

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030217\
 Data File : BF093352.D
 Acq On : 3 Mar 2017 10:11
 Operator : SJ/MA
 Sample : I2056-10
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 9B-25

Manual Integrations
 APPROVED

mohammad
 3/3/2017 5:17:11 PM

Quant Time: Mar 03 12:31:13 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	6.80	152	147115	20.00	ng	-0.06
21) Naphthalene-d8	8.09	136	626134	20.00	ng	-0.06
38) Acenaphthene-d10	9.85	164	292831	20.00	ng	-0.05
63) Phenanthrene-d10	11.33	188	536220	20.00	ng	-0.05
75) Chrysene-d12	13.97	240	391362	20.00	ng	-0.05
86) Perylene-d12	15.39	264	310932	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	999325	116.54	ng	-0.07
7) Phenol-d6	6.44	99	1232278	111.69	ng	-0.05
23) Nitrobenzene-d5	7.37	82	789042	70.18	ng	-0.06
41) 2,4,6-Tribromophenol	10.65	330	249044	117.59	ng	-0.03
44) 2-Fluorobiphenyl	9.17	172	1267491	78.42	ng	-0.05
78) Terphenyl-d14	12.92	244	1040631	62.48	ng	-0.05
Target Compounds						Qvalue
49) Dimethylphthalate	9.57	163	281878	14.29	ng	100
70) Phenanthrene	11.36	178	238150	7.75	ng	97
73) Di-n-butylphthalate	11.89	149	157112	4.93	ng	# 97
74) Fluoranthene	12.54	202	407652	12.86	ng	99
77) Pyrene	12.77	202	355566	12.14	ng	98
80) Benzo(a)anthracene	13.96	228	165973m	6.93	ng	
82) Chrysene	14.00	228	156998m	7.01	ng	
83) Bis(2-ethylhexyl)phthalate	13.94	149	55682	3.42	ng	100
85) Indeno(1,2,3-cd)pyrene	16.79	276	107840	6.21	ng	98
87) Benzo(b)fluoranthene	14.99	252	193693m	9.46	ng	
88) Benzo(k)fluoranthene	15.00	252	78422m	4.44	ng	
89) Benzo(a)pyrene	15.33	252	133389	7.53	ng	# 95
91) Benzo(a,h,i)perylene	17.21	276	110317	7.63	ng	# 88

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

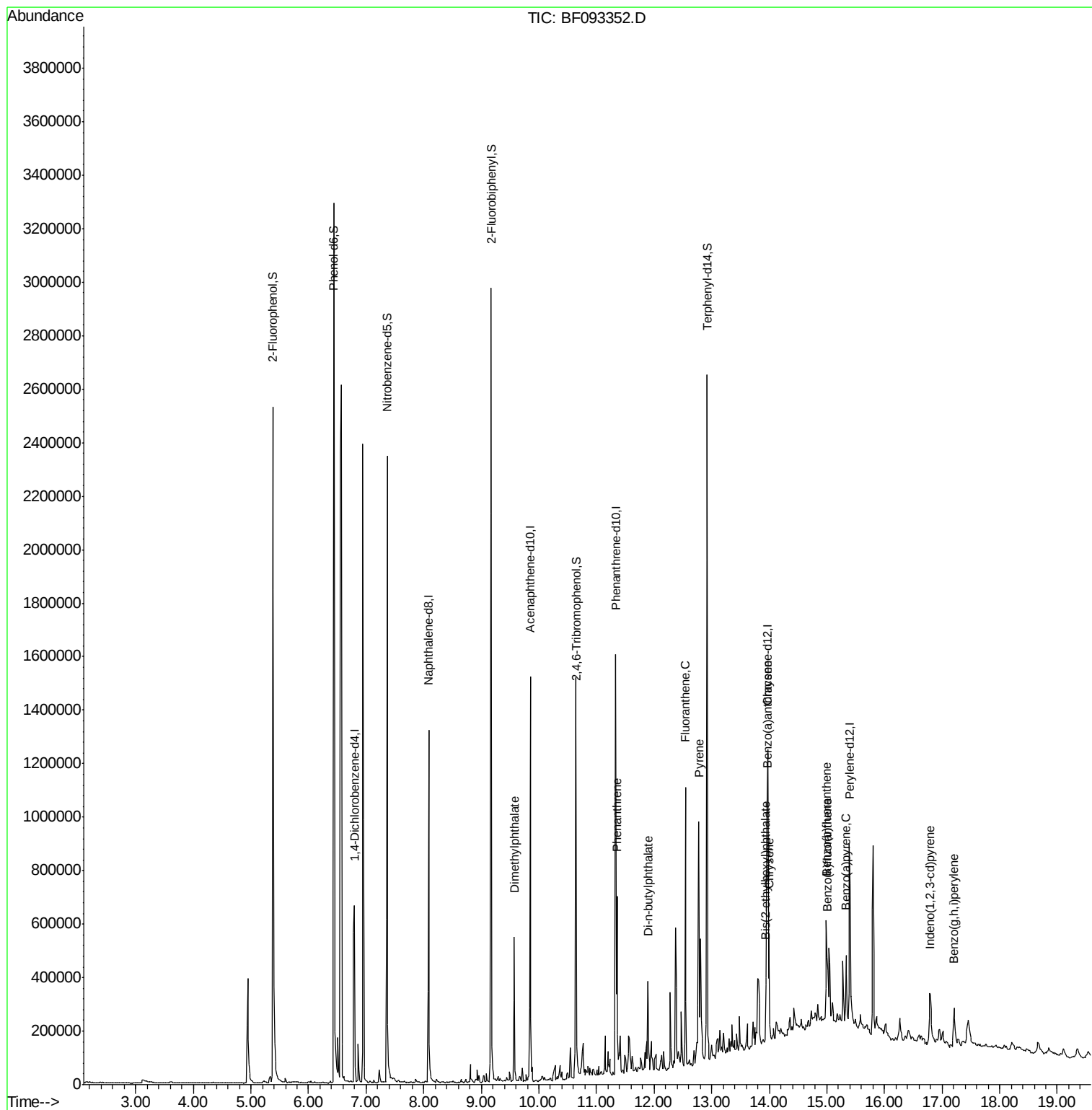
Data Path : Z:\HPCHEM1\BNA F\DATA\BF030217\
Data File : BF093352.D
Acq On : 3 Mar 2017 10:11
Operator : SJ/MA
Sample : I2056-10
Misc :
ALS Vial : 34 Sample Multiplier: 1

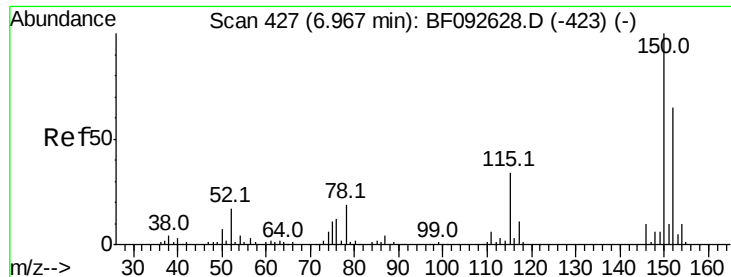
Instrument :
BNA_F
ClientSampleId :
9B-25

Manual Integrations
APPROVED

mohammad
3/3/2017 5:17:11 PM

Quant Time: Mar 03 12:31:13 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

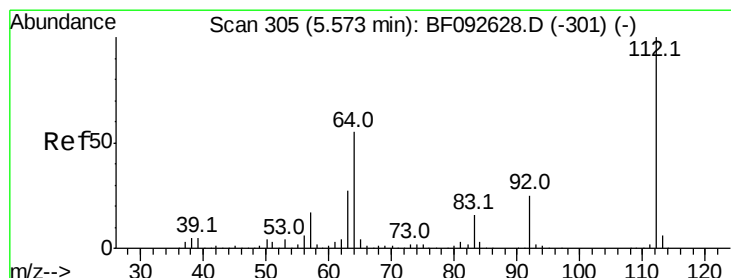
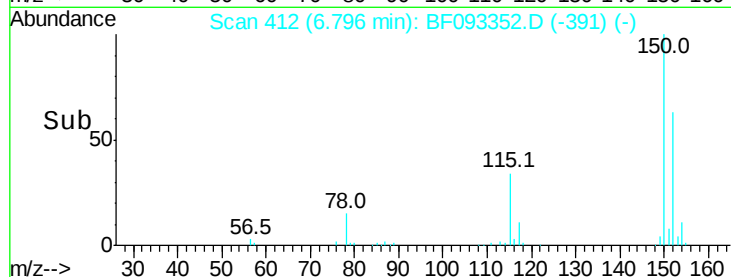
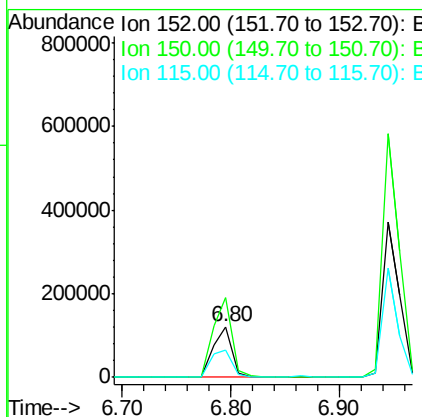
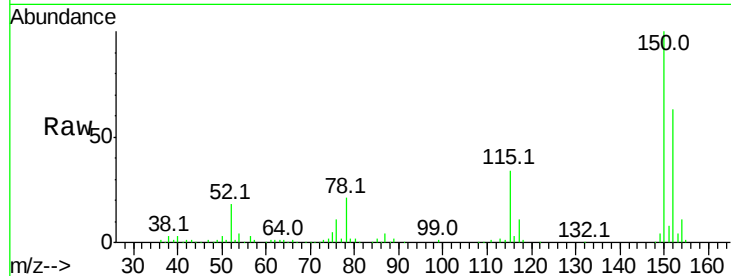
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.80 min Scan# 412
Delta R.T. -0.06 min
Lab File: BF093352.D
Acq: 3 Mar 2017 10:11

Instrument :
BNA_F
ClientSampleId :
9B-25

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.1	124.9	187.3
115	54.4	46.0	69.0

Manual Integrations
APPROVED

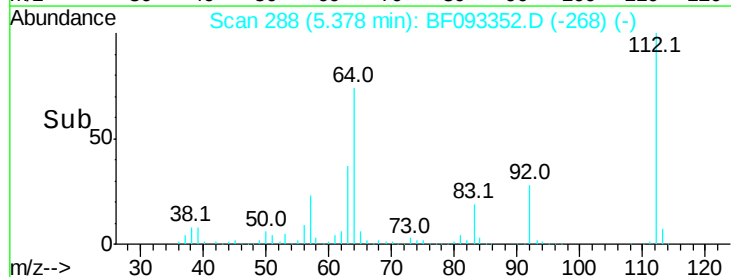
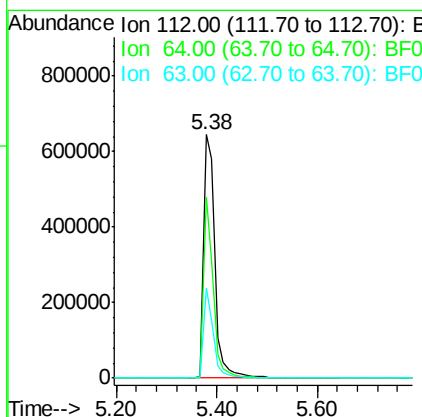
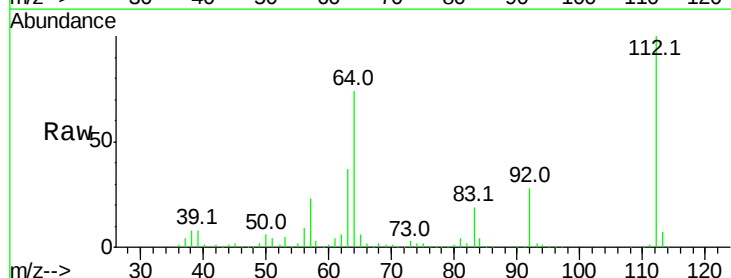
mohammad
3/3/2017 5:17:11 PM

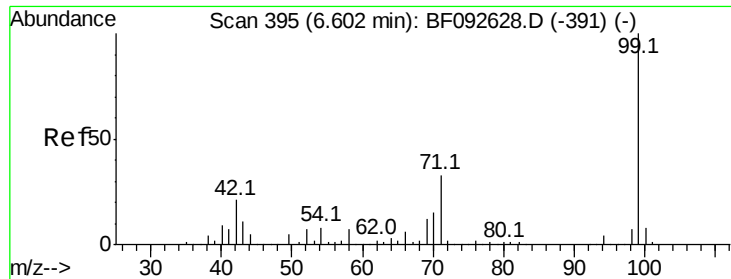


#5

2-Fluorophenol
Concen: 116.54 ng
RT: 5.38 min Scan# 288
Delta R.T. -0.07 min
Lab File: BF093352.D
Acq: 3 Mar 2017 10:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	74.0	46.1	69.1#
63	36.8	23.8	35.6#





#7

Phenol-d6

Concen: 111.69 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.05 min

Lab File: BF093352.D

Acq: 3 Mar 2017 10:11

Instrument :

BNA_F

ClientSampleId :

9B-25

Tot Ion: 99 Resp: 1232278

Ion Ratio Lower Upper

99 100

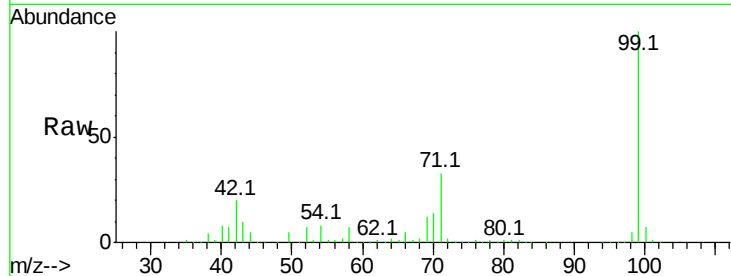
42 20.3 15.6 23.4

71 32.8 27.5 41.3

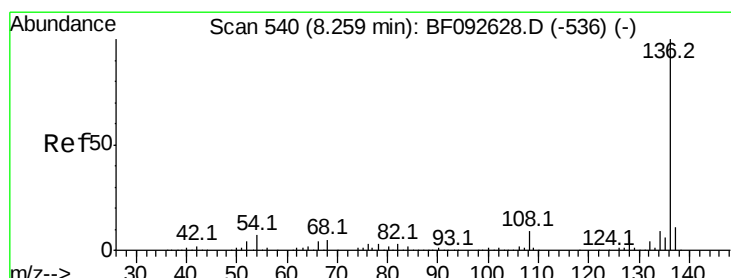
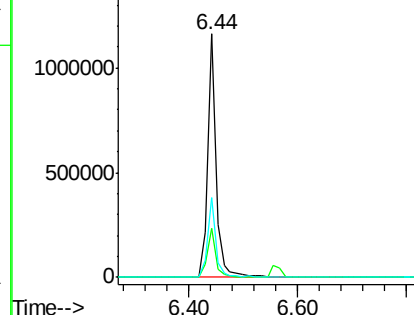
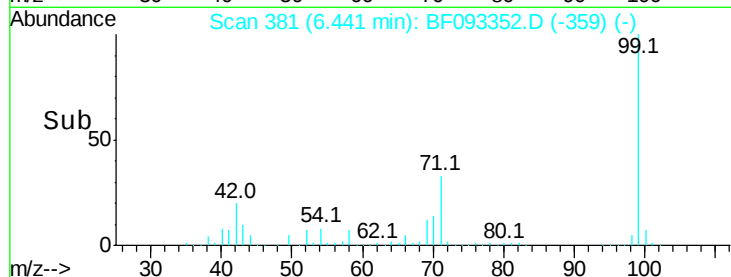
Manual Integrations
APPROVED

mohammad

3/3/2017 5:17:11 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: 8.09 min Scan# 525

Delta R.T. -0.06 min

Lab File: BF093352.D

Acq: 3 Mar 2017 10:11

Tgt Ion: 136 Resp: 626134

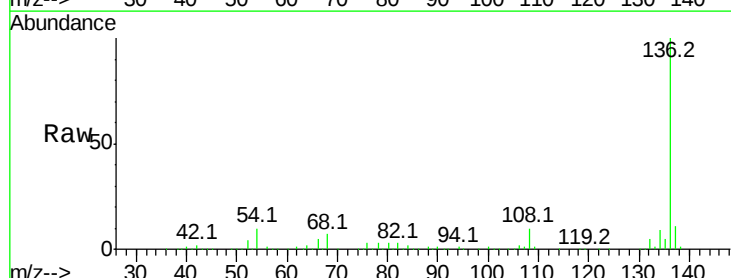
Ion Ratio Lower Upper

136 100

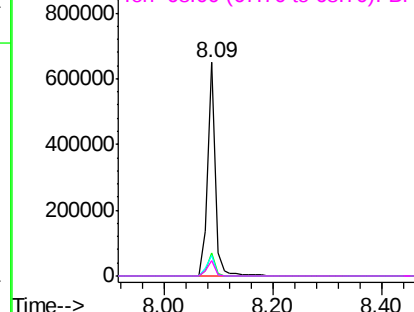
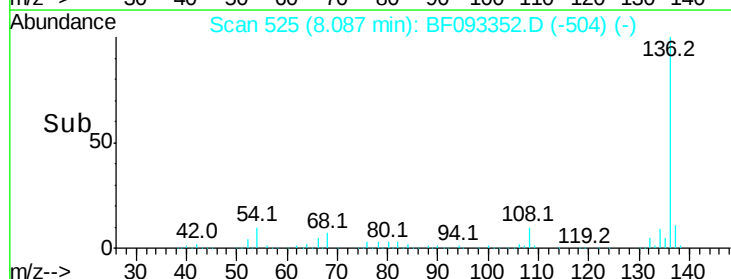
137 11.1 8.4 12.6

54 9.5 4.5 6.7#

68 6.9 3.6 5.4#



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





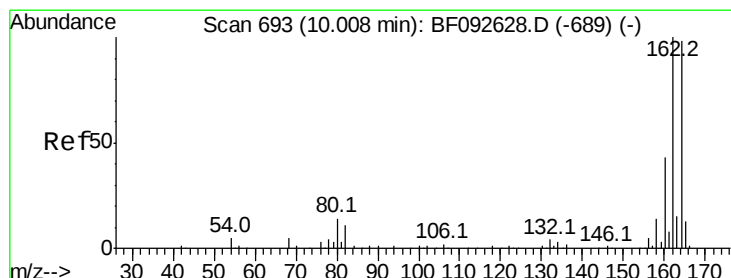
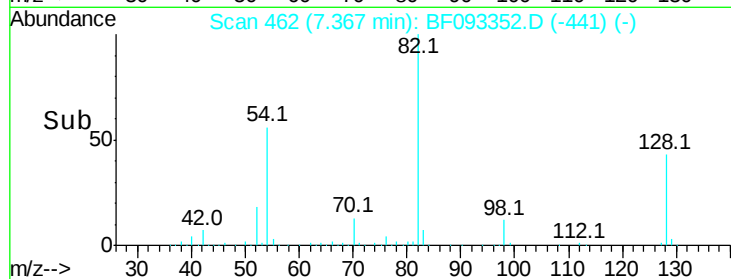
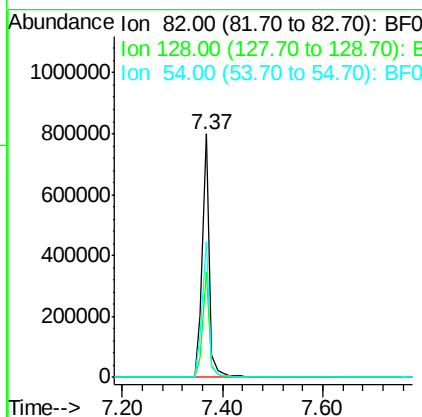
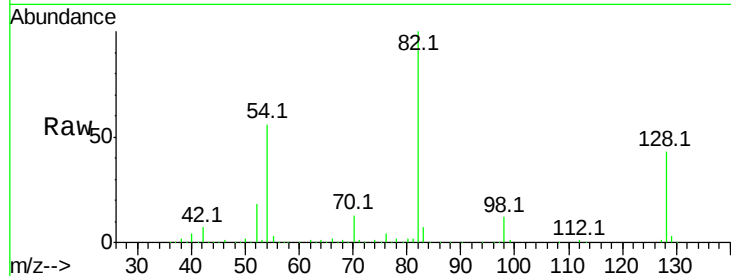
#23
Nitrobenzene-d5
Concen: 70.18 ng
RT: 7.37 min Scan# 462
Delta R.T. -0.06 min
Lab File: BF093352.D
Acq: 3 Mar 2017 10:11

Instrument :
BNA_F
ClientSampleId :
9B-25

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.3	34.6	52.0
54	55.8	39.5	59.3

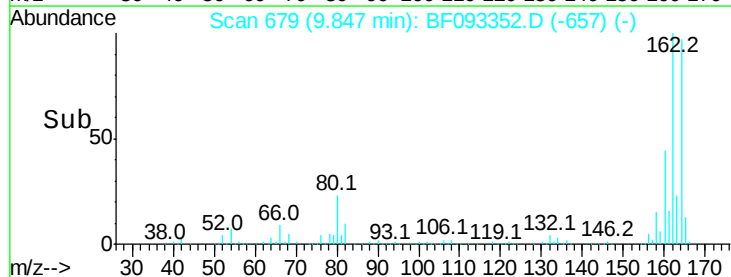
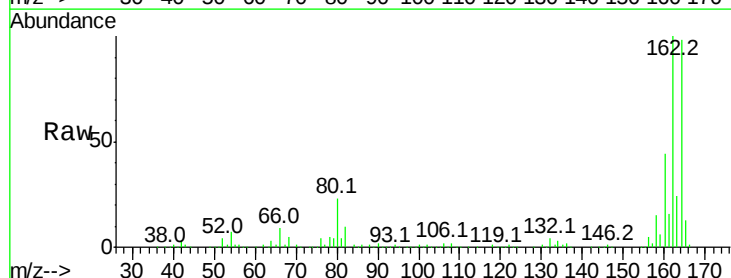
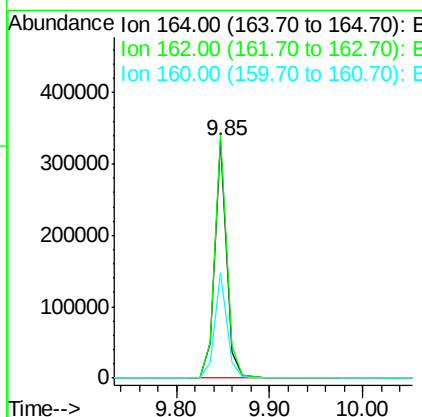
Manual Integrations
APPROVED

mohammad
3/3/2017 5:17:11 PM



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.85 min Scan# 679
Delta R.T. -0.05 min
Lab File: BF093352.D
Acq: 3 Mar 2017 10:11

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.5	80.2	120.2
160	44.6	36.9	55.3





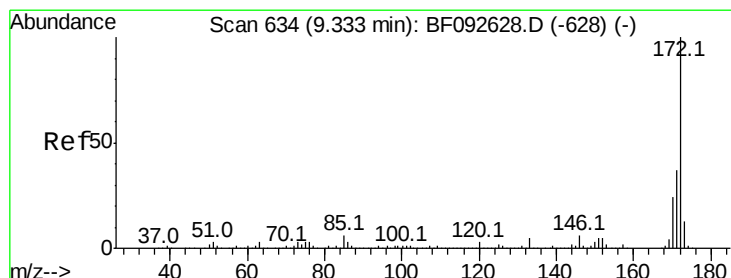
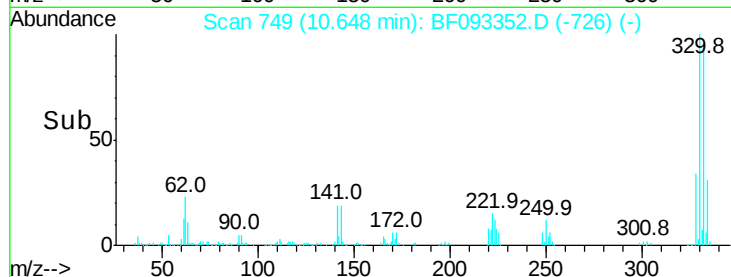
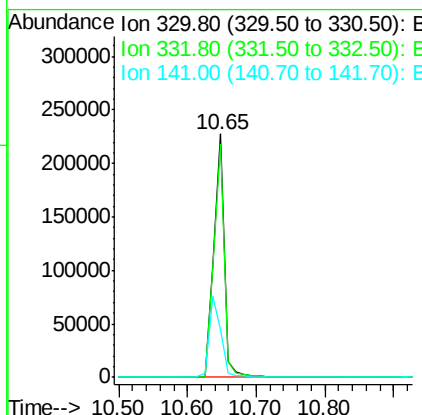
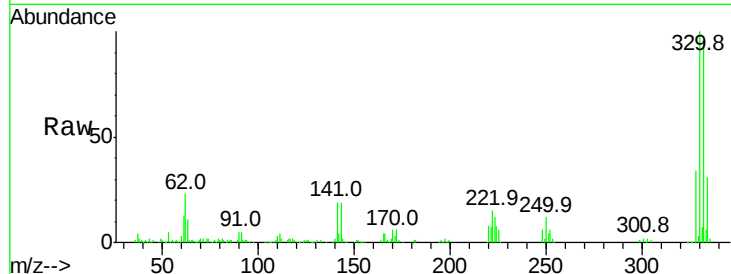
#41
 2,4,6-Tribromophenol
 Concen: 117.59 ng
 RT: 10.65 min Scan# 749
 Delta R.T. -0.03 min
 Lab File: BF093352.D
 Acq: 3 Mar 2017 10:11

Instrument :
 BNA_F
 ClientSampleId :
 9B-25

Tot Ion	Ratio	Resp	Lower	Upper
330	100	249044		
332	96.4	77.4	116.2	
141	36.7	34.1	51.1	

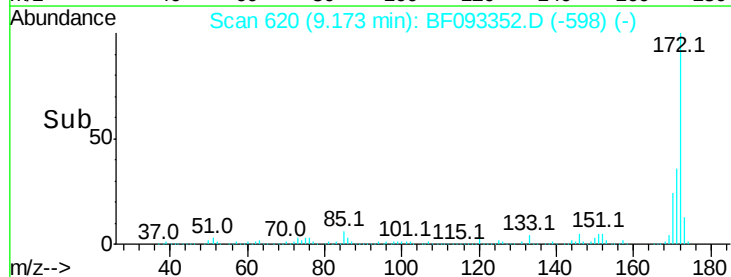
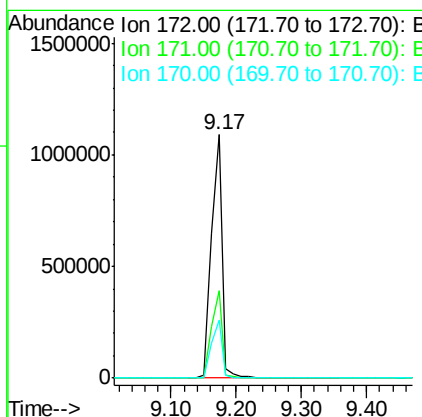
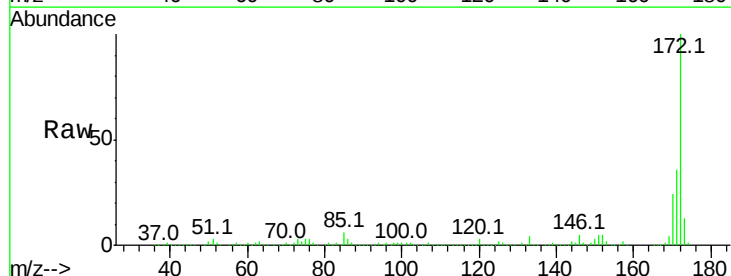
Manual Integrations
 APPROVED

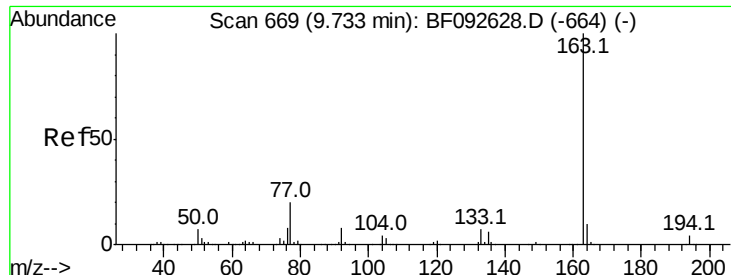
mohammad
 3/3/2017 5:17:11 PM



#44
 2-Fluorobiphenyl
 Concen: 78.42 ng
 RT: 9.17 min Scan# 620
 Delta R.T. -0.05 min
 Lab File: BF093352.D
 Acq: 3 Mar 2017 10:11

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1267491		
171	35.7	29.4	44.0	
170	23.7	20.2	30.4	





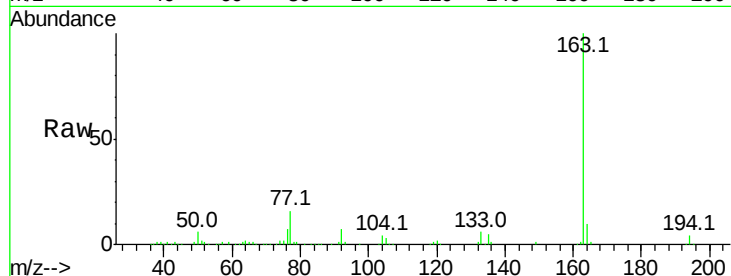
#49
Dimethylphthalate
Concen: 14.29 ng
RT: 9.57 min Scan# 655
Delta R.T. -0.05 min
Lab File: BF093352.D
Acq: 3 Mar 2017 10:11

Instrument :
BNA_F
ClientSampleId :
9B-25

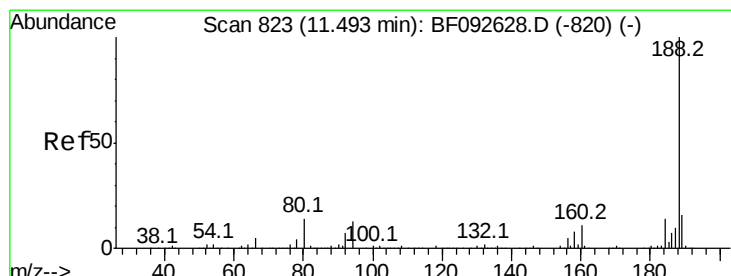
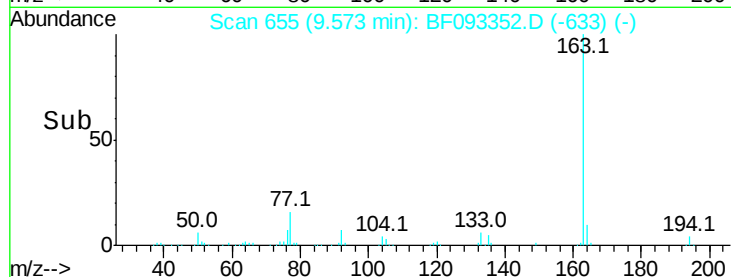
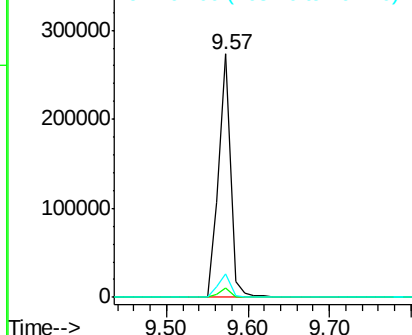
Tot Ion	Ratio	Resp	Lower	Upper
163	100	281878		
194	3.7		3.0	4.4
164	9.8		8.0	12.0

Manual Integrations
APPROVED

mohammad
3/3/2017 5:17:11 PM

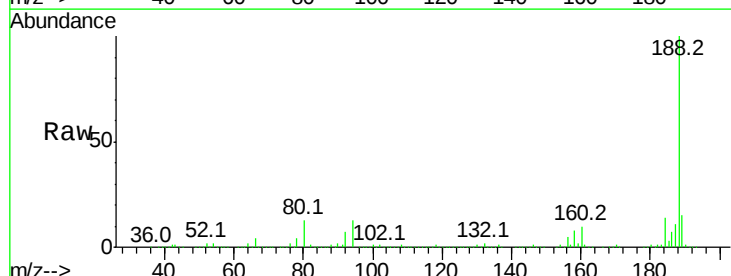


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

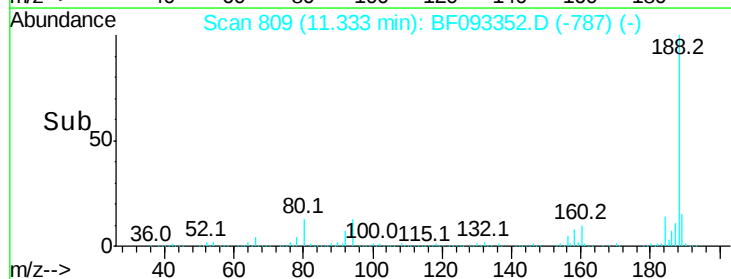
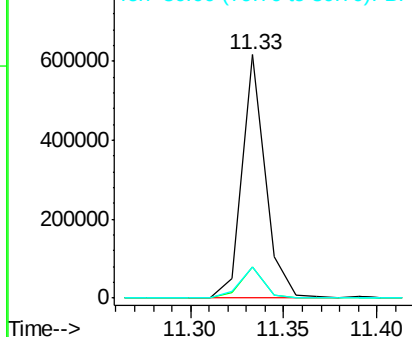


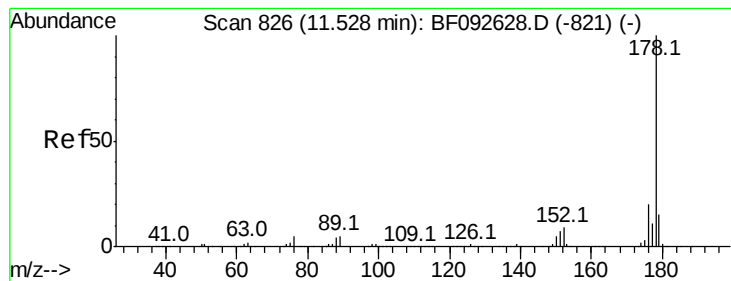
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.33 min Scan# 809
Delta R.T. -0.05 min
Lab File: BF093352.D
Acq: 3 Mar 2017 10:11

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	536220		
94	12.6		10.0	15.0
80	12.8		11.2	16.8



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 7.75 ng

RT: 11.36 min Scan# 811

Delta R.T. -0.05 min

Lab File: BF093352.D

Acq: 3 Mar 2017 10:11

Instrument :

BNA_F

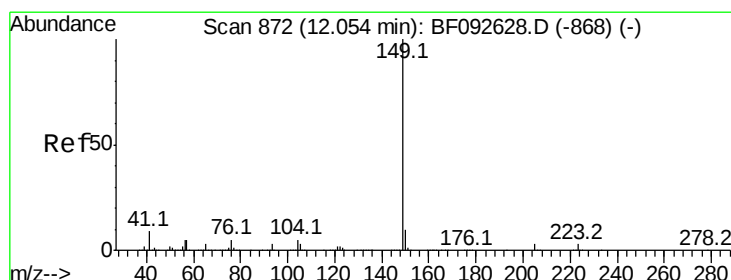
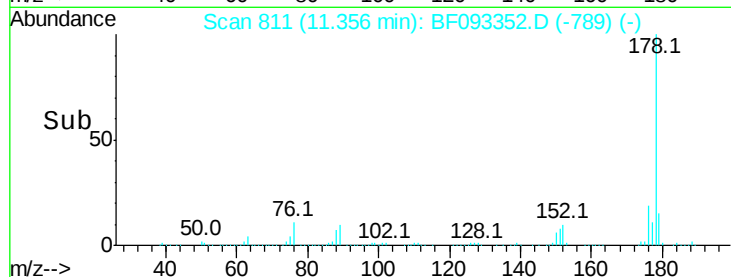
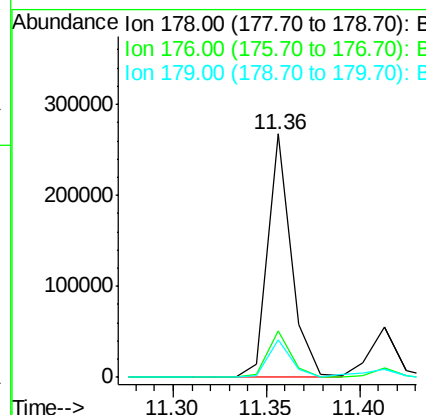
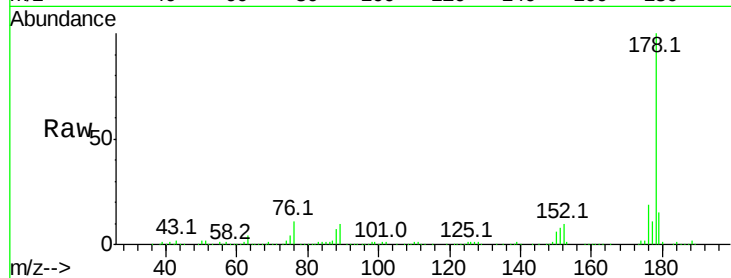
ClientSampleId :

9B-25

Tot Ion:	178	Resp:	238150
Ion Ratio	Lower	Upper	
178	100		
176	18.9	16.6	25.0
179	15.4	12.8	19.2

Manual Integrations
APPROVED

mohammad
3/3/2017 5:17:11 PM



#73

Di-n-butylphthalate

Concen: 4.93 ng

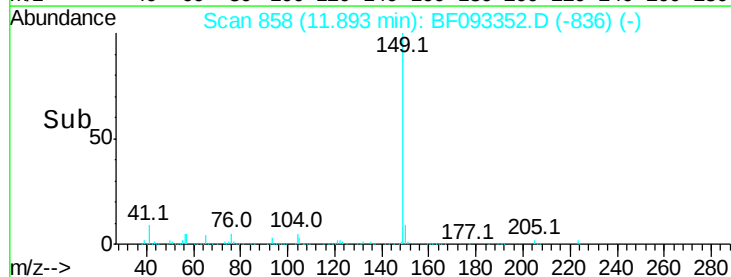
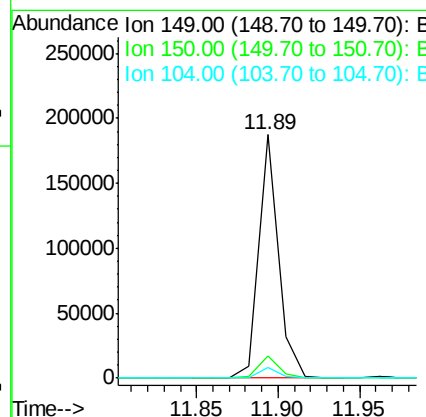
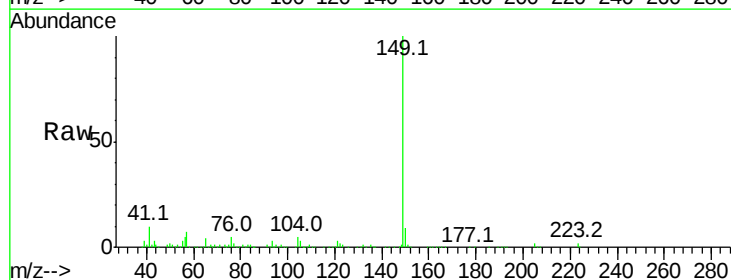
RT: 11.89 min Scan# 858

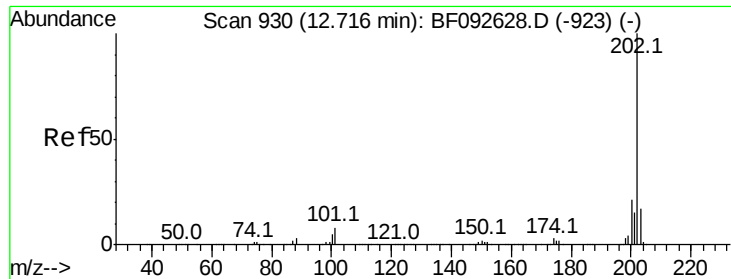
Delta R.T. -0.05 min

Lab File: BF093352.D

Acq: 3 Mar 2017 10:11

Tgt Ion:	149	Resp:	157112
Ion Ratio	Lower	Upper	
149	100		
150	9.2	8.1	12.1
104	4.6	4.6	7.0#





#74

Fluoranthene

Concen: 12.86 ng

RT: 12.54 min Scan# 915

Delta R.T. -0.05 min

Lab File: BF093352.D

Acq: 3 Mar 2017 10:11

Instrument :

BNA_F

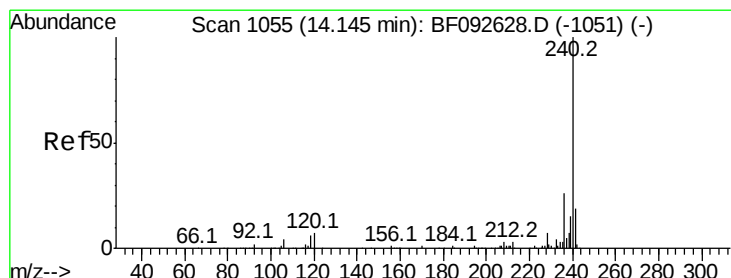
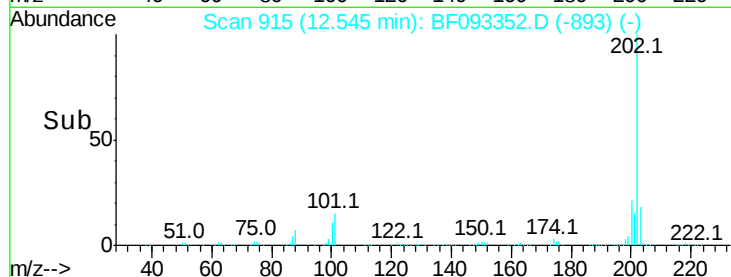
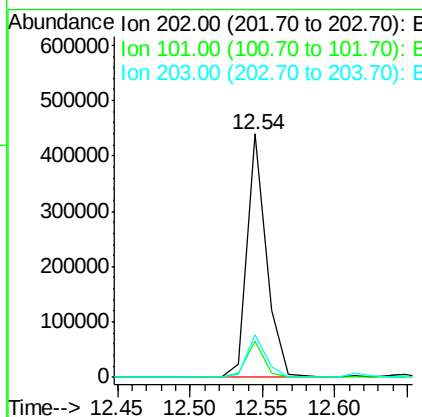
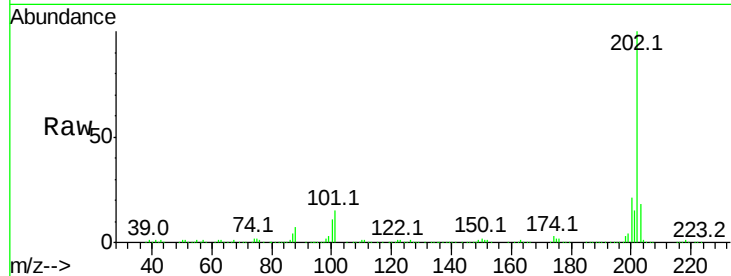
ClientSampleId :

9B-25

Tot Ion	Ratio	Resp	Lower	Upper
202	100	407652		
101	14.9	0.0	34.6	
203	17.8	0.0	38.7	

Manual Integrations
APPROVED

mohammad
3/3/2017 5:17:11 PM



#75

Chrysene-d12

Concen: 20.00 ng

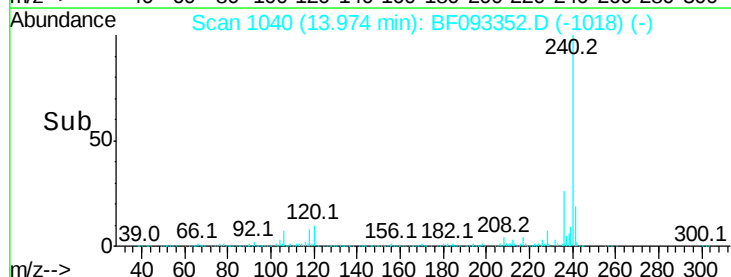
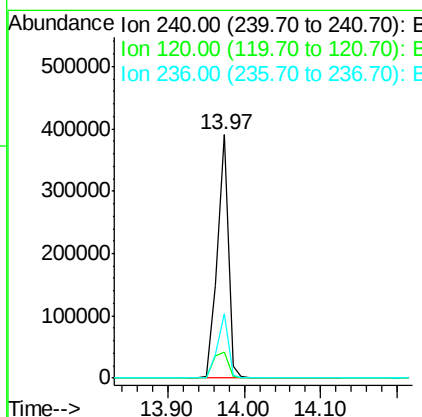
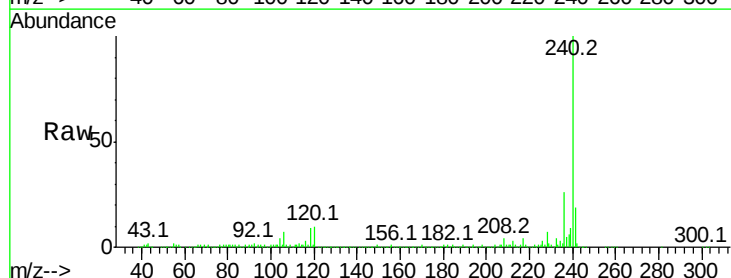
RT: 13.97 min Scan# 1040

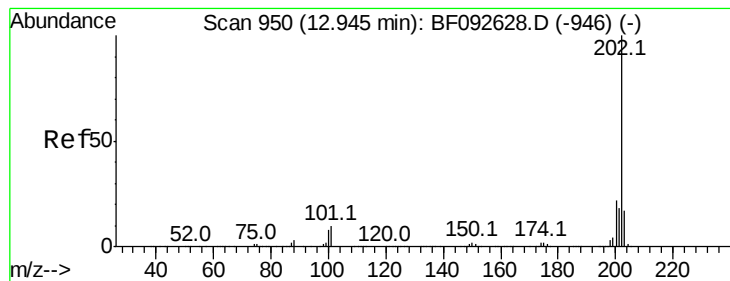
Delta R.T. -0.05 min

Lab File: BF093352.D

Acq: 3 Mar 2017 10:11

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	391362		
120	10.5	12.9	19.3#	
236	26.3	20.9	31.3	





#77

Pvrene

Concen: 12.14 ng

RT: 12.77 min Scan# 935

Delta R.T. -0.05 min

Lab File: BF093352.D

Acq: 3 Mar 2017 10:11

Instrument :

BNA_F

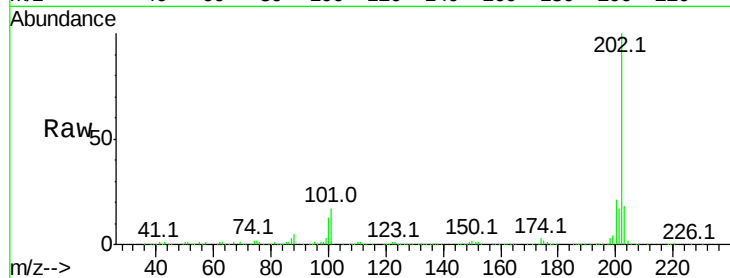
ClientSampled :

9B-25

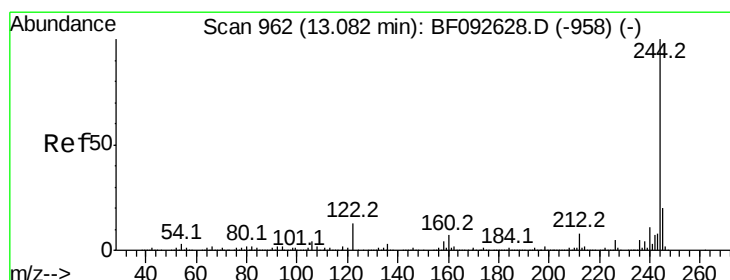
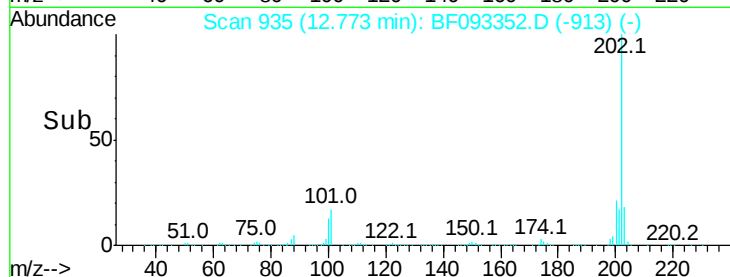
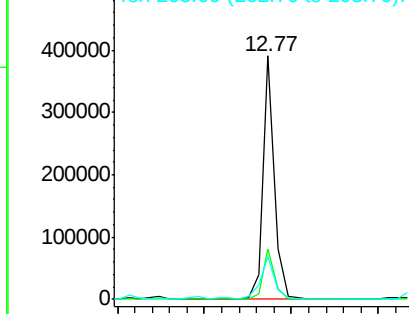
Tot Ion:	202	Resp:	355566
Ion Ratio		Lower	Upper
202	100		
200	20.9	17.7	26.5
203	17.5	14.7	22.1

Manual Integrations
APPROVED

mohammad
3/3/2017 5:17:11 PM



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 62.48 ng

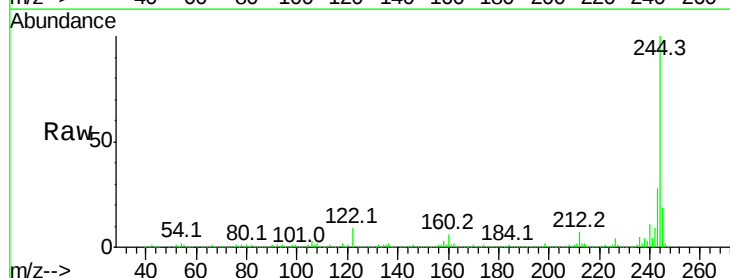
RT: 12.92 min Scan# 948

Delta R.T. -0.05 min

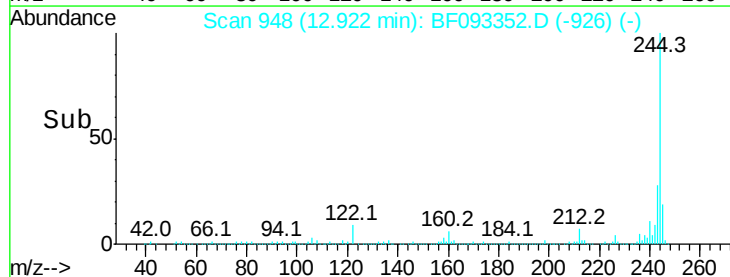
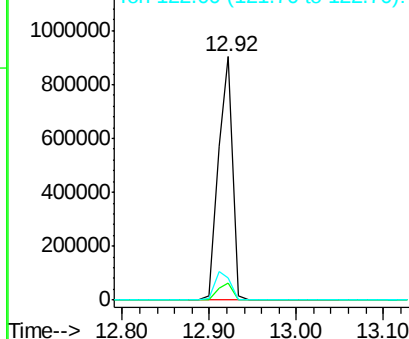
Lab File: BF093352.D

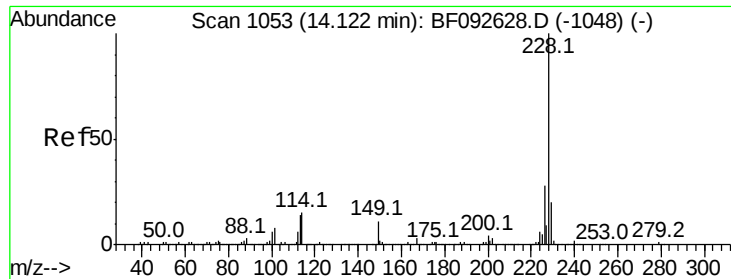
Acq: 3 Mar 2017 10:11

Tgt Ion:	244	Resp:	1040631
Ion Ratio		Lower	Upper
244	100		
212	7.1	6.2	9.2
122	9.4	11.4	17.2#



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





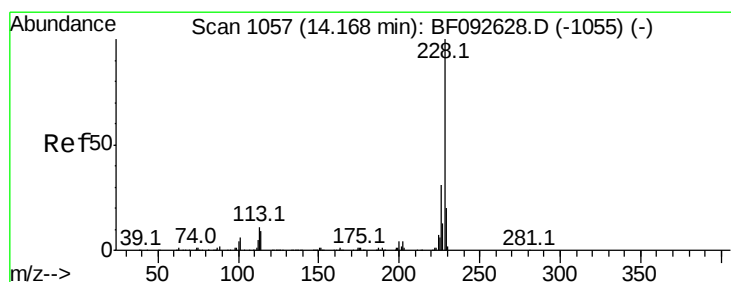
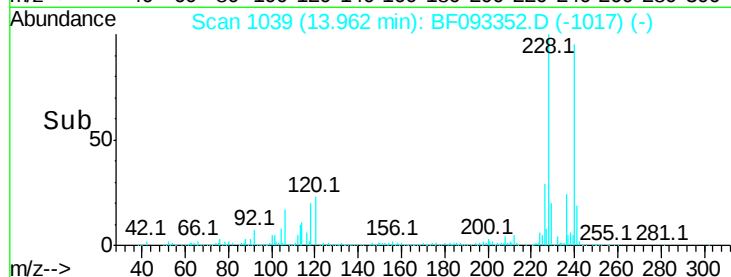
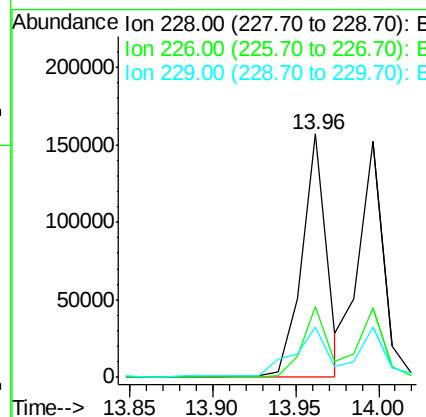
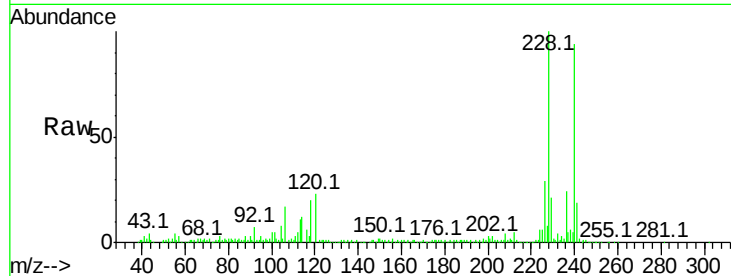
#80
Benzo(a)anthracene
Concen: 6.93 ng m
RT: 13.96 min Scan# 1039
Delta R.T. -0.05 min
Lab File: BF093352.D
Acq: 3 Mar 2017 10:11

Instrument :
BNA_F
ClientSampleId :
9B-25

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.1	22.4	33.6
229	20.6	16.2	24.4

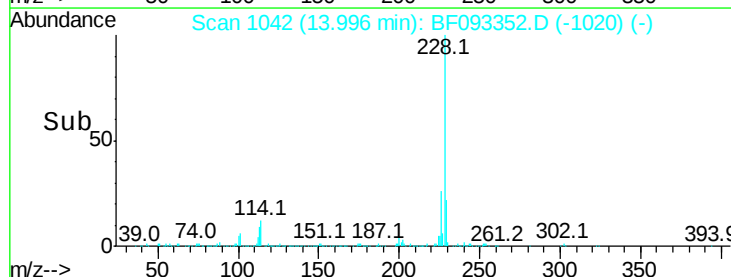
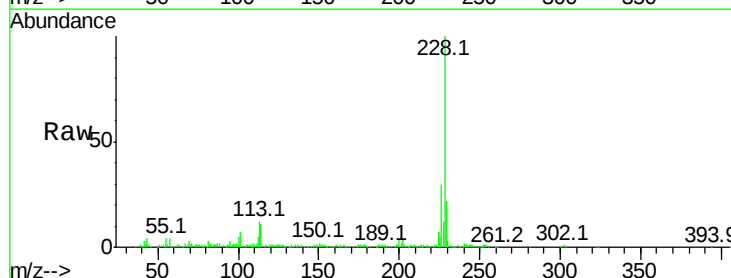
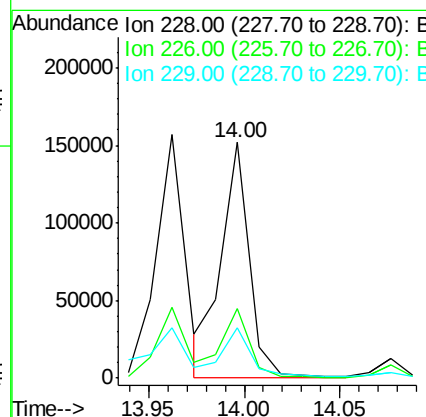
Manual Integrations
APPROVED

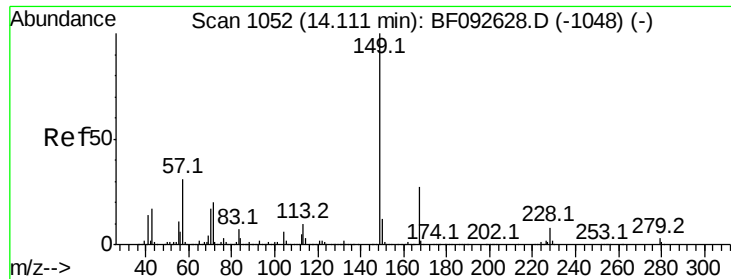
mohammad
3/3/2017 5:17:11 PM



#82
Chrysene
Concen: 7.01 ng m
RT: 14.00 min Scan# 1042
Delta R.T. -0.05 min
Lab File: BF093352.D
Acq: 3 Mar 2017 10:11

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	25.4	38.0
229	21.6	16.2	24.2





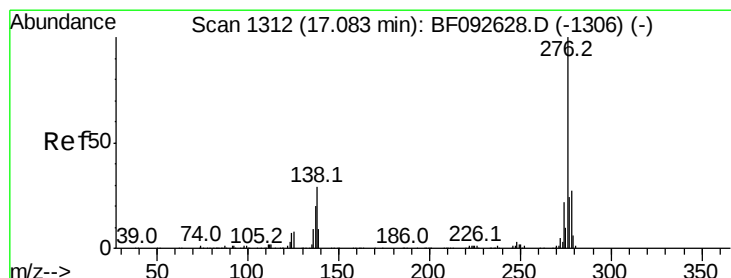
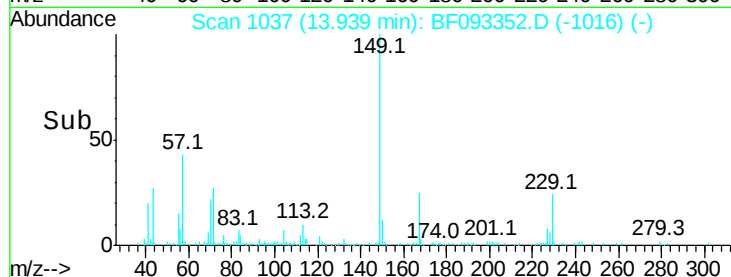
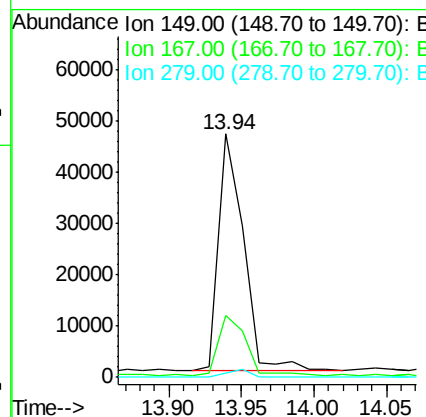
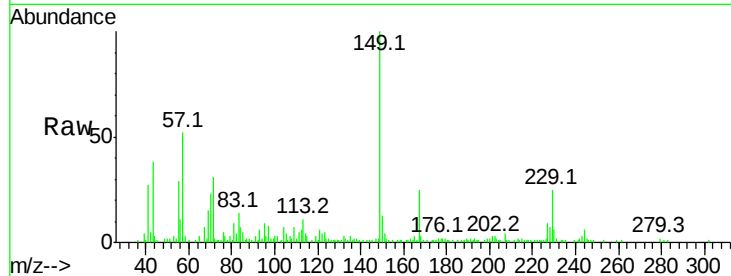
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 3.42 ng
 RT: 13.94 min Scan# 1037
 Delta R.T. -0.06 min
 Lab File: BF093352.D
 Acq: 3 Mar 2017 10:11

Instrument :
 BNA_F
 ClientSampleId :
 9B-25

Tot Ion	Ratio	Lower	Upper
149	100		
167	25.5	20.2	30.4
279	1.9	1.8	2.8

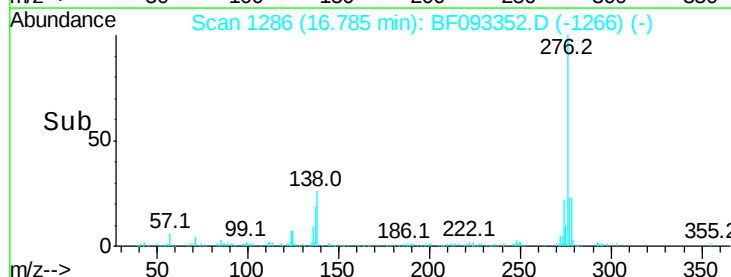
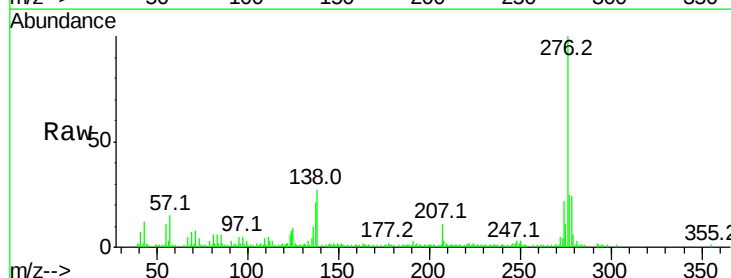
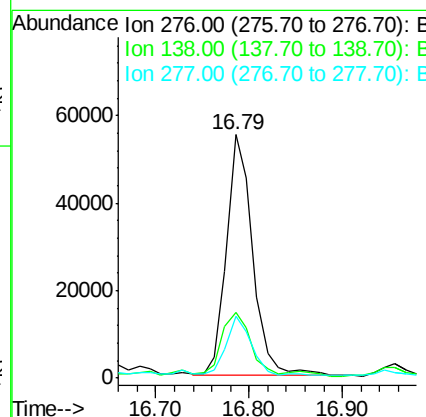
Manual Integrations
 APPROVED

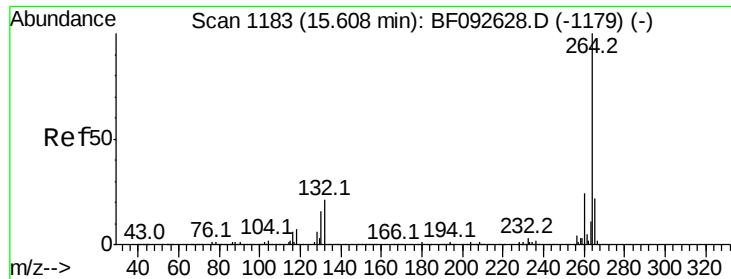
mohammad
 3/3/2017 5:17:11 PM



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 6.21 ng
 RT: 16.79 min Scan# 1286
 Delta R.T. -0.07 min
 Lab File: BF093352.D
 Acq: 3 Mar 2017 10:11

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.6	21.8	32.6
277	23.7	20.2	30.4





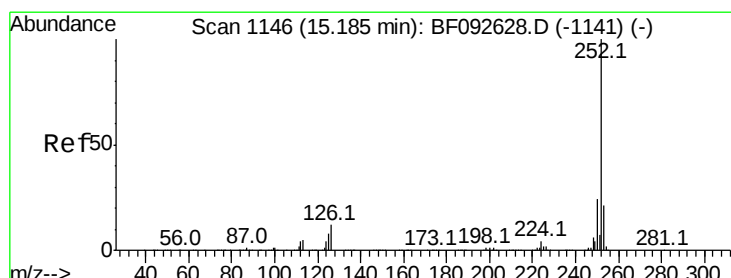
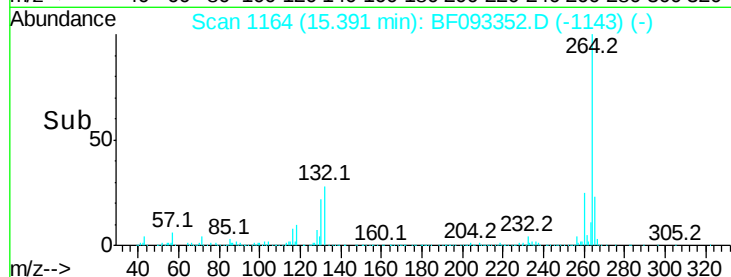
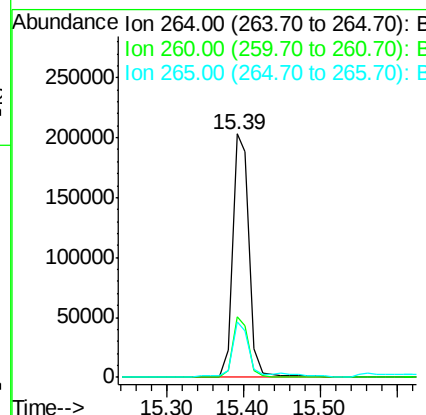
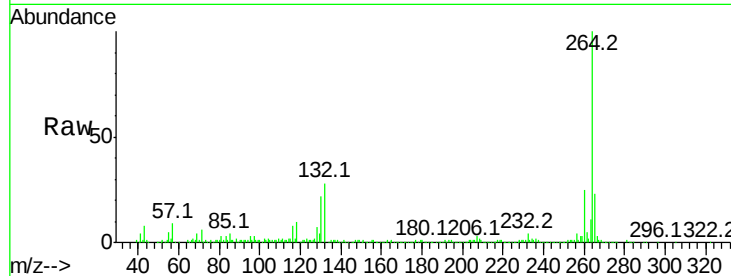
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.39 min Scan# 1164
Delta R.T. -0.06 min
Lab File: BF093352.D
Acq: 3 Mar 2017 10:11

Instrument :
BNA_F
ClientSampled :
9B-25

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.2	28.8
265	22.8	17.4	26.0

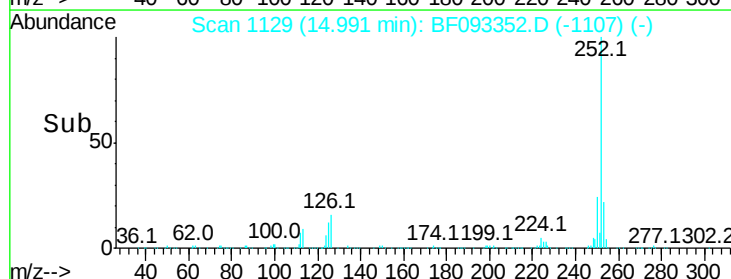
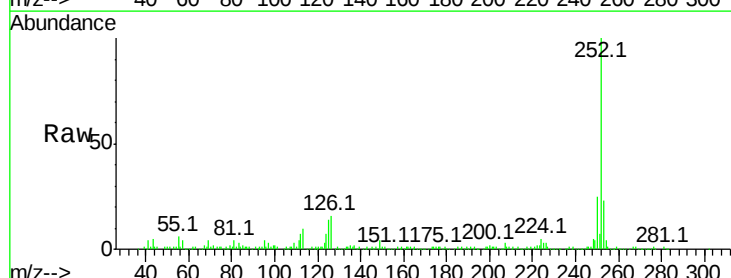
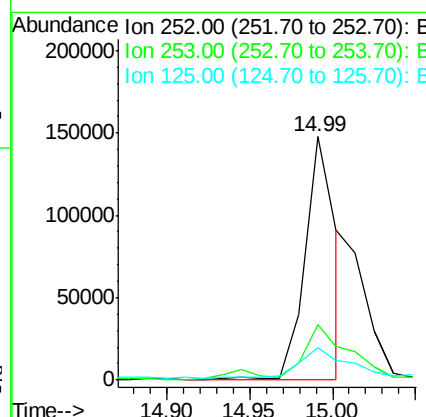
Manual Integrations
APPROVED

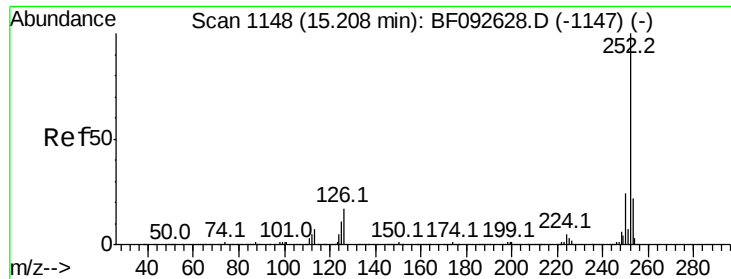
mohammad
3/3/2017 5:17:11 PM



#87
Benzo(b)fluoranthene
Concen: 9.46 ng m
RT: 14.99 min Scan# 1129
Delta R.T. -0.05 min
Lab File: BF093352.D
Acq: 3 Mar 2017 10:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.2	27.4
125	13.5	9.8	14.6





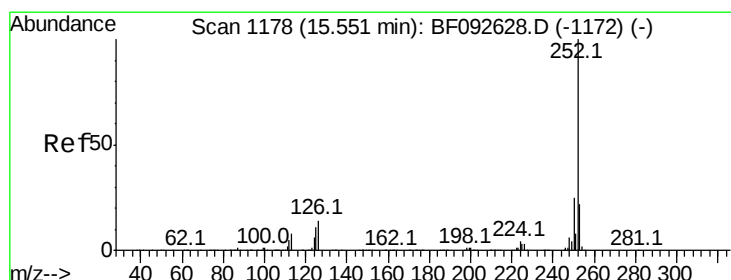
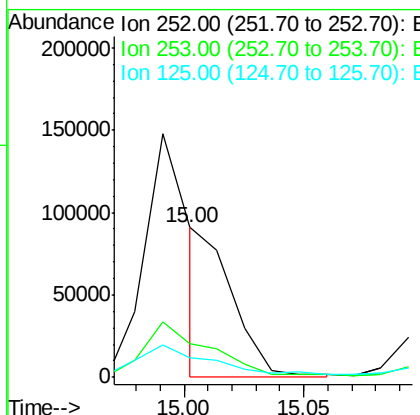
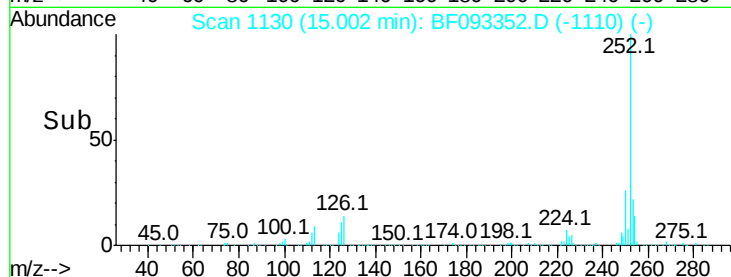
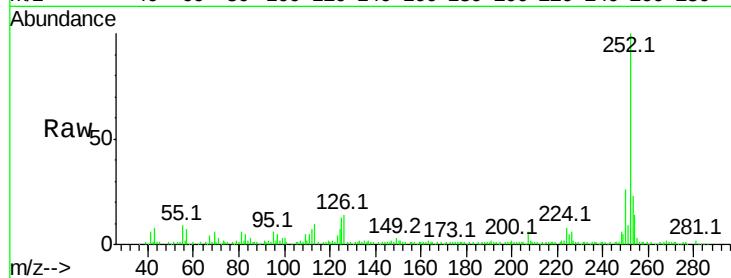
#88
Benzo(k)fluoranthene
Concen: 4.44 ng m
RT: 15.00 min Scan# 1130
Delta R.T. -0.07 min
Lab File: BF093352.D
Acq: 3 Mar 2017 10:11

Instrument :
BNA_F
ClientSampleId :
9B-25

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.5	27.7
125	13.1	8.9	13.3

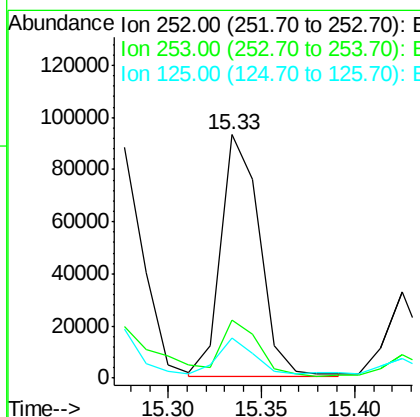
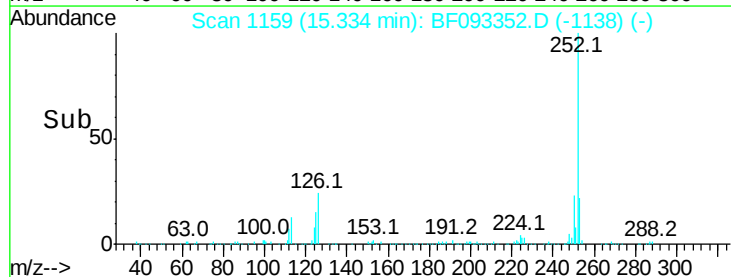
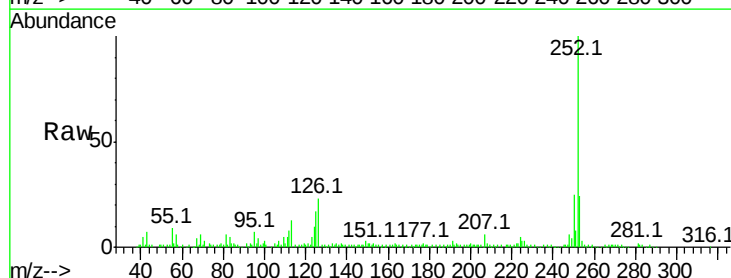
Manual Integrations
APPROVED

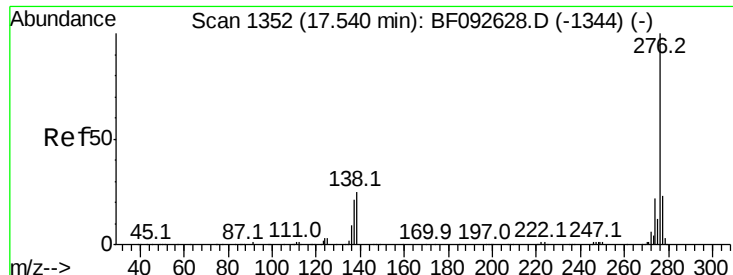
mohammad
3/3/2017 5:17:11 PM



#89
Benzo(a)pyrene
Concen: 7.53 ng
RT: 15.33 min Scan# 1159
Delta R.T. -0.06 min
Lab File: BF093352.D
Acq: 3 Mar 2017 10:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.2	27.2
125	16.7	10.0	15.0#





#91
 Benzo(a,h,i)perylene
 Concen: 7.63 ng
 RT: 17.21 min Scan# 1323
 Delta R.T. -0.08 min
 Lab File: BF093352.D
 Acq: 3 Mar 2017 10:11

Instrument :
 BNA_F
 ClientSampleId :
 9B-25

Tot Ion	Ratio	Resp	Lower	Upper
276	100			
277	23.9	19.2	28.8	
138	32.2	16.0	24.0	

Manual Integrations
 APPROVED

mohammad
 3/3/2017 5:17:11 PM

