

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022717\
 Data File : BF093210.D
 Acq On : 27 Feb 2017 15:47
 Operator : SJ/MA
 Sample : I1972-02 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2B15-BASE-2

Manual Integrations
 APPROVED

mohammad
 2/28/2017 2:29:24 PM

Quant Time: Feb 27 16:25:35 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 17 17:31:55 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	166567	20.00	ng	-0.02
21) Naphthalene-d8	8.12	136	614623	20.00	ng	-0.02
38) Acenaphthene-d10	9.89	164	247264	20.00	ng	0.00
63) Phenanthrene-d10	11.38	188	358524	20.00	ng	0.00
75) Chrysene-d12	14.02	240	326404	20.00	ng	0.00
86) Perylene-d12	15.45	264	272119	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	265310	27.33	ng	-0.02
7) Phenol-d6	6.48	99	334670	26.79	ng	-0.01
23) Nitrobenzene-d5	7.40	82	187895	17.02	ng	-0.02
41) 2,4,6-Tribromophenol	10.68	330	40489	22.64	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	315642	23.13	ng	-0.01
78) Terphenyl-d14	12.96	244	174611	12.57	ng	-0.01
Target Compounds						
20) 3+4-Methylphenols	7.26	107	30099	2.74	ng	Qvalue # 63
70) Phenanthrene	11.40	178	167040	8.13	ng	97
71) Anthracene	11.45	178	42995	2.08	ng	99
74) Fluoranthene	12.59	202	203173	9.59	ng	96
77) Pyrene	12.82	202	181722	7.44	ng	99
80) Benzo(a)anthracene	14.01	228	100173	5.02	ng	95
82) Chrysene	14.04	228	86444m	4.62	ng	
85) Indeno(1,2,3-cd)pyrene	16.87	276	32567	2.25	ng	96
87) Benzo(b)fluoranthene	15.04	252	95321m	5.32	ng	
88) Benzo(k)fluoranthene	15.05	252	40926m	2.65	ng	
89) Benzo(a)pyrene	15.39	252	68555	4.42	ng	# 91
91) Benzo(a,h,i)perylene	17.29	276	34447	2.72	ng	# 85

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

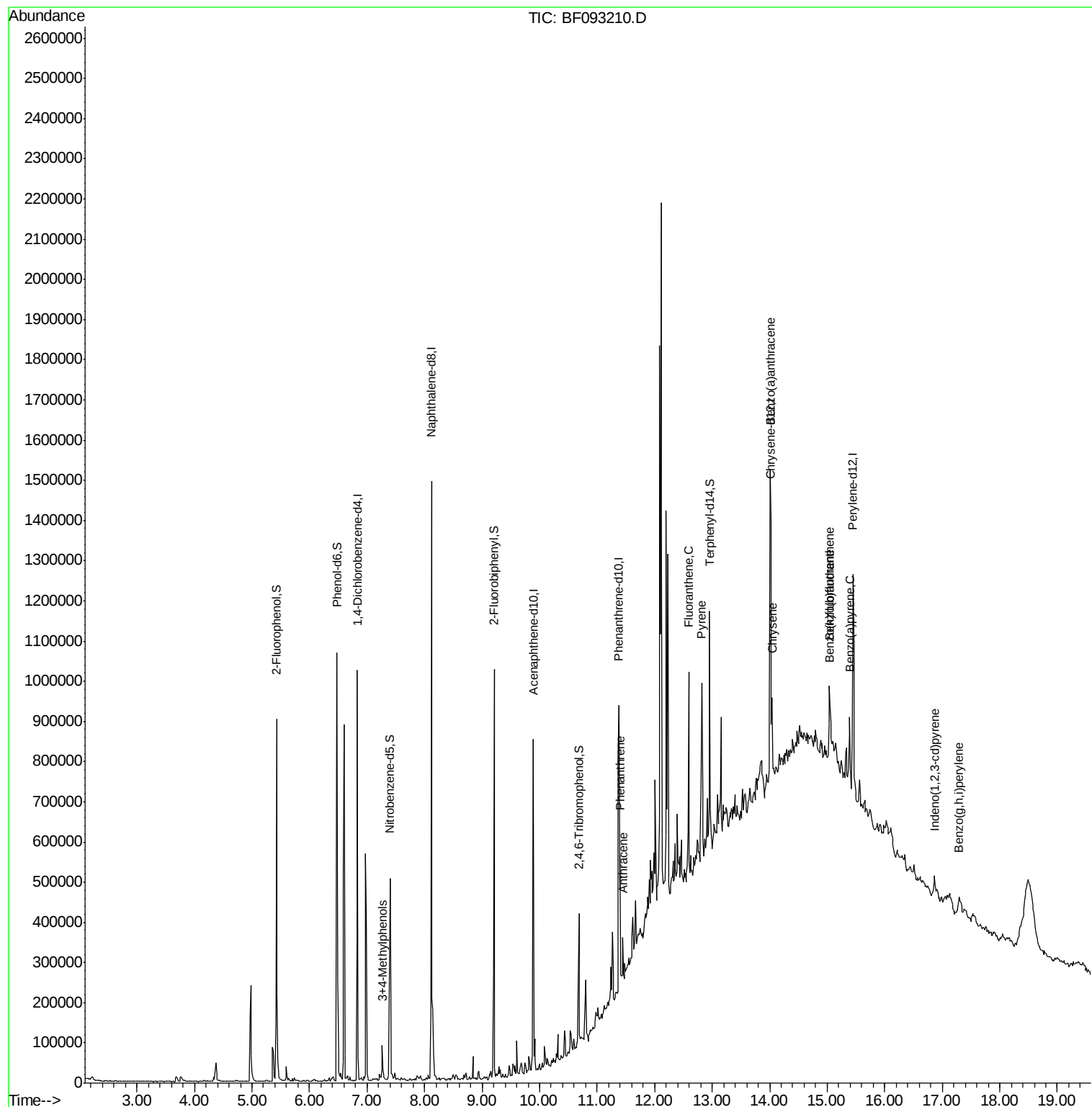
Data Path : Z:\HPCHEM1\BNA F\DATA\BF022717\
Data File : BF093210.D
Acq On : 27 Feb 2017 15:47
Operator : SJ/MA
Sample : I1972-02 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

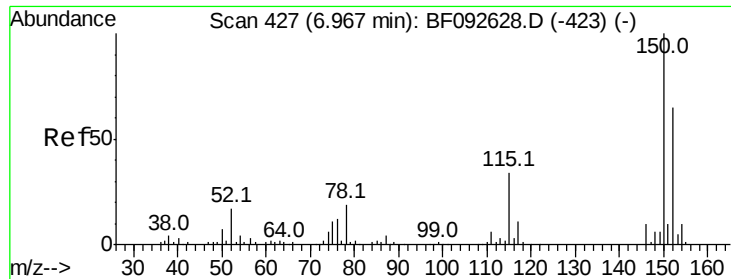
Instrument :
BNA_F
ClientSampleId :
E2B15-BASE-2

Manual Integrations
APPROVED

mohammad
2/28/2017 2:29:24 PM

Quant Time: Feb 27 16:25:35 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 17 17:31:55 2017
Response via : Initial Calibration





#1

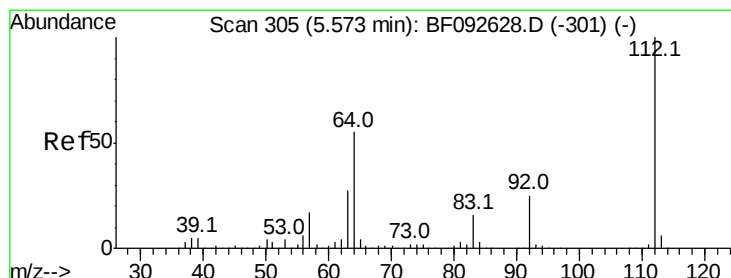
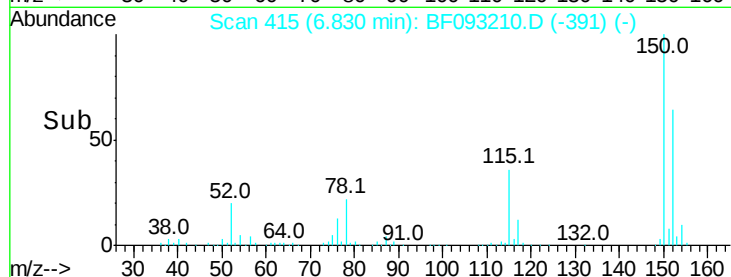
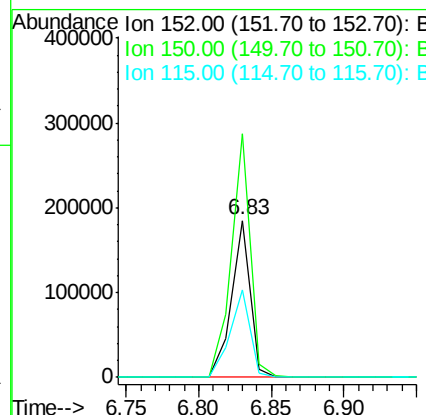
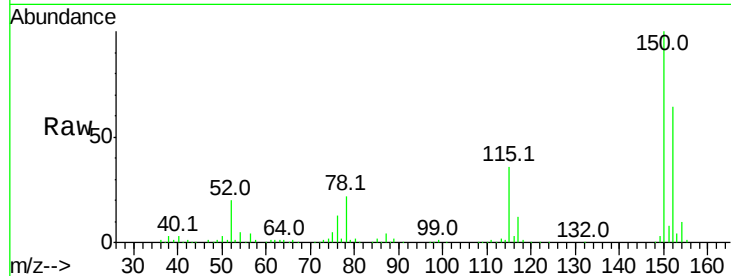
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.83 min Scan# 415
Delta R.T. -0.02 min
Lab File: BF093210.D
Acq: 27 Feb 2017 15:47

Instrument :
BNA_F
ClientSampleId :
E2B15-BASE-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.2	124.9	187.3
115	55.7	46.0	69.0

Manual Integrations
APPROVED

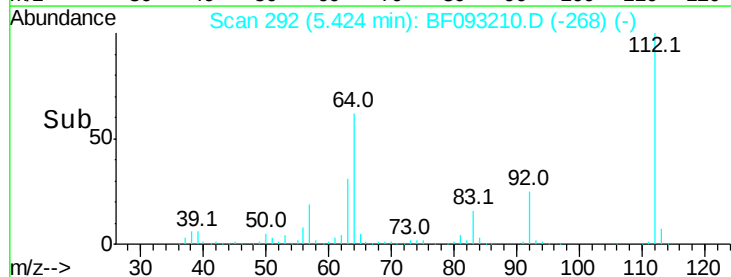
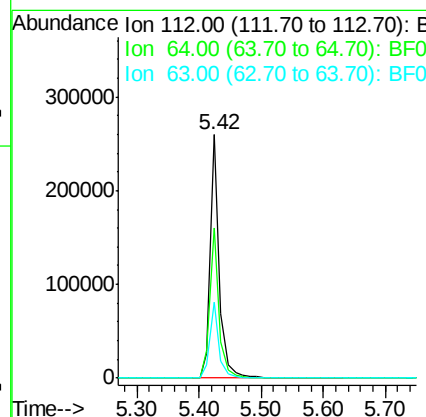
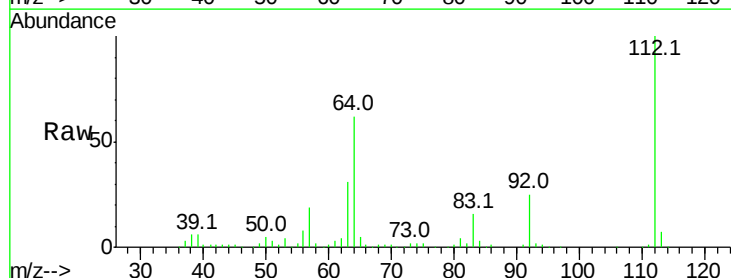
mohammad
2/28/2017 2:29:24 PM



#5

2-Fluorophenol
Concen: 27.33 ng
RT: 5.42 min Scan# 292
Delta R.T. -0.02 min
Lab File: BF093210.D
Acq: 27 Feb 2017 15:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.9	46.1	69.1
63	31.0	23.8	35.6





#7

Phenol-d6

Concen: 26.79 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.01 min

Lab File: BF093210.D

Acq: 27 Feb 2017 15:47

Instrument :

BNA_F

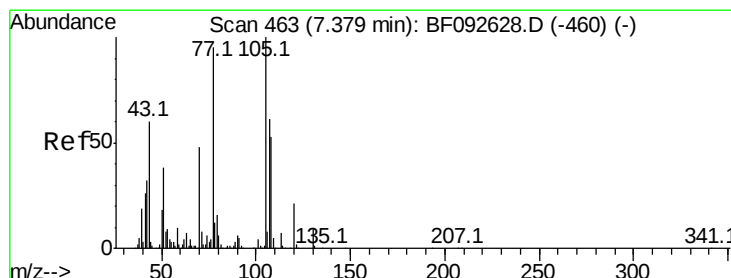
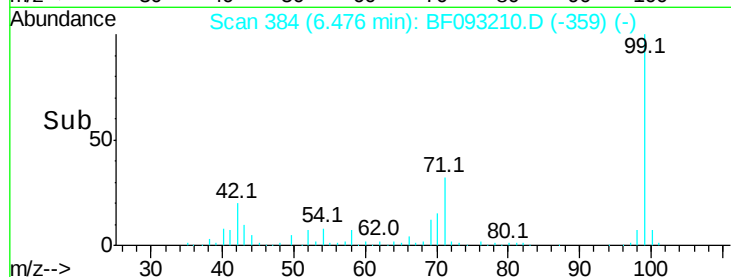
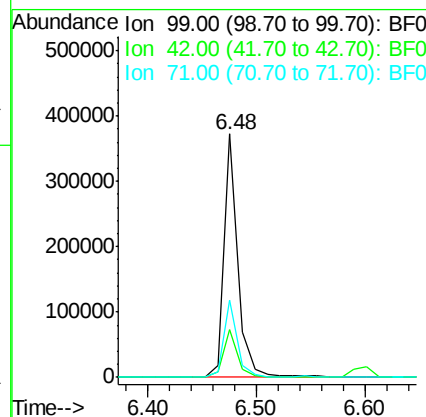
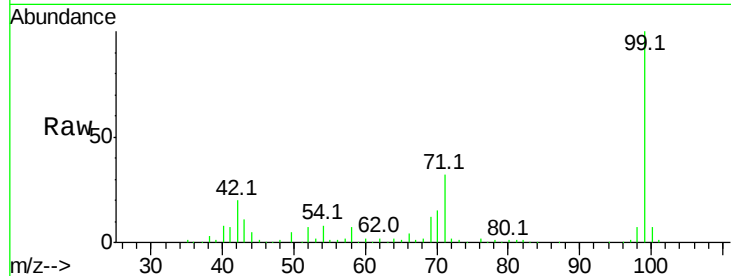
ClientSampleId :

E2B15-BASE-2

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		334670		
42	19.9	15.6	23.4		
71	31.6	27.5	41.3		

Manual Integrations
APPROVED

mohammad
2/28/2017 2:29:24 PM



#20

3+4-Methylphenols

Concen: 2.74 ng

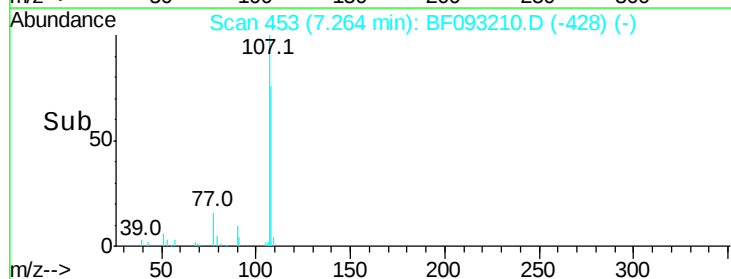
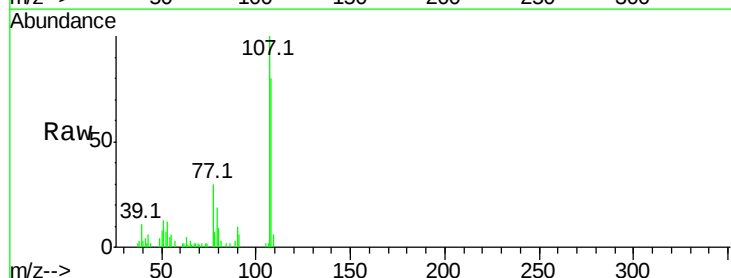
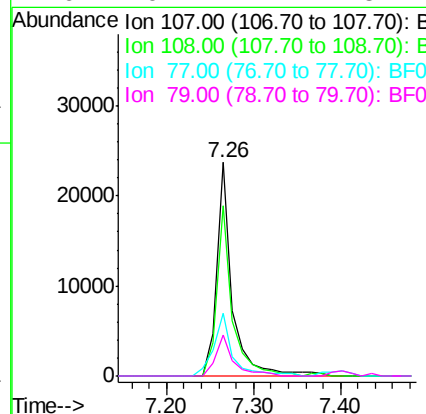
RT: 7.26 min Scan# 453

Delta R.T. -0.01 min

Lab File: BF093210.D

Acq: 27 Feb 2017 15:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		30099		
108	79.5	73.0	113.0		
77	29.6	71.3	111.3		
79	19.2	11.1	51.1		





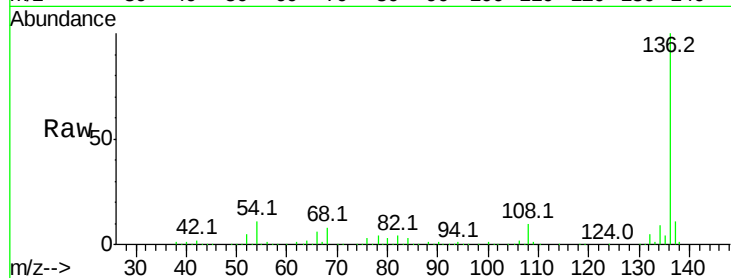
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 528
Delta R.T. -0.02 min
Lab File: BF093210.D
Acq: 27 Feb 2017 15:47

Instrument :
BNA_F
ClientSampleId :
E2B15-BASE-2

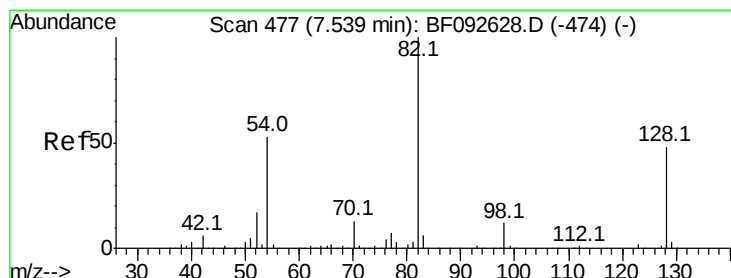
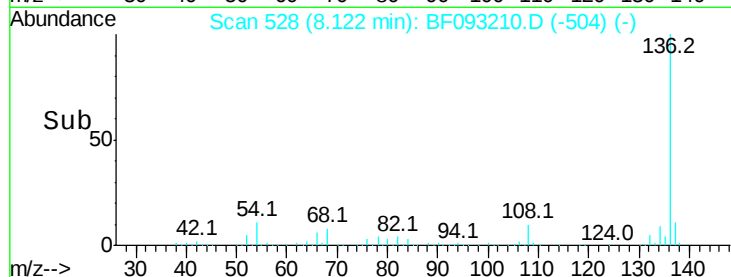
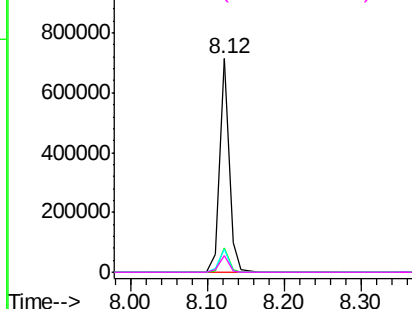
Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.3	8.4	12.6	
54	10.6	4.5	6.7#	
68	7.7	3.6	5.4#	

Manual Integrations
APPROVED

mohammad
2/28/2017 2:29:24 PM

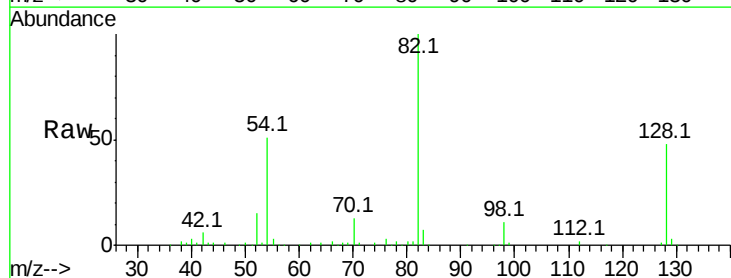


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

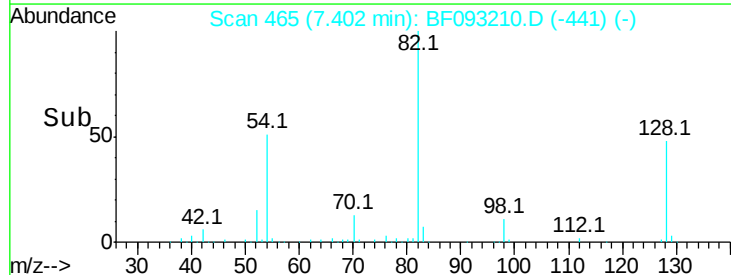
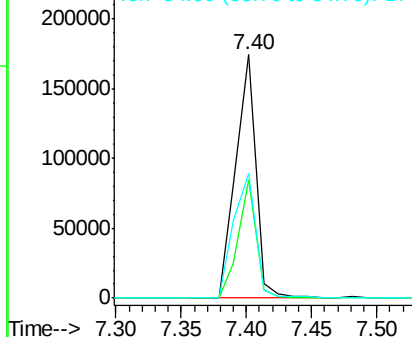


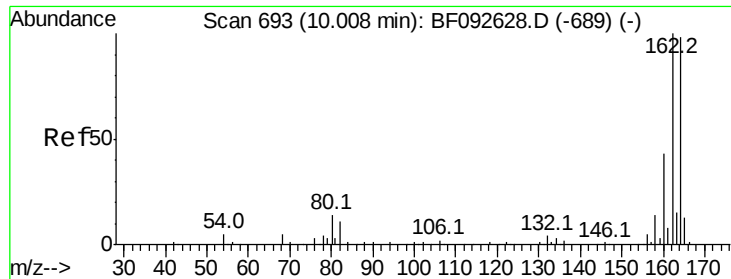
#23
Nitrobenzene-d5
Concen: 17.02 ng
RT: 7.40 min Scan# 465
Delta R.T. -0.02 min
Lab File: BF093210.D
Acq: 27 Feb 2017 15:47

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	48.3	34.6	52.0	
54	51.2	39.5	59.3	



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





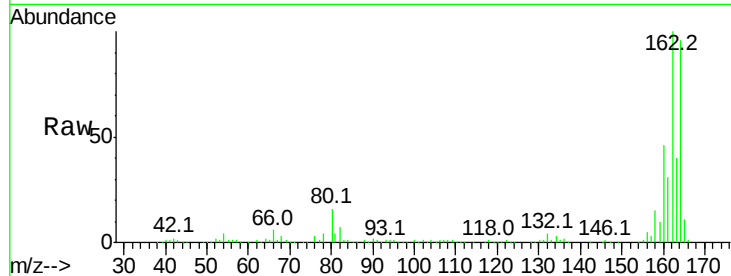
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.89 min Scan# 683
Delta R.T. -0.00 min
Lab File: BF093210.D
Acq: 27 Feb 2017 15:47

Instrument :
BNA_F
ClientSampleId :
E2B15-BASE-2

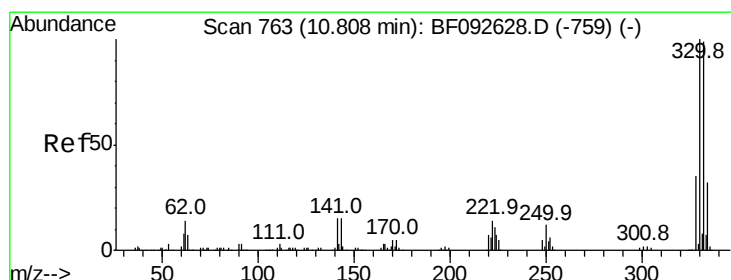
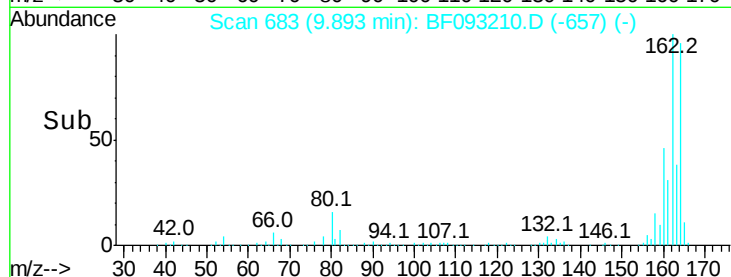
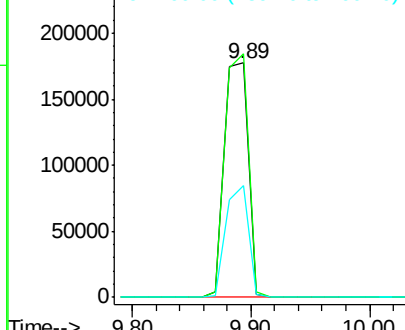
Tot Ion	Ratio	Lower	Upper
164	100		
162	103.8	80.2	120.2
160	47.7	36.9	55.3

Manual Integrations
APPROVED

mohammad
2/28/2017 2:29:24 PM



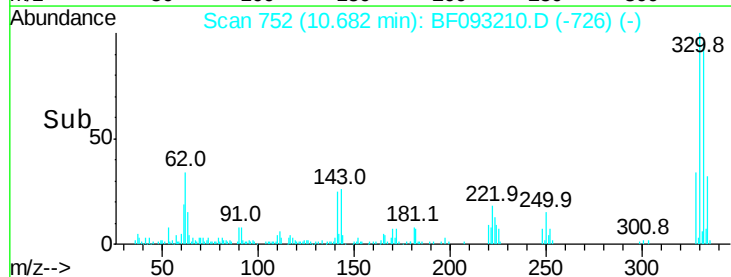
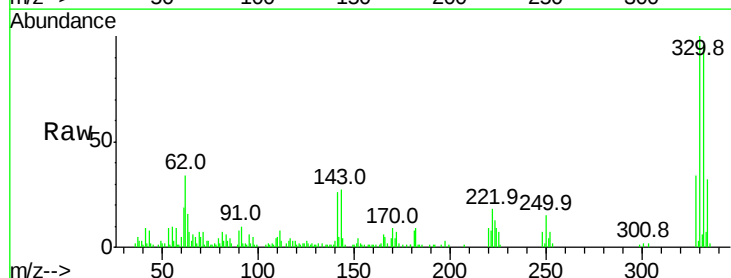
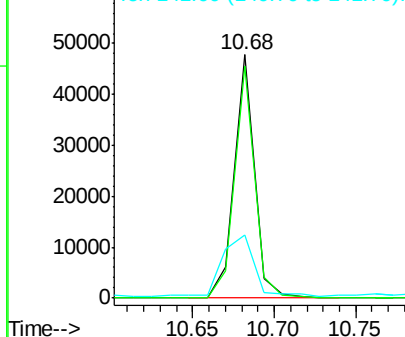
Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

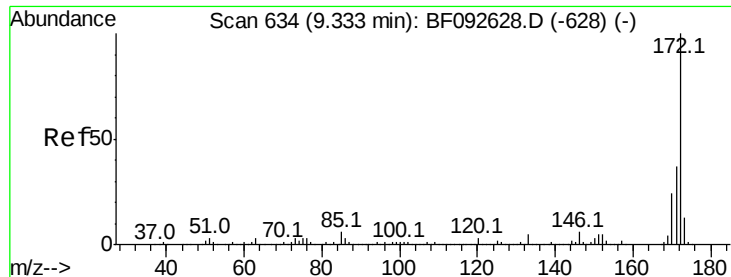


#41
2,4,6-Tribromophenol
Concen: 22.64 ng
RT: 10.68 min Scan# 752
Delta R.T. -0.00 min
Lab File: BF093210.D
Acq: 27 Feb 2017 15:47

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.5	77.4	116.2
141	40.8	34.1	51.1

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





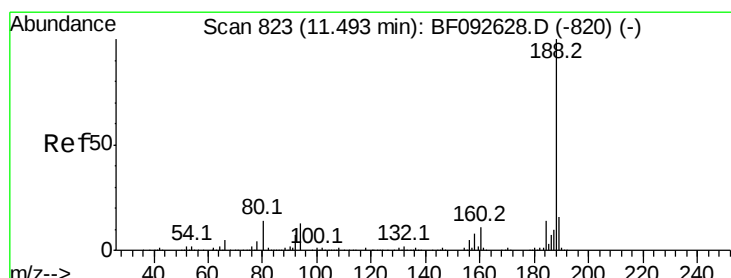
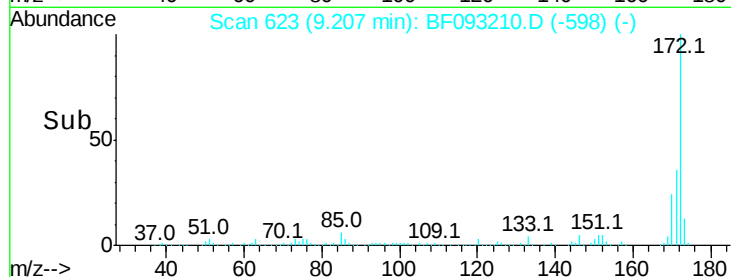
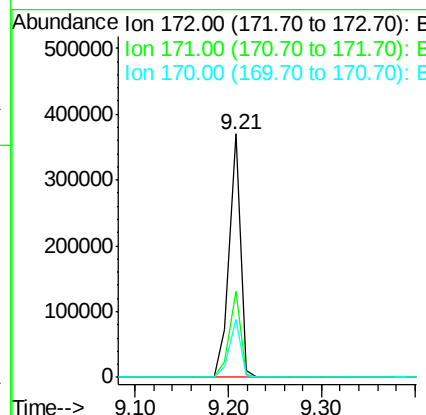
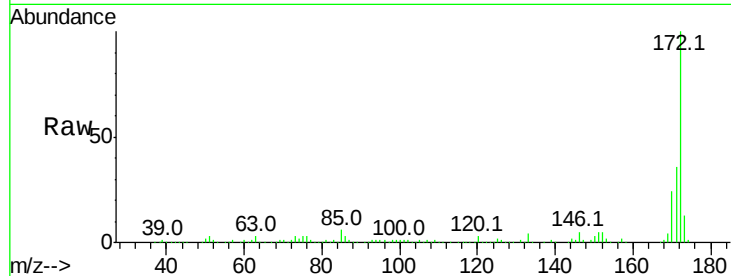
#44
2-Fluorobiphenyl
Concen: 23.13 ng
RT: 9.21 min Scan# 623
Delta R.T. -0.01 min
Lab File: BF093210.D
Acq: 27 Feb 2017 15:47

Instrument :
BNA_F
ClientSampleId :
E2B15-BASE-2

Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.6	29.4	44.0	
170	23.9	20.2	30.4	

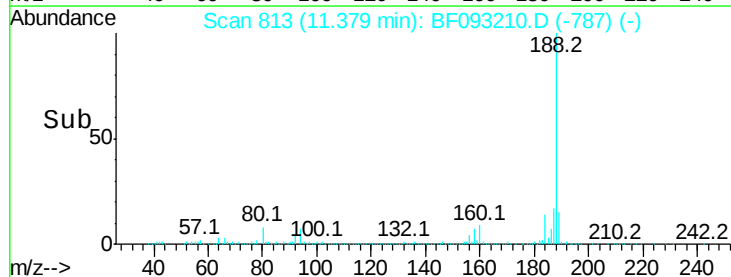
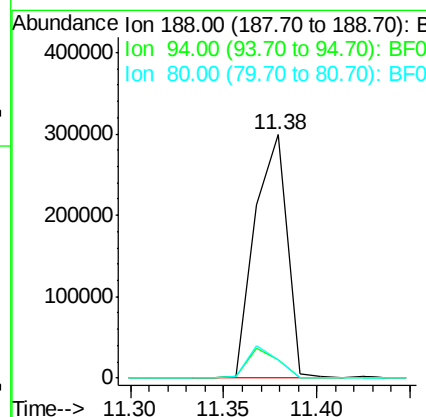
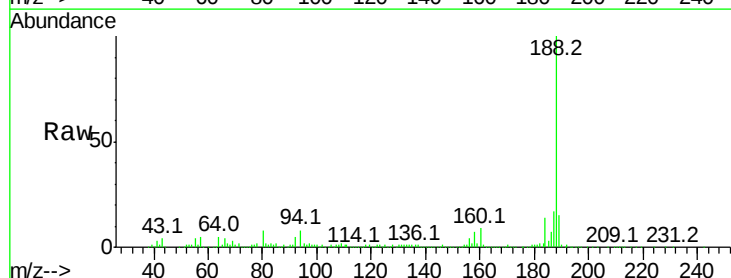
Manual Integrations
APPROVED

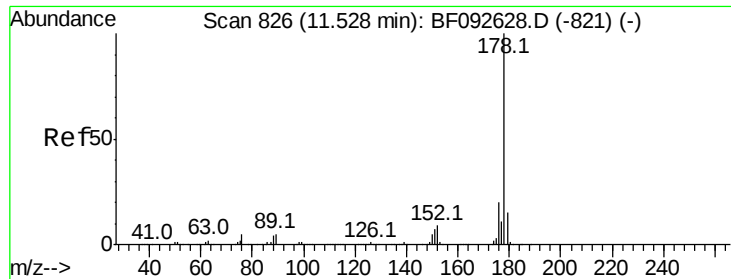
mohammad
2/28/2017 2:29:24 PM



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.38 min Scan# 813
Delta R.T. -0.00 min
Lab File: BF093210.D
Acq: 27 Feb 2017 15:47

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	7.6	10.0	15.0#	
80	7.7	11.2	16.8#	





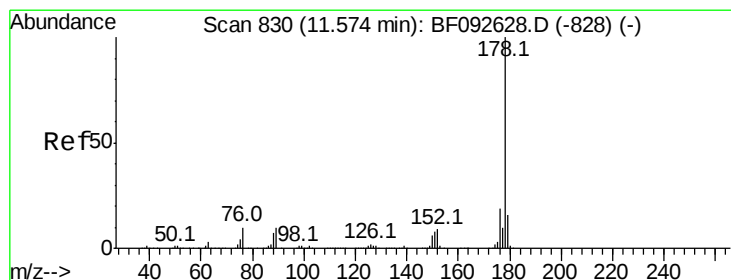
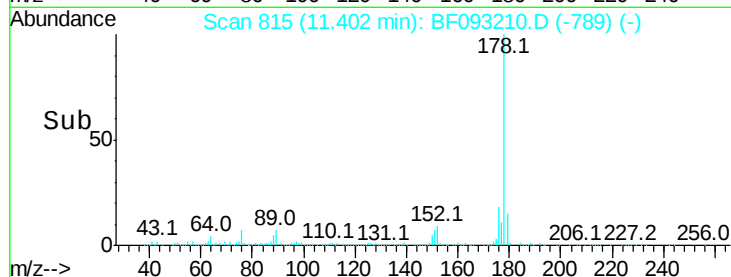
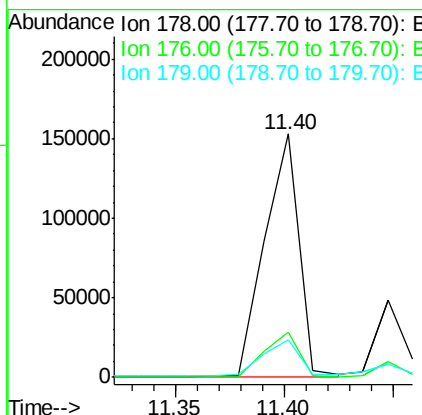
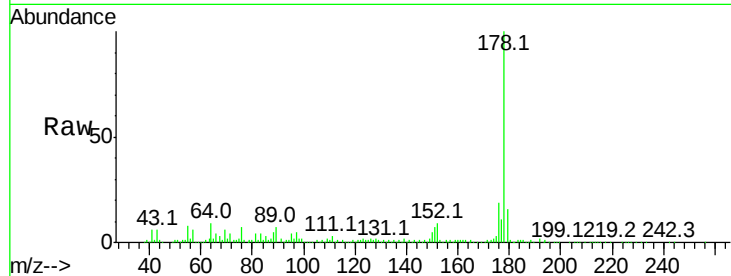
#70
Phenanthrene
Concen: 8.13 ng
RT: 11.40 min Scan# 815
Delta R.T. -0.00 min
Lab File: BF093210.D
Acq: 27 Feb 2017 15:47

Instrument :
BNA_F
ClientSampleId :
E2B15-BASE-2

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	16.6	25.0
179	15.5	12.8	19.2

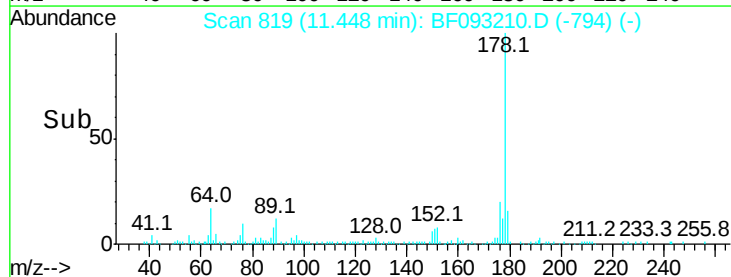
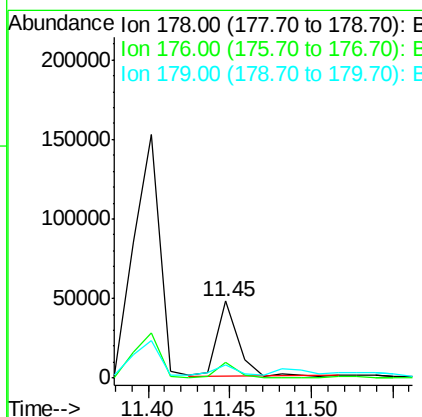
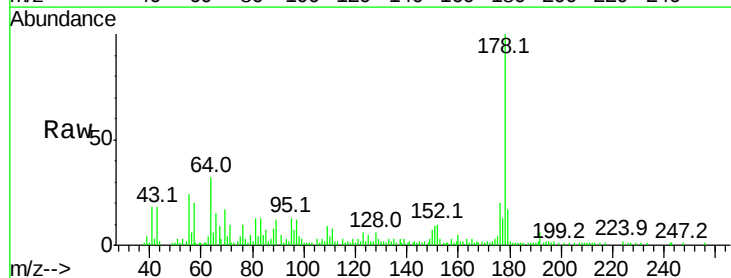
Manual Integrations
APPROVED

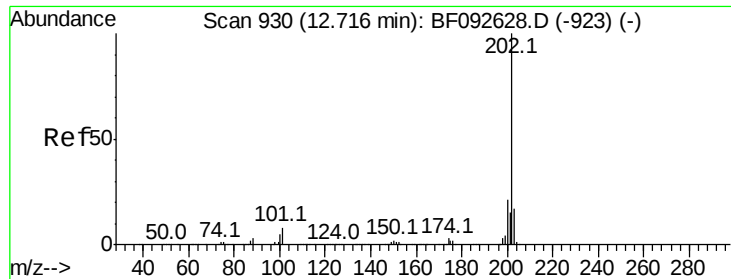
mohammad
2/28/2017 2:29:24 PM



#71
Anthracene
Concen: 2.08 ng
RT: 11.45 min Scan# 819
Delta R.T. -0.01 min
Lab File: BF093210.D
Acq: 27 Feb 2017 15:47

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.3	15.9	23.9
179	17.3	13.2	19.8





#74

Fluoranthene

Concen: 9.59 ng

RT: 12.59 min Scan# 919

Delta R.T. -0.00 min

Lab File: BF093210.D

Acq: 27 Feb 2017 15:47

Instrument :

BNA_F

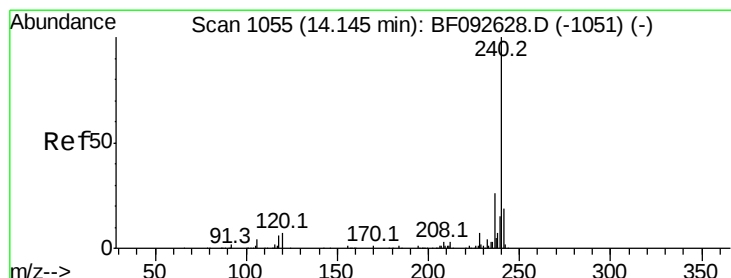
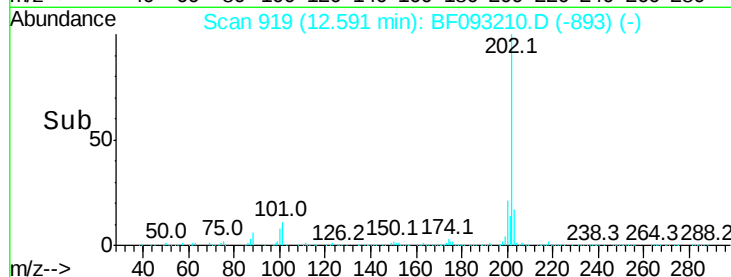
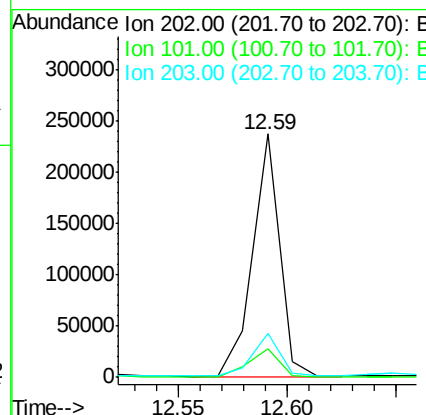
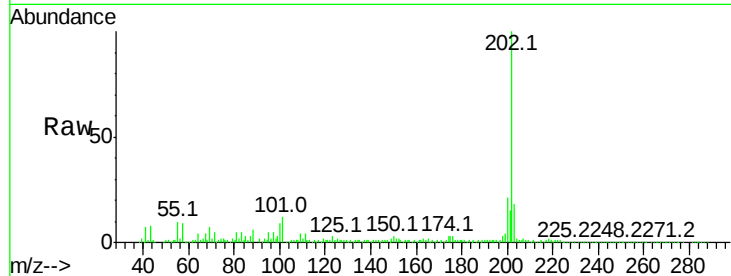
ClientSampleId :

E2B15-BASE-2

Tot Ion:	202	Resp:	203173
Ion Ratio		Lower	Upper
202	100		
101	11.6	0.0	34.6
203	17.9	0.0	38.7

Manual Integrations
APPROVED

mohammad
2/28/2017 2:29:24 PM



#75

Chrysene-d12

Concen: 20.00 ng

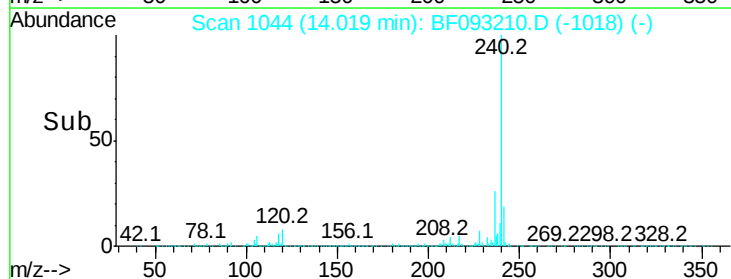
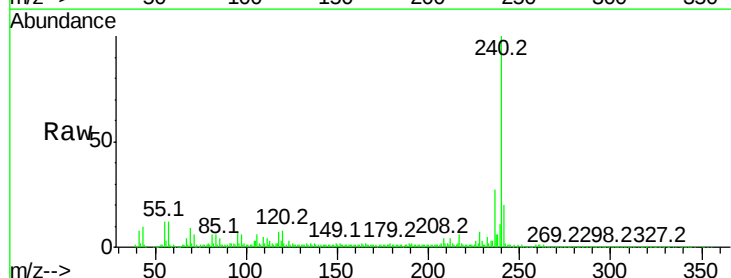
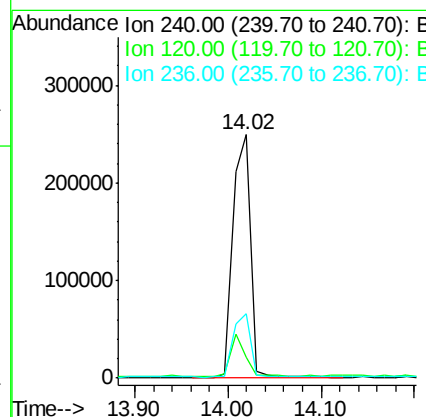
RT: 14.02 min Scan# 1044

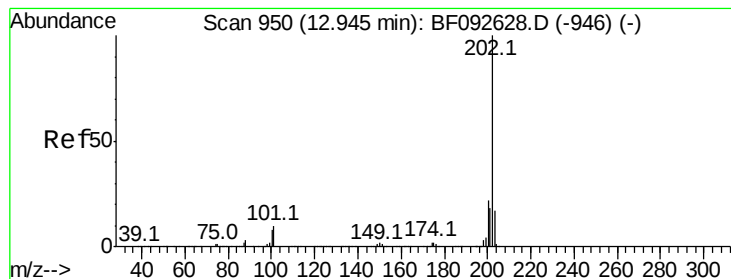
Delta R.T. -0.00 min

Lab File: BF093210.D

Acq: 27 Feb 2017 15:47

Tgt Ion:	240	Resp:	326404
Ion Ratio		Lower	Upper
240	100		
120	8.4	12.9	19.3#
236	26.5	20.9	31.3





#77

Pvrene

Concen: 7.44 ng

RT: 12.82 min Scan# 939

Delta R.T. -0.00 min

Lab File: BF093210.D

Acq: 27 Feb 2017 15:47

Instrument :

BNA_F

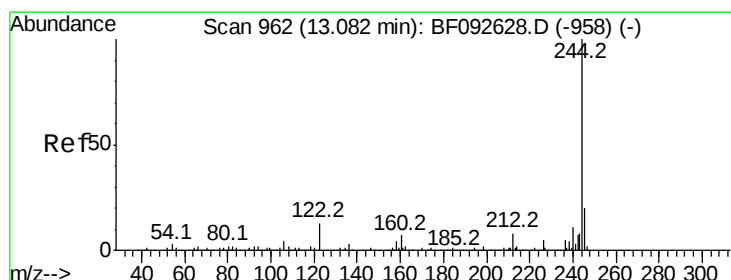
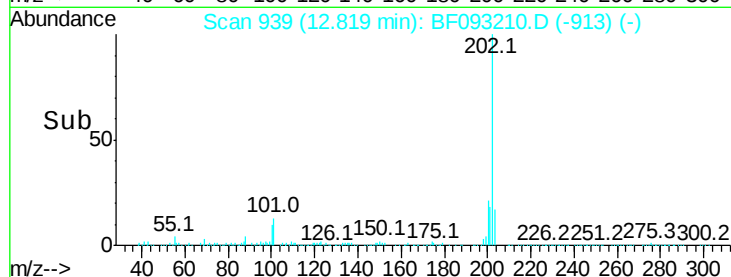
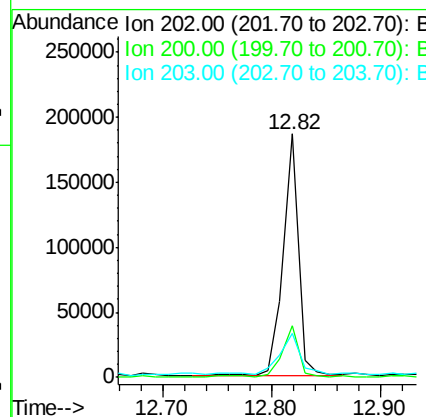
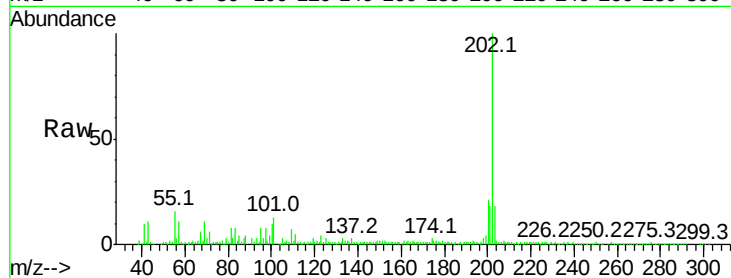
ClientSampleId :

E2B15-BASE-2

Tot Ion:202	Resp:	181722
Ion Ratio	Lower	Upper
202 100		
200 21.3	17.7	26.5
203 18.1	14.7	22.1

Manual Integrations
APPROVED

mohammad
2/28/2017 2:29:24 PM



#78

Terphenyl-d14

Concen: 12.57 ng

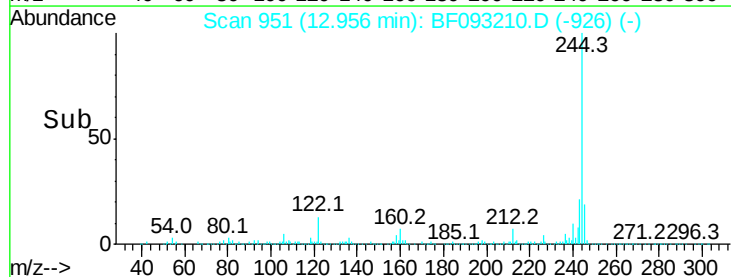
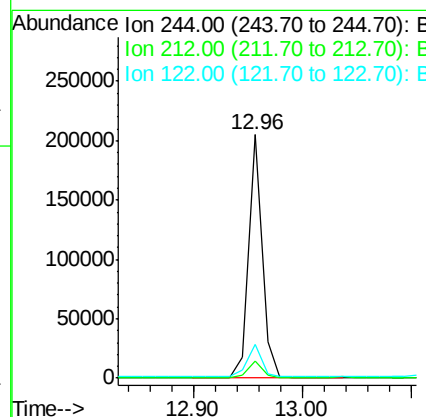
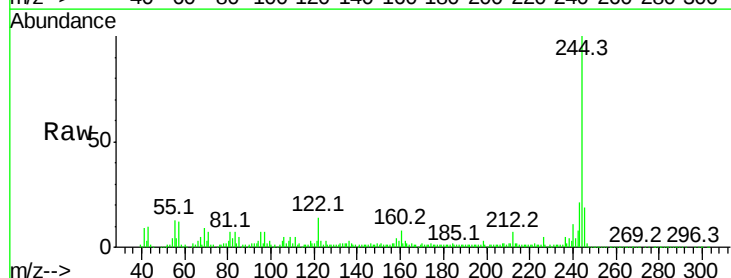
RT: 12.96 min Scan# 951

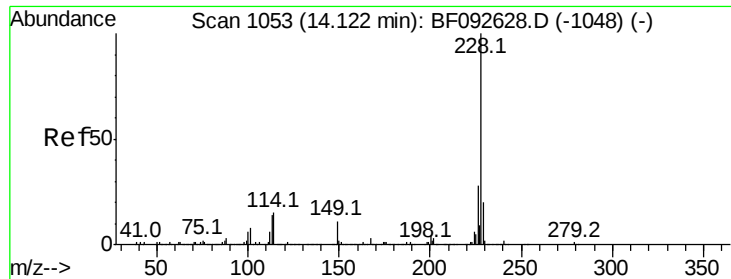
Delta R.T. -0.01 min

Lab File: BF093210.D

Acq: 27 Feb 2017 15:47

Tgt Ion:244	Resp:	174611
Ion Ratio	Lower	Upper
244 100		
212 7.2	6.2	9.2
122 13.6	11.4	17.2





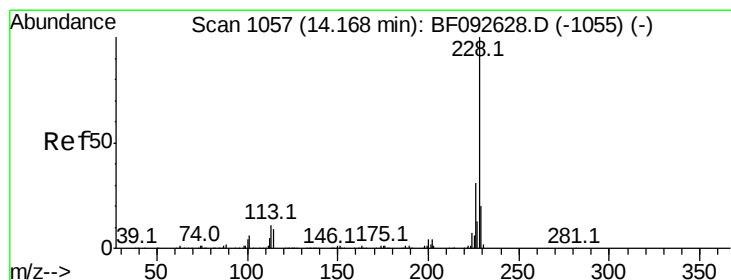
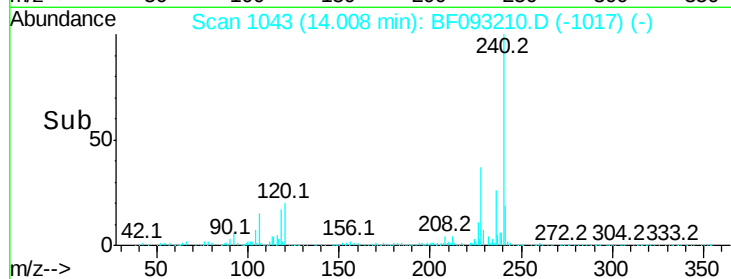
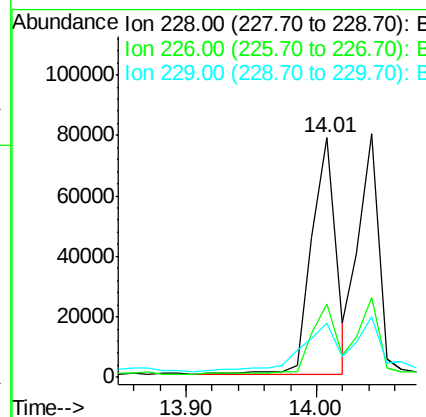
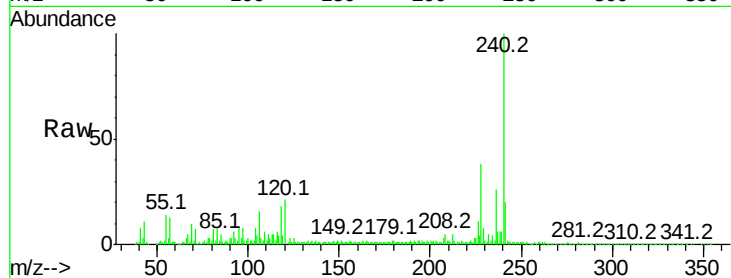
#80
Benzo(a)anthracene
Concen: 5.02 ng
RT: 14.01 min Scan# 1043
Delta R.T. -0.00 min
Lab File: BF093210.D
Acq: 27 Feb 2017 15:47

Instrument :
BNA_F
ClientSampleId :
E2B15-BASE-2

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.4	22.4	33.6
229	22.6	16.2	24.4

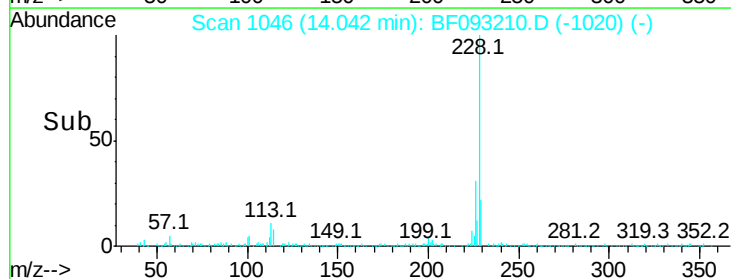
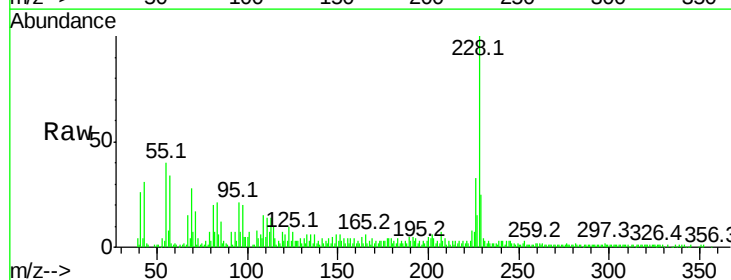
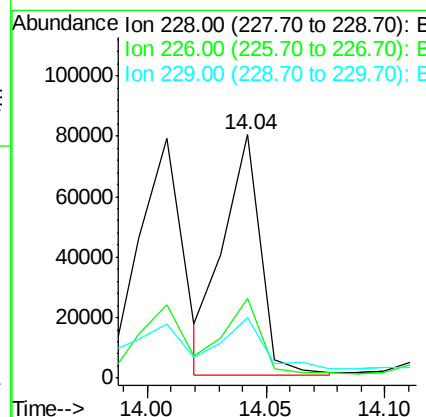
Manual Integrations
APPROVED

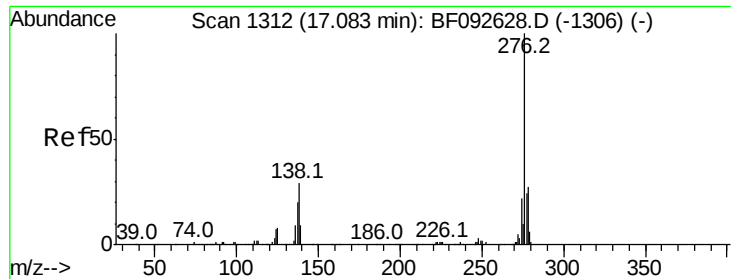
mohammad
2/28/2017 2:29:24 PM



#82
Chrysene
Concen: 4.62 ng m
RT: 14.04 min Scan# 1046
Delta R.T. -0.00 min
Lab File: BF093210.D
Acq: 27 Feb 2017 15:47

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.8	25.4	38.0
229	24.8	16.2	24.2





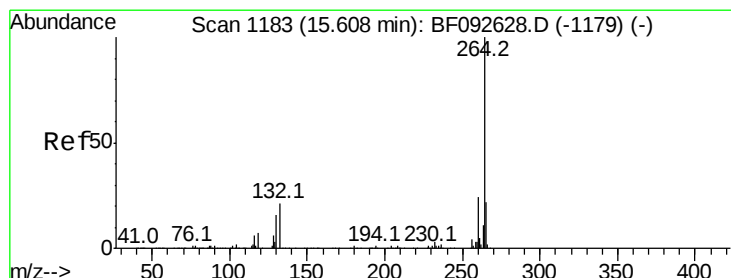
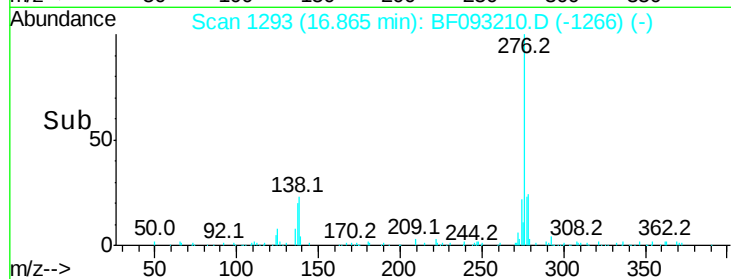
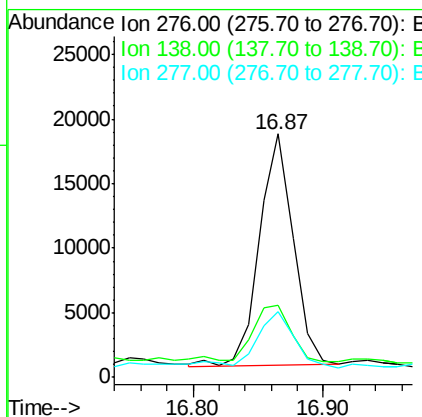
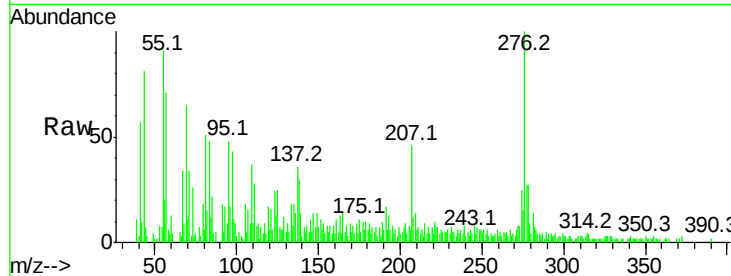
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.25 ng
RT: 16.87 min Scan# 1293
Delta R.T. 0.01 min
Lab File: BF093210.D
Acq: 27 Feb 2017 15:47

Instrument :
BNA_F
ClientSampleId :
E2B15-BASE-2

Tot Ion	Ratio	Lower	Upper
276	100		
138	26.6	21.8	32.6
277	29.0	20.2	30.4

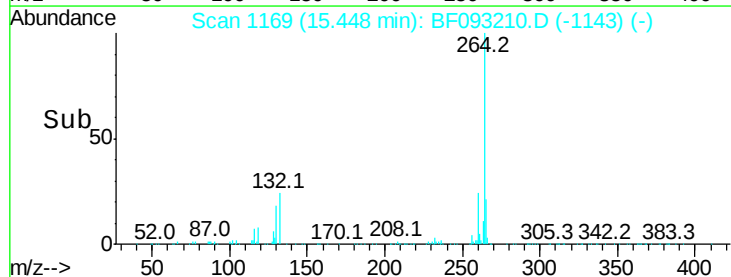
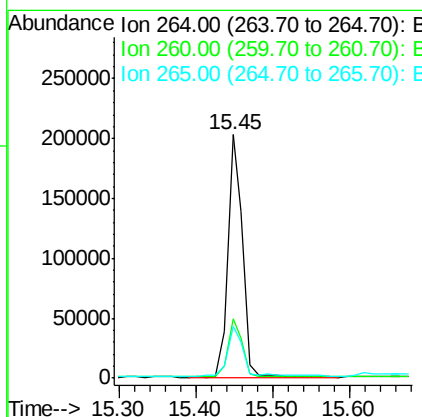
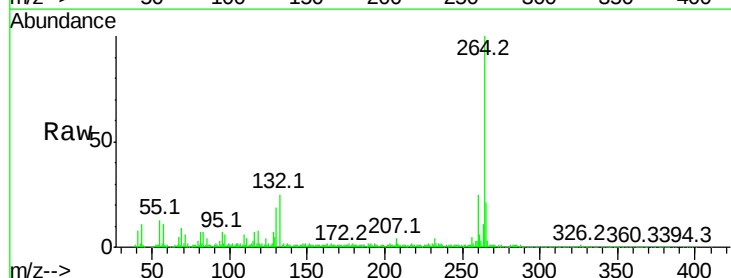
Manual Integrations
APPROVED

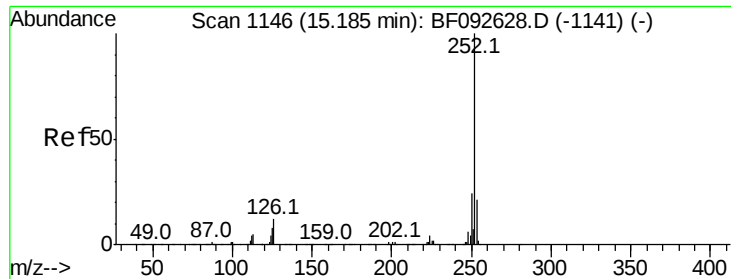
mohammad
2/28/2017 2:29:24 PM



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.45 min Scan# 1169
Delta R.T. -0.00 min
Lab File: BF093210.D
Acq: 27 Feb 2017 15:47

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.2	28.8
265	21.4	17.4	26.0





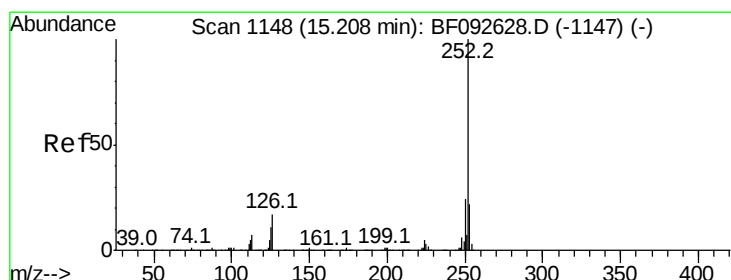
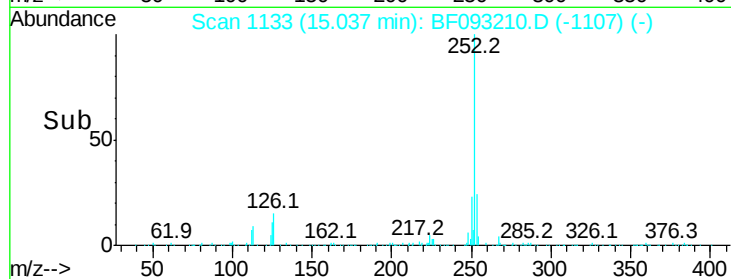
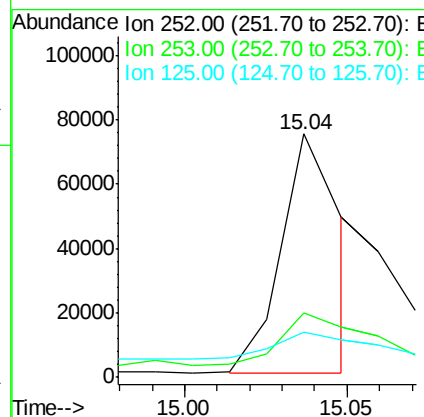
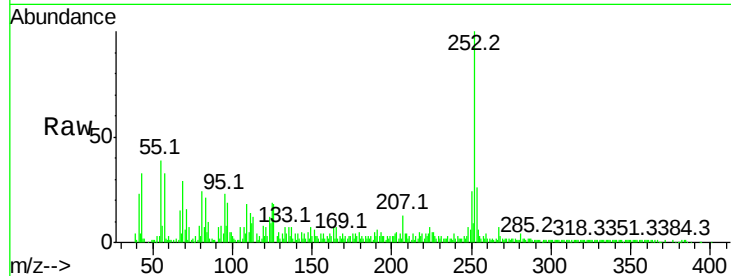
#87
Benzo(b)fluoranthene
Concen: 5.32 ng m
RT: 15.04 min Scan# 1133
Delta R.T. -0.00 min
Lab File: BF093210.D
Acq: 27 Feb 2017 15:47

Instrument :
BNA_F
ClientSampleId :
E2B15-BASE-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.4	18.2	27.4
125	18.8	9.8	14.6

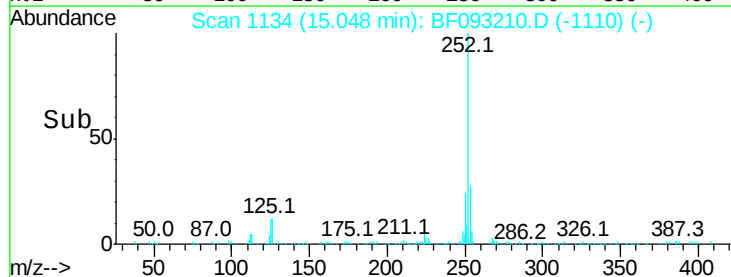
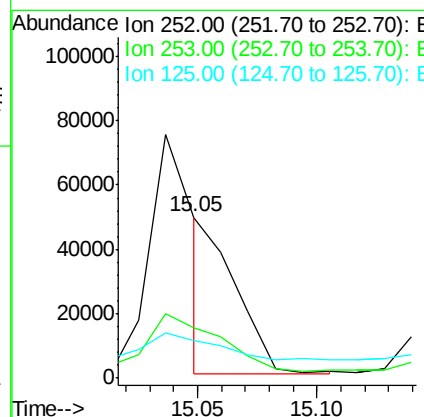
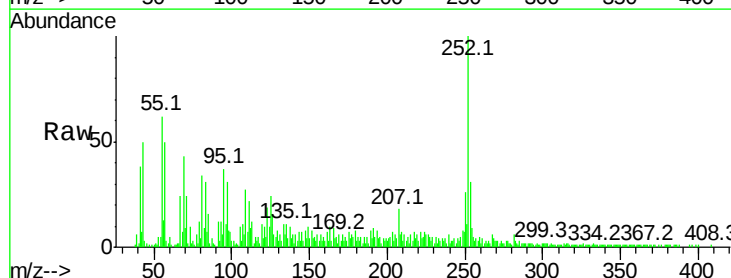
Manual Integrations
APPROVED

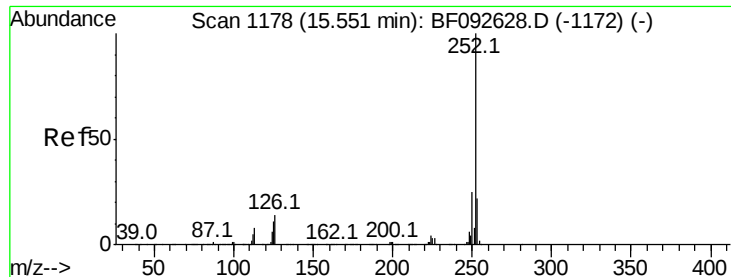
mohammad
2/28/2017 2:29:24 PM



#88
Benzo(k)fluoranthene
Concen: 2.65 ng m
RT: 15.05 min Scan# 1134
Delta R.T. -0.02 min
Lab File: BF093210.D
Acq: 27 Feb 2017 15:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	31.3	18.5	27.7
125	23.5	8.9	13.3





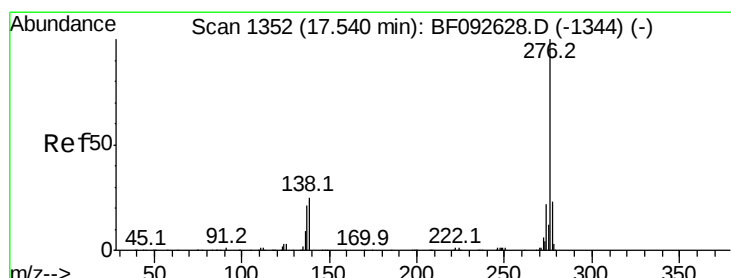
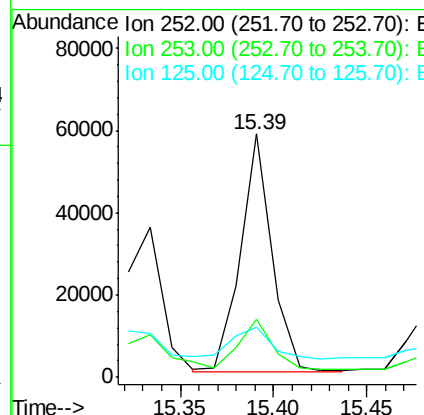
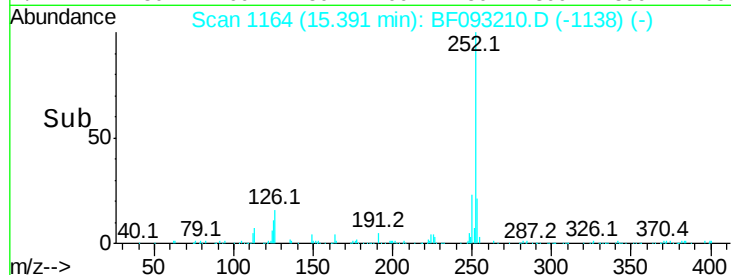
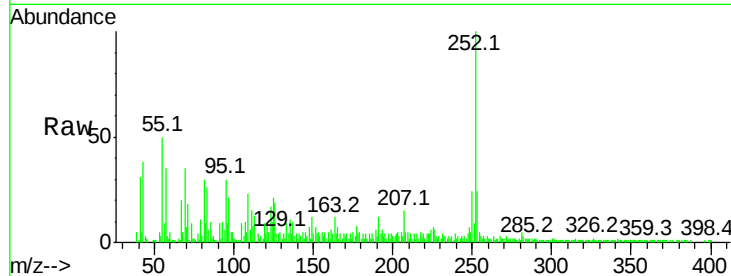
#89
Benzo(a)pyrene
Concen: 4.42 ng
RT: 15.39 min Scan# 1164
Delta R.T. -0.00 min
Lab File: BF093210.D
Acq: 27 Feb 2017 15:47

Instrument :
BNA_F
ClientSampleId :
E2B15-BASE-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.2	27.2
125	20.9	10.0	15.0

Manual Integrations
APPROVED

mohammad
2/28/2017 2:29:24 PM



#91
Benzo(g,h,i)perylene
Concen: 2.72 ng
RT: 17.29 min Scan# 1330
Delta R.T. -0.00 min
Lab File: BF093210.D
Acq: 27 Feb 2017 15:47

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.6	19.2	28.8
138	31.9	16.0	24.0

