

Data Path : Z:\HPCHEM1\BNA F\DATA\BF013017\
 Data File : BF092662.D
 Acq On : 31 Jan 2017 4:22
 Operator : SJ/MA
 Sample : I1531-04 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EDC-HPRR-S4C4

Manual Integrations
 APPROVED

mohammad
 1/31/2017 4:46:13 PM

Quant Time: Jan 31 07:03:41 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 30 14:50:05 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	168387	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	663918	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	286355	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	417789	20.00	ng	0.00
75) Chrysene-d12	14.15	240	303914	20.00	ng	0.00
86) Perylene-d12	15.62	264	236684	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	812582	82.79	ng	0.00
7) Phenol-d6	6.60	99	972437	77.00	ng	0.00
23) Nitrobenzene-d5	7.53	82	578487	48.52	ng	-0.01
41) 2,4,6-Tribromophenol	10.81	330	157196	75.90	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1074140	67.96	ng	0.00
78) Terphenyl-d14	13.08	244	685825	53.02	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.61	94	38712	2.62	ng	93
49) Dimethylphthalate	9.72	163	154305	8.00	ng	100
51) Acenaphthene	10.04	154	71357	4.26	ng	98
54) Dibenzofuran	10.21	168	53272	2.38	ng	92
57) Fluorene	10.56	166	75314	4.37	ng	100
70) Phenanthrene	11.53	178	762236	31.84	ng	98
71) Anthracene	11.57	178	293192	12.20	ng	98
72) Carbazole	11.73	167	48458	2.11	ng	99
74) Fluoranthene	12.72	202	1025883	41.55	ng	96
77) Pyrene	12.94	202	975507	42.89	ng	99
80) Benzo(a)anthracene	14.13	228	430298	23.15	ng	97
82) Chrysene	14.17	228	388575m	22.33	ng	
83) Bis(2-ethylhexyl)phthalate	14.11	149	37922	3.00	ng	# 95
85) Indeno(1,2,3-cd)pyrene	17.11	276	154959	11.50	ng	96
87) Benzo(b)fluoranthene	15.19	252	451194m	28.96	ng	
88) Benzo(k)fluoranthene	15.21	252	82817m	6.16	ng	
89) Benzo(a)pyrene	15.56	252	276333	20.51	ng	99
90) Dibenzo(a,h)anthracene	17.11	278	34883	3.20	ng	# 77
91) Benzo(a,h,i)perylene	17.55	276	152637	13.87	ng	# 92

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

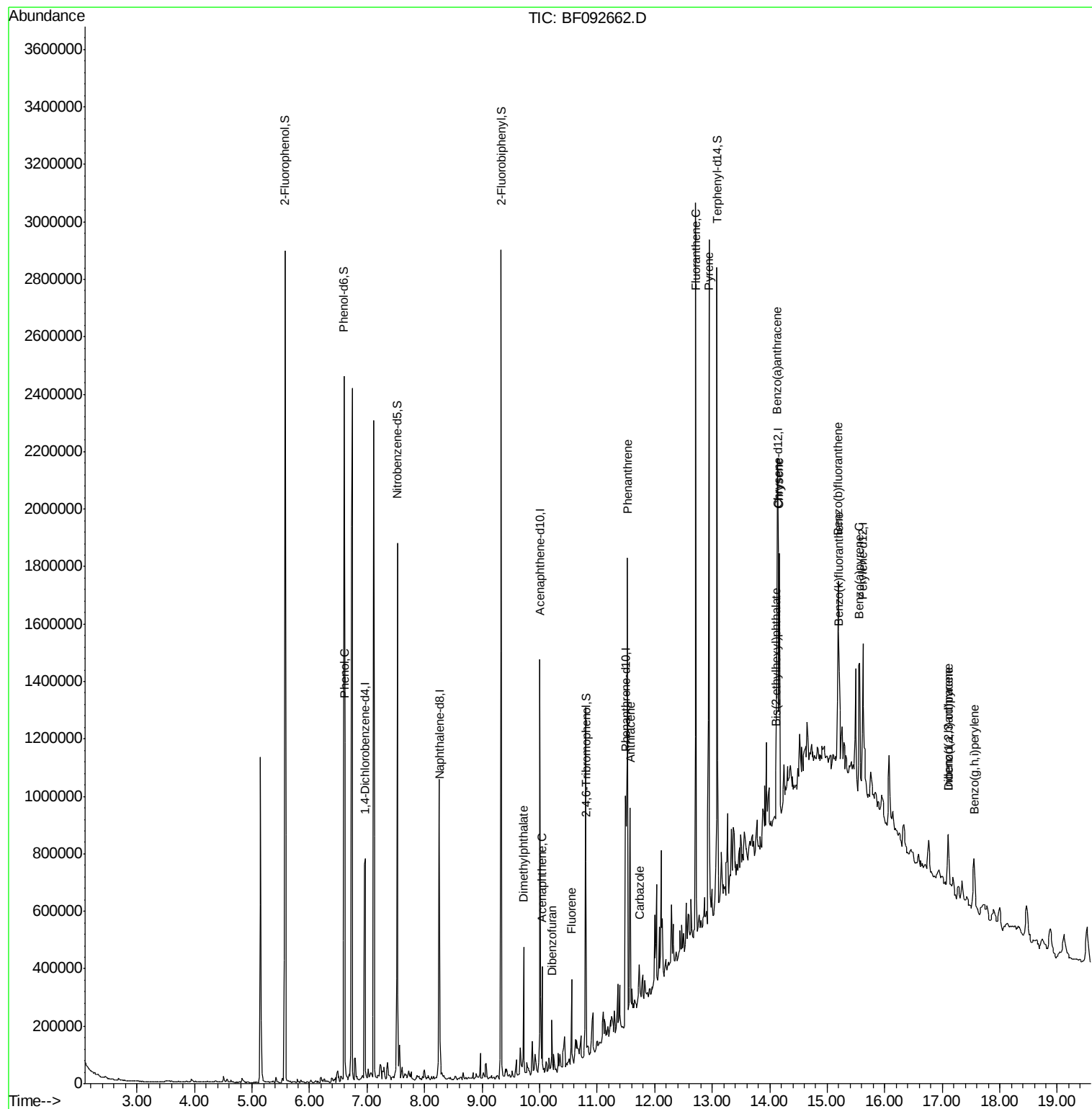
Data Path : Z:\HPCHEM1\BNA F\DATA\BF013017\
Data File : BF092662.D
Acq On : 31 Jan 2017 4:22
Operator : SJ/MA
Sample : I1531-04 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

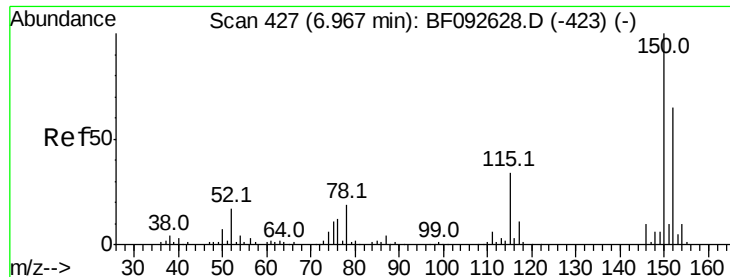
Instrument :
BNA_F
ClientSampleID :
EDC-HPRR-S4C4

Manual Integrations
APPROVED

mohammad
1/31/2017 4:46:13 PM

Quant Time: Jan 31 07:03:41 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 30 14:50:05 2017
Response via : Initial Calibration





#1

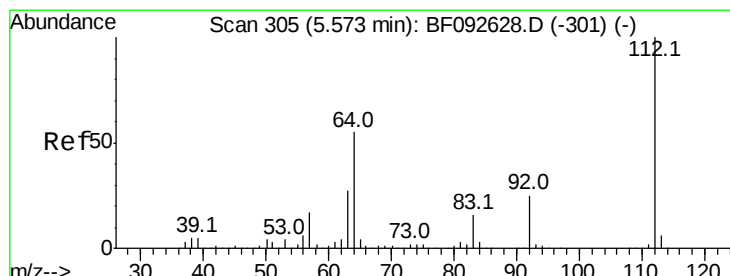
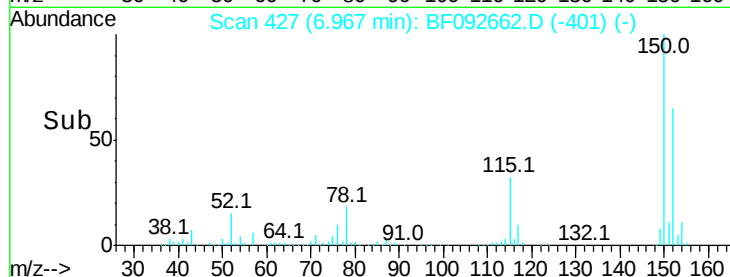
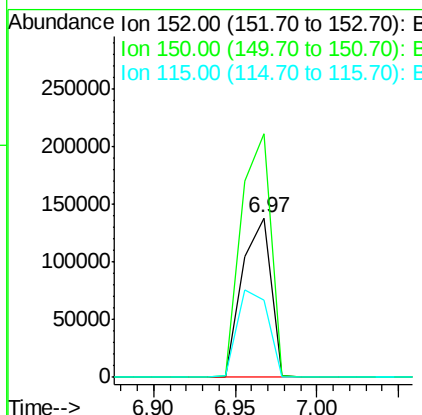
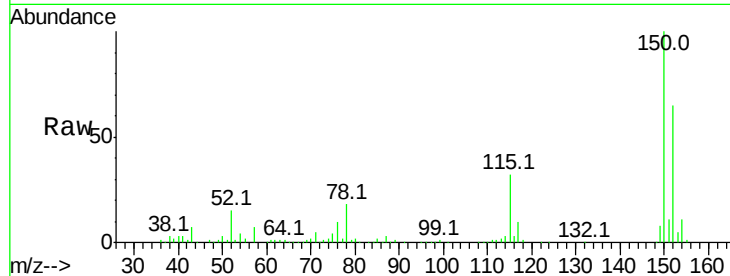
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.97 min Scan# 427
 Delta R.T. -0.00 min
 Lab File: BF092662.D
 Acq: 31 Jan 2017 4:22

Instrument :
 BNA_F
 ClientSampleId :
 EDC-HPRR-S4C4

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.9	124.9	187.3
115	48.4	46.0	69.0

Manual Integrations
 APPROVED

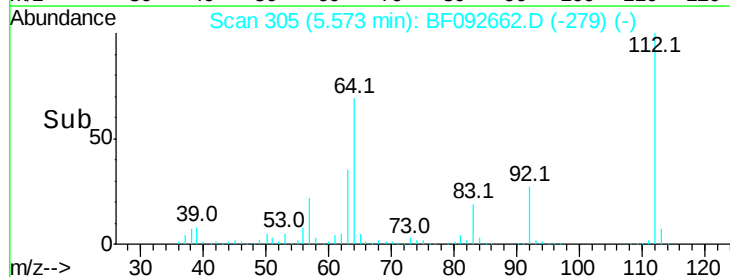
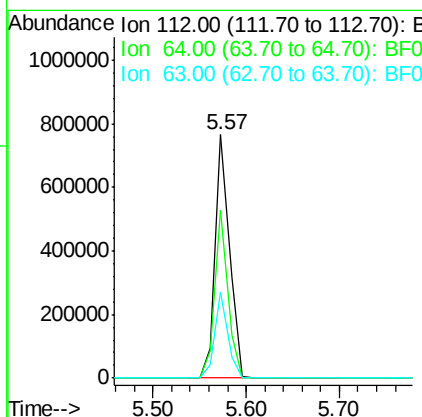
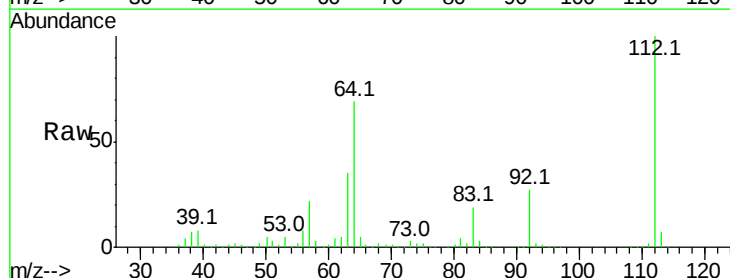
mohammad
 1/31/2017 4:46:13 PM

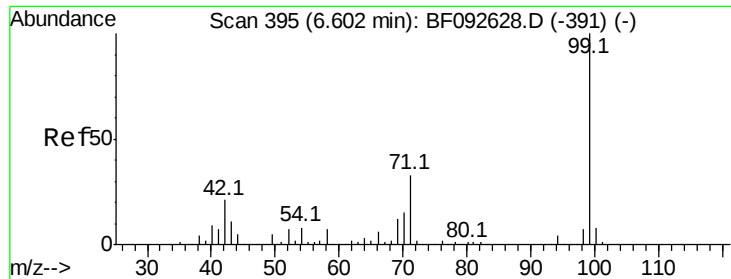


#5

2-Fluorophenol
 Concen: 82.79 ng
 RT: 5.57 min Scan# 305
 Delta R.T. 0.00 min
 Lab File: BF092662.D
 Acq: 31 Jan 2017 4:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.2	46.1	69.1#
63	35.2	23.8	35.6





#7

Phenol-d6

Concen: 77.00 ng

RT: 6.60 min Scan# 395

Delta R.T. -0.00 min

Lab File: BF092662.D

Acq: 31 Jan 2017 4:22

Instrument :

BNA_F

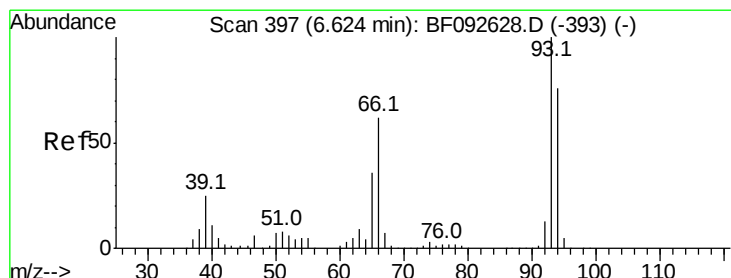
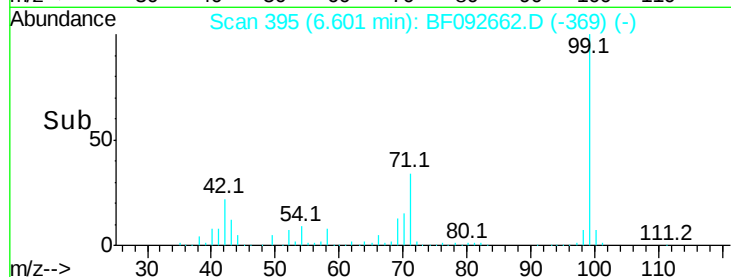
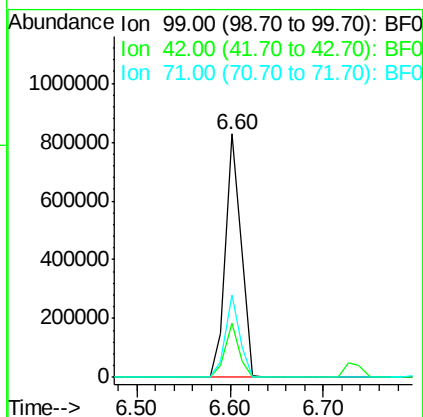
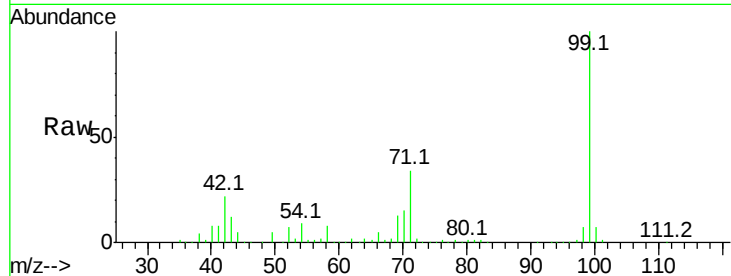
ClientSampleId :

EDC-HPRR-S4C4

Tot Ion:	99	Resp:	972437
Ion Ratio	Lower	Upper	
99	100		
42	22.4	15.6	23.4
71	34.0	27.5	41.3

Manual Integrations
APPROVED

mohammad
1/31/2017 4:46:13 PM



#10

Phenol

Concen: 2.62 ng

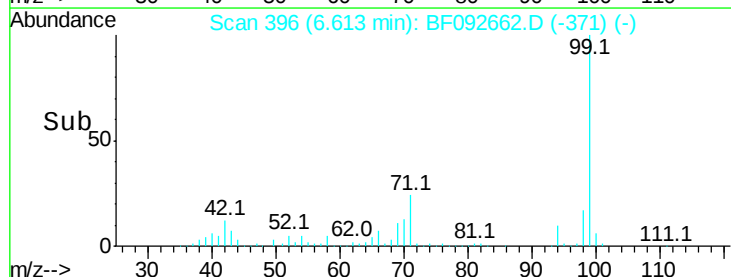
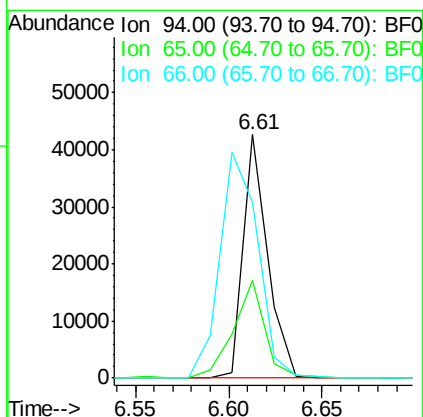
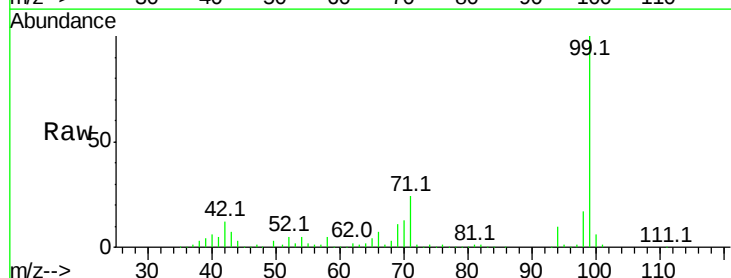
RT: 6.61 min Scan# 396

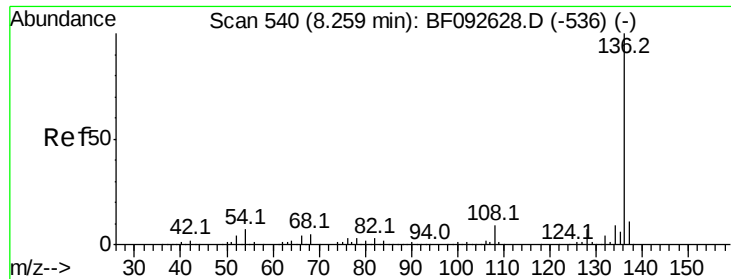
Delta R.T. -0.01 min

Lab File: BF092662.D

Acq: 31 Jan 2017 4:22

Tgt Ion:	94	Resp:	38712
Ion Ratio	Lower	Upper	
94	100		
65	40.2	21.4	61.4
66	72.4	44.0	84.0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.26 min Scan# 540

Delta R.T. -0.00 min

Lab File: BF092662.D

Acq: 31 Jan 2017 4:22

Instrument :

BNA_F

ClientSampleId :

EDC-HPRR-S4C4

Tot Ion:136 Resp: 663918

Ion Ratio Lower Upper

136 100

137 10.5 8.4 12.6

54 6.3 4.5 6.7

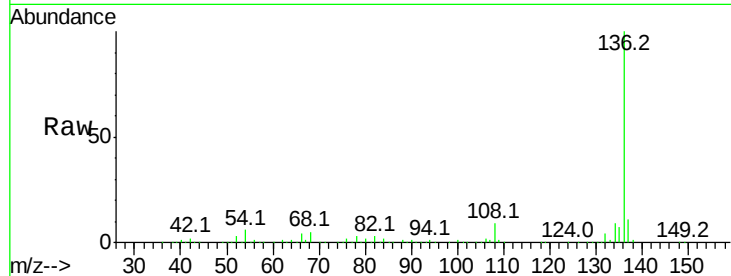
68 4.8 3.6 5.4

Manual Integrations

APPROVED

mohammad

1/31/2017 4:46:13 PM

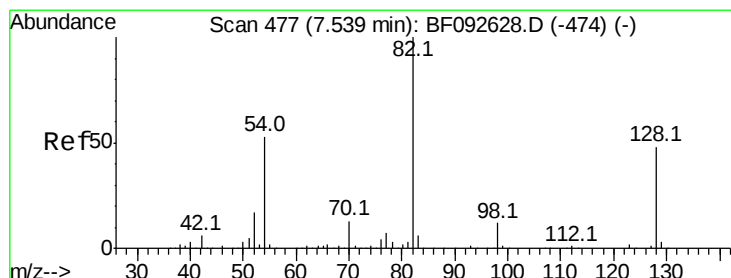
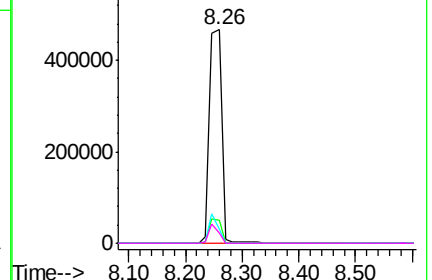
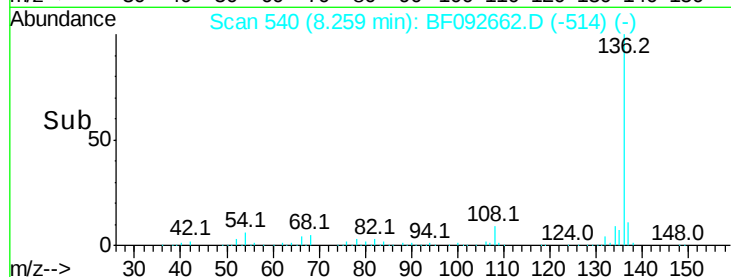


Abundance Ion 136.00 (135.70 to 136.70): E

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: 48.52 ng

RT: 7.53 min Scan# 476

Delta R.T. -0.01 min

Lab File: BF092662.D

Acq: 31 Jan 2017 4:22

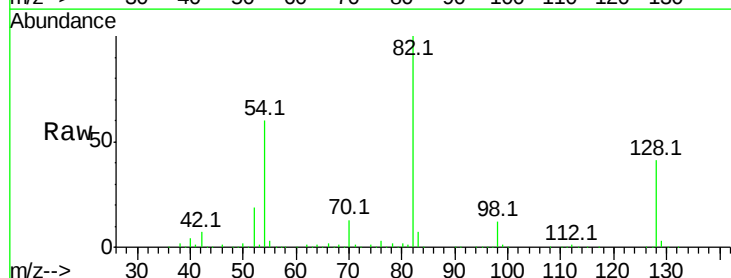
Tgt Ion: 82 Resp: 578487

Ion Ratio Lower Upper

82 100

128 40.8 34.6 52.0

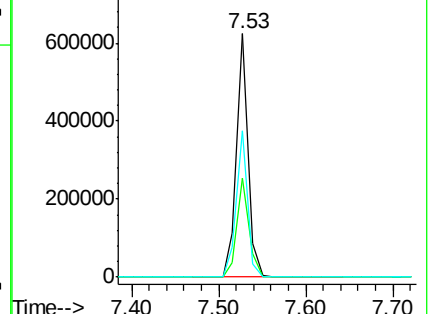
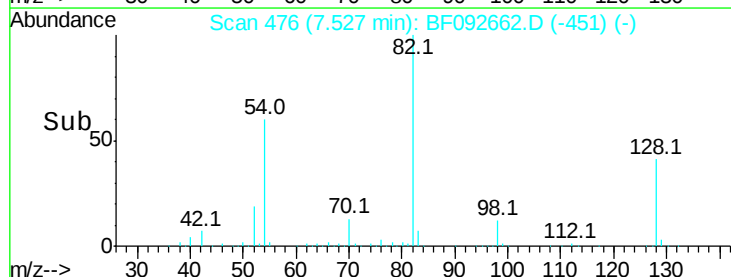
54 59.9 39.5 59.3#

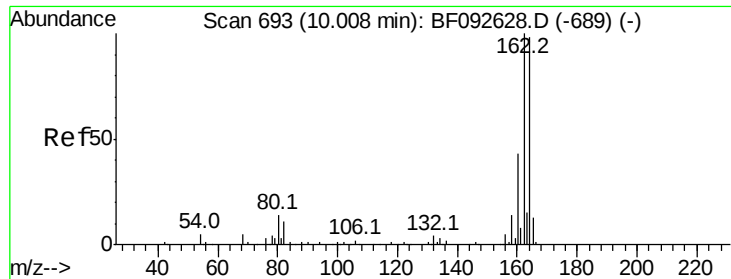


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





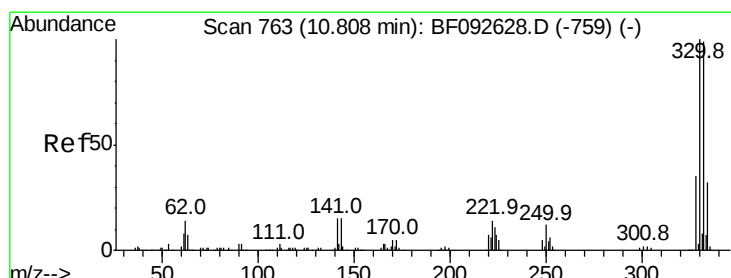
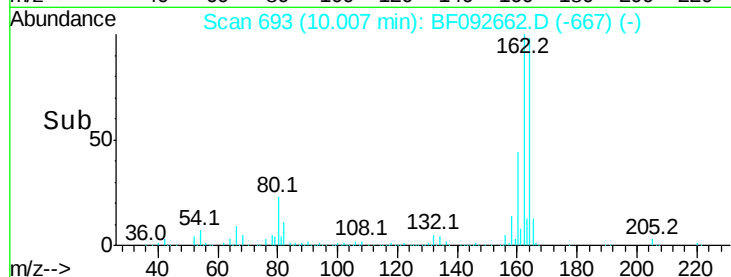
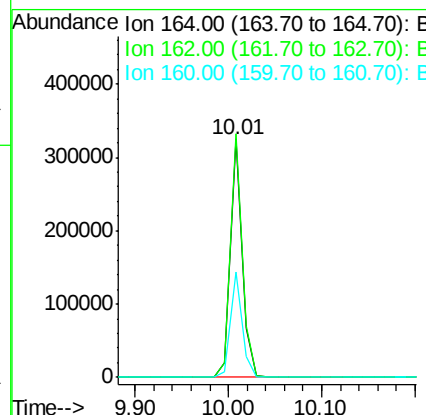
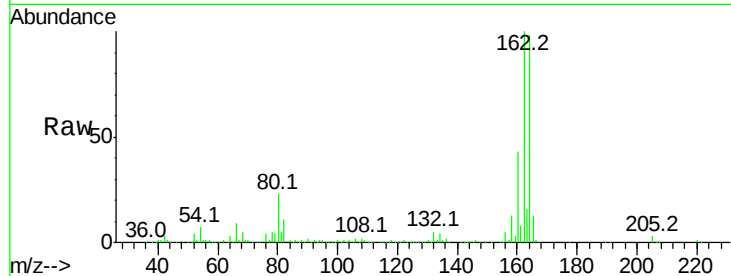
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.01 min Scan# 693
Delta R.T. -0.00 min
Lab File: BF092662.D
Acq: 31 Jan 2017 4:22

Instrument :
BNA_F
ClientSampleId :
EDC-HPRR-S4C4

Tot Ion	Ratio	Resp	Lower	Upper
164	100	286355		
162	102.2		80.2	120.2
160	44.4		36.9	55.3

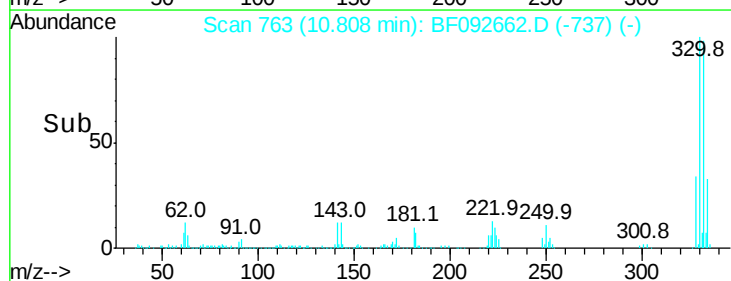
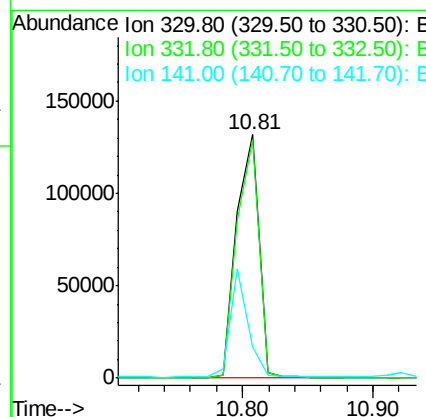
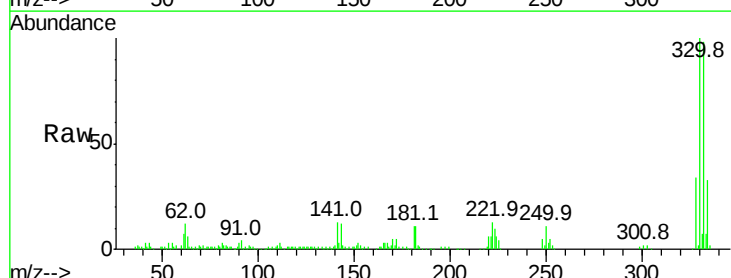
Manual Integrations
APPROVED

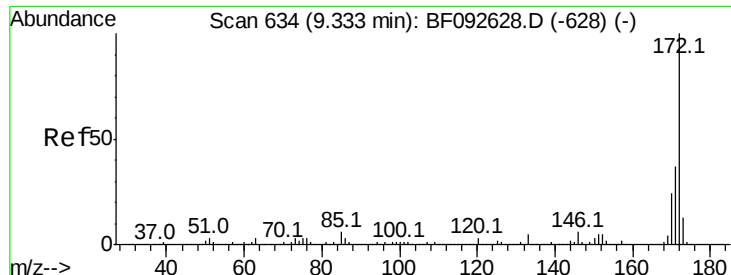
mohammad
1/31/2017 4:46:13 PM



#41
2,4,6-Tribromophenol
Concen: 75.90 ng
RT: 10.81 min Scan# 763
Delta R.T. -0.00 min
Lab File: BF092662.D
Acq: 31 Jan 2017 4:22

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	157196		
332	96.7		77.4	116.2
141	36.1		34.1	51.1





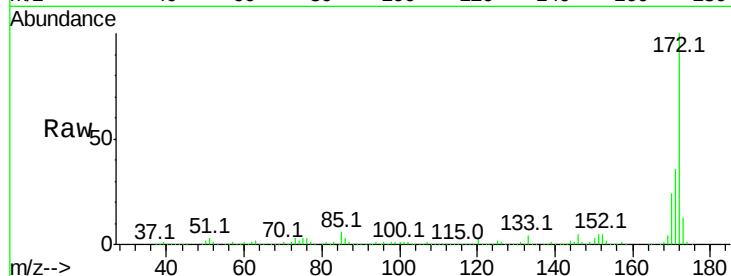
#44
2-Fluorobiphenyl
Concen: 67.96 ng
RT: 9.33 min Scan# 634
Delta R.T. -0.00 min
Lab File: BF092662.D
Acq: 31 Jan 2017 4:22

Instrument :
BNA_F
ClientSampleId :
EDC-HPRR-S4C4

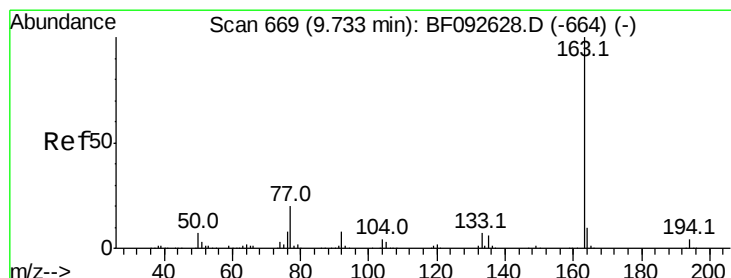
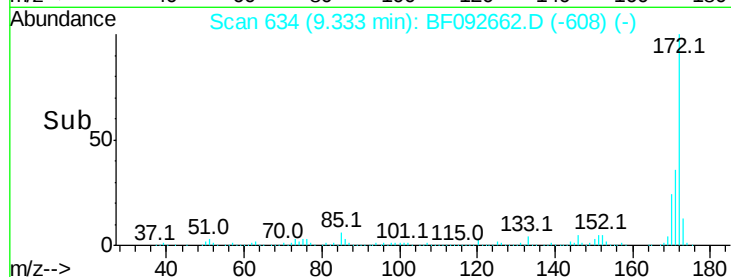
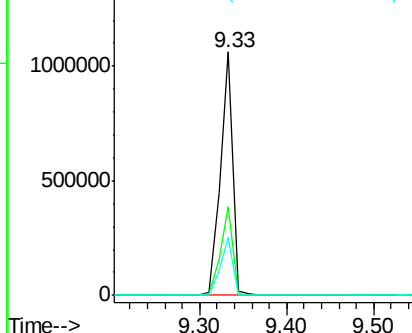
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.4	44.0
170	24.0	20.2	30.4

Manual Integrations
APPROVED

mohammad
1/31/2017 4:46:13 PM

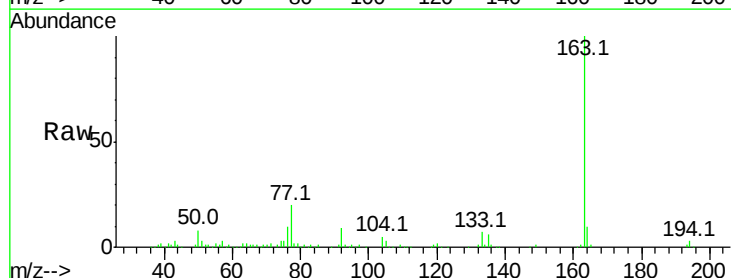


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

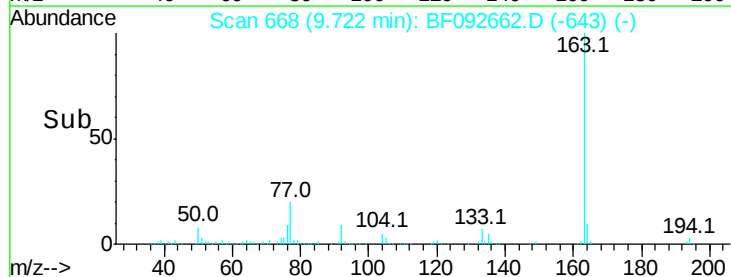
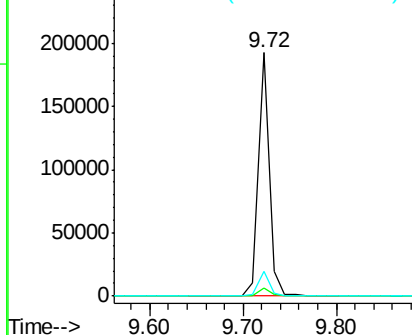


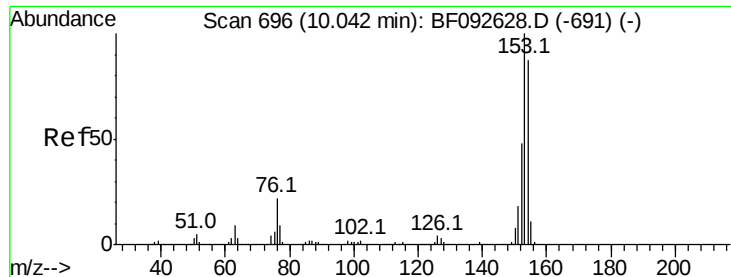
#49
Dimethylphthalate
Concen: 8.00 ng
RT: 9.72 min Scan# 668
Delta R.T. -0.01 min
Lab File: BF092662.D
Acq: 31 Jan 2017 4:22

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.4	3.0	4.4
164	10.0	8.0	12.0



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





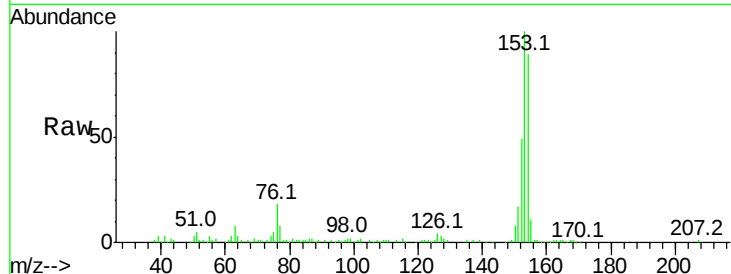
#51
Acenaphthene
Concen: 4.26 ng
RT: 10.04 min Scan# 696
Delta R.T. -0.00 min
Lab File: BF092662.D
Acq: 31 Jan 2017 4:22

Instrument :
BNA_F
ClientSampled :
EDC-HPRR-S4C4

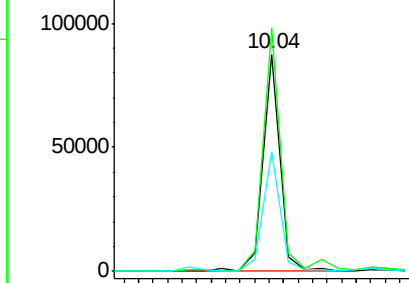
Tot Ion	Ratio	Lower	Upper
154	100		
153	112.2	88.6	133.0
152	55.3	41.6	62.4

Manual Integrations
APPROVED

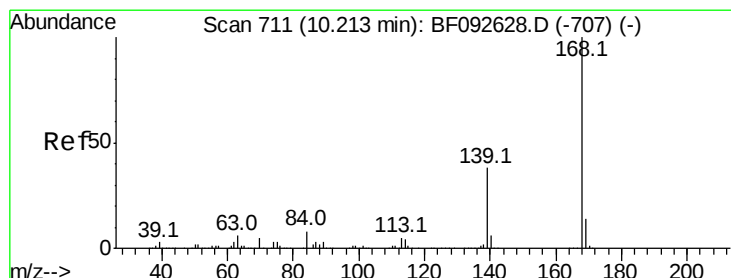
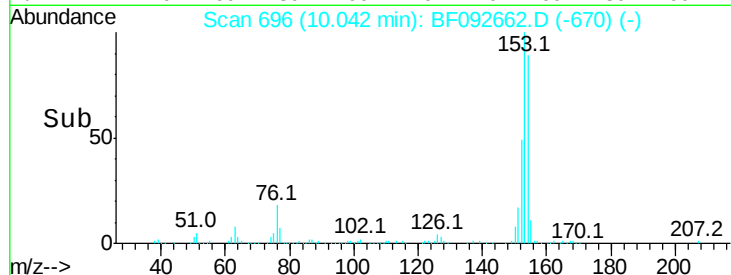
mohammad
1/31/2017 4:46:13 PM



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

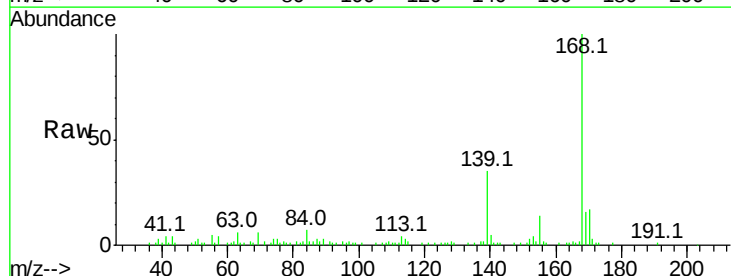


Time-->

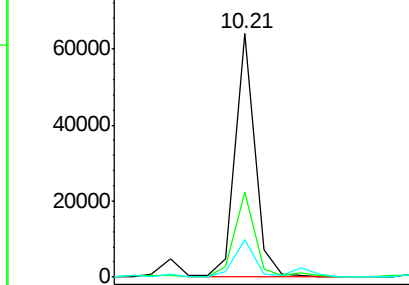


#54
Dibenzofuran
Concen: 2.38 ng
RT: 10.21 min Scan# 711
Delta R.T. -0.00 min
Lab File: BF092662.D
Acq: 31 Jan 2017 4:22

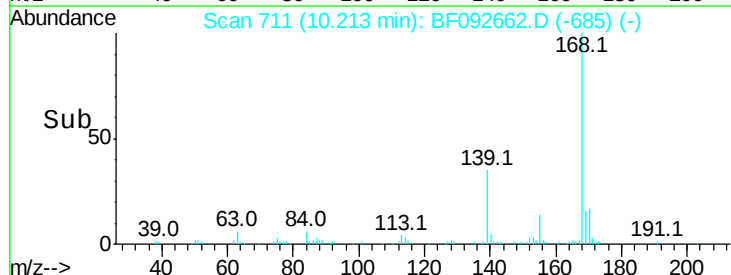
Tgt Ion	Ratio	Lower	Upper
168	100		
139	34.7	32.6	49.0
169	15.5	11.3	16.9

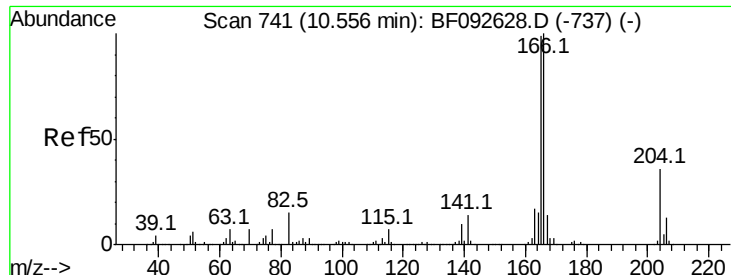


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E



Time-->





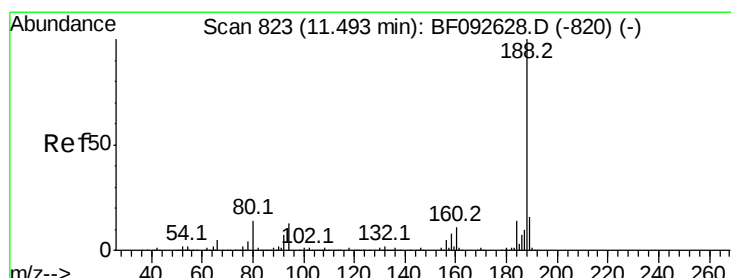
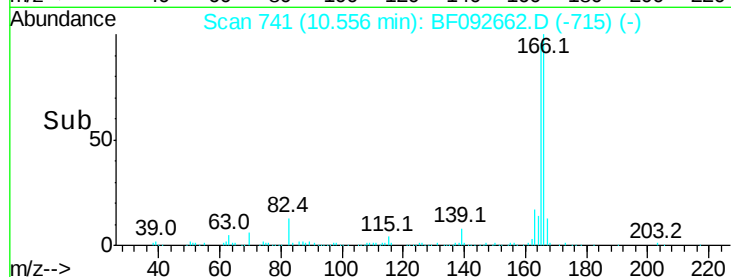
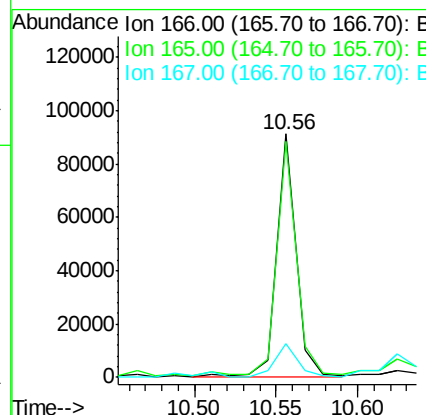
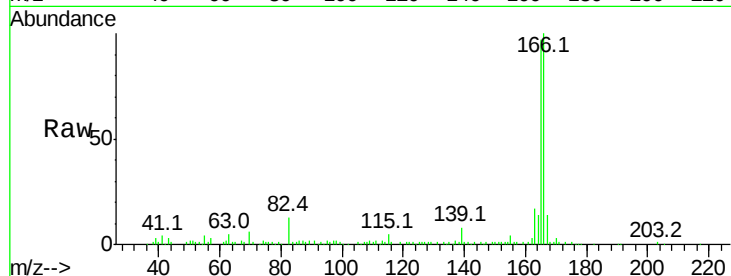
#57
Fluorene
 Concen: 4.37 ng
 RT: 10.56 min Scan# 741
 Delta R.T. -0.00 min
 Lab File: BF092662.D
 Acq: 31 Jan 2017 4:22

Instrument :
 BNA_F
 ClientSampleId :
 EDC-HPRR-S4C4

Tot Ion	Ratio	Lower	Upper
166	100		
165	97.0	77.8	116.8
167	14.0	10.8	16.2

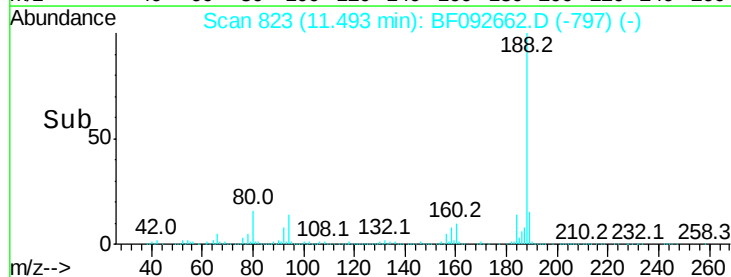
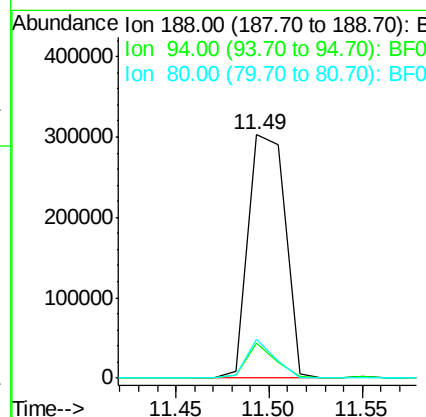
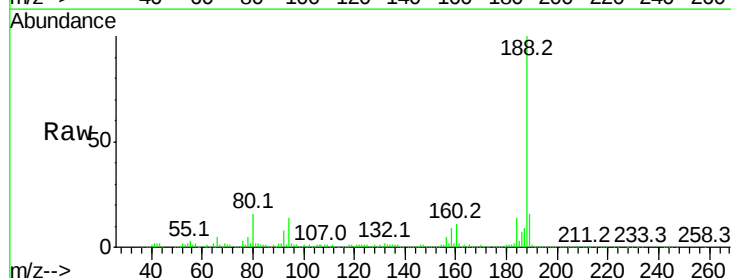
Manual Integrations
 APPROVED

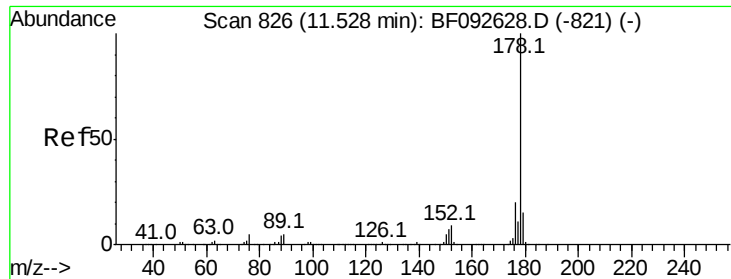
mohammad
 1/31/2017 4:46:13 PM



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.49 min Scan# 823
 Delta R.T. -0.00 min
 Lab File: BF092662.D
 Acq: 31 Jan 2017 4:22

Tgt Ion	Ratio	Lower	Upper
188	100		
94	14.3	10.0	15.0
80	15.7	11.2	16.8





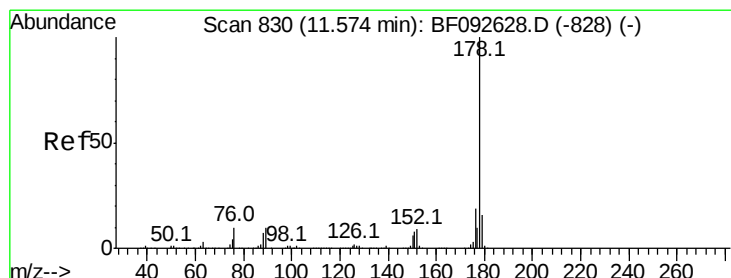
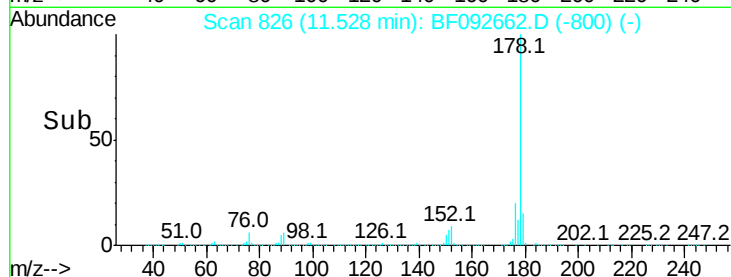
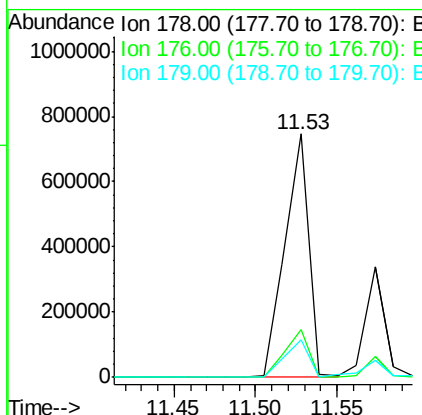
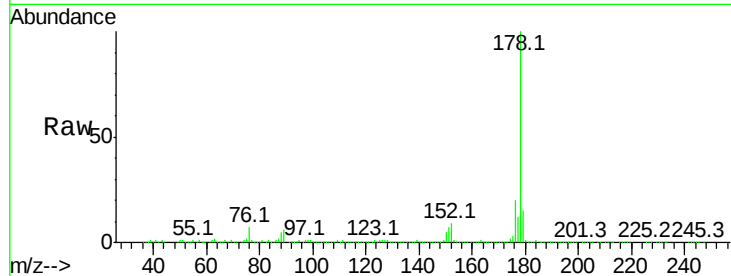
#70
Phenanthrene
Concen: 31.84 ng
RT: 11.53 min Scan# 826
Delta R.T. -0.00 min
Lab File: BF092662.D
Acq: 31 Jan 2017 4:22

Instrument :
BNA_F
ClientSampleId :
EDC-HPRR-S4C4

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	16.6	25.0
179	15.4	12.8	19.2

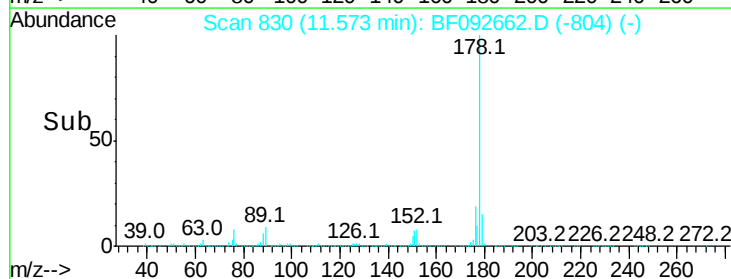
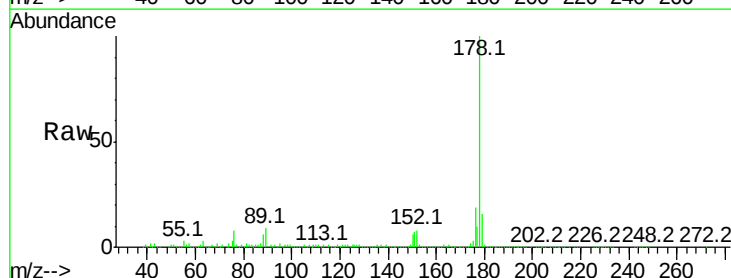
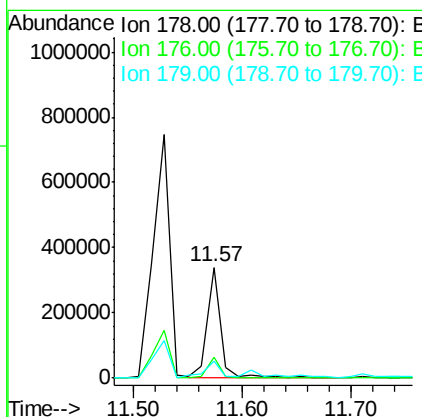
Manual Integrations
APPROVED

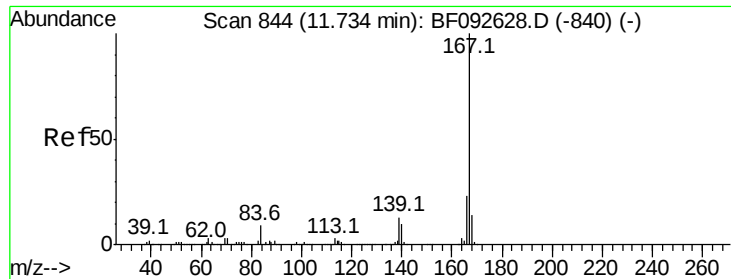
mohammad
1/31/2017 4:46:13 PM



#71
Anthracene
Concen: 12.20 ng
RT: 11.57 min Scan# 830
Delta R.T. -0.00 min
Lab File: BF092662.D
Acq: 31 Jan 2017 4:22

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.9	23.9
179	15.7	13.2	19.8





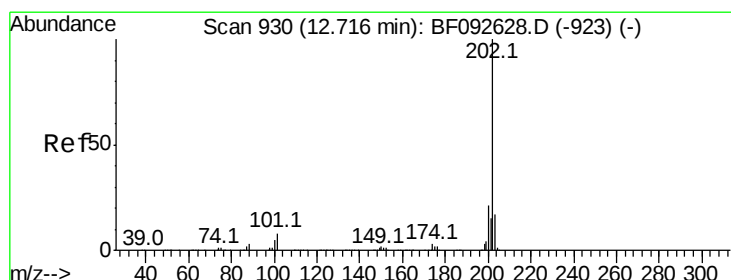
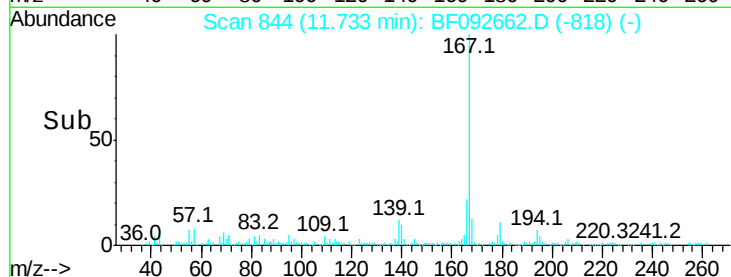
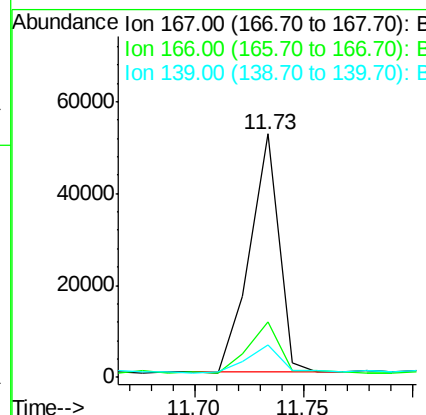
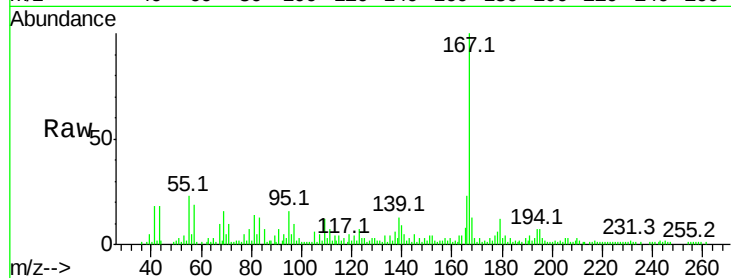
#72
 Carbazole
 Concen: 2.11 ng
 RT: 11.73 min Scan# 844
 Delta R.T. -0.00 min
 Lab File: BF092662.D
 Acq: 31 Jan 2017 4:22

Instrument :
 BNA_F
 ClientSampleId :
 EDC-HPRR-S4C4

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.9	18.2	27.2
139	13.4	11.4	17.2

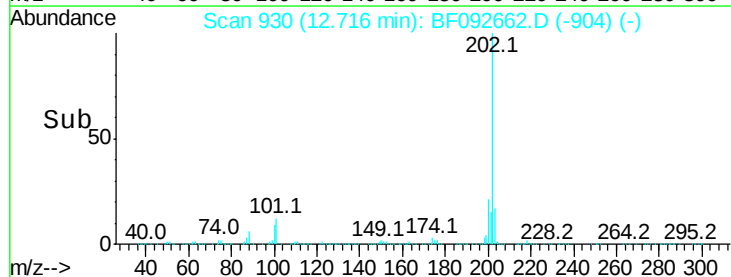
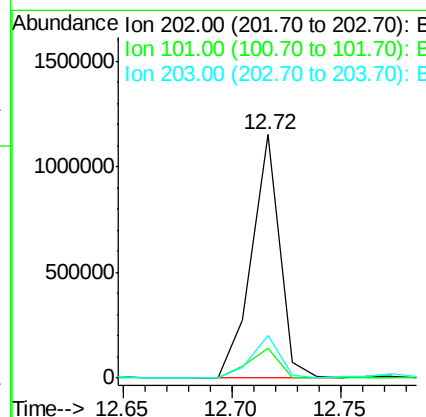
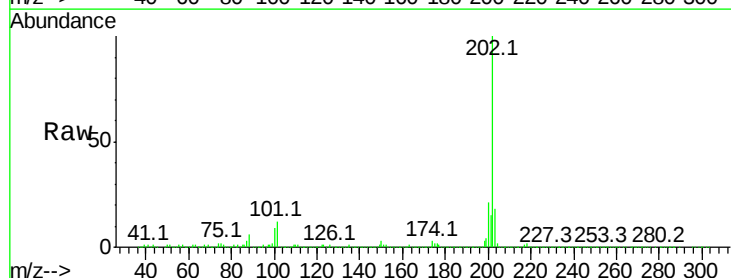
Manual Integrations
 APPROVED

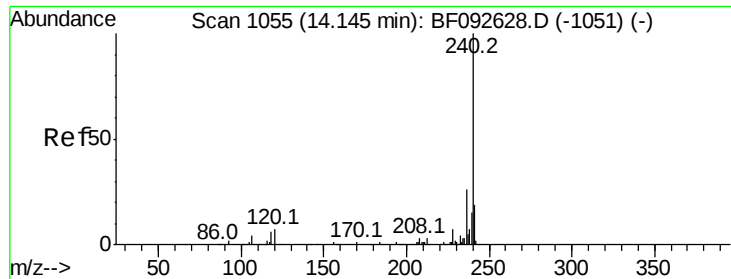
mohammad
 1/31/2017 4:46:13 PM



#74
 Fluoranthene
 Concen: 41.55 ng
 RT: 12.72 min Scan# 930
 Delta R.T. -0.00 min
 Lab File: BF092662.D
 Acq: 31 Jan 2017 4:22

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	34.6
203	17.5	0.0	38.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.15 min Scan# 1055

Delta R.T. -0.00 min

Lab File: BF092662.D

Acq: 31 Jan 2017 4:22

Instrument :

BNA_F

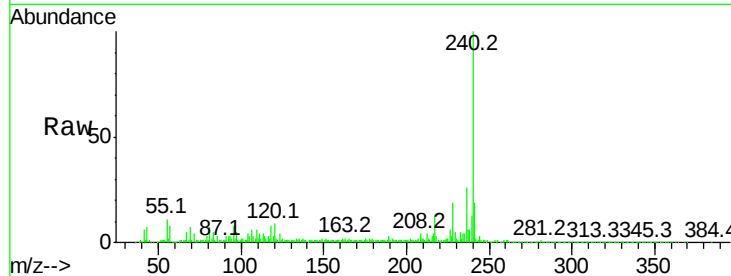
ClientSampleId :

EDC-HPRR-S4C4

Tot Ion	Ratio	Lower	Upper
240	100		
120	9.4	12.9	19.3#
236	26.0	20.9	31.3

Manual Integrations
APPROVED

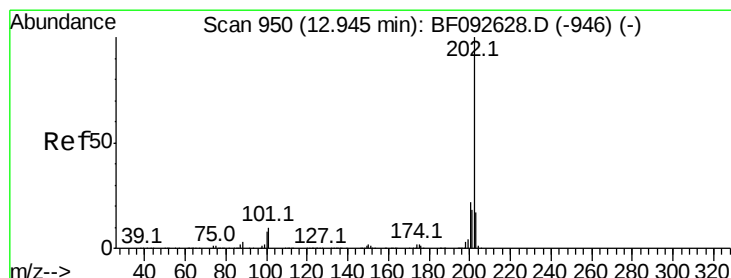
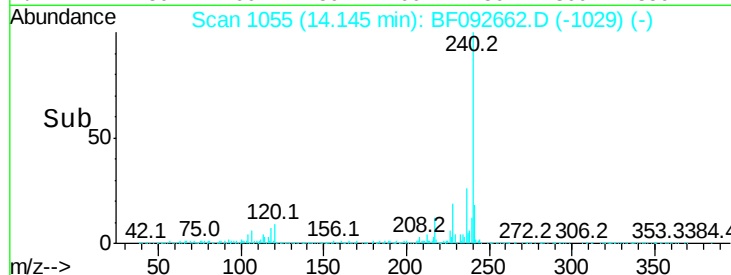
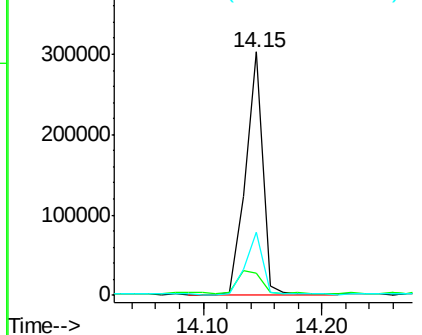
mohammad
1/31/2017 4:46:13 PM



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 42.89 ng

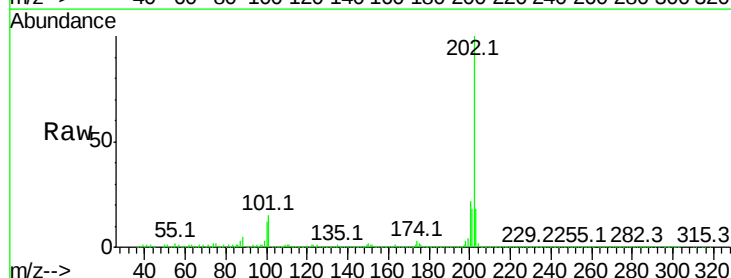
RT: 12.94 min Scan# 950

Delta R.T. -0.00 min

Lab File: BF092662.D

Acq: 31 Jan 2017 4:22

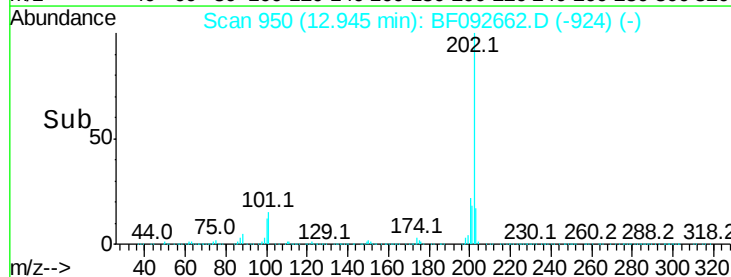
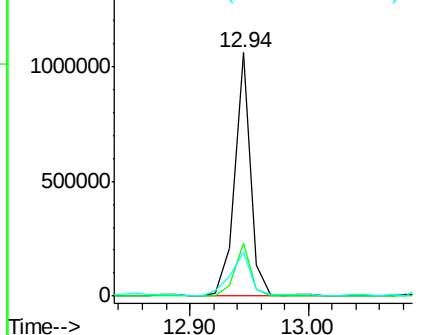
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.7	26.5
203	18.0	14.7	22.1

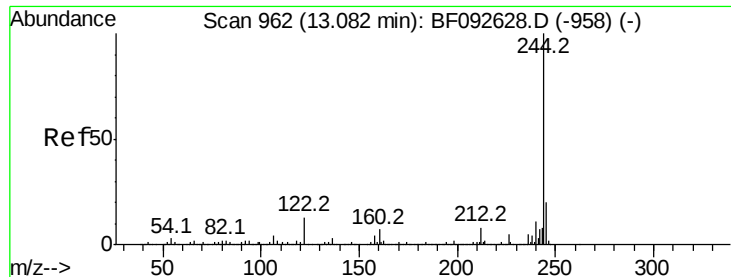


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





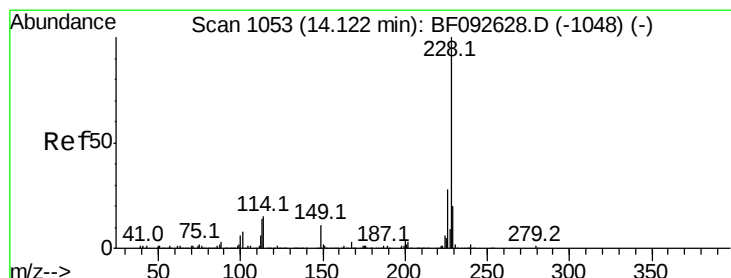
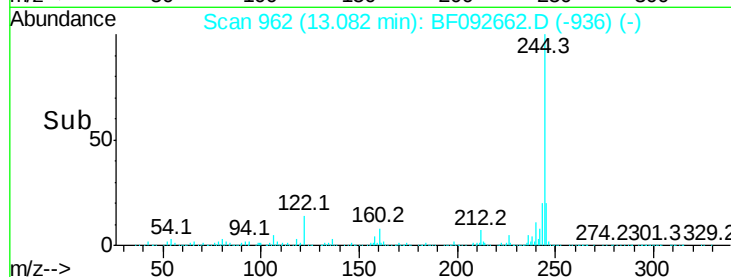
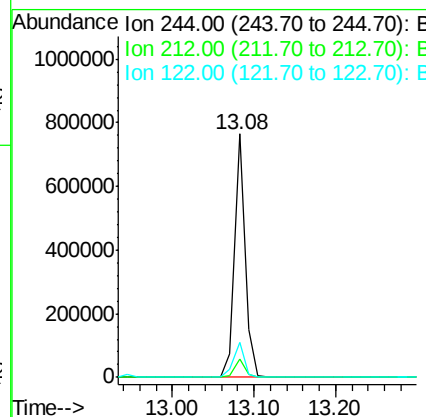
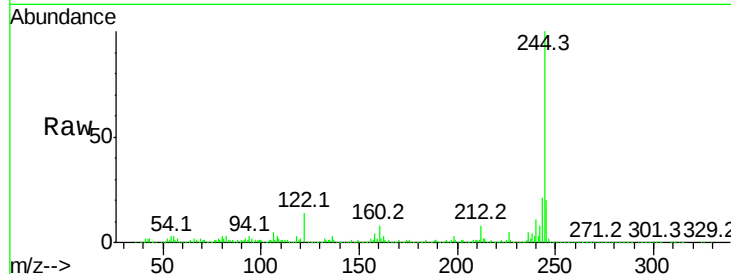
#78
 Terphenyl-d14
 Concen: 53.02 ng
 RT: 13.08 min Scan# 962
 Delta R.T. -0.00 min
 Lab File: BF092662.D
 Acq: 31 Jan 2017 4:22

Instrument :
 BNA_F
 ClientSampleId :
 EDC-HPRR-S4C4

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.2	9.2
122	14.2	11.4	17.2

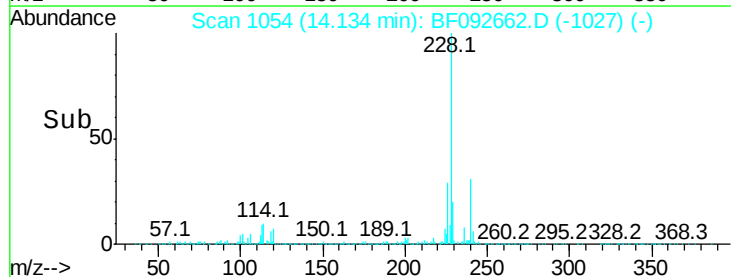
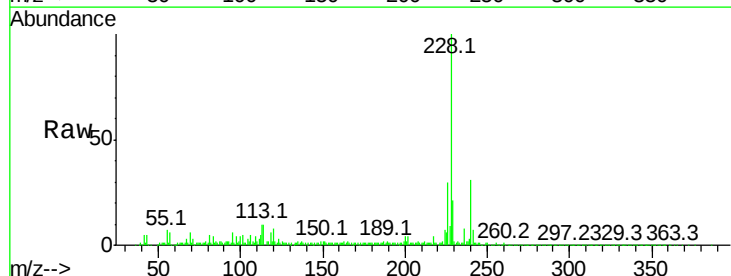
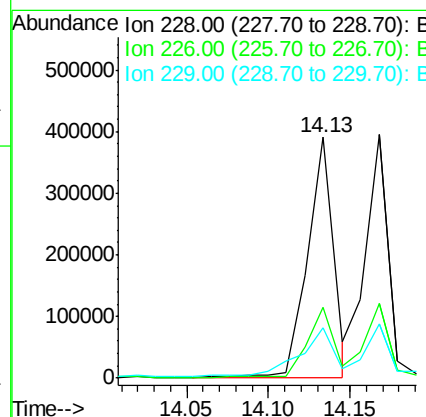
Manual Integrations
 APPROVED

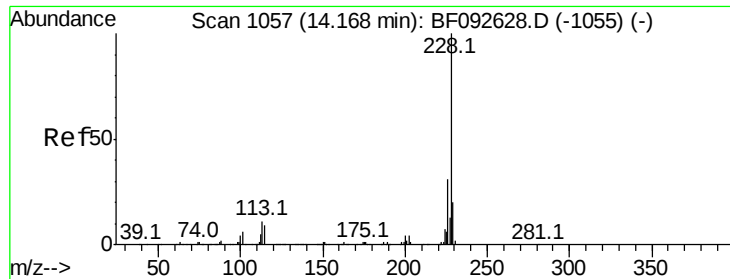
mohammad
 1/31/2017 4:46:13 PM



#80
 Benzo(a)anthracene
 Concen: 23.15 ng
 RT: 14.13 min Scan# 1054
 Delta R.T. 0.01 min
 Lab File: BF092662.D
 Acq: 31 Jan 2017 4:22

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.6	22.4	33.6
229	21.2	16.2	24.4





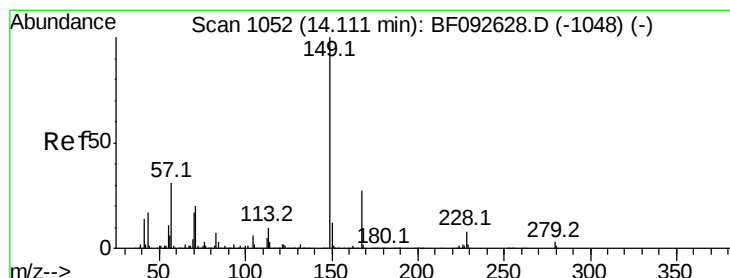
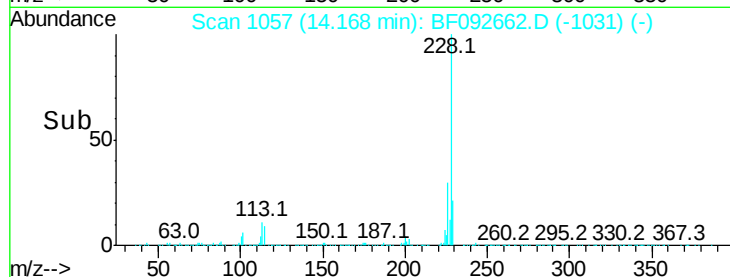
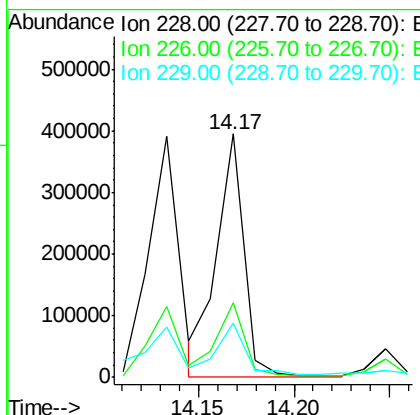
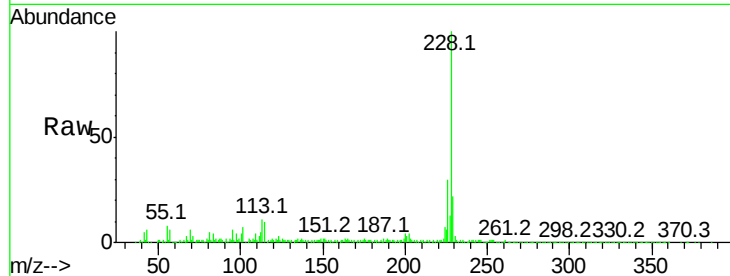
#82
Chrysene
Concen: 22.33 ng/ml
RT: 14.17 min Scan# 1057
Delta R.T. -0.00 min
Lab File: BF092662.D
Acq: 31 Jan 2017 4:22

Instrument :
BNA_F
ClientSampleId :
EDC-HPRR-S4C4

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.4	25.4	38.0
229	22.5	16.2	24.2

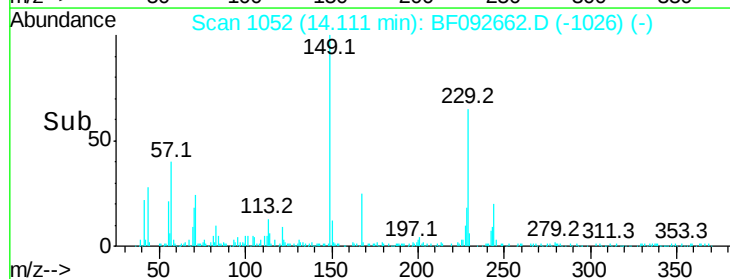
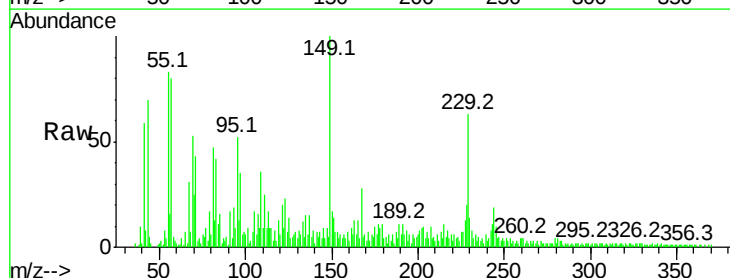
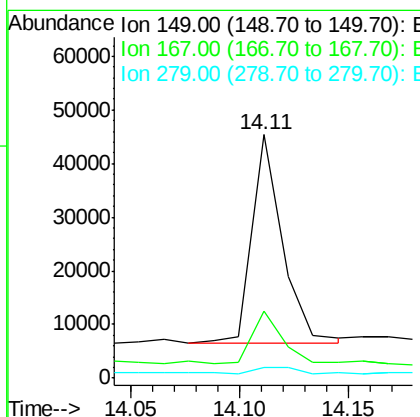
Manual Integrations
APPROVED

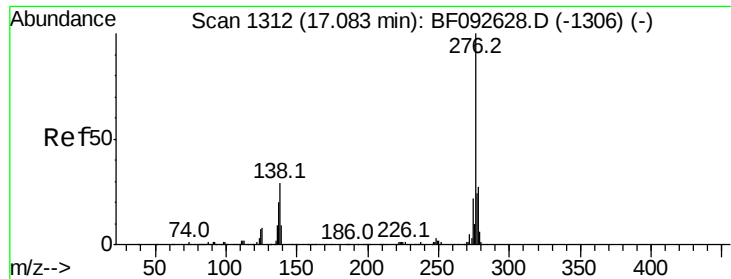
mohammad
1/31/2017 4:46:13 PM



#83
Bis(2-ethylhexyl)phthalate
Concen: 3.00 ng
RT: 14.11 min Scan# 1052
Delta R.T. -0.00 min
Lab File: BF092662.D
Acq: 31 Jan 2017 4:22

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.6	20.2	30.4
279	4.4	1.8	2.8





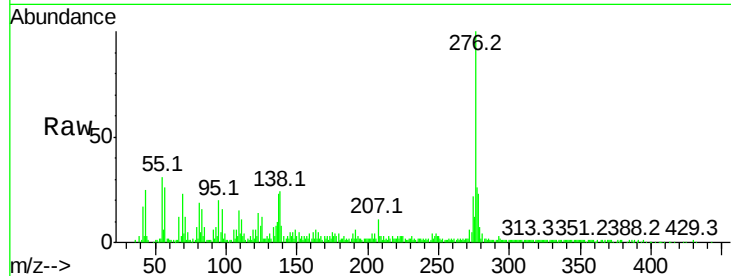
#85
Indeno(1,2,3-cd)pyrene
Concen: 11.50 ng
RT: 17.11 min Scan# 1314
Delta R.T. 0.02 min
Lab File: BF092662.D
Acq: 31 Jan 2017 4:22

Instrument :
BNA_F
ClientSampleId :
EDC-HPRR-S4C4

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.5	21.8	32.6
277	29.0	20.2	30.4

Manual Integrations
APPROVED

mohammad
1/31/2017 4:46:13 PM

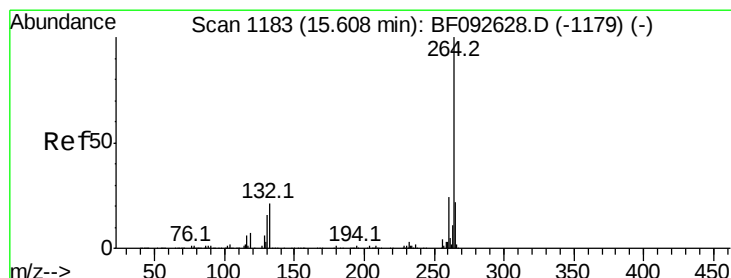
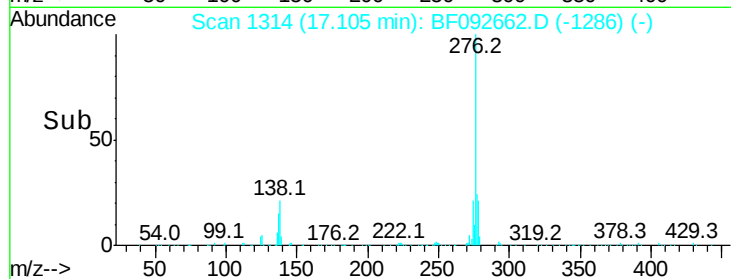
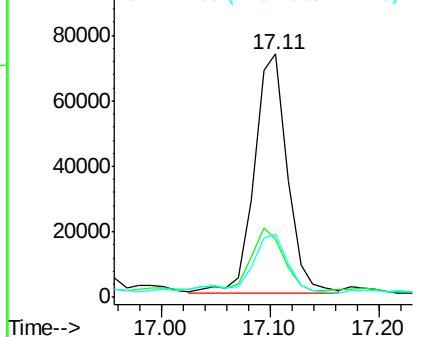


Abundance

Ion 276.00 (275.70 to 276.70): E

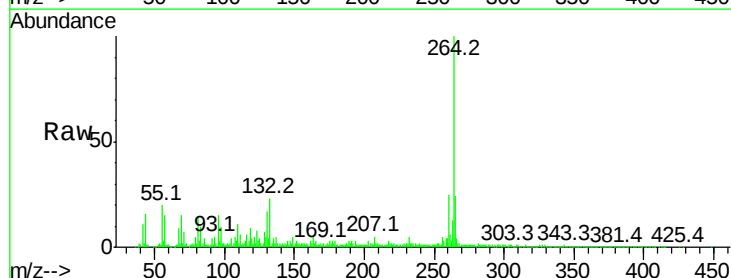
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.62 min Scan# 1184
Delta R.T. 0.01 min
Lab File: BF092662.D
Acq: 31 Jan 2017 4:22

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.2	28.8
265	23.5	17.4	26.0

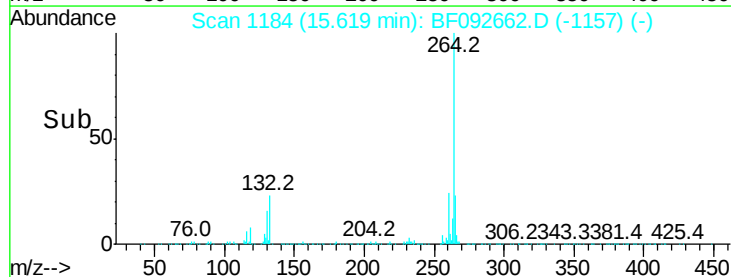
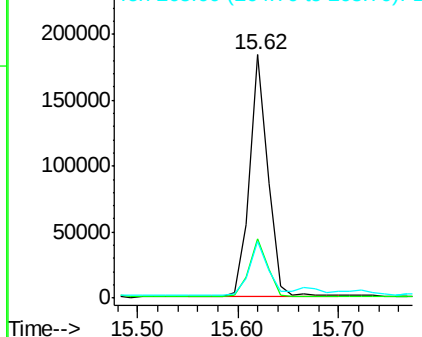


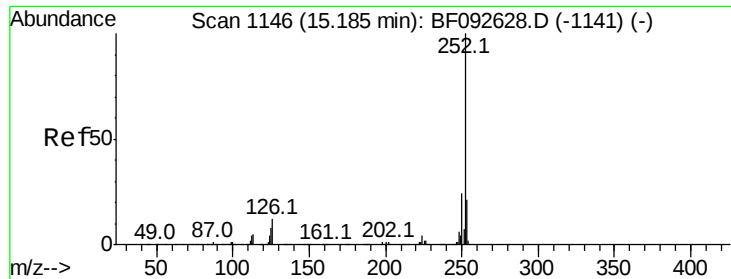
Abundance

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: 28.96 ng m

RT: 15.19 min Scan# 1146

Delta R.T. -0.00 min

Lab File: BF092662.D

Acq: 31 Jan 2017 4:22

Instrument :

BNA_F

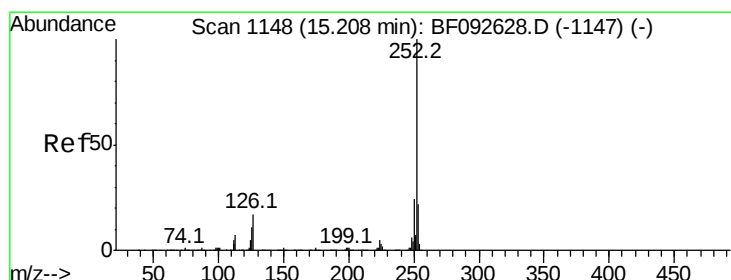
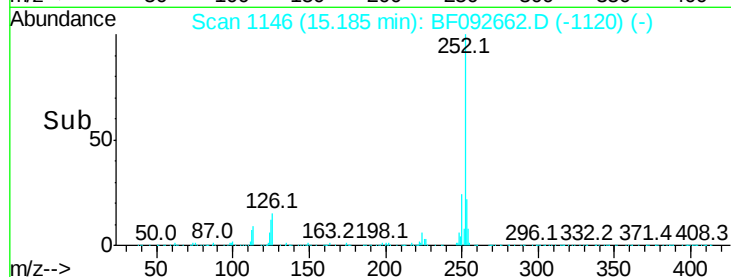
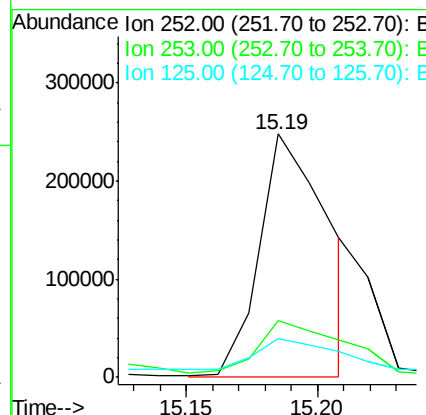
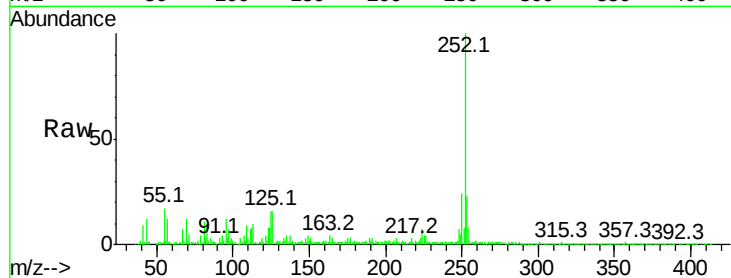
ClientSampleId :

EDC-HPRR-S4C4

Tot Ion:	252	Resp:	451194
Ion Ratio	Lower	Upper	
252	100		
253	23.4	18.2	27.4
125	15.8	9.8	14.6#

Manual Integrations
APPROVED

mohammad
1/31/2017 4:46:13 PM



#88

Benzo(k)fluoranthene

Concen: 6.16 ng m

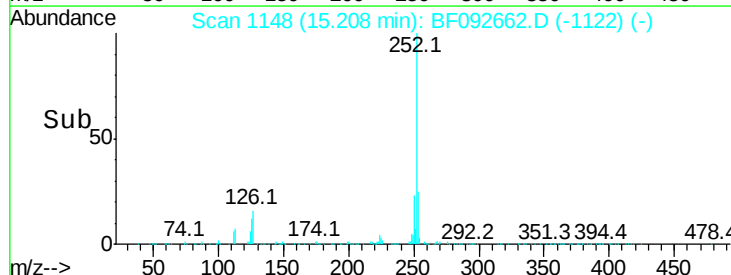
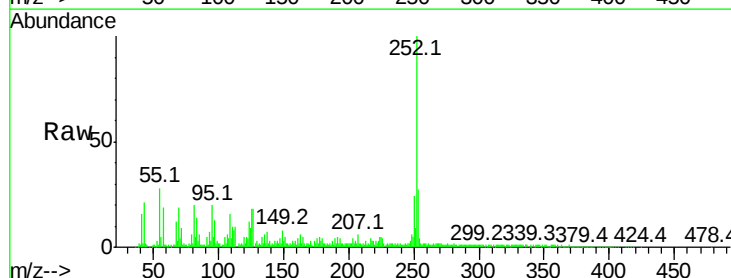
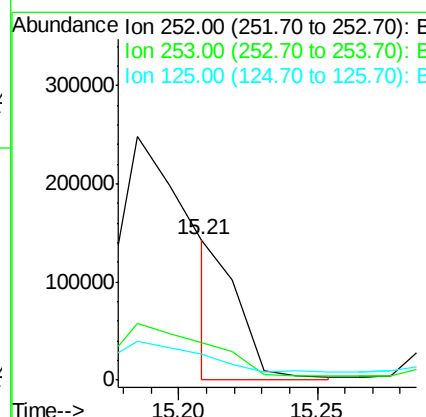
RT: 15.21 min Scan# 1148

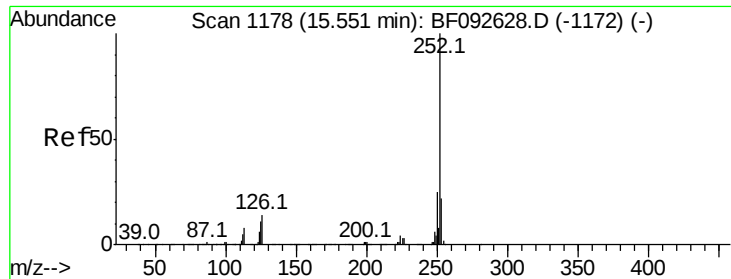
Delta R.T. -0.00 min

Lab File: BF092662.D

Acq: 31 Jan 2017 4:22

Tgt Ion:	252	Resp:	82817
Ion Ratio	Lower	Upper	
252	100		
253	26.8	18.5	27.7
125	18.4	8.9	13.3#





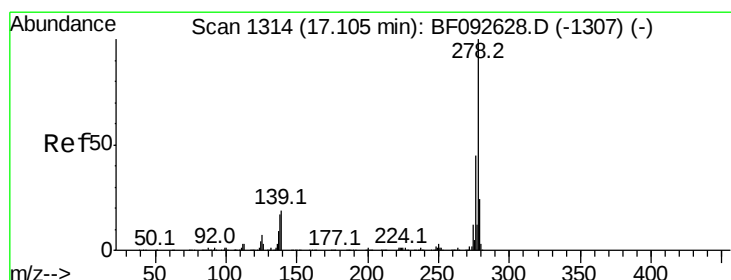
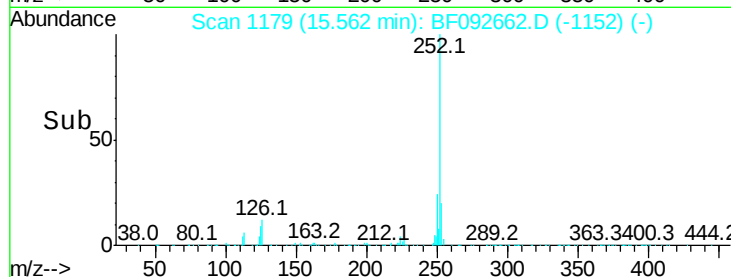
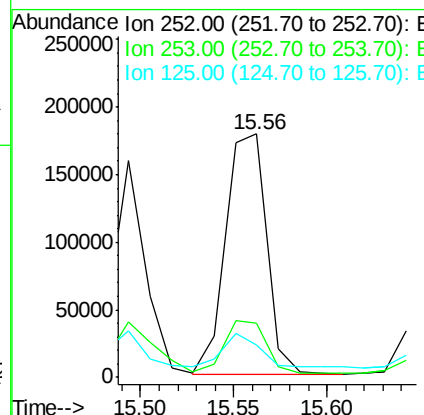
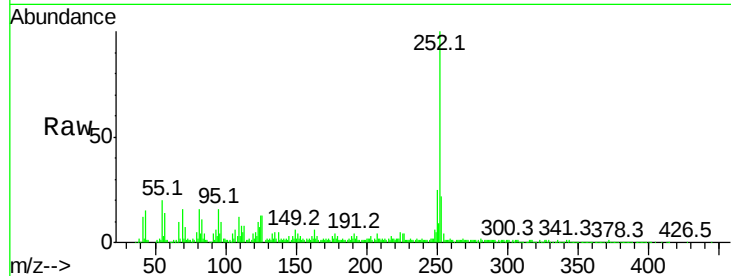
#89
Benzo(a)pyrene
Concen: 20.51 ng
RT: 15.56 min Scan# 1179
Delta R.T. 0.01 min
Lab File: BF092662.D
Acq: 31 Jan 2017 4:22

Instrument :
BNA_F
ClientSampleId :
EDC-HPRR-S4C4

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.2	27.2
125	13.5	10.0	15.0

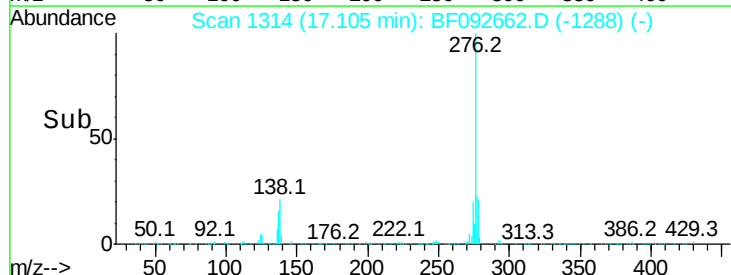
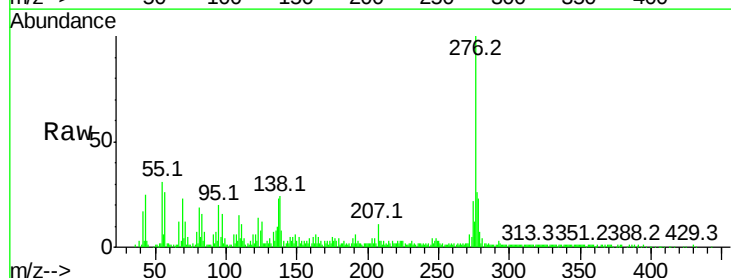
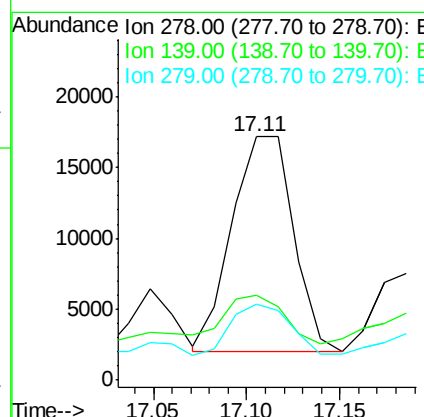
Manual Integrations
APPROVED

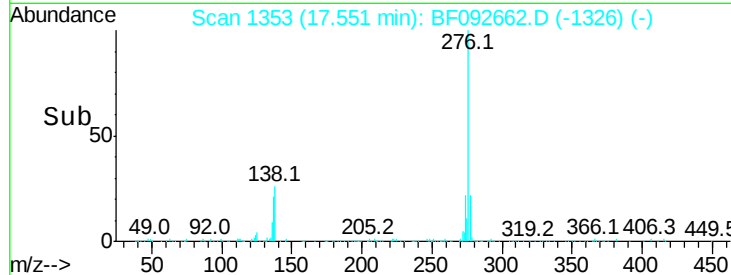
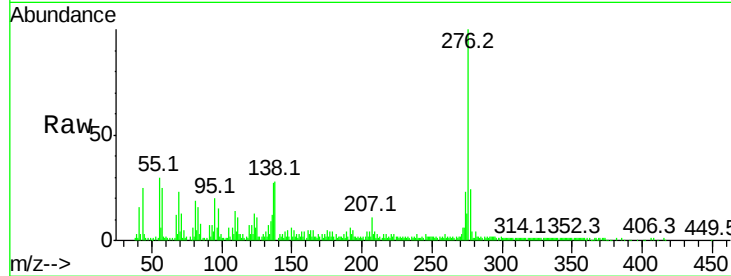
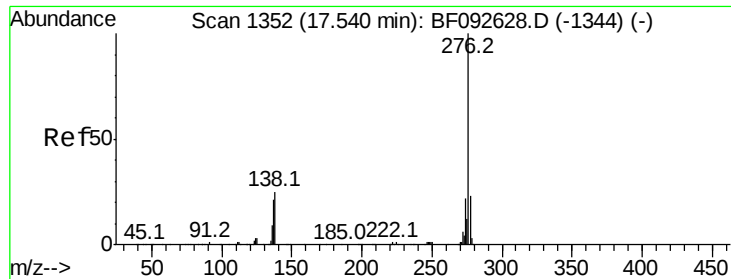
mohammad
1/31/2017 4:46:13 PM



#90
Dibenzo(a,h)anthracene
Concen: 3.20 ng
RT: 17.11 min Scan# 1314
Delta R.T. -0.00 min
Lab File: BF092662.D
Acq: 31 Jan 2017 4:22

Tgt Ion	Ratio	Lower	Upper
278	100		
139	34.7	14.8	22.2#
279	31.3	19.8	29.6#





#91

Benzo(a,h,i)perylene

Concen: 13.87 ng

RT: 17.55 min Scan# 1353

Delta R.T. 0.01 min

Lab File: BF092662.D

Acq: 31 Jan 2017 4:22

Instrument :

BNA_F

ClientSampleId :

EDC-HPRR-S4C4

Tot Ion:	276	Resp:	152637
Ion Ratio	Lower	Upper	
276	100		
277	23.7	19.2	28.8
138	28.0	16.0	24.0

Manual Integrations
APPROVED

mohammad
1/31/2017 4:46:13 PM

