

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020617\
 Data File : BF092818.D
 Acq On : 7 Feb 2017 1:32
 Operator : SJ/MA
 Sample : I1704-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-01-002-A

Manual Integrations
 APPROVED

mohammad
 2/7/2017 3:15:07 PM

Quant Time: Feb 07 02:23:51 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 07 01:19:37 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.91	152	139957	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	570327	20.00	ng	0.00
38) Acenaphthene-d10	9.96	164	257626	20.00	ng	0.00
63) Phenanthrene-d10	11.45	188	371744	20.00	ng	0.00
75) Chrysene-d12	14.09	240	303187	20.00	ng	0.00
86) Perylene-d12	15.55	264	219531	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	659491	80.84	ng	0.01
7) Phenol-d6	6.57	99	1583958	150.90	ng	0.01
23) Nitrobenzene-d5	7.48	82	860586	84.03	ng	0.00
41) 2,4,6-Tribromophenol	10.75	330	50253	26.97	ng	0.00
44) 2-Fluorobiphenyl	9.28	172	1463169	102.89	ng	0.00
78) Terphenyl-d14	13.04	244	1211054	93.86	ng	0.01
Target Compounds						Qvalue
10) Phenol	6.58	94	82943	6.75	ng	# 58
15) Benzyl Alcohol	7.06	79	38463	4.95	ng	96
31) Naphthalene	8.22	128	191550	6.63	ng	97
37) 2-Methylnaphthalene	8.91	142	58278	3.14	ng	98
49) Dimethylphthalate	9.66	163	174616	10.06	ng	99
51) Acenaphthene	9.98	154	111512	7.40	ng	96
54) Dibenzofuran	10.16	168	125630	6.23	ng	95
57) Fluorene	10.50	166	124936	8.06	ng	97
70) Phenanthrene	11.47	178	826819	38.82	ng	98
71) Anthracene	11.52	178	220766	10.32	ng	98
72) Carbazole	11.68	167	120741	5.91	ng	96
74) Fluoranthene	12.66	202	713037	32.46	ng	95
77) Pyrene	12.89	202	603959	26.62	ng	99
79) Butylbenzylphthalate	13.51	149	45187	4.90	ng	# 78
80) Benzo(a)anthracene	14.08	228	265789m	14.33	ng	
82) Chrysene	14.11	228	240030m	13.83	ng	
85) Indeno(1,2,3-cd)pyrene	16.99	276	80435	5.98	ng	93
87) Benzo(b)fluoranthene	15.12	252	247843m	17.15	ng	
88) Benzo(k)fluoranthene	15.14	252	58104m	4.66	ng	
89) Benzo(a)pyrene	15.48	252	148471	11.88	ng	# 93
91) Benzo(a,h,i)perylene	17.44	276	79049	7.75	ng	# 89

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

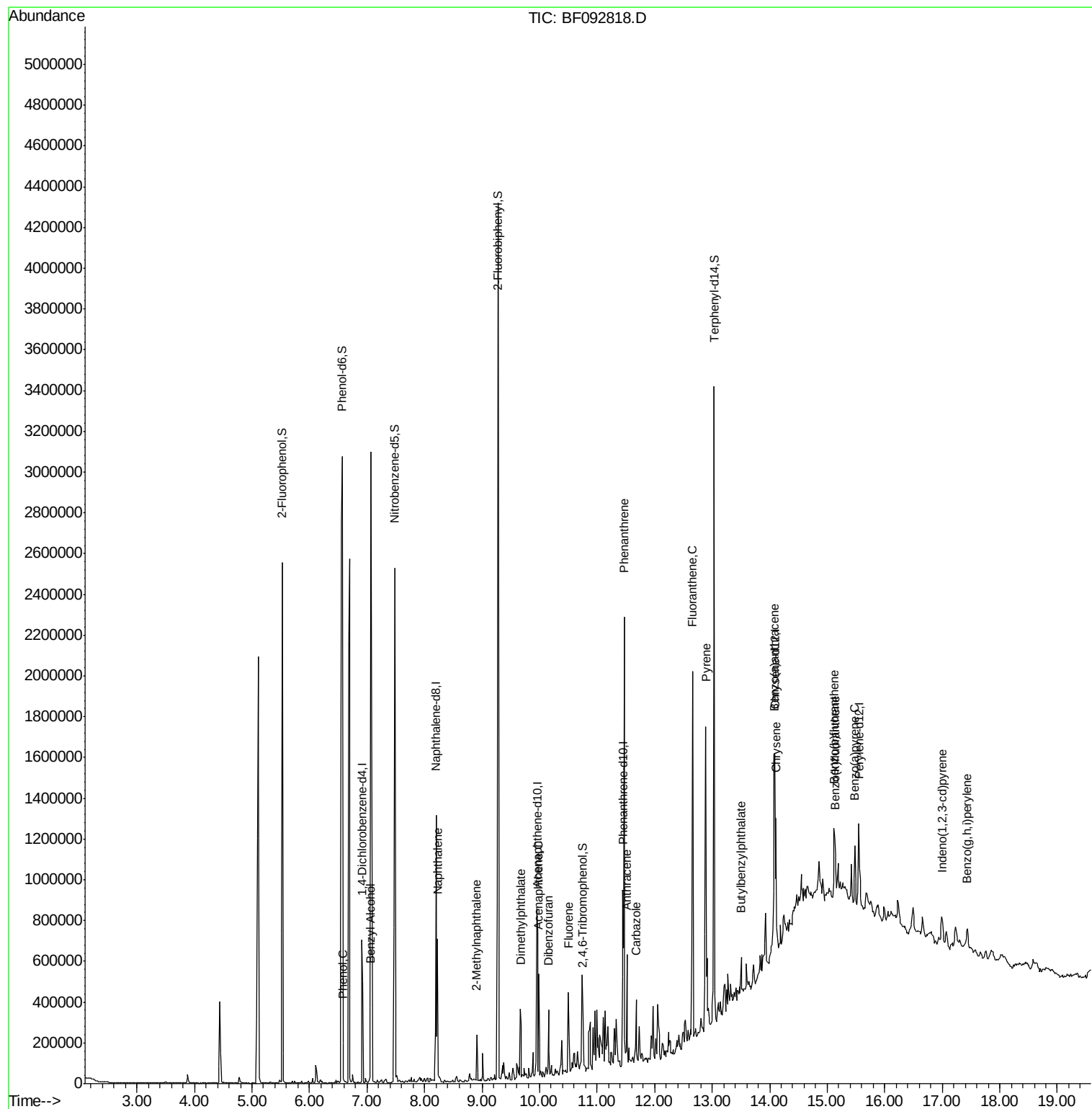
Data Path : Z:\HPCHEM1\BNA F\DATA\BF020617\
Data File : BF092818.D
Acq On : 7 Feb 2017 1:32
Operator : SJ/MA
Sample : I1704-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

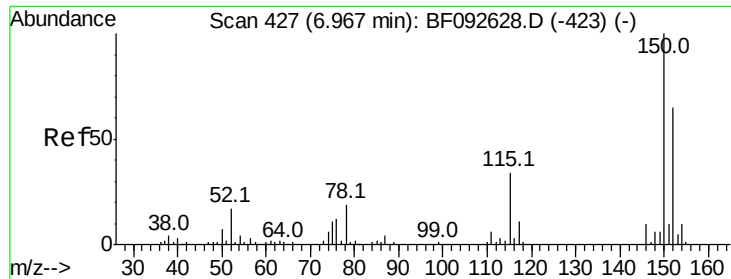
Instrument :
BNA_F
ClientSampleId :
FK-SF-01-002-A

Manual Integrations
APPROVED

mohammad
2/7/2017 3:15:07 PM

Quant Time: Feb 07 02:23:51 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 07 01:19:37 2017
Response via : Initial Calibration





#1

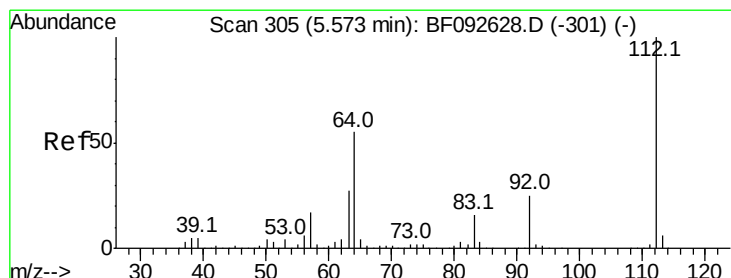
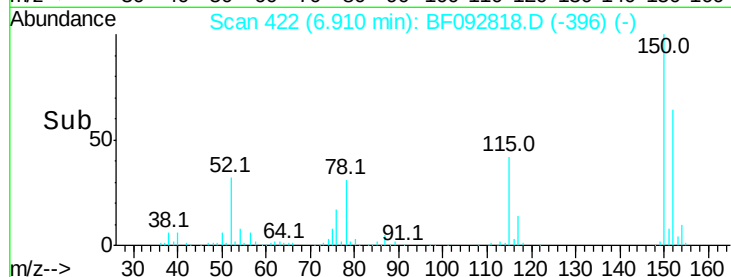
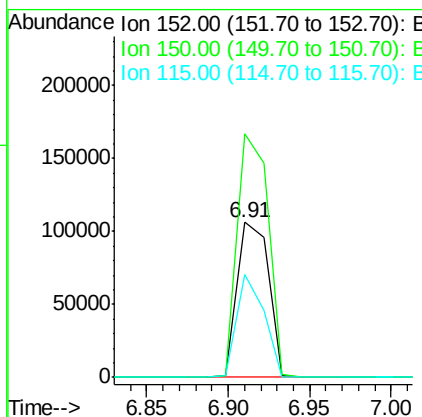
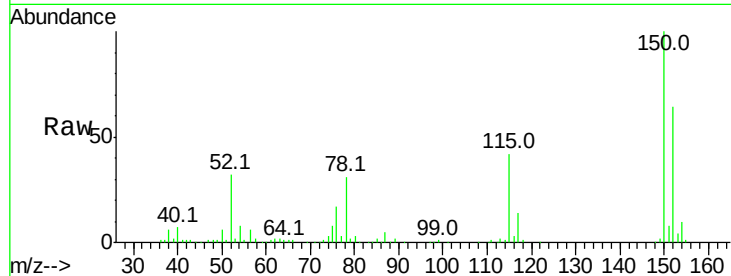
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.91 min Scan# 422
Delta R.T. 0.00 min
Lab File: BF092818.D
Acq: 7 Feb 2017 1:32

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-002-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.3	124.9	187.3
115	66.6	46.0	69.0

Manual Integrations
APPROVED

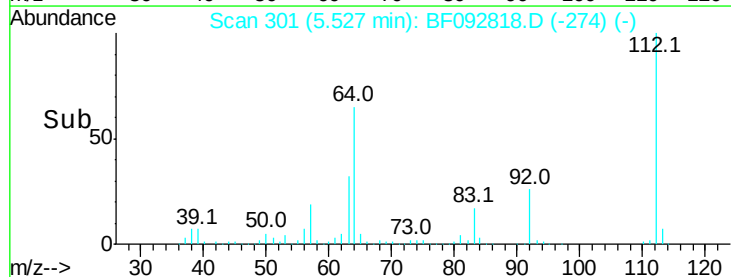
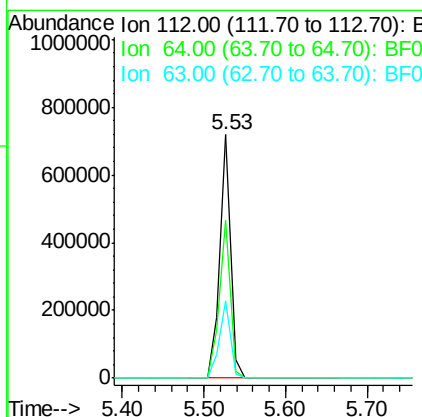
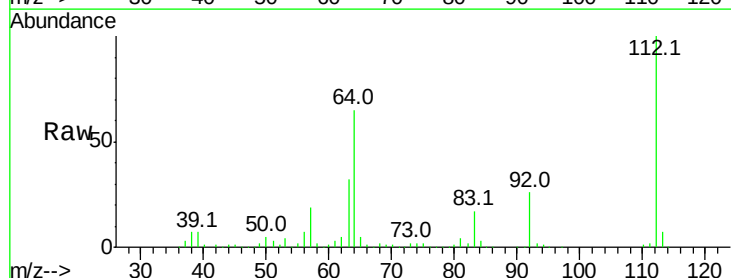
mohammad
2/7/2017 3:15:07 PM

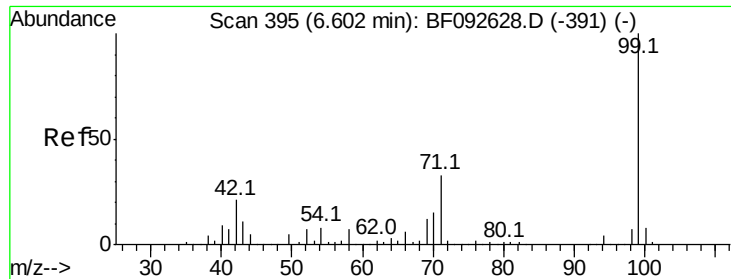


#5

2-Fluorophenol
Concen: 80.84 ng
RT: 5.53 min Scan# 301
Delta R.T. 0.01 min
Lab File: BF092818.D
Acq: 7 Feb 2017 1:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.7	46.1	69.1
63	31.8	23.8	35.6





#7

Phenol-d6

Concen: 150.90 ng

RT: 6.57 min Scan# 392

Delta R.T. 0.01 min

Lab File: BF092818.D

Acq: 7 Feb 2017 1:32

Instrument :

BNA_F

ClientSampleId :

FK-SF-01-002-A

Tot Ion: 99 Resp: 1583958

Ion Ratio Lower Upper

99 100

42 16.2 15.6 23.4

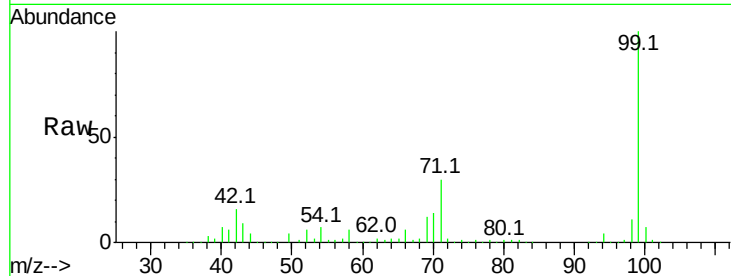
71 29.8 27.5 41.3

Manual Integrations

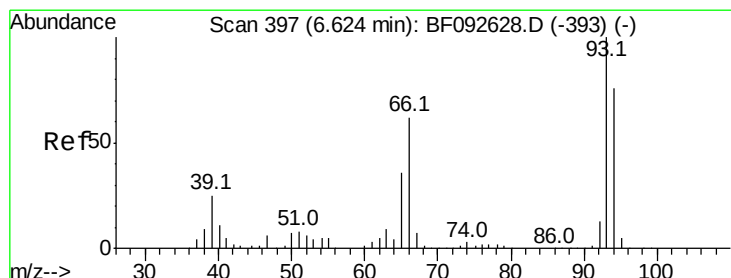
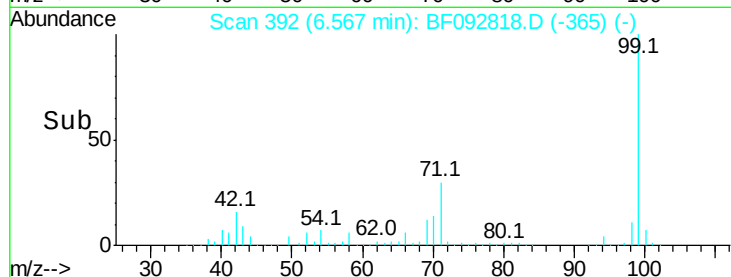
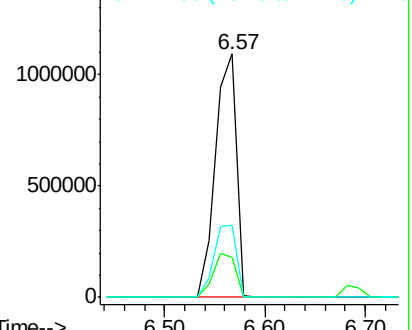
APPROVED

mohammad

2/7/2017 3:15:07 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



#10

Phenol

Concen: 6.75 ng

RT: 6.58 min Scan# 393

Delta R.T. 0.01 min

Lab File: BF092818.D

Acq: 7 Feb 2017 1:32

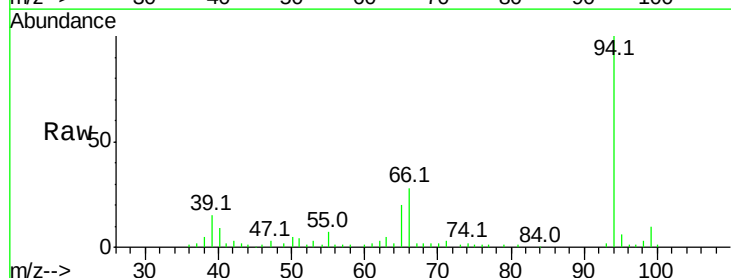
Tgt Ion: 94 Resp: 82943

Ion Ratio Lower Upper

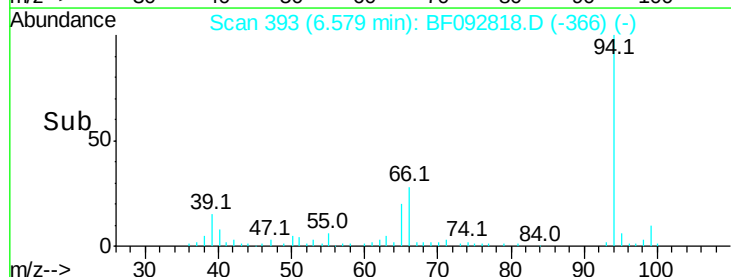
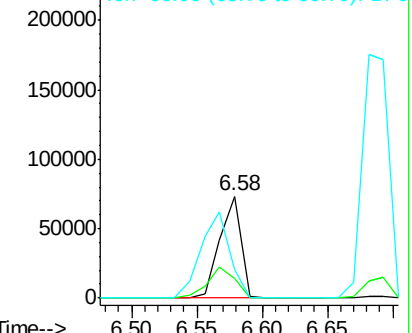
94 100

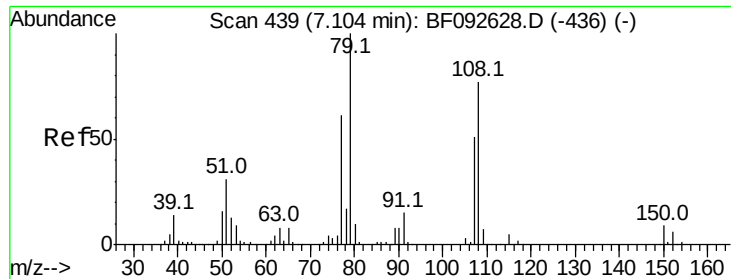
65 19.5 21.4 61.4#

66 27.6 44.0 84.0#



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0





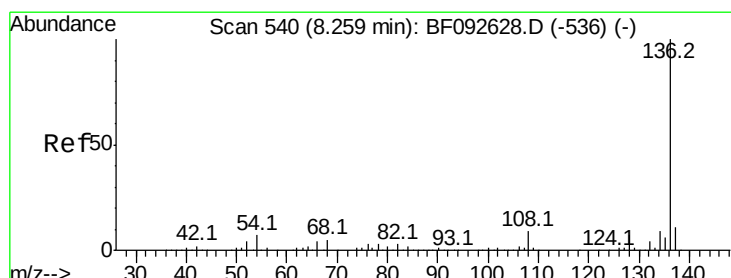
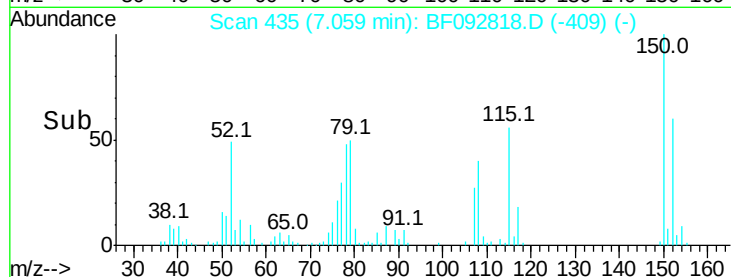
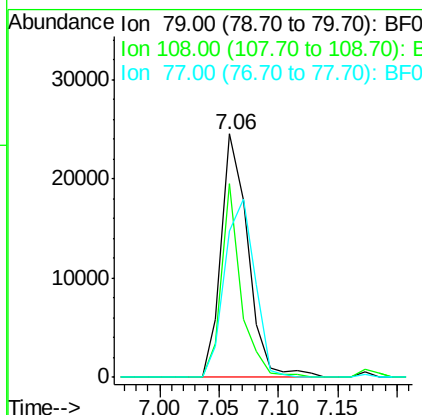
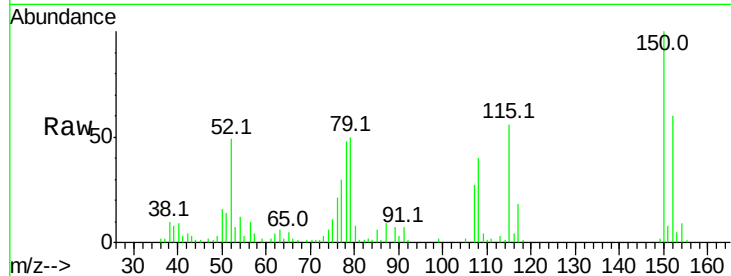
#15
Benzyl Alcohol
Concen: 4.95 ng
RT: 7.06 min Scan# 435
Delta R.T. 0.00 min
Lab File: BF092818.D
Acq: 7 Feb 2017 1:32

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-002-A

Tot Ion	Ratio	Lower	Upper
79	100		
108	79.8	61.4	92.0
77	60.2	50.9	76.3

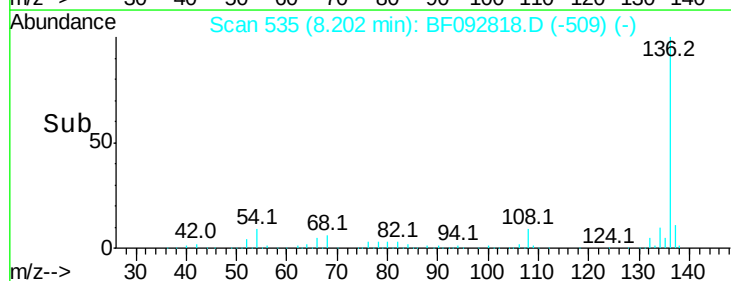
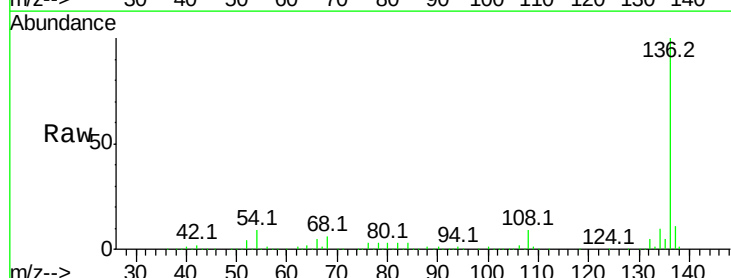
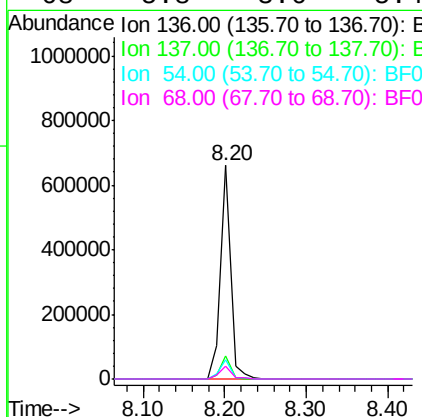
Manual Integrations
APPROVED

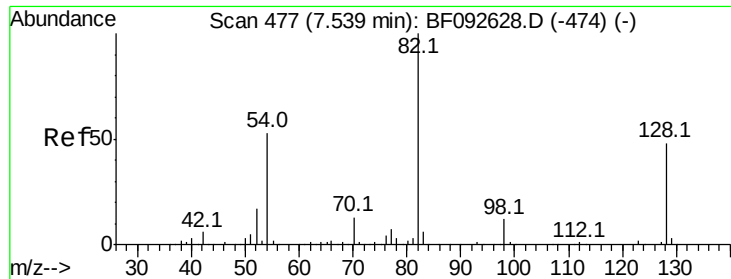
mohammad
2/7/2017 3:15:07 PM



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.20 min Scan# 535
Delta R.T. 0.00 min
Lab File: BF092818.D
Acq: 7 Feb 2017 1:32

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.4	12.6
54	8.8	4.5	6.7#
68	5.8	3.6	5.4#





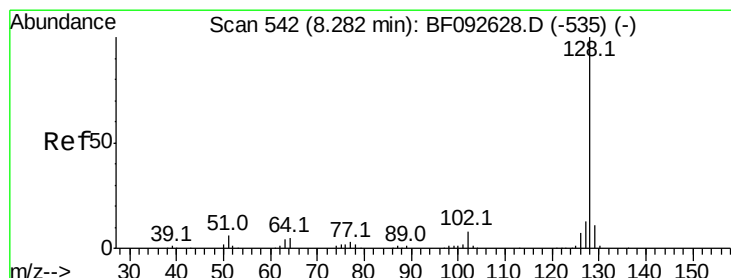
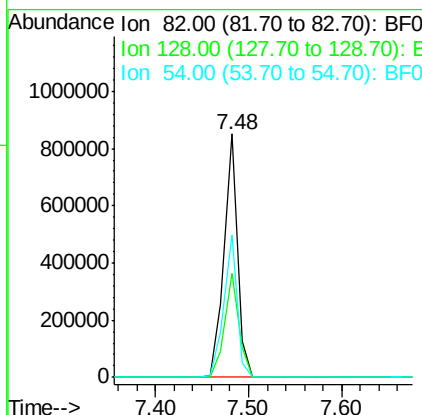
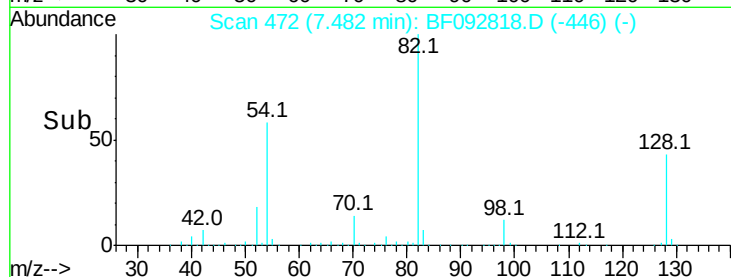
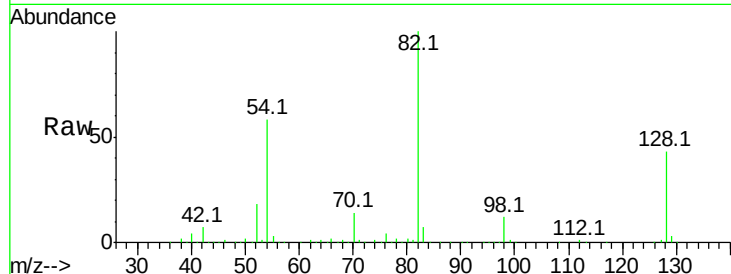
#23
 Nitrobenzene-d5
 Concen: 84.03 ng
 RT: 7.48 min Scan# 472
 Delta R.T. 0.00 min
 Lab File: BF092818.D
 Acq: 7 Feb 2017 1:32

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-01-002-A

Tot Ion	Ratio	Lower	Upper
82	100		
128	42.6	34.6	52.0
54	58.5	39.5	59.3

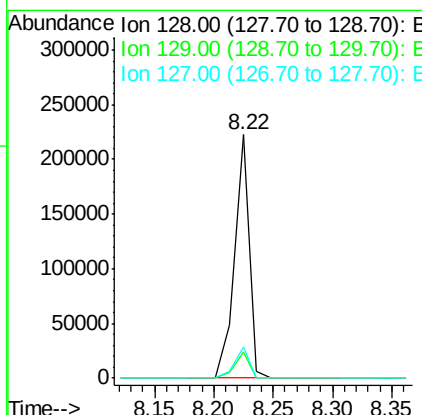
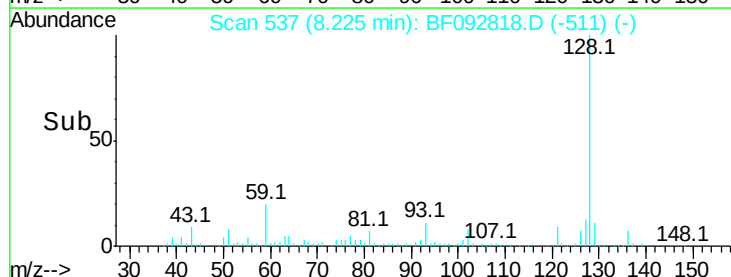
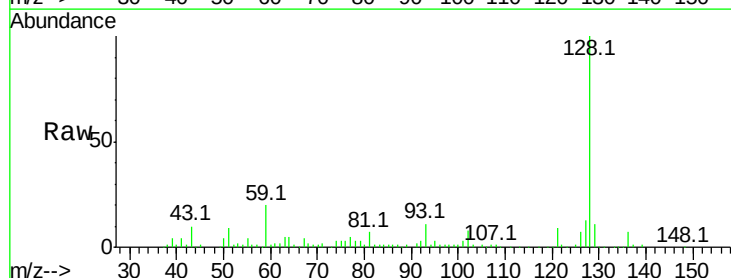
Manual Integrations
 APPROVED

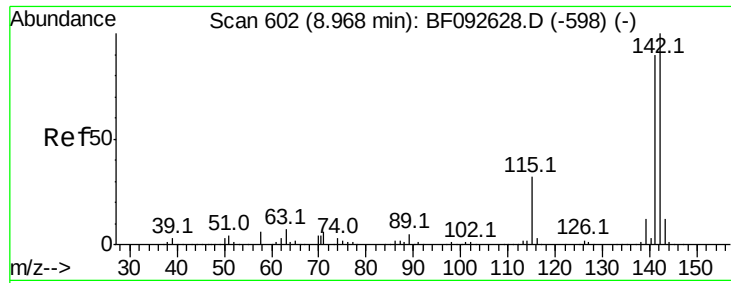
mohammad
 2/7/2017 3:15:07 PM



#31
 Naphthalene
 Concen: 6.63 ng
 RT: 8.22 min Scan# 537
 Delta R.T. 0.00 min
 Lab File: BF092818.D
 Acq: 7 Feb 2017 1:32

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.5	14.3
127	12.5	10.8	16.2





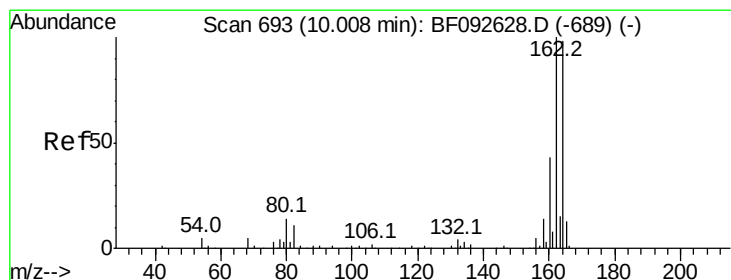
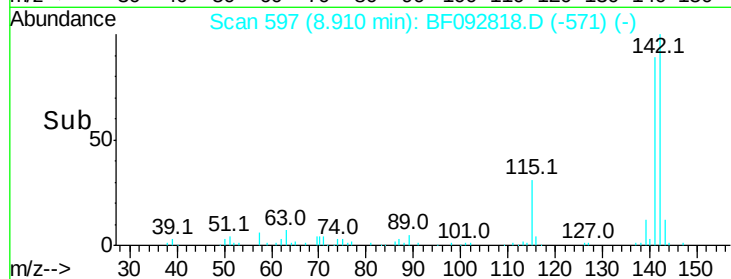
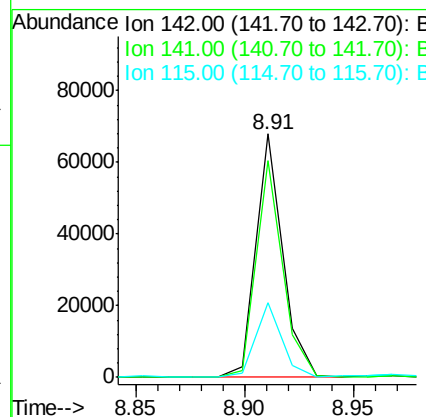
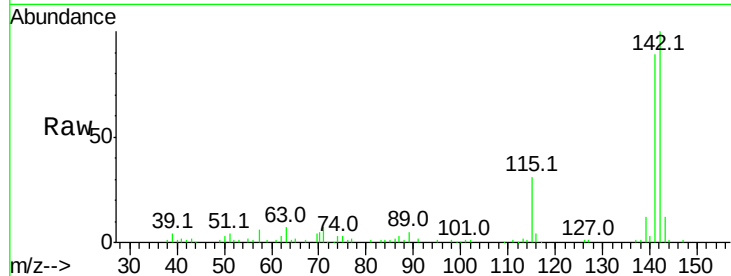
#37
2-Methylnaphthalene
Concen: 3.14 ng
RT: 8.91 min Scan# 597
Delta R.T. 0.00 min
Lab File: BF092818.D
Acq: 7 Feb 2017 1:32

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-002-A

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.9	71.0	106.6
115	30.9	28.3	42.5

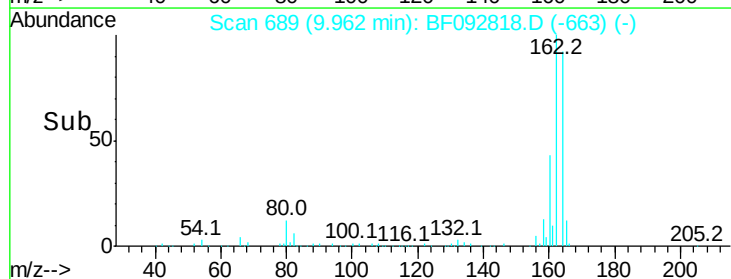
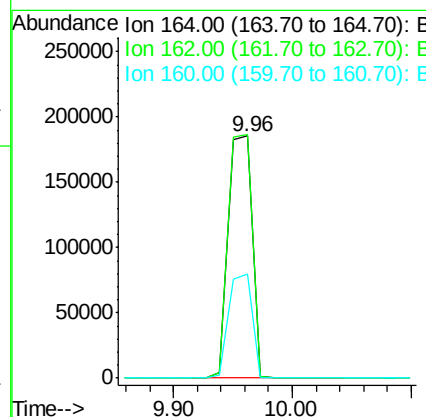
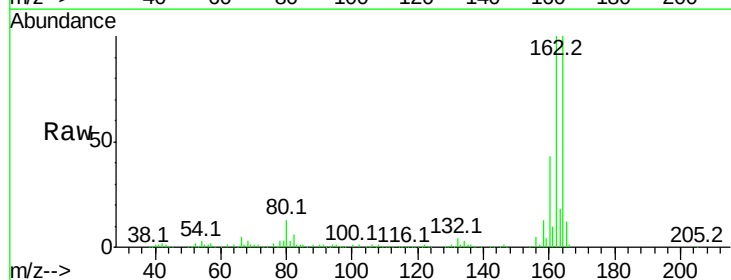
Manual Integrations
APPROVED

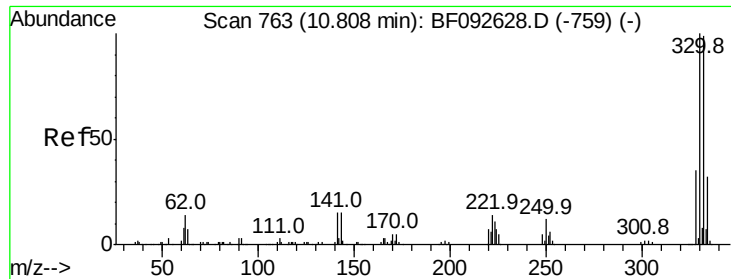
mohammad
2/7/2017 3:15:07 PM



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.96 min Scan# 689
Delta R.T. 0.00 min
Lab File: BF092818.D
Acq: 7 Feb 2017 1:32

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.5	80.2	120.2
160	42.8	36.9	55.3





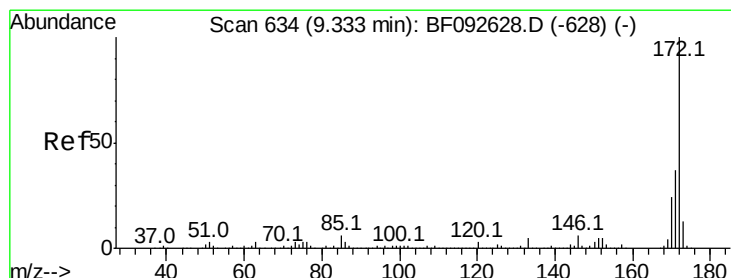
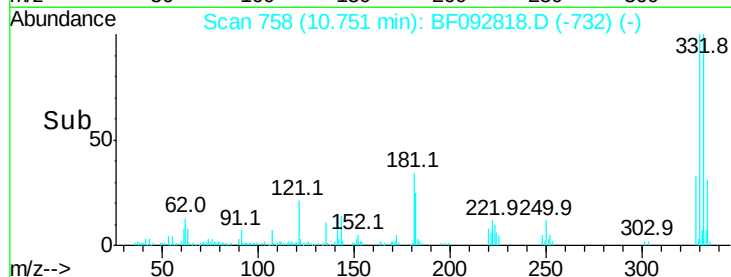
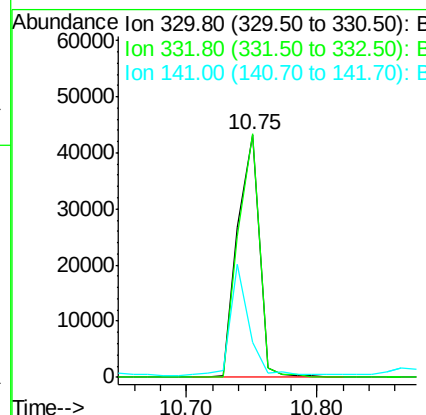
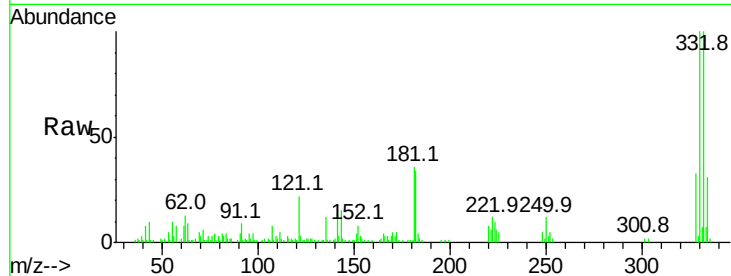
#41
 2,4,6-Tribromophenol
 Concen: 26.97 ng
 RT: 10.75 min Scan# 758
 Delta R.T. 0.00 min
 Lab File: BF092818.D
 Acq: 7 Feb 2017 1:32

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-01-002-A

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.3		77.4	116.2
141	38.6		34.1	51.1

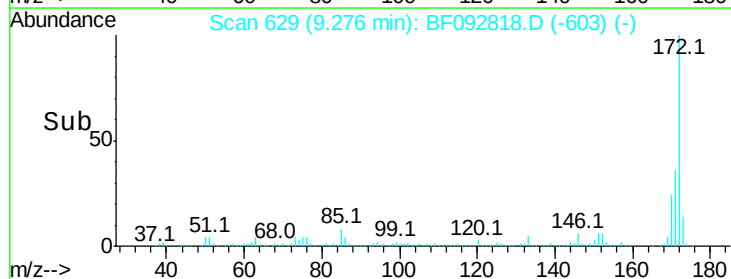
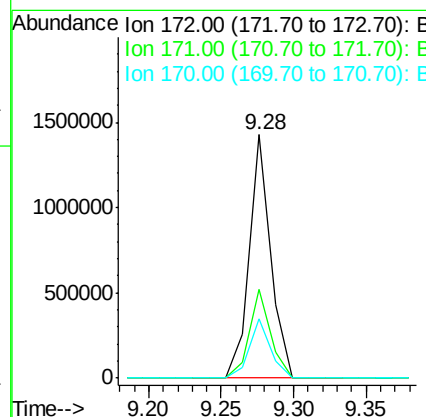
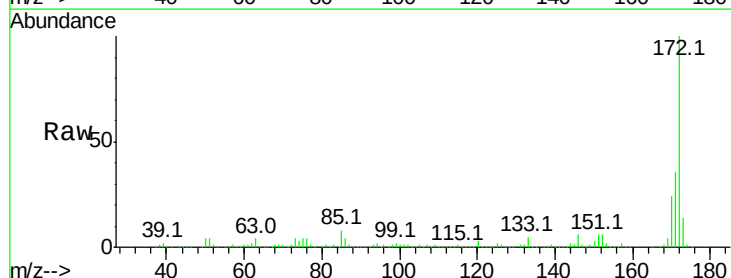
Manual Integrations
 APPROVED

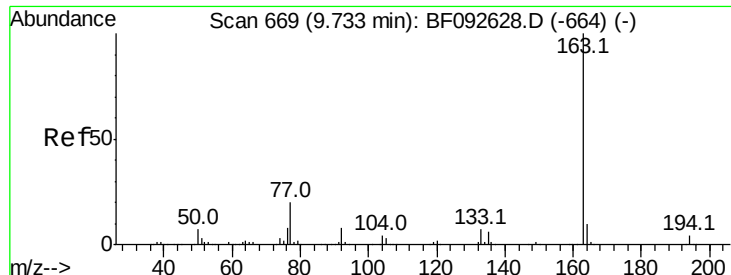
mohammad
 2/7/2017 3:15:07 PM



#44
 2-Fluorobiphenyl
 Concen: 102.89 ng
 RT: 9.28 min Scan# 629
 Delta R.T. 0.00 min
 Lab File: BF092818.D
 Acq: 7 Feb 2017 1:32

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.4		29.4	44.0
170	24.4		20.2	30.4





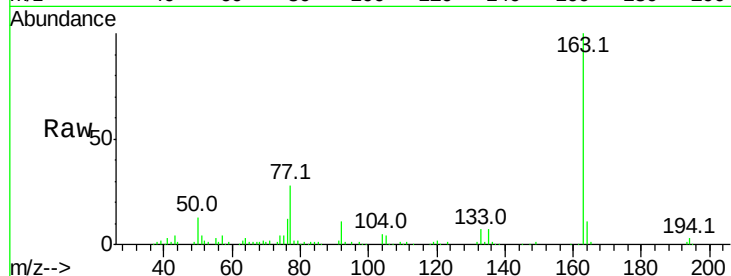
#49
Dimethylphthalate
Concen: 10.06 ng
RT: 9.66 min Scan# 663
Delta R.T. -0.02 min
Lab File: BF092818.D
Acq: 7 Feb 2017 1:32

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-002-A

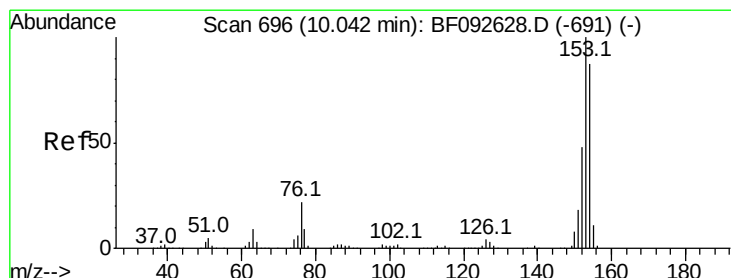
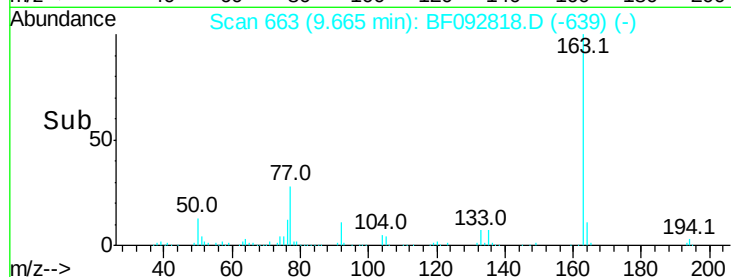
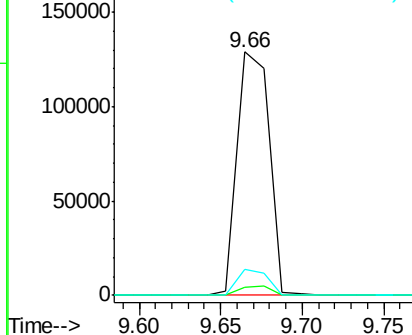
Tot Ion	Ratio	Resp	Lower	Upper
163	100	174616		
194	3.3		3.0	4.4
164	10.6		8.0	12.0

Manual Integrations
APPROVED

mohammad
2/7/2017 3:15:07 PM

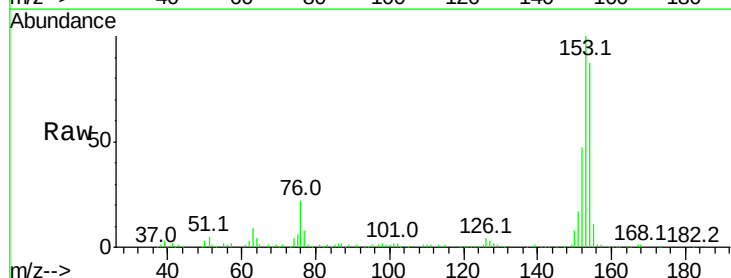


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

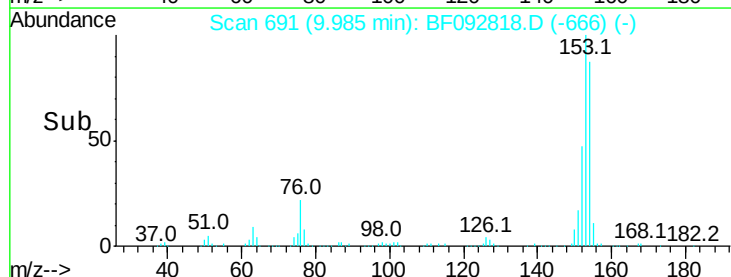
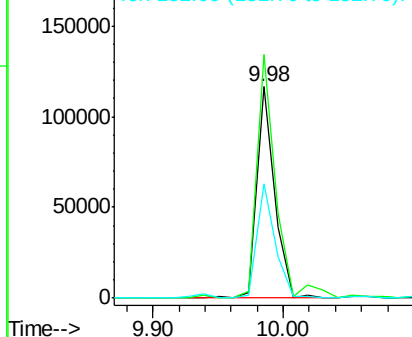


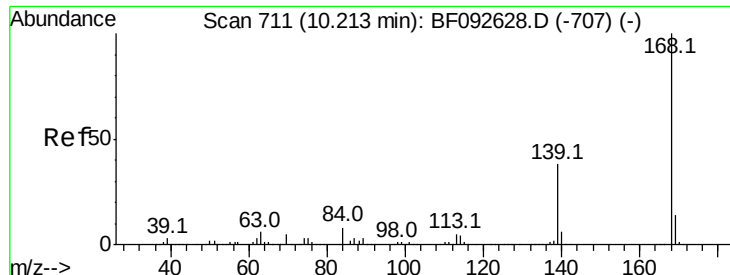
#51
Acenaphthene
Concen: 7.40 ng
RT: 9.98 min Scan# 691
Delta R.T. -0.01 min
Lab File: BF092818.D
Acq: 7 Feb 2017 1:32

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	111512		
153	115.4		88.6	133.0
152	54.0		41.6	62.4



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





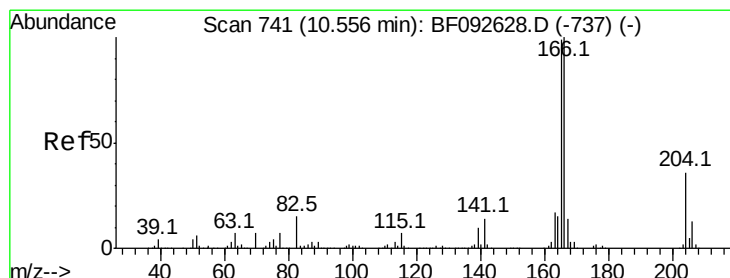
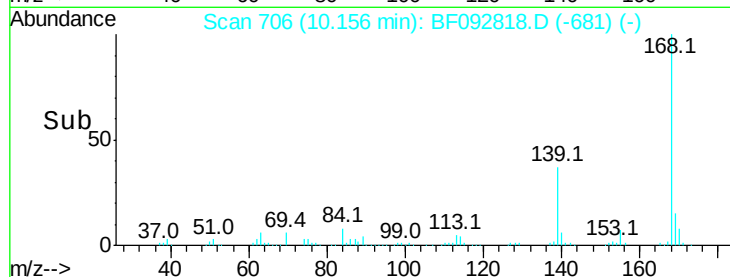
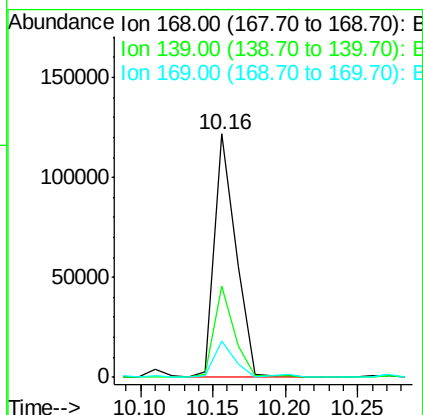
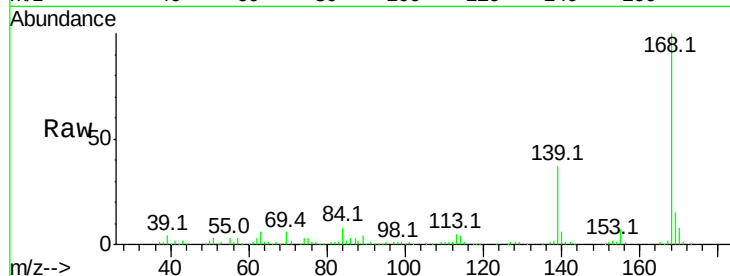
#54
Dibenzenofuran
Concen: 6.23 ng
RT: 10.16 min Scan# 706
Delta R.T. -0.01 min
Lab File: BF092818.D
Acq: 7 Feb 2017 1:32

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-002-A

Tot Ion	Ratio	Resp	Lower	Upper
168	100	125630		
139	37.5		32.6	49.0
169	15.2		11.3	16.9

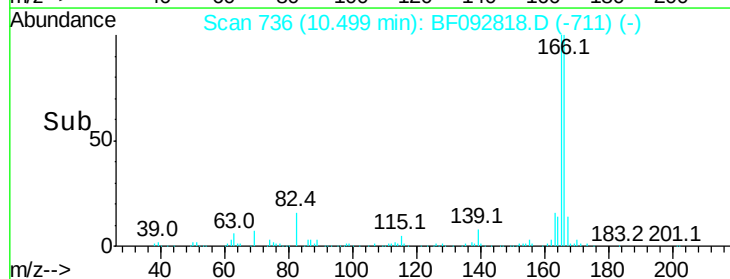
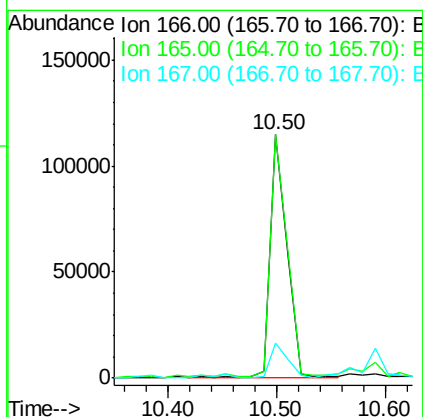
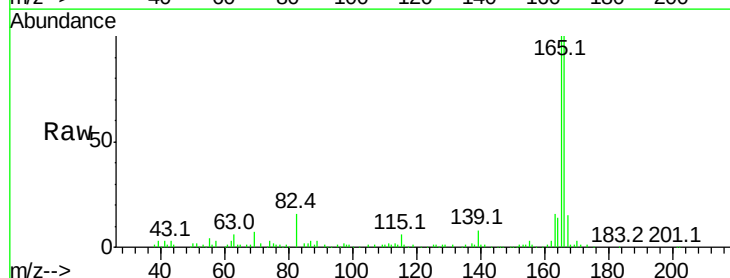
Manual Integrations
APPROVED

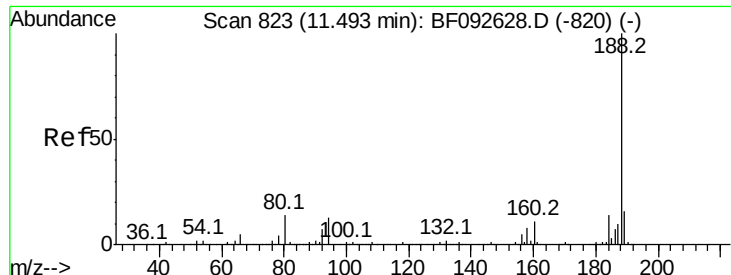
mohammad
2/7/2017 3:15:07 PM



#57
Fluorene
Concen: 8.06 ng
RT: 10.50 min Scan# 736
Delta R.T. -0.01 min
Lab File: BF092818.D
Acq: 7 Feb 2017 1:32

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	124936		
165	100.0		77.8	116.8
167	14.6		10.8	16.2





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.45 min Scan# 819

Delta R.T. 0.00 min

Lab File: BF092818.D

Acq: 7 Feb 2017 1:32

Instrument :

BNA_F

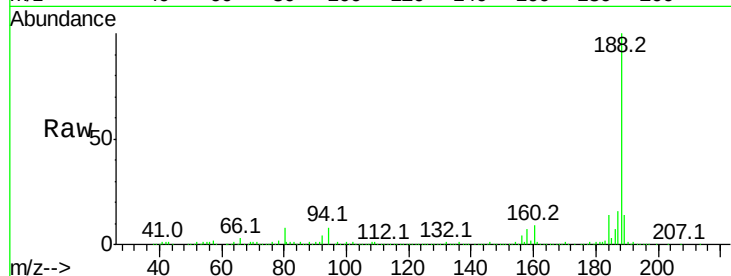
ClientSampleId :

FK-SF-01-002-A

Tot Ion:	188	Resp:	371744
Ion Ratio	Lower	Upper	
188	100		
94	8.1	10.0	15.0#
80	8.2	11.2	16.8#

Manual Integrations
APPROVED

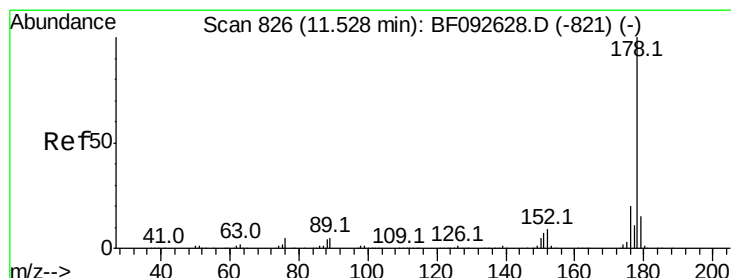
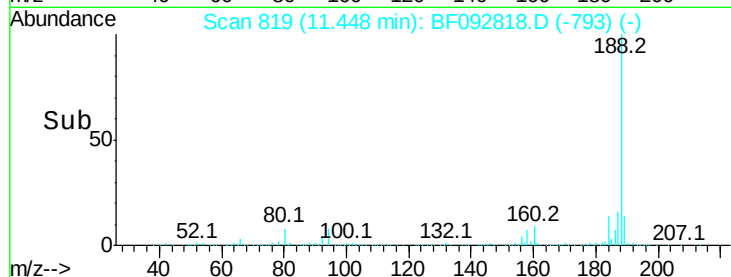
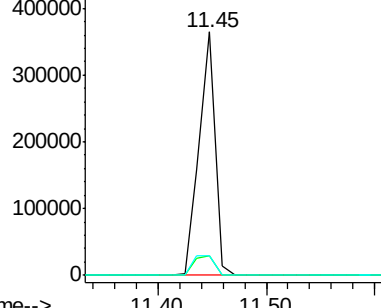
mohammad
2/7/2017 3:15:07 PM



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: 38.82 ng

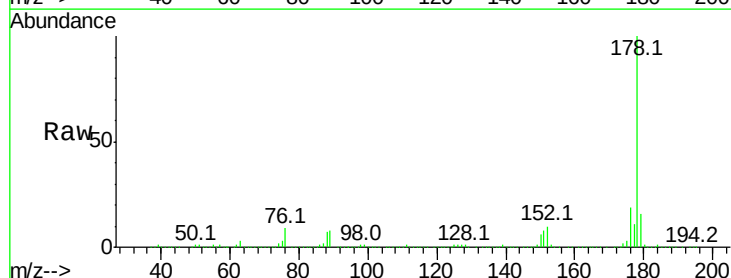
RT: 11.47 min Scan# 821

Delta R.T. 0.00 min

Lab File: BF092818.D

Acq: 7 Feb 2017 1:32

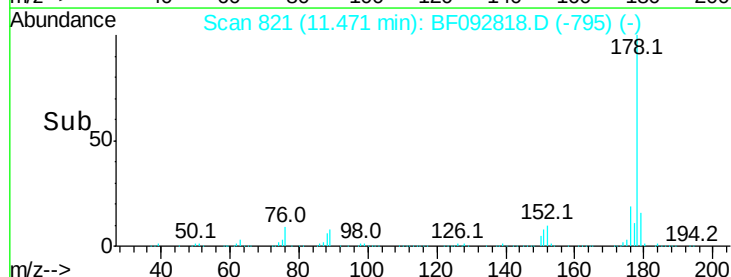
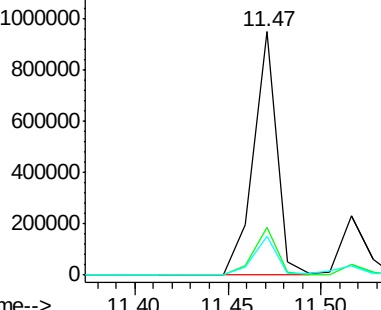
Tgt Ion:	178	Resp:	826819
Ion Ratio	Lower	Upper	
178	100		
176	19.5	16.6	25.0
179	15.8	12.8	19.2

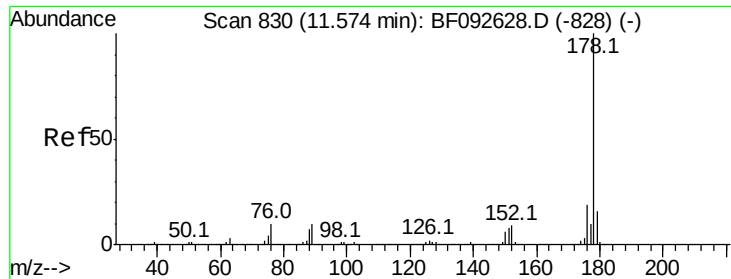


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





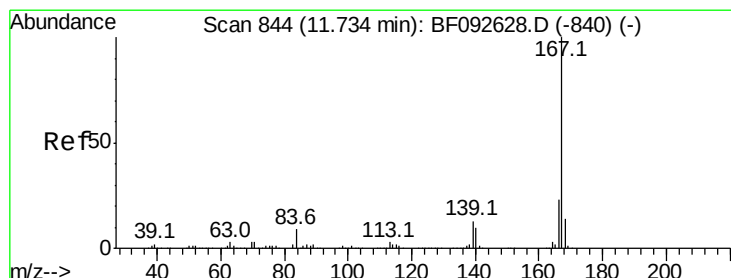
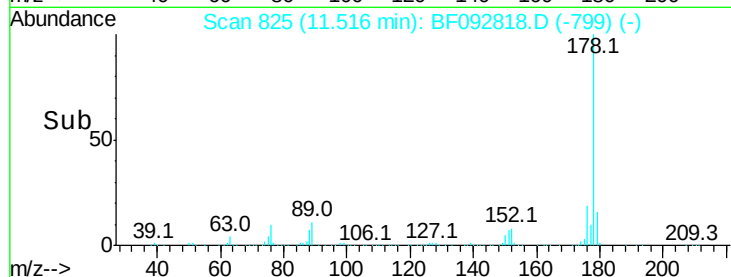
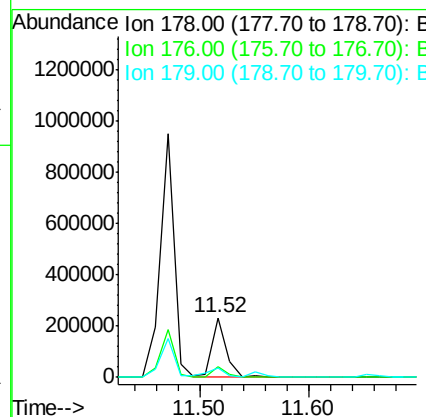
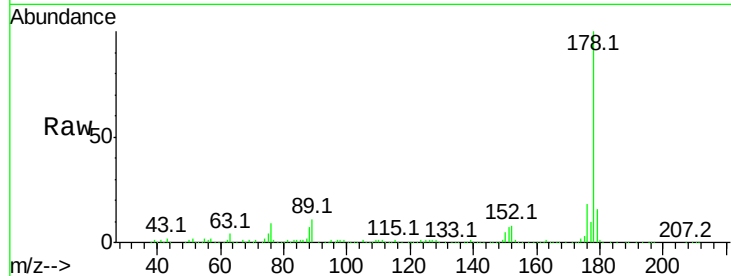
#71
 Anthracene
 Concen: 10.32 ng
 RT: 11.52 min Scan# 825
 Delta R.T. 0.00 min
 Lab File: BF092818.D
 Acq: 7 Feb 2017 1:32

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-01-002-A

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.9	23.9
179	16.0	13.2	19.8

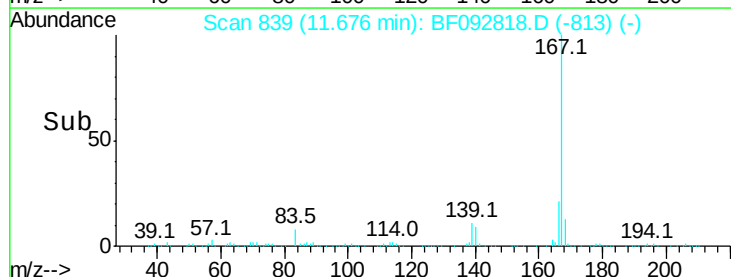
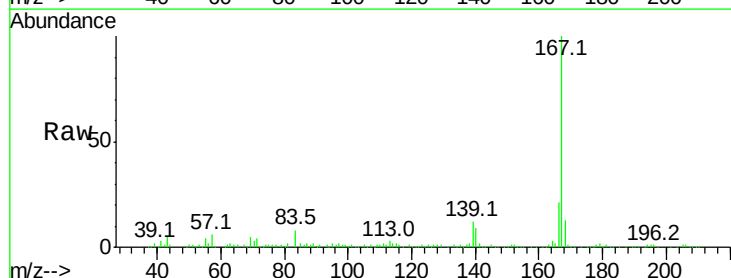
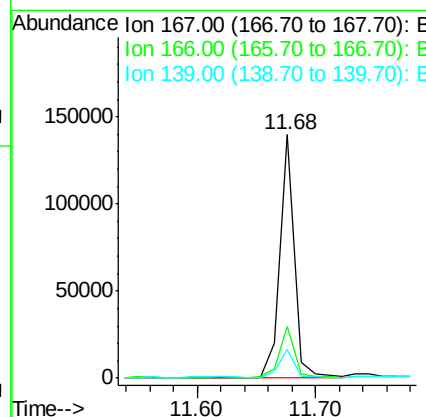
Manual Integrations
 APPROVED

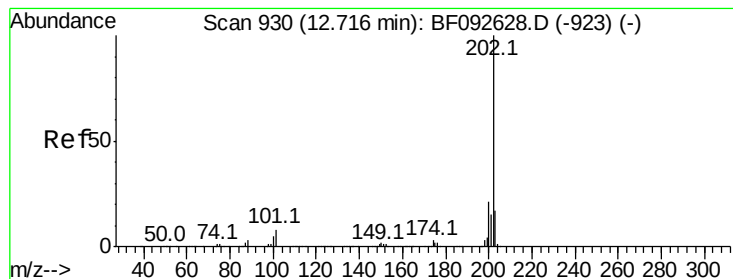
mohammad
 2/7/2017 3:15:07 PM



#72
 Carbazole
 Concen: 5.91 ng
 RT: 11.68 min Scan# 839
 Delta R.T. 0.00 min
 Lab File: BF092818.D
 Acq: 7 Feb 2017 1:32

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.3	18.2	27.2
139	11.6	11.4	17.2





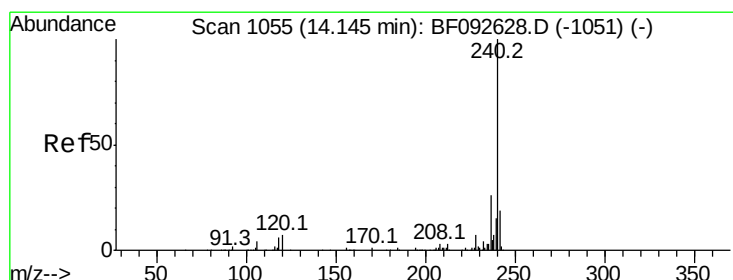
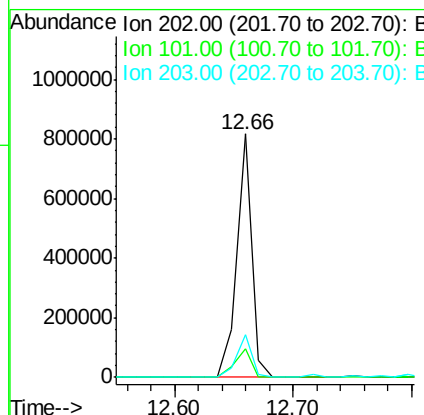
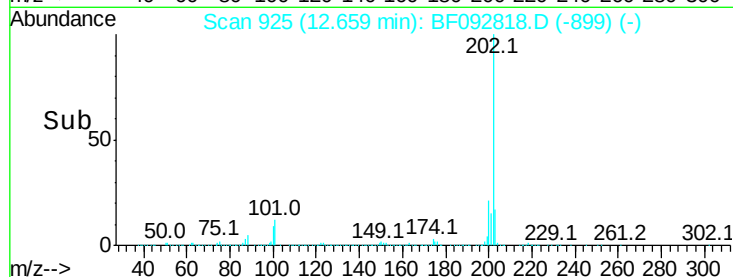
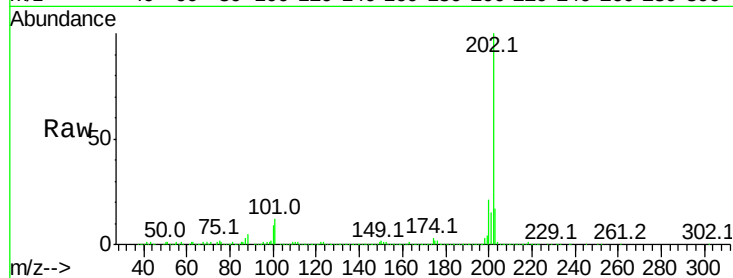
#74
 Fluoranthene
 Concen: 32.46 ng
 RT: 12.66 min Scan# 925
 Delta R.T. 0.00 min
 Lab File: BF092818.D
 Acq: 7 Feb 2017 1:32

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-01-002-A

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.8	0.0	34.6
203	17.4	0.0	38.7

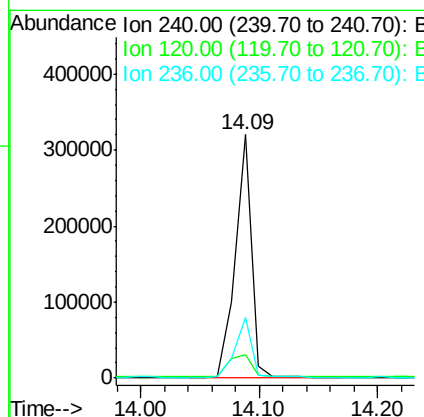
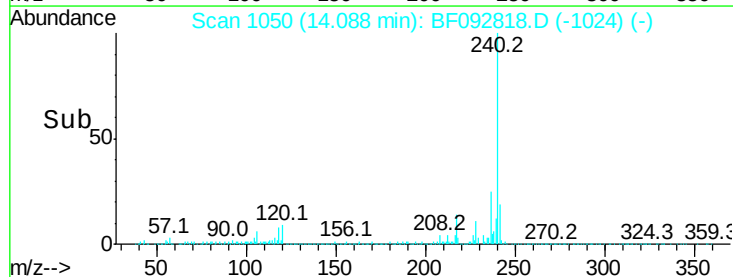
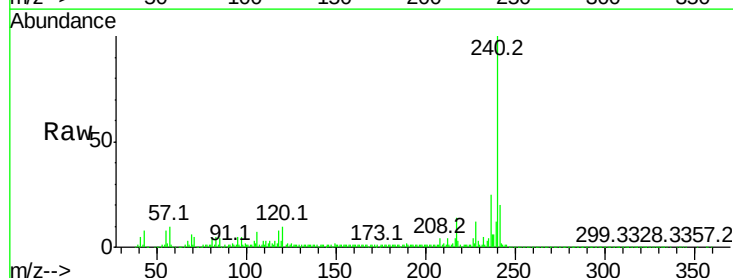
Manual Integrations
 APPROVED

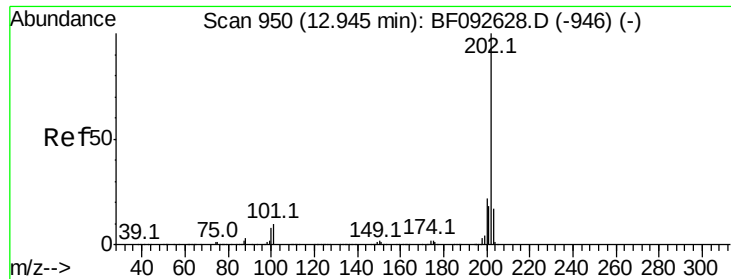
mohammad
 2/7/2017 3:15:07 PM



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.09 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: BF092818.D
 Acq: 7 Feb 2017 1:32

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	9.7	12.9	19.3#
236	24.9	20.9	31.3





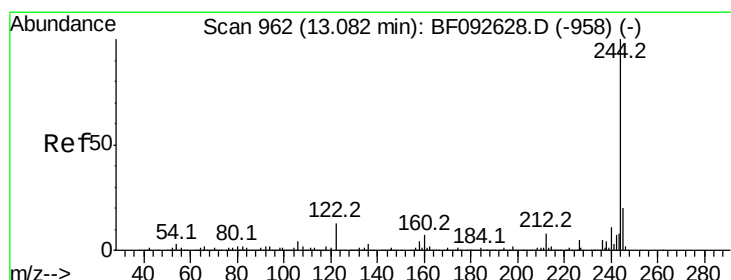
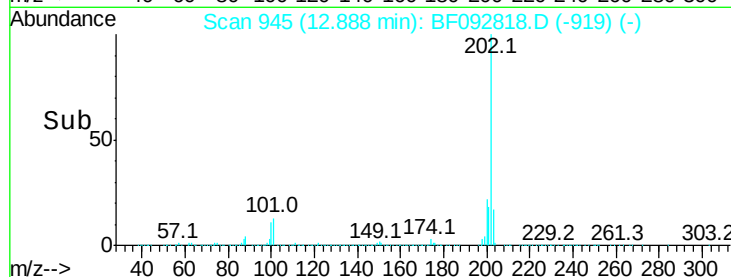
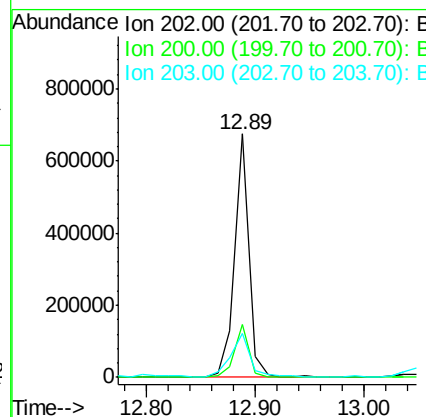
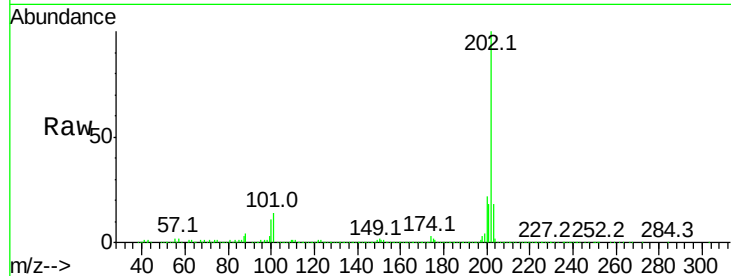
#77
Pvrene
Concen: 26.62 ng
RT: 12.89 min Scan# 945
Delta R.T. 0.00 min
Lab File: BF092818.D
Acq: 7 Feb 2017 1:32

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-002-A

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.7	26.5
203	17.9	14.7	22.1

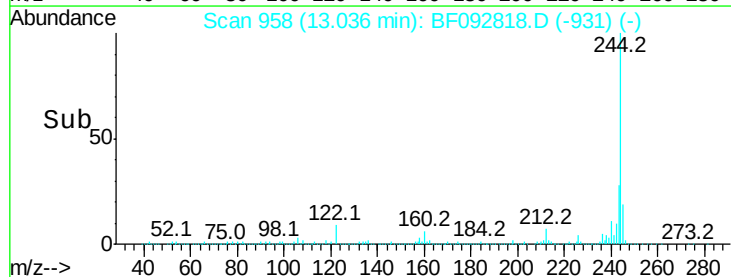
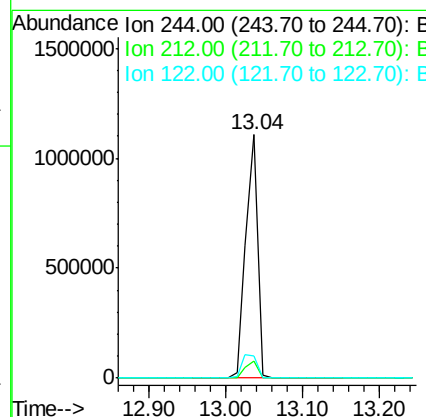
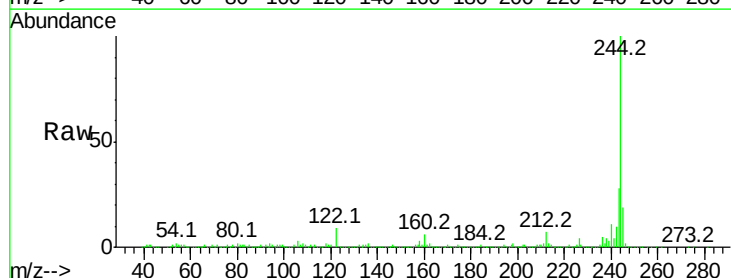
Manual Integrations
APPROVED

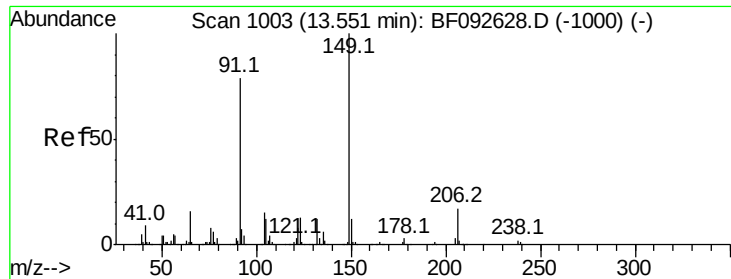
mohammad
2/7/2017 3:15:07 PM



#78
Terphenyl-d14
Concen: 93.86 ng
RT: 13.04 min Scan# 958
Delta R.T. 0.01 min
Lab File: BF092818.D
Acq: 7 Feb 2017 1:32

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.2	9.2
122	9.1	11.4	17.2#





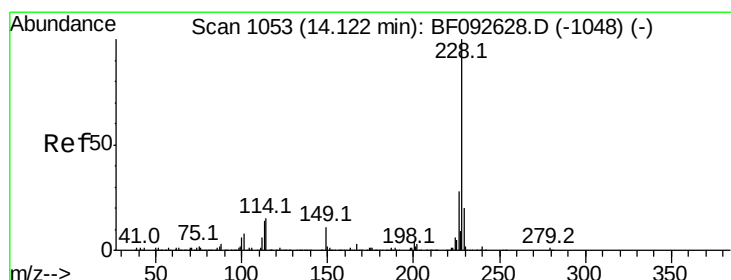
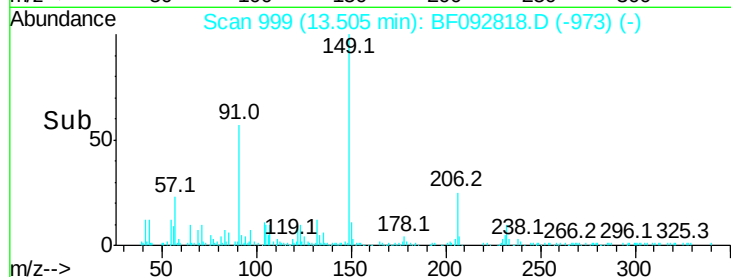
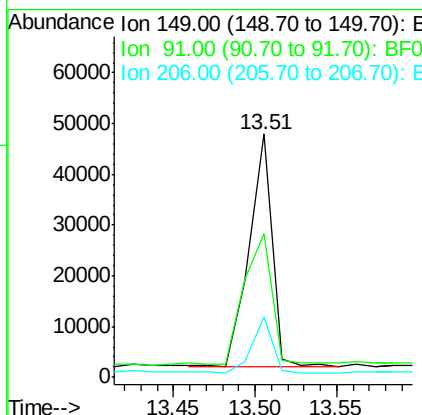
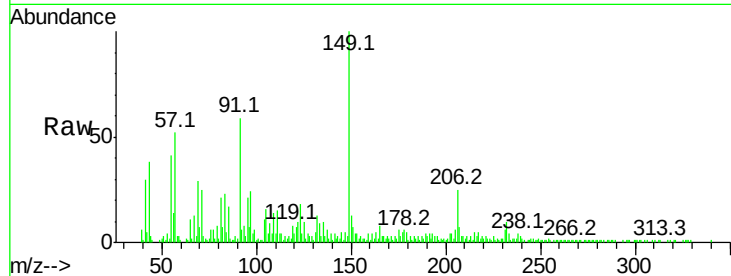
#79
Butylbenzylphthalate
Concen: 4.90 ng
RT: 13.51 min Scan# 999
Delta R.T. 0.00 min
Lab File: BF092818.D
Acq: 7 Feb 2017 1:32

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-002-A

Tot Ion	Ratio	Resp	Lower	Upper
149	100	45187		
91	59.3		63.9	95.9#
206	24.9		14.6	21.8#

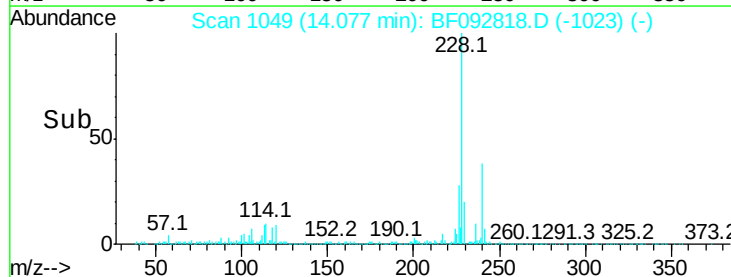
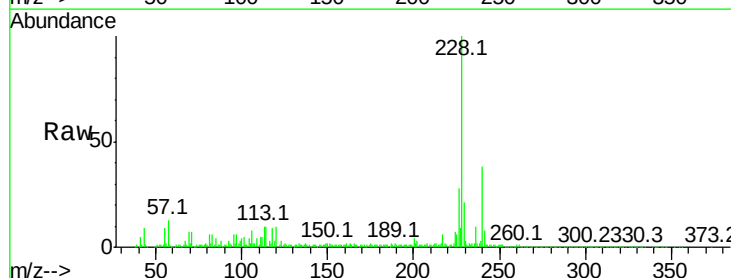
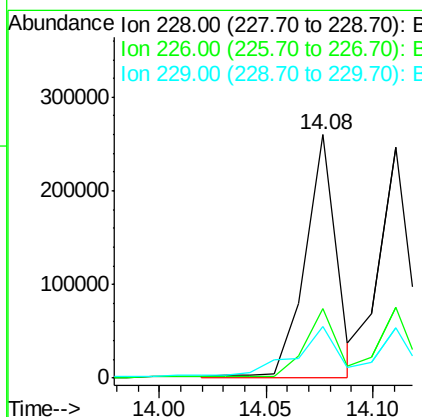
Manual Integrations
APPROVED

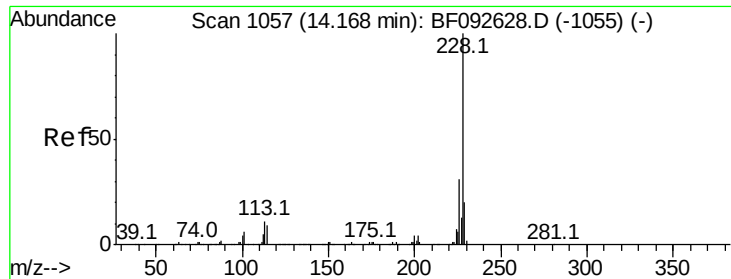
mohammad
2/7/2017 3:15:07 PM



#80
Benzo(a)anthracene
Concen: 14.33 ng m
RT: 14.08 min Scan# 1049
Delta R.T. 0.00 min
Lab File: BF092818.D
Acq: 7 Feb 2017 1:32

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	265789		
226	28.5		22.4	33.6
229	21.4		16.2	24.4





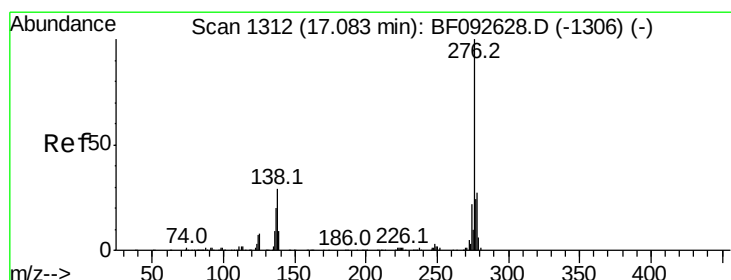
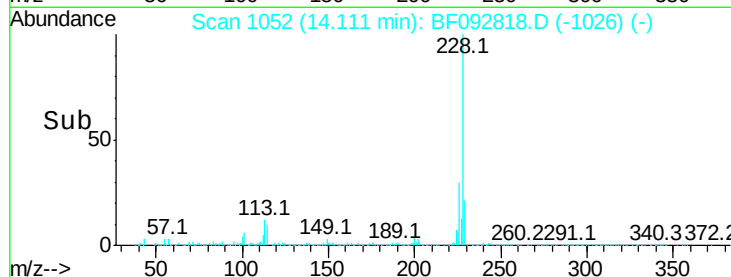
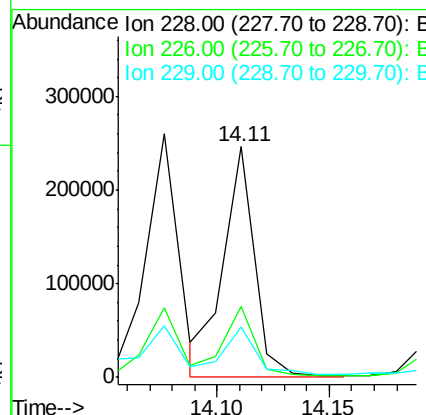
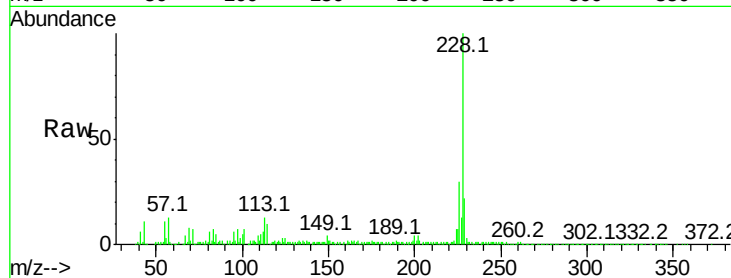
#82
Chrysene
Concen: 13.83 ng/ml
RT: 14.11 min Scan# 1052
Delta R.T. 0.00 min
Lab File: BF092818.D
Acq: 7 Feb 2017 1:32

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-002-A

Tot Ion:	228	Resp:	240030
Ion Ratio	Lower	Upper	
228	100		
226	30.5	25.4	38.0
229	22.0	16.2	24.2

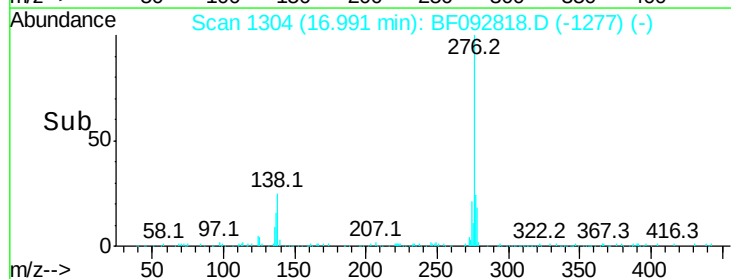
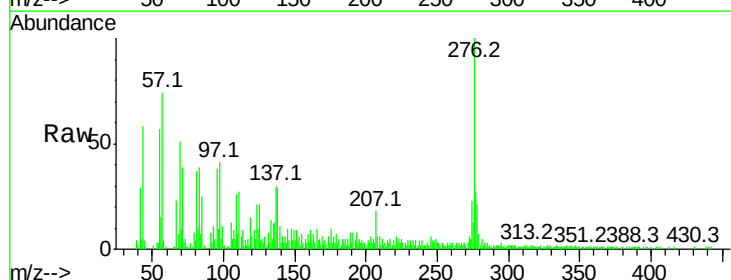
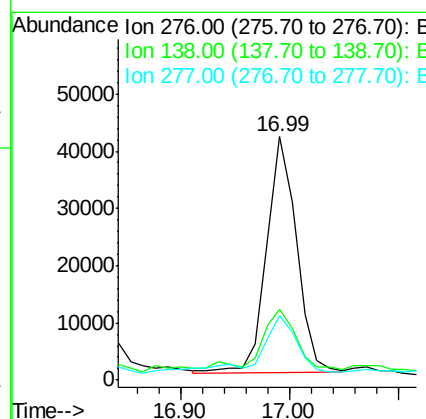
Manual Integrations
APPROVED

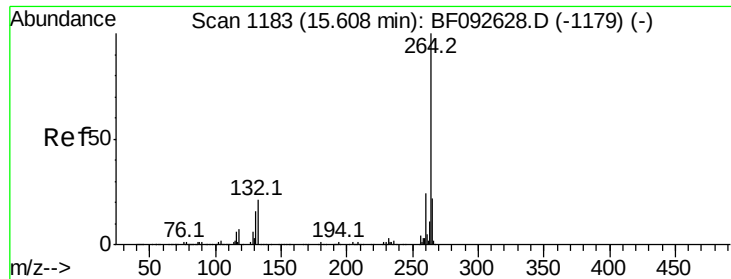
mohammad
2/7/2017 3:15:07 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 5.98 ng/ml
RT: 16.99 min Scan# 1304
Delta R.T. 0.01 min
Lab File: BF092818.D
Acq: 7 Feb 2017 1:32

Tgt Ion:	276	Resp:	80435
Ion Ratio	Lower	Upper	
276	100		
138	29.0	21.8	32.6
277	30.3	20.2	30.4





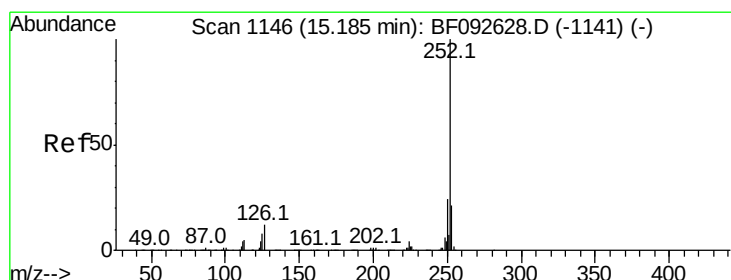
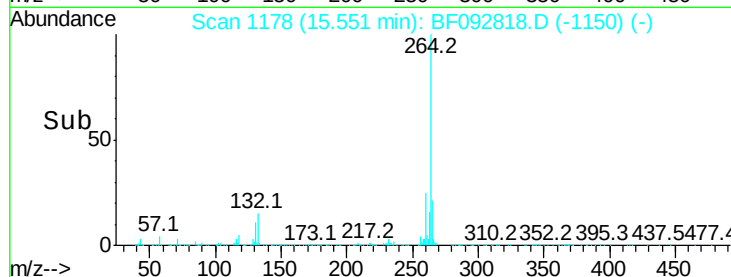
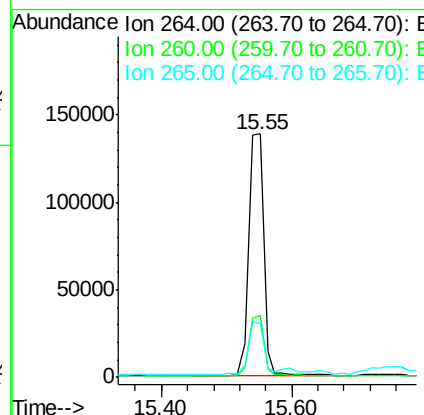
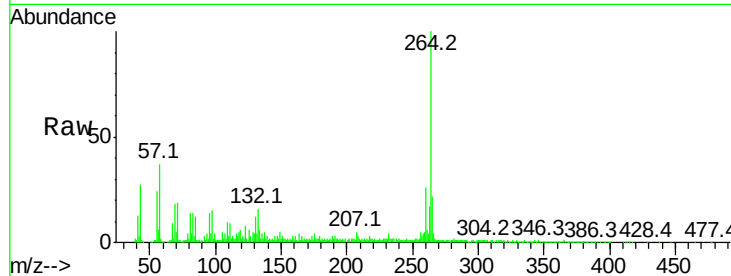
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.55 min Scan# 1178
Delta R.T. 0.02 min
Lab File: BF092818.D
Acq: 7 Feb 2017 1:32

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-002-A

Tot Ion	Ratio	Resp	Lower	Upper
264	100	219531		
260	25.6	19.2	28.8	
265	22.3	17.4	26.0	

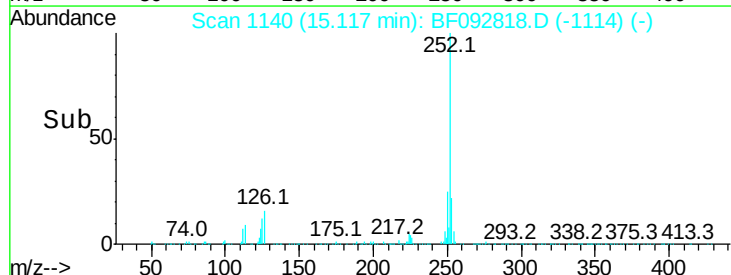
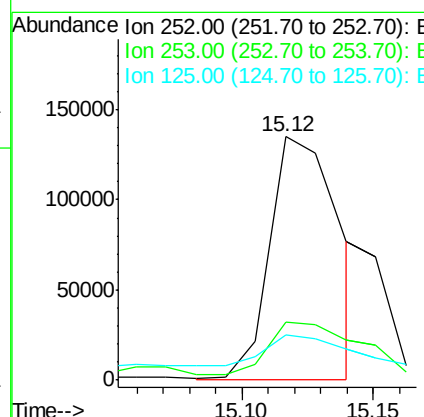
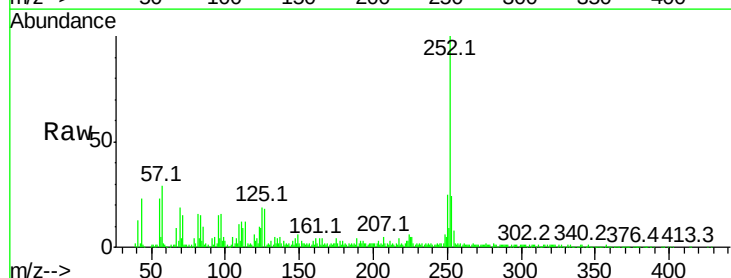
Manual Integrations
APPROVED

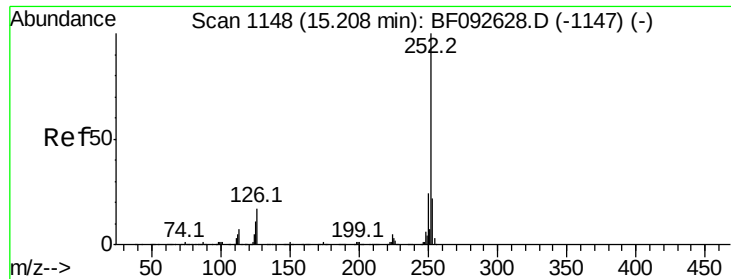
mohammad
2/7/2017 3:15:07 PM



#87
Benzo(b)fluoranthene
Concen: 17.15 ng m
RT: 15.12 min Scan# 1140
Delta R.T. 0.00 min
Lab File: BF092818.D
Acq: 7 Feb 2017 1:32

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	247843		
253	23.7	18.2	27.4	
125	18.7	9.8	14.6	





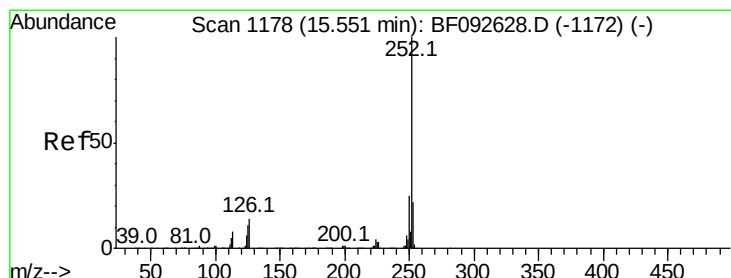
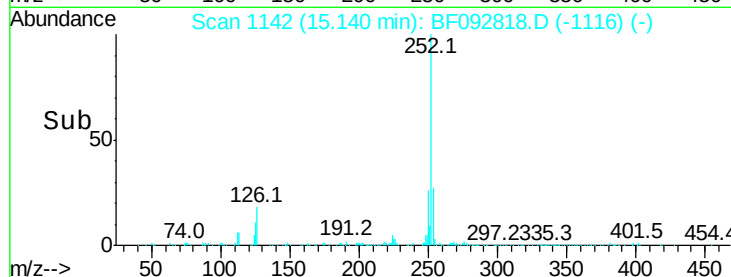
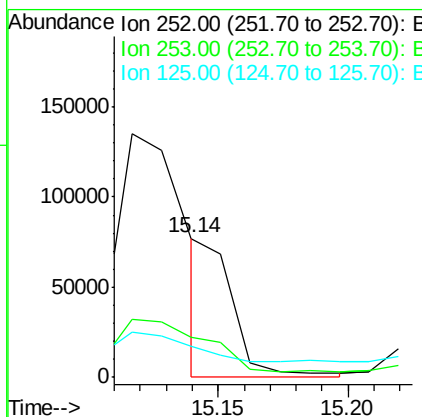
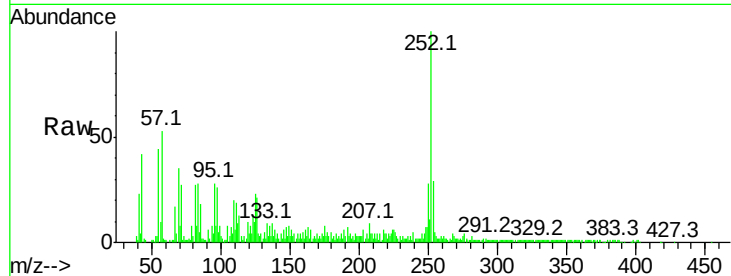
#88
Benzo(k)fluoranthene
Concen: 4.66 ng m
RT: 15.14 min Scan# 1142
Delta R.T. 0.00 min
Lab File: BF092818.D
Acq: 7 Feb 2017 1:32

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-002-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	29.1	18.5	27.7#
125	22.8	8.9	13.3#

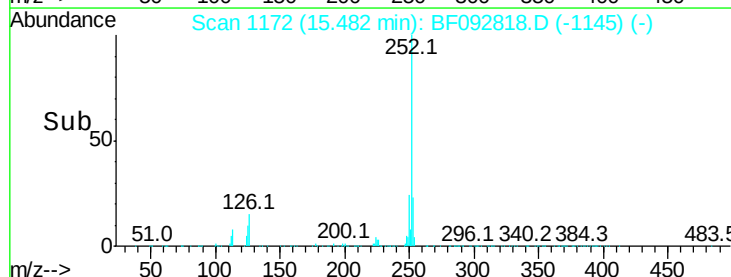
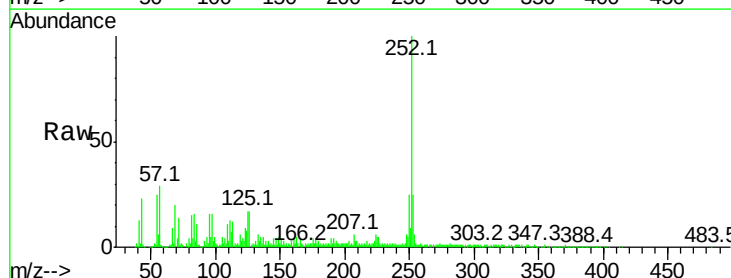
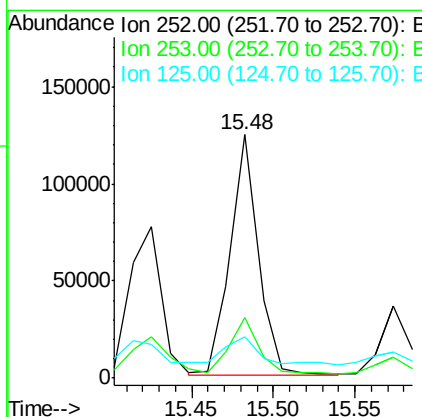
Manual Integrations
APPROVED

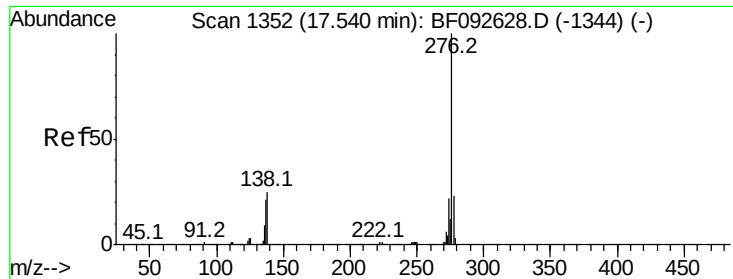
mohammad
2/7/2017 3:15:07 PM



#89
Benzo(a)pyrene
Concen: 11.88 ng
RT: 15.48 min Scan# 1172
Delta R.T. 0.01 min
Lab File: BF092818.D
Acq: 7 Feb 2017 1:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.2	27.2
125	16.7	10.0	15.0#





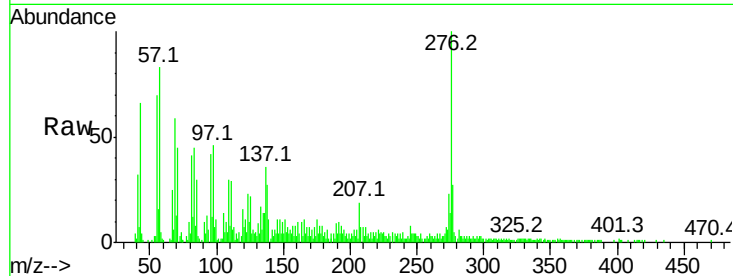
#91
 Benzo(a,h,i)perylene
 Concen: 7.75 ng
 RT: 17.44 min Scan# 1343
 Delta R.T. 0.01 min
 Lab File: BF092818.D
 Acq: 7 Feb 2017 1:32

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-01-002-A

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.4	19.2	28.8
138	27.2	16.0	24.0

Manual Integrations
 APPROVED

mohammad
 2/7/2017 3:15:07 PM



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

