

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032417\
 Data File : BF093908.D
 Acq On : 24 Mar 2017 15:07
 Operator : SJ/MA
 Sample : I2367-10
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-CC10-ESW

Manual Integrations
 APPROVED

mohammad
 3/27/2017 12:56:09 PM

Quant Time: Mar 25 00:23:40 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 23 02:02:22 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.97	152	183446	20.00	ng	-0.02
21) Naphthalene-d8	7.47	136	726313	20.00	ng	-0.02
38) Acenaphthene-d10	9.62	164	311530	20.00	ng	-0.02
63) Phenanthrene-d10	11.44	188	483688	20.00	ng	-0.02
75) Chrysene-d12	14.70	240	332928	20.00	ng	-0.02
86) Perylene-d12	16.33	264	280539	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	4.51	112	1260104	116.02	ng	0.00
7) Phenol-d6	5.57	99	1628867	121.23	ng	0.00
23) Nitrobenzene-d5	6.62	82	989661	77.76	ng	-0.02
41) 2,4,6-Tribromophenol	10.59	330	270742	109.98	ng	-0.02
44) 2-Fluorobiphenyl	8.80	172	1630670	79.84	ng	-0.02
78) Terphenyl-d14	13.42	244	1038317	69.91	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	9.29	163	171406	7.74	ng	98
70) Phenanthrene	11.47	178	571351	21.23	ng	99
71) Anthracene	11.53	178	140821	5.08	ng	98
74) Fluoranthene	12.94	202	732699	26.59	ng	99
77) Pyrene	13.22	202	924953	38.28	ng	99
80) Benzo(a)anthracene	14.69	228	350025	18.03	ng	99
82) Chrysene	14.73	228	332865	18.48	ng	98
85) Indeno(1,2,3-cd)pyrene	17.72	276	113784	7.29	ng	96
87) Benzo(b)fluoranthene	15.92	252	318434m	18.52	ng	
88) Benzo(k)fluoranthene	15.94	252	82778m	4.92	ng	
89) Benzo(a)pyrene	16.27	252	255603	16.14	ng	99
90) Dibenzo(a,h)anthracene	17.73	278	31170	2.32	ng	# 90
91) Benzo(a,h,i)perylene	18.13	276	115110	8.52	ng	98

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

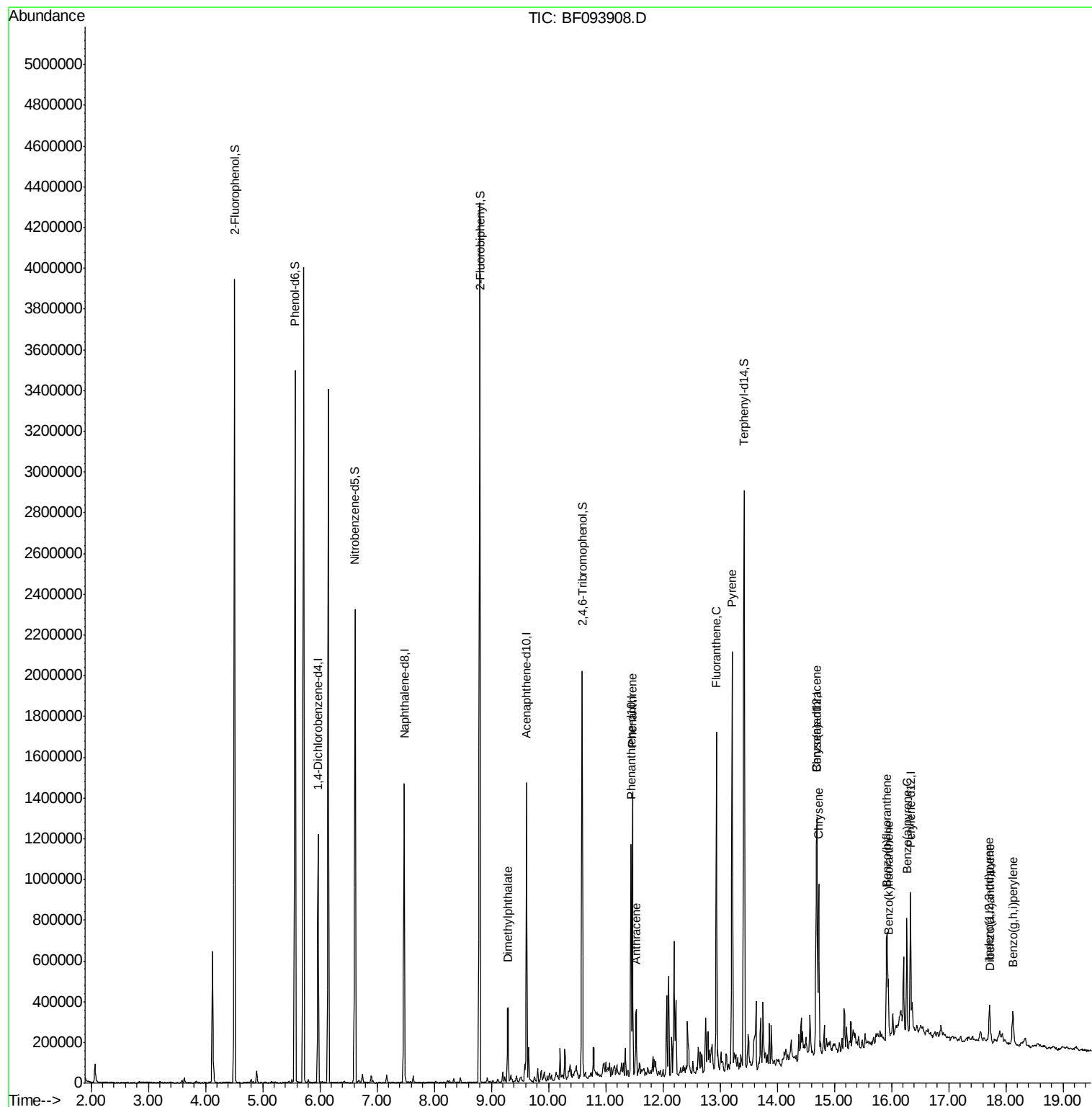
Data Path : Z:\HPCHEM1\BNA F\DATA\BF032417\
Data File : BF093908.D
Acq On : 24 Mar 2017 15:07
Operator : SJ/MA
Sample : I2367-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

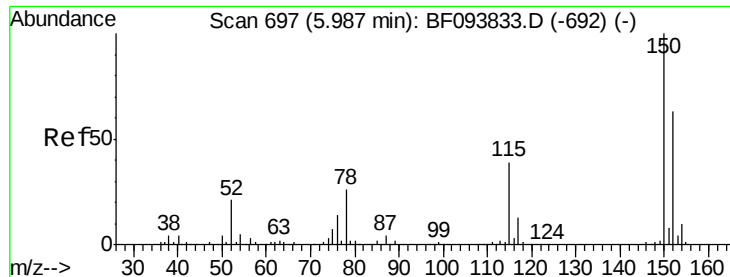
Instrument :
BNA_F
ClientSampleId :
E2-CC10-ESW

Manual Integrations
APPROVED

mohammad
3/27/2017 12:56:09 PM

Quant Time: Mar 25 00:23:40 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 23 02:02:22 2017
Response via : Initial Calibration





#1

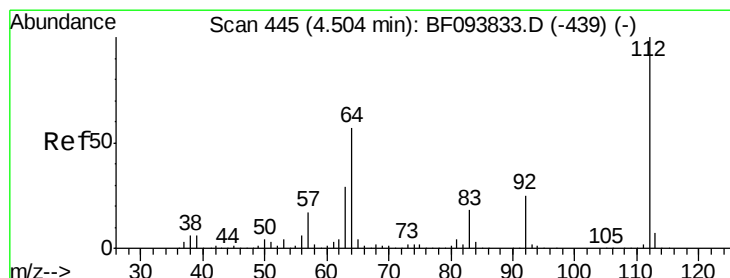
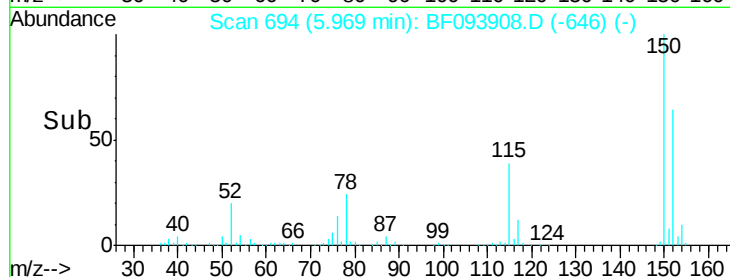
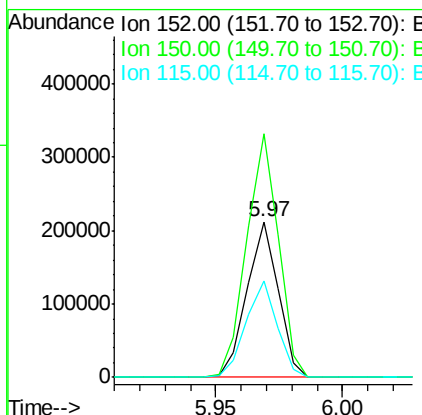
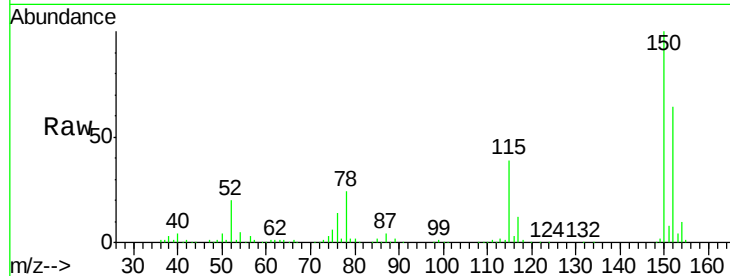
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 5.97 min Scan# 694
 Delta R.T. -0.02 min
 Lab File: BF093908.D
 Acq: 24 Mar 2017 15:07

Instrument :
 BNA_F
 ClientSampleId :
 E2-CC10-ESW

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.7	126.2	189.2
115	61.9	52.2	78.2

Manual Integrations
 APPROVED

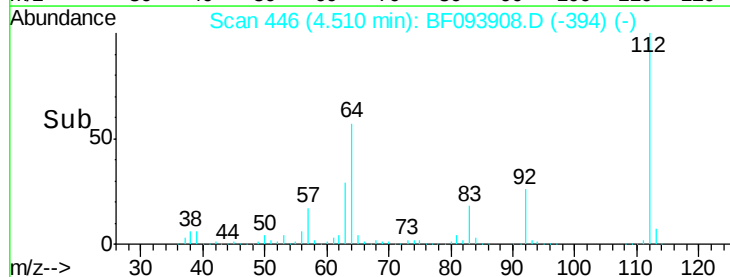
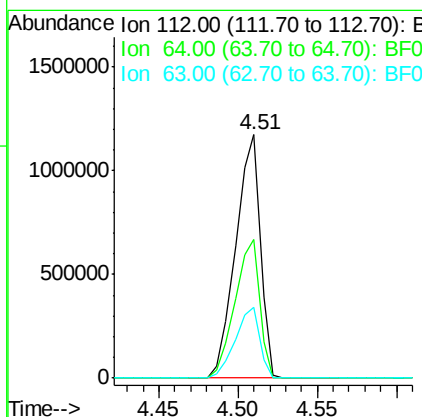
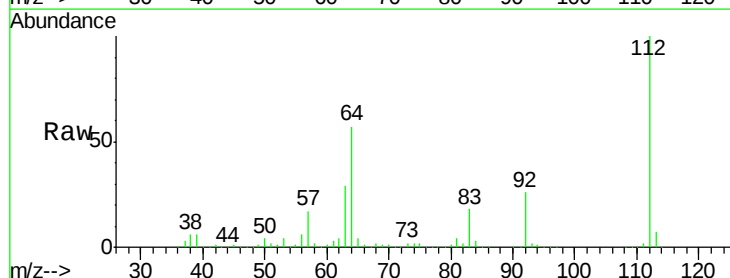
mohammad
 3/27/2017 12:56:09 PM

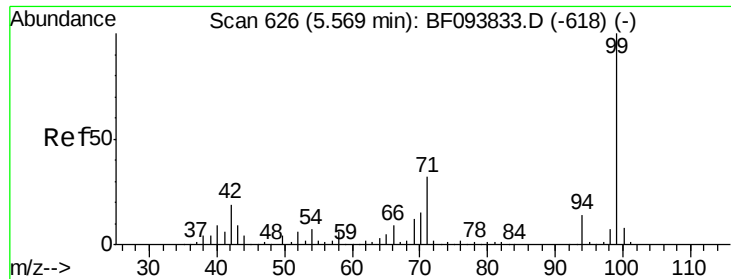


#5

2-Fluorophenol
 Concen: 116.02 ng
 RT: 4.51 min Scan# 446
 Delta R.T. 0.01 min
 Lab File: BF093908.D
 Acq: 24 Mar 2017 15:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.9	46.0	69.0
63	29.0	23.4	35.0





#7

Phenol-d6

Concen: 121.23 ng

RT: 5.57 min Scan# 626

Delta R.T. -0.00 min

Lab File: BF093908.D

Acq: 24 Mar 2017 15:07

Instrument :

BNA_F

ClientSampleId :

E2-CC10-ESW

Tot Ion: 99 Resp: 1628867

Ion Ratio Lower Upper

99 100

42 18.1 13.5 20.3

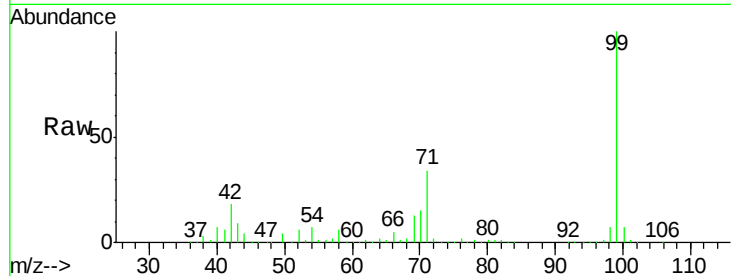
71 33.9 24.5 36.7

Manual Integrations

APPROVED

mohammad

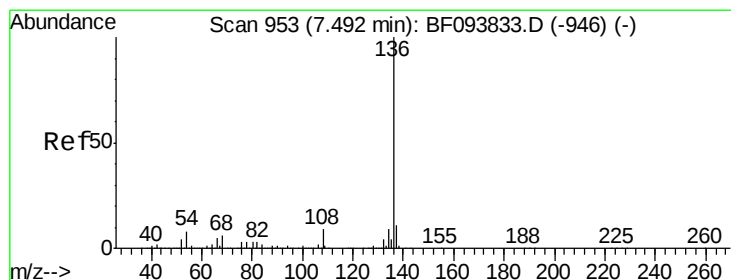
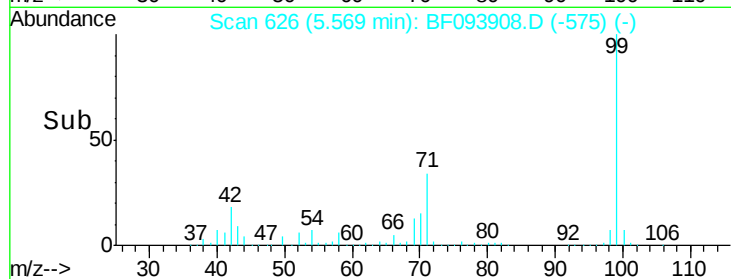
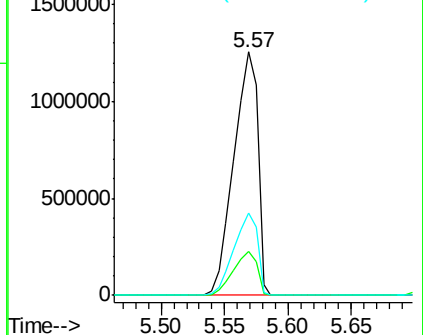
3/27/2017 12:56:09 PM



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.47 min Scan# 950

Delta R.T. -0.02 min

Lab File: BF093908.D

Acq: 24 Mar 2017 15:07

Tgt Ion: 136 Resp: 726313

Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 7.7 4.9 7.3#

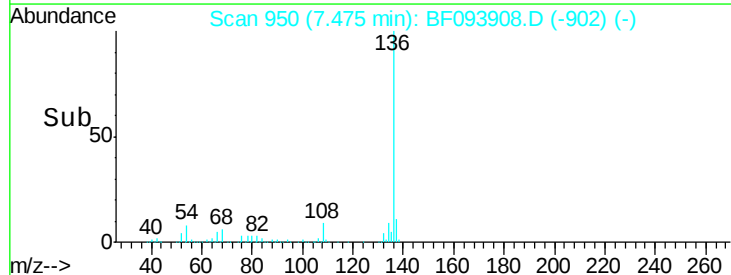
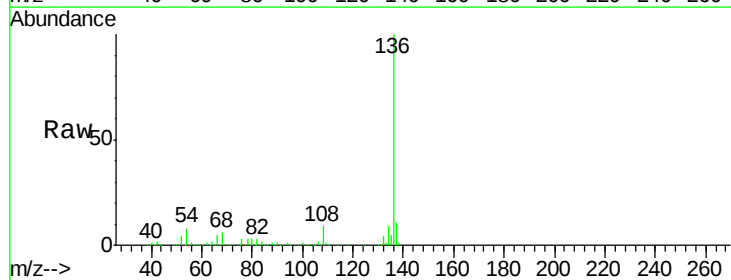
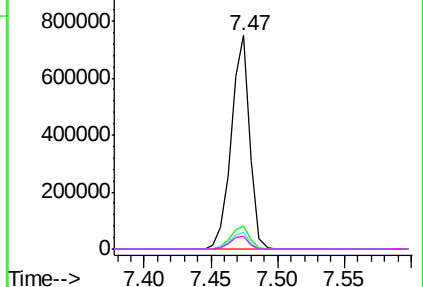
68 6.0 4.1 6.1

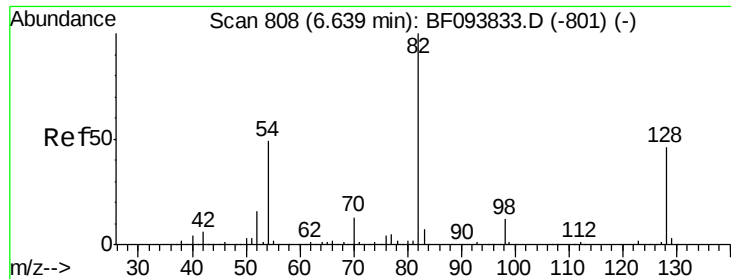
Abundance Ion 136.00 (135.70 to 136.70): E

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





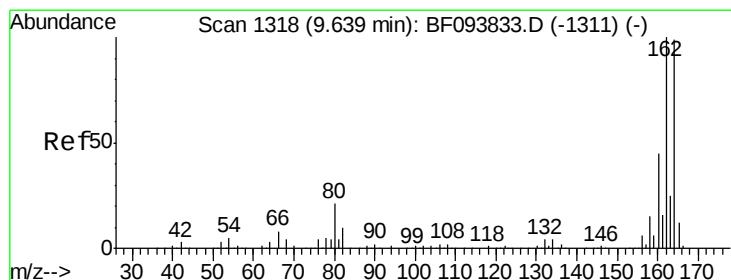
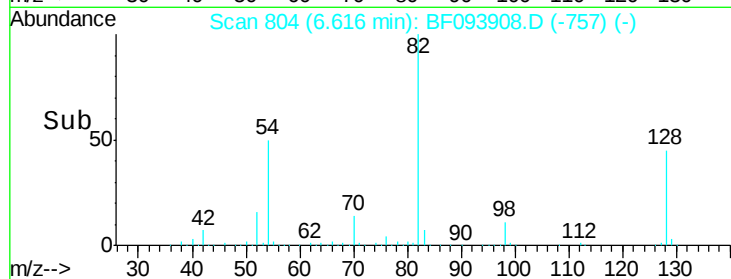
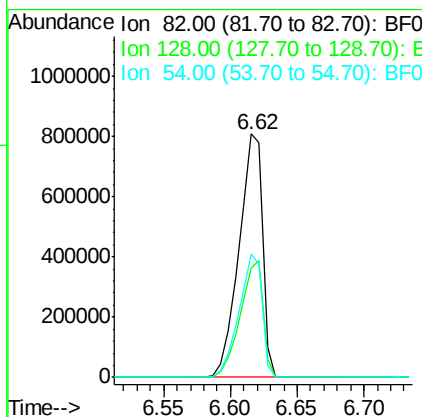
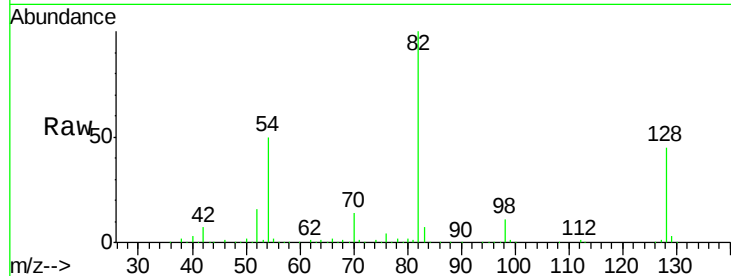
#23
Nitrobenzene-d5
Concen: 77.76 ng
RT: 6.62 min Scan# 804
Delta R.T. -0.02 min
Lab File: BF093908.D
Acq: 24 Mar 2017 15:07

Instrument :
BNA_F
ClientSampleId :
E2-CC10-ESW

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.1	34.0	51.0
54	50.4	42.2	63.2

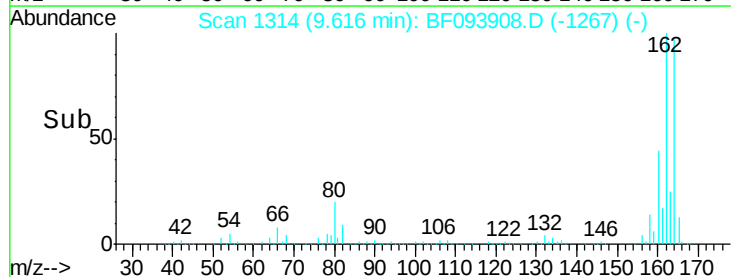
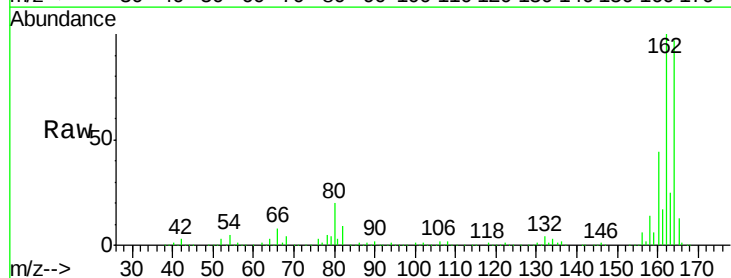
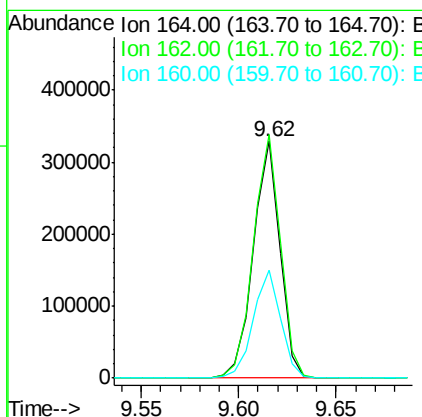
Manual Integrations
APPROVED

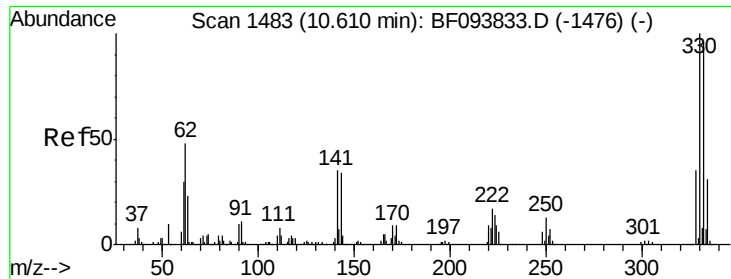
mohammad
3/27/2017 12:56:09 PM



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.62 min Scan# 1314
Delta R.T. -0.02 min
Lab File: BF093908.D
Acq: 24 Mar 2017 15:07

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.7	82.6	123.8
160	45.3	36.2	54.2





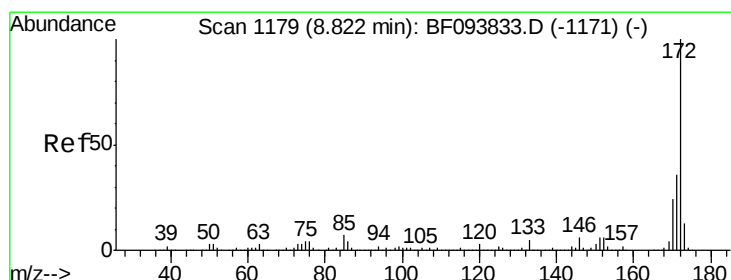
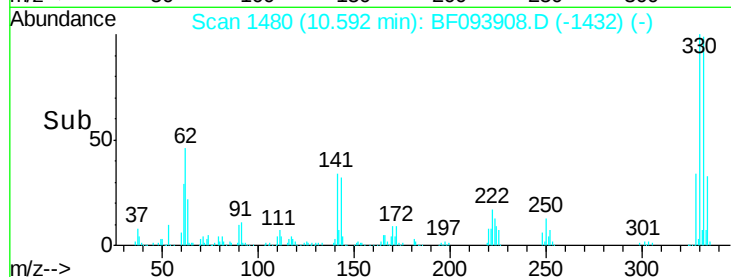
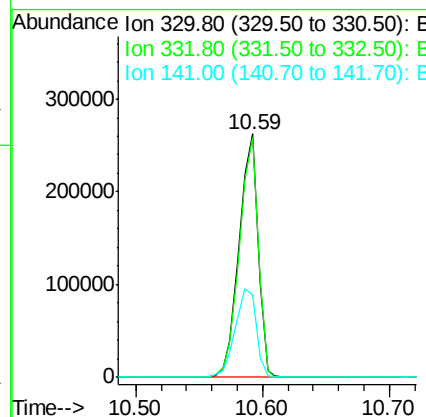
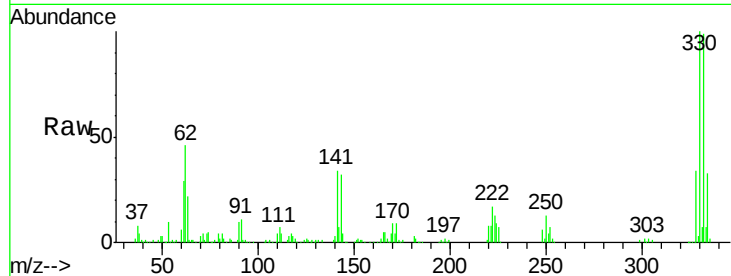
#41
 2,4,6-Tribromophenol
 Concen: 109.98 ng
 RT: 10.59 min Scan# 1480
 Delta R.T. -0.02 min
 Lab File: BF093908.D
 Acq: 24 Mar 2017 15:07

Instrument :
 BNA_F
 ClientSampleId :
 E2-CC10-ESW

Tot Ion	Ratio	Resp	Lower	Upper
330	100	270742		
332	97.9	76.6	115.0	
141	40.1	31.4	47.2	

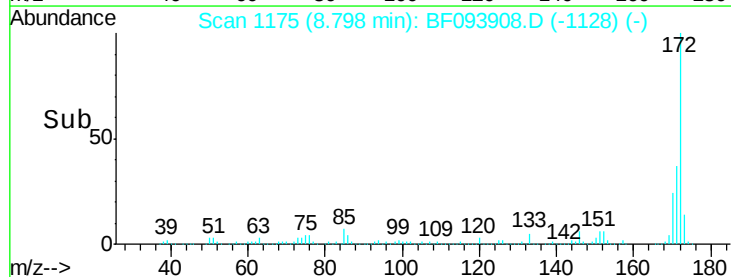
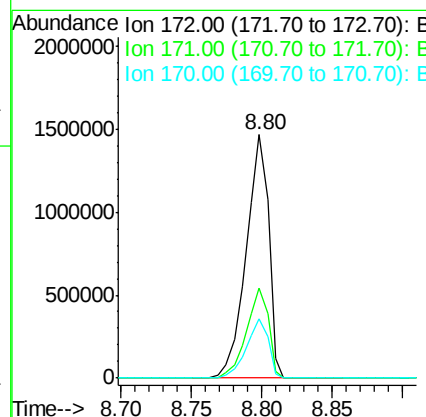
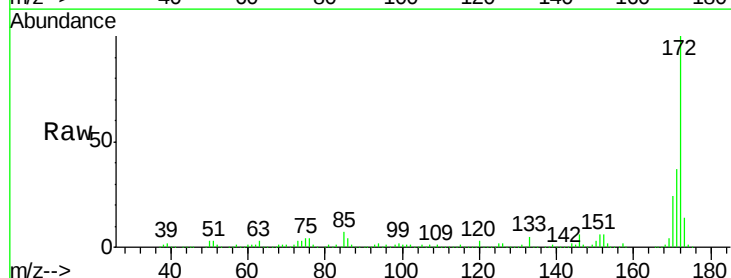
Manual Integrations
 APPROVED

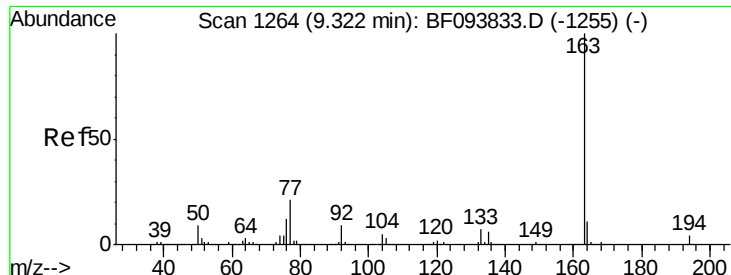
mohammad
 3/27/2017 12:56:09 PM



#44
 2-Fluorobiphenyl
 Concen: 79.84 ng
 RT: 8.80 min Scan# 1175
 Delta R.T. -0.02 min
 Lab File: BF093908.D
 Acq: 24 Mar 2017 15:07

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1630670		
171	36.7	29.6	44.4	
170	24.2	19.8	29.8	





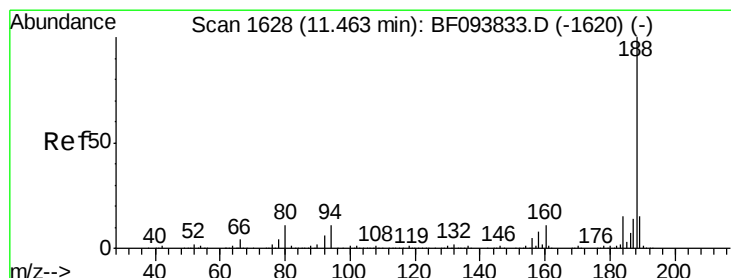
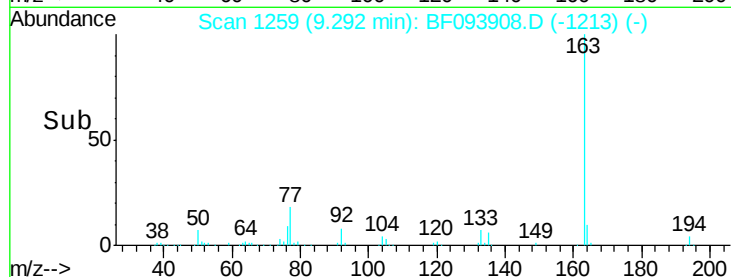
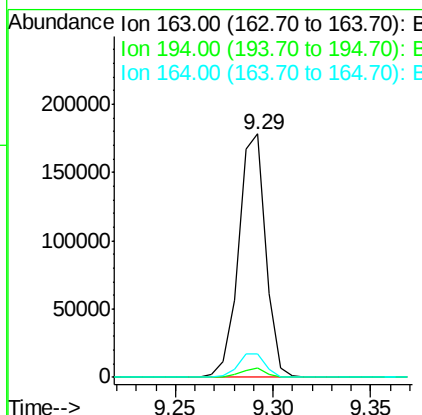
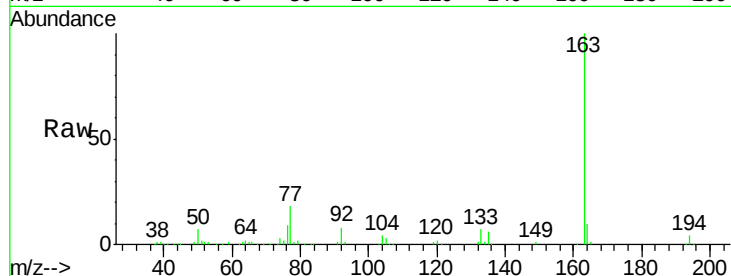
#49
Dimethylphthalate
Concen: 7.74 ng
RT: 9.29 min Scan# 1259
Delta R.T. -0.03 min
Lab File: BF093908.D
Acq: 24 Mar 2017 15:07

Instrument :
BNA_F
ClientSampleId :
E2-CC10-ESW

Tot Ion	Ratio	Resp	Lower	Upper
163	100	171406		
194	3.9	2.6	4.0	
164	9.7	8.4	12.6	

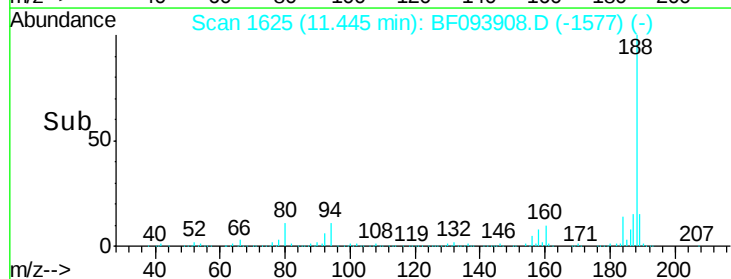
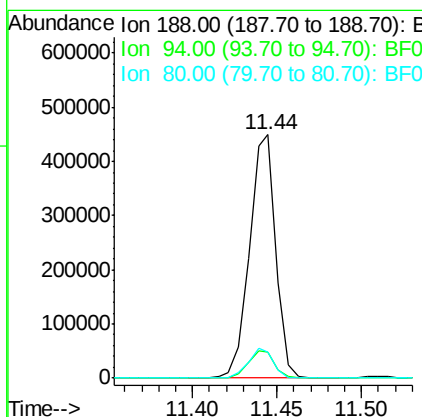
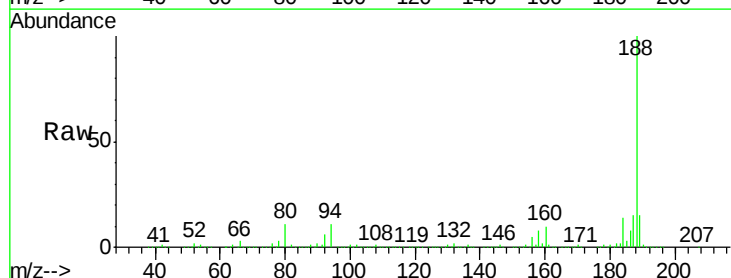
Manual Integrations
APPROVED

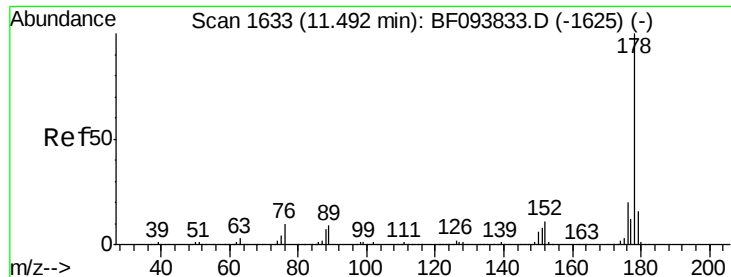
mohammad
3/27/2017 12:56:09 PM



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.44 min Scan# 1625
Delta R.T. -0.02 min
Lab File: BF093908.D
Acq: 24 Mar 2017 15:07

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	483688		
94	10.5	9.4	14.2	
80	10.7	10.2	15.2	





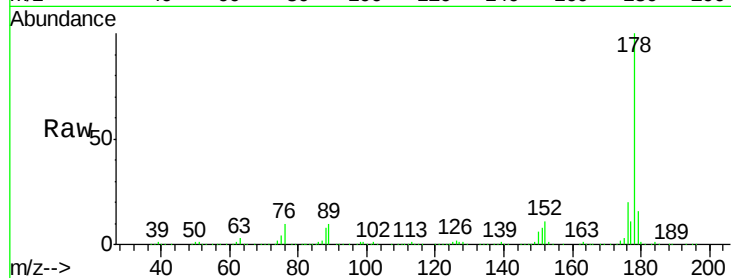
#70
Phenanthrene
Concen: 21.23 ng
RT: 11.47 min Scan# 1629
Delta R.T. -0.02 min
Lab File: BF093908.D
Acq: 24 Mar 2017 15:07

Instrument :
BNA_F
ClientSampleId :
E2-CC10-ESW

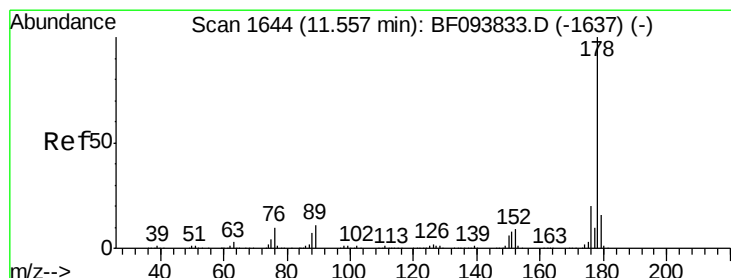
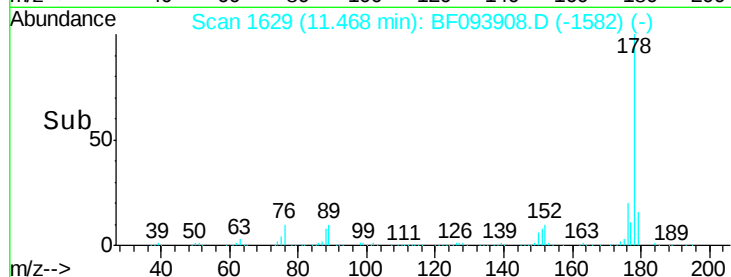
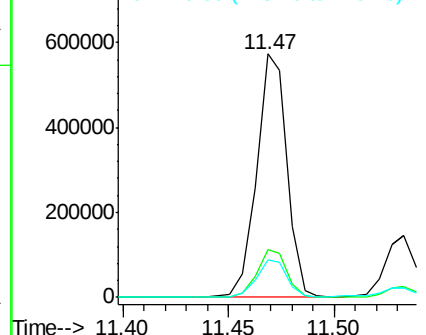
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	16.2	24.4
179	15.7	12.6	19.0

Manual Integrations
APPROVED

mohammad
3/27/2017 12:56:09 PM



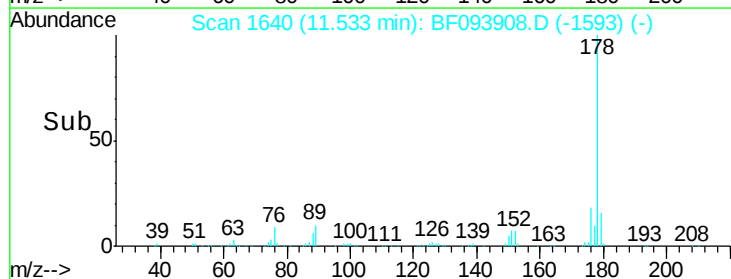
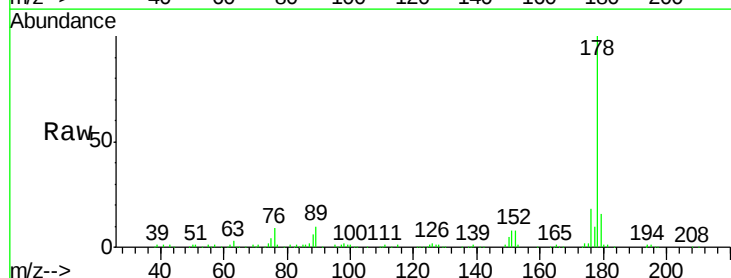
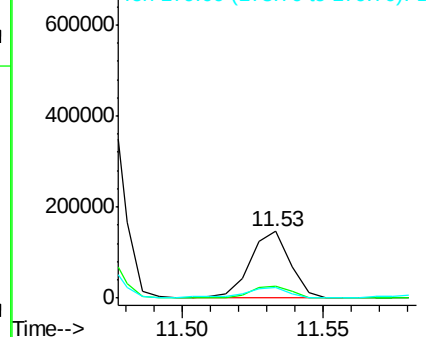
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

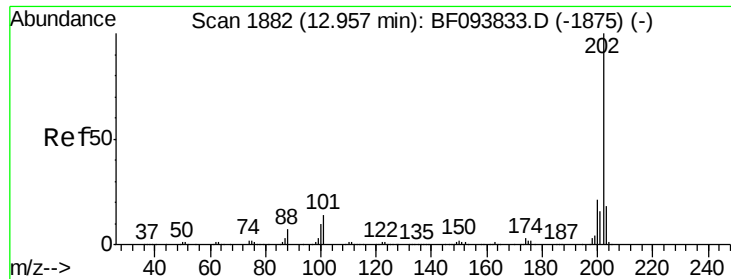


#71
Anthracene
Concen: 5.08 ng
RT: 11.53 min Scan# 1640
Delta R.T. -0.02 min
Lab File: BF093908.D
Acq: 24 Mar 2017 15:07

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.8	23.8
179	15.8	12.7	19.1

Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 26.59 ng

RT: 12.94 min Scan# 1879

Delta R.T. -0.02 min

Lab File: BF093908.D

Acq: 24 Mar 2017 15:07

Instrument :

BNA_F

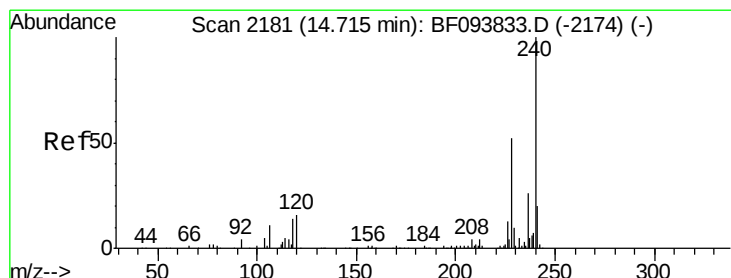
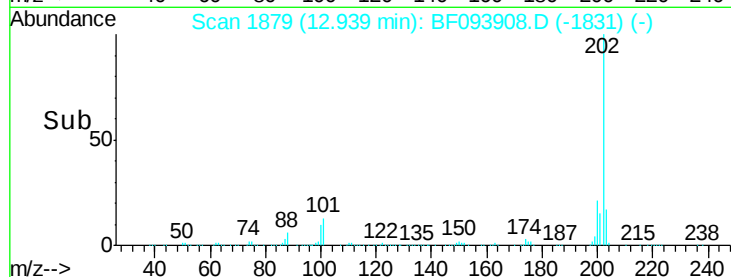
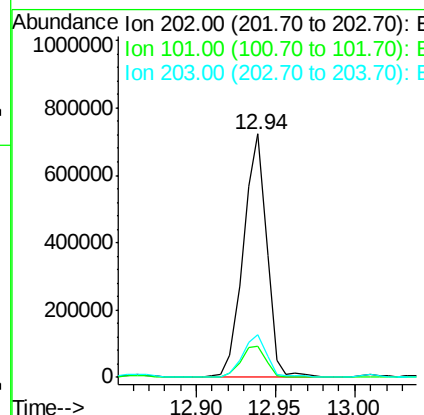
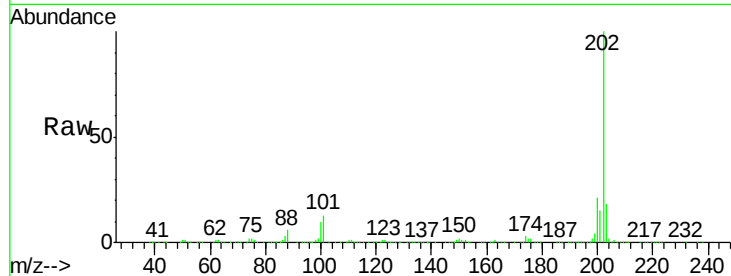
ClientSampleId :

E2-CC10-ESW

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.9	0.0	33.2
203	17.5	0.0	38.1

Manual Integrations
APPROVED

mohammad
3/27/2017 12:56:09 PM



#75

Chrysene-d12

Concen: 20.00 ng

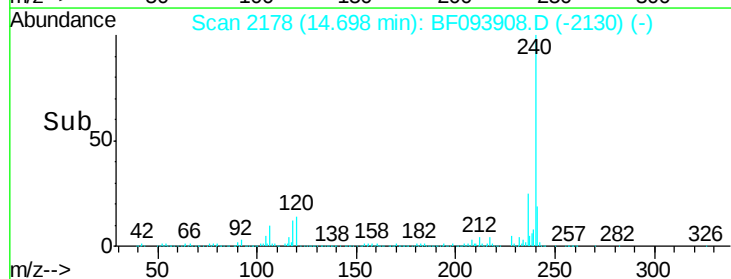
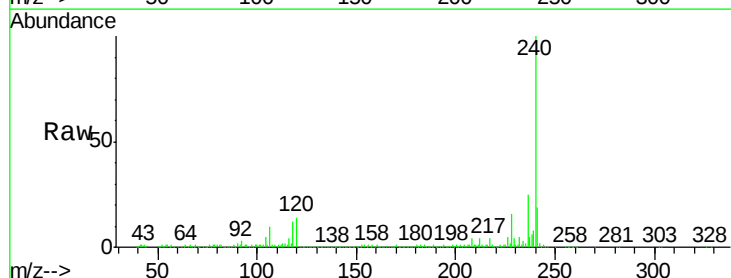
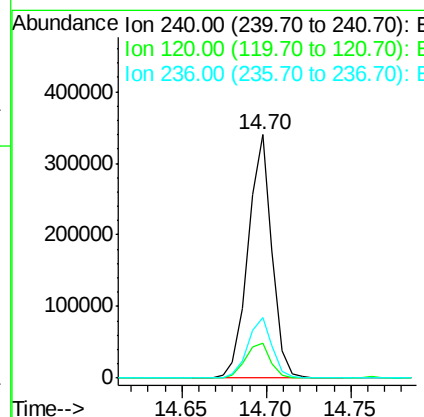
RT: 14.70 min Scan# 2178

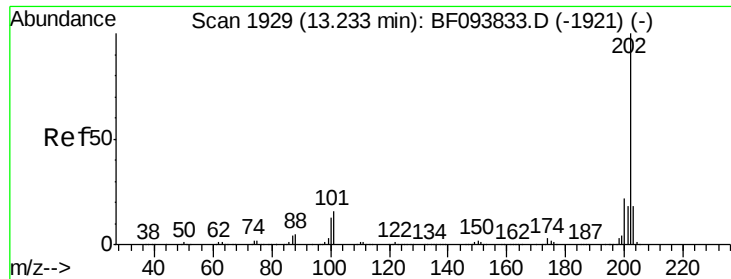
Delta R.T. -0.02 min

Lab File: BF093908.D

Acq: 24 Mar 2017 15:07

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	14.2	5.8	8.8#
236	25.1	20.5	30.7





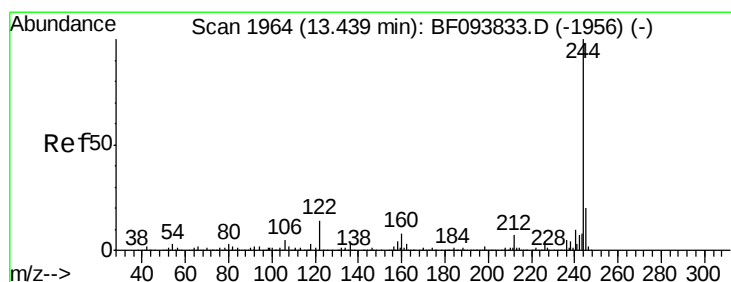
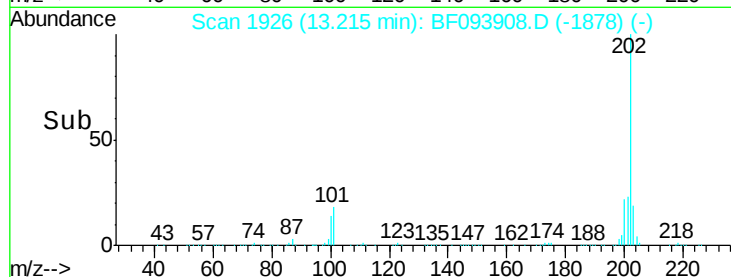
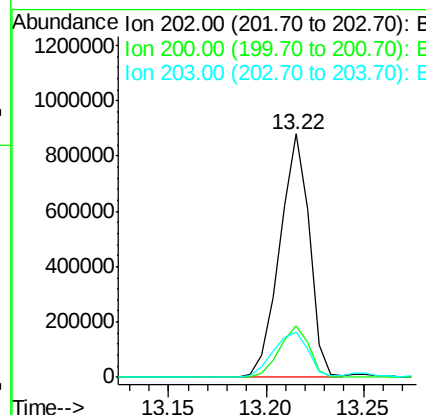
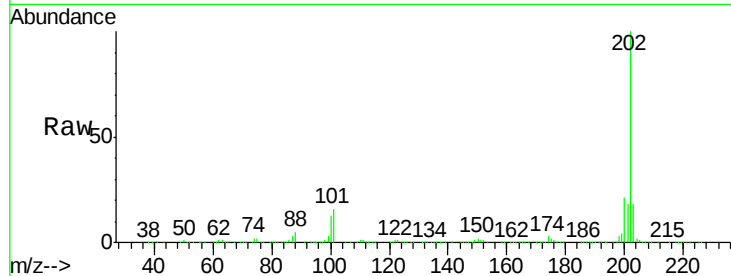
#77
Pvrene
Concen: 38.28 ng
RT: 13.22 min Scan# 1926
Delta R.T. -0.02 min
Lab File: BF093908.D
Acq: 24 Mar 2017 15:07

Instrument :
BNA_F
ClientSampleId :
E2-CC10-ESW

Tot Ion:	202	Resp:	924953
Ion Ratio	Lower	Upper	
202	100		
200	21.4	17.6	26.4
203	18.4	14.4	21.6

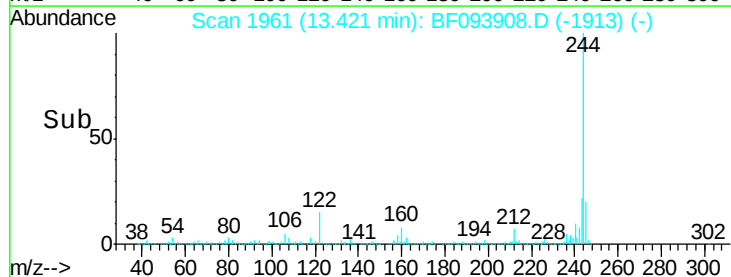
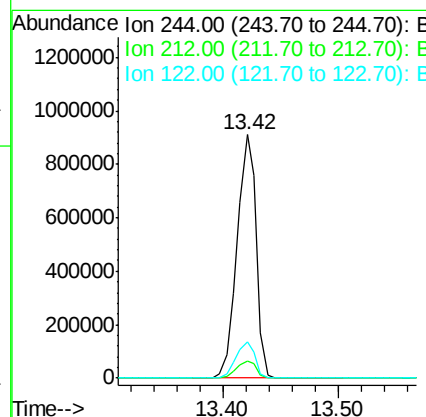
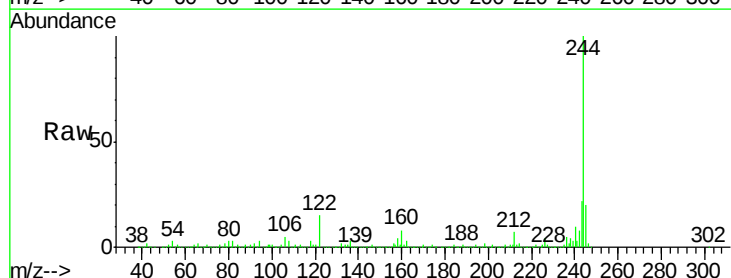
Manual Integrations
APPROVED

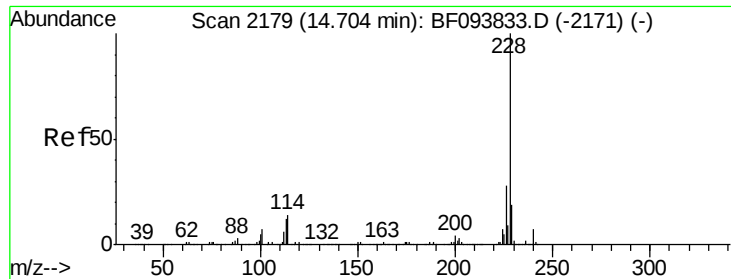
mohammad
3/27/2017 12:56:09 PM



#78
Terphenyl-d14
Concen: 69.91 ng
RT: 13.42 min Scan# 1961
Delta R.T. -0.02 min
Lab File: BF093908.D
Acq: 24 Mar 2017 15:07

Tgt Ion:	244	Resp:	1038317
Ion Ratio	Lower	Upper	
244	100		
212	7.2	6.0	9.0
122	14.7	10.3	15.5





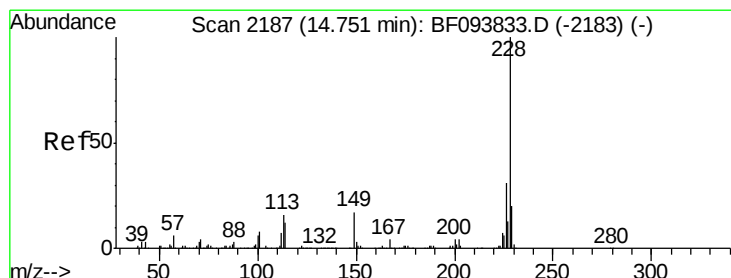
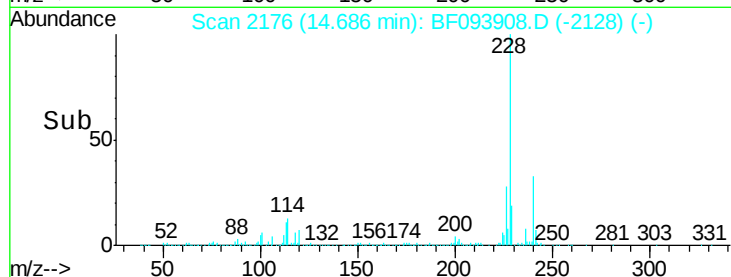
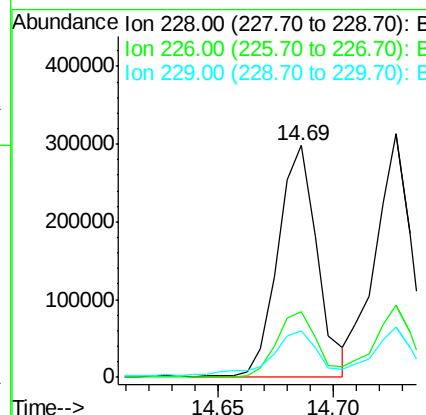
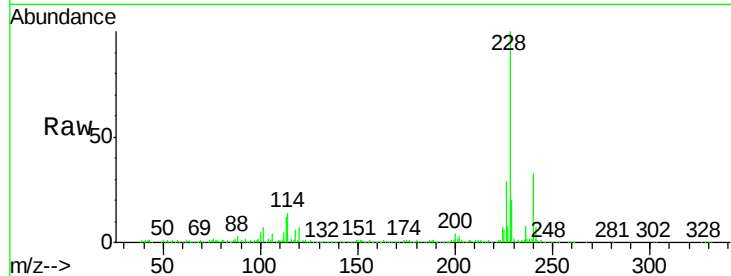
#80
Benzo(a)anthracene
Concen: 18.03 ng
RT: 14.69 min Scan# 2176
Delta R.T. -0.02 min
Lab File: BF093908.D
Acq: 24 Mar 2017 15:07

Instrument :
BNA_F
ClientSampleId :
E2-CC10-ESW

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.6	33.8
229	20.1	16.3	24.5

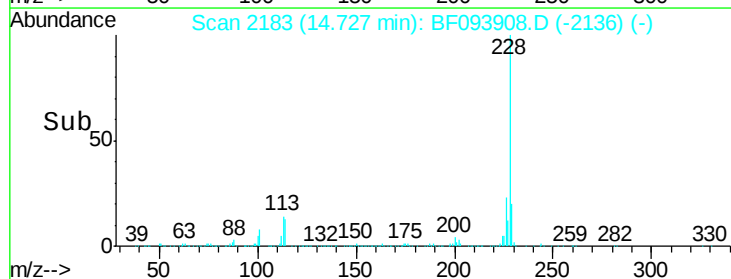
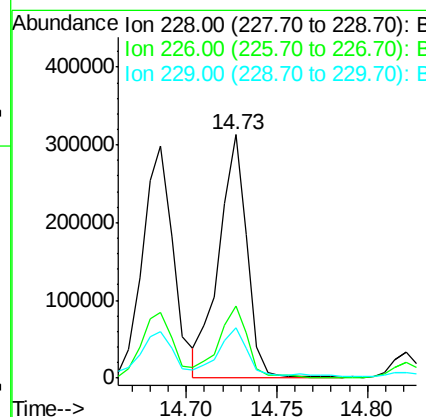
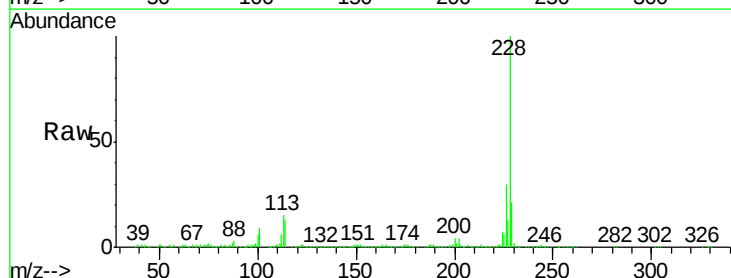
Manual Integrations
APPROVED

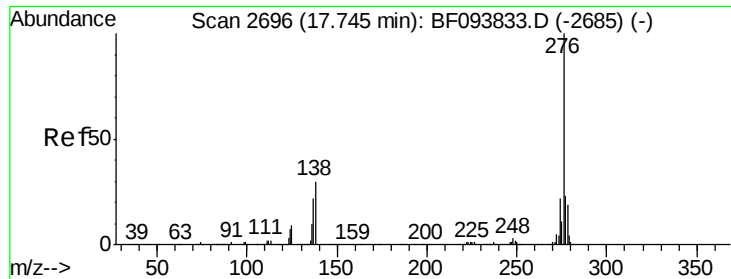
mohammad
3/27/2017 12:56:09 PM



#82
Chrysene
Concen: 18.48 ng
RT: 14.73 min Scan# 2183
Delta R.T. -0.02 min
Lab File: BF093908.D
Acq: 24 Mar 2017 15:07

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.9	37.3
229	20.7	15.8	23.6





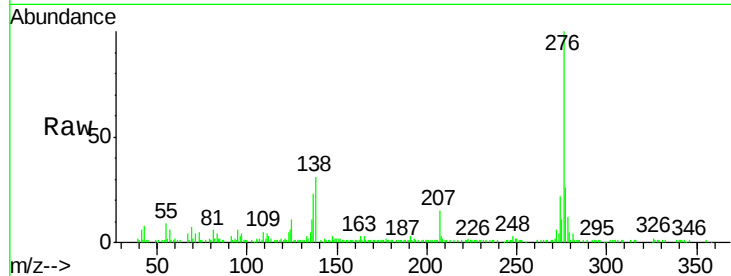
#85
Indeno(1,2,3-cd)pyrene
Concen: 7.29 ng
RT: 17.72 min Scan# 2691
Delta R.T. -0.03 min
Lab File: BF093908.D
Acq: 24 Mar 2017 15:07

Instrument :
BNA_F
ClientSampleId :
E2-CC10-ESW

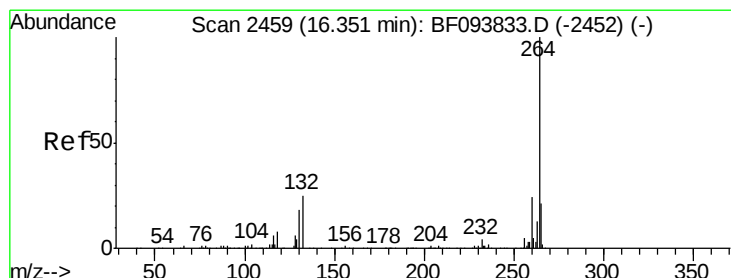
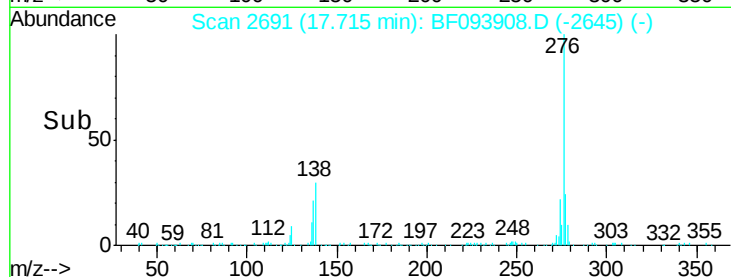
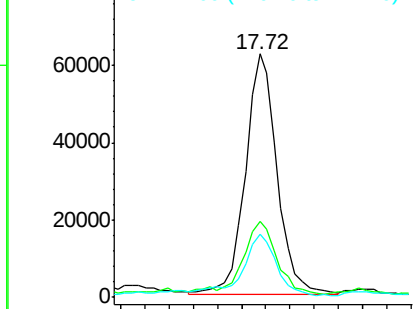
Tot Ion	Ratio	Lower	Upper
276	100		
138	32.5	27.8	41.6
277	27.8	20.2	30.4

Manual Integrations
APPROVED

mohammad
3/27/2017 12:56:09 PM

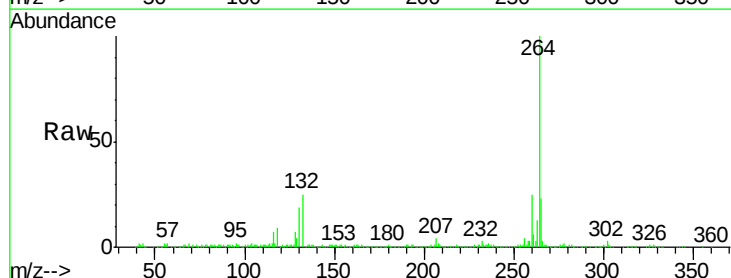


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

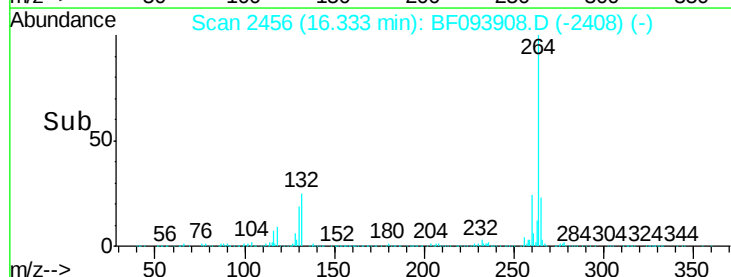
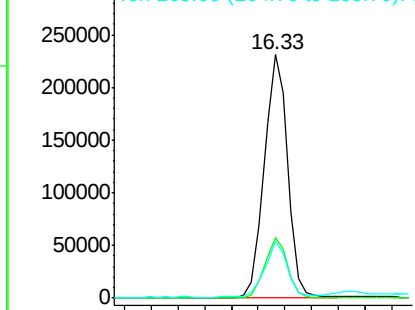


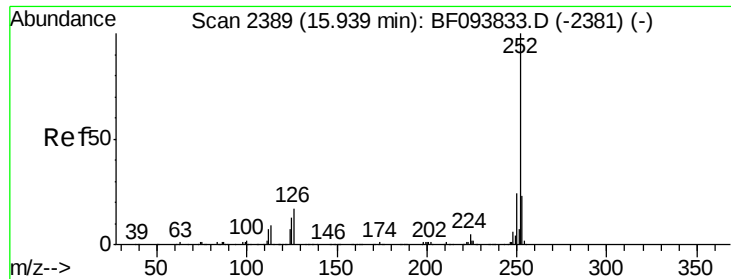
#86
Perylene-d12
Concen: 20.00 ng
RT: 16.33 min Scan# 2456
Delta R.T. -0.02 min
Lab File: BF093908.D
Acq: 24 Mar 2017 15:07

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.5	29.3
265	23.0	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





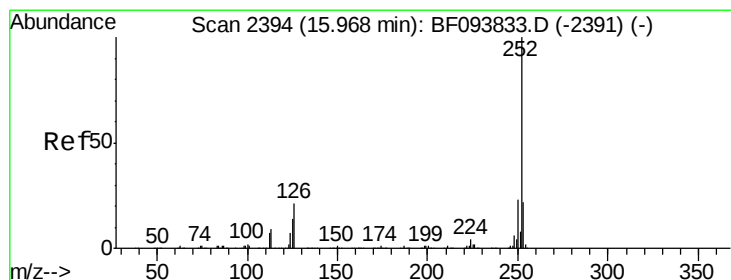
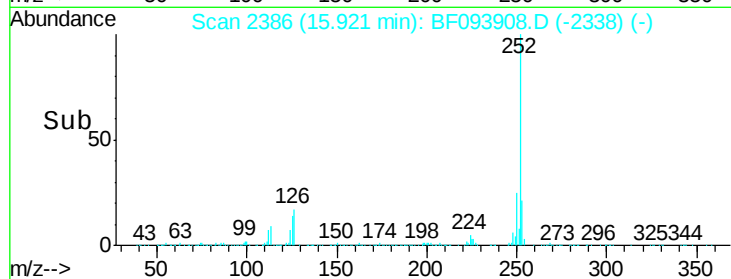
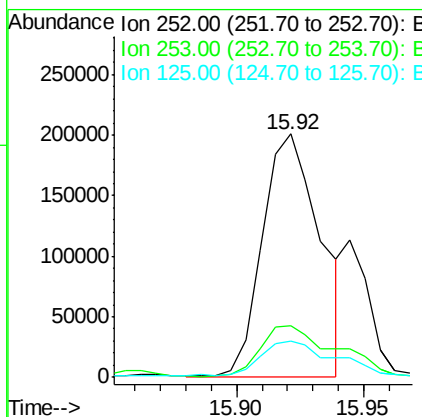
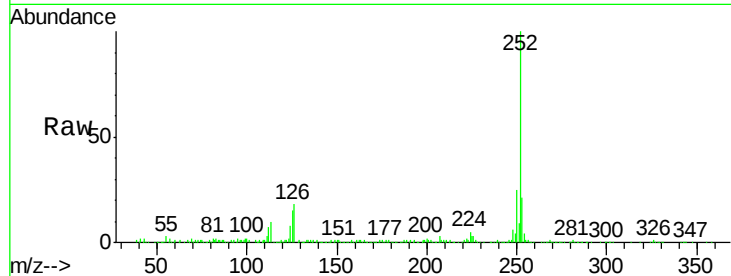
#87
Benzo(b)fluoranthene
Concen: 18.52 ng m
RT: 15.92 min Scan# 2386
Delta R.T. -0.02 min
Lab File: BF093908.D
Acq: 24 Mar 2017 15:07

Instrument :
BNA_F
ClientSampled :
E2-CC10-ESW

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.1	18.1	27.1
125	14.7	9.8	14.8

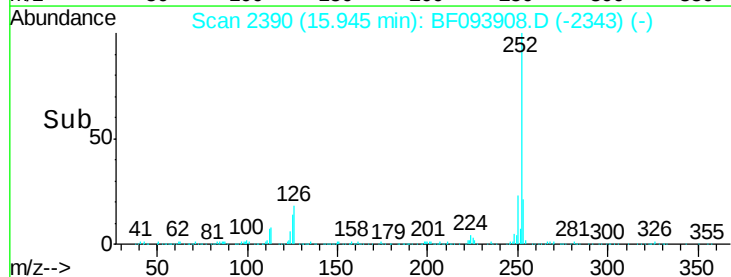
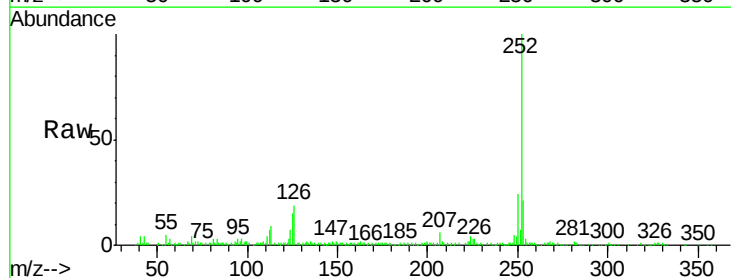
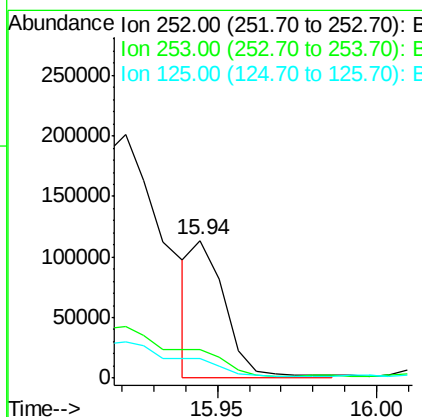
Manual Integrations
APPROVED

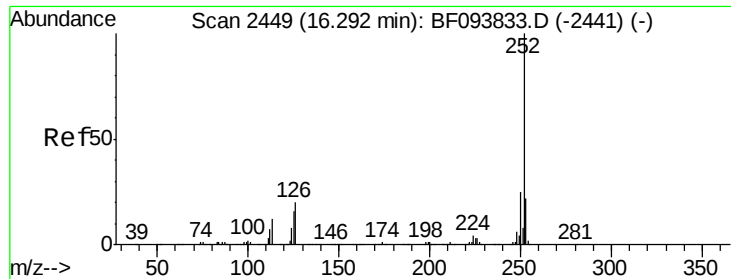
mohammad
3/27/2017 12:56:09 PM



#88
Benzo(k)fluoranthene
Concen: 4.92 ng m
RT: 15.94 min Scan# 2390
Delta R.T. -0.02 min
Lab File: BF093908.D
Acq: 24 Mar 2017 15:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.1	18.4	27.6
125	14.6	13.1	19.7





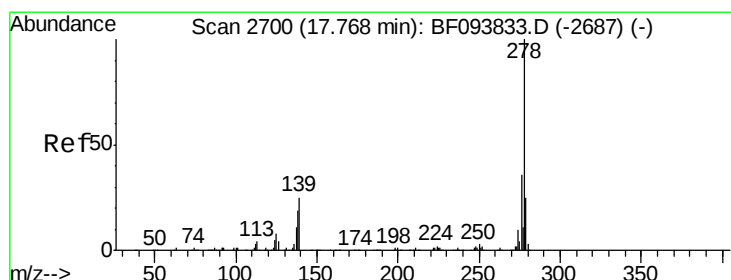
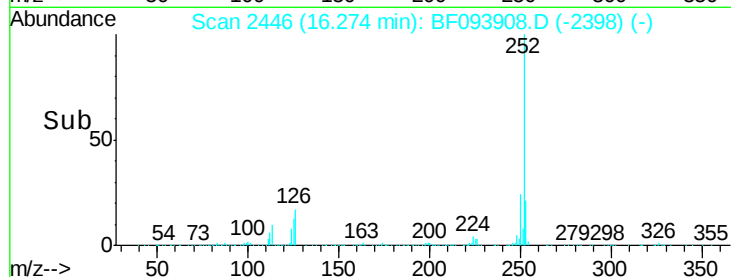
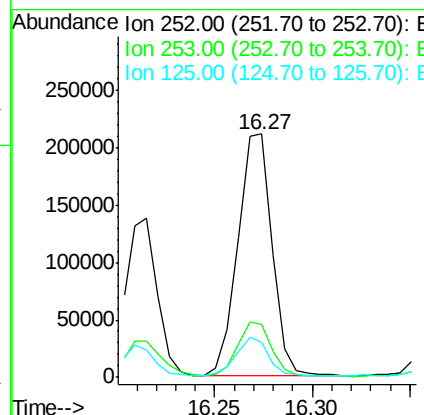
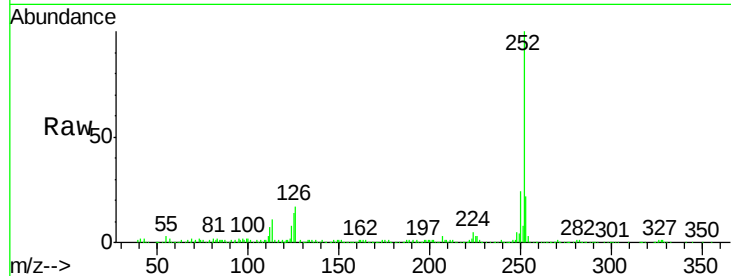
#89
Benzo(a)pyrene
Concen: 16.14 ng
RT: 16.27 min Scan# 2446
Delta R.T. -0.02 min
Lab File: BF093908.D
Acq: 24 Mar 2017 15:07

Instrument :
BNA_F
ClientSampleId :
E2-CC10-ESW

Tot Ion	Ratio	Resp	Lower	Upper
252	100	255603		
253	21.9		17.5	26.3
125	14.2		11.0	16.4

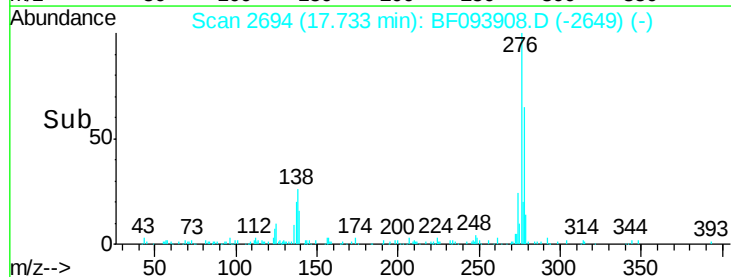
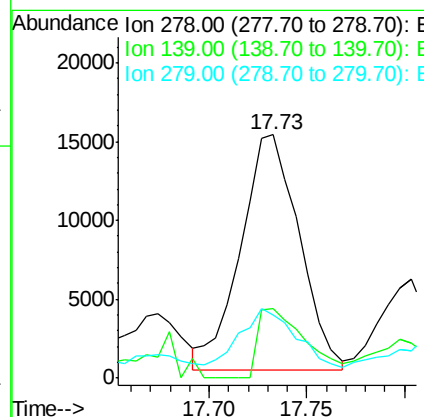
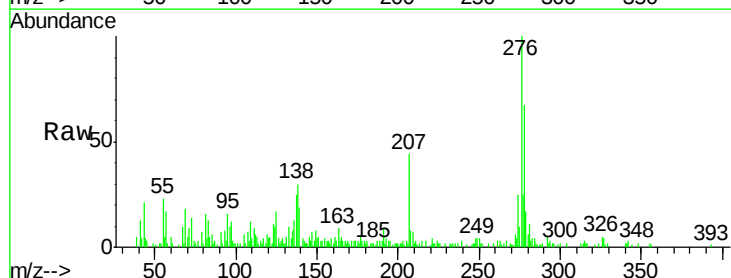
Manual Integrations
APPROVED

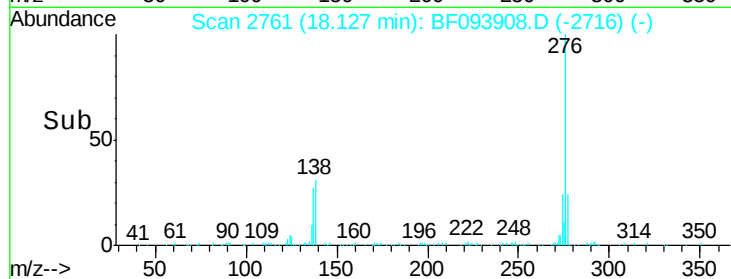
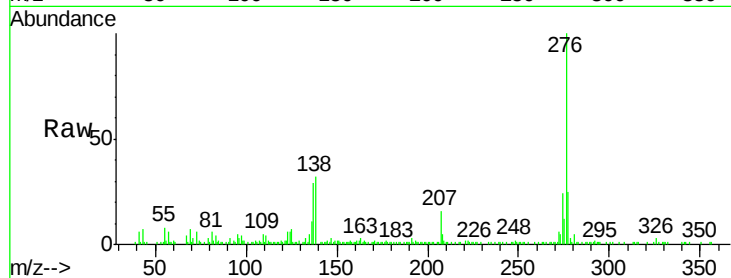
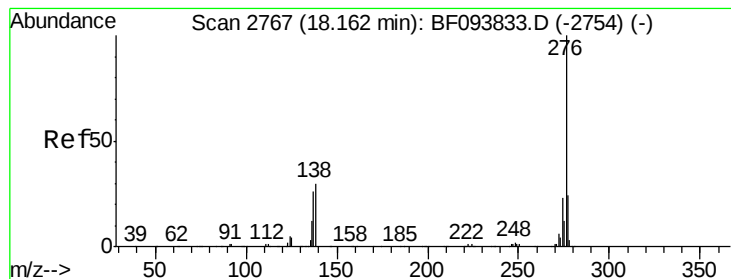
mohammad
3/27/2017 12:56:09 PM



#90
Dibenzo(a,h)anthracene
Concen: 2.32 ng
RT: 17.73 min Scan# 2694
Delta R.T. -0.04 min
Lab File: BF093908.D
Acq: 24 Mar 2017 15:07

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	31170		
139	28.7		16.6	24.8#
279	25.7		19.3	28.9





#91

Benzo(a,h,i)perylene

Concen: 8.52 ng

RT: 18.13 min Scan# 2761

Delta R.T. -0.04 min

Lab File: BF093908.D

Acq: 24 Mar 2017 15:07

Tot Ion:	276	Resp:	115110
Ion Ratio	Lower	Upper	
276	100		
277	24.6	18.6	28.0
138	32.3	25.4	38.0

Instrument :

BNA_F

ClientSampleId :

E2-CC10-ESW

Manual Integrations
APPROVED

mohammad
3/27/2017 12:56:09 PM

