

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060617\
 Data File : BF095728.D
 Acq On : 7 Jun 2017 1:20
 Operator : SJ/MA
 Sample : I3481-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-060517

Manual Integrations
 APPROVED

mohammad
 6/7/2017 2:19:05 PM

Quant Time: Jun 07 04:25:18 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	76582	20.00	ng	-0.02
21) Naphthalene-d8	9.41	136	292721	20.00	ng	-0.02
38) Acenaphthene-d10	12.23	164	117439	20.00	ng	-0.02
63) Phenanthrene-d10	14.63	188	173346	20.00	ng	-0.02
75) Chrysene-d12	18.34	240	144787	20.00	ng	-0.01
86) Perylene-d12	20.02	264	104180	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	442907	92.16	ng	-0.01
7) Phenol-d6	6.94	99	515052	89.52	ng	-0.02
23) Nitrobenzene-d5	8.29	82	292952	62.15	ng	-0.03
41) 2,4,6-Tribromophenol	13.53	330	81394	78.33	ng	-0.02
44) 2-Fluorobiphenyl	11.19	172	543597	64.41	ng	-0.02
78) Terphenyl-d14	17.00	244	342253	58.66	ng	-0.01
Target Compounds						
49) Dimethylphthalate	11.89	163	82115	9.209	ng	Qvalue 98
70) Phenanthrene	14.66	178	127970	12.795	ng	97
71) Anthracene	14.76	178	31615	3.028	ng	94
74) Fluoranthene	16.44	202	161972	16.362	ng	94
77) Pyrene	16.74	202	166252	15.389	ng	96
80) Benzo(a)anthracene	18.33	228	63133	7.500	ng	97
82) Chrysene	18.37	228	61435	7.303	ng	97
85) Indeno(1,2,3-cd)pyrene	21.20	276	19972	2.775	ng	98
87) Benzo(b)fluoranthene	19.61	252	54388m	8.337	ng	
88) Benzo(k)fluoranthene	19.64	252	21421m	3.435	ng	
89) Benzo(a)pyrene	19.96	252	39431	6.576	ng	# 93
91) Benzo(g,h,i)perylene	21.53	276	19621	3.784	ng	93

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

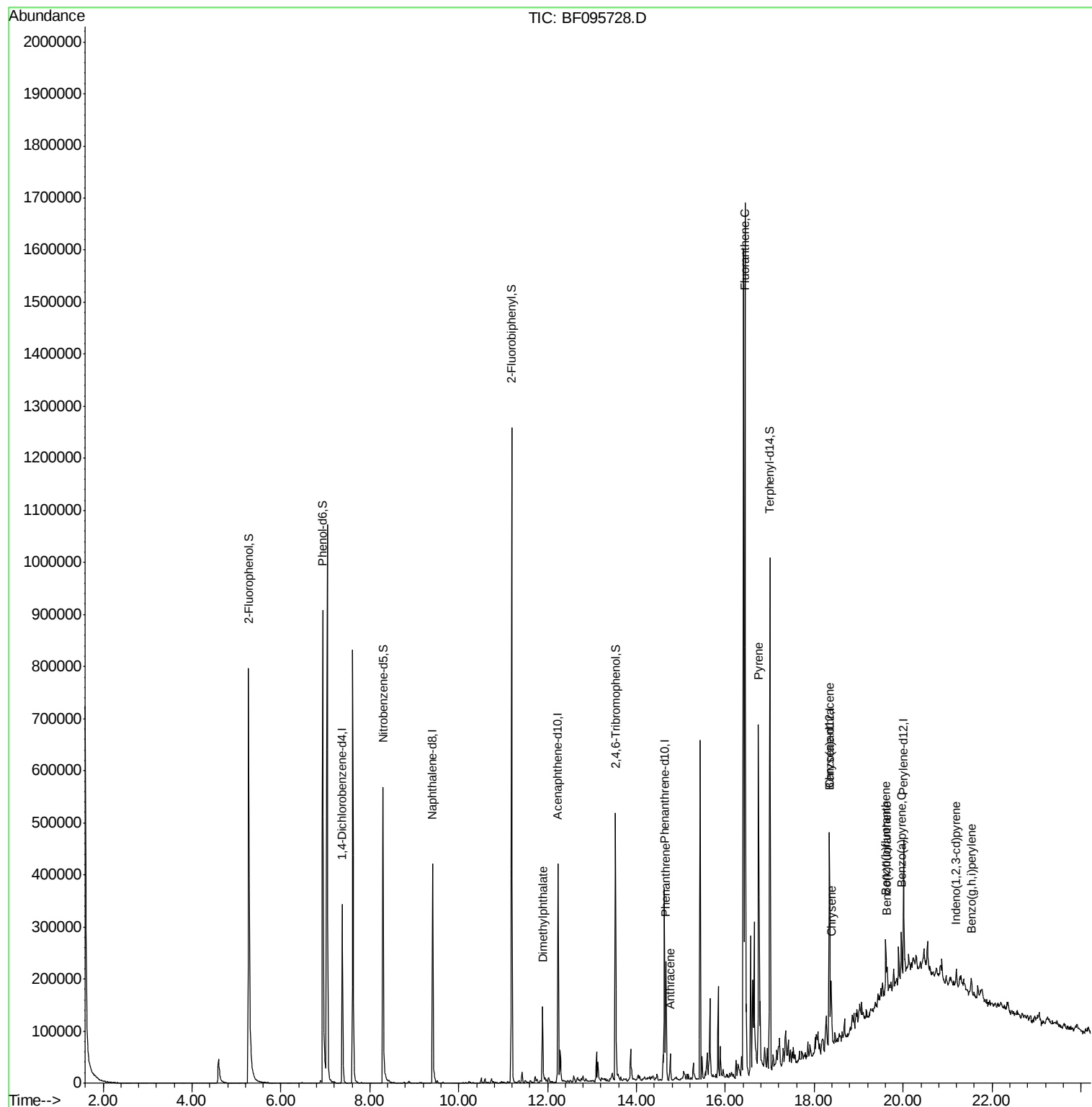
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060617\
Data File : BF095728.D
Acq On : 7 Jun 2017 1:20
Operator : SJ/MA
Sample : I3481-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

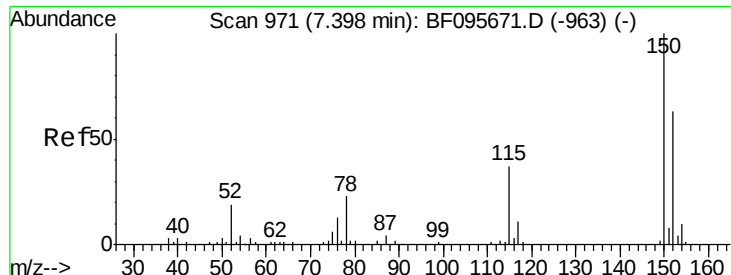
Instrument :
BNA_F
ClientSampleId :
SU-04-060517

Manual Integrations
APPROVED

mohammad
6/7/2017 2:19:05 PM

Quant Time: Jun 07 04:25:18 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





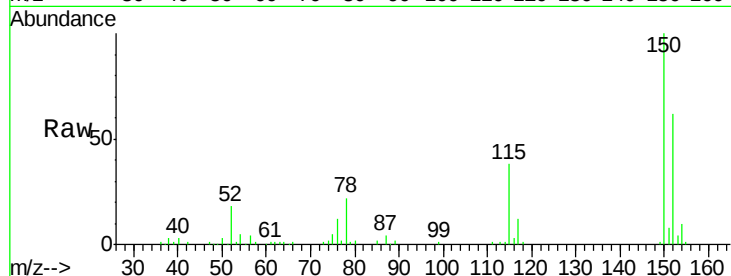
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.38 min Scan# 985
 Delta R.T. -0.02 min
 Lab File: BF095728.D
 Acq: 7 Jun 2017 1:20

Instrument :
 BNA_F
 ClientSampled :
 SU-04-060517

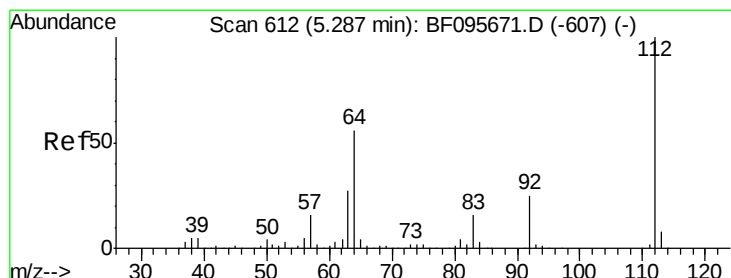
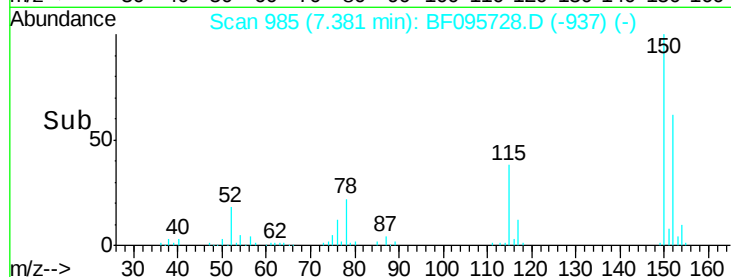
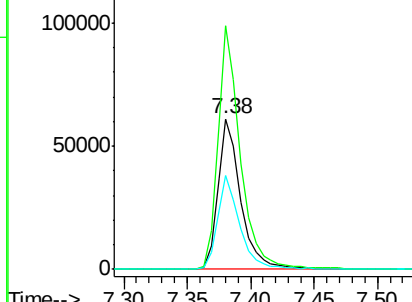
Tgt Ion	Ratio	Lower	Upper
152	100		
150	161.8	126.2	189.2
115	62.3	52.2	78.2

Manual Integrations
 APPROVED

mohammad
 6/7/2017 2:19:05 PM

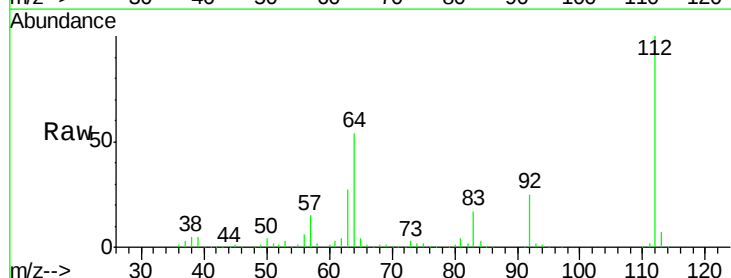


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

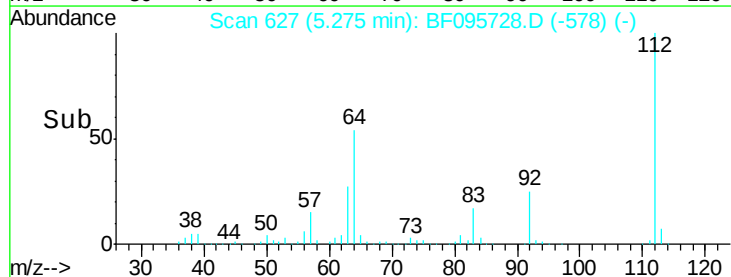
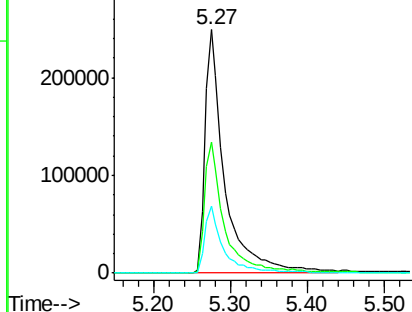


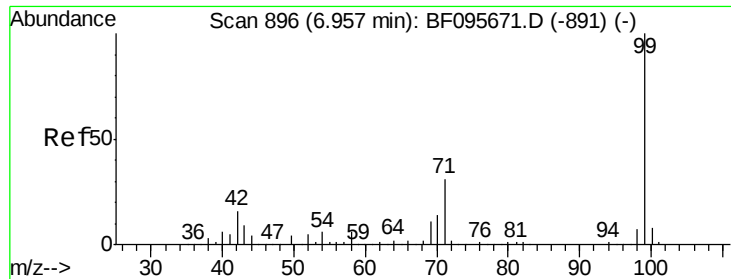
#5
 2-Fluorophenol
 Concen: 92.156 ng
 RT: 5.27 min Scan# 627
 Delta R.T. -0.01 min
 Lab File: BF095728.D
 Acq: 7 Jun 2017 1:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.9	46.0	69.0
63	27.3	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: 89.517 ng

RT: 6.94 min Scan# 910

Delta R.T. -0.02 min

Lab File: BF095728.D

Acq: 7 Jun 2017 1:20

Instrument :

BNA_F

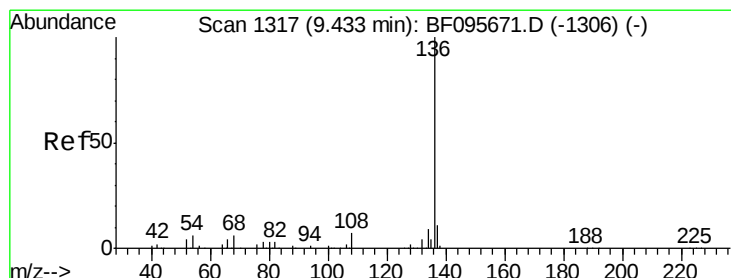
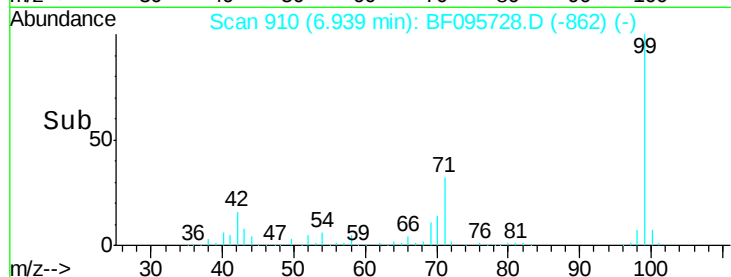
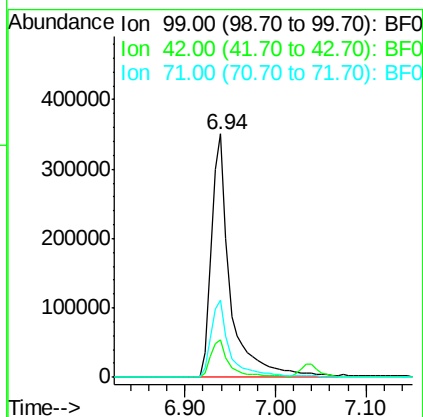
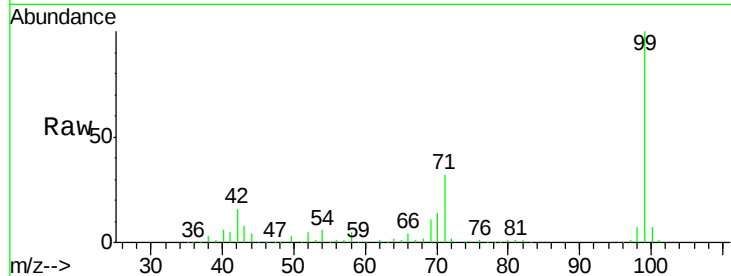
ClientSampleId :

SU-04-060517

Tgt Ion:	99	Resp:	515052
Ion Ratio	Lower	Upper	
99	100		
42	15.6	13.5	20.3
71	31.9	24.5	36.7

Manual Integrations
APPROVED

mohammad
6/7/2017 2:19:05 PM



#21

Naphthalene-d8

Concen: 20.000 ng

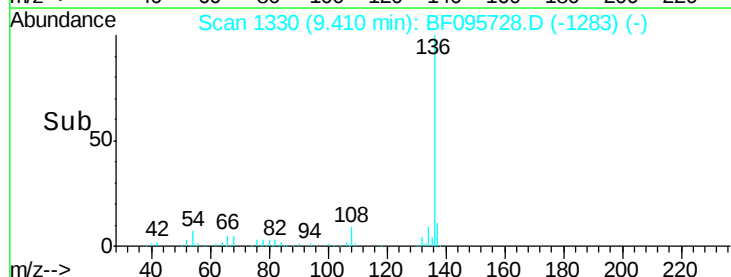
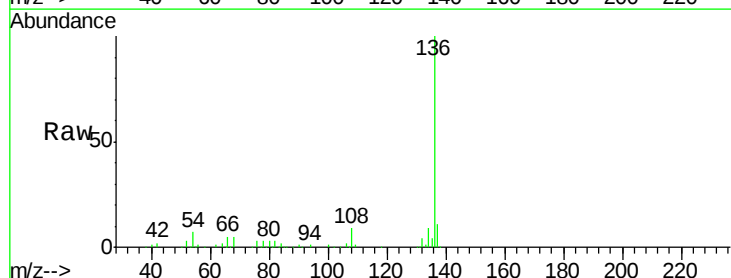
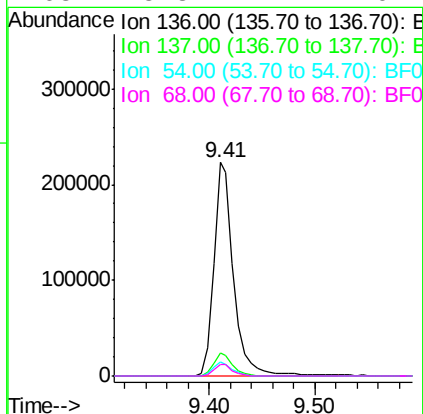
RT: 9.41 min Scan# 1330

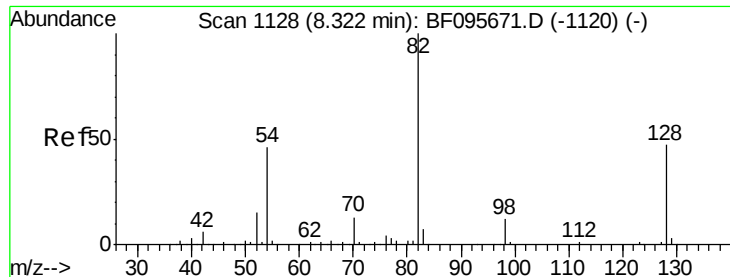
Delta R.T. -0.02 min

Lab File: BF095728.D

Acq: 7 Jun 2017 1:20

Tgt Ion:	136	Resp:	292721
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.5	12.7
54	6.9	4.9	7.3
68	5.3	4.1	6.1





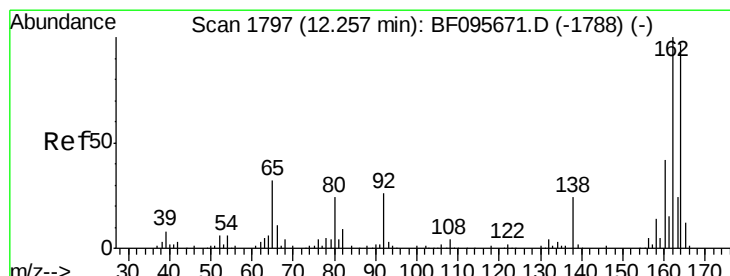
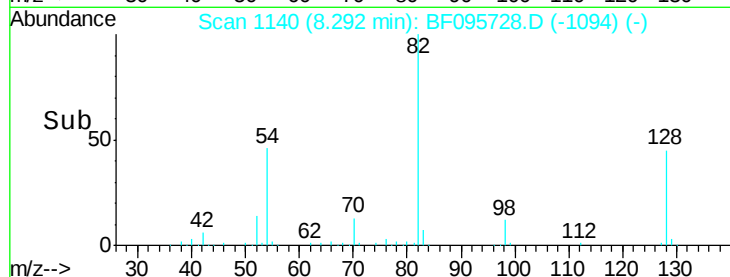
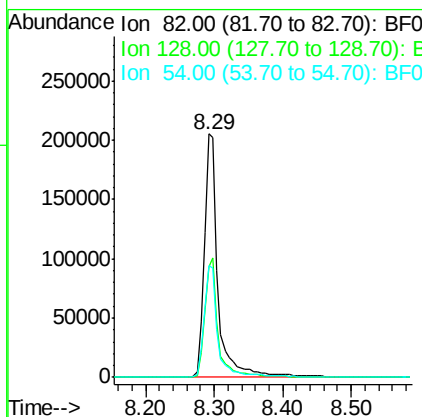
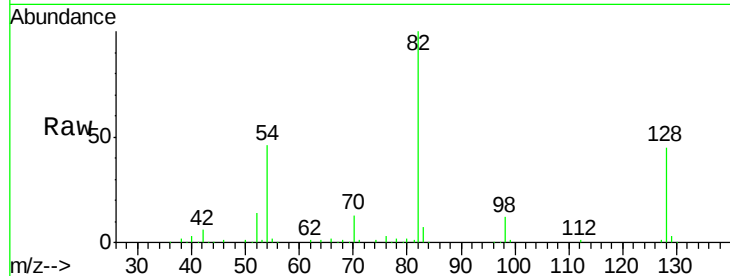
#23
 Nitrobenzene-d5
 Concen: 62.154 ng
 RT: 8.29 min Scan# 1140
 Delta R.T. -0.03 min
 Lab File: BF095728.D
 Acq: 7 Jun 2017 1:20

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-060517

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	292952		
128	45.2	34.0	51.0	
54	45.8	42.2	63.2	

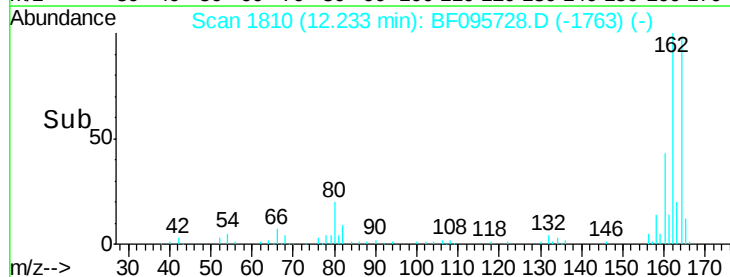
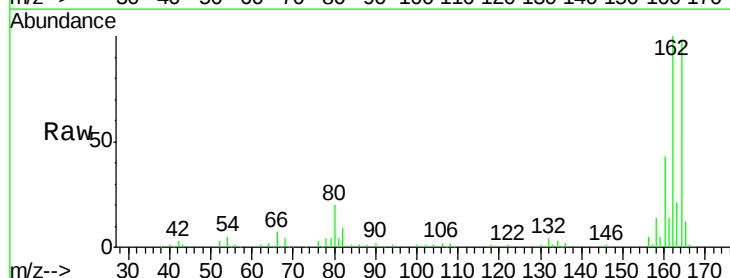
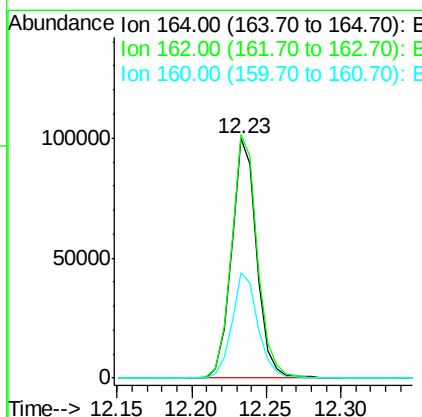
Manual Integrations
 APPROVED

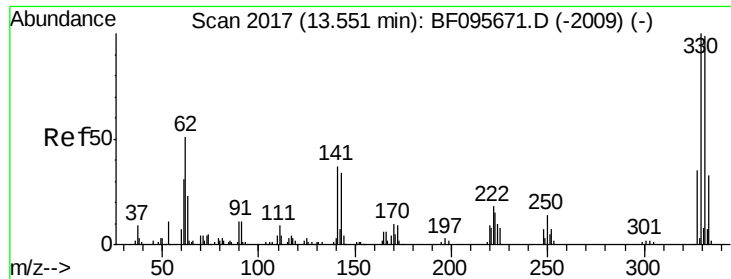
mohammad
 6/7/2017 2:19:05 PM



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 12.23 min Scan# 1810
 Delta R.T. -0.02 min
 Lab File: BF095728.D
 Acq: 7 Jun 2017 1:20

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	117439		
162	101.7	82.6	123.8	
160	44.0	36.2	54.2	





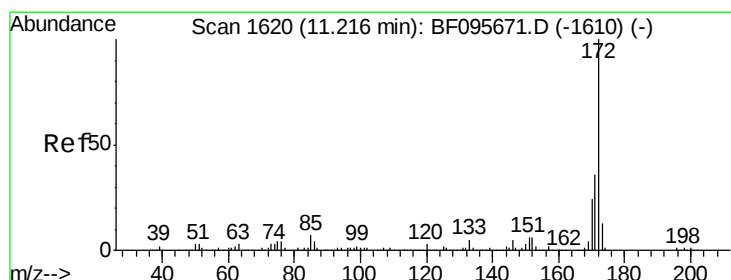
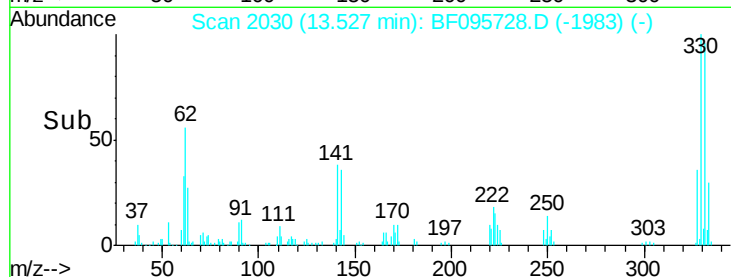
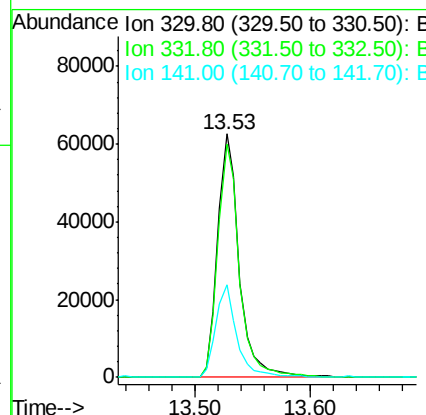
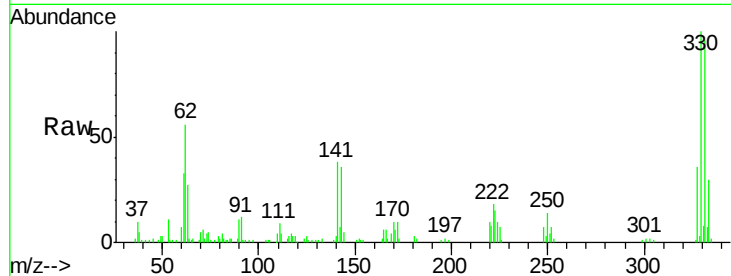
#41
 2,4,6-Tribromophenol
 Concen: 78.334 ng
 RT: 13.53 min Scan# 2030
 Delta R.T. -0.02 min
 Lab File: BF095728.D
 Acq: 7 Jun 2017 1:20

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-060517

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	81394		
332	95.8	76.6	115.0	
141	37.5	31.4	47.2	

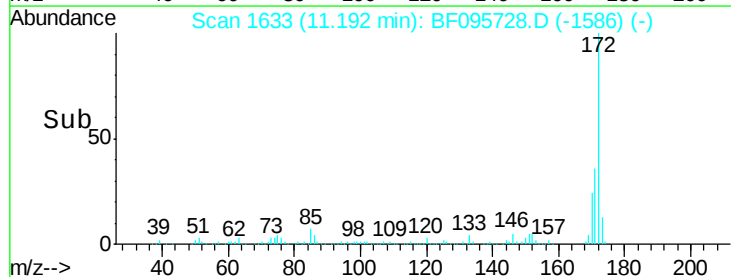
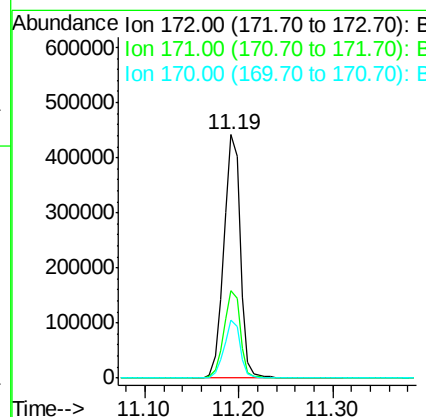
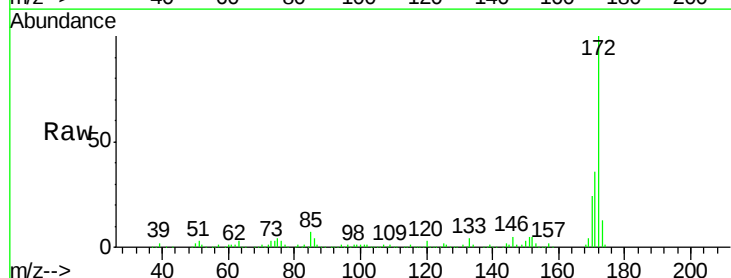
Manual Integrations
 APPROVED

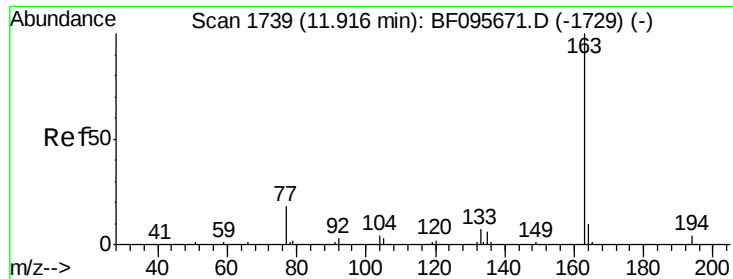
mohammad
 6/7/2017 2:19:05 PM



#44
 2-Fluorobiphenyl
 Concen: 64.413 ng
 RT: 11.19 min Scan# 1633
 Delta R.T. -0.02 min
 Lab File: BF095728.D
 Acq: 7 Jun 2017 1:20

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	543597		
171	36.1	29.6	44.4	
170	23.7	19.8	29.8	





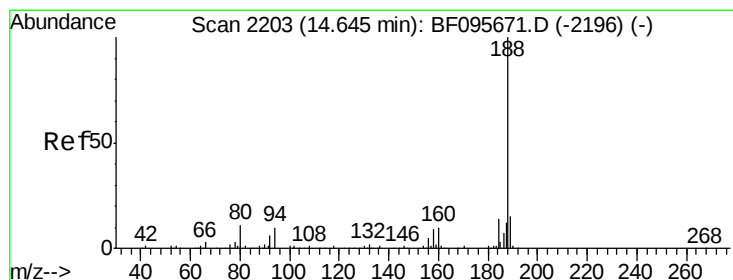
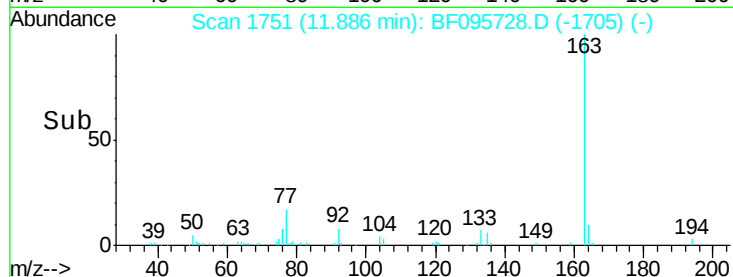
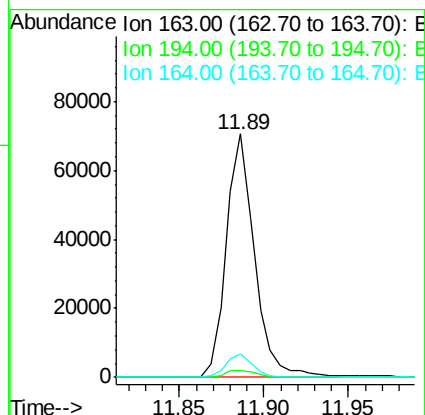
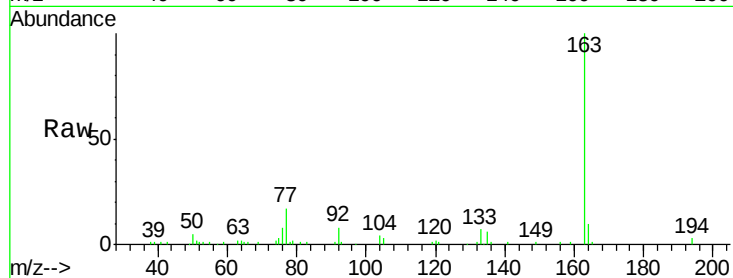
#49
Dimethylphthalate
Concen: 9.209 ng
RT: 11.89 min Scan# 1751
Delta R.T. -0.03 min
Lab File: BF095728.D
Acq: 7 Jun 2017 1:20

Instrument :
BNA_F
ClientSampleId :
SU-04-060517

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	3.0	2.6	4.0
164	9.6	8.4	12.6

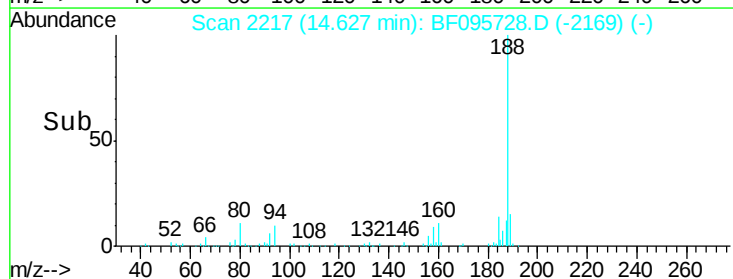
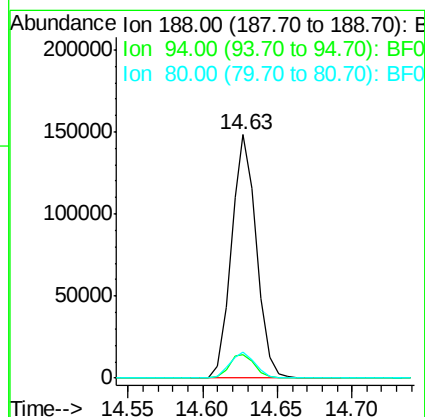
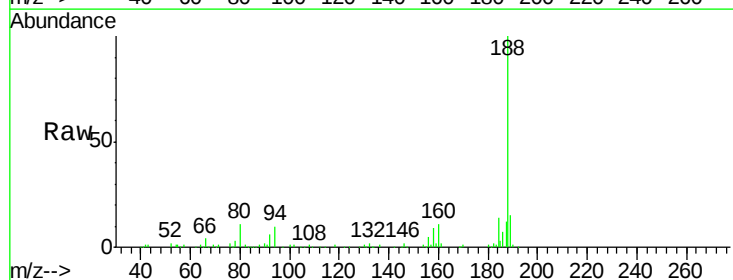
Manual Integrations
APPROVED

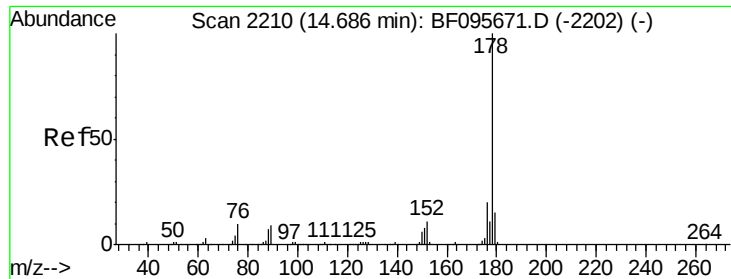
mohammad
6/7/2017 2:19:05 PM



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 14.63 min Scan# 2217
Delta R.T. -0.02 min
Lab File: BF095728.D
Acq: 7 Jun 2017 1:20

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	9.6	9.4	14.2
80	10.6	10.2	15.2





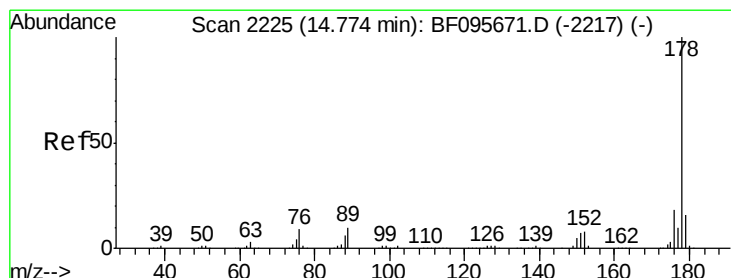
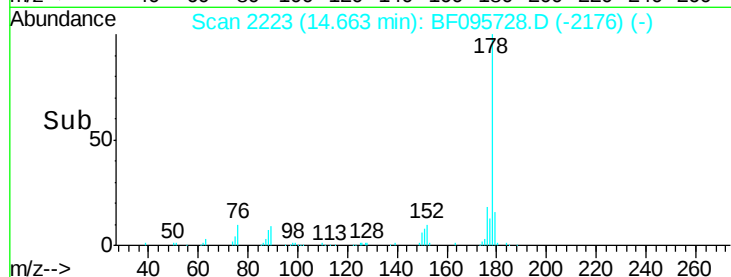
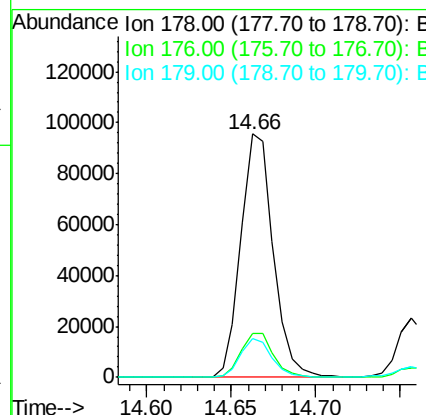
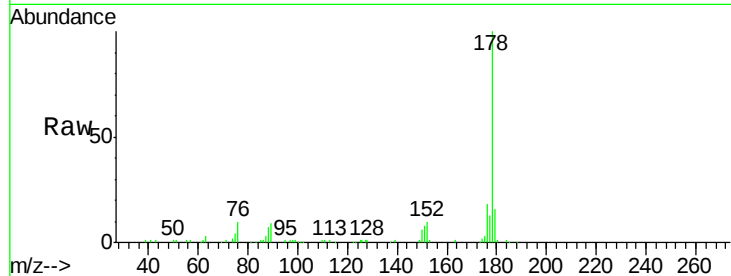
#70
Phenanthrene
Concen: 12.795 ng
RT: 14.66 min Scan# 2223
Delta R.T. -0.02 min
Lab File: BF095728.D
Acq: 7 Jun 2017 1:20

Instrument :
BNA_F
ClientSampleId :
SU-04-060517

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	16.2	24.4
179	16.0	12.6	19.0

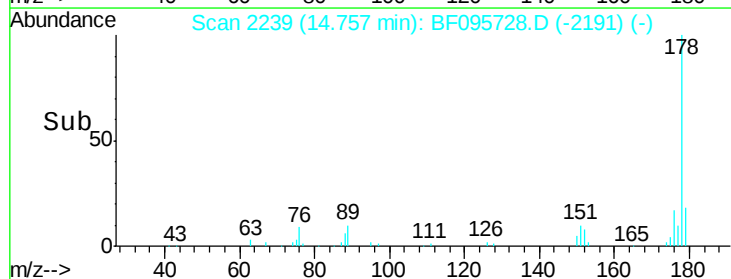
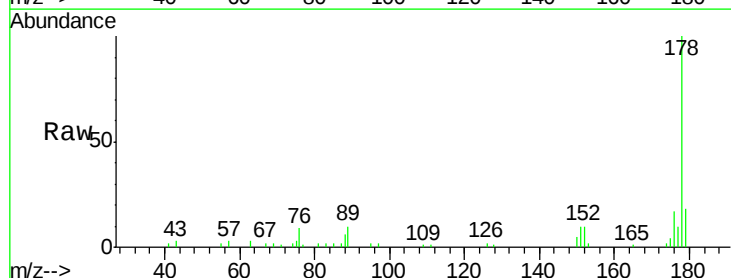
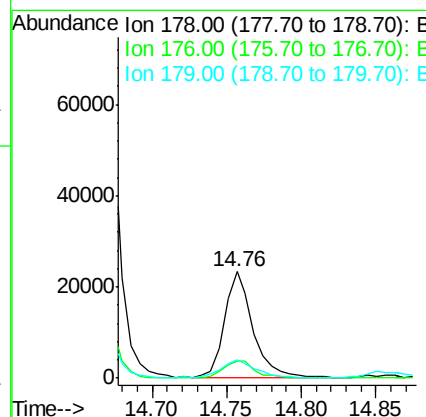
Manual Integrations
APPROVED

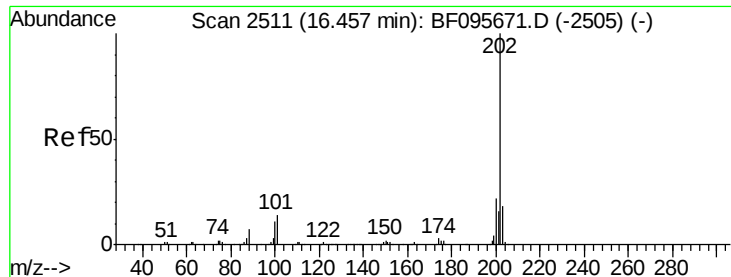
mohammad
6/7/2017 2:19:05 PM



#71
Anthracene
Concen: 3.028 ng
RT: 14.76 min Scan# 2239
Delta R.T. -0.02 min
Lab File: BF095728.D
Acq: 7 Jun 2017 1:20

Tgt Ion	Ratio	Lower	Upper
178	100		
176	16.6	15.8	23.8
179	17.8	12.7	19.1





#74

Fluoranthene

Concen: 16.362 ng

RT: 16.44 min Scan# 2526

Delta R.T. -0.01 min

Lab File: BF095728.D

Acq: 7 Jun 2017 1:20

Instrument :

BNA_F

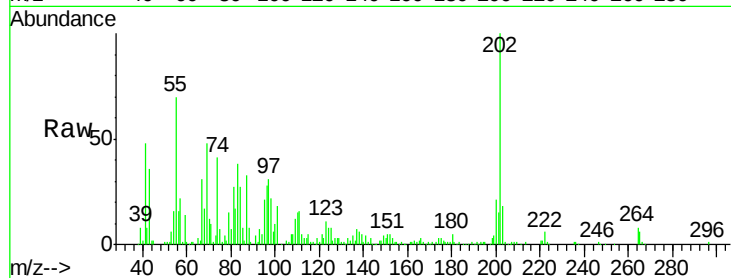
ClientSampleId :

SU-04-060517

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	161972		
101	17.9	0.0	33.2	
203	17.6	0.0	38.1	

Manual Integrations
APPROVED

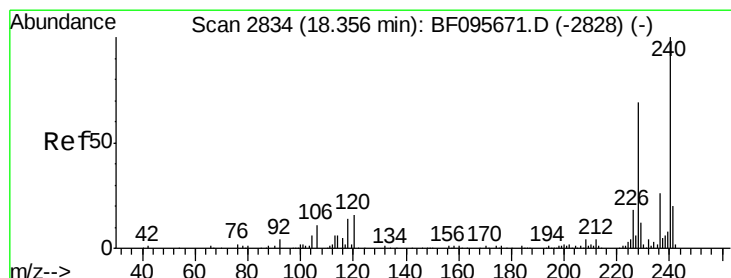
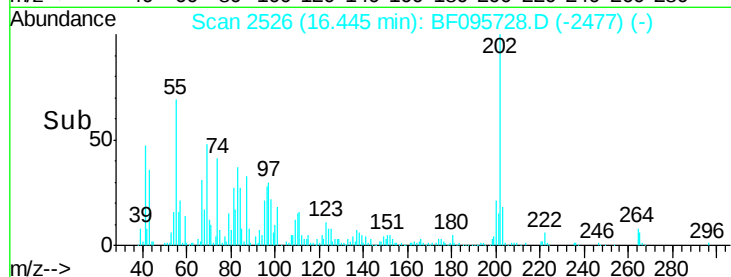
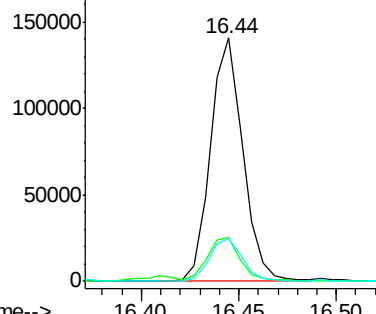
mohammad
6/7/2017 2:19:05 PM



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 18.34 min Scan# 2849

Delta R.T. -0.01 min

Lab File: BF095728.D

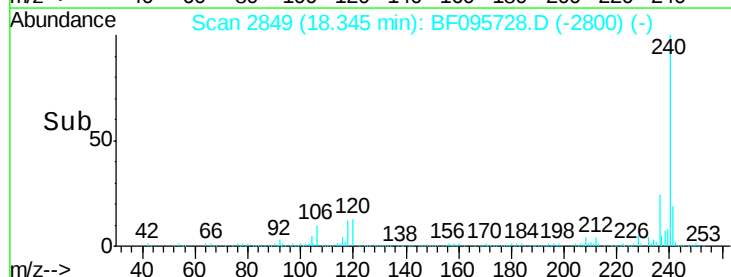
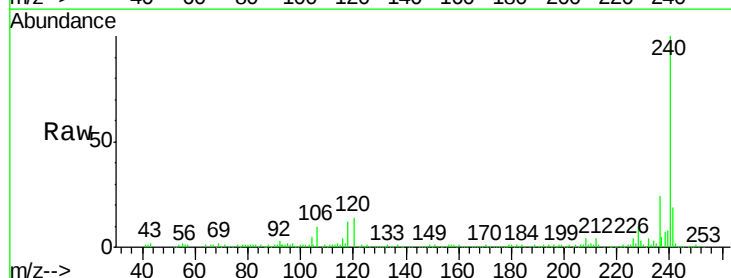
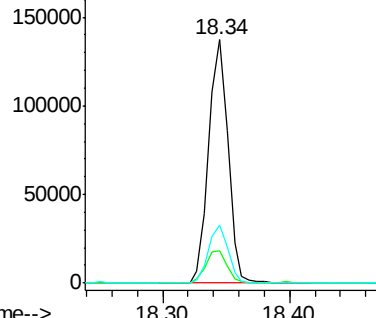
Acq: 7 Jun 2017 1:20

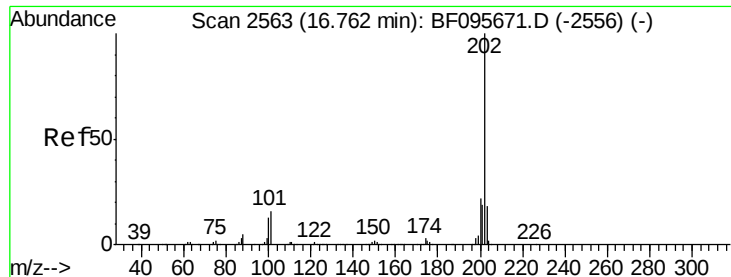
Tgt Ion	Ratio	Resp	Lower	Upper
240	100	144787		
120	13.6	5.8	8.8#	
236	23.6	20.5	30.7	

Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 15.389 ng

RT: 16.74 min Scan# 2577

Delta R.T. -0.02 min

Lab File: BF095728.D

Acq: 7 Jun 2017 1:20

Instrument :

BNA_F

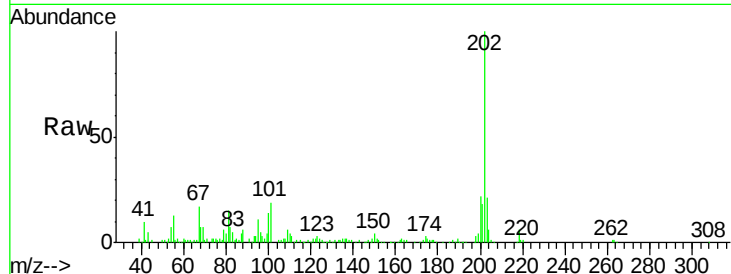
ClientSampleId :

SU-04-060517

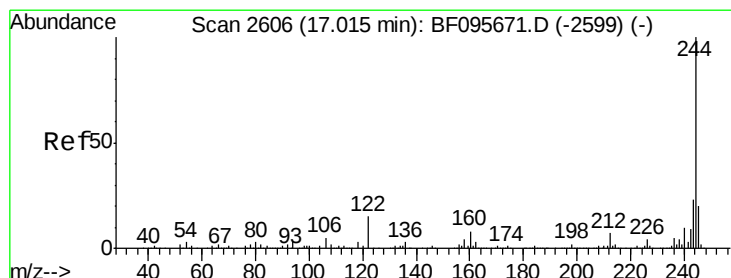
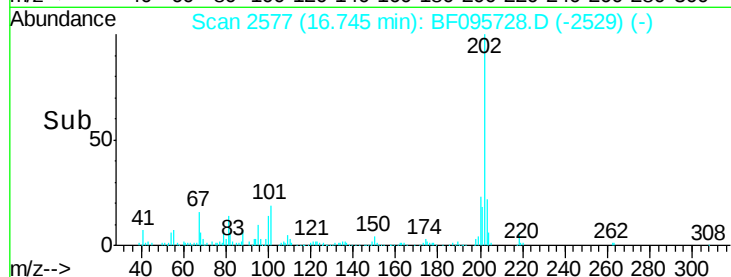
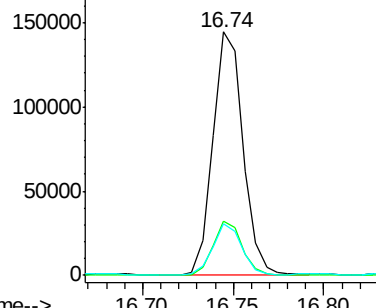
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	166252		
200	22.4	17.6	26.4	
203	21.4	14.4	21.6	

Manual Integrations
APPROVED

mohammad
6/7/2017 2:19:05 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: 58.664 ng

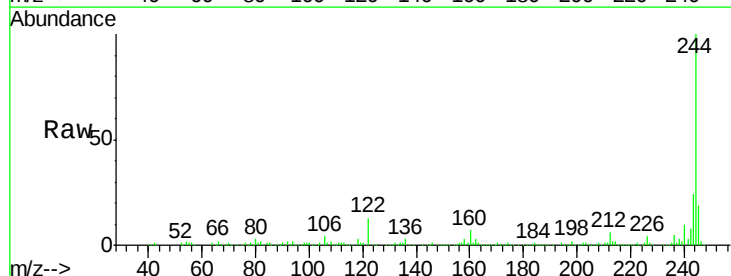
RT: 17.00 min Scan# 2621

Delta R.T. -0.01 min

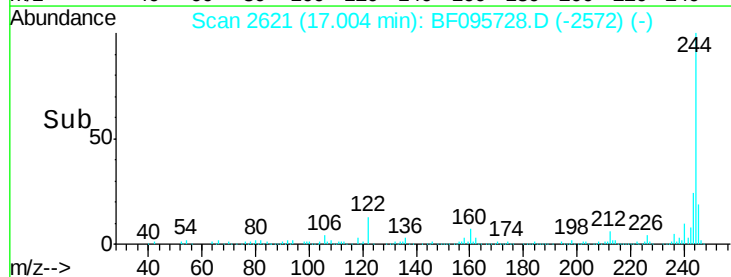
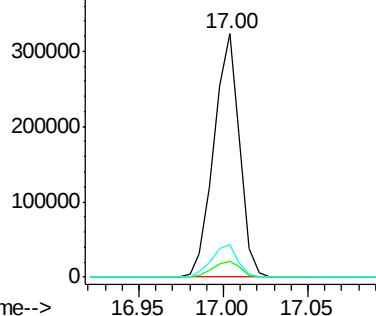
Lab File: BF095728.D

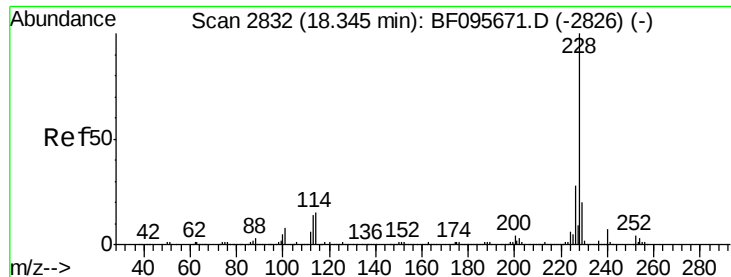
Acq: 7 Jun 2017 1:20

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	342253		
212	6.4	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





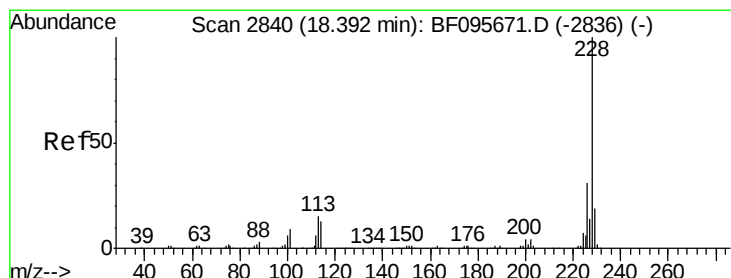
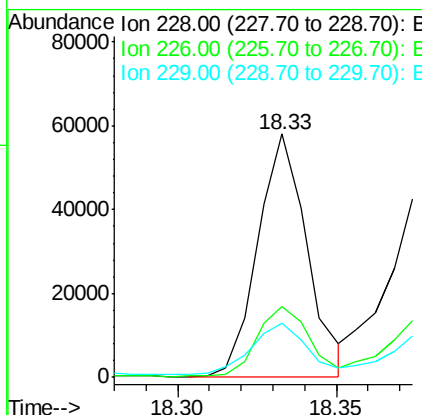
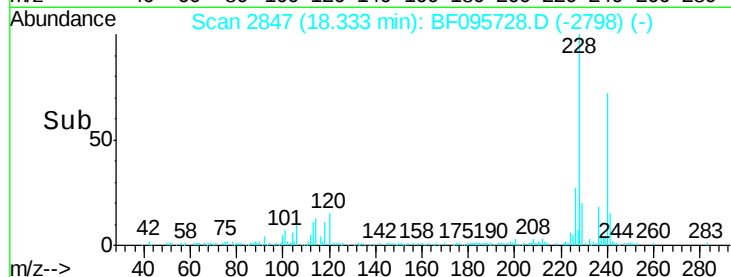
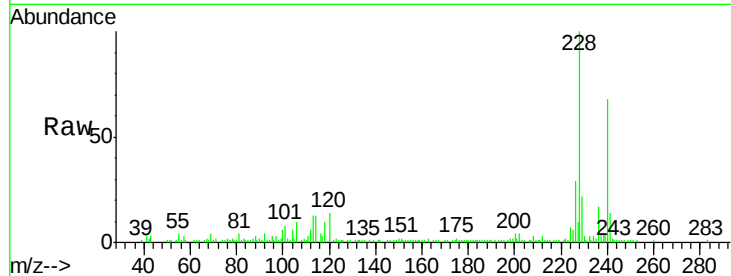
#80
Benzo(a)anthracene
Concen: 7.500 ng
RT: 18.33 min Scan# 2847
Delta R.T. -0.01 min
Lab File: BF095728.D
Acq: 7 Jun 2017 1:20

Instrument :
BNA_F
ClientSampleId :
SU-04-060517

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.3	22.6	33.8
229	22.4	16.3	24.5

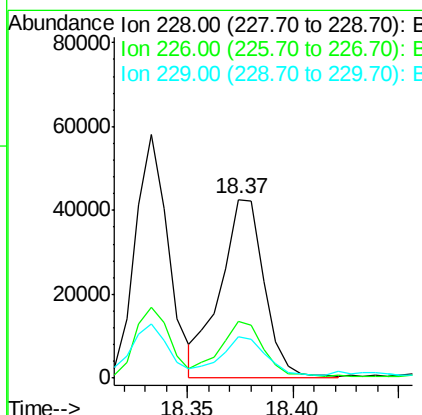
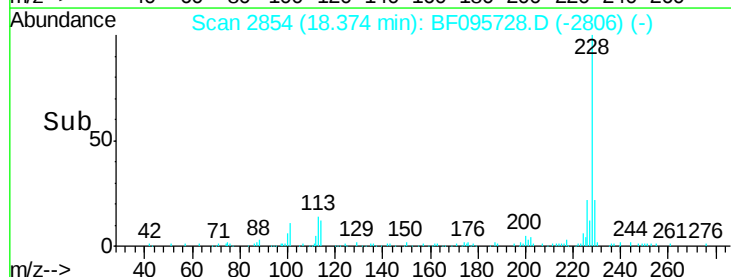
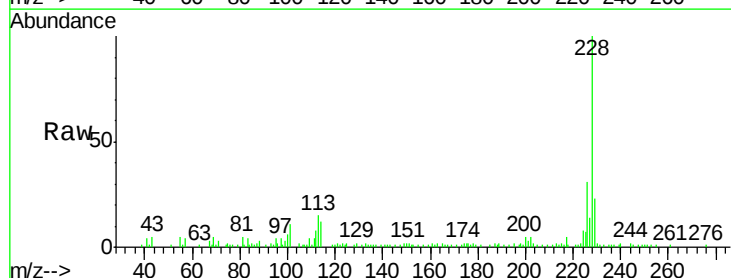
Manual Integrations
APPROVED

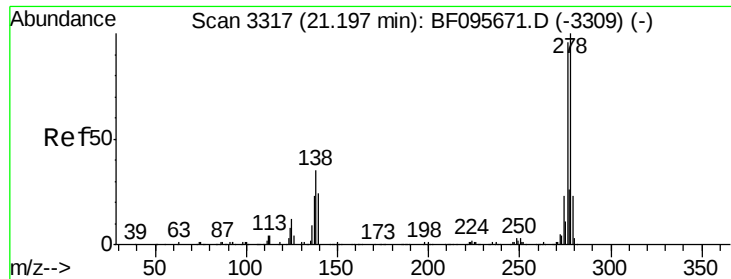
mohammad
6/7/2017 2:19:05 PM



#82
Chrysene
Concen: 7.303 ng
RT: 18.37 min Scan# 2854
Delta R.T. -0.02 min
Lab File: BF095728.D
Acq: 7 Jun 2017 1:20

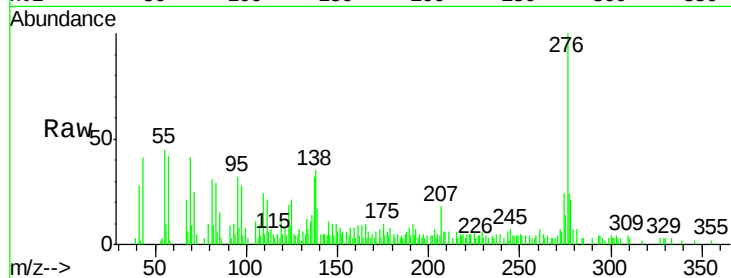
Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.4	24.9	37.3
229	23.2	15.8	23.6





#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.775 ng
 RT: 21.20 min Scan# 3334
 Delta R.T. -0.00 min
 Lab File: BF095728.D
 Acq: 7 Jun 2017 1:20

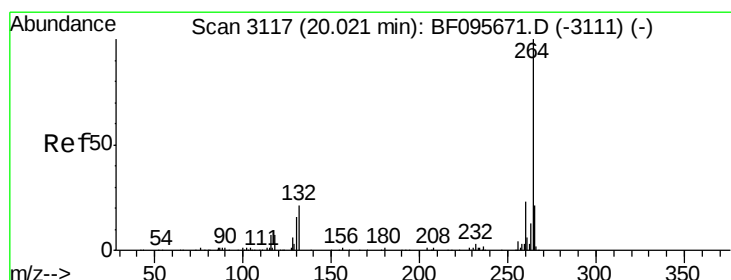
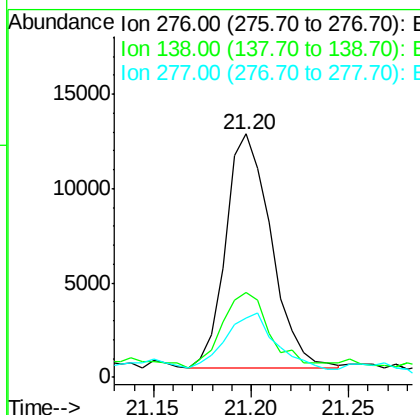
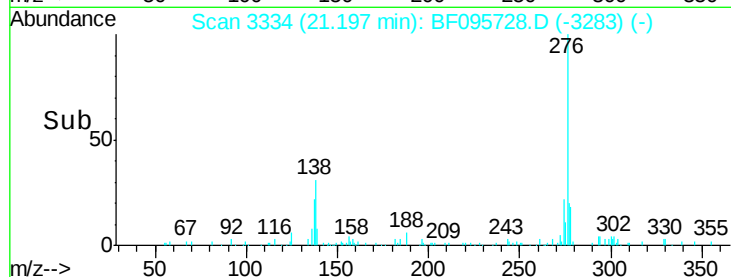
Instrument :
 BNA_F
 ClientSampleId :
 SU-04-060517



Tgt Ion	Ratio	Lower	Upper
276	100		
138	33.4	27.8	41.6
277	26.0	20.2	30.4

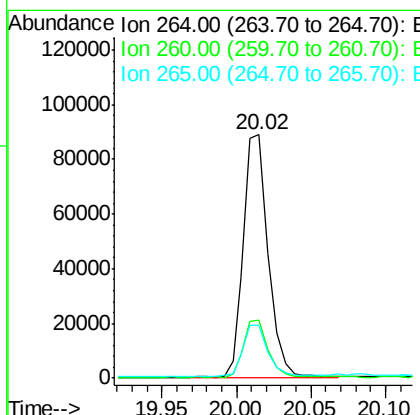
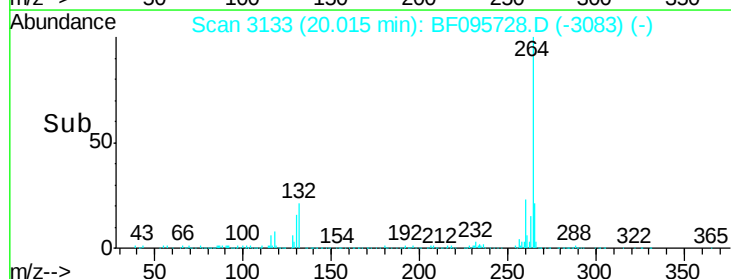
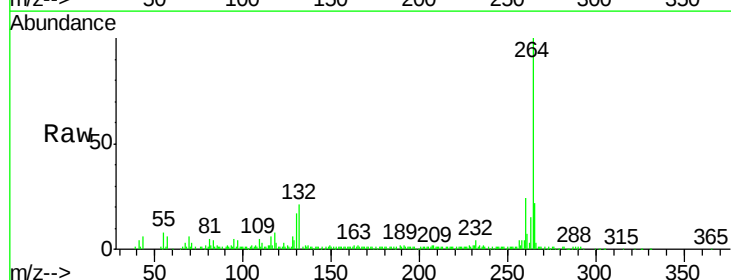
Manual Integrations
 APPROVED

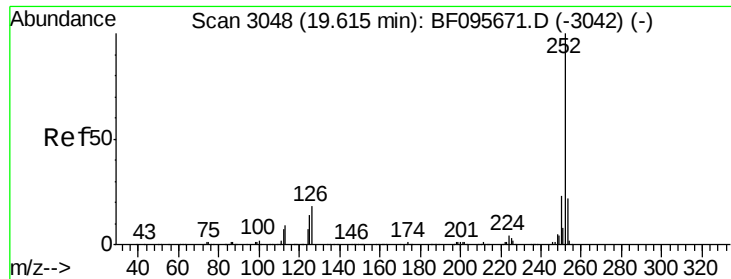
mohammad
 6/7/2017 2:19:05 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 20.02 min Scan# 3133
 Delta R.T. -0.01 min
 Lab File: BF095728.D
 Acq: 7 Jun 2017 1:20

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.5	29.3
265	21.5	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 8.337 ng m

RT: 19.61 min Scan# 3064

Delta R.T. -0.01 min

Lab File: BF095728.D

Acq: 7 Jun 2017 1:20

Instrument :

BNA_F

ClientSampleId :

SU-04-060517

Tgt Ion: 252 Resp: 54388

Ion Ratio Lower Upper

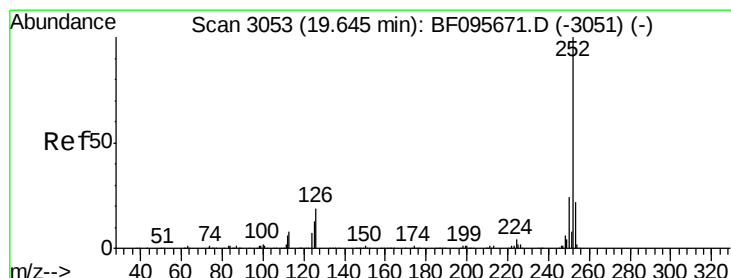
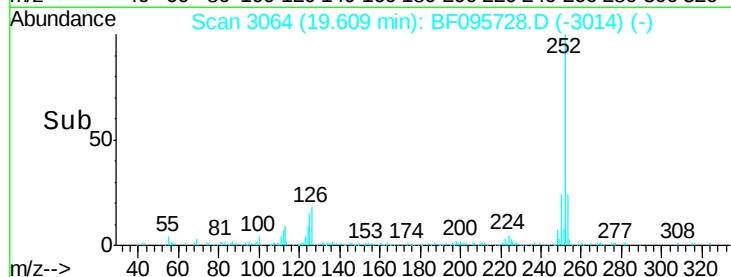
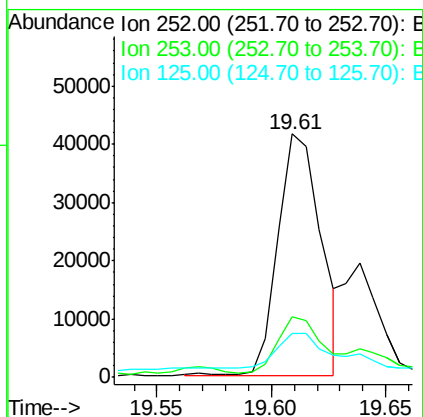
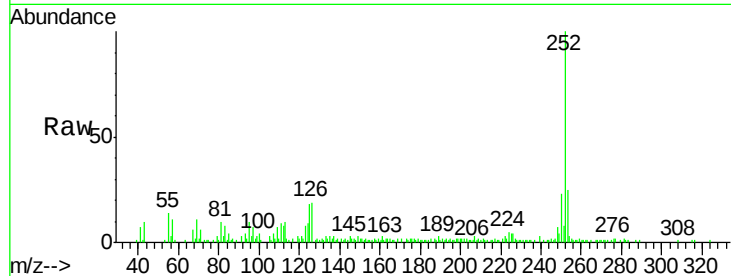
252 100

253 24.8 18.1 27.1

125 18.1 9.8 14.8#

Manual Integrations
APPROVED

mohammad
6/7/2017 2:19:05 PM



#88

Benzo(k)fluoranthene

Concen: 3.435 ng m

RT: 19.64 min Scan# 3069

Delta R.T. -0.01 min

Lab File: BF095728.D

Acq: 7 Jun 2017 1:20

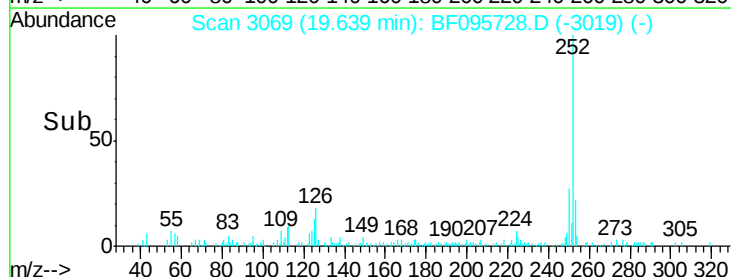
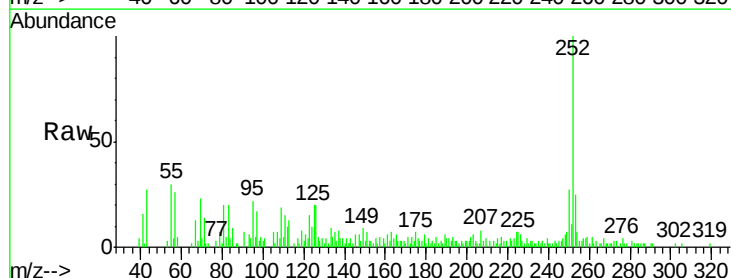
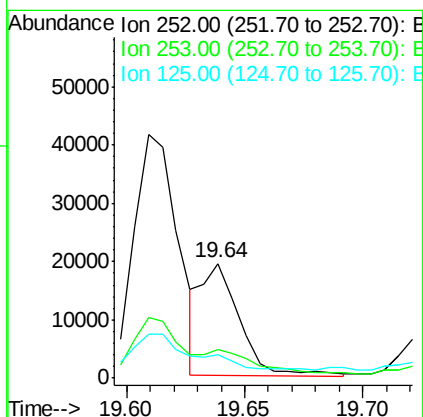
Tgt Ion: 252 Resp: 21421

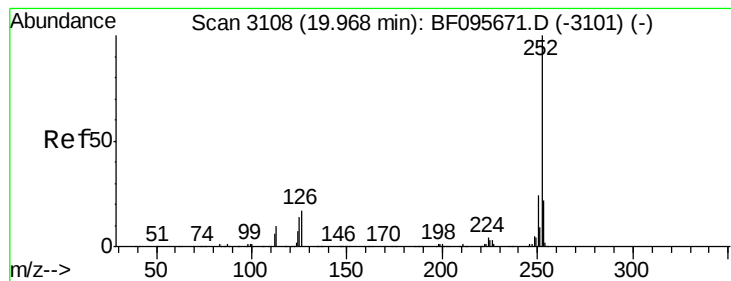
Ion Ratio Lower Upper

252 100

253 24.7 18.4 27.6

125 20.0 13.1 19.7#





#89

Benzo(a)pyrene

Concen: 6.576 ng

RT: 19.96 min Scan# 3124

Delta R.T. -0.01 min

Lab File: BF095728.D

Acq: 7 Jun 2017 1:20

Instrument :

BNA_F

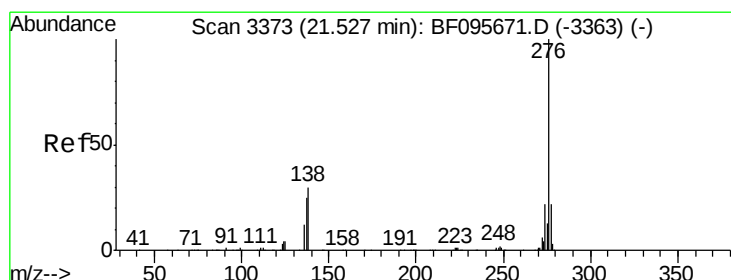
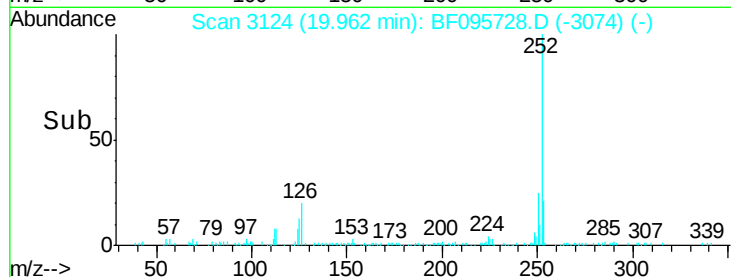
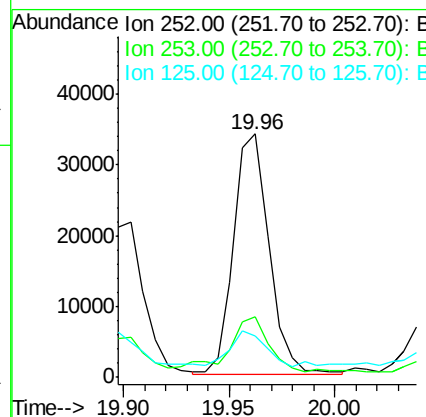
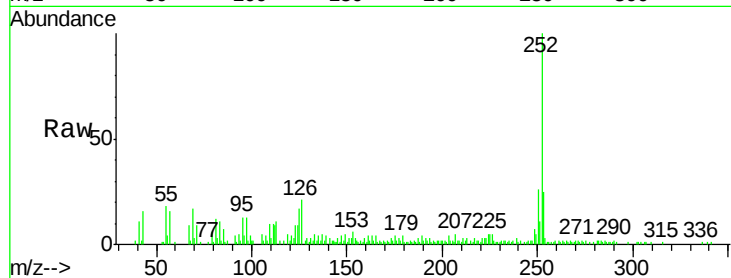
ClientSampleId :

SU-04-060517

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.5	26.3
125	17.1	11.0	16.4

Manual Integrations
APPROVED

mohammad
6/7/2017 2:19:05 PM



#91

Benzo(g,h,i)perylene

Concen: 3.784 ng

RT: 21.53 min Scan# 3391

Delta R.T. 0.01 min

Lab File: BF095728.D

Acq: 7 Jun 2017 1:20

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.2	18.6	28.0
138	35.6	25.4	38.0

