53 AM



#86
Perylene-d12
Concen: 20.00 ng
RT: 20.30 min Scan# 3122
Delta R.T. -0.01 min
Lab File: BF095046.D
Acq: 10 May 2017 4:08

Tgt Ion:	264	Resp:	180993
Ion Ratio	Lower	Upper	
264	100		
260	22.7	19.5	29.3
265	20.1	17.2	25.8





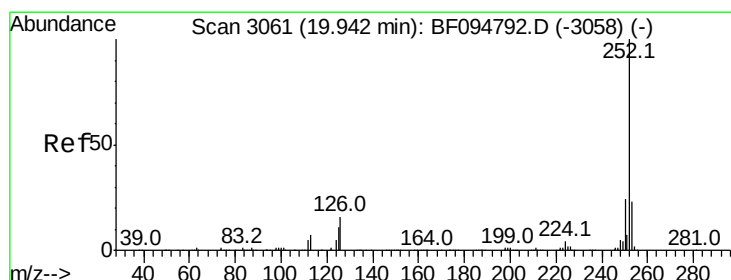
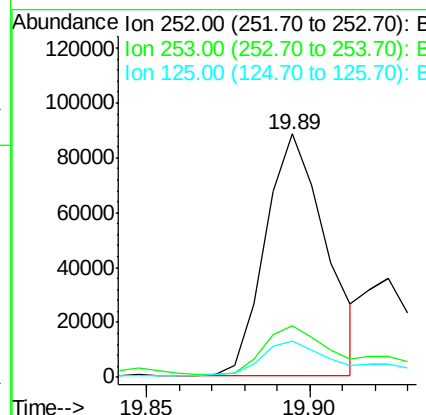
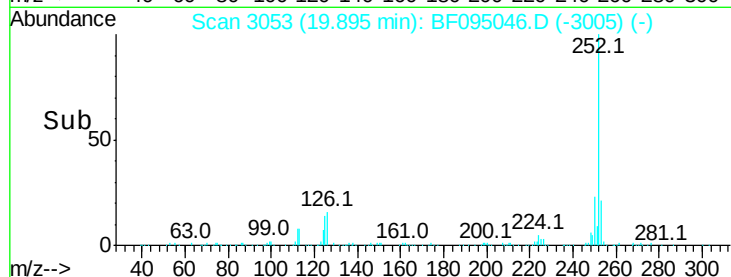
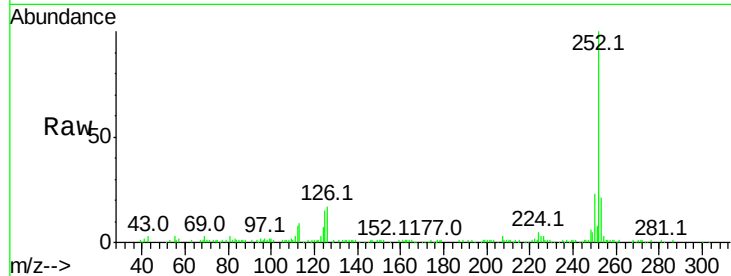
#87
Benzo(b)fluoranthene
Concen: 10.17 ng m
RT: 19.89 min Scan# 3053
Delta R.T. -0.02 min
Lab File: BF095046.D
Acq: 10 May 2017 4:08

Instrument :
BNA_F
ClientSampleId :
E2-U10-BASE

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.3	18.1	27.1
125	15.0	9.8	14.8

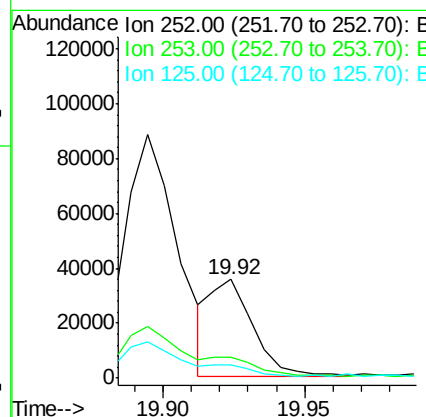
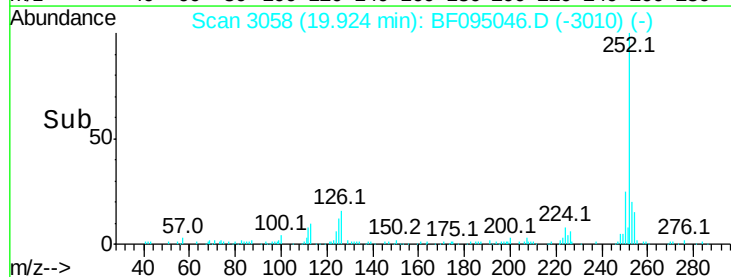
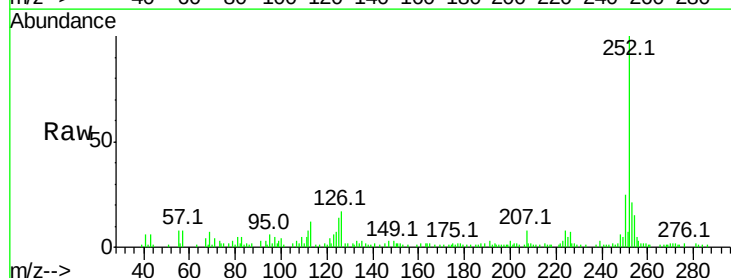
Manual Integrations
APPROVED

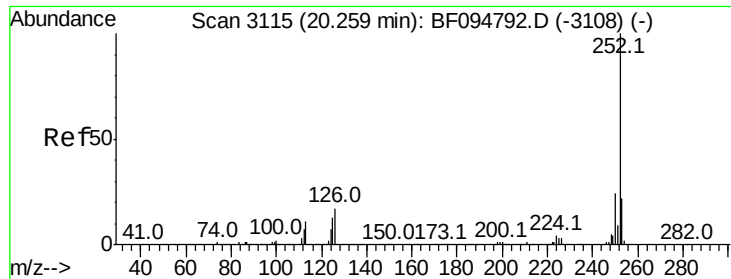
mohammad
5/10/2017 11:47:53 AM



#88
Benzo(k)fluoranthene
Concen: 3.52 ng m
RT: 19.92 min Scan# 3058
Delta R.T. -0.02 min
Lab File: BF095046.D
Acq: 10 May 2017 4:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.3	18.4	27.6
125	13.9	13.1	19.7





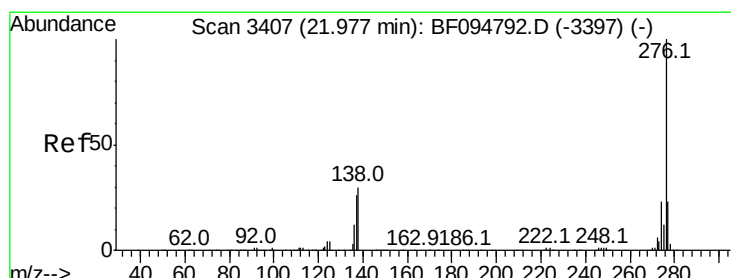
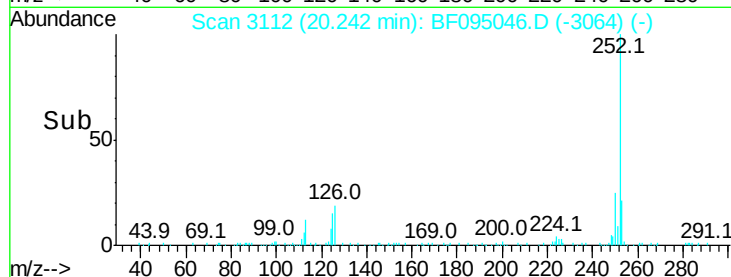
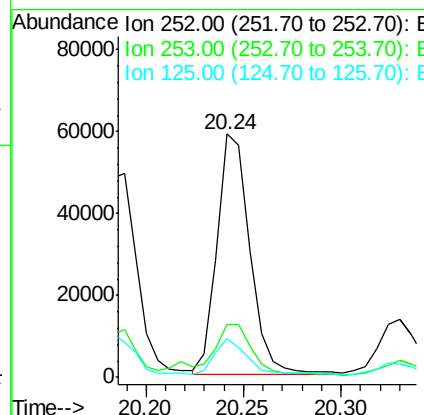
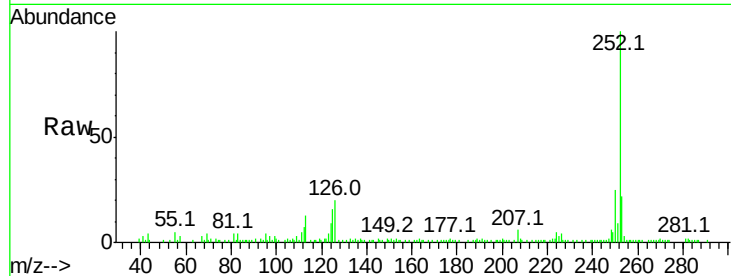
#89
Benzo(a)pyrene
Concen: 6.74 ng
RT: 20.24 min Scan# 3112
Delta R.T. -0.02 min
Lab File: BF095046.D
Acq: 10 May 2017 4:08

Instrument :
BNA_F
ClientSampleId :
E2-U10-BASE

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	16.0	11.0	16.4

Manual Integrations
APPROVED

mohammad
5/10/2017 11:47:53 AM



#91
Benzo(g,h,i)perylene
Concen: 4.85 ng
RT: 21.98 min Scan# 3407
Delta R.T. 0.00 min
Lab File: BF095046.D
Acq: 10 May 2017 4:08

Tgt Ion	Ratio	Lower	Upper
276	100		
277	28.5	18.6	28.0#
138	27.9	25.4	38.0

