

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052517\
 Data File : BF095441.D
 Acq On : 26 May 2017 00:40
 Operator : SJ/MA
 Sample : I3200-10 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-40-20170517

Manual Integrations
 APPROVED

mohammad
 5/26/2017 1:26:39 PM

Quant Time: May 26 04:27:37 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 18 17:07:53 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	92412	20.00	ng	-0.02
21) Naphthalene-d8	9.77	136	315049	20.00	ng	-0.01
38) Acenaphthene-d10	12.60	164	149376	20.00	ng	-0.02
63) Phenanthrene-d10	15.00	188	215746	20.00	ng	-0.02
75) Chrysene-d12	18.68	240	183918	20.00	ng	-0.02
86) Perylene-d12	20.36	264	129026	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.73	112	254066	45.84	ng	0.00
7) Phenol-d6	7.31	99	315230	47.40	ng	0.00
23) Nitrobenzene-d5	8.65	82	175757	35.18	ng	-0.02
41) 2,4,6-Tribromophenol	13.91	330	50879	41.59	ng	-0.01
44) 2-Fluorobiphenyl	11.54	172	358205	34.52	ng	-0.02
78) Terphenyl-d14	17.32	244	222344	26.63	ng	-0.03
Target Compounds						Qvalue
48) Acenaphthylene	12.38	152	42457	2.67	ng	95
49) Dimethylphthalate	12.24	163	88560	7.22	ng	98
70) Phenanthrene	15.04	178	207268	16.72	ng	98
71) Anthracene	15.13	178	46183m	3.65	ng	
74) Fluoranthene	16.78	202	309201	24.32	ng	99
77) Pyrene	17.09	202	304671	22.15	ng	98
80) Benzo(a)anthracene	18.67	228	138697m	12.96	ng	
82) Chrysene	18.71	228	133997	12.95	ng	97
83) Bis(2-ethylhexyl)phthalate	18.72	149	305673	33.53	ng	# 99
85) Indeno(1,2,3-cd)pyrene	21.69	276	48850	5.81	ng	95
87) Benzo(b)fluoranthene	19.95	252	135913m	17.05	ng	
88) Benzo(k)fluoranthene	19.98	252	52015m	6.76	ng	
89) Benzo(a)pyrene	20.30	252	92804	12.61	ng	# 95
90) Dibenzo(a,h)anthracene	21.69	278	12370	2.04	ng	# 71
91) Benzo(a,h,i)perylene	22.09	276	54902	9.21	ng	95

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

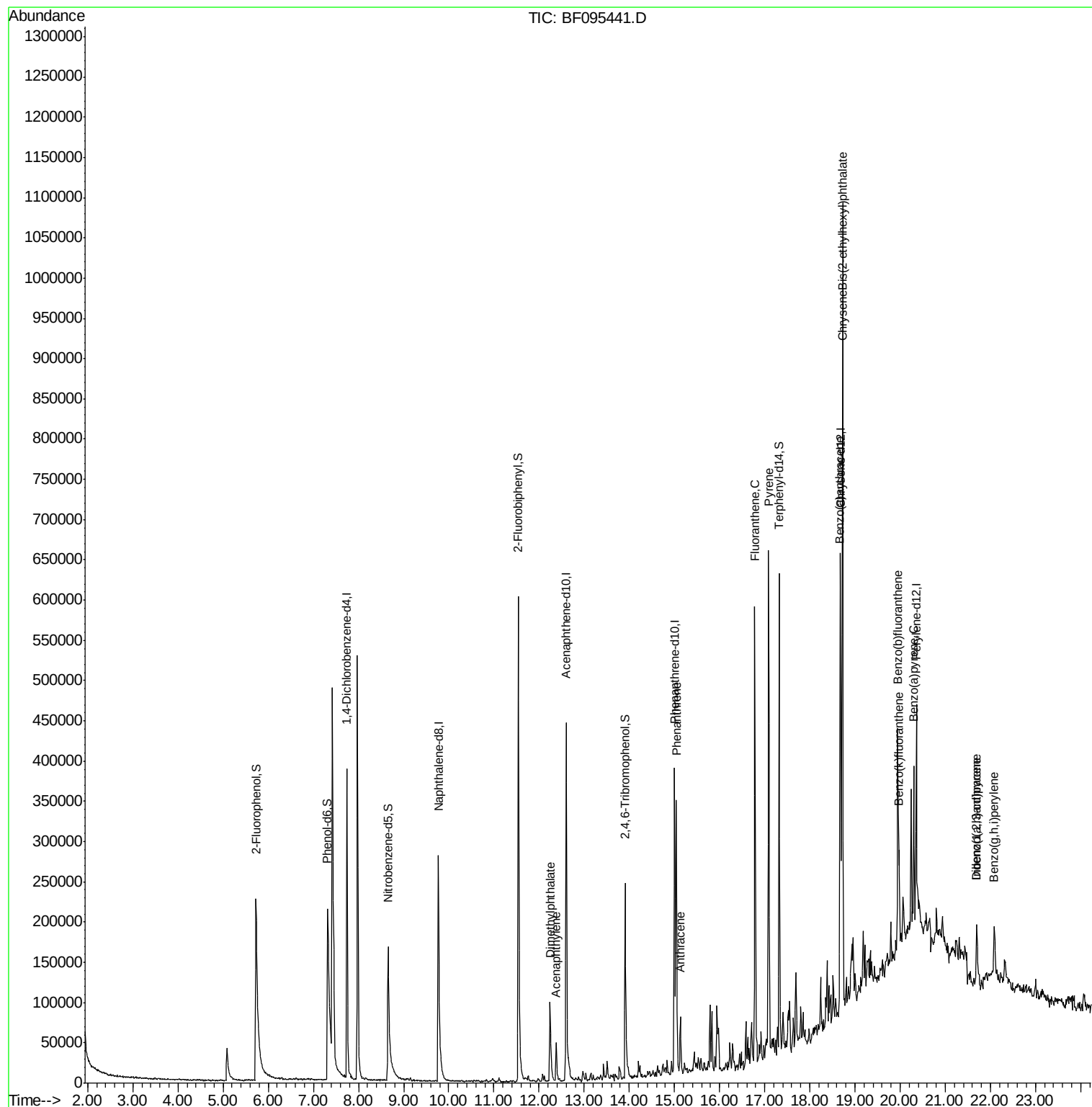
Data Path : Z:\HPCHEM1\BNA F\DATA\BF052517\
Data File : BF095441.D
Acq On : 26 May 2017 00:40
Operator : SJ/MA
Sample : I3200-10 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

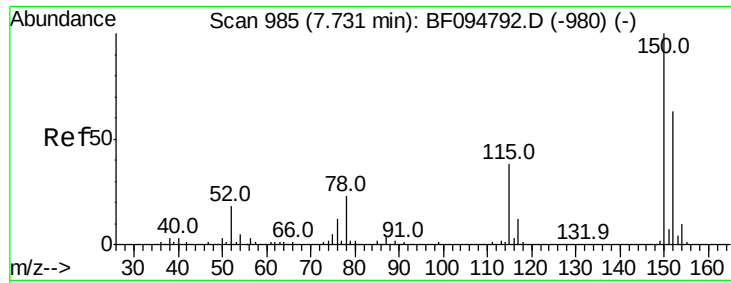
Instrument :
BNA_F
ClientSampleId :
POST-EX-40-20170517

Manual Integrations
APPROVED

mohammad
5/26/2017 1:26:39 PM

Quant Time: May 26 04:27:37 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 18 17:07:53 2017
Response via : Initial Calibration





#1

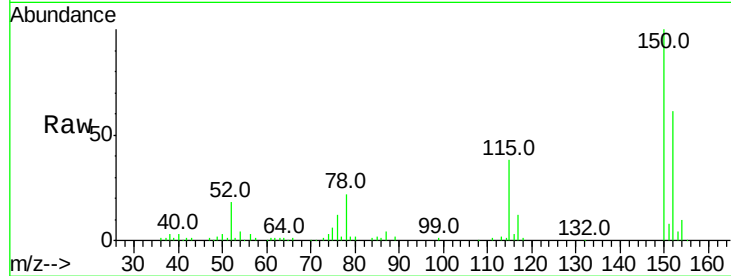
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.74 min Scan# 987
Delta R.T. -0.02 min
Lab File: BF095441.D
Acq: 26 May 2017 00:40

Instrument :
BNA_F
ClientSampleId :
POST-EX-40-20170517

Tot Ion	Ratio	Lower	Upper
152	100		
150	163.6	126.2	189.2
115	63.0	52.2	78.2

Manual Integrations
APPROVED

mohammad
5/26/2017 1:26:39 PM

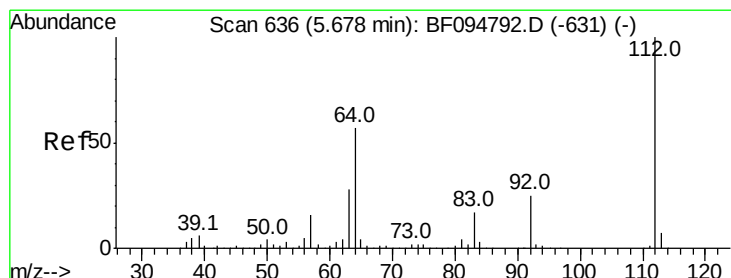
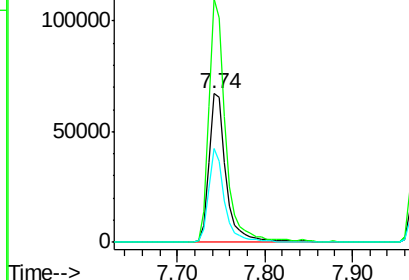
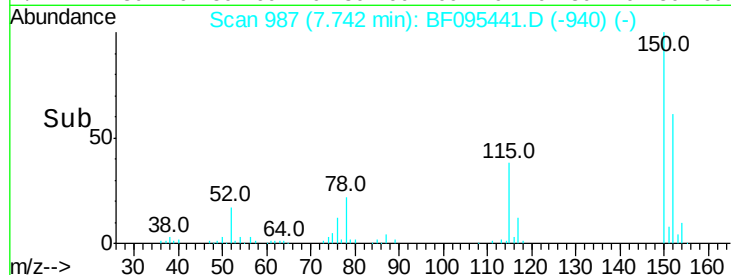


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

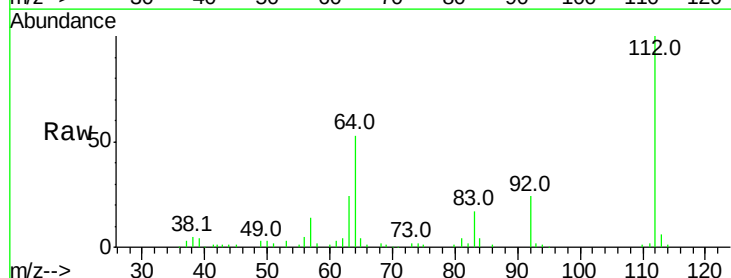
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 45.84 ng
RT: 5.73 min Scan# 645
Delta R.T. -0.01 min
Lab File: BF095441.D
Acq: 26 May 2017 00:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.7	46.0	69.0
63	24.3	23.4	35.0

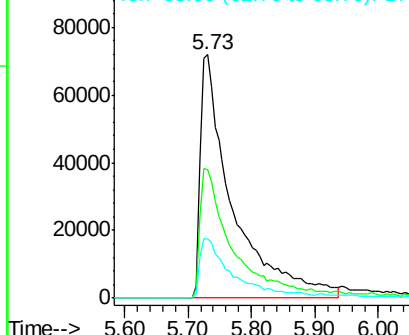
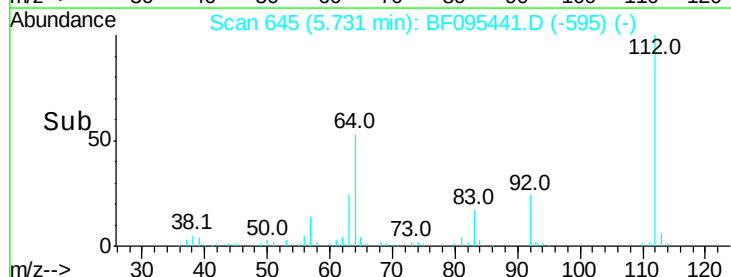


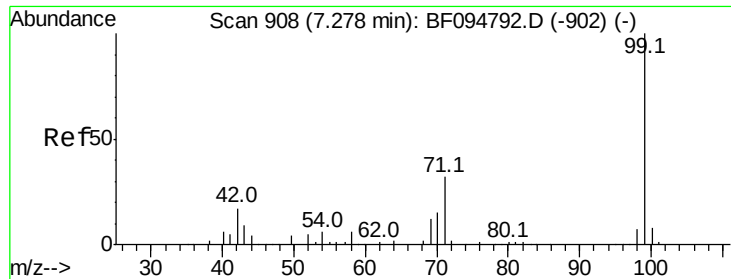
Abundance

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: 47.40 ng

RT: 7.31 min Scan# 914

Delta R.T. 0.00 min

Lab File: BF095441.D

Acq: 26 May 2017 00:40

Instrument :

BNA_F

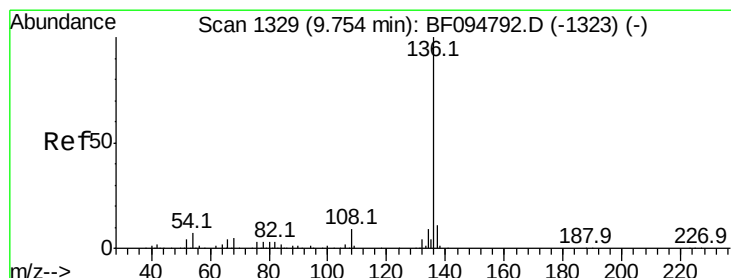
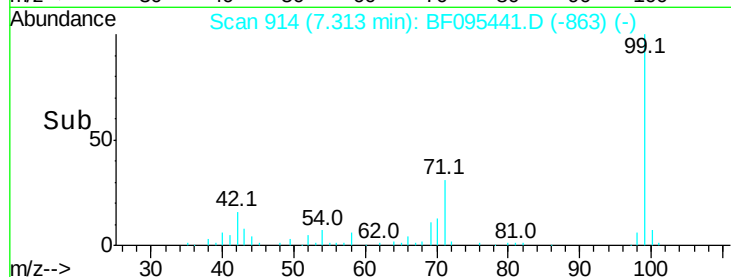
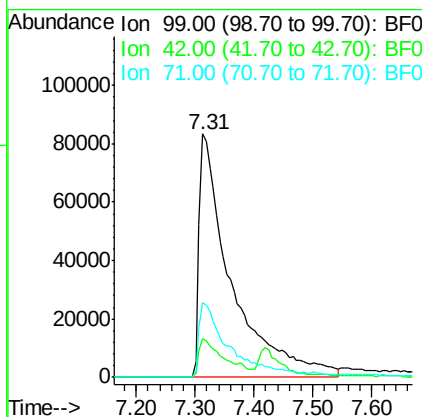
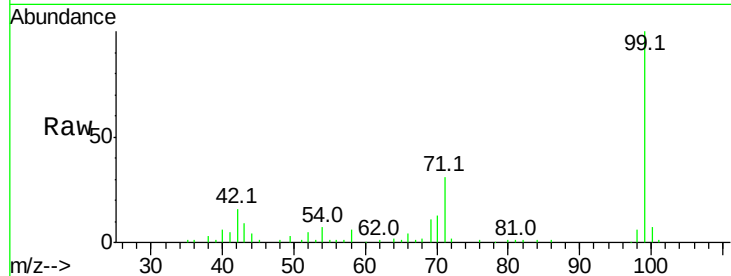
ClientSampleId :

POST-EX-40-20170517

Tot Ion:	99	Resp:	315230
Ion Ratio	Lower	Upper	
99	100		
42	15.9	13.5	20.3
71	30.8	24.5	36.7

Manual Integrations
APPROVED

mohammad
5/26/2017 1:26:39 PM



#21

Naphthalene-d8

Concen: 20.00 ng

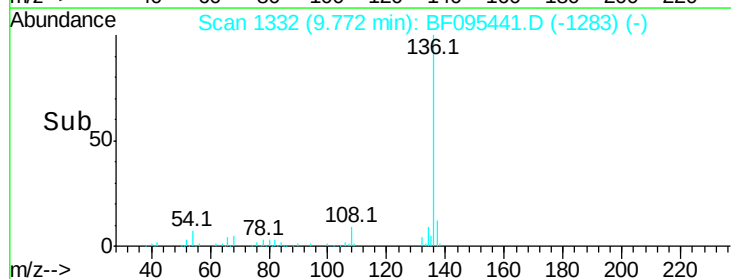
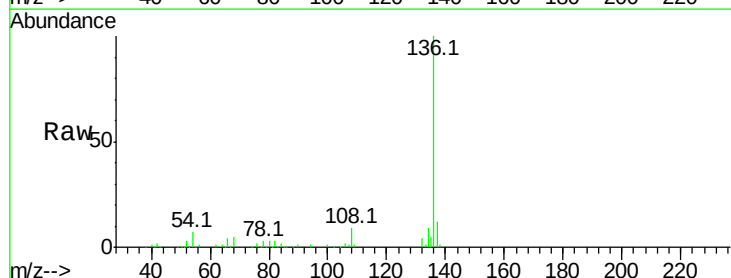
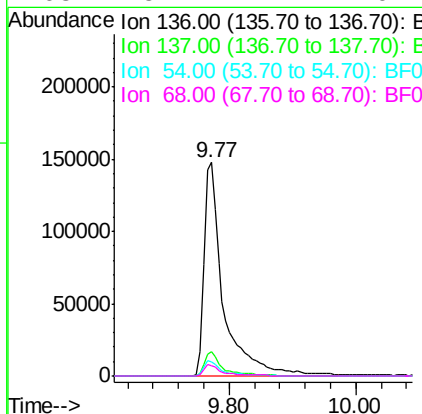
RT: 9.77 min Scan# 1332

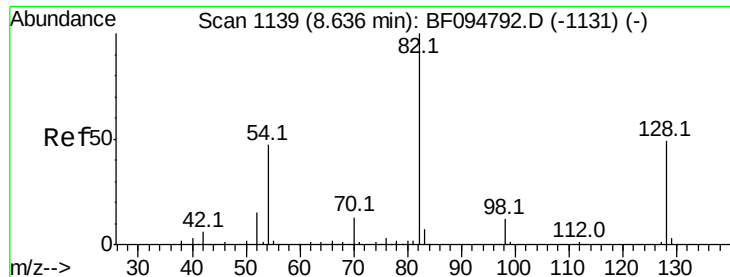
Delta R.T. -0.01 min

Lab File: BF095441.D

Acq: 26 May 2017 00:40

Tgt Ion:	136	Resp:	315049
Ion Ratio	Lower	Upper	
136	100		
137	11.6	8.5	12.7
54	6.8	4.9	7.3
68	5.1	4.1	6.1





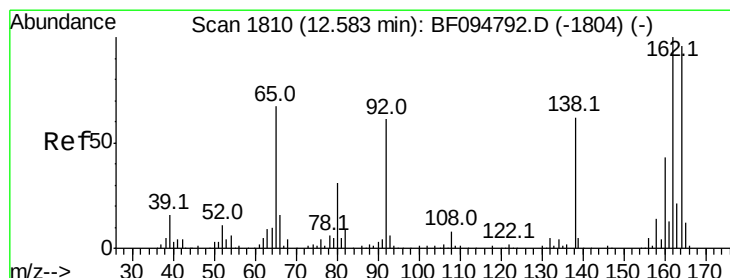
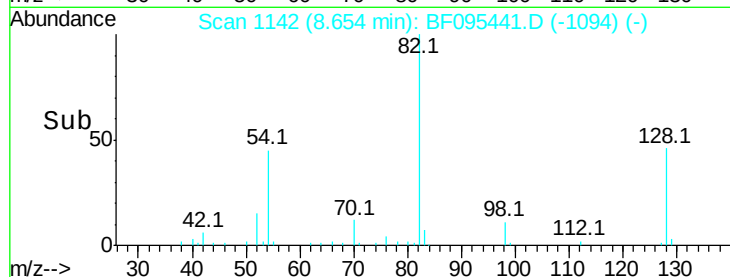
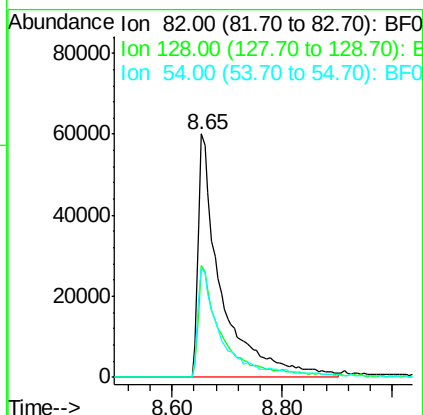
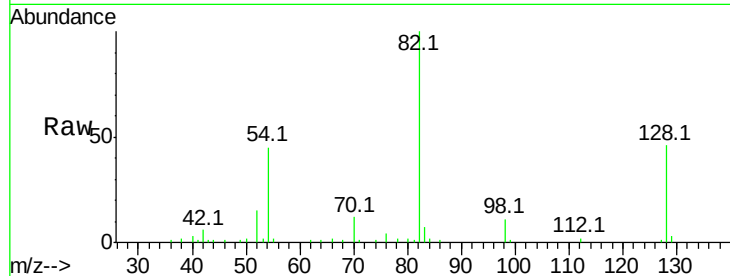
#23
Nitrobenzene-d5
Concen: 35.18 ng
RT: 8.65 min Scan# 1142
Delta R.T. -0.02 min
Lab File: BF095441.D
Acq: 26 May 2017 00:40

Instrument :
BNA_F
ClientSampleId :
POST-EX-40-20170517

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.1	34.0	51.0
54	44.9	42.2	63.2

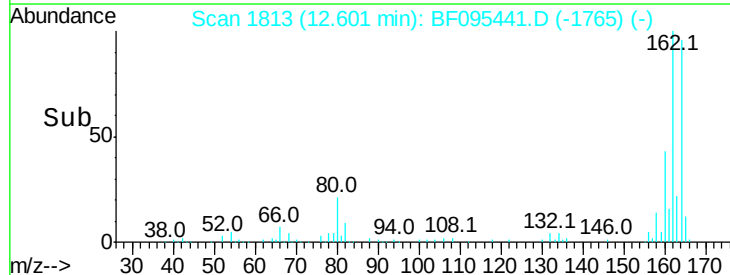
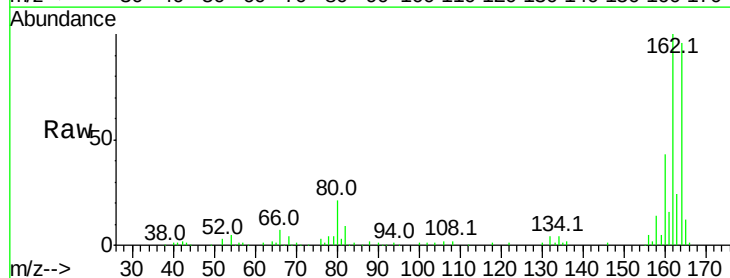
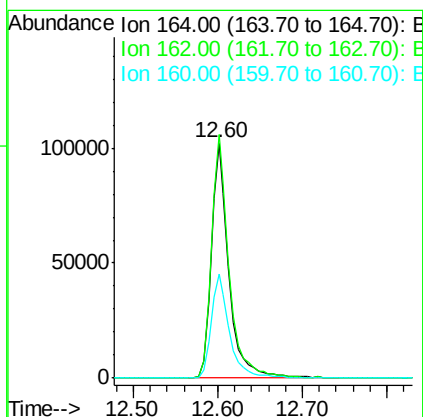
Manual Integrations
APPROVED

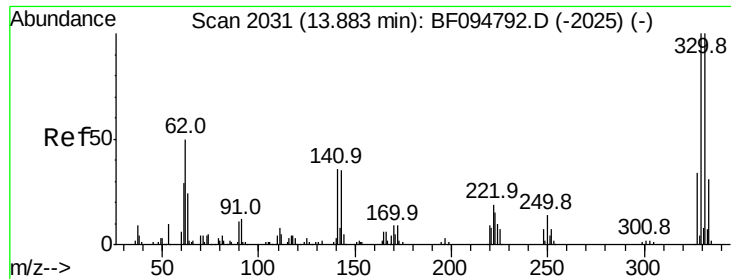
mohammad
5/26/2017 1:26:39 PM



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.60 min Scan# 1813
Delta R.T. -0.02 min
Lab File: BF095441.D
Acq: 26 May 2017 00:40

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.7	82.6	123.8
160	44.1	36.2	54.2





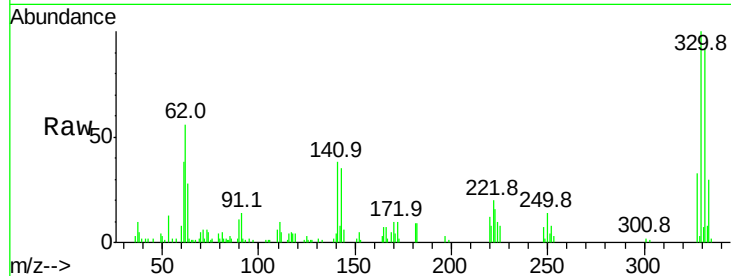
#41
 2,4,6-Tribromophenol
 Concen: 41.59 ng
 RT: 13.91 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: BF095441.D
 Acq: 26 May 2017 00:40

Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-40-20170517

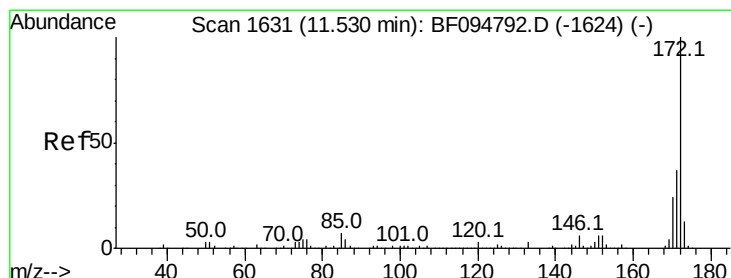
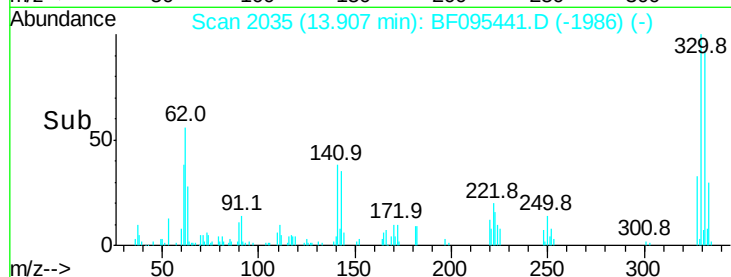
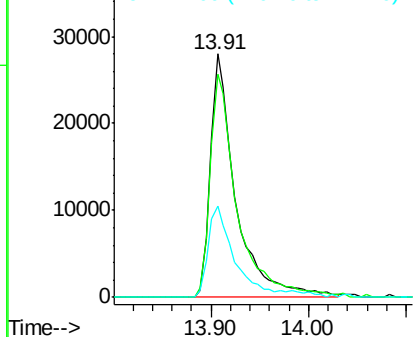
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.2	76.6	115.0
141	41.0	31.4	47.2

Manual Integrations
 APPROVED

mohammad
 5/26/2017 1:26:39 PM

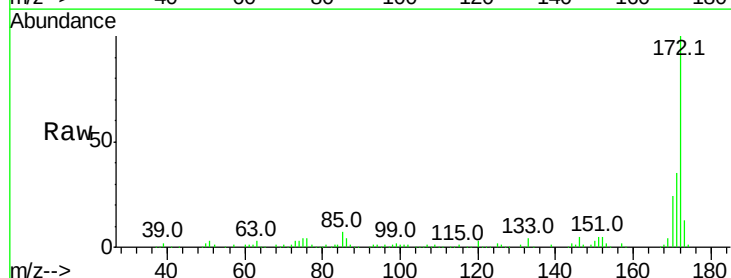


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

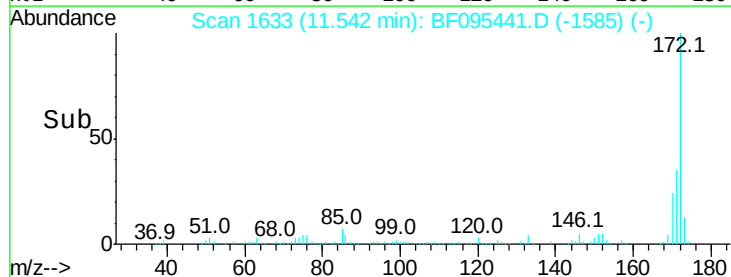
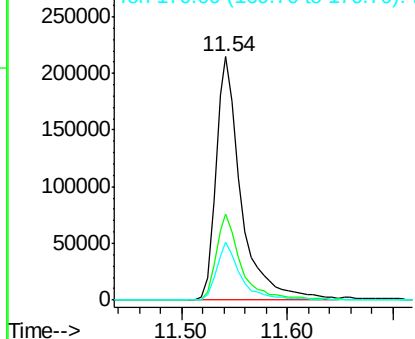


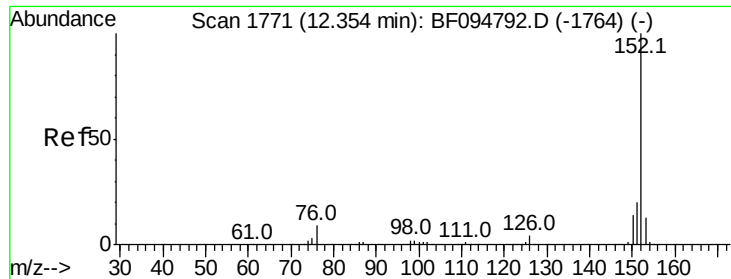
#44
 2-Fluorobiphenyl
 Concen: 34.52 ng
 RT: 11.54 min Scan# 1633
 Delta R.T. -0.02 min
 Lab File: BF095441.D
 Acq: 26 May 2017 00:40

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.6	44.4
170	23.6	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





#48

Acenaphthylene

Concen: 2.67 ng

RT: 12.38 min Scan# 1776

Delta R.T. -0.01 min

Lab File: BF095441.D

Acq: 26 May 2017 00:40

Instrument :

BNA_F

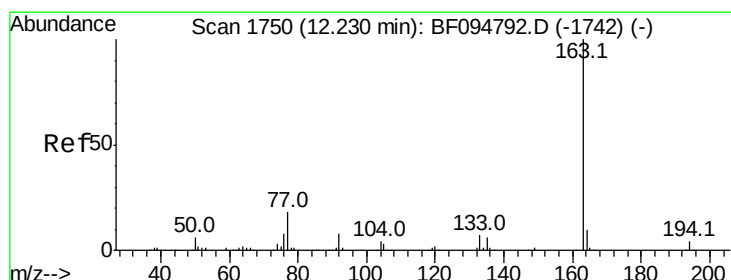
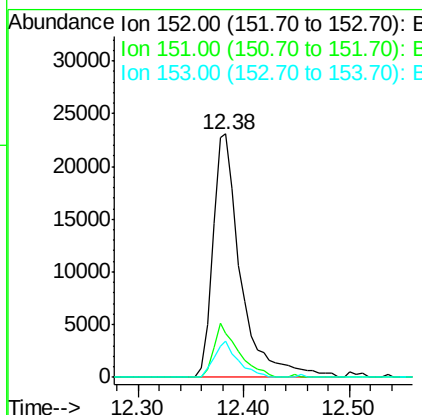
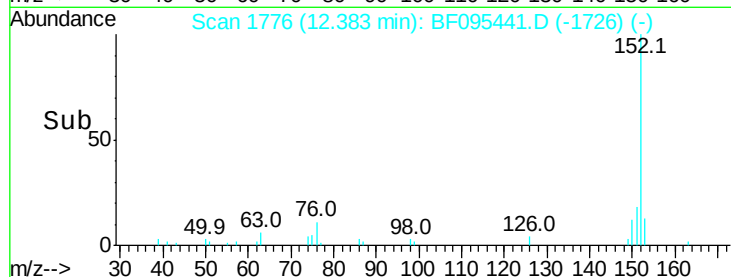
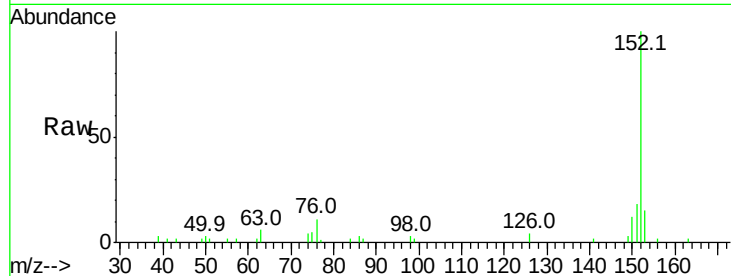
ClientSampleId :

POST-EX-40-20170517

Tot Ion:	152	Resp:	42457
Ion Ratio	Lower	Upper	
152	100		
151	18.1	16.8	25.2
153	15.1	10.8	16.2

Manual Integrations
APPROVED

mohammad
5/26/2017 1:26:39 PM



#49

Dimethylphthalate

Concen: 7.22 ng

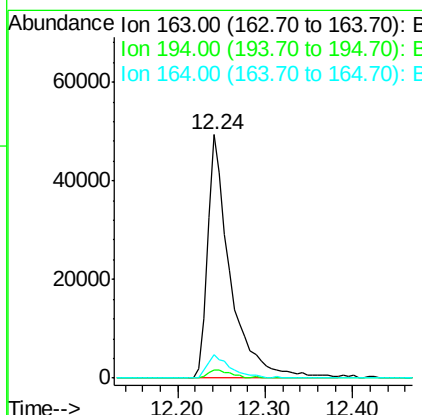
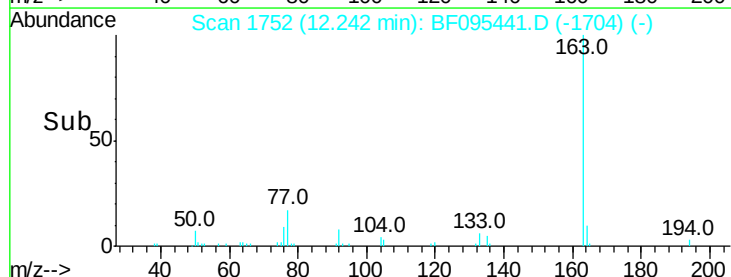
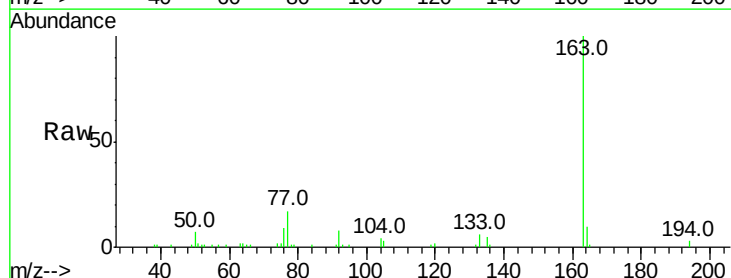
RT: 12.24 min Scan# 1752

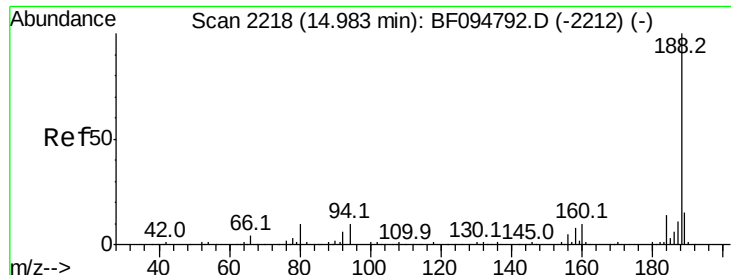
Delta R.T. -0.02 min

Lab File: BF095441.D

Acq: 26 May 2017 00:40

Tgt Ion:	163	Resp:	88560
Ion Ratio	Lower	Upper	
163	100		
194	3.2	2.6	4.0
164	9.7	8.4	12.6





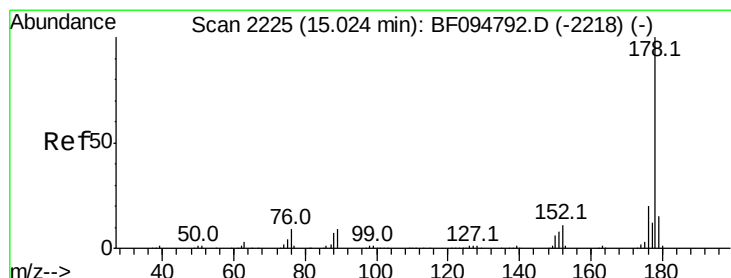
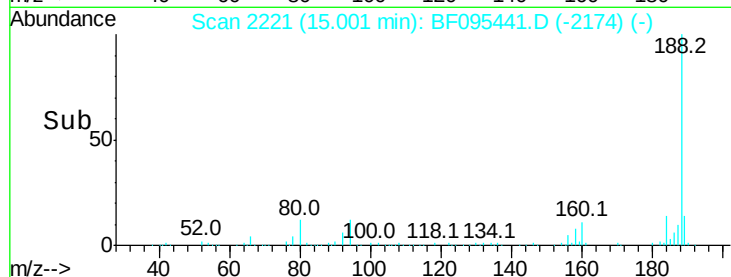
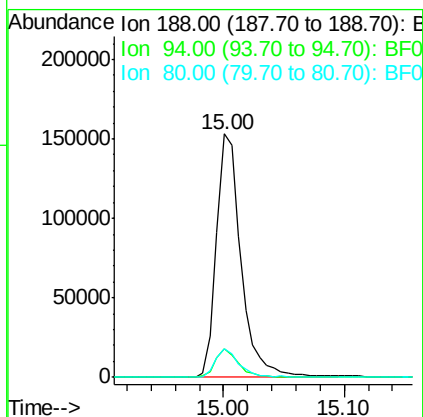
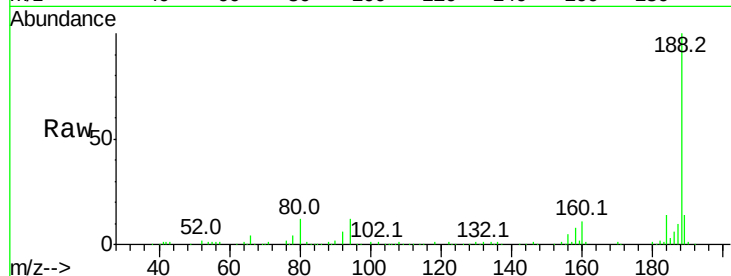
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 15.00 min Scan# 2221
 Delta R.T. -0.02 min
 Lab File: BF095441.D
 Acq: 26 May 2017 00:40

Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-40-20170517

Tot Ion	Ratio	Resp	Lower	Upper
188	100	215746		
94	11.6		9.4	14.2
80	12.0		10.2	15.2

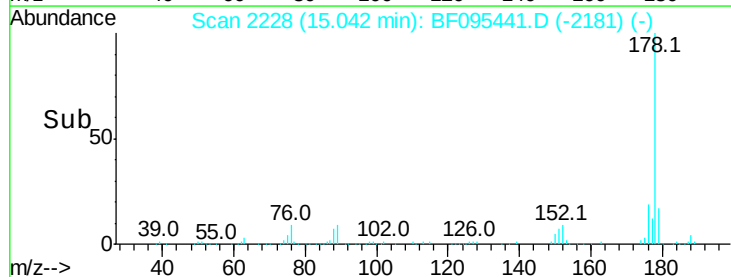
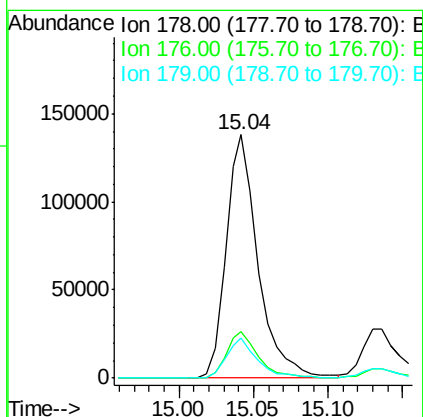
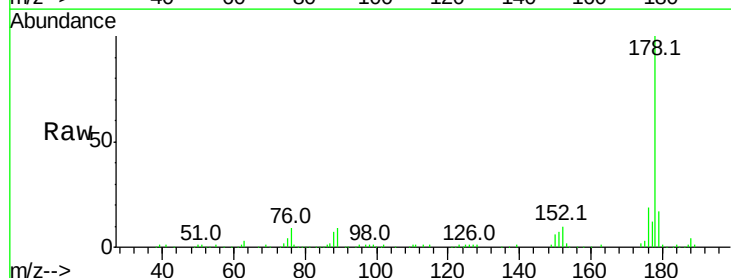
Manual Integrations
 APPROVED

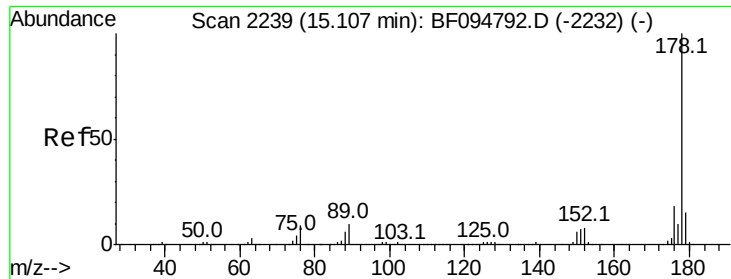
mohammad
 5/26/2017 1:26:39 PM



#70
 Phenanthrene
 Concen: 16.72 ng
 RT: 15.04 min Scan# 2228
 Delta R.T. -0.02 min
 Lab File: BF095441.D
 Acq: 26 May 2017 00:40

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	207268		
176	19.3		16.2	24.4
179	16.7		12.6	19.0





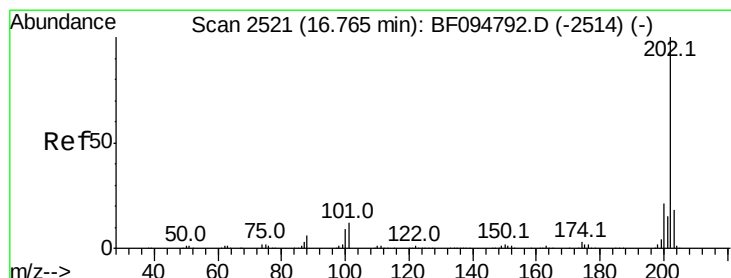
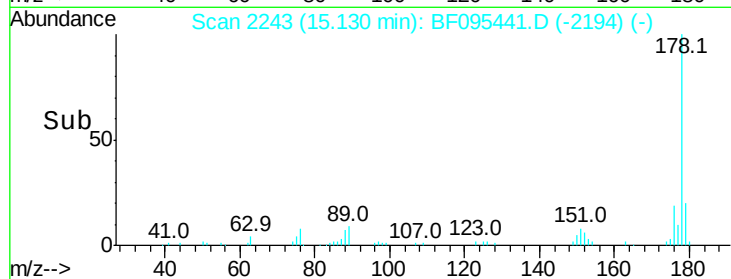
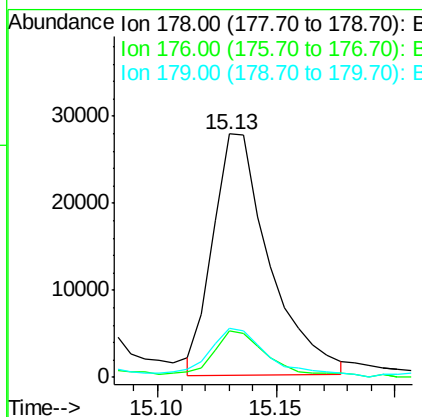
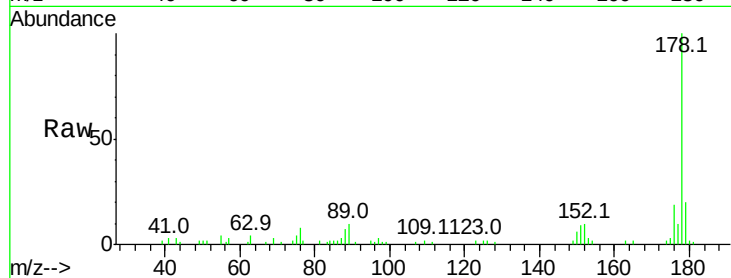
#71
 Anthracene
 Concen: 3.65 ng/mL
 RT: 15.13 min Scan# 2243
 Delta R.T. -0.01 min
 Lab File: BF095441.D
 Acq: 26 May 2017 00:40

Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-40-20170517

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.8	23.8
179	20.0	12.7	19.1

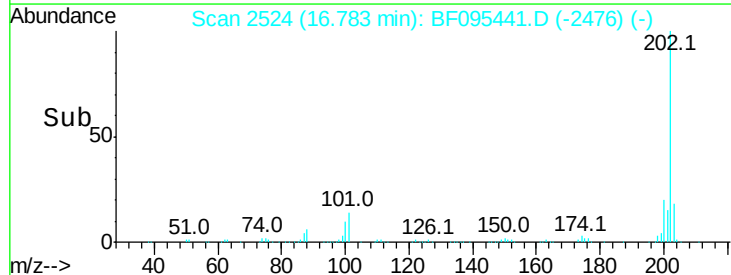
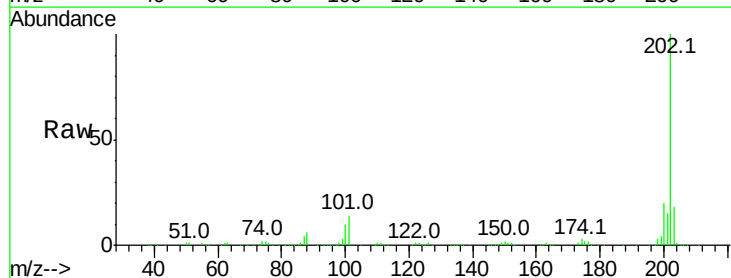
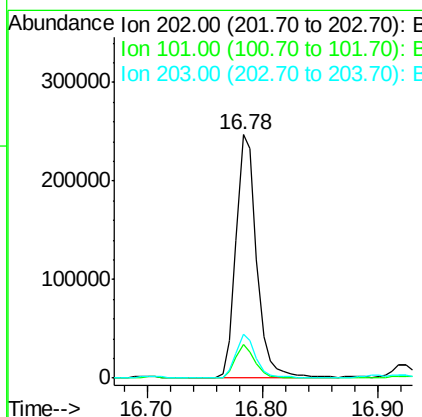
Manual Integrations
 APPROVED

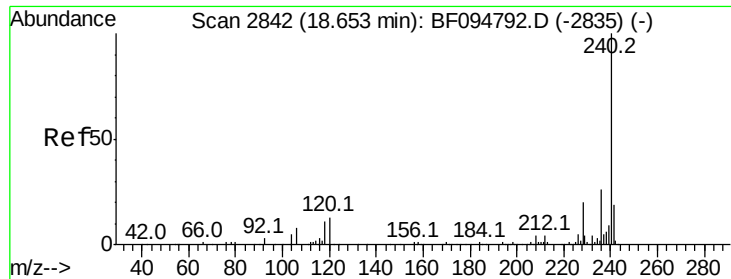
mohammad
 5/26/2017 1:26:39 PM



#74
 Fluoranthene
 Concen: 24.32 ng/mL
 RT: 16.78 min Scan# 2524
 Delta R.T. -0.02 min
 Lab File: BF095441.D
 Acq: 26 May 2017 00:40

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.7	0.0	33.2
203	17.9	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.68 min Scan# 2846

Delta R.T. -0.02 min

Lab File: BF095441.D

Acq: 26 May 2017 00:40

Instrument :

BNA_F

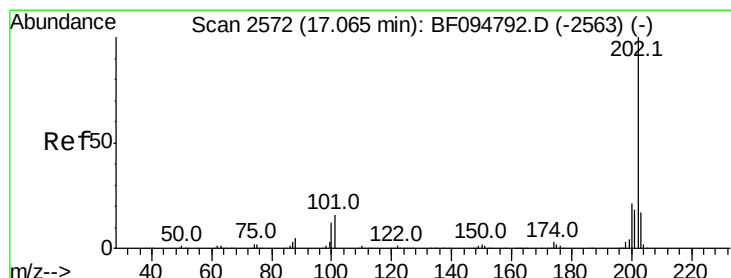
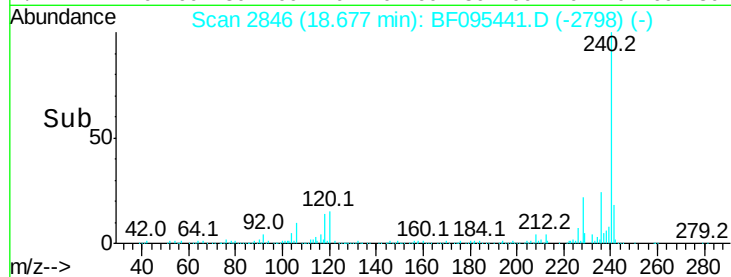
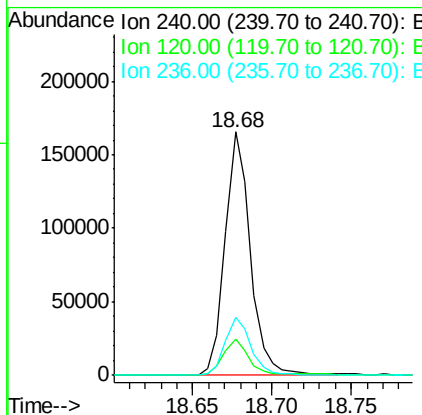
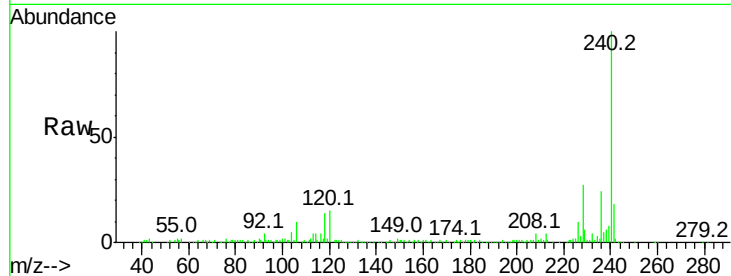
ClientSampleId :

POST-EX-40-20170517

Tot Ion	Ratio	Lower	Upper
240	100		
120	15.0	5.8	8.8#
236	24.0	20.5	30.7

Manual Integrations
APPROVED

mohammad
5/26/2017 1:26:39 PM



#77

Pyrene

Concen: 22.15 ng

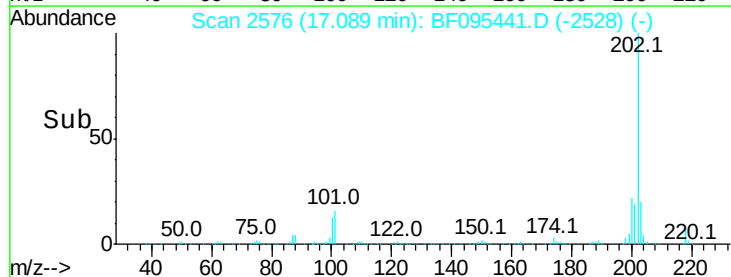
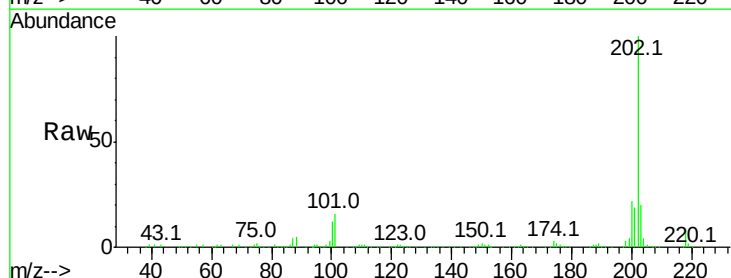
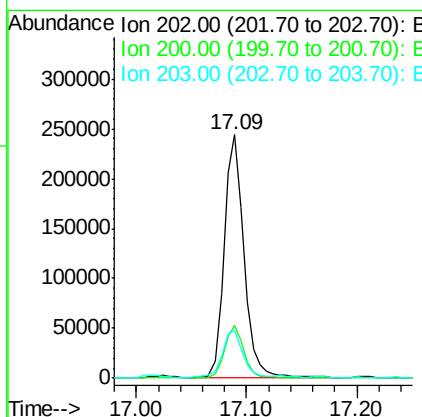
RT: 17.09 min Scan# 2576

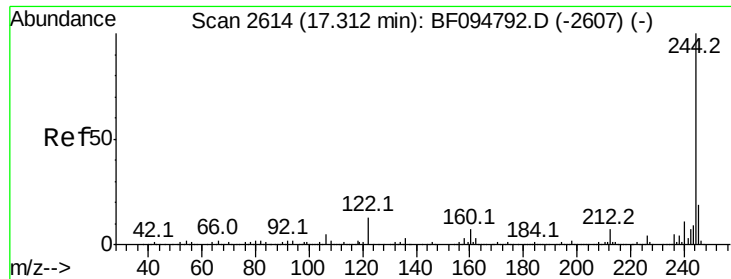
Delta R.T. -0.02 min

Lab File: BF095441.D

Acq: 26 May 2017 00:40

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.6	26.4
203	19.6	14.4	21.6





#78

Terphenyl-d14

Concen: 26.63 ng

RT: 17.32 min Scan# 2615

Delta R.T. -0.03 min

Lab File: BF095441.D

Acq: 26 May 2017 00:40

Instrument :

BNA_F

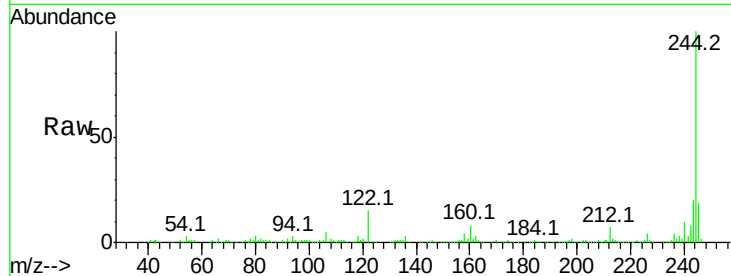
ClientSampleId :

POST-EX-40-20170517

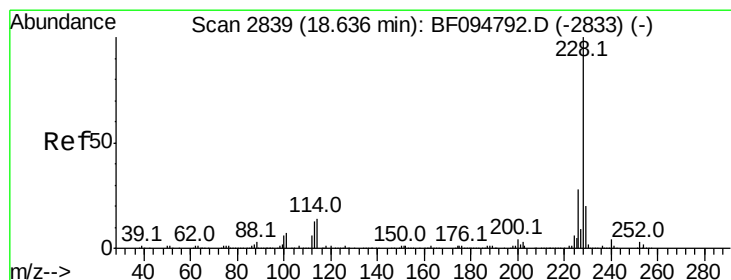
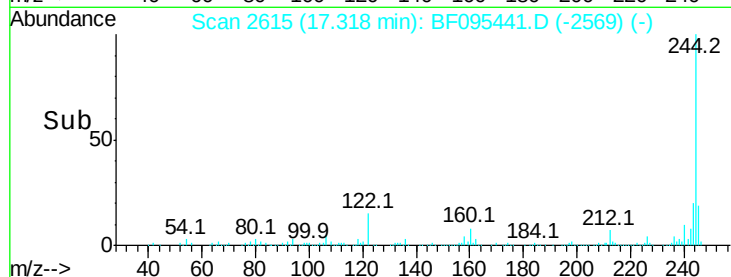
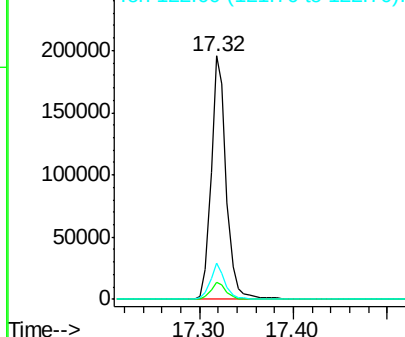
Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.0	9.0
122	15.1	10.3	15.5

Manual Integrations
APPROVED

mohammad
5/26/2017 1:26:39 PM



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: 12.96 ng m

RT: 18.67 min Scan# 2844

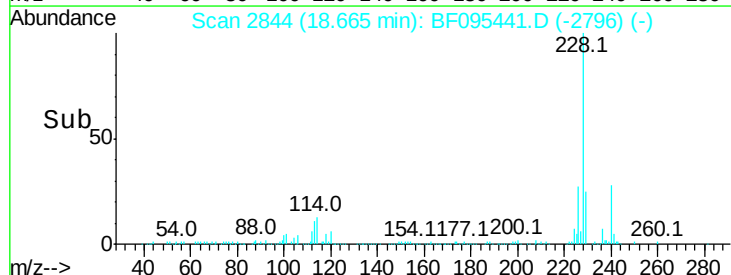
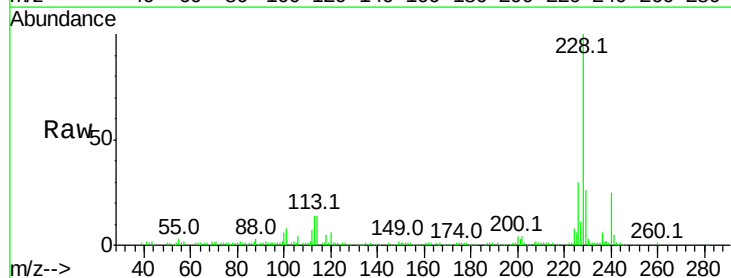
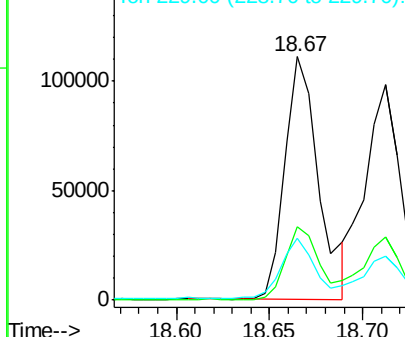
Delta R.T. -0.02 min

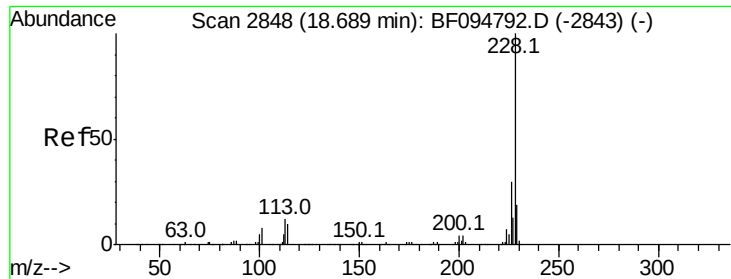
Lab File: BF095441.D

Acq: 26 May 2017 00:40

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	22.6	33.8
229	25.6	16.3	24.5

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





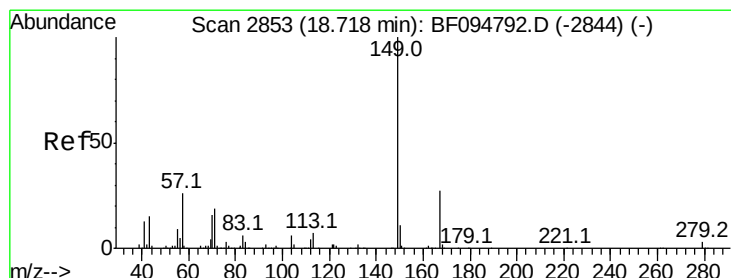
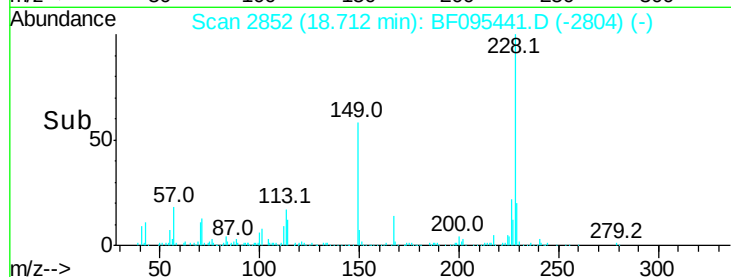
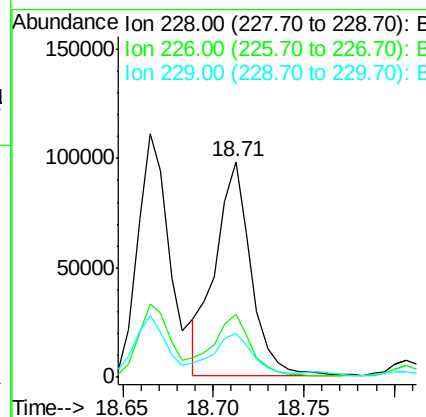
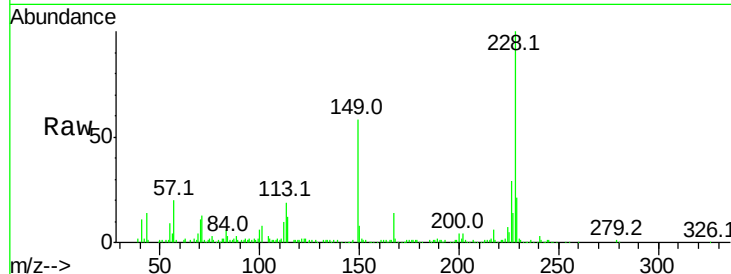
#82
Chrysene
Concen: 12.95 ng
RT: 18.71 min Scan# 2852
Delta R.T. -0.02 min
Lab File: BF095441.D
Acq: 26 May 2017 00:40

Instrument :
BNA_F
ClientSampleId :
POST-EX-40-20170517

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.3	24.9	37.3
229	20.6	15.8	23.6

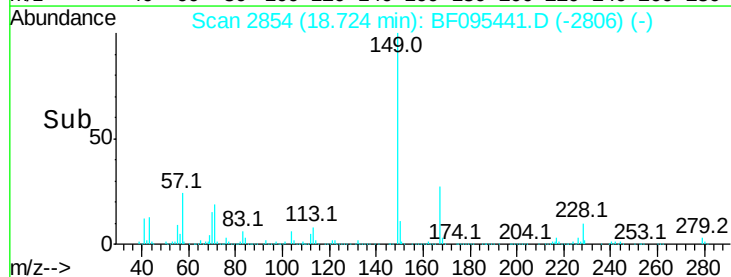
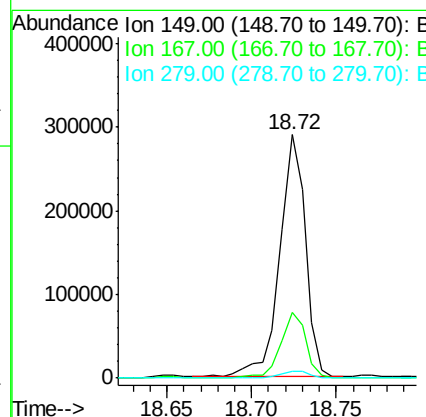
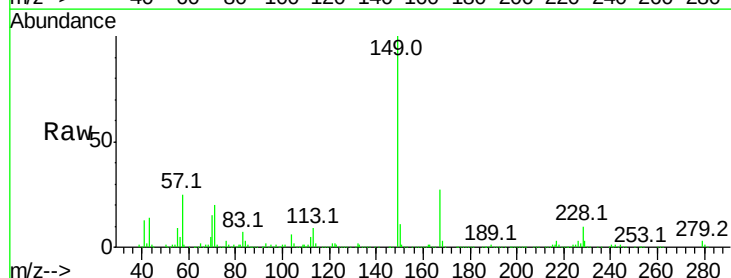
Manual Integrations
APPROVED

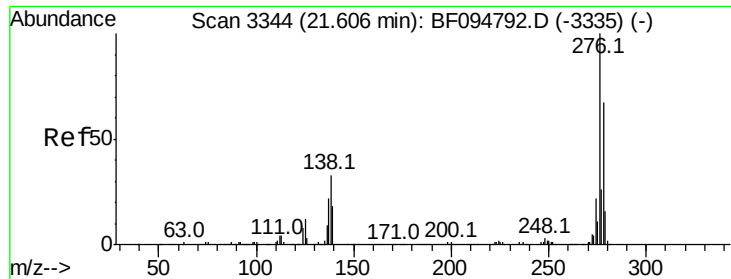
mohammad
5/26/2017 1:26:39 PM



#83
Bis(2-ethylhexyl)phthalate
Concen: 33.53 ng
RT: 18.72 min Scan# 2854
Delta R.T. -0.02 min
Lab File: BF095441.D
Acq: 26 May 2017 00:40

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.8	21.0	31.4
279	2.9	1.9	2.9#





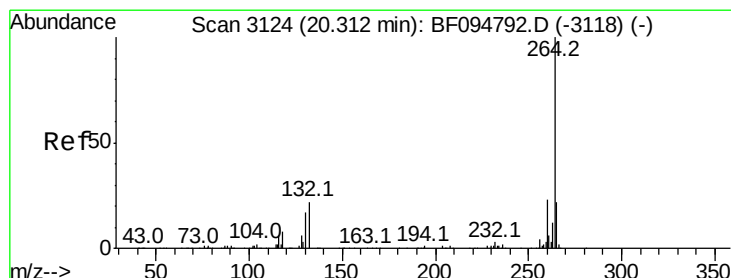
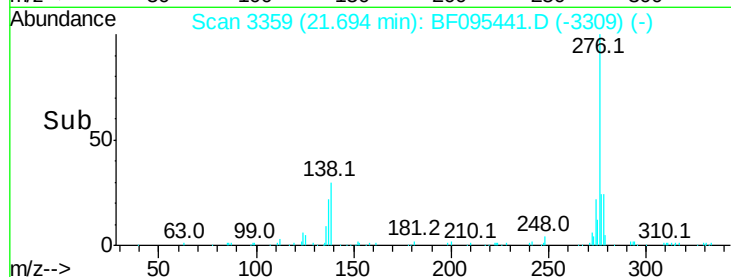
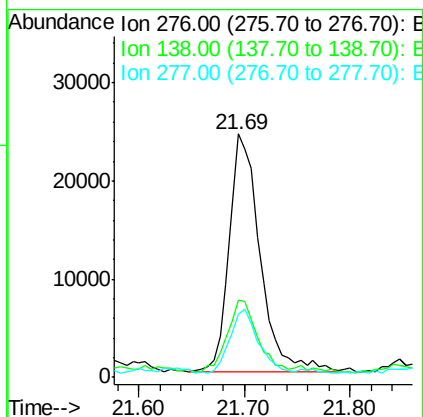
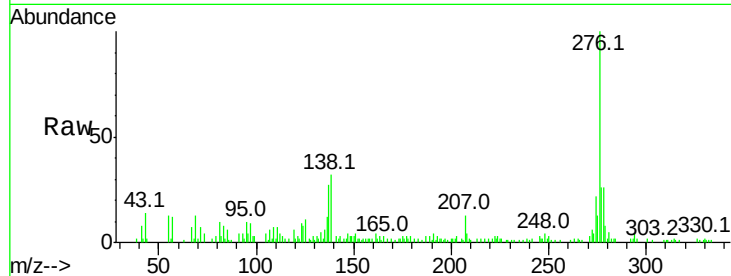
#85
Indeno(1,2,3-cd)pyrene
Concen: 5.81 ng
RT: 21.69 min Scan# 3359
Delta R.T. -0.01 min
Lab File: BF095441.D
Acq: 26 May 2017 00:40

Instrument :
BNA_F
ClientSampleId :
POST-EX-40-20170517

Tot Ion	Ratio	Lower	Upper
276	100		
138	29.9	27.8	41.6
277	25.1	20.2	30.4

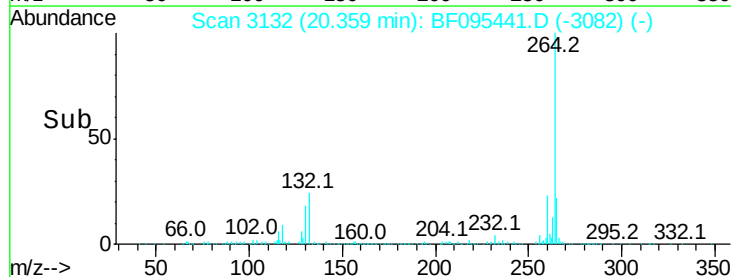
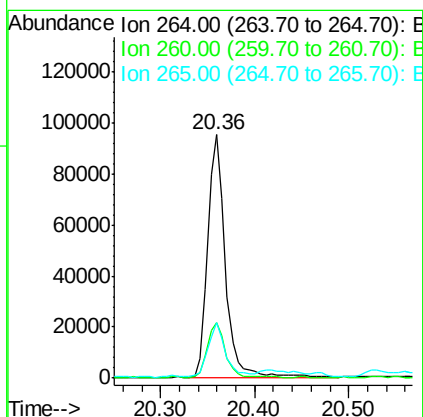
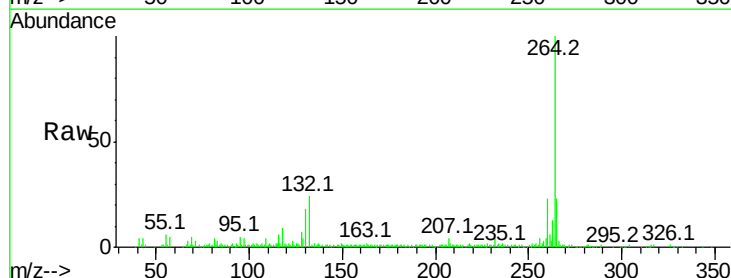
Manual Integrations
APPROVED

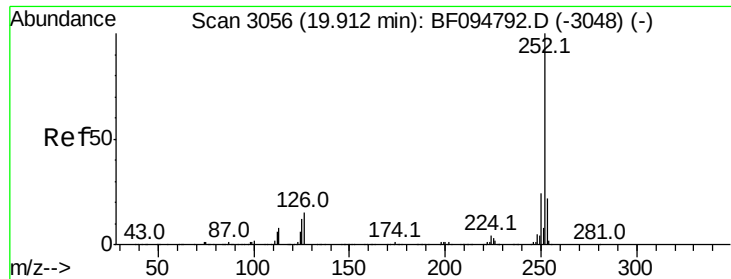
mohammad
5/26/2017 1:26:39 PM



#86
Perylene-d12
Concen: 20.00 ng
RT: 20.36 min Scan# 3132
Delta R.T. -0.01 min
Lab File: BF095441.D
Acq: 26 May 2017 00:40

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.5	29.3
265	22.7	17.2	25.8





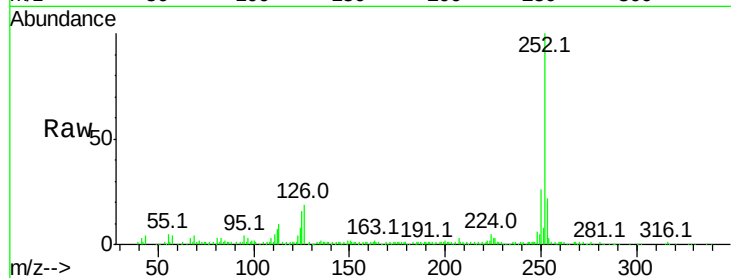
#87
Benzo(b)fluoranthene
Concen: 17.05 ng m
RT: 19.95 min Scan# 3062
Delta R.T. -0.01 min
Lab File: BF095441.D
Acq: 26 May 2017 00:40

Instrument :
BNA_F
ClientSampleId :
POST-EX-40-20170517

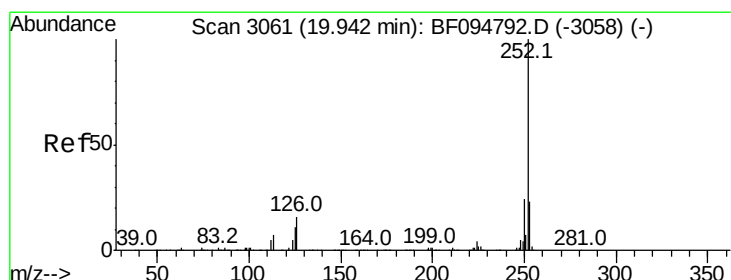
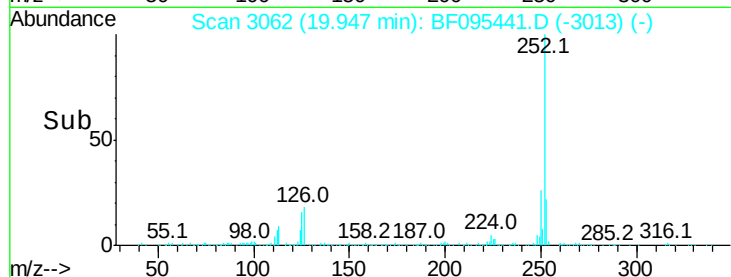
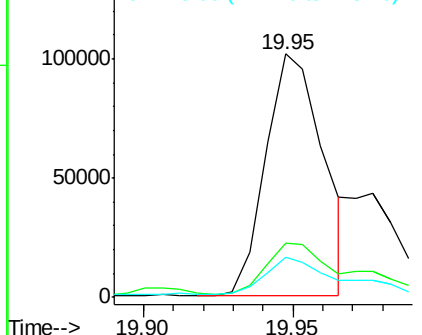
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.1	27.1
125	16.5	9.8	14.8

Manual Integrations
APPROVED

mohammad
5/26/2017 1:26:39 PM



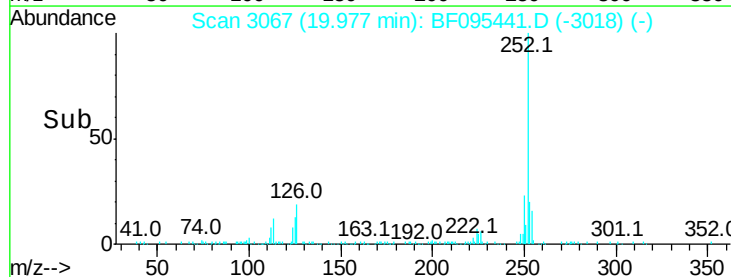
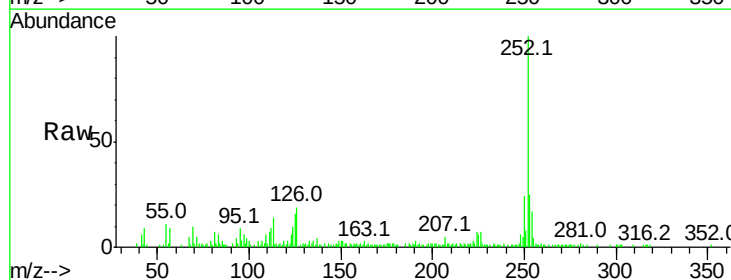
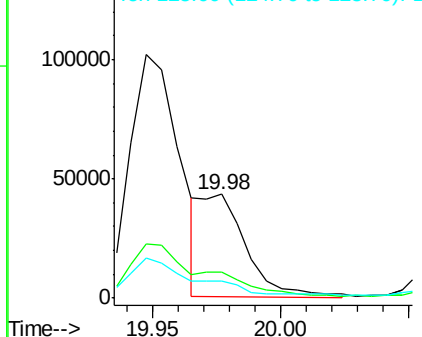
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

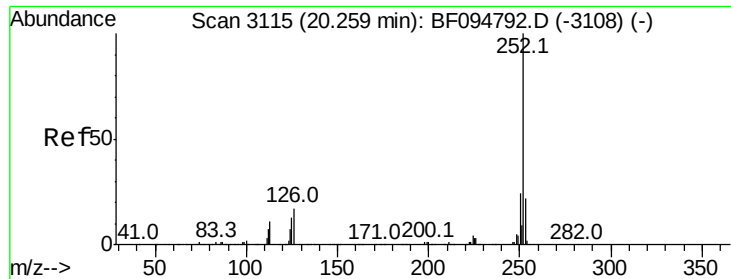


#88
Benzo(k)fluoranthene
Concen: 6.76 ng m
RT: 19.98 min Scan# 3067
Delta R.T. -0.01 min
Lab File: BF095441.D
Acq: 26 May 2017 00:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.3	18.4	27.6
125	16.4	13.1	19.7

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





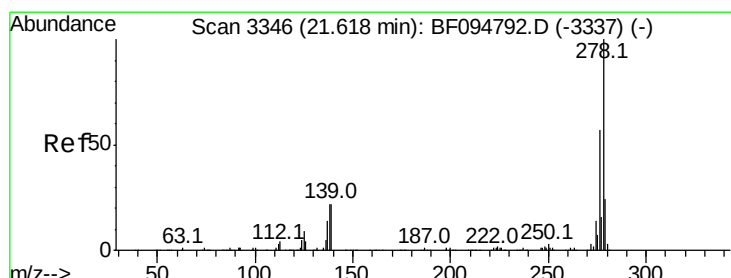
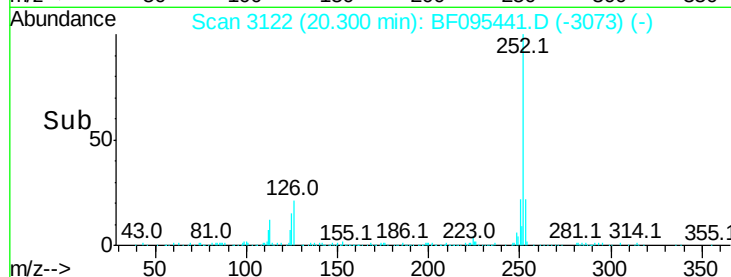
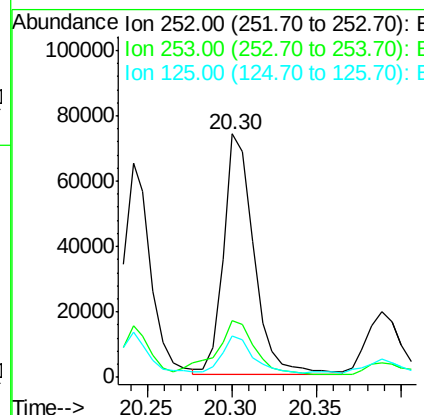
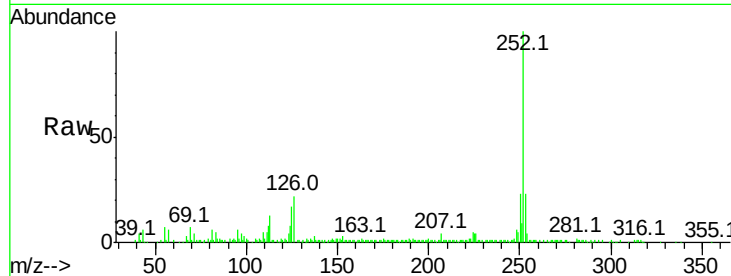
#89
Benzo(a)pyrene
Concen: 12.61 ng
RT: 20.30 min Scan# 3122
Delta R.T. -0.01 min
Lab File: BF095441.D
Acq: 26 May 2017 00:40

Instrument :
BNA_F
ClientSampleId :
POST-EX-40-20170517

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.5	26.3
125	16.9	11.0	16.4

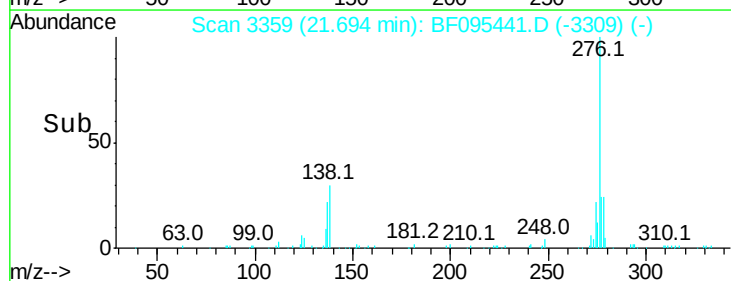
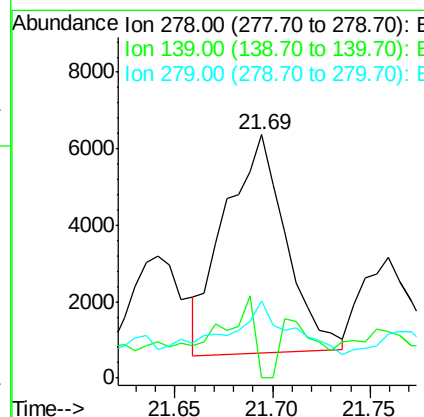
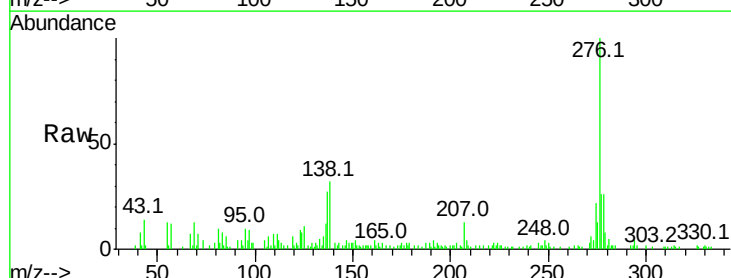
Manual Integrations
APPROVED

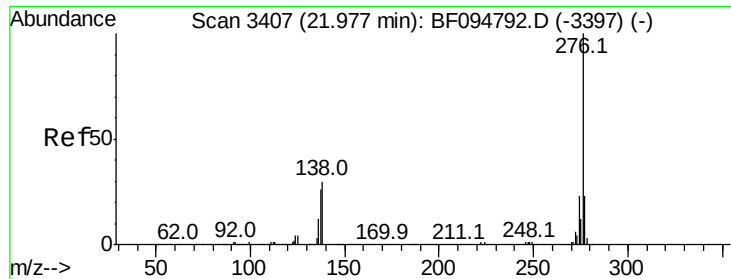
mohammad
5/26/2017 1:26:39 PM



#90
Dibenzo(a,h)anthracene
Concen: 2.04 ng
RT: 21.69 min Scan# 3359
Delta R.T. -0.01 min
Lab File: BF095441.D
Acq: 26 May 2017 00:40

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	16.6	24.8
279	31.6	19.3	28.9





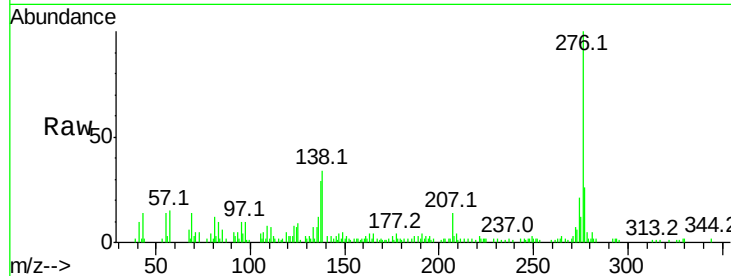
#91
 Benzo(a,h,i)perylene
 Concen: 9.21 ng
 RT: 22.09 min Scan# 3426
 Delta R.T. 0.01 min
 Lab File: BF095441.D
 Acq: 26 May 2017 00:40

Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-40-20170517

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.5	18.6	28.0
138	34.1	25.4	38.0

Manual Integrations
 APPROVED

mohammad
 5/26/2017 1:26:39 PM



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

