

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061017\
 Data File : BF095863.D
 Acq On : 10 Jun 2017 23:25
 Operator : SJ/MA
 Sample : I3594-04 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-060917-B

Manual Integrations
 APPROVED

mohammad
 6/12/2017 1:28:34 PM

Quant Time: Jun 12 08:47:23 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 05 16:15:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.37	152	64465	20.00	ng	-0.03
21) Naphthalene-d8	9.40	136	255645	20.00	ng	-0.04
38) Acenaphthene-d10	12.22	164	107051	20.00	ng	-0.04
63) Phenanthrene-d10	14.62	188	168220	20.00	ng	-0.03
75) Chrysene-d12	18.33	240	143851	20.00	ng	-0.02
86) Perylene-d12	20.01	264	105090	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	236487	58.46	ng	-0.02
7) Phenol-d6	6.93	99	289819	59.84	ng	-0.03
23) Nitrobenzene-d5	8.28	82	162873	39.57	ng	-0.04
41) 2,4,6-Tribromophenol	13.52	330	45651	48.20	ng	-0.03
44) 2-Fluorobiphenyl	11.17	172	310127	40.31	ng	-0.04
78) Terphenyl-d14	16.99	244	206689	35.66	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	11.87	163	37413	4.60	ng	99
70) Phenanthrene	14.65	178	79311	8.17	ng	100
71) Anthracene	14.74	178	36044	3.56	ng	96
74) Fluoranthene	16.43	202	168082	17.50	ng	92
77) Pyrene	16.74	202	196590	18.32	ng	97
80) Benzo(a)anthracene	18.33	228	92068	11.01	ng	93
82) Chrysene	18.37	228	82182	9.83	ng	98
85) Indeno(1,2,3-cd)pyrene	21.20	276	33340	4.66	ng	94
87) Benzo(b)fluoranthene	19.60	252	88929m	13.51	ng	
88) Benzo(k)fluoranthene	19.63	252	33781m	5.37	ng	
89) Benzo(a)pyrene	19.96	252	66696	11.03	ng	# 92
90) Dibenzo(a,h)anthracene	21.19	278	11420m	2.23	ng	
91) Benzo(a,h,i)perylene	21.53	276	30694	5.87	ng	93

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

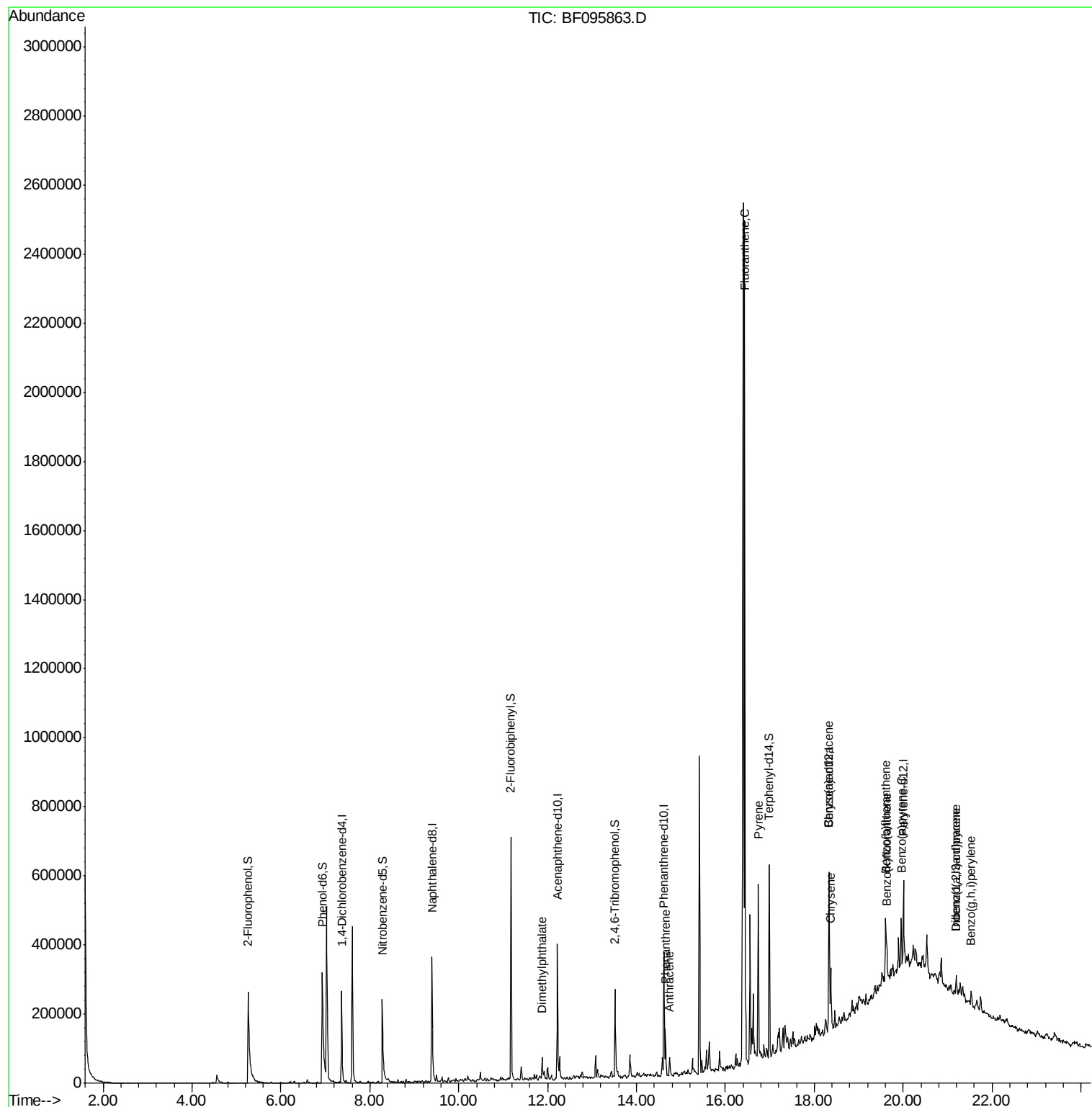
Data Path : Z:\HPCHEM1\BNA F\DATA\BF061017\
Data File : BF095863.D
Acq On : 10 Jun 2017 23:25
Operator : SJ/MA
Sample : I3594-04 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

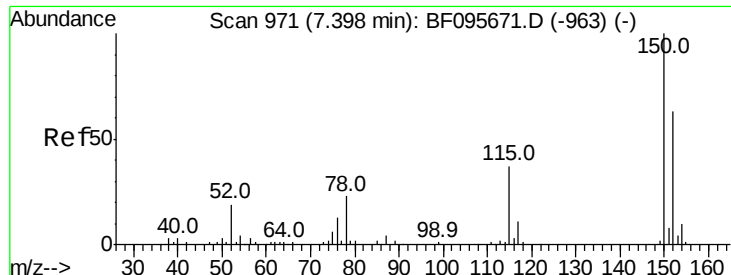
Instrument :
BNA_F
ClientSampled :
EO-01-060917-B

Manual Integrations
APPROVED

mohammad
6/12/2017 1:28:34 PM

Quant Time: Jun 12 08:47:23 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 05 16:15:31 2017
Response via : Initial Calibration





#1

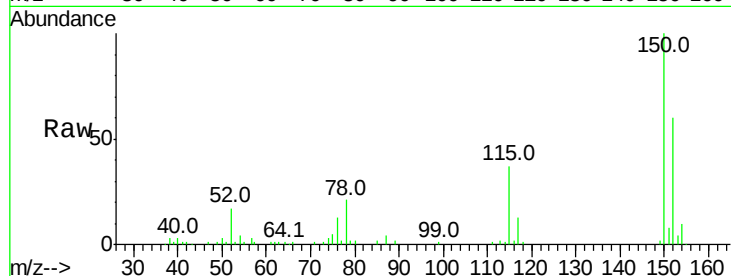
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.37 min Scan# 983
Delta R.T. -0.03 min
Lab File: BF095863.D
Acq: 10 Jun 2017 23:25

Instrument :
BNA_F
ClientSampleId :
EO-01-060917-B

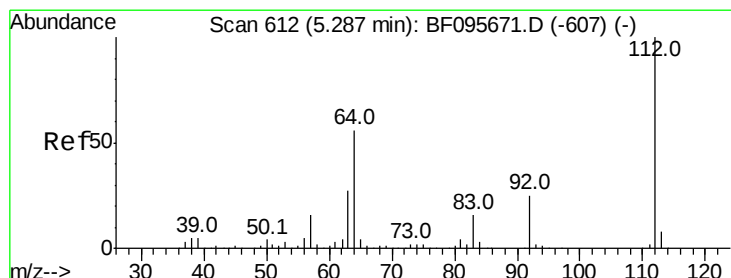
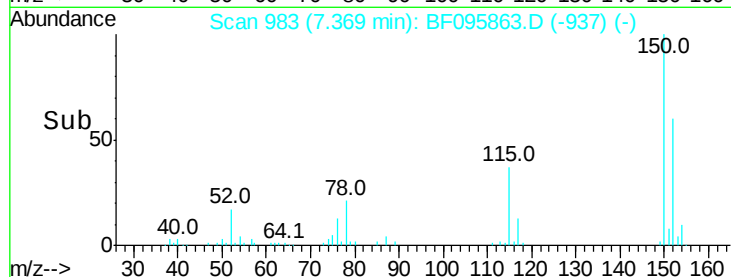
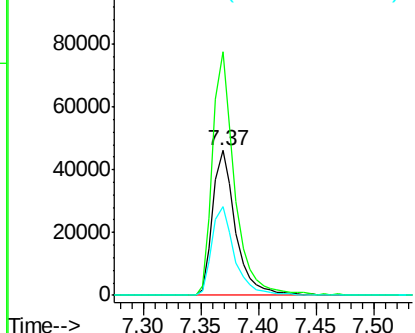
Tot Ion	Ratio	Lower	Upper
152	100		
150	167.9	126.2	189.2
115	61.5	52.2	78.2

Manual Integrations
APPROVED

mohammad
6/12/2017 1:28:34 PM



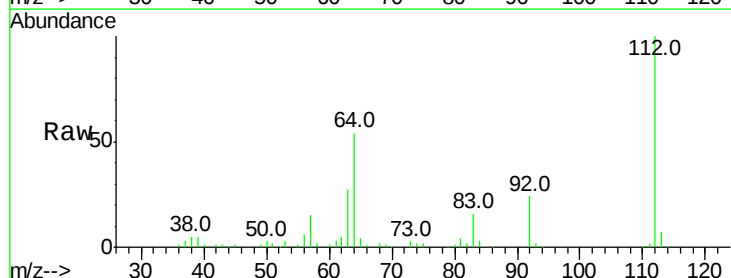
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



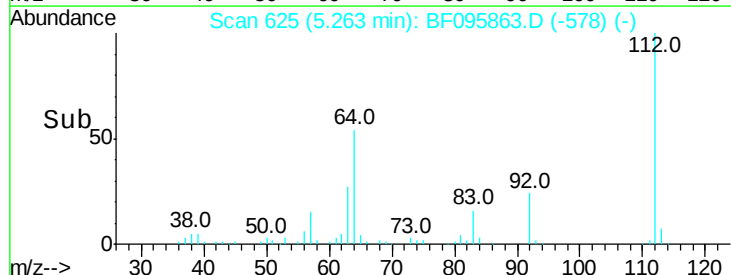
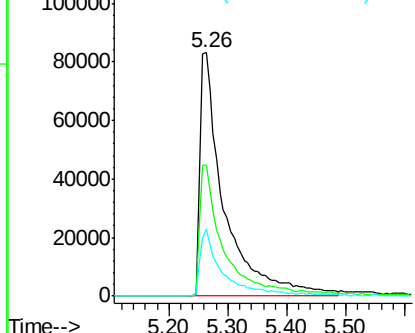
#5

2-Fluorophenol
Concen: 58.46 ng
RT: 5.26 min Scan# 625
Delta R.T. -0.02 min
Lab File: BF095863.D
Acq: 10 Jun 2017 23:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.9	46.0	69.0
63	27.5	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: 59.84 ng

RT: 6.93 min Scan# 908

Delta R.T. -0.03 min

Lab File: BF095863.D

Acq: 10 Jun 2017 23:25

Instrument :

BNA_F

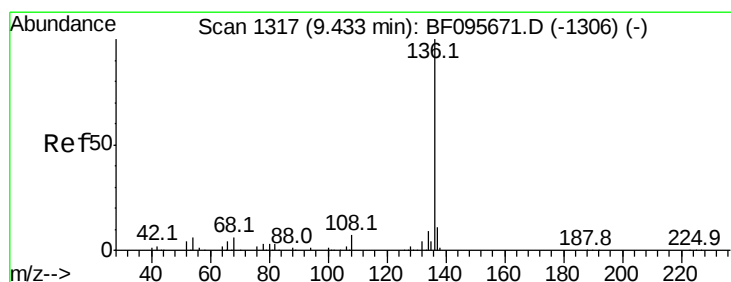
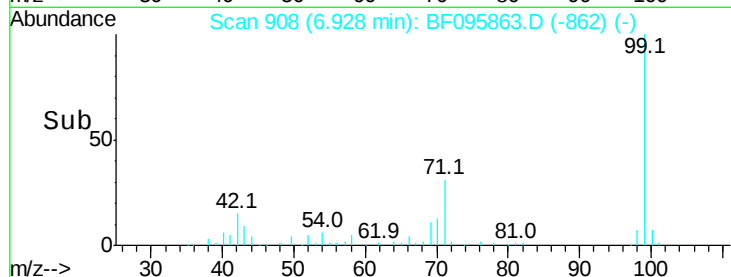
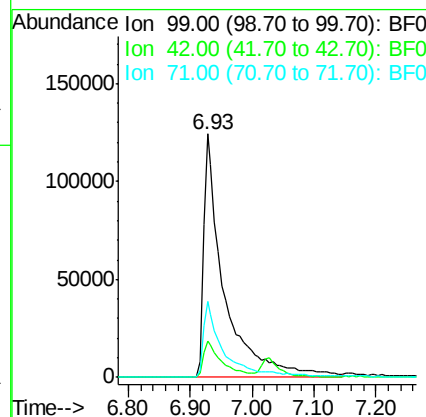
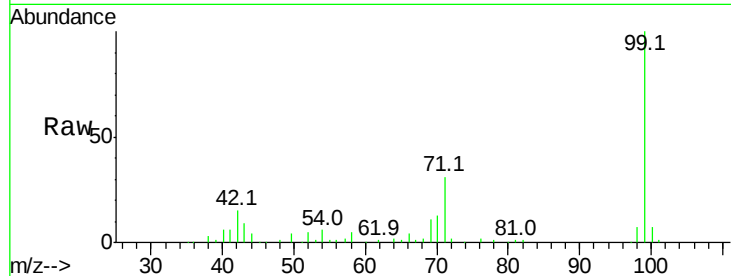
ClientSampleId :

EO-01-060917-B

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		289819		
42	15.1	13.5	20.3		
71	31.3	24.5	36.7		

Manual Integrations
APPROVED

mohammad
6/12/2017 1:28:34 PM



#21

Naphthalene-d8

Concen: 20.00 ng

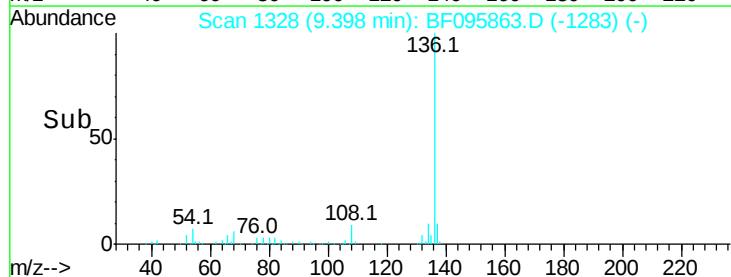
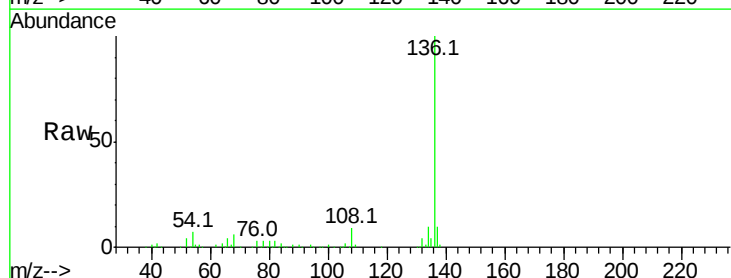
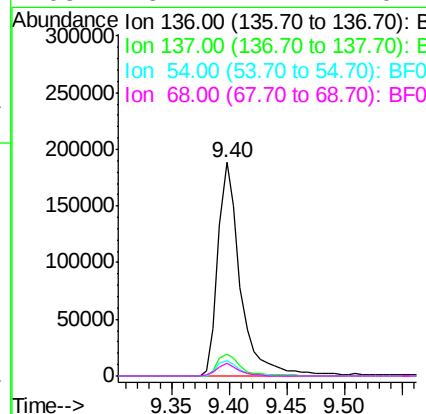
RT: 9.40 min Scan# 1328

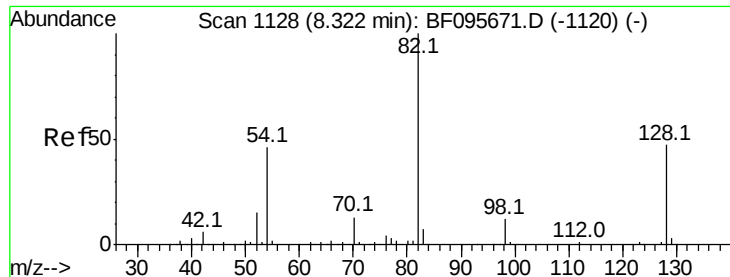
Delta R.T. -0.04 min

Lab File: BF095863.D

Acq: 10 Jun 2017 23:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		255645		
137	10.4	8.5	12.7		
54	7.1	4.9	7.3		
68	5.7	4.1	6.1		





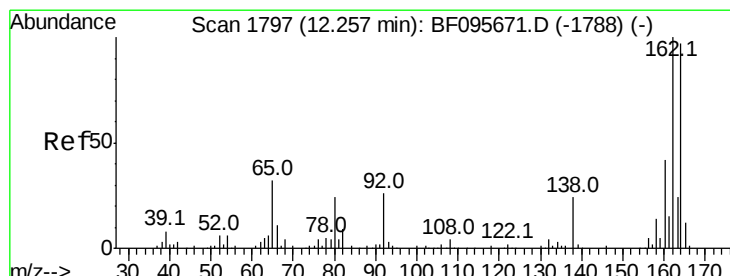
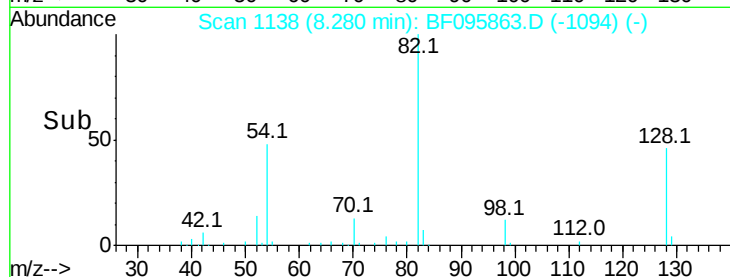
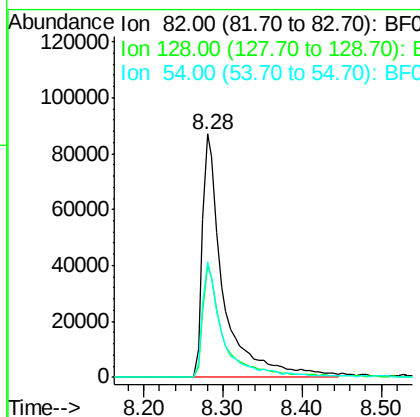
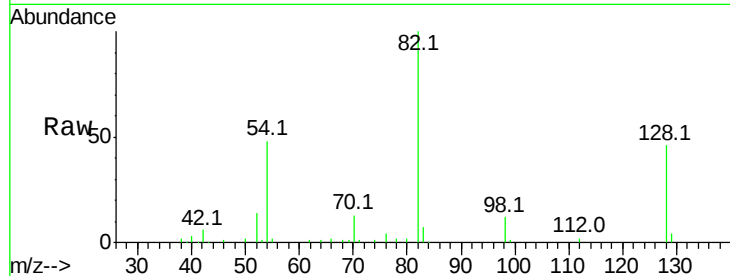
#23
 Nitrobenzene-d5
 Concen: 39.57 ng
 RT: 8.28 min Scan# 1138
 Delta R.T. -0.04 min
 Lab File: BF095863.D
 Acq: 10 Jun 2017 23:25

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-060917-B

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.9	34.0	51.0
54	47.6	42.2	63.2

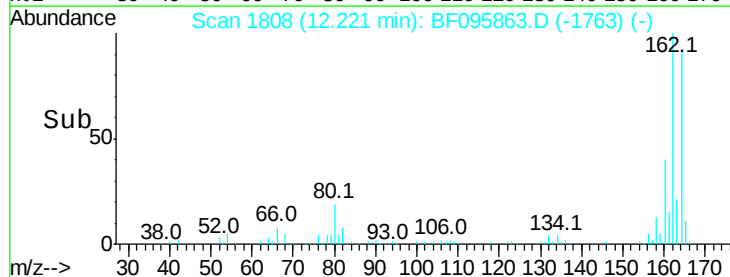
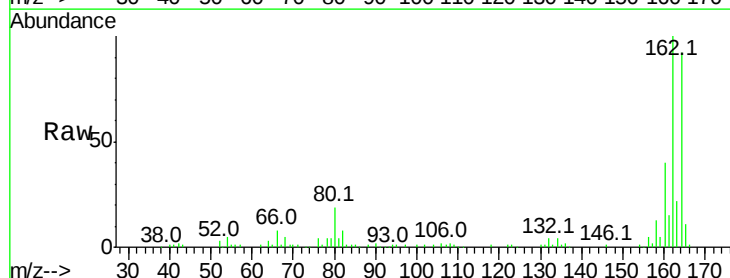
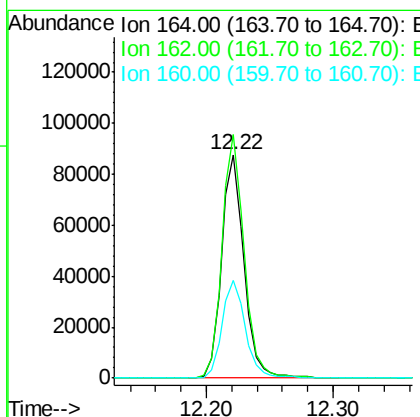
Manual Integrations
 APPROVED

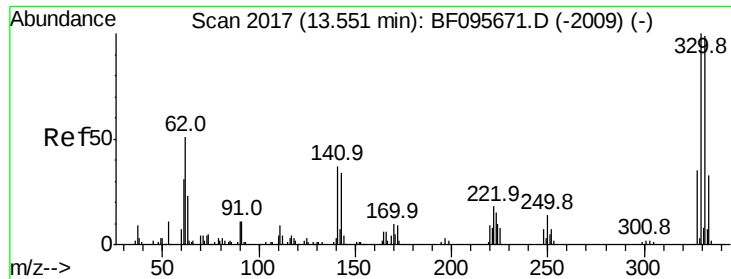
mohammad
 6/12/2017 1:28:34 PM



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.22 min Scan# 1808
 Delta R.T. -0.04 min
 Lab File: BF095863.D
 Acq: 10 Jun 2017 23:25

Tgt Ion	Ratio	Lower	Upper
164	100		
162	108.9	82.6	123.8
160	43.5	36.2	54.2





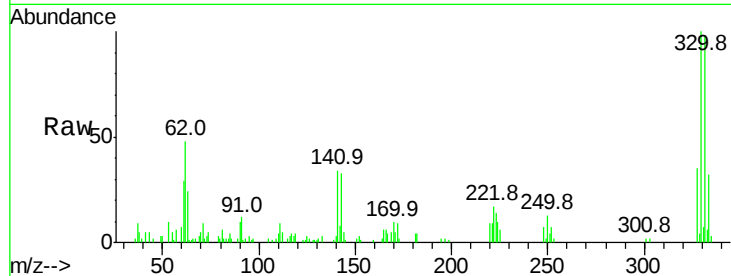
#41
 2,4,6-Tribromophenol
 Concen: 48.20 ng
 RT: 13.52 min Scan# 2029
 Delta R.T. -0.03 min
 Lab File: BF095863.D
 Acq: 10 Jun 2017 23:25

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-060917-B

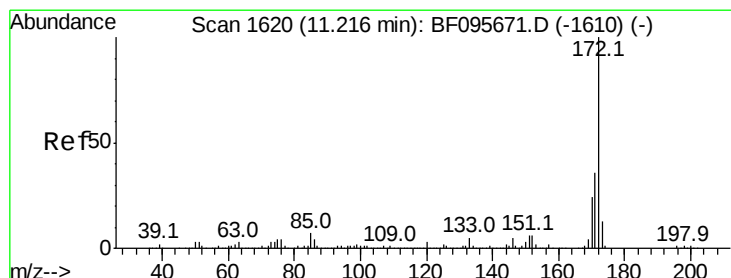
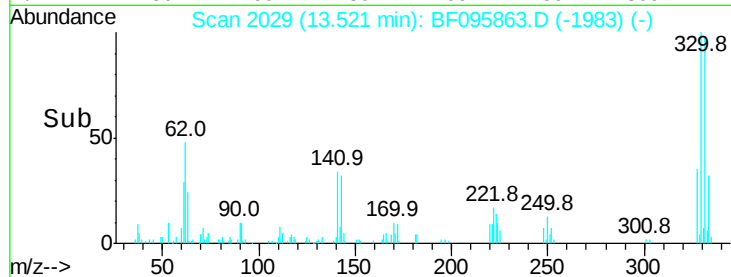
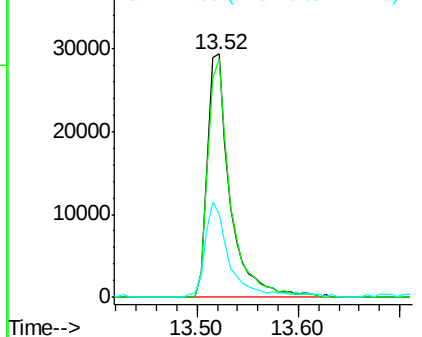
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.7	76.6	115.0	
141	41.1	31.4	47.2	

Manual Integrations
 APPROVED

mohammad
 6/12/2017 1:28:34 PM



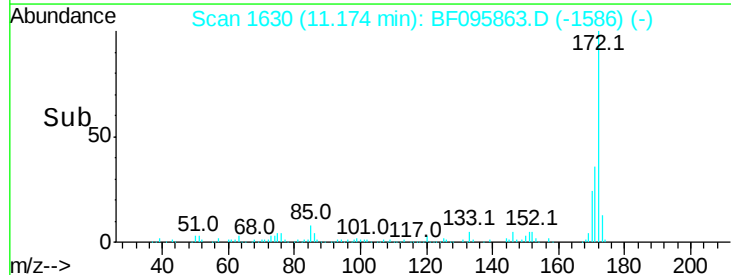
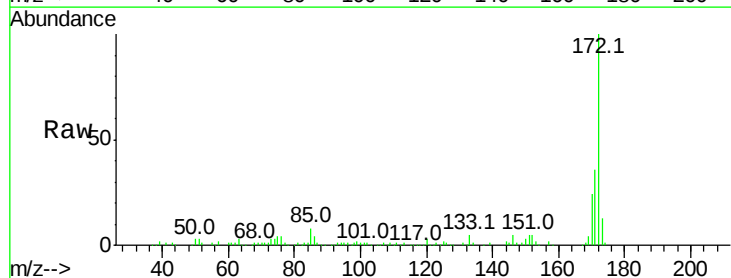
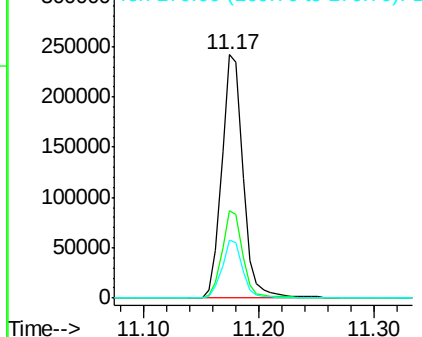
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

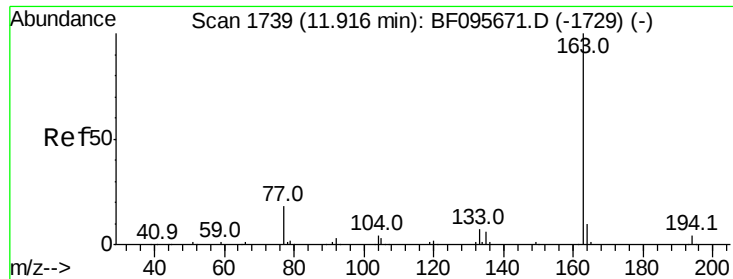


#44
 2-Fluorobiphenyl
 Concen: 40.31 ng
 RT: 11.17 min Scan# 1630
 Delta R.T. -0.04 min
 Lab File: BF095863.D
 Acq: 10 Jun 2017 23:25

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.0	29.6	44.4	
170	23.7	19.8	29.8	

Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





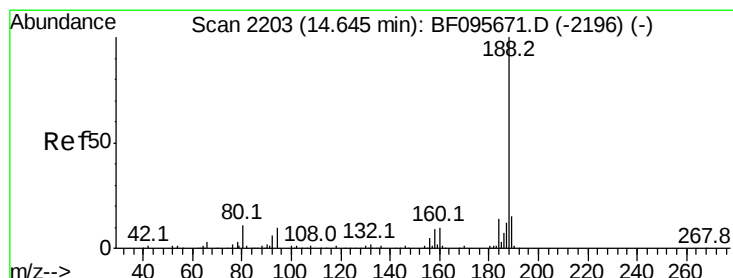
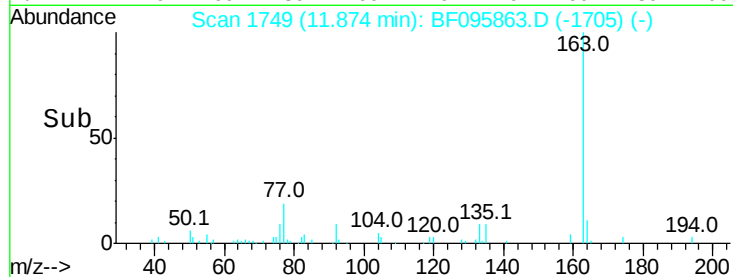
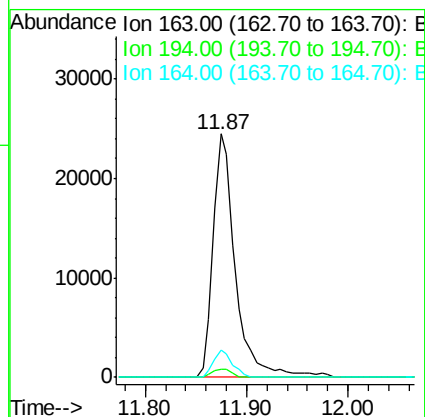
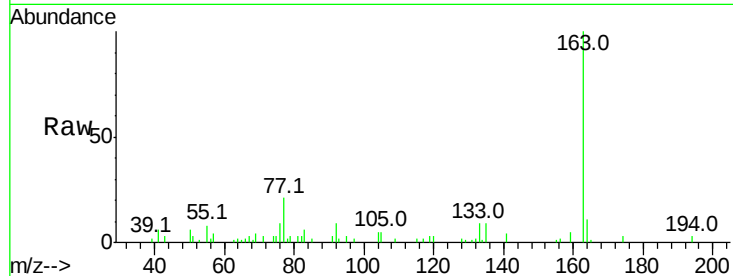
#49
Dimethylphthalate
Concen: 4.60 ng
RT: 11.87 min Scan# 1749
Delta R.T. -0.04 min
Lab File: BF095863.D
Acq: 10 Jun 2017 23:25

Instrument :
BNA_F
ClientSampleId :
EO-01-060917-B

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.6	4.0
164	11.1	8.4	12.6

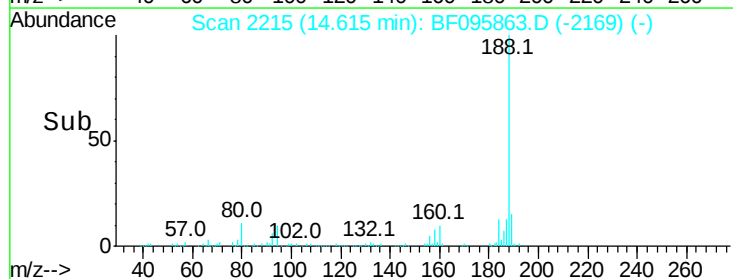
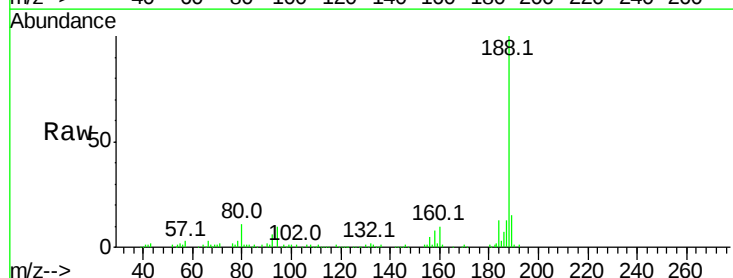
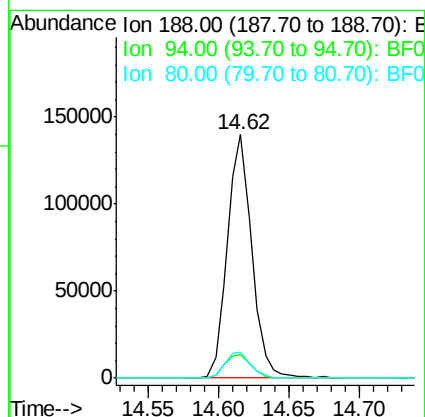
Manual Integrations
APPROVED

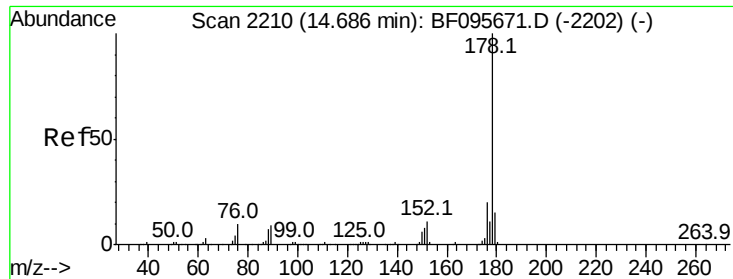
mohammad
6/12/2017 1:28:34 PM



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.62 min Scan# 2215
Delta R.T. -0.03 min
Lab File: BF095863.D
Acq: 10 Jun 2017 23:25

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.8	9.4	14.2
80	10.7	10.2	15.2





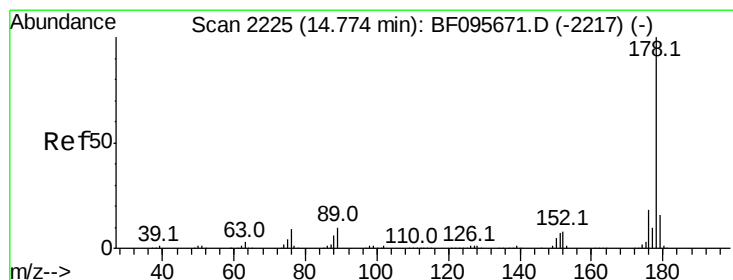
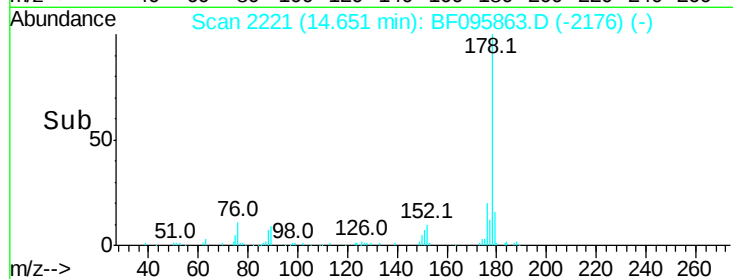
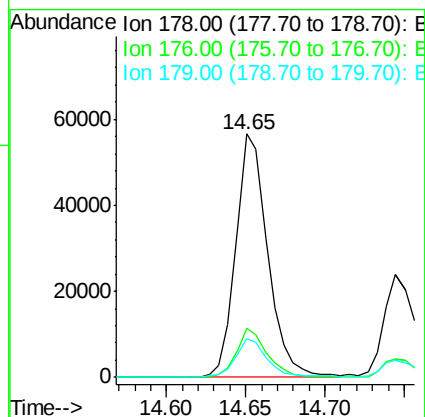
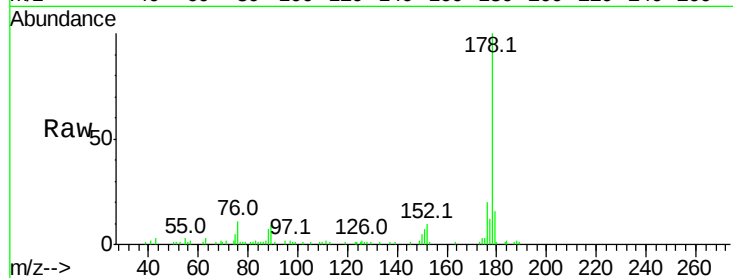
#70
Phenanthrene
Concen: 8.17 ng
RT: 14.65 min Scan# 2221
Delta R.T. -0.04 min
Lab File: BF095863.D
Acq: 10 Jun 2017 23:25

Instrument :
BNA_F
ClientSampleId :
EO-01-060917-B

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.2	16.2	24.4
179	15.9	12.6	19.0

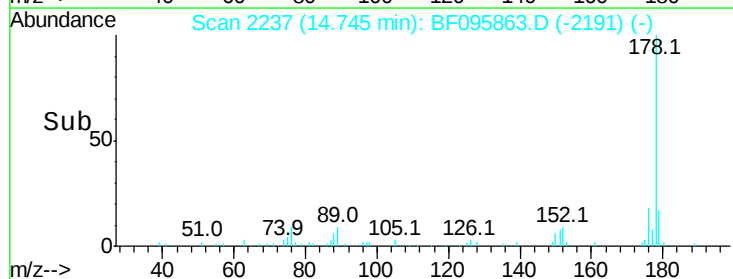
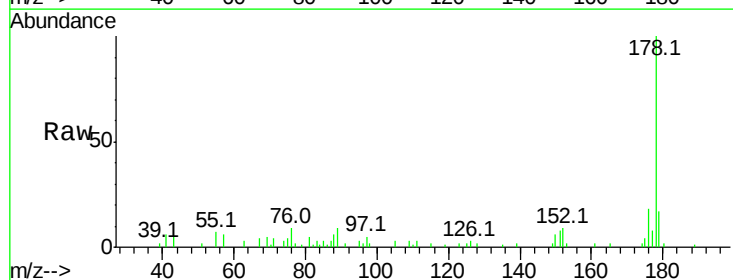
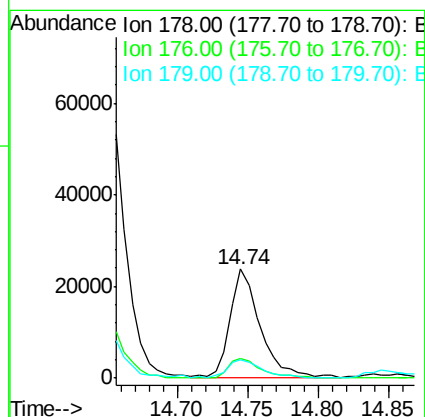
Manual Integrations
APPROVED

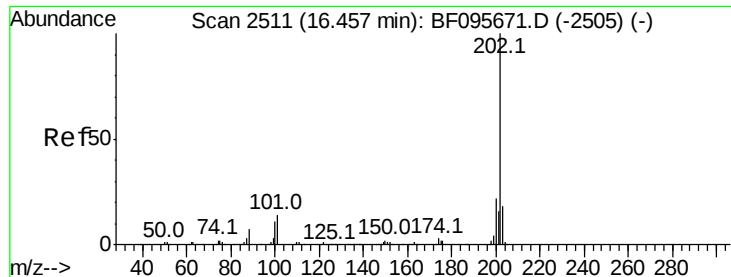
mohammad
6/12/2017 1:28:34 PM



#71
Anthracene
Concen: 3.56 ng
RT: 14.74 min Scan# 2237
Delta R.T. -0.03 min
Lab File: BF095863.D
Acq: 10 Jun 2017 23:25

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.5	15.8	23.8
179	16.8	12.7	19.1





#74

Fluoranthene

Concen: 17.50 ng

RT: 16.43 min Scan# 2524

Delta R.T. -0.02 min

Lab File: BF095863.D

Acq: 10 Jun 2017 23:25

Instrument :

BNA_F

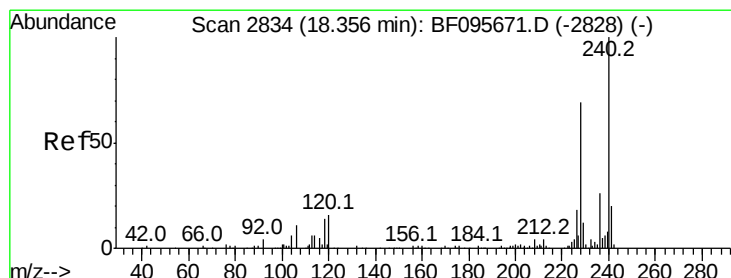
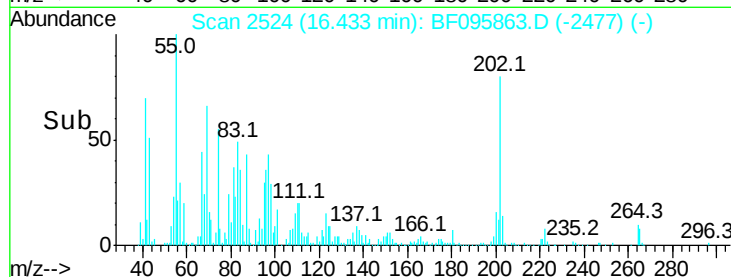
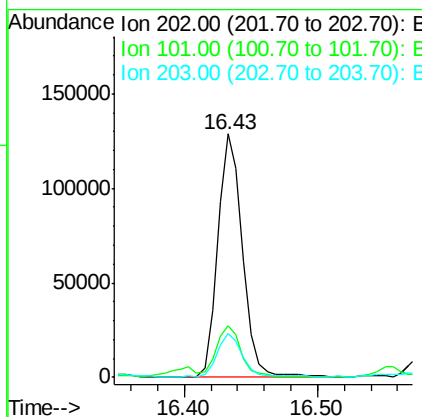
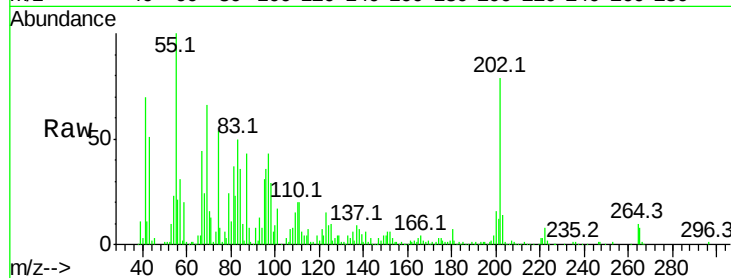
ClientSampleId :

EO-01-060917-B

Tot Ion:	202	Resp:	168082
Ion Ratio		Lower	Upper
202	100		
101	21.1	0.0	33.2
203	18.0	0.0	38.1

Manual Integrations
APPROVED

mohammad
6/12/2017 1:28:34 PM



#75

Chrysene-d12

Concen: 20.00 ng

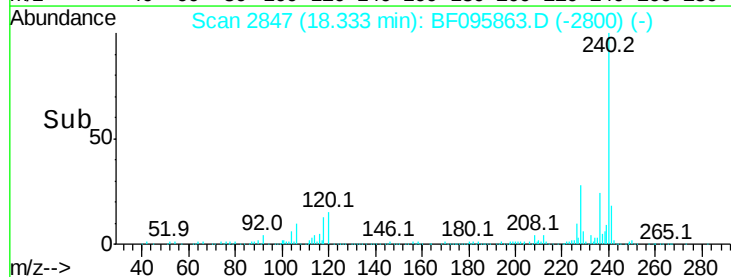
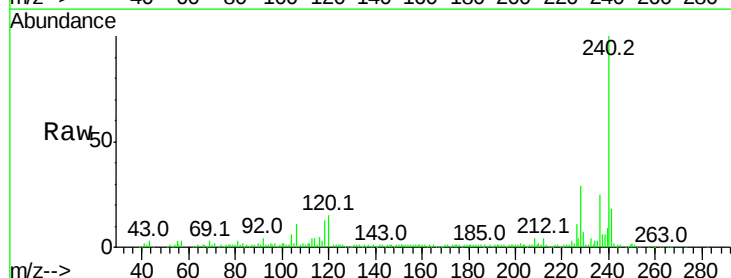
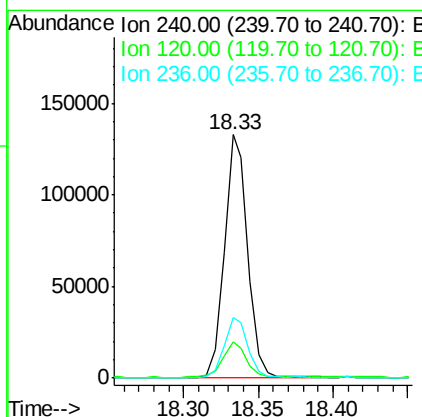
RT: 18.33 min Scan# 2847

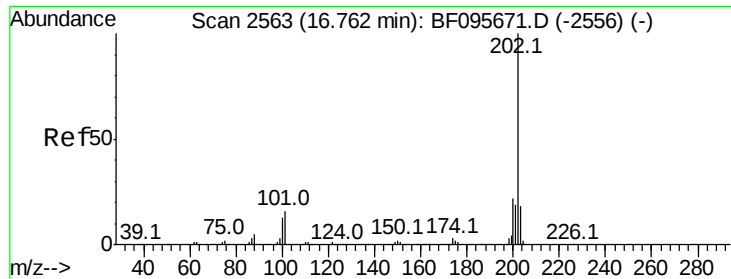
Delta R.T. -0.02 min

Lab File: BF095863.D

Acq: 10 Jun 2017 23:25

Tgt Ion:	240	Resp:	143851
Ion Ratio		Lower	Upper
240	100		
120	15.1	5.8	8.8#
236	24.7	20.5	30.7





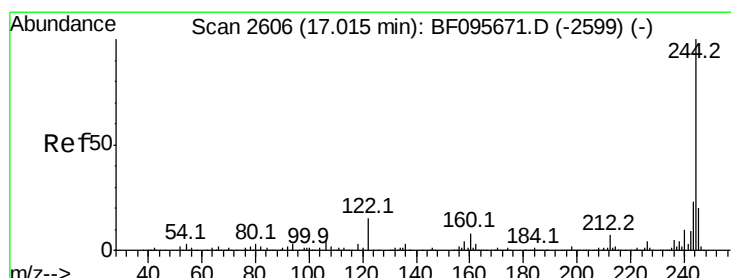
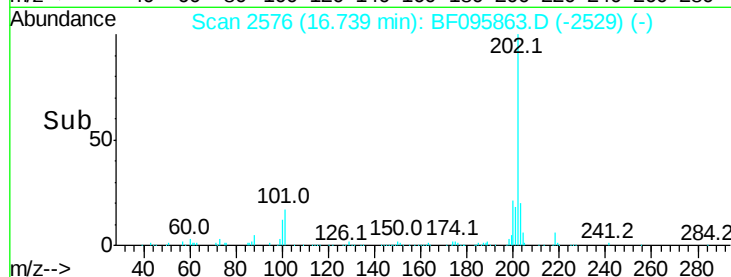
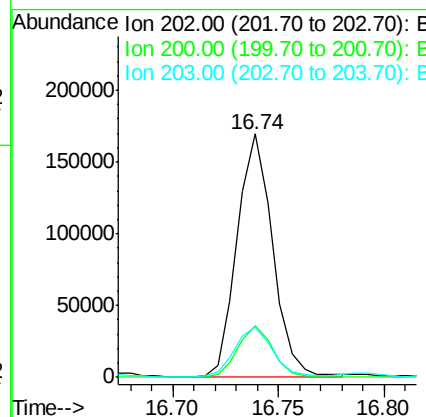
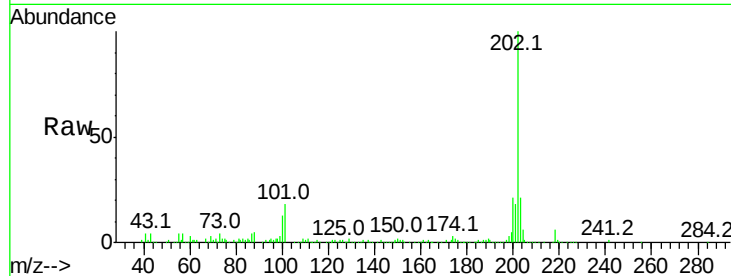
#77
Pvrene
Concen: 18.32 ng
RT: 16.74 min Scan# 2576
Delta R.T. -0.02 min
Lab File: BF095863.D
Acq: 10 Jun 2017 23:25

Instrument :
BNA_F
ClientSampleId :
EO-01-060917-B

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.4	17.6	26.4
203	20.7	14.4	21.6

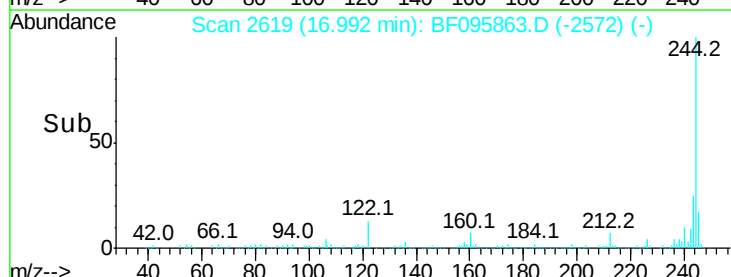
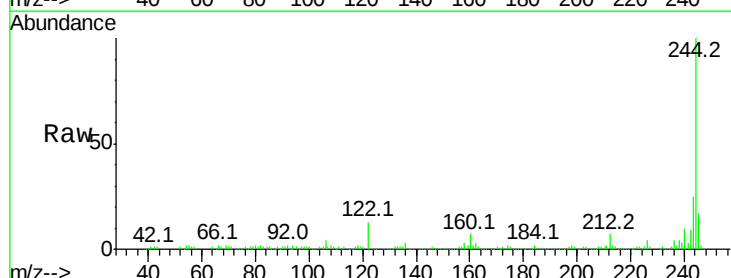
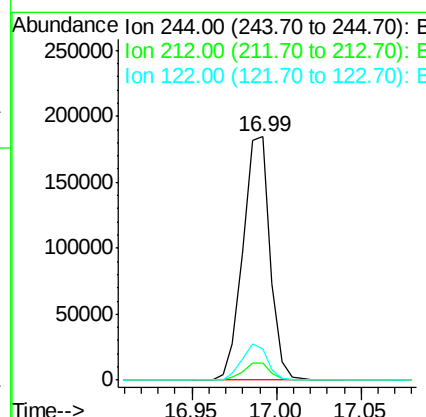
Manual Integrations
APPROVED

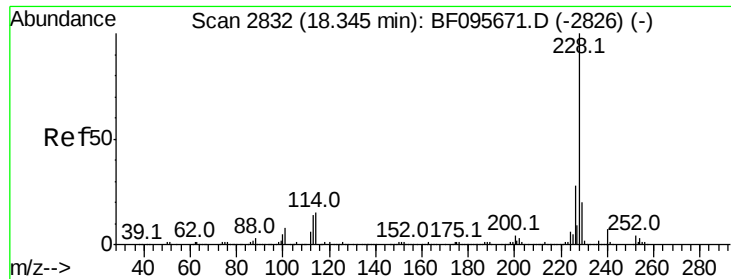
mohammad
6/12/2017 1:28:34 PM



#78
Terphenyl-d14
Concen: 35.66 ng
RT: 16.99 min Scan# 2619
Delta R.T. -0.02 min
Lab File: BF095863.D
Acq: 10 Jun 2017 23:25

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.8	6.0	9.0
122	12.9	10.3	15.5





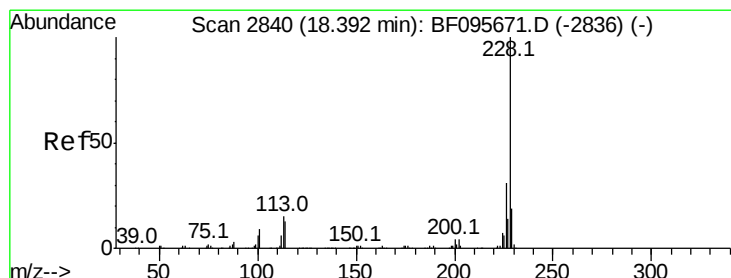
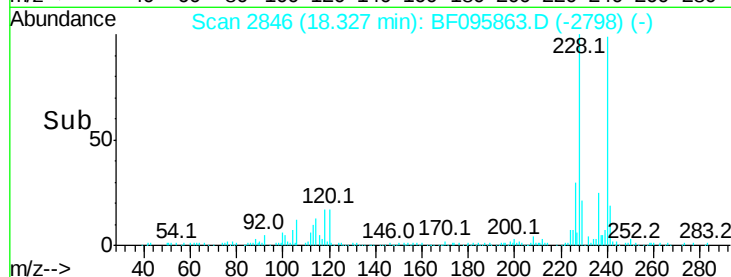
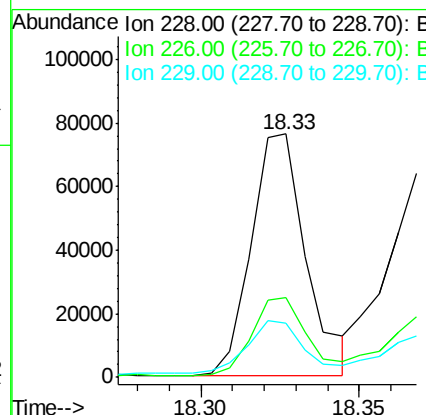
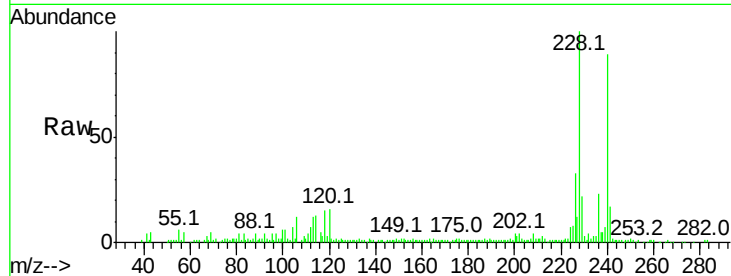
#80
Benzo(a)anthracene
Concen: 11.01 ng
RT: 18.33 min Scan# 2846
Delta R.T. -0.02 min
Lab File: BF095863.D
Acq: 10 Jun 2017 23:25

Instrument :
BNA_F
ClientSampleId :
EO-01-060917-B

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.8	22.6	33.8
229	22.0	16.3	24.5

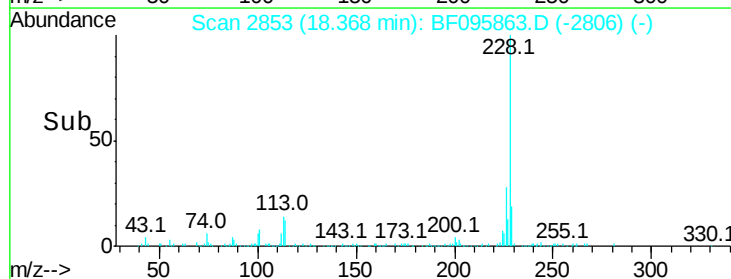
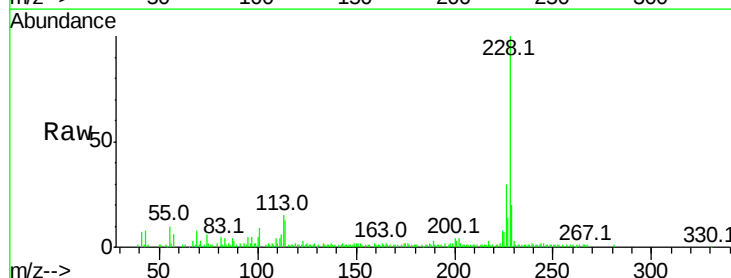
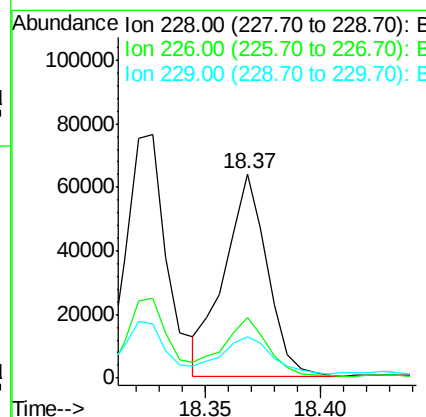
Manual Integrations
APPROVED

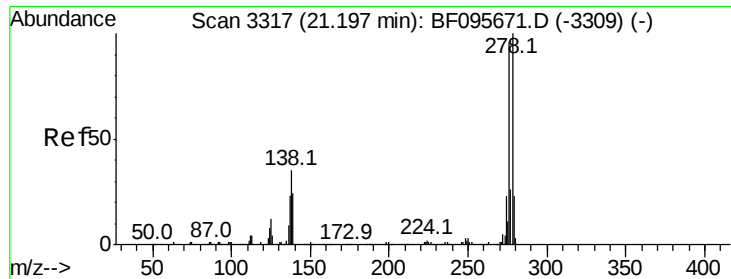
mohammad
6/12/2017 1:28:34 PM



#82
Chrysene
Concen: 9.83 ng
RT: 18.37 min Scan# 2853
Delta R.T. -0.02 min
Lab File: BF095863.D
Acq: 10 Jun 2017 23:25

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.9	37.3
229	20.5	15.8	23.6





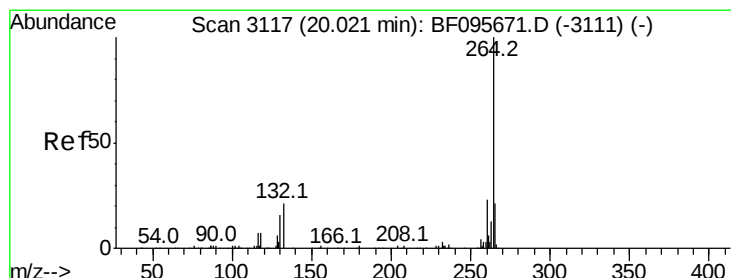
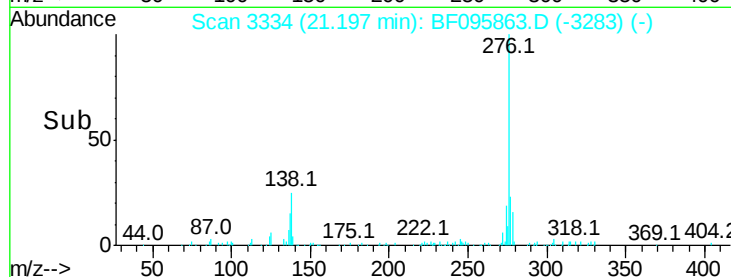
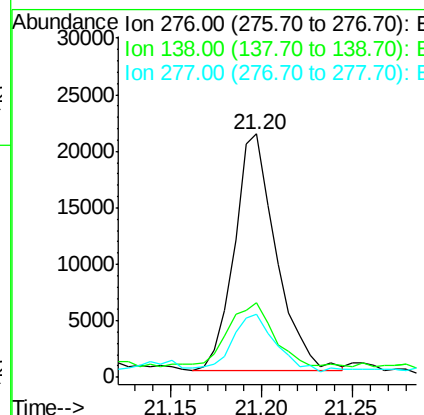
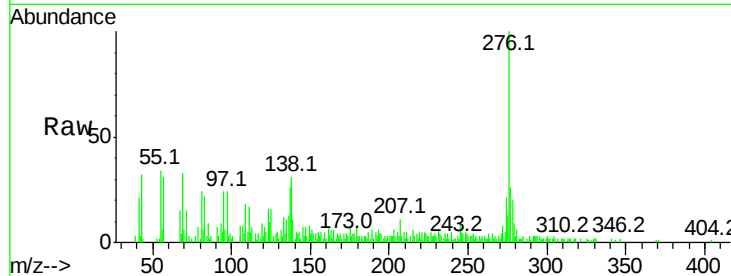
#85
Indeno(1,2,3-cd)pyrene
Concen: 4.66 ng
RT: 21.20 min Scan# 3334
Delta R.T. -0.00 min
Lab File: BF095863.D
Acq: 10 Jun 2017 23:25

Instrument :
BNA_F
ClientSampleId :
EO-01-060917-B

Tot Ion	Ratio	Lower	Upper
276	100		
138	28.5	27.8	41.6
277	25.0	20.2	30.4

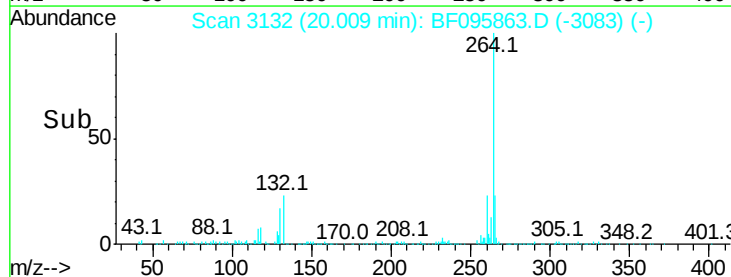
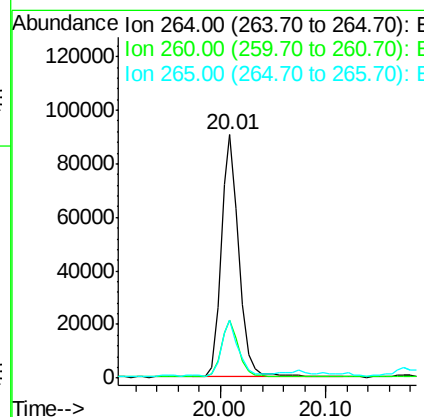
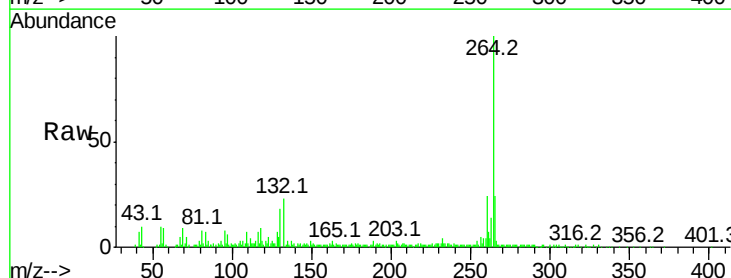
Manual Integrations
APPROVED

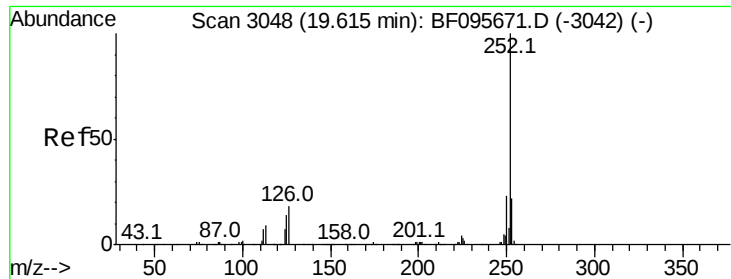
mohammad
6/12/2017 1:28:34 PM



#86
Perylene-d12
Concen: 20.00 ng
RT: 20.01 min Scan# 3132
Delta R.T. -0.01 min
Lab File: BF095863.D
Acq: 10 Jun 2017 23:25

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.5	29.3
265	23.6	17.2	25.8





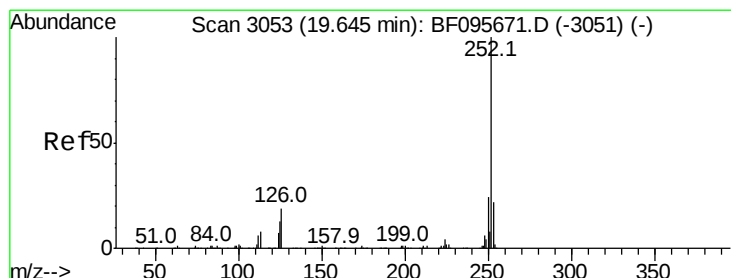
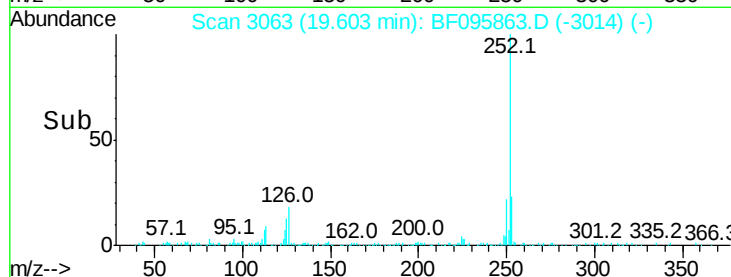
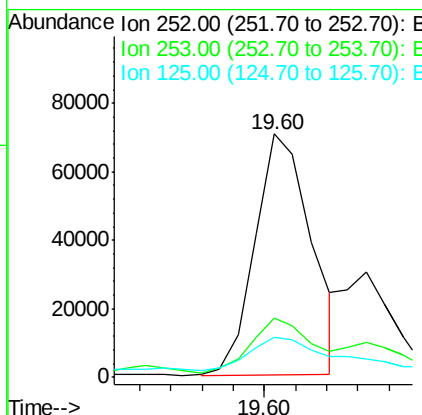
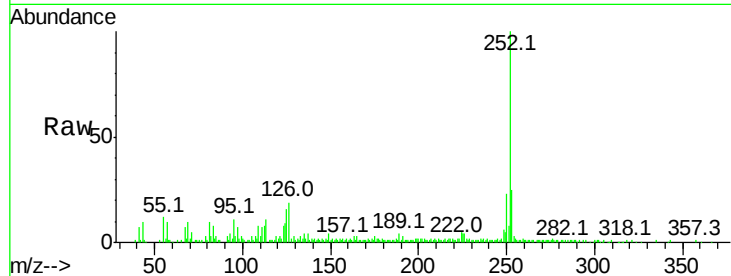
#87
Benzo(b)fluoranthene
Concen: 13.51 ng m
RT: 19.60 min Scan# 3063
Delta R.T. -0.01 min
Lab File: BF095863.D
Acq: 10 Jun 2017 23:25

Instrument :
BNA_F
ClientSampleId :
EO-01-060917-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.1	27.1
125	16.3	9.8	14.8

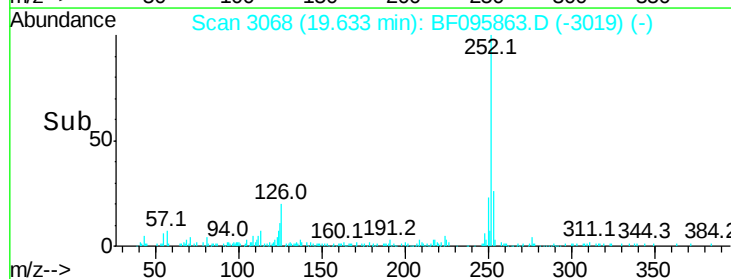
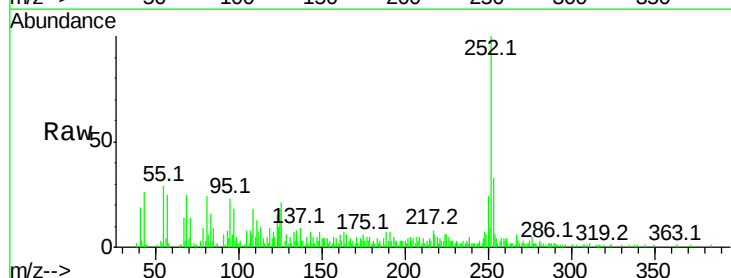
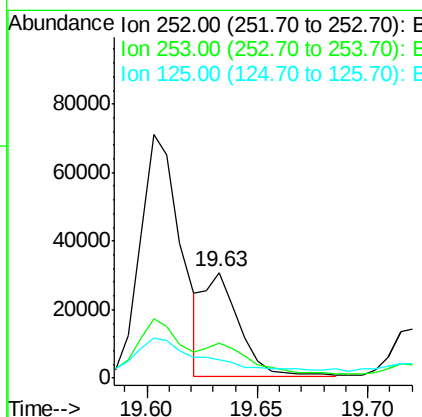
Manual Integrations
APPROVED

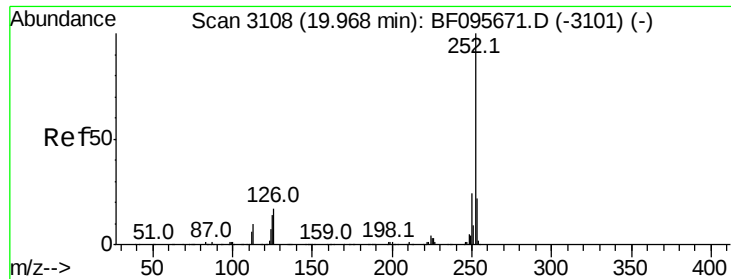
mohammad
6/12/2017 1:28:34 PM



#88
Benzo(k)fluoranthene
Concen: 5.37 ng m
RT: 19.63 min Scan# 3068
Delta R.T. -0.01 min
Lab File: BF095863.D
Acq: 10 Jun 2017 23:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	33.3	18.4	27.6
125	17.9	13.1	19.7





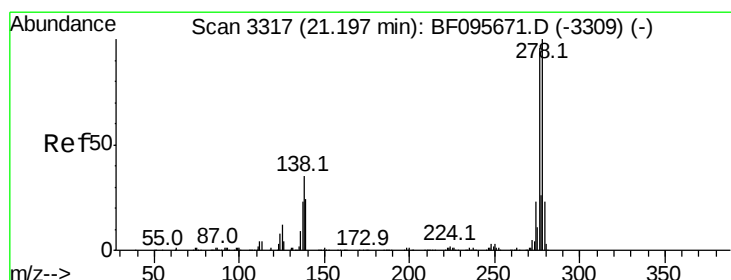
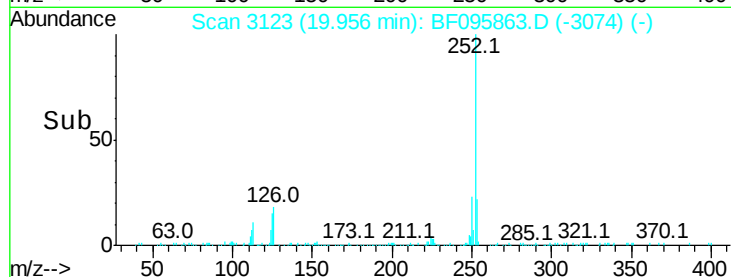
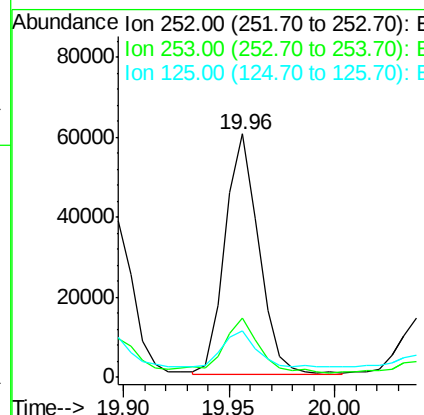
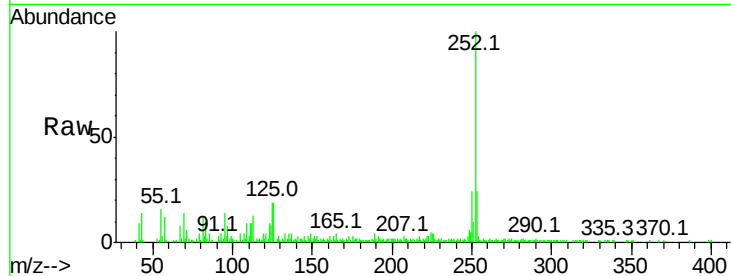
#89
Benzo(a)pyrene
Concen: 11.03 ng
RT: 19.96 min Scan# 3123
Delta R.T. -0.01 min
Lab File: BF095863.D
Acq: 10 Jun 2017 23:25

Instrument :
BNA_F
ClientSampleId :
EO-01-060917-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.5	26.3
125	19.2	11.0	16.4

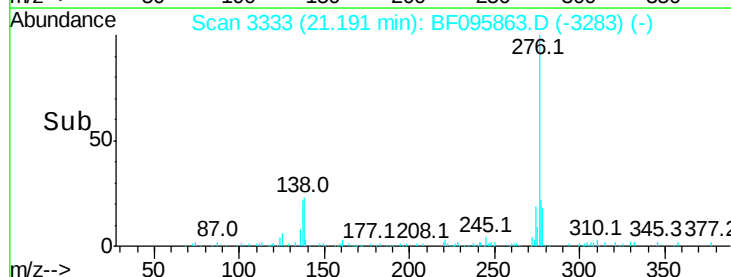
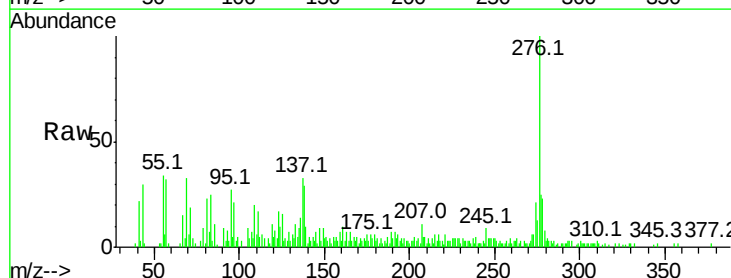
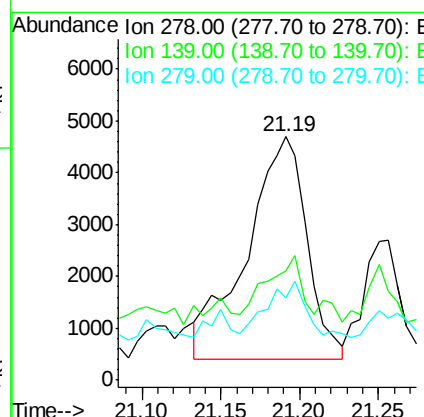
Manual Integrations
APPROVED

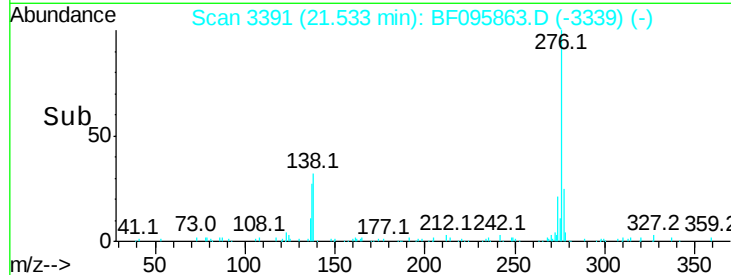
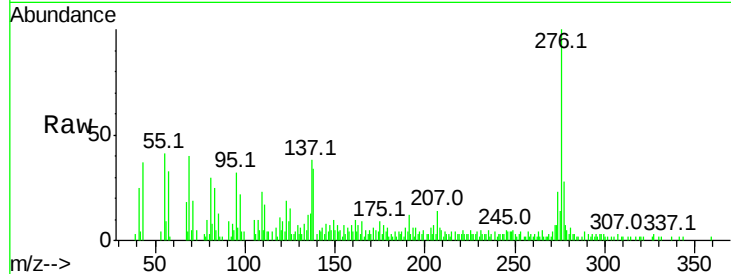
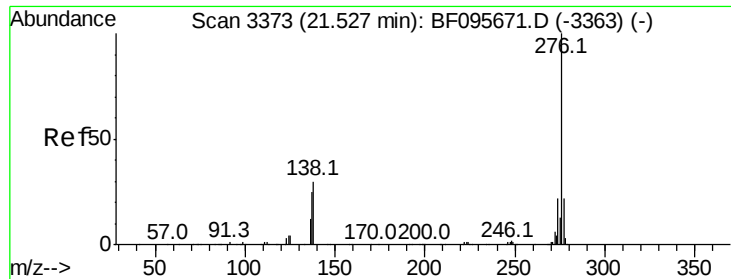
mohammad
6/12/2017 1:28:34 PM



#90
Dibenzo(a,h)anthracene
Concen: 2.23 ng m
RT: 21.19 min Scan# 3333
Delta R.T. -0.01 min
Lab File: BF095863.D
Acq: 10 Jun 2017 23:25

Tgt Ion	Ratio	Lower	Upper
278	100		
139	44.8	16.6	24.8
279	33.6	19.3	28.9





#91
 Benzo(a,h,i)perylene
 Concen: 5.87 ng
 RT: 21.53 min Scan# 3391
 Delta R.T. 0.01 min
 Lab File: BF095863.D
 Acq: 10 Jun 2017 23:25

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-060917-B

Tot Ion	Ratio	Lower	Upper
276	100		
277	28.0	18.6	28.0
138	34.5	25.4	38.0

Manual Integrations
 APPROVED

mohammad
 6/12/2017 1:28:34 PM

