

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060617\
 Data File : BF095742.D
 Acq On : 7 Jun 2017 11:29
 Operator : SJ/MA
 Sample : I3469-01
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

mohammad
 6/7/2017 2:19:36 PM

Quant Time: Jun 07 13:51:45 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	7.39	152	73462	20.00	ng	-0.01
21) Naphthalene-d8	9.41	136	276545	20.00	ng	-0.02
38) Acenaphthene-d10	12.23	164	106908	20.00	ng	-0.02
63) Phenanthrene-d10	14.63	188	161661	20.00	ng	-0.02
75) Chrysene-d12	18.34	240	143465	20.00	ng	-0.01
86) Perylene-d12	20.01	264	99908	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	695412	150.84	ng	0.00
7) Phenol-d6	6.95	99	814433	147.56	ng	0.00
23) Nitrobenzene-d5	8.30	82	454343	102.03	ng	-0.02
41) 2,4,6-Tribromophenol	13.53	330	120775	127.68	ng	-0.02
44) 2-Fluorobiphenyl	11.20	172	803402	104.58	ng	-0.02
78) Terphenyl-d14	17.00	244	518062	89.62	ng	-0.01
Target Compounds						
10) Phenol	6.96	94	12034	2.102	ng	Qvalue # 74
49) Dimethylphthalate	11.89	163	120050	14.790	ng	99
70) Phenanthrene	14.67	178	25161	2.697	ng	96
74) Fluoranthene	16.44	202	74674	8.088	ng	98
77) Pyrene	16.74	202	67579	6.313	ng	96
80) Benzo(a)anthracene	18.33	228	38578	4.625	ng	94
82) Chrysene	18.38	228	35613	4.272	ng	97
85) Indeno(1,2,3-cd)pyrene	21.19	276	21679	3.040	ng	97
87) Benzo(b)fluoranthene	19.61	252	41538m	6.640	ng	
88) Benzo(k)fluoranthene	19.64	252	16754m	2.802	ng	
89) Benzo(a)pyrene	19.96	252	32491	5.651	ng	97
91) Benzo(g,h,i)perylene	21.53	276	21880	4.400	ng	98

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

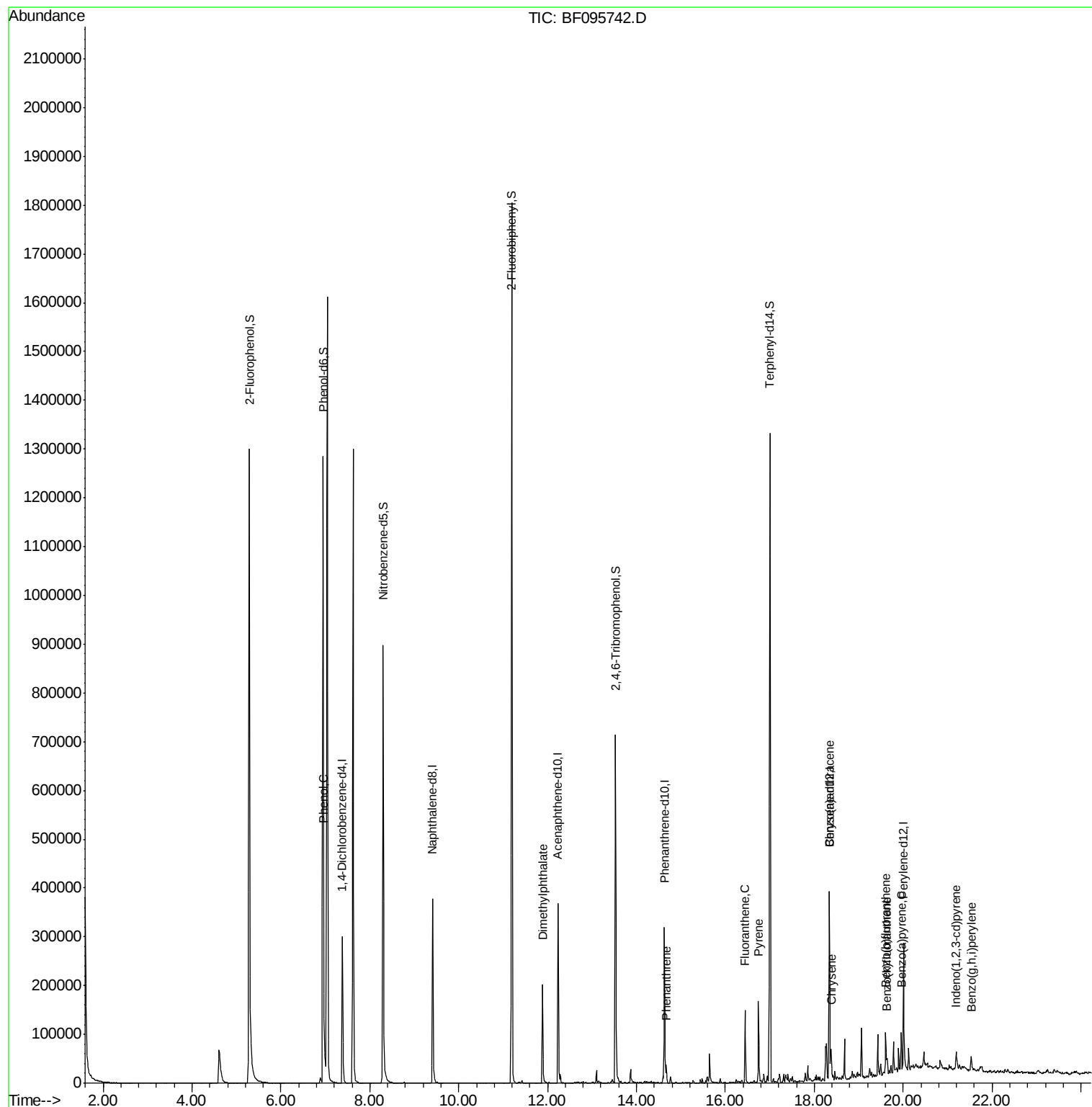
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060617\
Data File : BF095742.D
Acq On : 7 Jun 2017 11:29
Operator : SJ/MA
Sample : I3469-01
Misc :
ALS Vial : 30 Sample Multiplier: 1

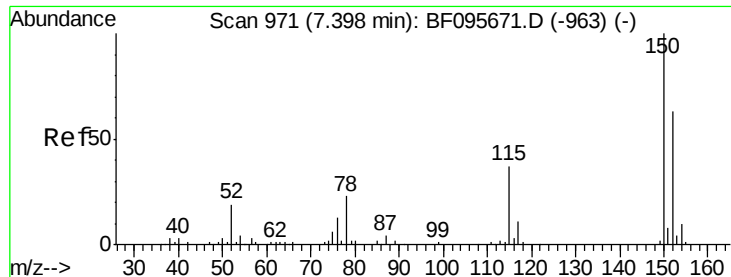
Instrument :
BNA_F
ClientSampleId :
SB-2(0-2)20170603

Manual Integrations
APPROVED

mohammad
6/7/2017 2:19:36 PM

Quant Time: Jun 07 13:51:45 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





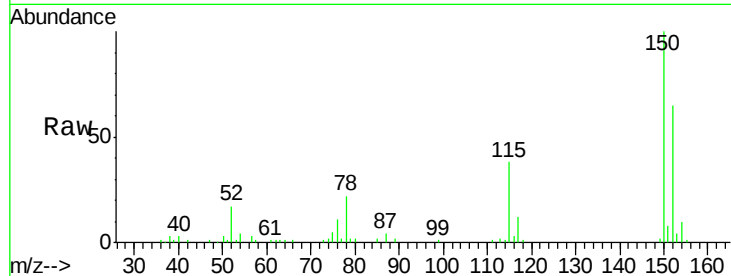
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.39 min Scan# 986
 Delta R.T. -0.01 min
 Lab File: BF095742.D
 Acq: 7 Jun 2017 11:29

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

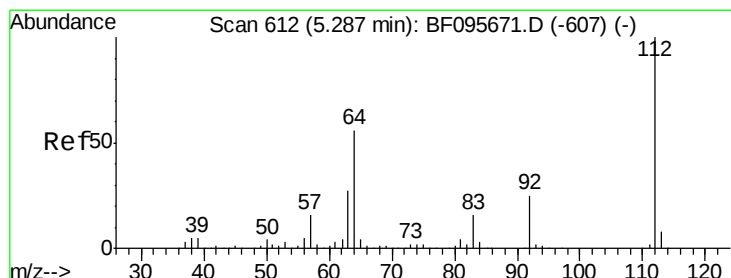
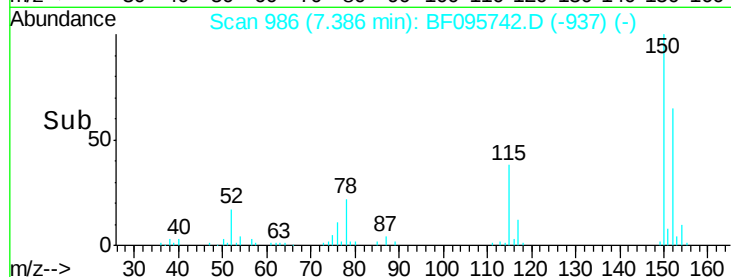
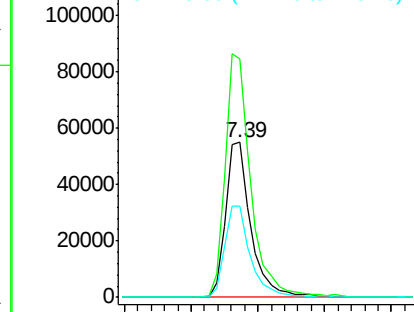
Tgt Ion	Ratio	Lower	Upper
152	100		
150	154.2	126.2	189.2
115	58.7	52.2	78.2

Manual Integrations
 APPROVED

mohammad
 6/7/2017 2:19:36 PM

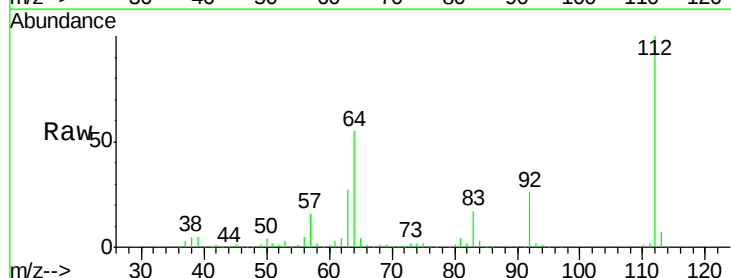


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

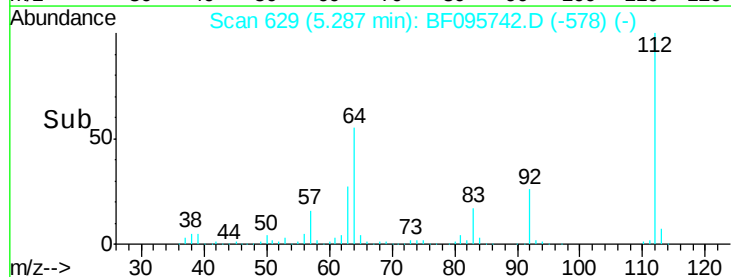
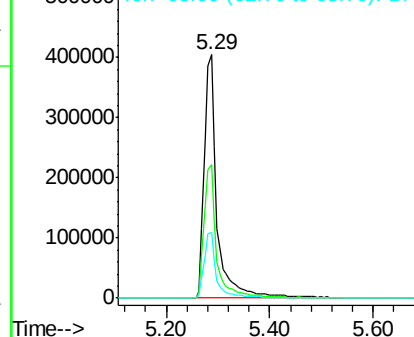


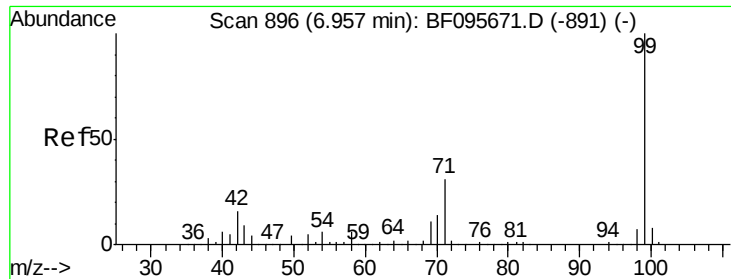
#5
 2-Fluorophenol
 Concen: 150.841 ng
 RT: 5.29 min Scan# 629
 Delta R.T. 0.00 min
 Lab File: BF095742.D
 Acq: 7 Jun 2017 11:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.0	46.0	69.0
63	27.0	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: 147.562 ng

RT: 6.95 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF095742.D

Acq: 7 Jun 2017 11:29

Instrument :

BNA_F

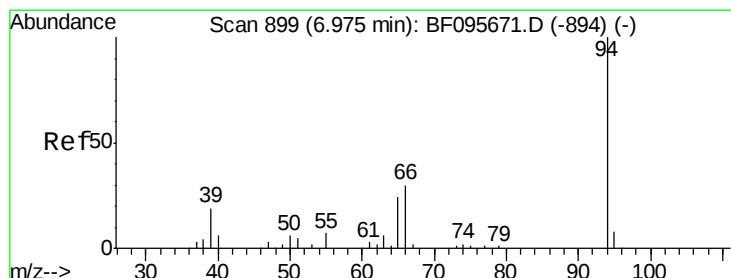
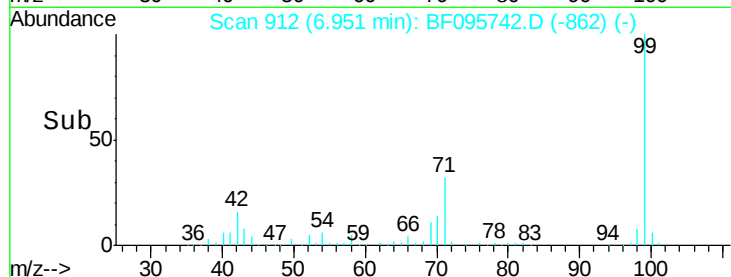
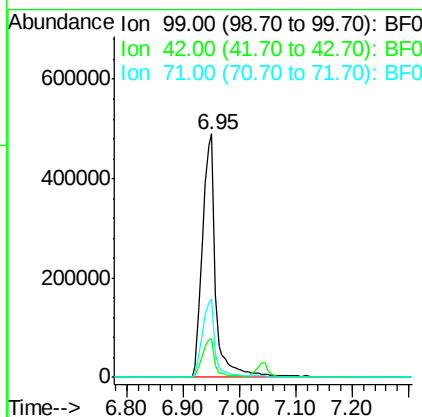
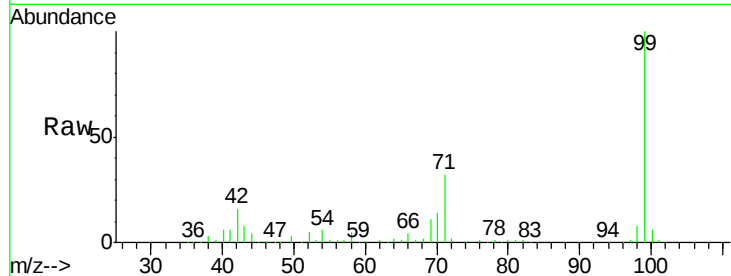
ClientSampleId :

SB-2(0-2)20170603

Tgt Ion:	99	Resp:	814433
Ion	Ratio	Lower	Upper
99	100		
42	15.9	13.5	20.3
71	32.1	24.5	36.7

Manual Integrations
APPROVED

mohammad
6/7/2017 2:19:36 PM



#10

Phenol

Concen: 2.102 ng

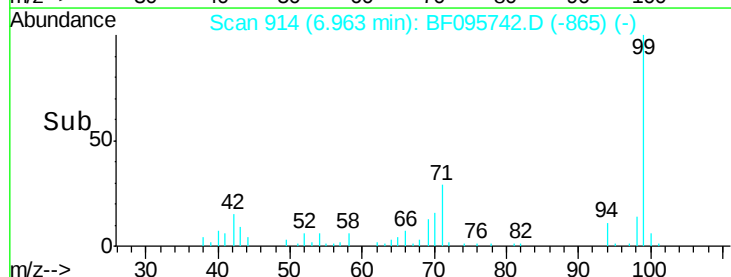
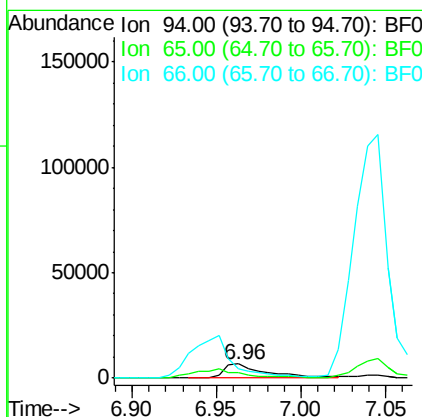
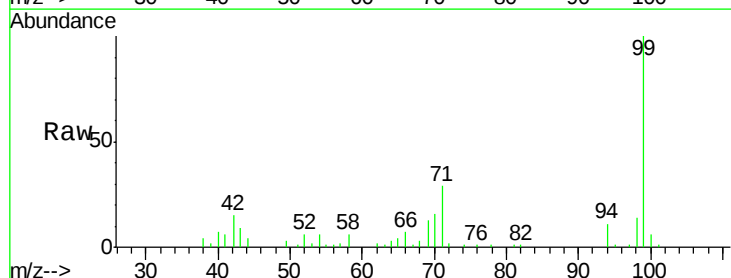
RT: 6.96 min Scan# 914

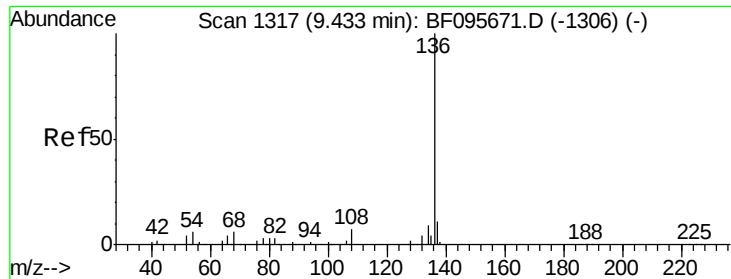
Delta R.T. -0.01 min

Lab File: BF095742.D

Acq: 7 Jun 2017 11:29

Tgt Ion:	94	Resp:	12034
Ion	Ratio	Lower	Upper
94	100		
65	35.7	9.9	49.9
66	66.8	23.1	63.1#





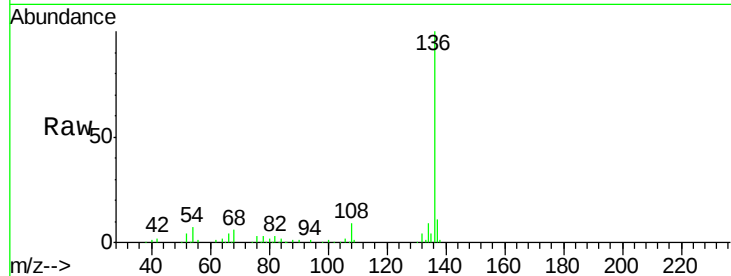
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 9.41 min Scan# 1330
Delta R.T. -0.02 min
Lab File: BF095742.D
Acq: 7 Jun 2017 11:29

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

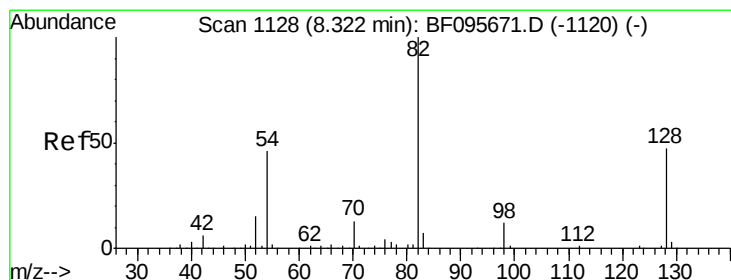
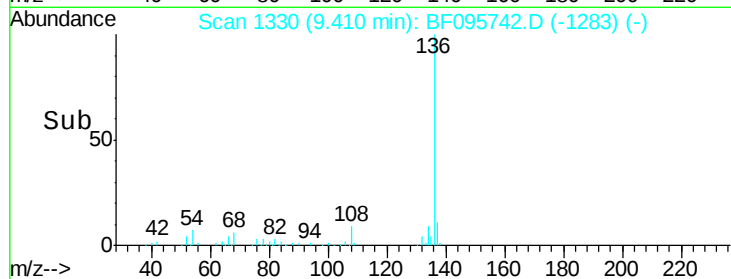
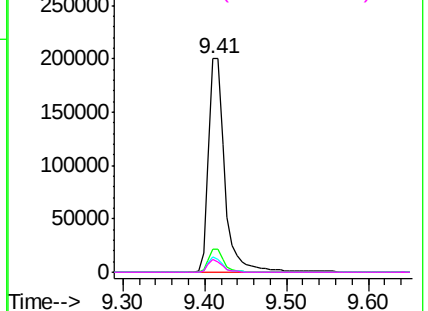
Tgt Ion	Ratio	Resp	Lower	Upper
136	100	276545		
137	10.7	8.5	12.7	
54	6.9	4.9	7.3	
68	6.0	4.1	6.1	

Manual Integrations
APPROVED

mohammad
6/7/2017 2:19:36 PM

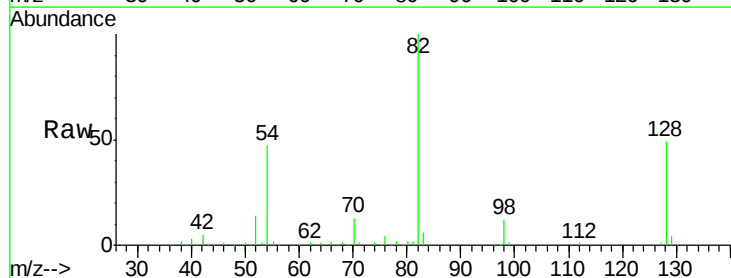


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

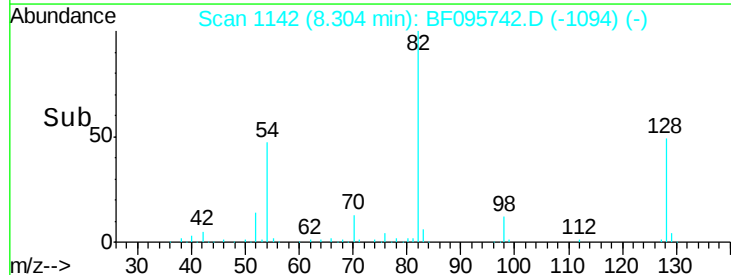
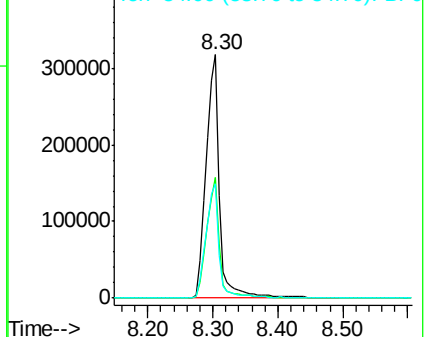


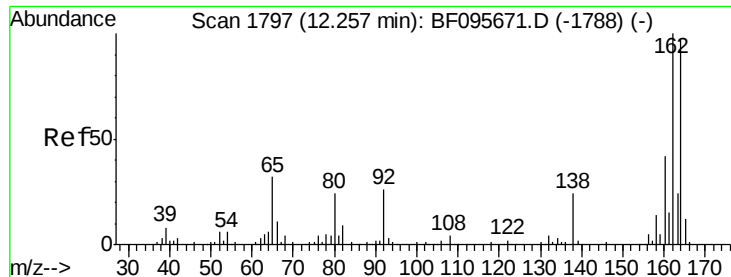
#23
Nitrobenzene-d5
Concen: 102.033 ng
RT: 8.30 min Scan# 1142
Delta R.T. -0.02 min
Lab File: BF095742.D
Acq: 7 Jun 2017 11:29

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	454343		
128	49.4	34.0	51.0	
54	46.7	42.2	63.2	



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0





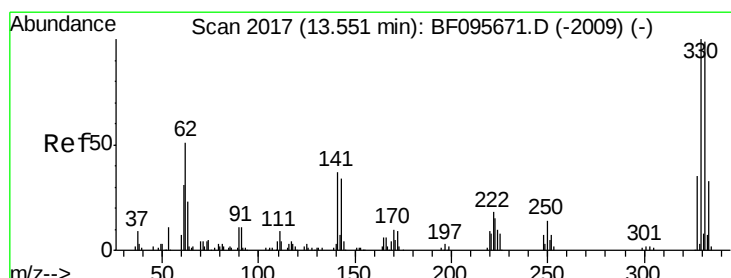
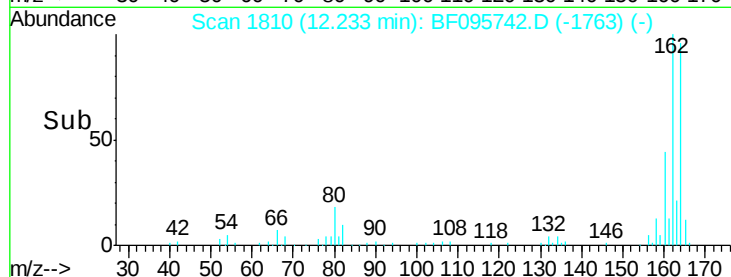
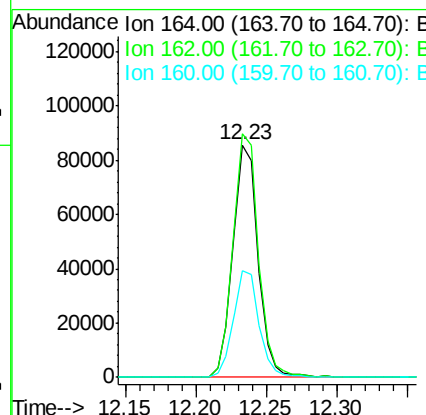
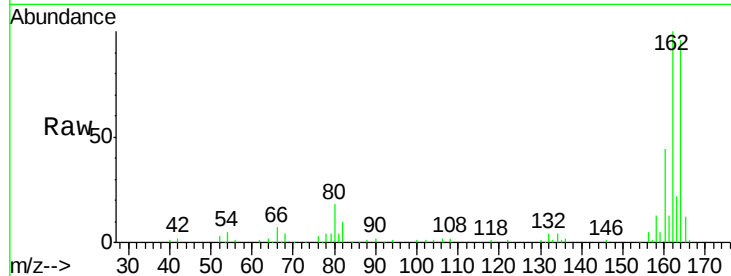
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 12.23 min Scan# 1810
 Delta R.T. -0.02 min
 Lab File: BF095742.D
 Acq: 7 Jun 2017 11:29

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

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	106908		
162	104.6	82.6	123.8	
160	45.6	36.2	54.2	

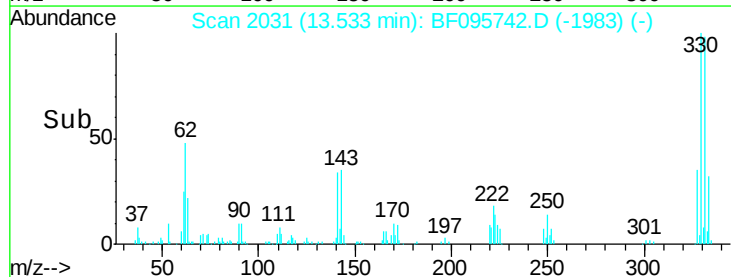
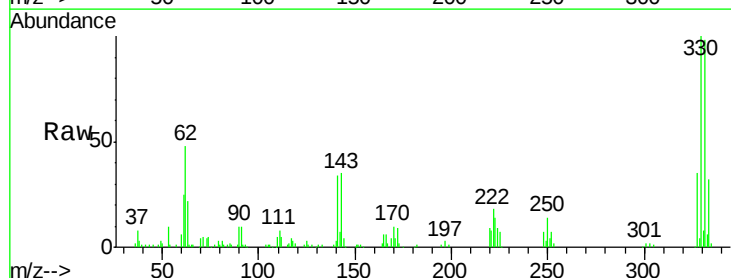
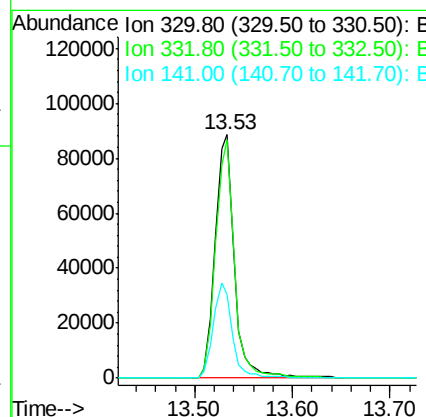
Manual Integrations
 APPROVED

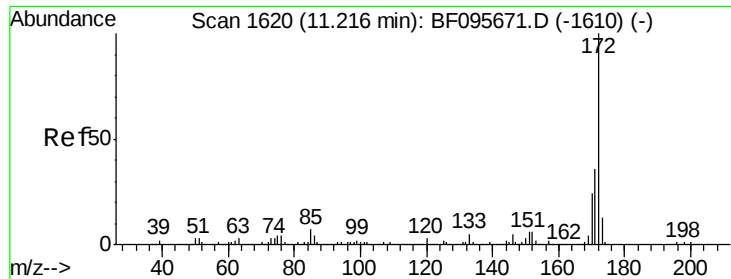
mohammad
 6/7/2017 2:19:36 PM



#41
 2,4,6-Tribromophenol
 Concen: 127.684 ng
 RT: 13.53 min Scan# 2031
 Delta R.T. -0.02 min
 Lab File: BF095742.D
 Acq: 7 Jun 2017 11:29

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	120775		
332	96.4	76.6	115.0	
141	38.6	31.4	47.2	





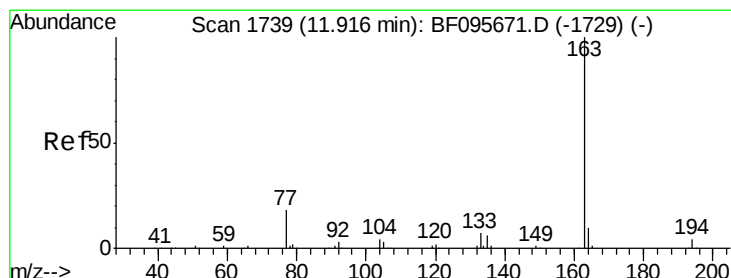
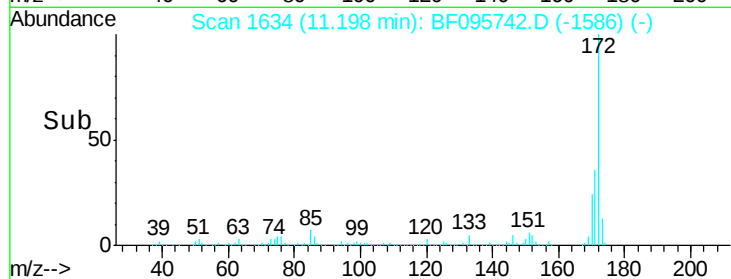
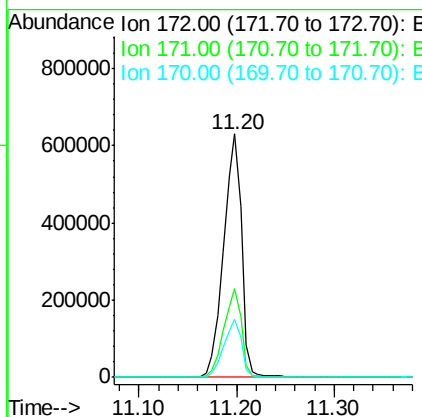
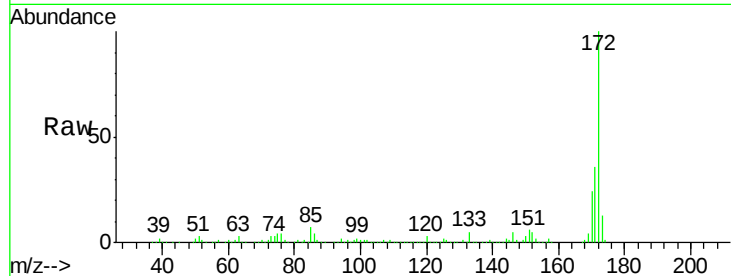
#44
2-Fluorobiphenyl
Concen: 104.575 ng
RT: 11.20 min Scan# 1634
Delta R.T. -0.02 min
Lab File: BF095742.D
Acq: 7 Jun 2017 11:29

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

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	803402		
171	36.3		29.6	44.4
170	23.8		19.8	29.8

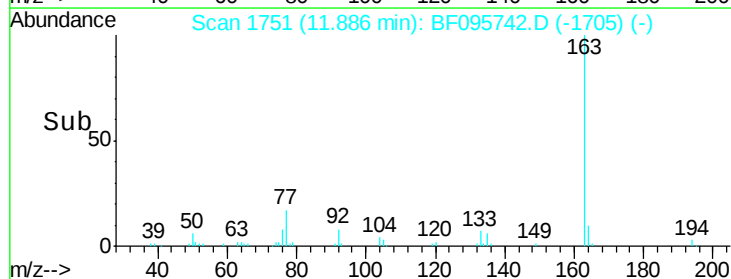
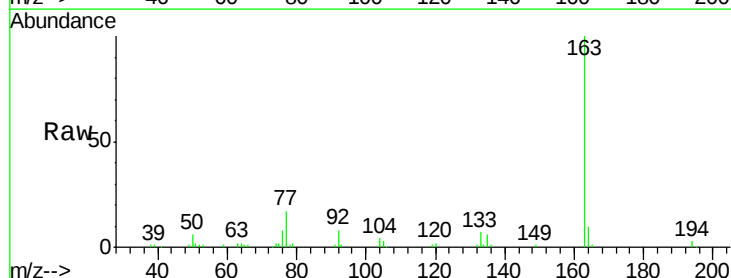
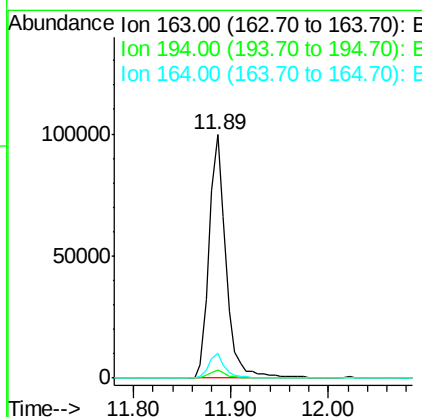
Manual Integrations
APPROVED

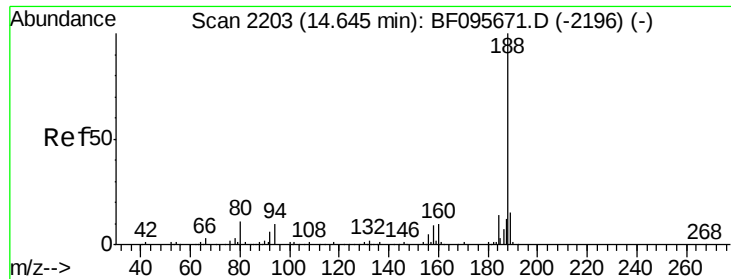
mohammad
6/7/2017 2:19:36 PM



#49
Dimethylphthalate
Concen: 14.790 ng
RT: 11.89 min Scan# 1751
Delta R.T. -0.03 min
Lab File: BF095742.D
Acq: 7 Jun 2017 11:29

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	120050		
194	3.3		2.6	4.0
164	10.1		8.4	12.6





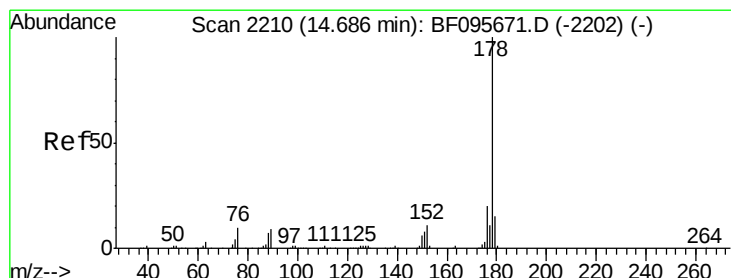
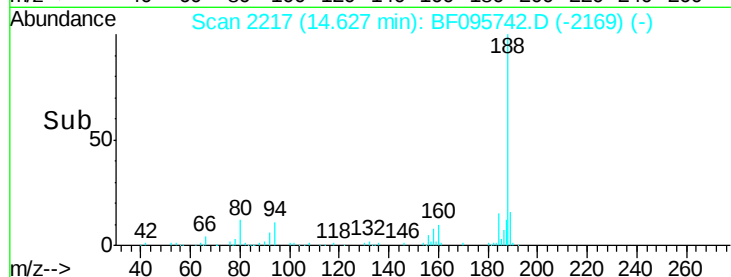
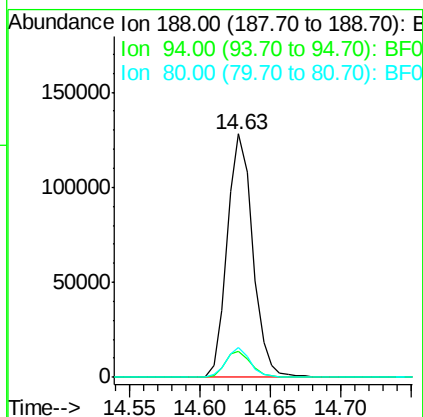
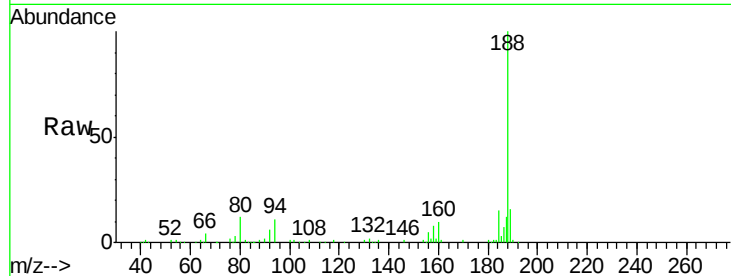
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 14.63 min Scan# 2217
Delta R.T. -0.02 min
Lab File: BF095742.D
Acq: 7 Jun 2017 11:29

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

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	10.8	9.4	14.2
80	12.1	10.2	15.2

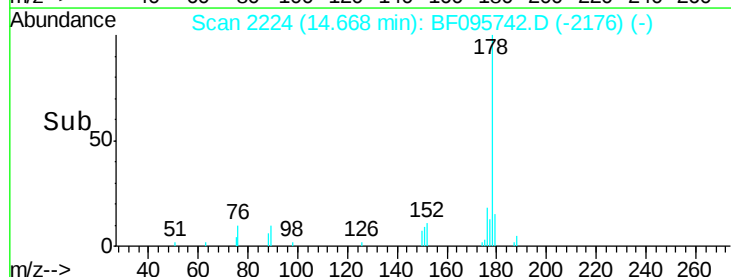
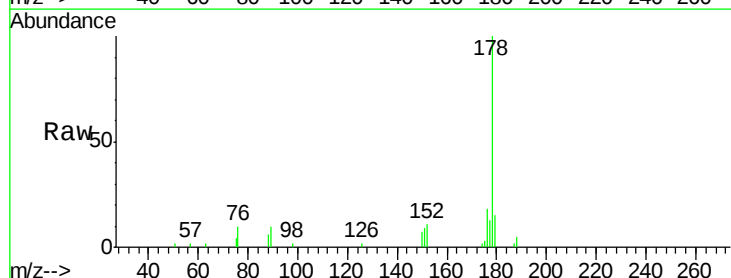
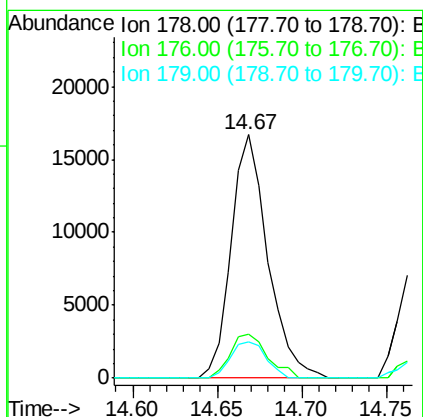
Manual Integrations
APPROVED

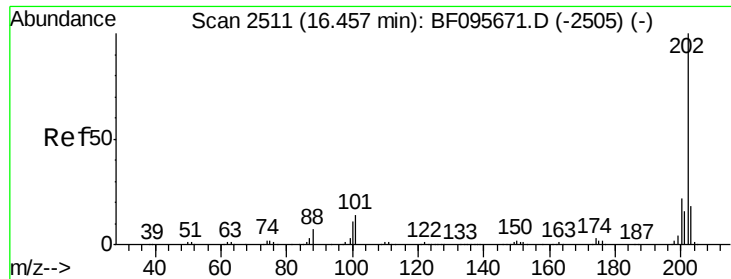
mohammad
6/7/2017 2:19:36 PM



#70
Phenanthrene
Concen: 2.697 ng
RT: 14.67 min Scan# 2224
Delta R.T. -0.02 min
Lab File: BF095742.D
Acq: 7 Jun 2017 11:29

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	18.3	16.2	24.4
179	14.8	12.6	19.0





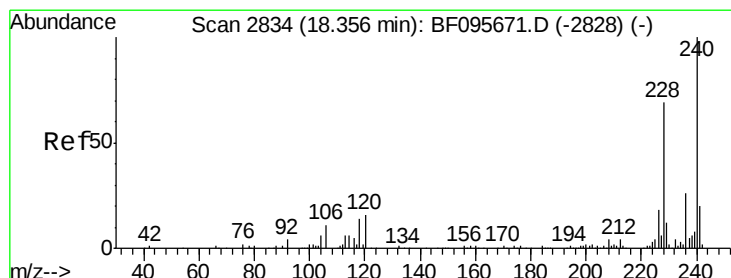
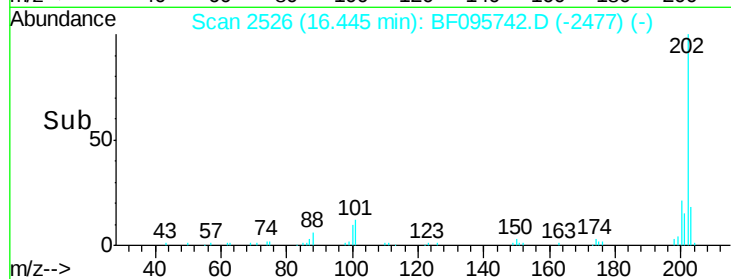
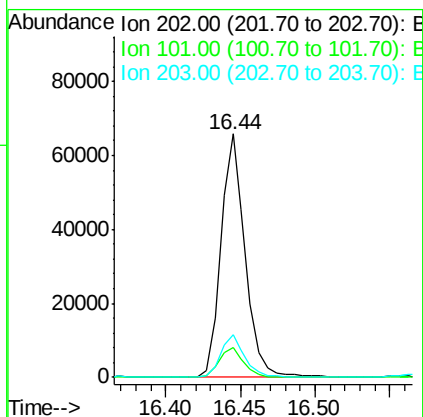
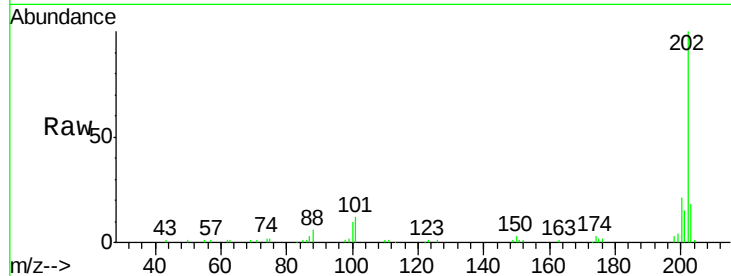
#74
 Fluoranthene
 Concen: 8.088 ng
 RT: 16.44 min Scan# 2526
 Delta R.T. -0.01 min
 Lab File: BF095742.D
 Acq: 7 Jun 2017 11:29

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

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
101	12.4	0.0	33.2
203	17.5	0.0	38.1

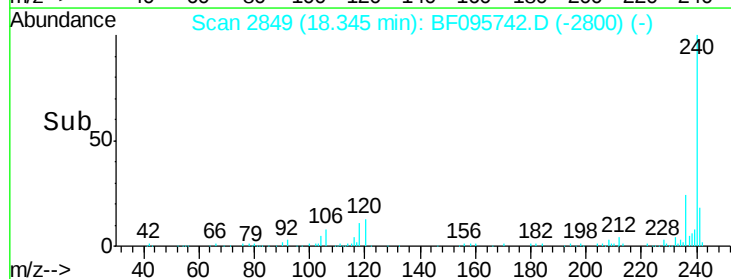
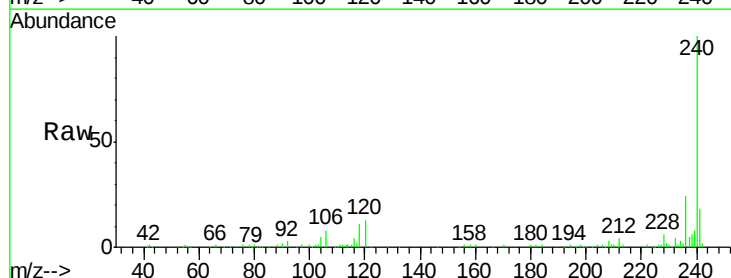
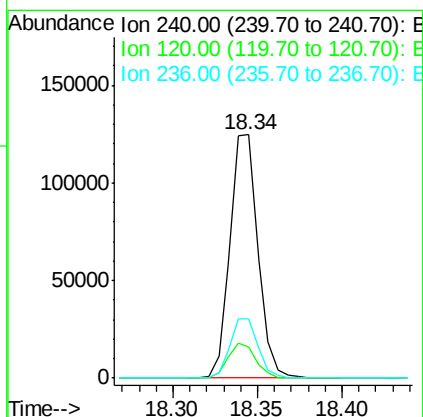
Manual Integrations
 APPROVED

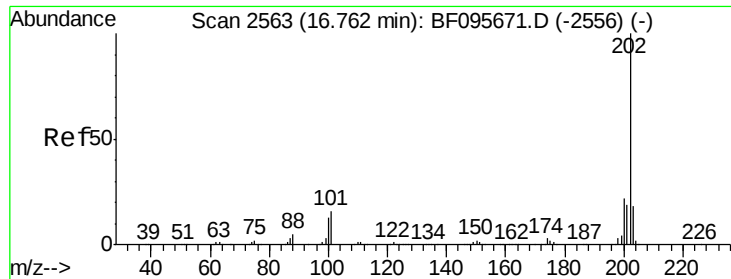
mohammad
 6/7/2017 2:19:36 PM



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 18.34 min Scan# 2849
 Delta R.T. -0.01 min
 Lab File: BF095742.D
 Acq: 7 Jun 2017 11:29

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	13.0	5.8	8.8#
236	24.4	20.5	30.7





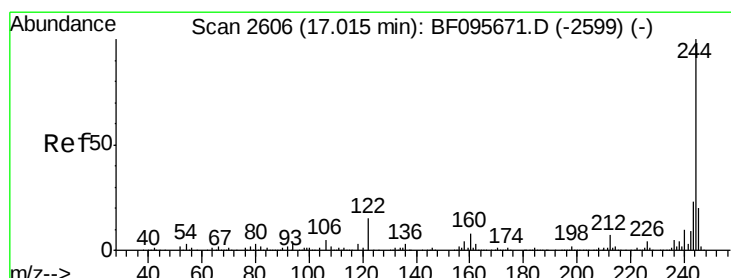
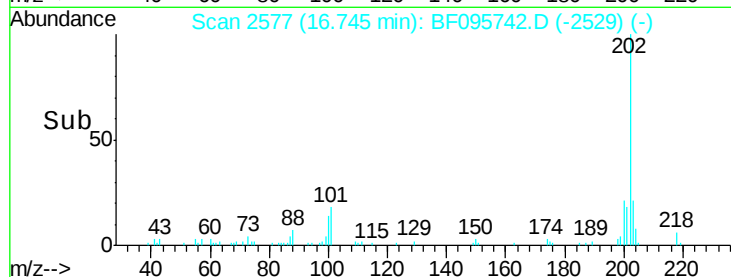
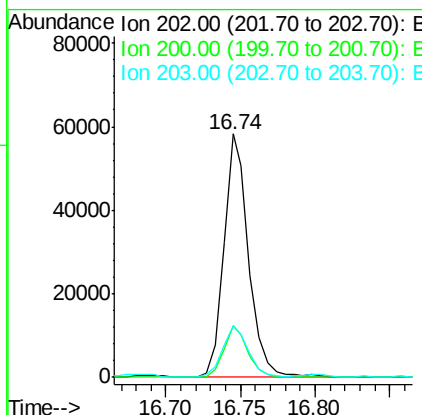
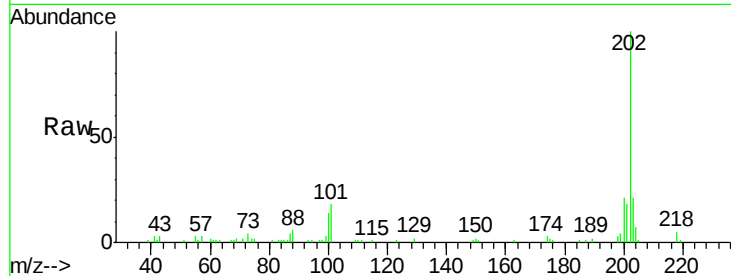
#77
 Pyrene
 Concen: 6.313 ng
 RT: 16.74 min Scan# 2577
 Delta R.T. -0.02 min
 Lab File: BF095742.D
 Acq: 7 Jun 2017 11:29

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

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	67579		
200	21.2		17.6	26.4
203	21.3		14.4	21.6

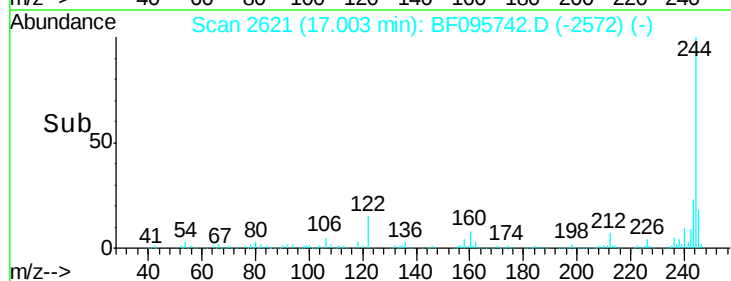
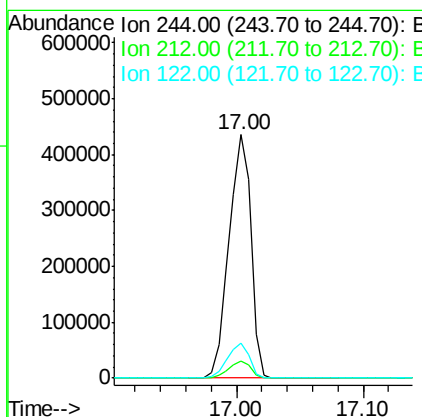
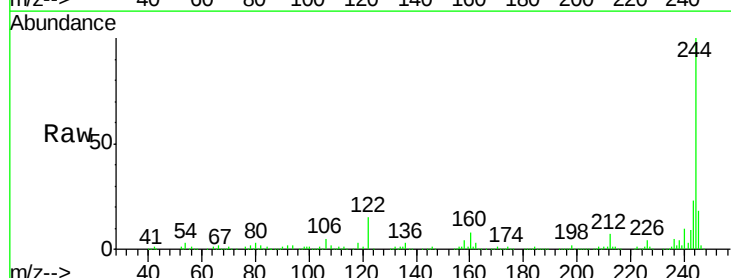
Manual Integrations
 APPROVED

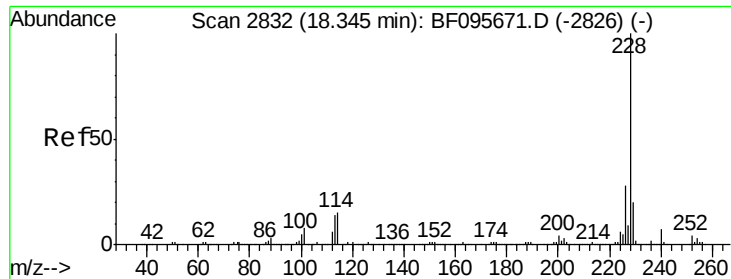
mohammad
 6/7/2017 2:19:36 PM



#78
 Terphenyl-d14
 Concen: 89.617 ng
 RT: 17.00 min Scan# 2621
 Delta R.T. -0.01 min
 Lab File: BF095742.D
 Acq: 7 Jun 2017 11:29

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	518062		
212	6.8		6.0	9.0
122	14.6		10.3	15.5





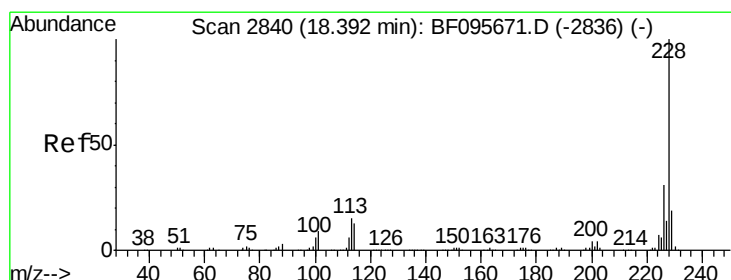
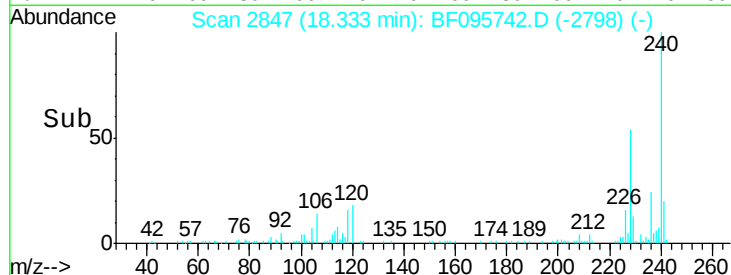
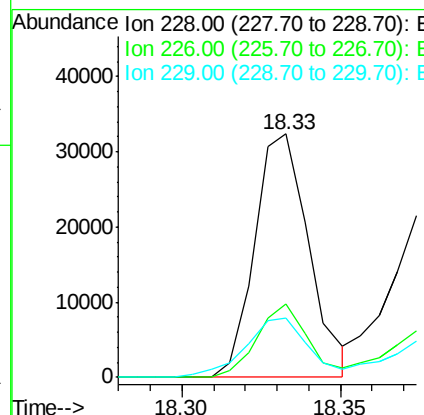
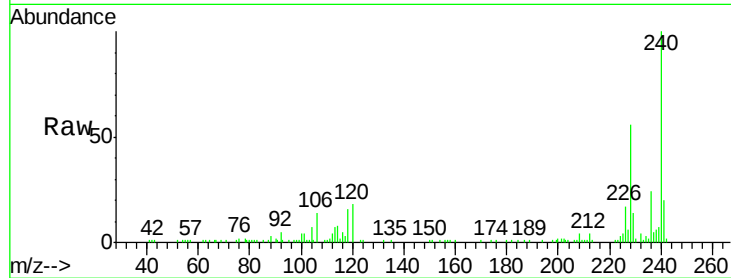
#80
Benzo(a)anthracene
Concen: 4.625 ng
RT: 18.33 min Scan# 2847
Delta R.T. -0.01 min
Lab File: BF095742.D
Acq: 7 Jun 2017 11:29

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

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	22.6	33.8
229	24.4	16.3	24.5

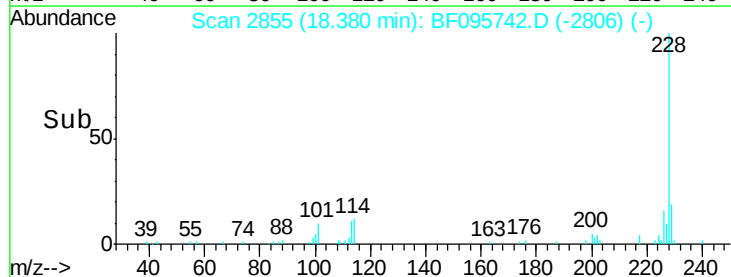
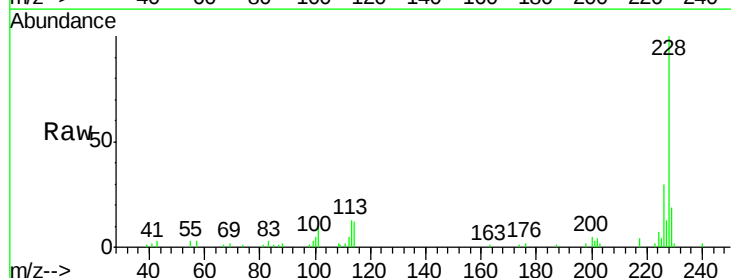
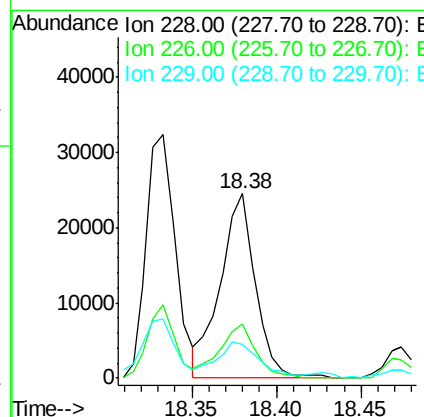
Manual Integrations
APPROVED

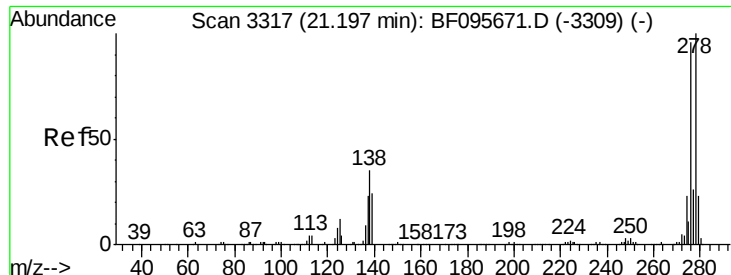
mohammad
6/7/2017 2:19:36 PM



#82
Chrysene
Concen: 4.272 ng
RT: 18.38 min Scan# 2855
Delta R.T. -0.01 min
Lab File: BF095742.D
Acq: 7 Jun 2017 11:29

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.9	37.3
229	18.6	15.8	23.6





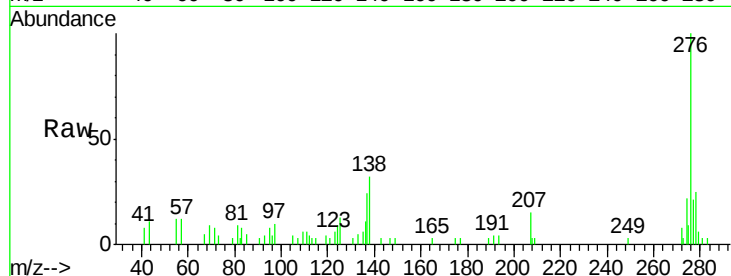
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.040 ng
RT: 21.19 min Scan# 3333
Delta R.T. -0.01 min
Lab File: BF095742.D
Acq: 7 Jun 2017 11:29

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

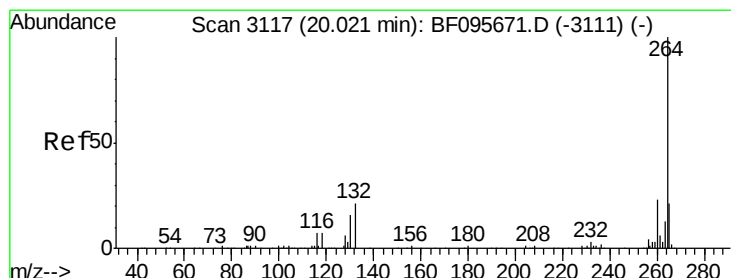
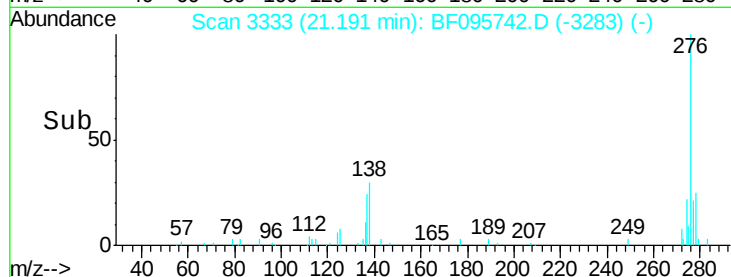
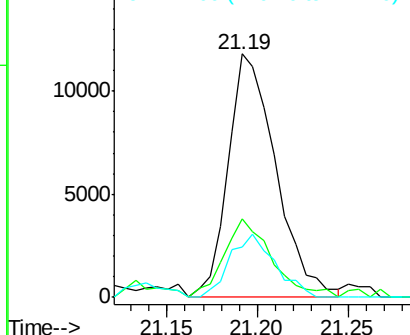
Tgt Ion	Ratio	Lower	Upper
276	100		
138	32.0	27.8	41.6
277	24.5	20.2	30.4

Manual Integrations
APPROVED

mohammad
6/7/2017 2:19:36 PM



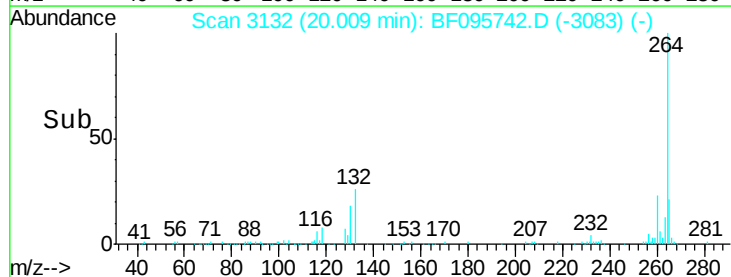
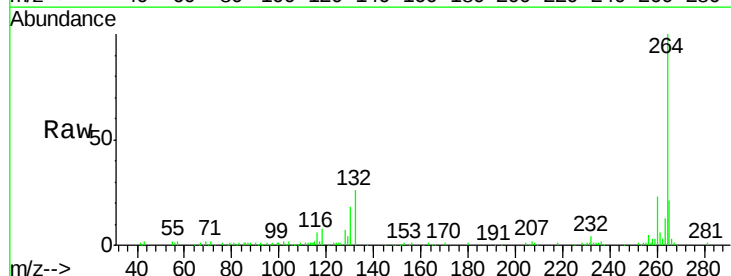
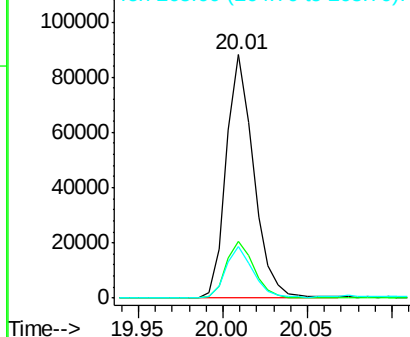
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

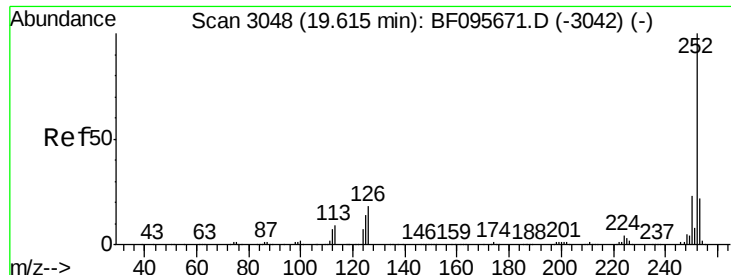


#86
Perylene-d12
Concen: 20.000 ng
RT: 20.01 min Scan# 3132
Delta R.T. -0.01 min
Lab File: BF095742.D
Acq: 7 Jun 2017 11:29

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.5	29.3
265	21.1	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: 6.640 ng m

RT: 19.61 min Scan# 3064

Delta R.T. -0.01 min

Lab File: BF095742.D

Acq: 7 Jun 2017 11:29

Instrument :

BNA_F

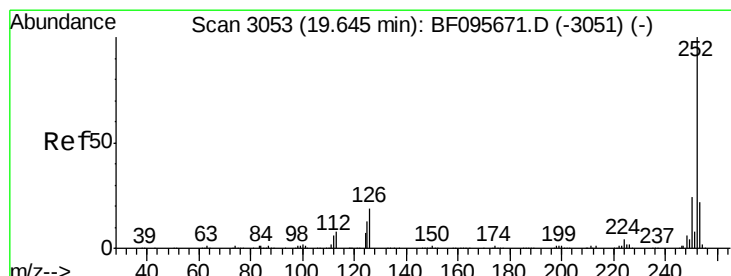
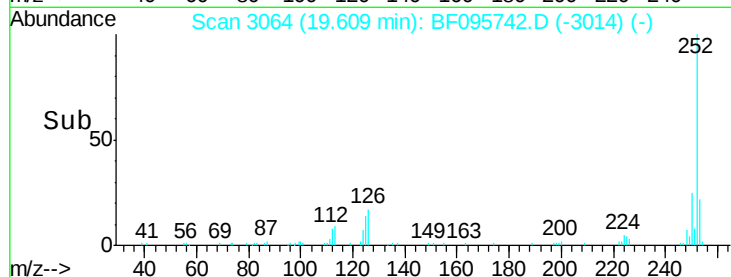
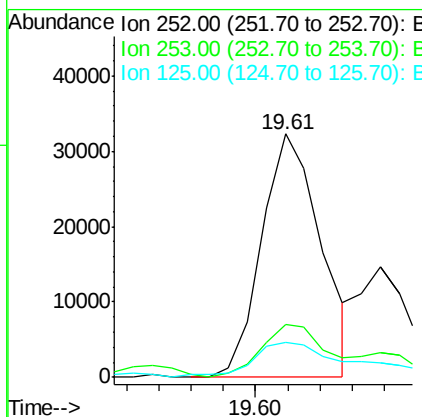
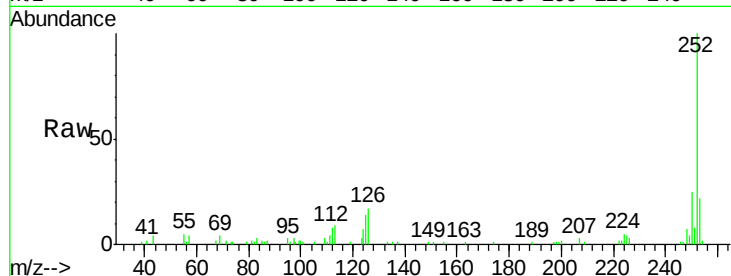
ClientSampleId :

SB-2(0-2)20170603

Tgt Ion:	252	Resp:	41538
Ion Ratio	Lower	Upper	
252	100		
253	21.5	18.1	27.1
125	14.5	9.8	14.8

Manual Integrations
APPROVED

mohammad
6/7/2017 2:19:36 PM



#88

Benzo(k)fluoranthene

Concen: 2.802 ng m

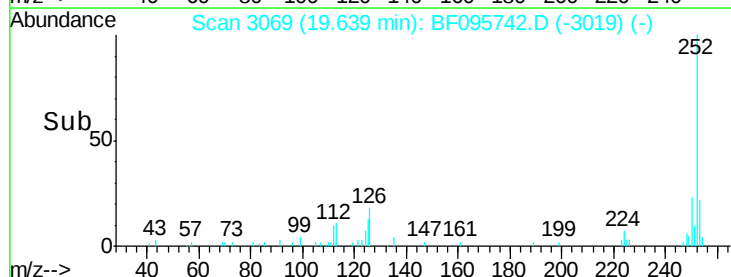
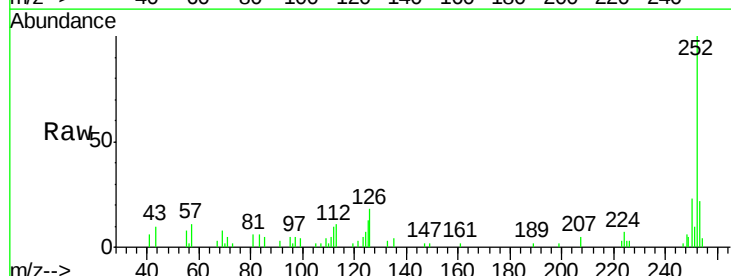
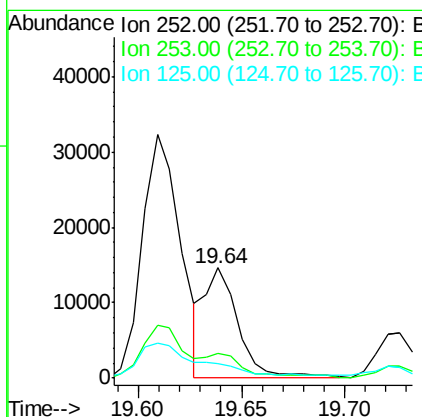
RT: 19.64 min Scan# 3069

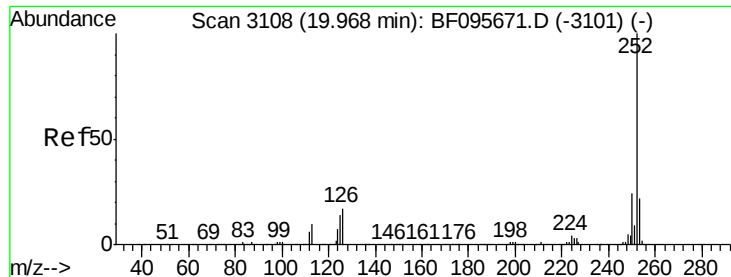
Delta R.T. -0.01 min

Lab File: BF095742.D

Acq: 7 Jun 2017 11:29

Tgt Ion:	252	Resp:	16754
Ion Ratio	Lower	Upper	
252	100		
253	22.0	18.4	27.6
125	13.2	13.1	19.7





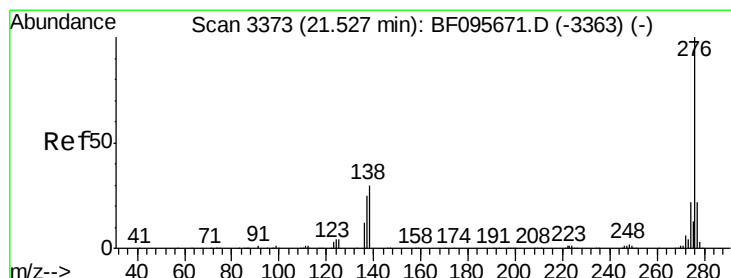
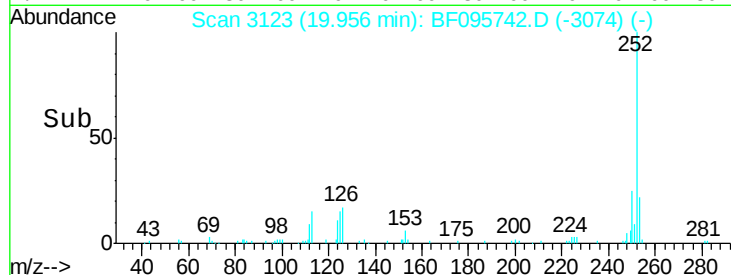
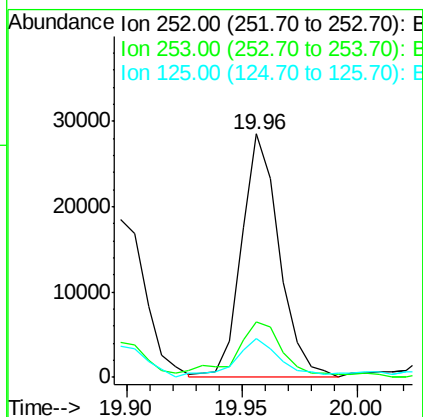
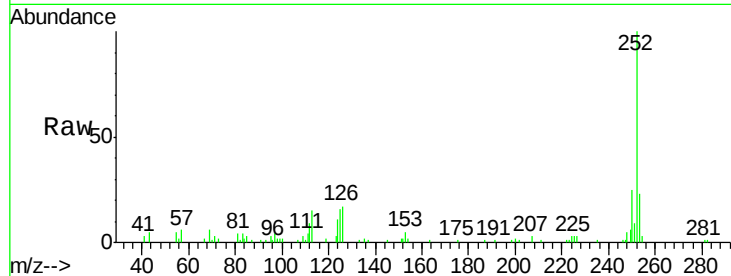
#89
Benzo(a)pyrene
Concen: 5.651 ng
RT: 19.96 min Scan# 3123
Delta R.T. -0.01 min
Lab File: BF095742.D
Acq: 7 Jun 2017 11:29

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

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.5	26.3
125	15.7	11.0	16.4

Manual Integrations
APPROVED

mohammad
6/7/2017 2:19:36 PM



#91
Benzo(g,h,i)perylene
Concen: 4.400 ng
RT: 21.53 min Scan# 3390
Delta R.T. -0.00 min
Lab File: BF095742.D
Acq: 7 Jun 2017 11:29

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.2	18.6	28.0
138	33.0	25.4	38.0

