

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060617\
 Data File : BF095721.D
 Acq On : 6 Jun 2017 21:36
 Operator : SJ/MA
 Sample : I3405-04RE
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 R1-SB-4D12RE

Manual Integrations
 APPROVED

mohammad
 6/7/2017 3:53:09 PM

Quant Time: Jun 07 15:45:52 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	89356	20.00	ng	-0.02
21) Naphthalene-d8	9.42	136	366387	20.00	ng	-0.02
38) Acenaphthene-d10	12.23	164	159368	20.00	ng	-0.02
63) Phenanthrene-d10	14.63	188	263255	20.00	ng	-0.02
75) Chrysene-d12	18.34	240	175943	20.00	ng	-0.02
86) Perylene-d12	20.01	264	155748	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	211937	37.79	ng	0.00
7) Phenol-d6	6.94	99	632551	94.22	ng	-0.02
23) Nitrobenzene-d5	8.30	82	406570	68.92	ng	-0.02
41) 2,4,6-Tribromophenol	13.53	330	34876	24.73	ng	-0.02
44) 2-Fluorobiphenyl	11.20	172	785666	68.60	ng	-0.02
78) Terphenyl-d14	17.00	244	523768	73.88	ng	-0.01
Target Compounds						Qvalue
10) Phenol	6.96	94	25908	3.720	ng	91
49) Dimethylphthalate	11.89	163	77576	6.411	ng	99
70) Phenanthrene	14.66	178	282362	18.589	ng	98
71) Anthracene	14.76	178	33322m	2.101	ng	
72) Carbazole	15.06	167	43782	2.833	ng	97
74) Fluoranthene	16.44	202	441119	29.341	ng	98
77) Pyrene	16.74	202	328210	25.001	ng	# 94
79) Butylbenzylphthalate	17.67	149	33815	5.898	ng	89
80) Benzo(a)anthracene	18.33	228	98472	9.626	ng	98
82) Chrysene	18.37	228	126806m	12.404	ng	
85) Indeno(1,2,3-cd)pyrene	21.19	276	56259	6.432	ng	92
87) Benzo(b)fluoranthene	19.60	252	144278	14.794	ng	# 97
88) Benzo(k)fluoranthene	19.63	252	44620m	4.787	ng	
89) Benzo(a)pyrene	19.96	252	85646	9.555	ng	98
91) Benzo(g,h,i)perylene	21.52	276	53911	6.955	ng	95

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

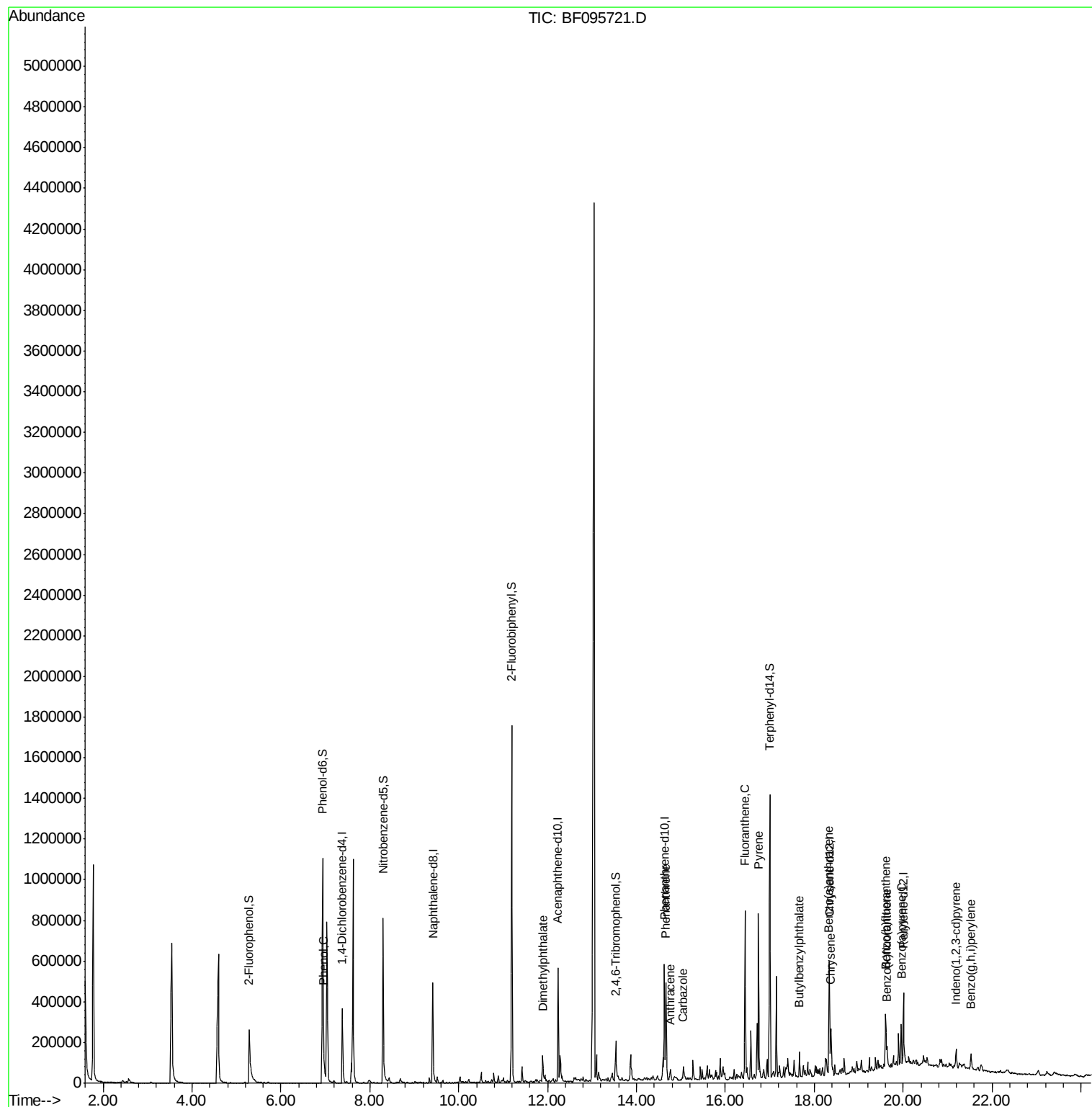
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060617\
Data File : BF095721.D
Acq On : 6 Jun 2017 21:36
Operator : SJ/MA
Sample : I3405-04RE
Misc :
ALS Vial : 11 Sample Multiplier: 1

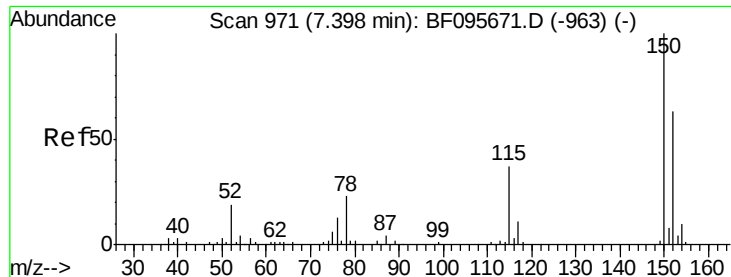
Instrument :
BNA_F
ClientSampleId :
R1-SB-4D12RE

Manual Integrations
APPROVED

mohammad
6/7/2017 3:53:09 PM

Quant Time: Jun 07 15:45:52 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





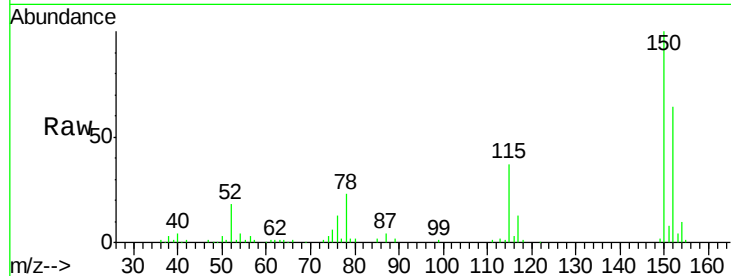
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.38 min Scan# 985
 Delta R.T. -0.02 min
 Lab File: BF095721.D
 Acq: 6 Jun 2017 21:36

Instrument :
 BNA_F
 ClientSampleId :
 R1-SB-4D12RE

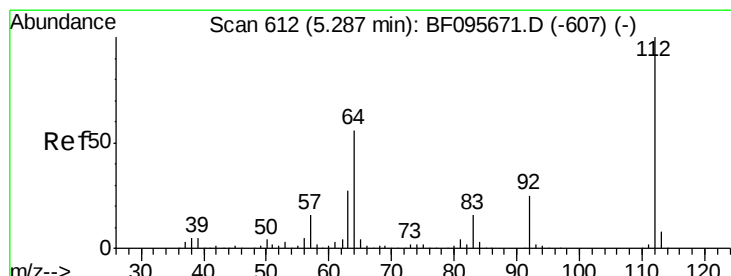
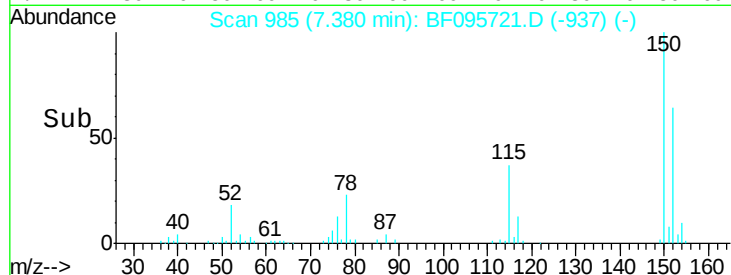
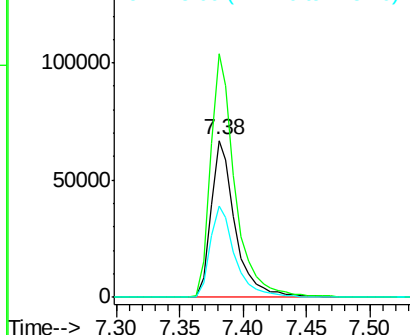
Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.1	126.2	189.2
115	58.1	52.2	78.2

Manual Integrations
 APPROVED

mohammad
 6/7/2017 3:53:09 PM

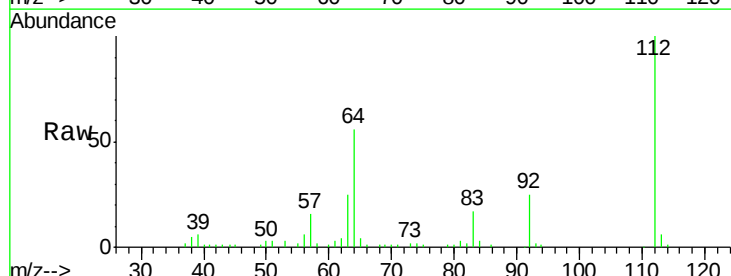


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

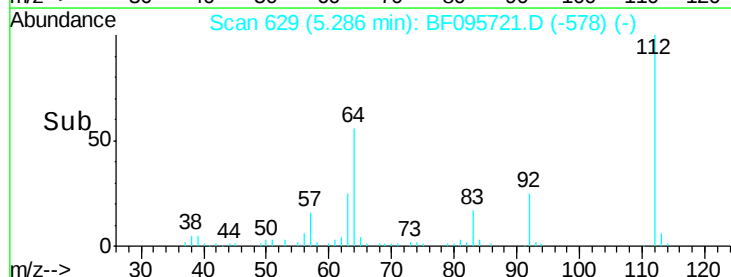
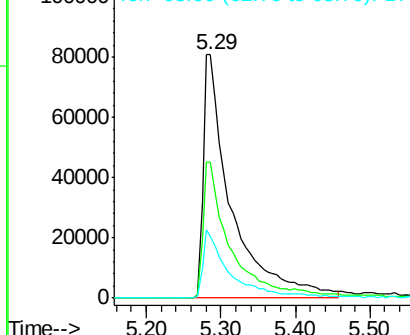


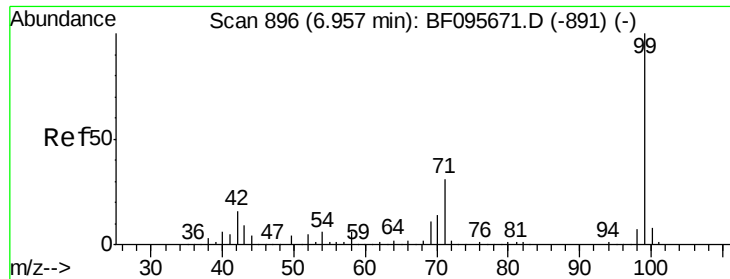
#5
 2-Fluorophenol
 Concen: 37.794 ng
 RT: 5.29 min Scan# 629
 Delta R.T. 0.00 min
 Lab File: BF095721.D
 Acq: 6 Jun 2017 21:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.9	46.0	69.0
63	25.2	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: 94.223 ng

RT: 6.94 min Scan# 910

Delta R.T. -0.02 min

Lab File: BF095721.D

Acq: 6 Jun 2017 21:36

Instrument :

BNA_F

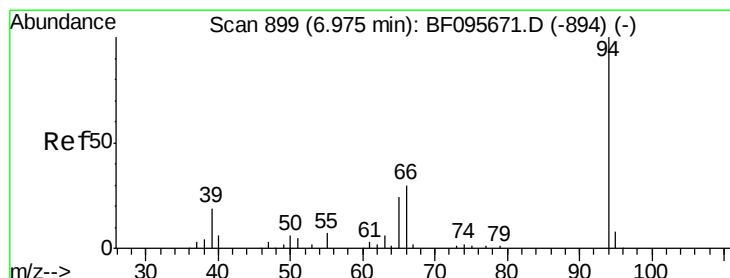
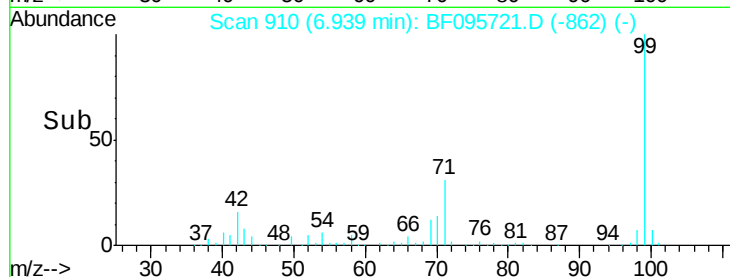
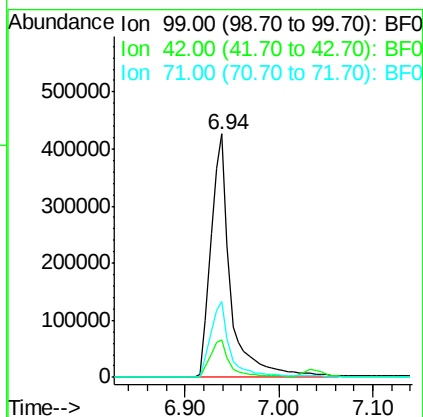
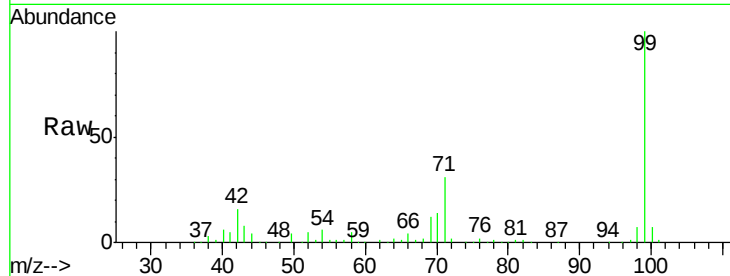
ClientSampleId :

R1-SB-4D12RE

Tgt Ion:	99	Resp:	632551
Ion	Ratio	Lower	Upper
99	100		
42	15.6	13.5	20.3
71	31.0	24.5	36.7

Manual Integrations
APPROVED

mohammad
6/7/2017 3:53:09 PM



#10

Phenol

Concen: 3.720 ng

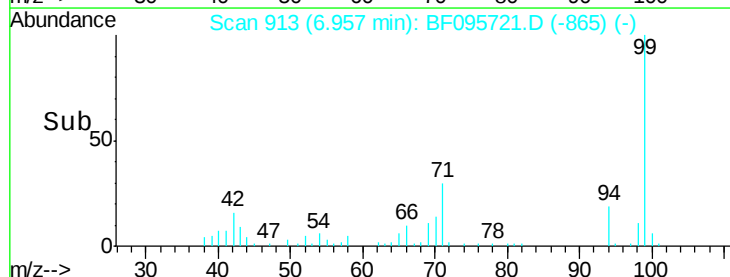
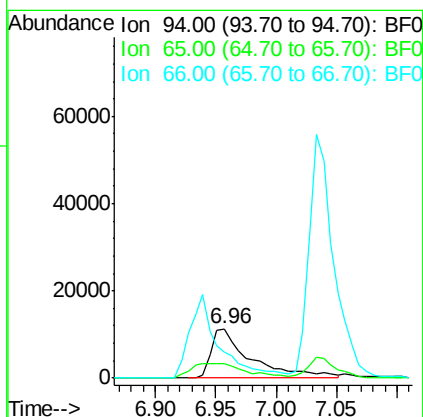
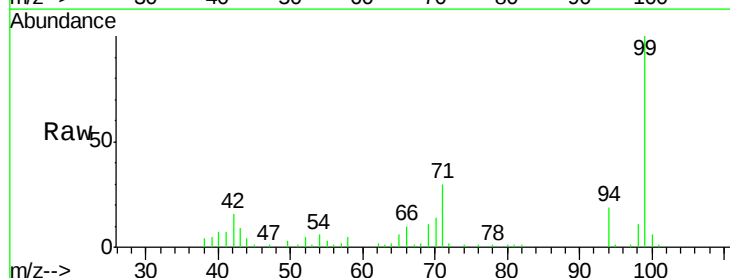
RT: 6.96 min Scan# 913

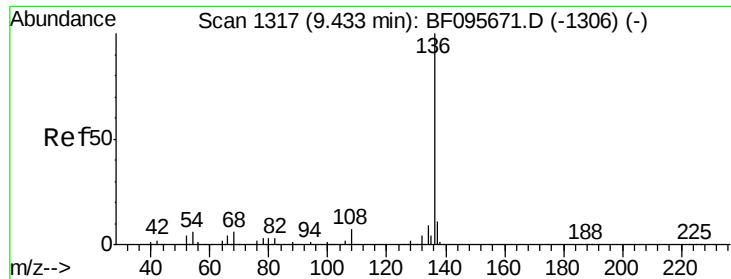
Delta R.T. -0.02 min

Lab File: BF095721.D

Acq: 6 Jun 2017 21:36

Tgt Ion:	94	Resp:	25908
Ion	Ratio	Lower	Upper
94	100		
65	30.6	9.9	49.9
66	52.0	23.1	63.1





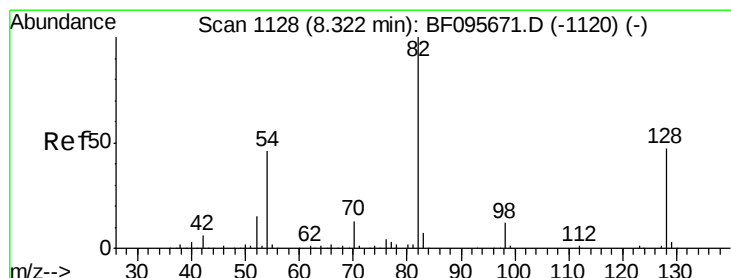
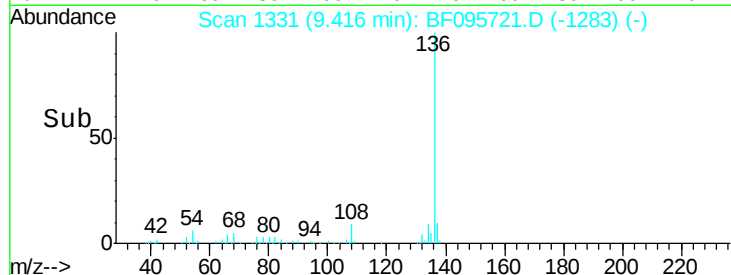
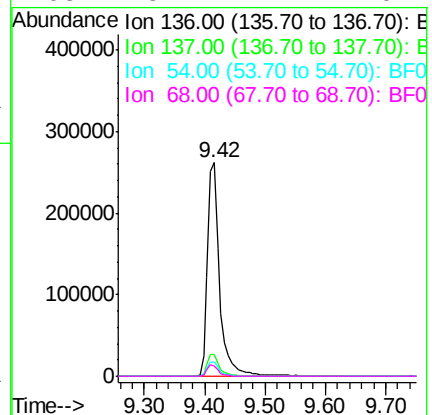
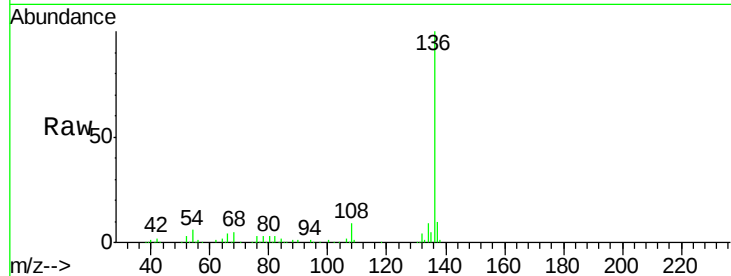
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 9.42 min Scan# 1331
Delta R.T. -0.02 min
Lab File: BF095721.D
Acq: 6 Jun 2017 21:36

Instrument :
BNA_F
ClientSampleId :
R1-SB-4D12RE

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	366387		
137	10.3	8.5	12.7	
54	6.3	4.9	7.3	
68	5.1	4.1	6.1	

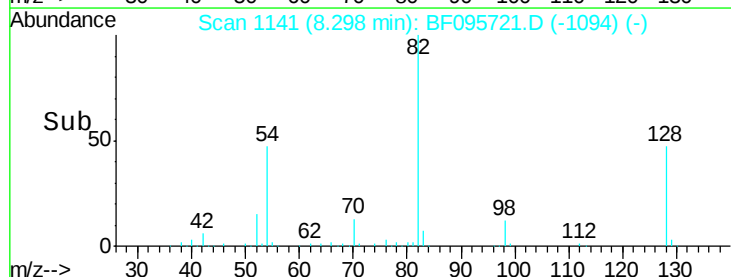
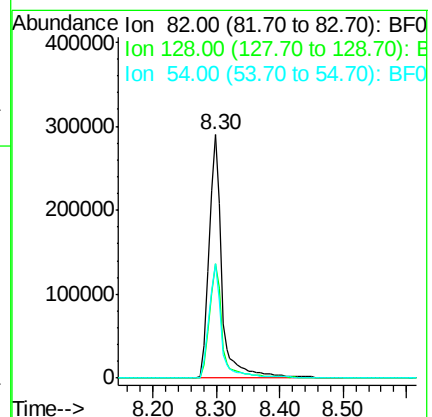
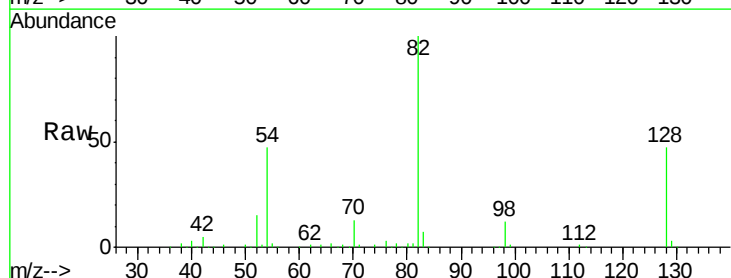
Manual Integrations
APPROVED

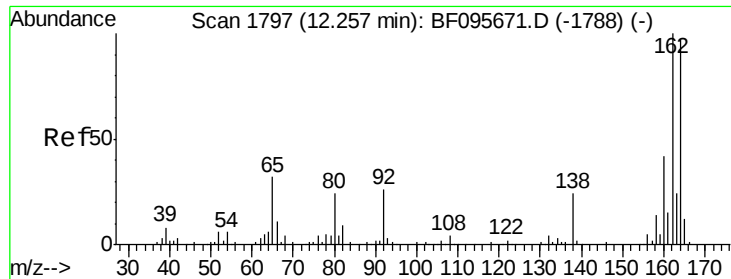
mohammad
6/7/2017 3:53:09 PM



#23
Nitrobenzene-d5
Concen: 68.916 ng
RT: 8.30 min Scan# 1141
Delta R.T. -0.02 min
Lab File: BF095721.D
Acq: 6 Jun 2017 21:36

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	406570		
128	47.1	34.0	51.0	
54	47.1	42.2	63.2	





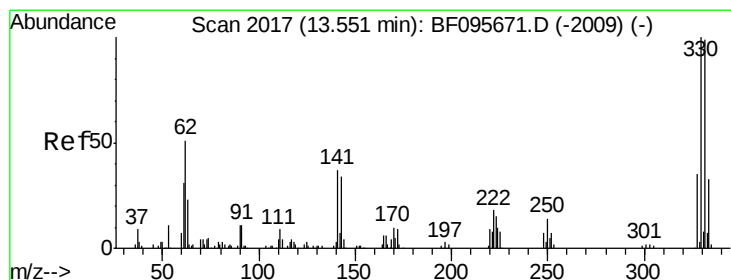
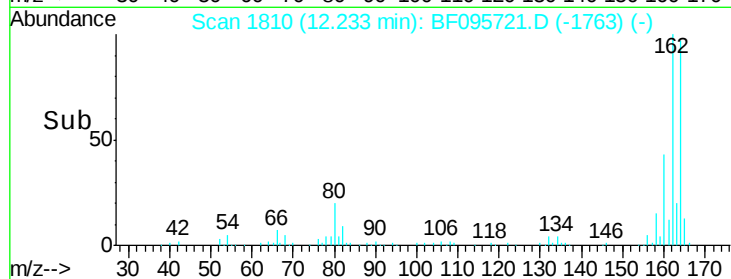
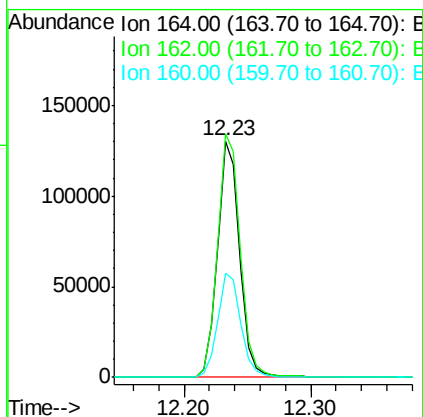
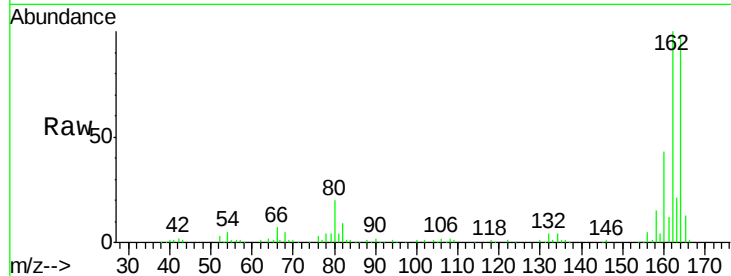
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 12.23 min Scan# 1810
Delta R.T. -0.02 min
Lab File: BF095721.D
Acq: 6 Jun 2017 21:36

Instrument :
BNA_F
ClientSampleId :
R1-SB-4D12RE

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	159368		
162	103.1	82.6	123.8	
160	44.2	36.2	54.2	

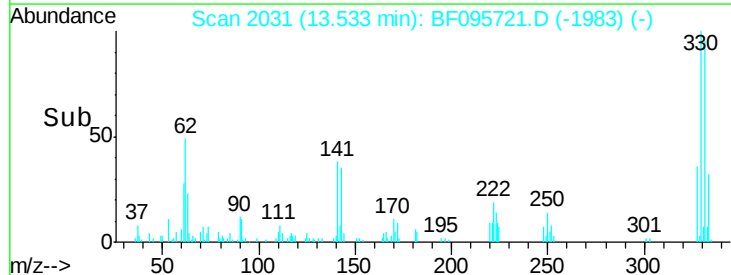
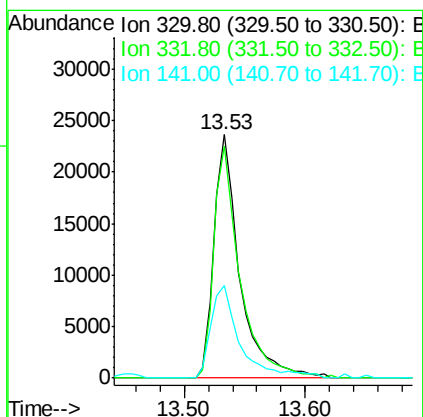
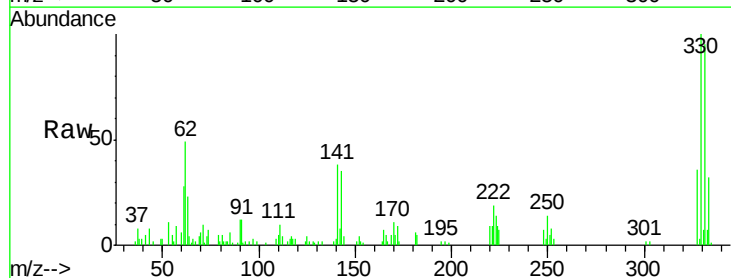
Manual Integrations
APPROVED

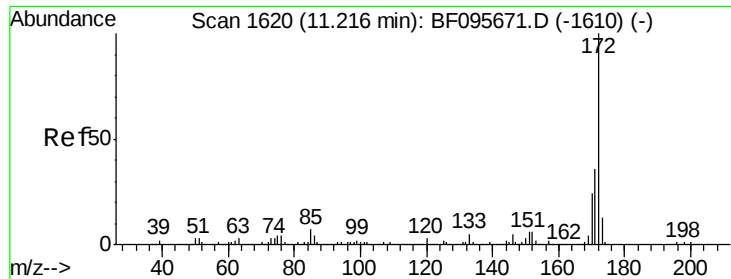
mohammad
6/7/2017 3:53:09 PM



#41
2,4,6-Tribromophenol
Concen: 24.734 ng
RT: 13.53 min Scan# 2031
Delta R.T. -0.02 min
Lab File: BF095721.D
Acq: 6 Jun 2017 21:36

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	34876		
332	96.3	76.6	115.0	
141	42.7	31.4	47.2	





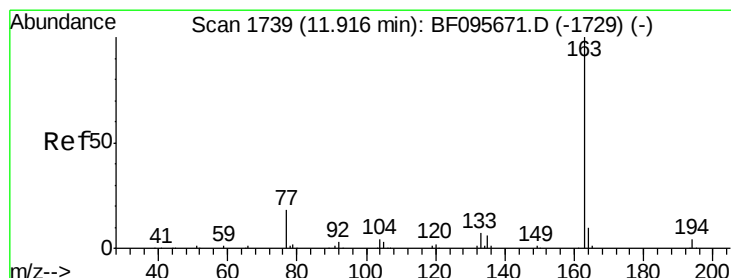
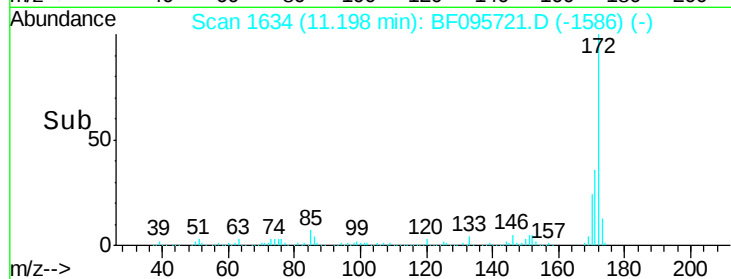
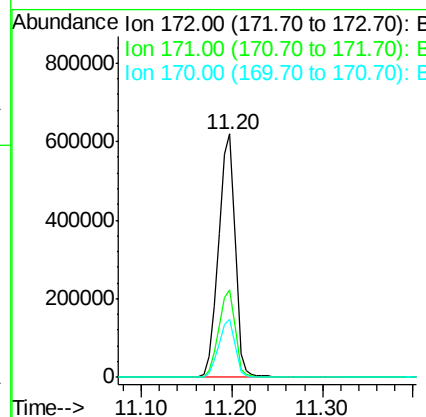
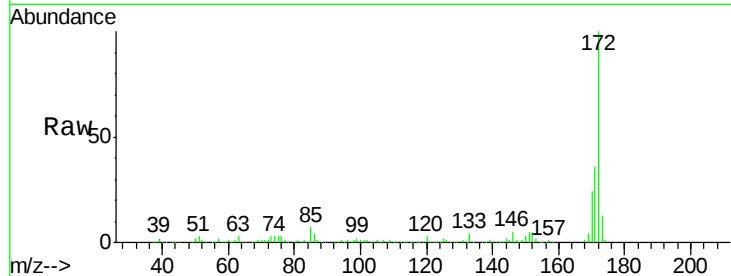
#44
2-Fluorobiphenyl
Concen: 68.603 ng
RT: 11.20 min Scan# 1634
Delta R.T. -0.02 min
Lab File: BF095721.D
Acq: 6 Jun 2017 21:36

Instrument :
BNA_F
ClientSampleId :
R1-SB-4D12RE

Tgt Ion	Ratio	Resp Lower	Resp Upper
172	100		
171	36.1	29.6	44.4
170	23.8	19.8	29.8

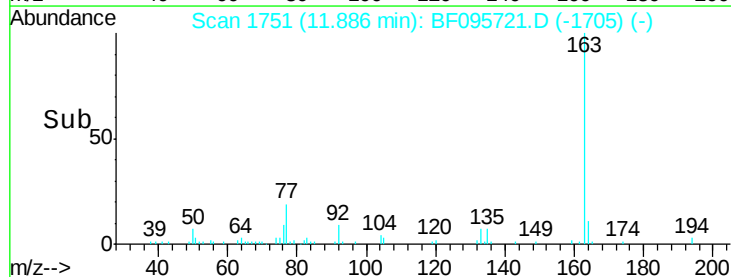
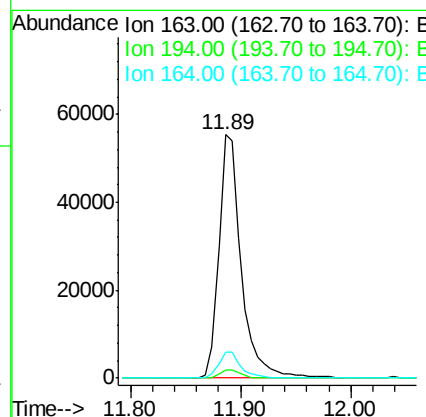
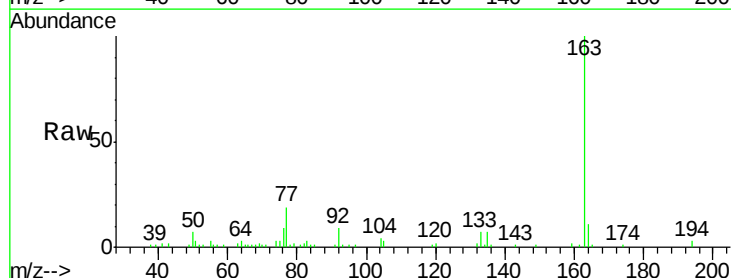
Manual Integrations
APPROVED

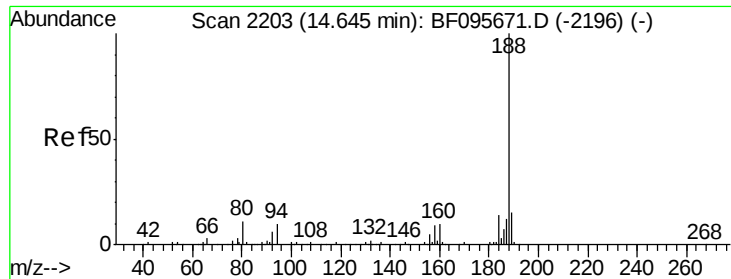
mohammad
6/7/2017 3:53:09 PM



#49
Dimethylphthalate
Concen: 6.411 ng
RT: 11.89 min Scan# 1751
Delta R.T. -0.03 min
Lab File: BF095721.D
Acq: 6 Jun 2017 21:36

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	3.4	2.6	4.0
164	10.9	8.4	12.6





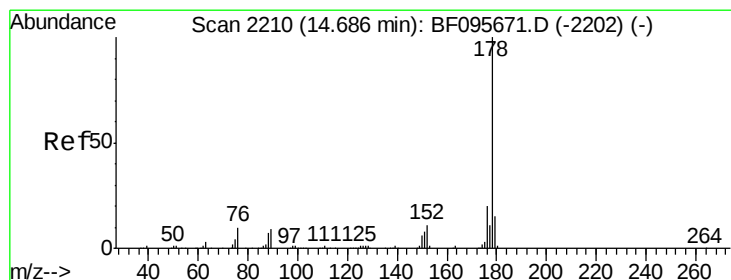
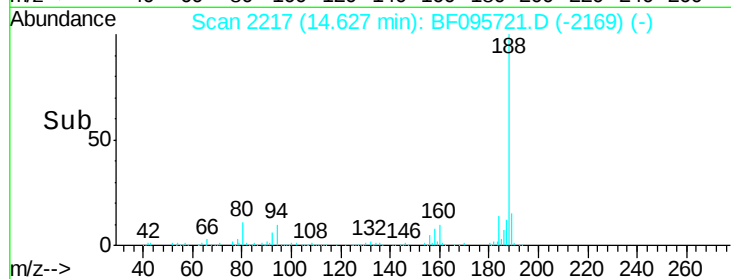
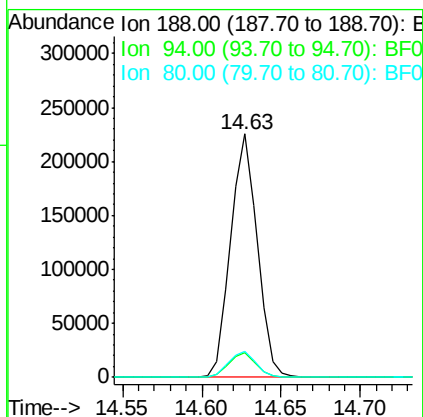
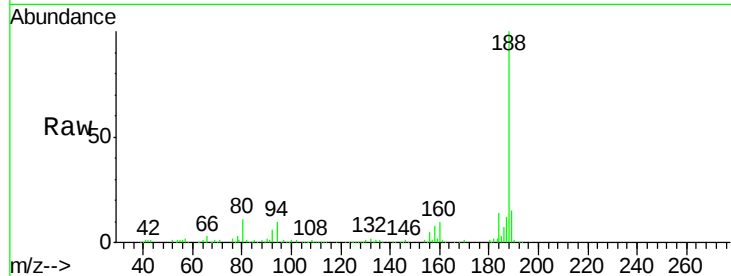
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 14.63 min Scan# 2217
Delta R.T. -0.02 min
Lab File: BF095721.D
Acq: 6 Jun 2017 21:36

Instrument :
BNA_F
ClientSampleId :
R1-SB-4D12RE

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	10.3	9.4	14.2
80	10.6	10.2	15.2

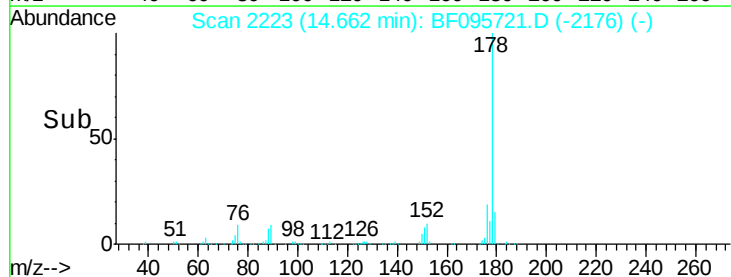
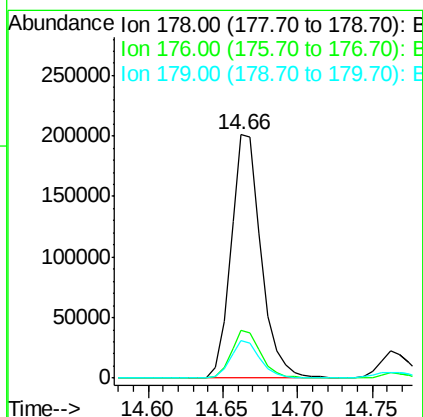
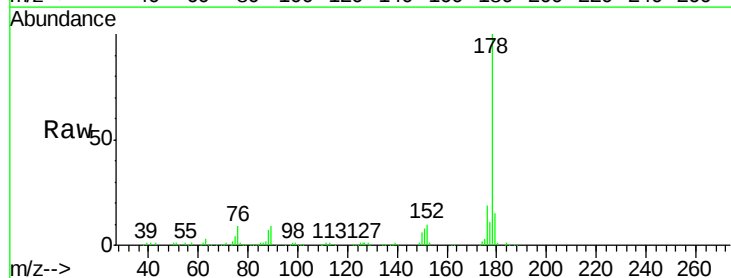
Manual Integrations
APPROVED

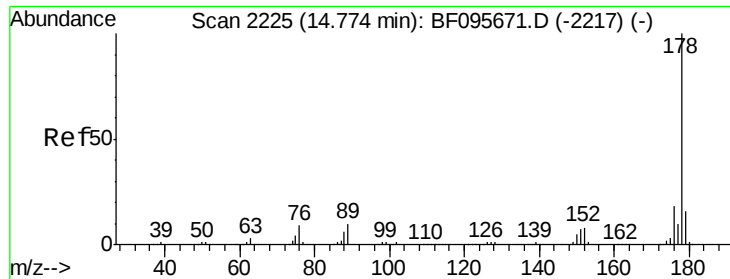
mohammad
6/7/2017 3:53:09 PM



#70
Phenanthrene
Concen: 18.589 ng
RT: 14.66 min Scan# 2223
Delta R.T. -0.02 min
Lab File: BF095721.D
Acq: 6 Jun 2017 21:36

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.4	16.2	24.4
179	15.4	12.6	19.0





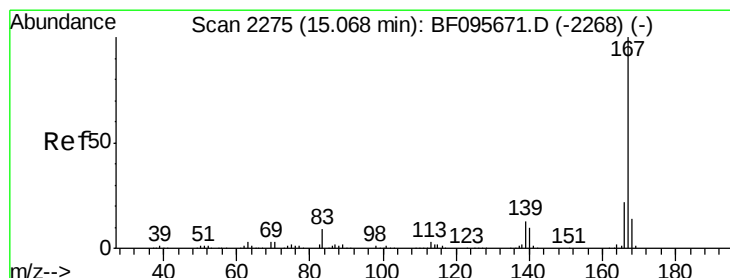
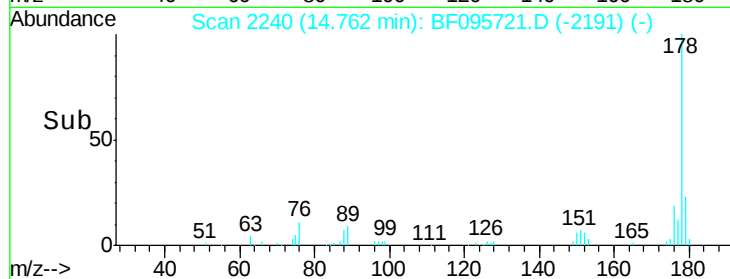
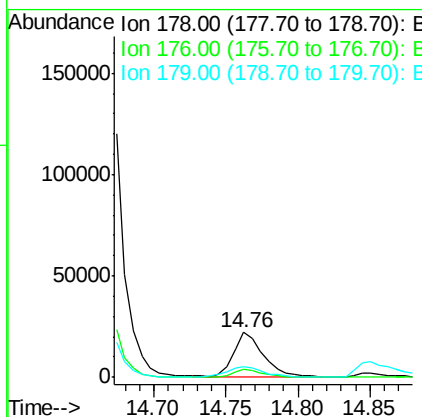
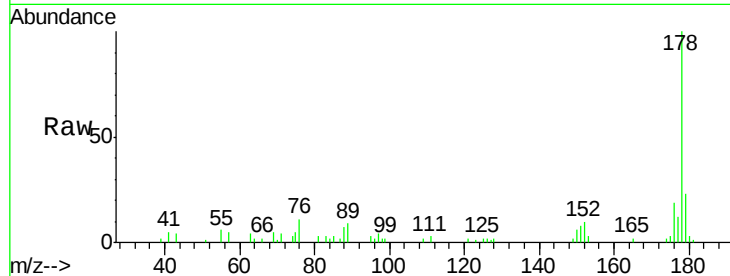
#71
 Anthracene
 Concen: 2.101 ng m
 RT: 14.76 min Scan# 2240
 Delta R.T. -0.01 min
 Lab File: BF095721.D
 Acq: 6 Jun 2017 21:36

Instrument :
 BNA_F
 ClientSampleId :
 R1-SB-4D12RE

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.8	23.8
179	23.1	12.7	19.1

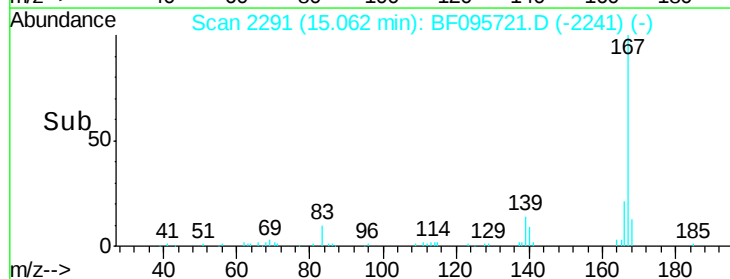
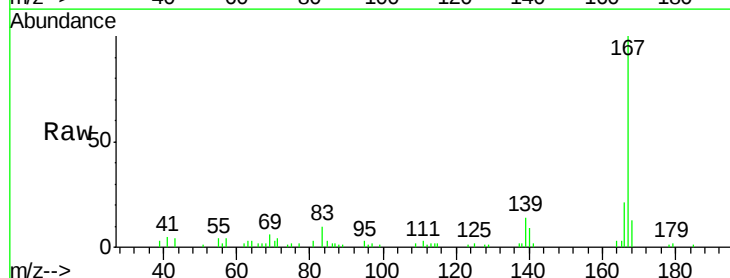
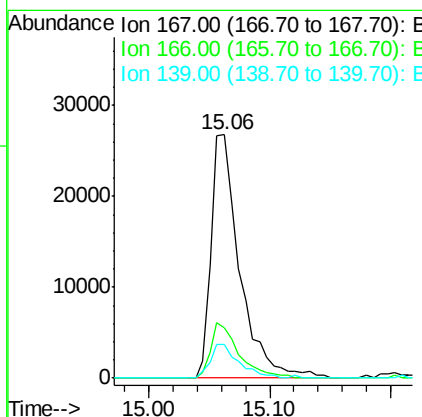
Manual Integrations
 APPROVED

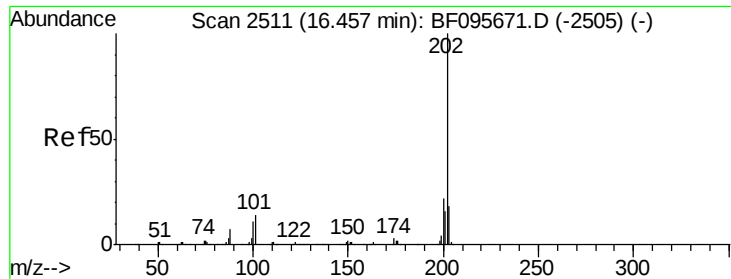
mohammad
 6/7/2017 3:53:09 PM



#72
 Carbazole
 Concen: 2.833 ng
 RT: 15.06 min Scan# 2291
 Delta R.T. -0.01 min
 Lab File: BF095721.D
 Acq: 6 Jun 2017 21:36

Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.9	18.1	27.1
139	14.0	11.7	17.5





#74

Fluoranthene

Concen: 29.341 ng

RT: 16.44 min Scan# 2526

Delta R.T. -0.01 min

Lab File: BF095721.D

Acq: 6 Jun 2017 21:36

Instrument :

BNA_F

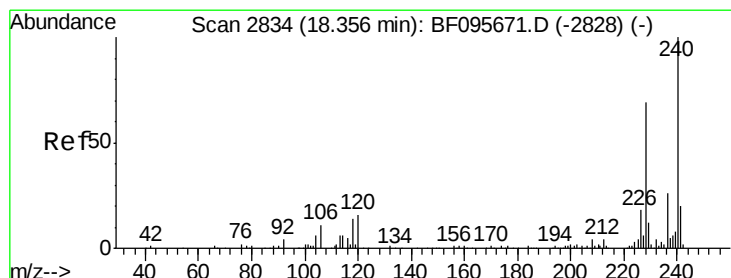
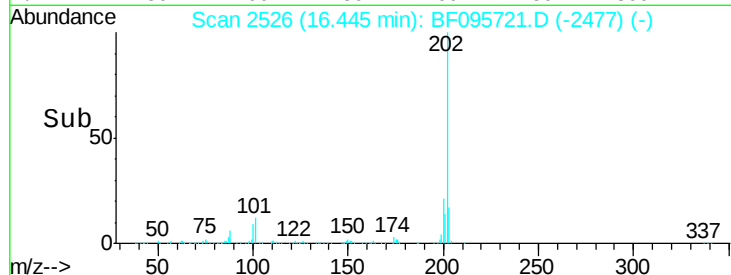
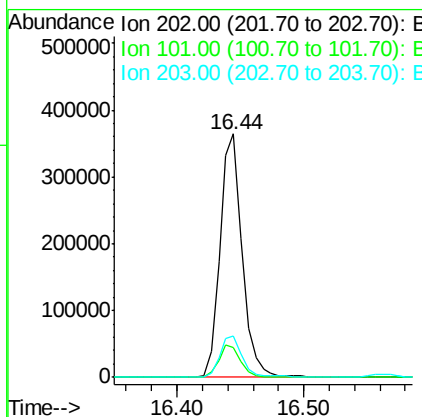
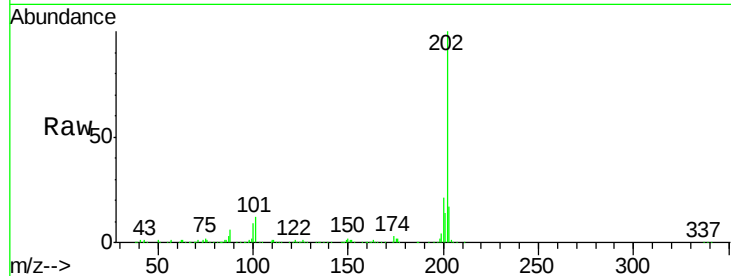
ClientSampleId :

R1-SB-4D12RE

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		441119		
101	12.3	0.0	33.2		
203	17.0	0.0	38.1		

Manual Integrations
APPROVED

mohammad
6/7/2017 3:53:09 PM



#75

Chrysene-d12

Concen: 20.000 ng

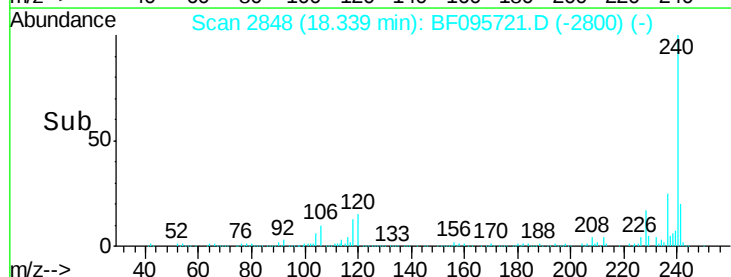
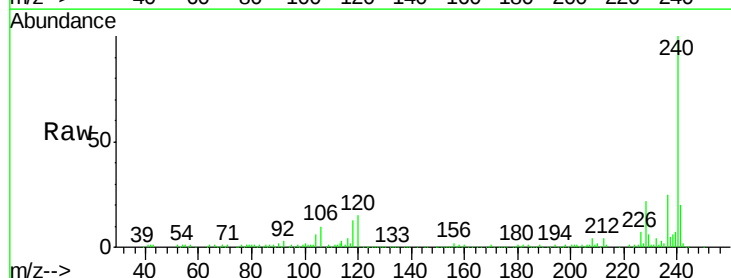
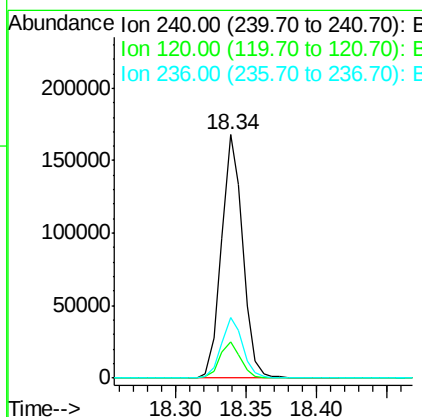
RT: 18.34 min Scan# 2848

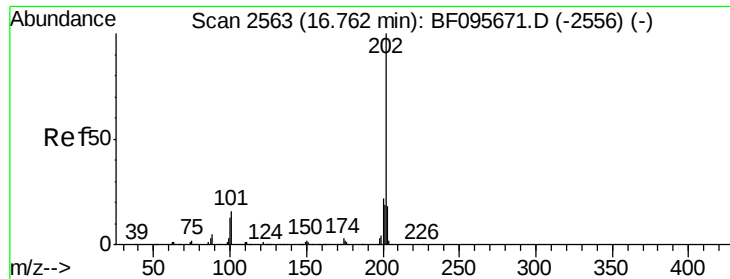
Delta R.T. -0.02 min

Lab File: BF095721.D

Acq: 6 Jun 2017 21:36

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		175943		
120	14.7	5.8	8.8#		
236	24.8	20.5	30.7		





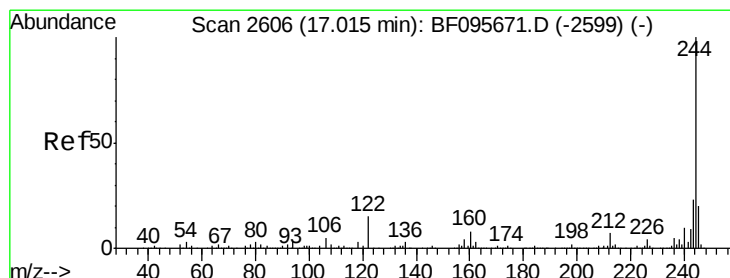
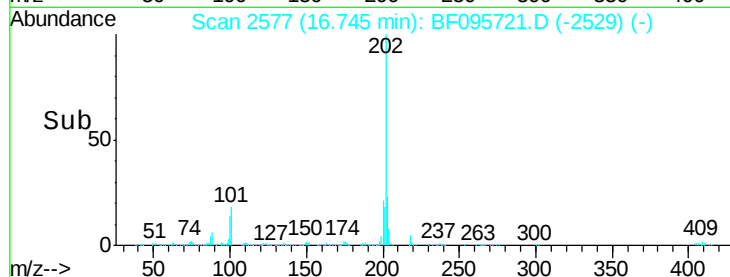
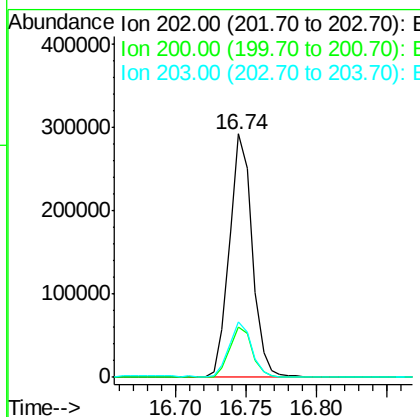
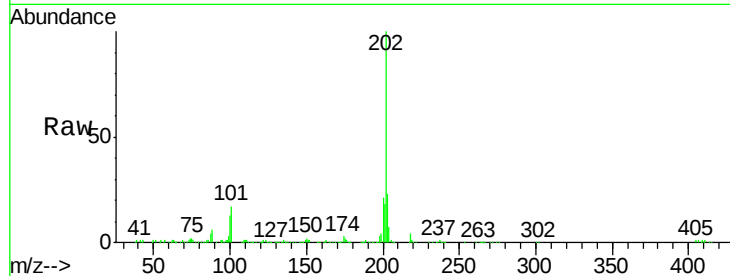
#77
 Pyrene
 Concen: 25.001 ng
 RT: 16.74 min Scan# 2577
 Delta R.T. -0.02 min
 Lab File: BF095721.D
 Acq: 6 Jun 2017 21:36

Instrument :
 BNA_F
 ClientSampleId :
 R1-SB-4D12RE

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	20.6	17.6	26.4
203	22.7	14.4	21.6

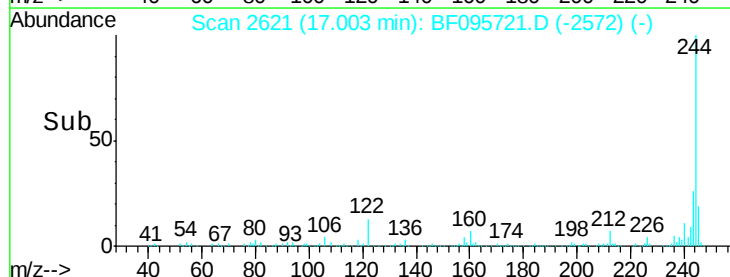
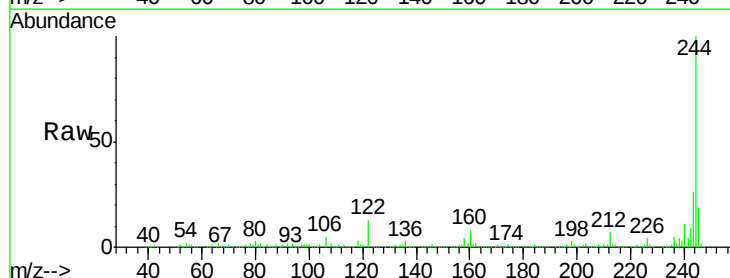
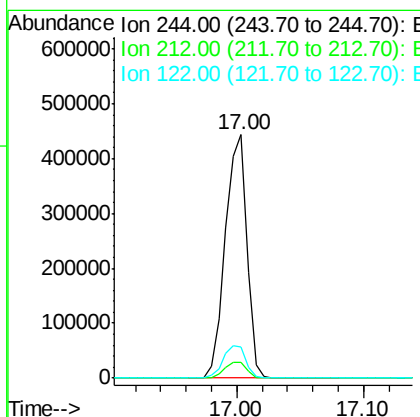
Manual Integrations
 APPROVED

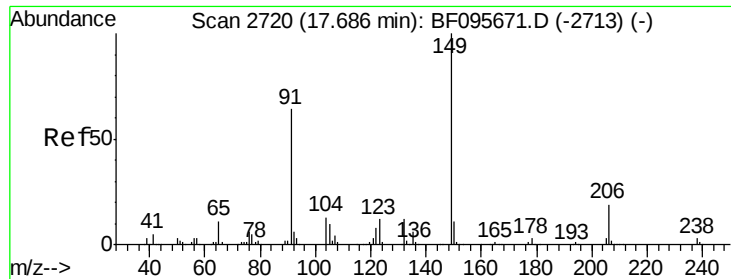
mohammad
 6/7/2017 3:53:09 PM



#78
 Terphenyl-d14
 Concen: 73.879 ng
 RT: 17.00 min Scan# 2621
 Delta R.T. -0.01 min
 Lab File: BF095721.D
 Acq: 6 Jun 2017 21:36

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	6.7	6.0	9.0
122	12.9	10.3	15.5





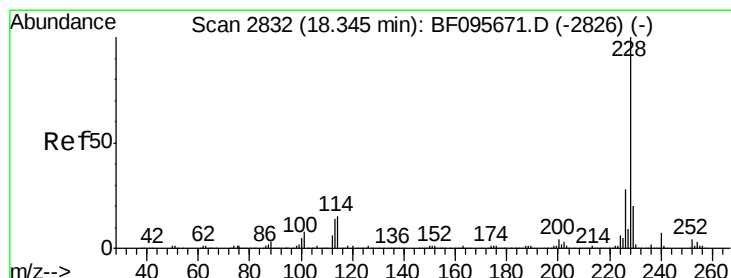
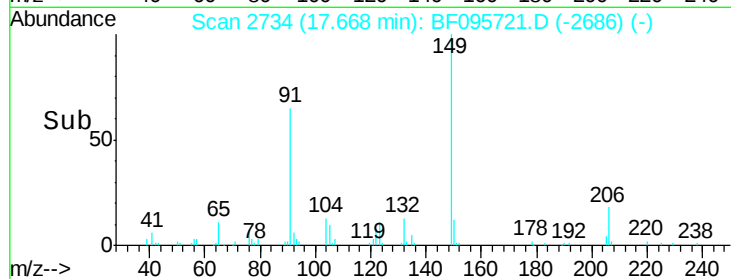
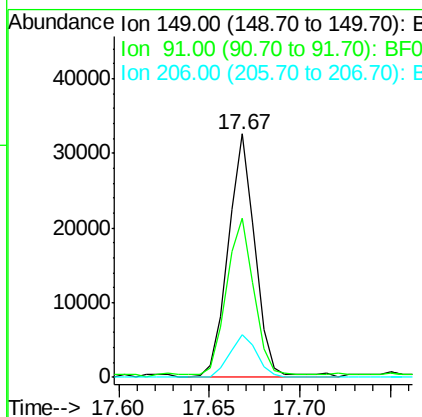
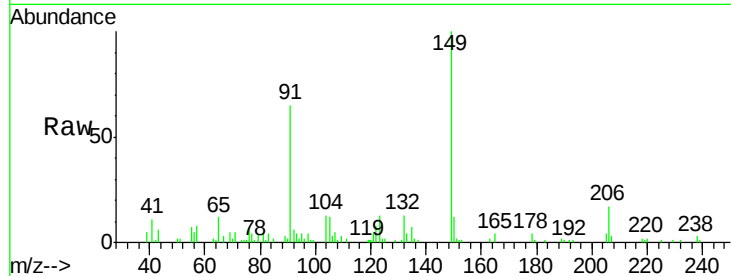
#79
Butylbenzylphthalate
Concen: 5.898 ng
RT: 17.67 min Scan# 2734
Delta R.T. -0.02 min
Lab File: BF095721.D
Acq: 6 Jun 2017 21:36

Instrument :
BNA_F
ClientSampleId :
R1-SB-4D12RE

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	33815		
91	65.2	45.0	67.4	
206	17.5	17.0	25.6	

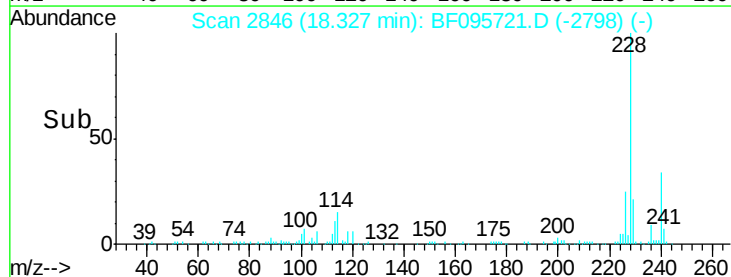
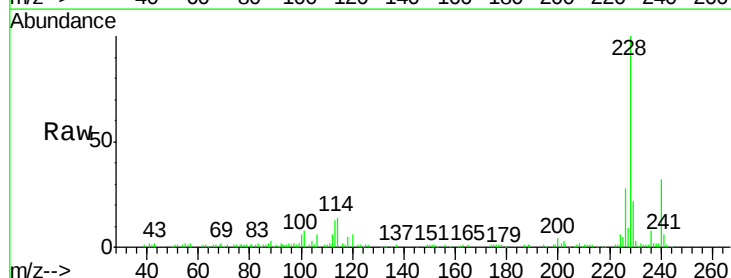
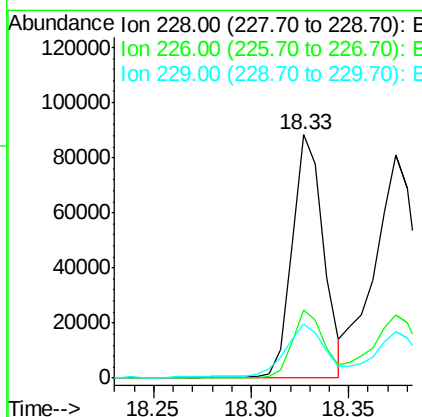
Manual Integrations
APPROVED

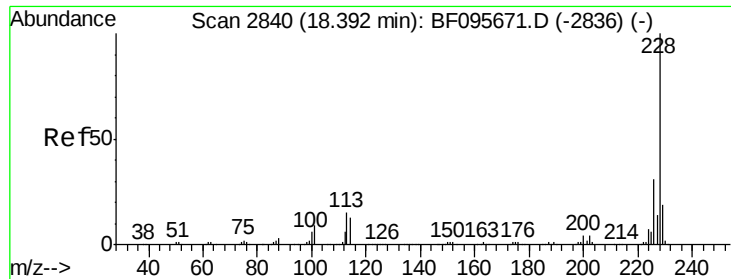
mohammad
6/7/2017 3:53:09 PM



#80
Benzo(a)anthracene
Concen: 9.626 ng
RT: 18.33 min Scan# 2846
Delta R.T. -0.02 min
Lab File: BF095721.D
Acq: 6 Jun 2017 21:36

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	98472		
226	28.0	22.6	33.8	
229	22.1	16.3	24.5	





#82

Chrysene

Concen: 12.404 ng m

RT: 18.37 min Scan# 2854

Delta R.T. -0.02 min

Lab File: BF095721.D

Acq: 6 Jun 2017 21:36

Instrument :

BNA_F

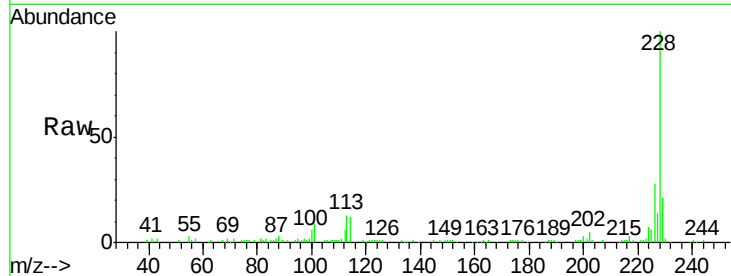
ClientSampleId :

R1-SB-4D12RE

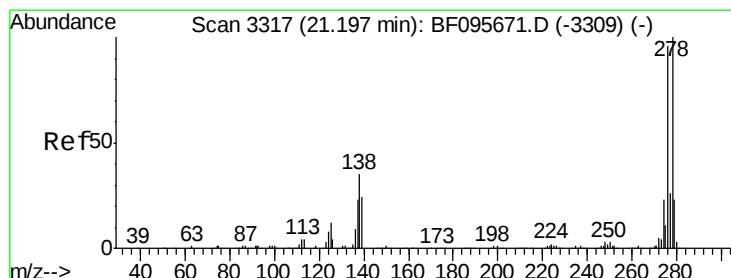
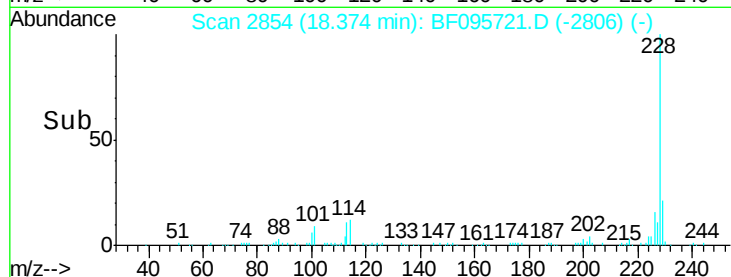
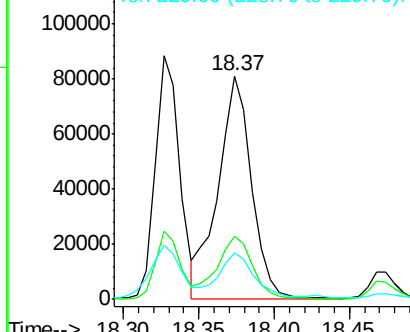
Tgt Ion:	228	Resp:	126806
Ion Ratio	Lower	Upper	
228	100		
226	28.1	24.9	37.3
229	20.5	15.8	23.6

Manual Integrations
APPROVED

mohammad
6/7/2017 3:53:09 PM



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 6.432 ng

RT: 21.19 min Scan# 3333

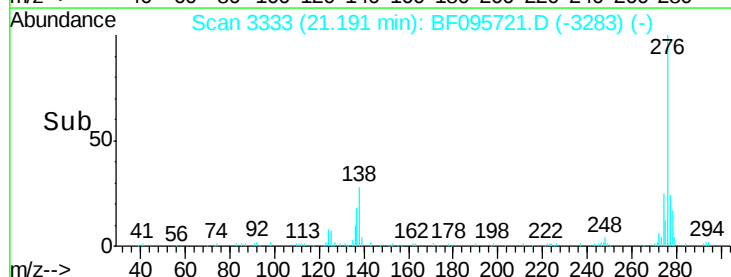
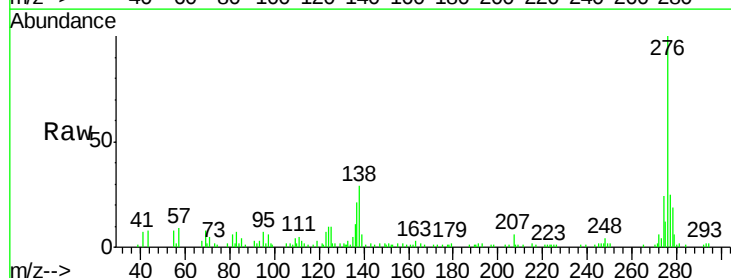
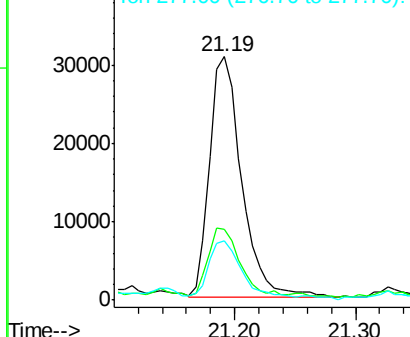
Delta R.T. -0.01 min

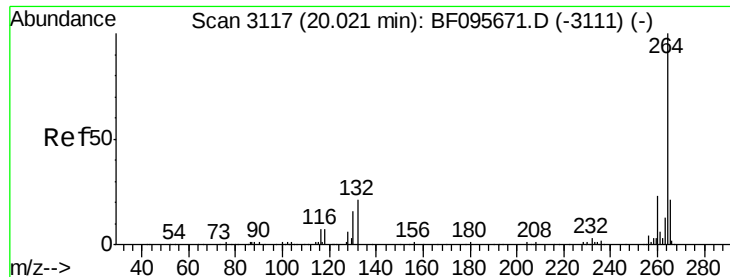
Lab File: BF095721.D

Acq: 6 Jun 2017 21:36

Tgt Ion:	276	Resp:	56259
Ion Ratio	Lower	Upper	
276	100		
138	28.0	27.8	41.6
277	23.3	20.2	30.4

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: 20.000 ng

RT: 20.01 min Scan# 3132

Delta R.T. -0.01 min

Lab File: BF095721.D

Acq: 6 Jun 2017 21:36

Instrument :

BNA_F

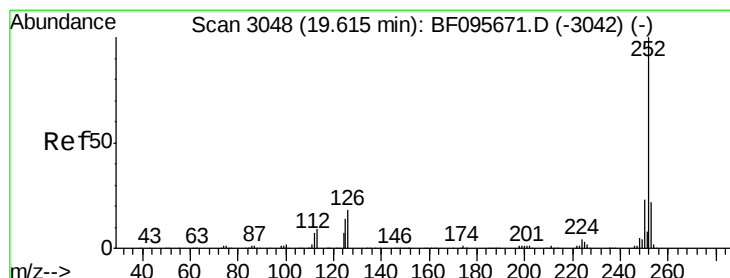
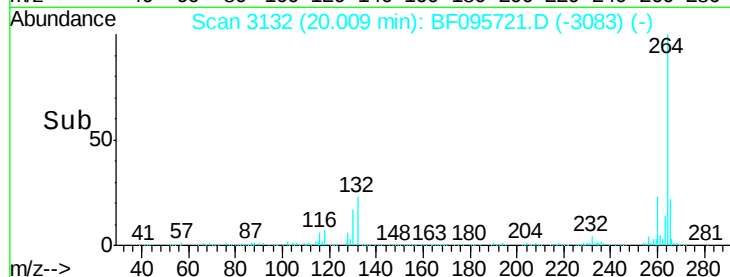
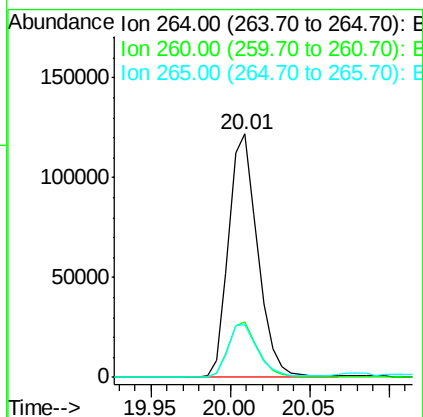
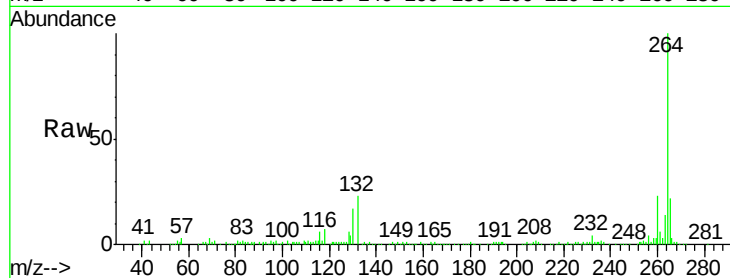
ClientSampleId :

R1-SB-4D12RE

Tgt Ion:	264	Resp:	155748
Ion Ratio		Lower	Upper
264	100		
260	22.8	19.5	29.3
265	21.7	17.2	25.8

Manual Integrations
APPROVED

mohammad
6/7/2017 3:53:09 PM



#87

Benzo(b)fluoranthene

Concen: 14.794 ng

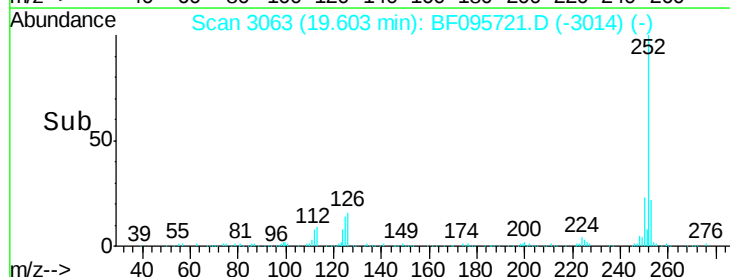
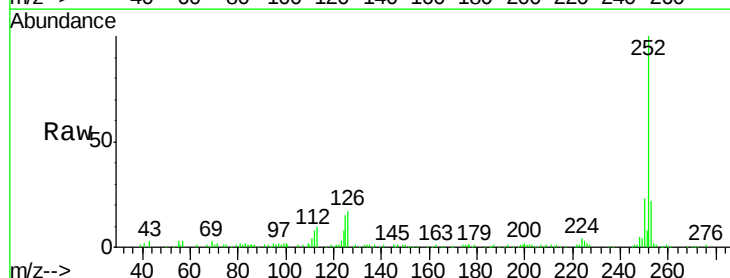
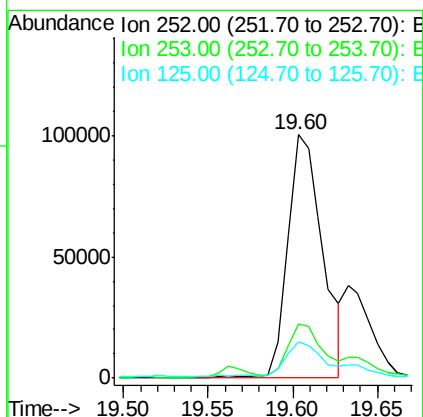
RT: 19.60 min Scan# 3063

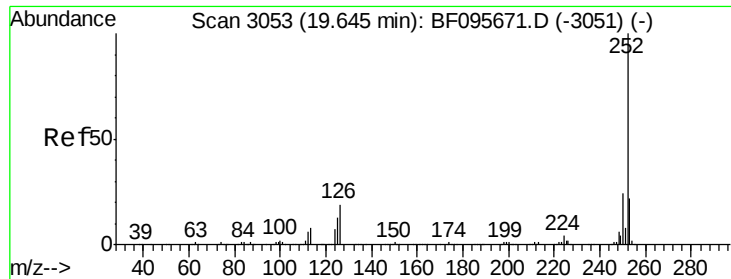
Delta R.T. -0.01 min

Lab File: BF095721.D

Acq: 6 Jun 2017 21:36

Tgt Ion:	252	Resp:	144278
Ion Ratio		Lower	Upper
252	100		
253	22.3	18.1	27.1
125	15.0	9.8	14.8#





#88
Benzo(k)fluoranthene
Concen: 4.787 ng m
RT: 19.63 min Scan# 3068
Delta R.T. -0.01 min
Lab File: BF095721.D
Acq: 6 Jun 2017 21:36

Instrument :
BNA_F
ClientSampleId :
R1-SB-4D12RE

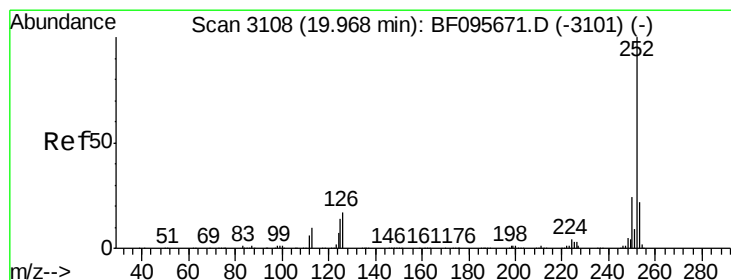
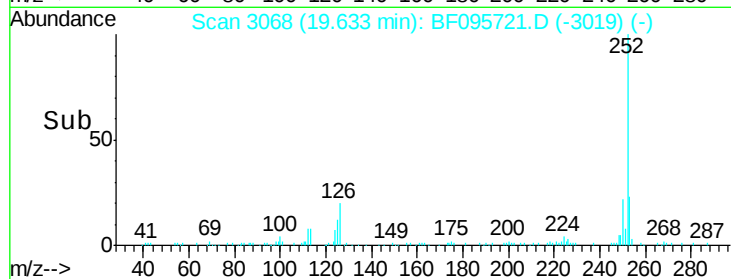
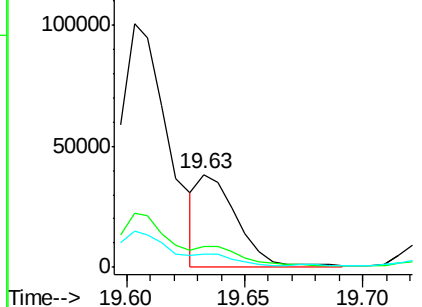
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.4	27.6
125	13.8	13.1	19.7

Manual Integrations
APPROVED

mohammad
6/7/2017 3:53:09 PM



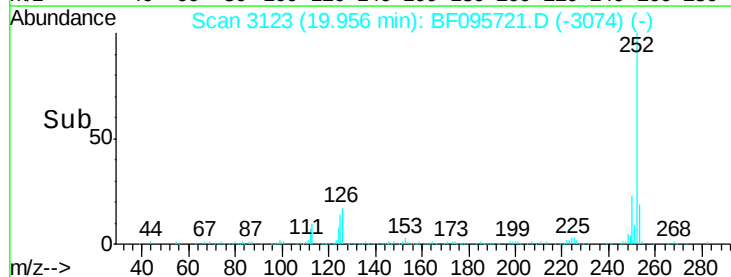
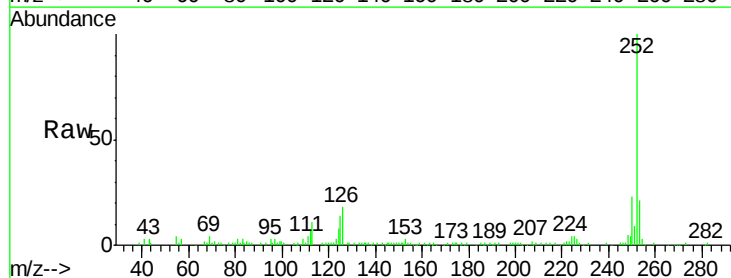
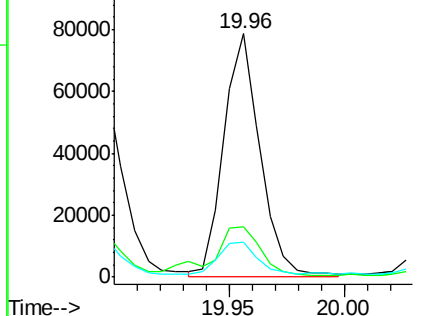
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

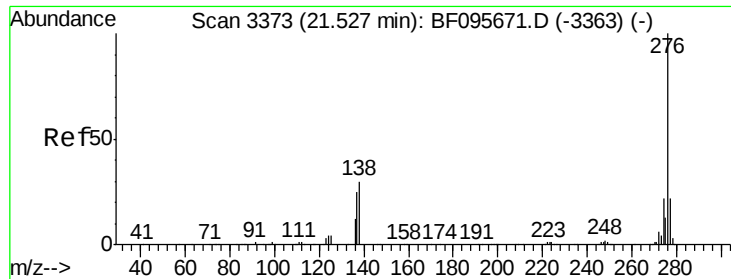


#89
Benzo(a)pyrene
Concen: 9.555 ng
RT: 19.96 min Scan# 3123
Delta R.T. -0.01 min
Lab File: BF095721.D
Acq: 6 Jun 2017 21:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.9	17.5	26.3
125	14.5	11.0	16.4

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





#91
 Benzo(g,h,i)perylene
 Concen: 6.955 ng
 RT: 21.52 min Scan# 3389
 Delta R.T. -0.01 min
 Lab File: BF095721.D
 Acq: 6 Jun 2017 21:36

Instrument :
 BNA_F
 ClientSampleId :
 R1-SB-4D12RE

Tgt Ion:	276	Resp:	53911
Ion Ratio		Lower	Upper
276	100		
277	26.2	18.6	28.0
138	29.2	25.4	38.0

Manual Integrations
 APPROVED

mohammad
 6/7/2017 3:53:09 PM

