

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030317\
 Data File : BF093392.D
 Acq On : 4 Mar 2017 8:27
 Operator : SJ/MA
 Sample : I2088-03
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-004-B

Manual Integrations
 APPROVED

mohammad
 3/6/2017 4:23:57 PM

Quant Time: Mar 06 00:13:26 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Mar 05 23:55:48 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	197332	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	737049	20.00	ng	-0.01
38) Acenaphthene-d10	9.82	164	333574	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	525088	20.00	ng	-0.01
75) Chrysene-d12	13.94	240	358497	20.00	ng	-0.01
86) Perylene-d12	15.36	264	324361	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	1659191	144.25	ng	0.01
7) Phenol-d6	6.44	99	2248412	151.93	ng	0.00
23) Nitrobenzene-d5	7.36	82	1275651	96.38	ng	0.00
41) 2,4,6-Tribromophenol	10.61	330	305491	126.62	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	2013896	109.38	ng	0.00
78) Terphenyl-d14	12.89	244	1184248	77.62	ng	0.00
Target Compounds						
10) Phenol	6.45	94	137358	7.93	ng	Qvalue # 65
49) Dimethylphthalate	9.54	163	158407	7.05	ng	99
70) Phenanthrene	11.33	178	215068	7.15	ng	96
71) Anthracene	11.38	178	74334	2.46	ng	98
74) Fluoranthene	12.52	202	398313	12.84	ng	92
77) Pyrene	12.74	202	387520	14.44	ng	99
80) Benzo(a)anthracene	13.93	228	174827	7.97	ng	100
82) Chrysene	13.96	228	130048	6.33	ng	98
85) Indeno(1,2,3-cd)pyrene	16.74	276	68114	4.28	ng	96
87) Benzo(b)fluoranthene	14.96	252	154294m	7.23	ng	
88) Benzo(k)fluoranthene	14.97	252	68740m	3.73	ng	
89) Benzo(a)pyrene	15.30	252	130857	7.09	ng	98
91) Benzo(a,h,i)perylene	17.15	276	65699	4.36	ng	# 87

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

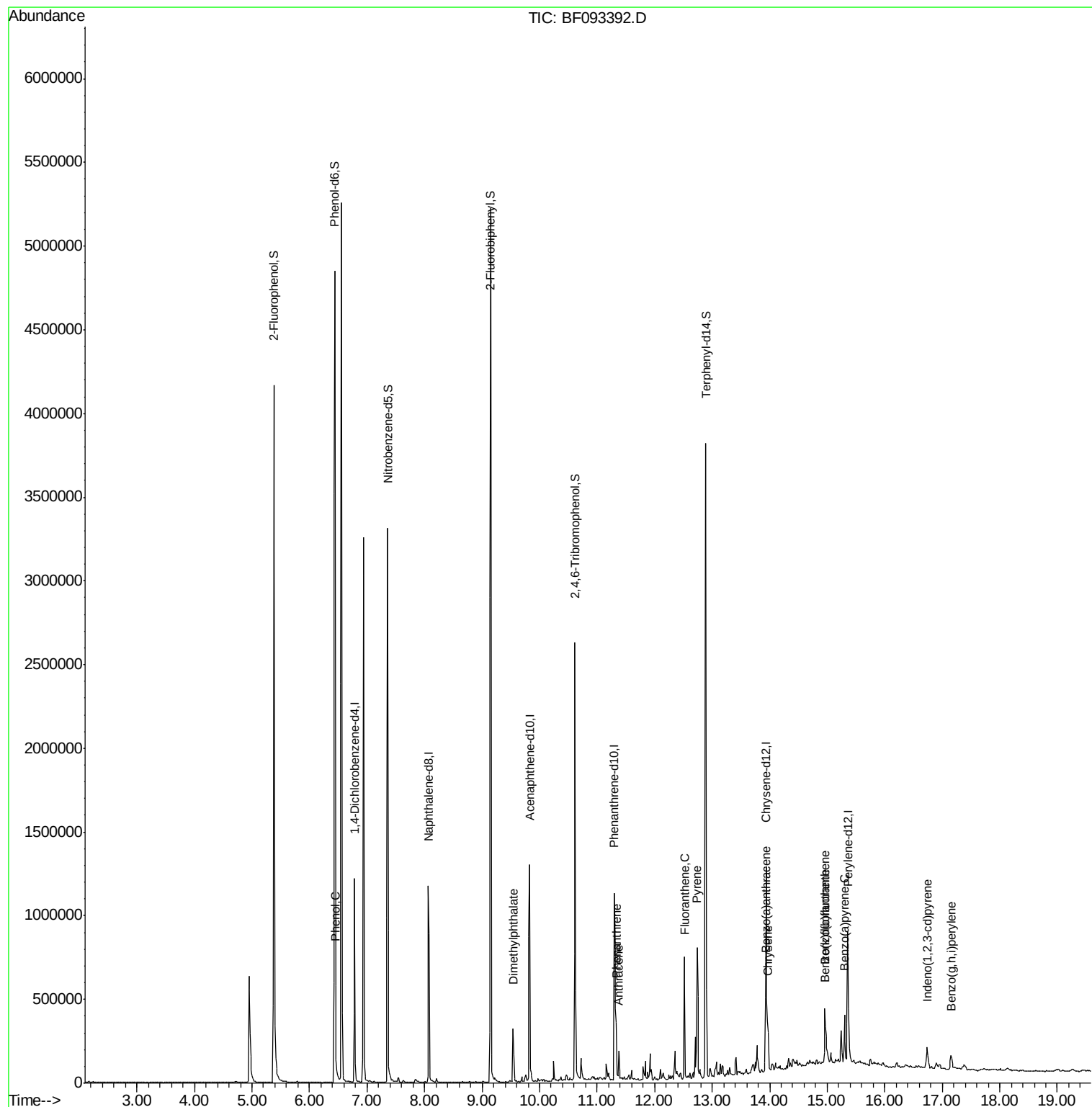
Data Path : Z:\HPCHEM1\BNA F\DATA\BF030317\
Data File : BF093392.D
Acq On : 4 Mar 2017 8:27
Operator : SJ/MA
Sample : I2088-03
Misc :
ALS Vial : 31 Sample Multiplier: 1

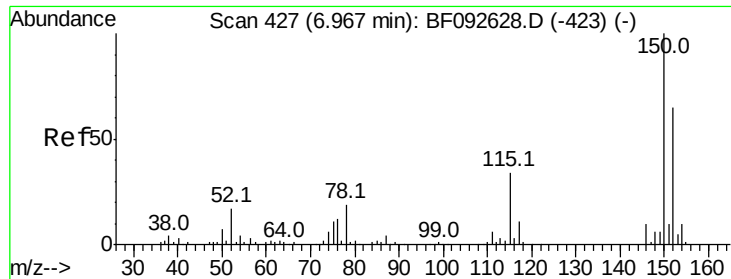
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-004-B

Manual Integrations
APPROVED

mohammad
3/6/2017 4:23:57 PM

Quant Time: Mar 06 00:13:26 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Mar 05 23:55:48 2017
Response via : Initial Calibration





#1

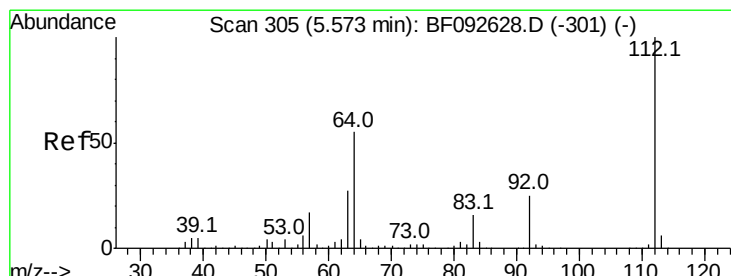
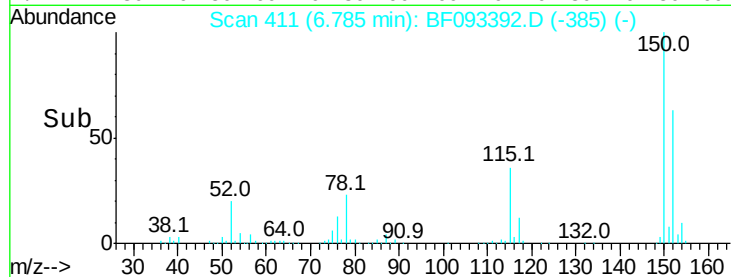
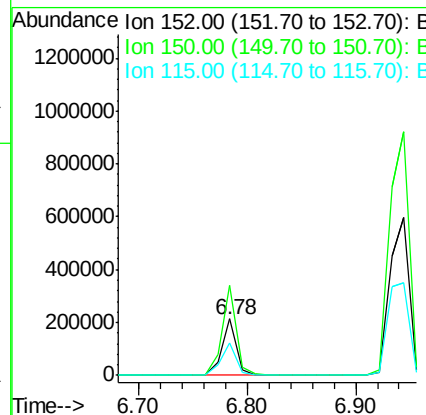
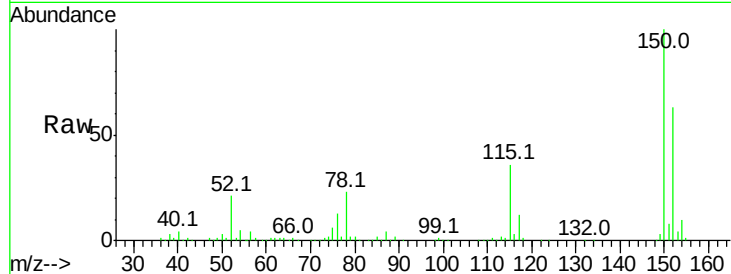
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.78 min Scan# 411
Delta R.T. 0.00 min
Lab File: BF093392.D
Acq: 4 Mar 2017 8:27

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-004-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.5	124.9	187.3
115	56.7	46.0	69.0

Manual Integrations
APPROVED

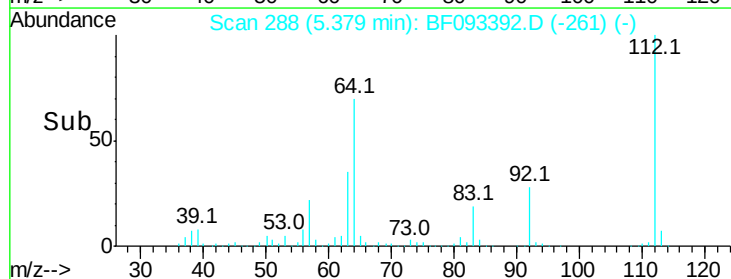
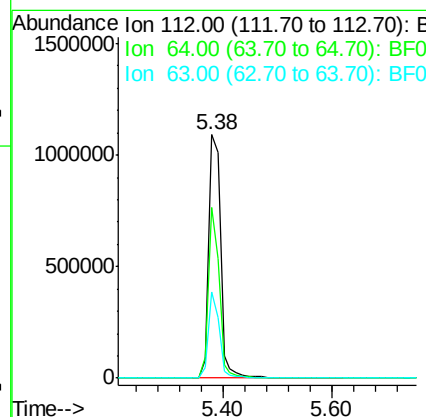
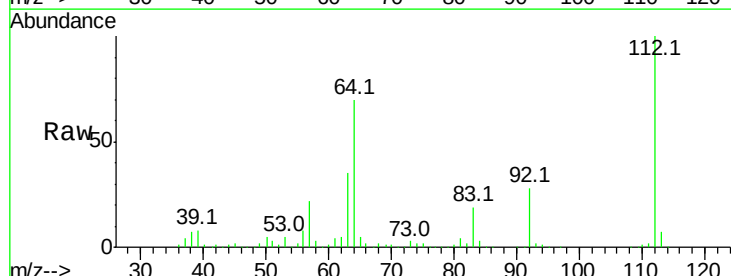
mohammad
3/6/2017 4:23:57 PM

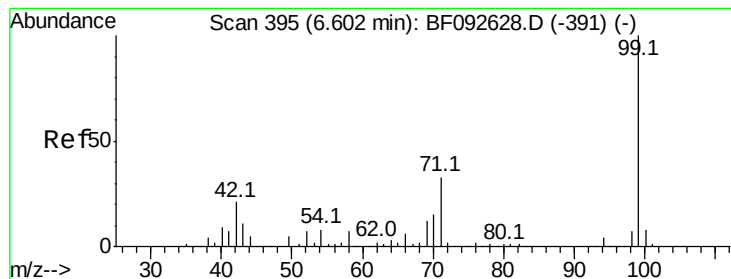


#5

2-Fluorophenol
Concen: 144.25 ng
RT: 5.38 min Scan# 288
Delta R.T. 0.01 min
Lab File: BF093392.D
Acq: 4 Mar 2017 8:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.8	46.1	69.1#
63	35.2	23.8	35.6





#7

Phenol-d6

Concen: 151.93 ng

RT: 6.44 min Scan# 381

Delta R.T. 0.00 min

Lab File: BF093392.D

Acq: 4 Mar 2017 8:27

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-004-B

Tot Ion: 99 Resp: 2248412

Ion Ratio Lower Upper

99 100

42 18.8 15.6 23.4

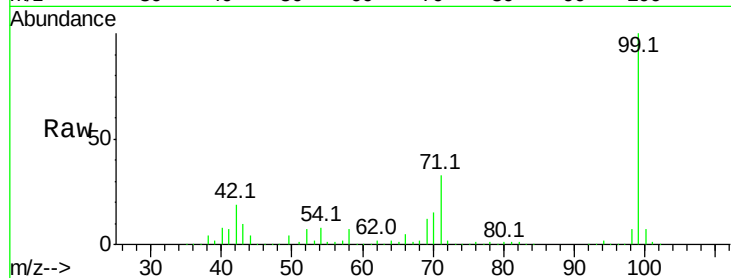
71 32.8 27.5 41.3

Manual Integrations

APPROVED

mohammad

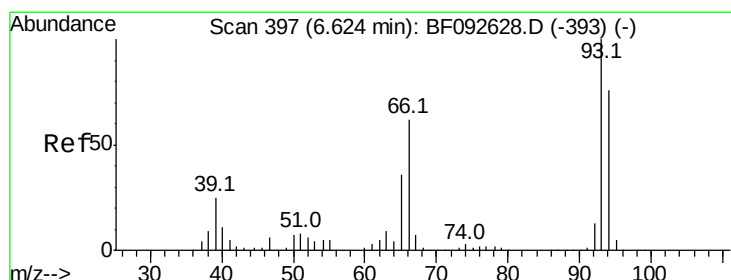
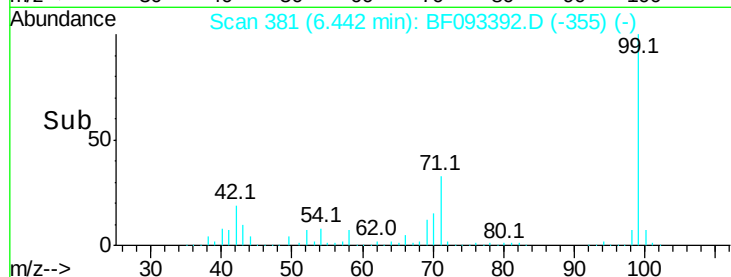
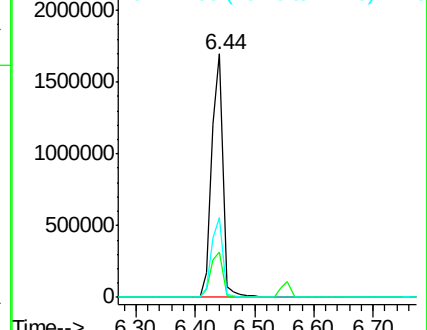
3/6/2017 4:23:57 PM



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: 7.93 ng

RT: 6.45 min Scan# 382

Delta R.T. 0.00 min

Lab File: BF093392.D

Acq: 4 Mar 2017 8:27

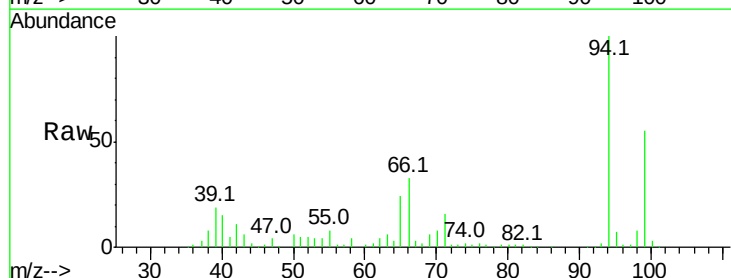
Tgt Ion: 94 Resp: 137358

Ion Ratio Lower Upper

94 100

65 24.2 21.4 61.4

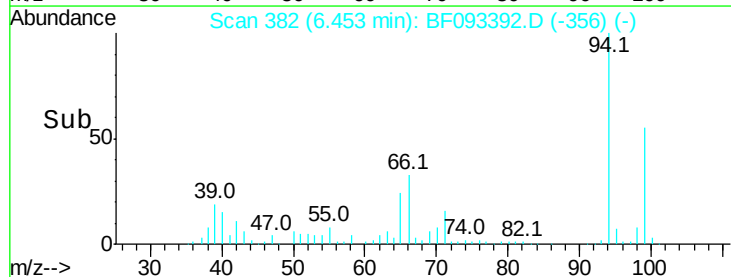
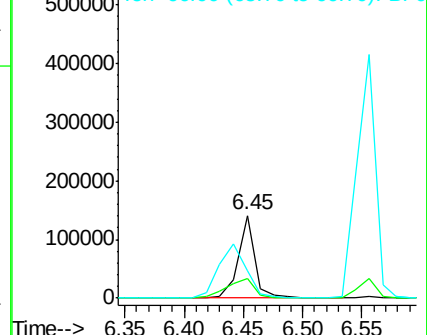
66 32.6 44.0 84.0#

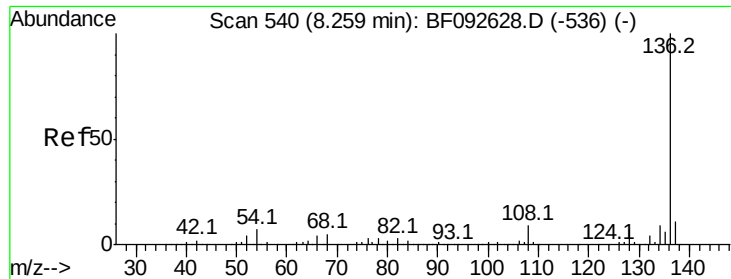


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





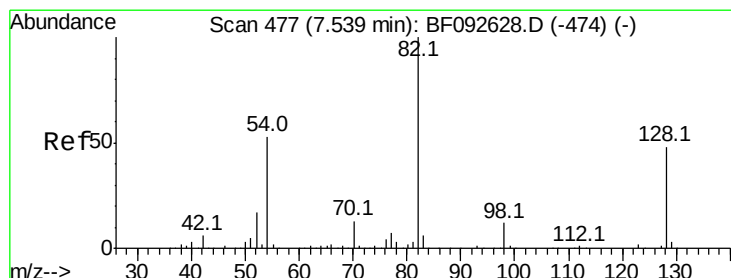
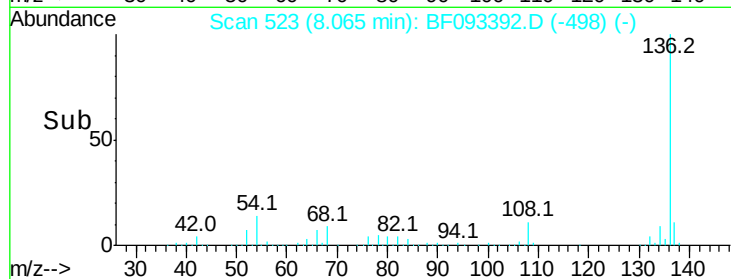
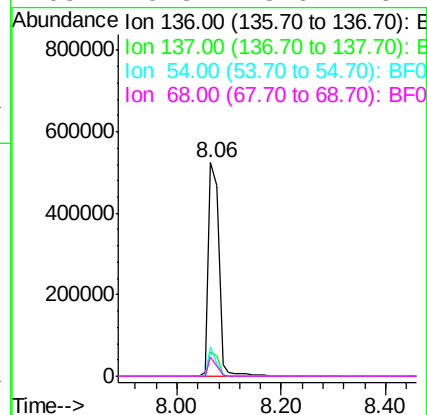
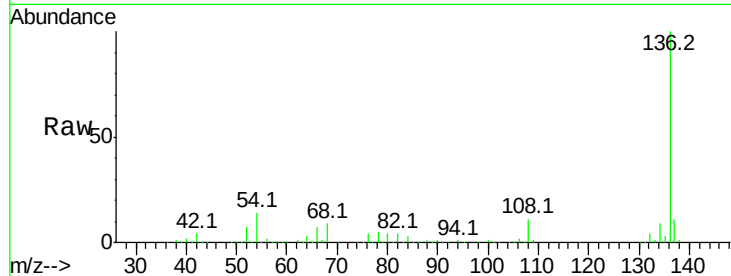
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.06 min Scan# 523
Delta R.T. -0.01 min
Lab File: BF093392.D
Acq: 4 Mar 2017 8:27

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-004-B

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.2	8.4	12.6	
54	13.7	4.5	6.7#	
68	9.3	3.6	5.4#	

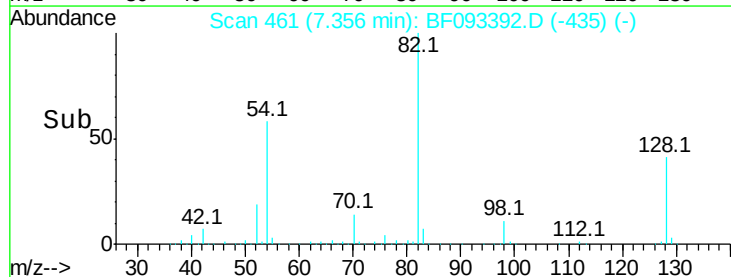
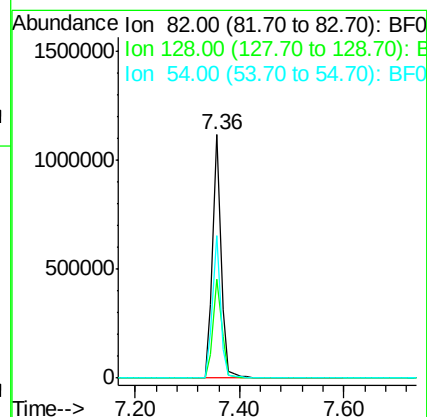
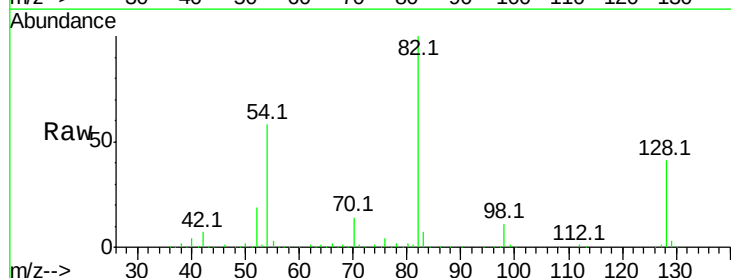
Manual Integrations
APPROVED

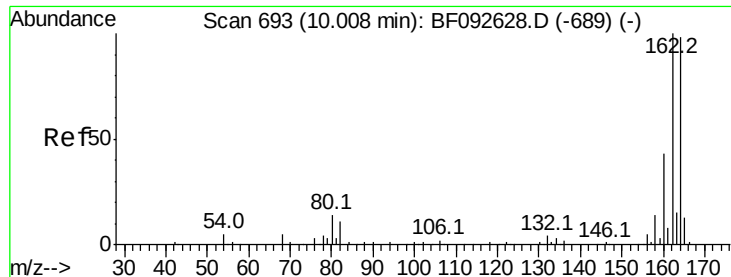
mohammad
3/6/2017 4:23:57 PM



#23
Nitrobenzene-d5
Concen: 96.38 ng
RT: 7.36 min Scan# 461
Delta R.T. 0.00 min
Lab File: BF093392.D
Acq: 4 Mar 2017 8:27

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	40.8	34.6	52.0	
54	58.4	39.5	59.3	





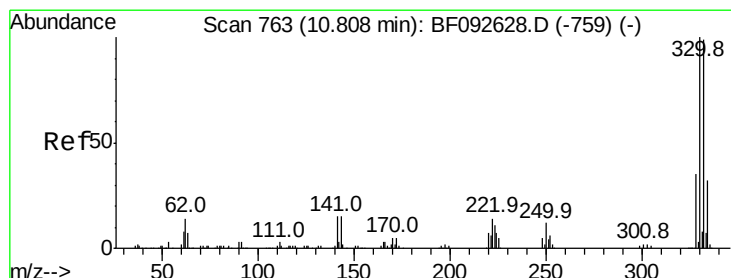
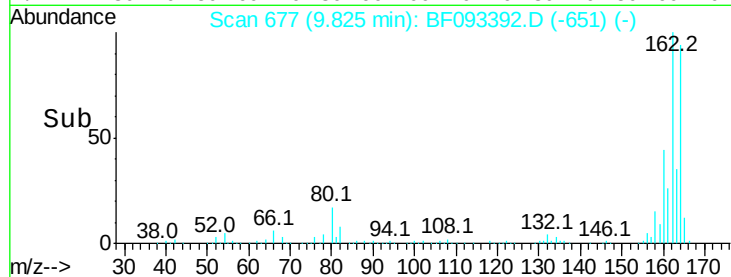
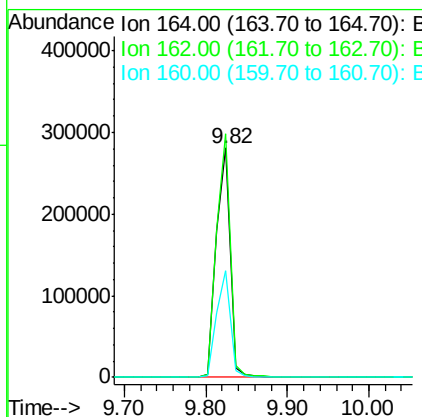
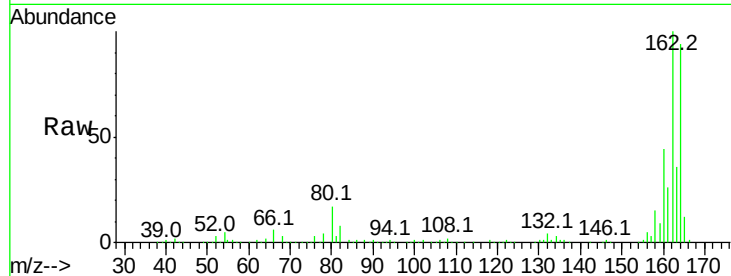
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.82 min Scan# 677
 Delta R.T. 0.00 min
 Lab File: BF093392.D
 Acq: 4 Mar 2017 8:27

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-004-B

Tot Ion	Ratio	Resp	Lower	Upper
164	100	333574		
162	106.1	80.2	120.2	
160	46.6	36.9	55.3	

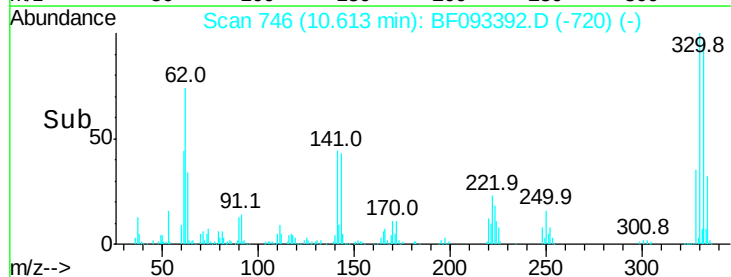
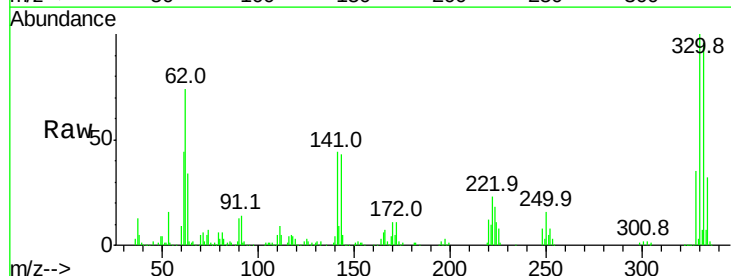
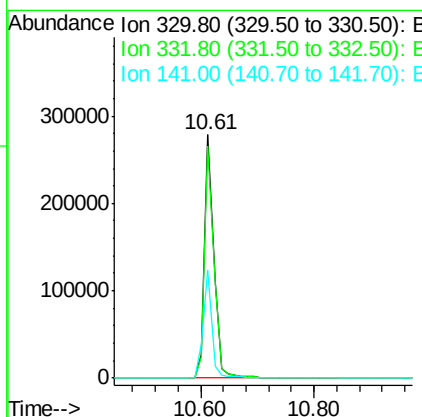
Manual Integrations
 APPROVED

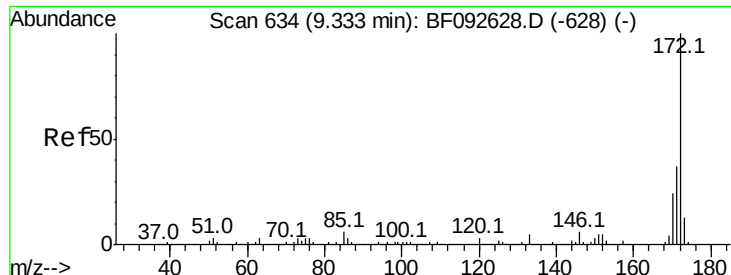
mohammad
 3/6/2017 4:23:57 PM



#41
 2,4,6-Tribromophenol
 Concen: 126.62 ng
 RT: 10.61 min Scan# 746
 Delta R.T. 0.00 min
 Lab File: BF093392.D
 Acq: 4 Mar 2017 8:27

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	305491		
332	95.6	77.4	116.2	
141	41.8	34.1	51.1	





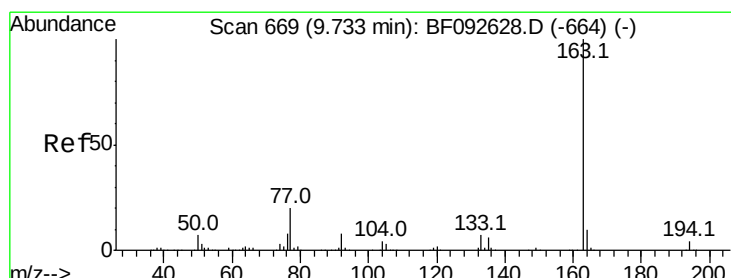
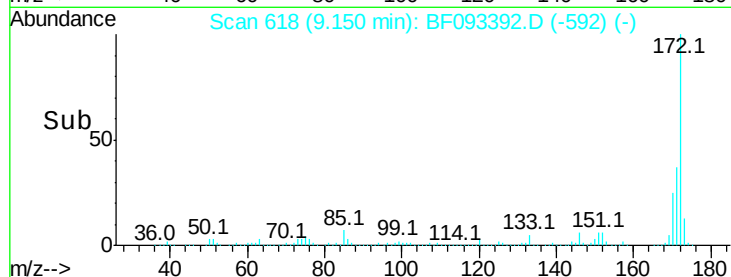
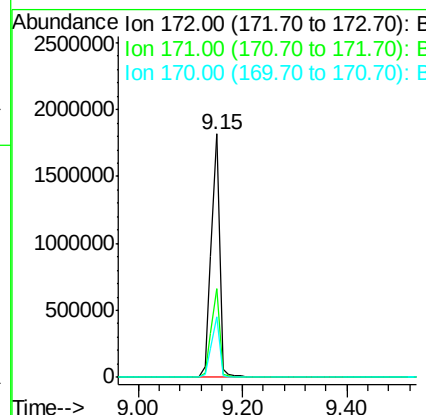
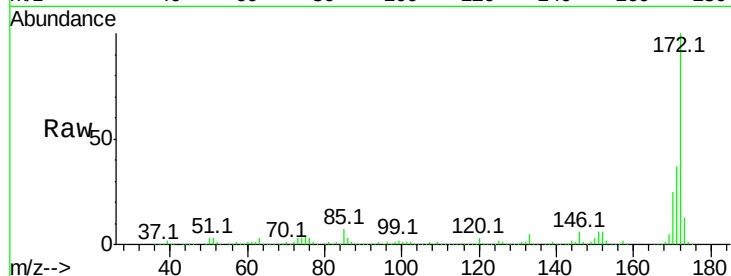
#44
2-Fluorobiphenyl
Concen: 109.38 ng
RT: 9.15 min Scan# 618
Delta R.T. 0.00 min
Lab File: BF093392.D
Acq: 4 Mar 2017 8:27

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-004-B

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.4	44.0
170	24.6	20.2	30.4

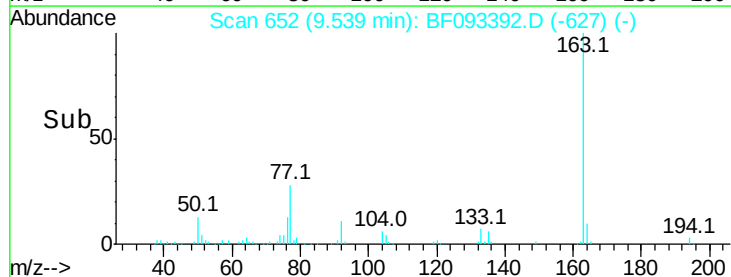
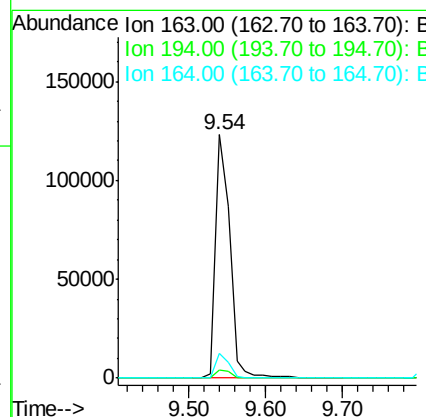
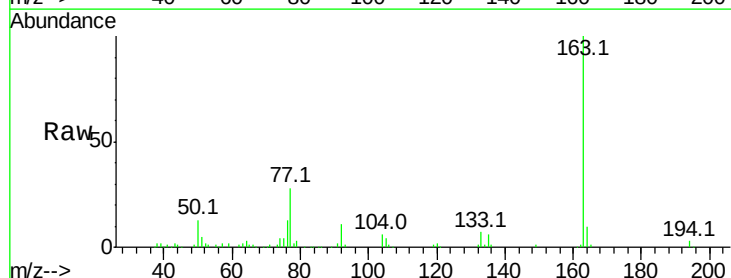
Manual Integrations
APPROVED

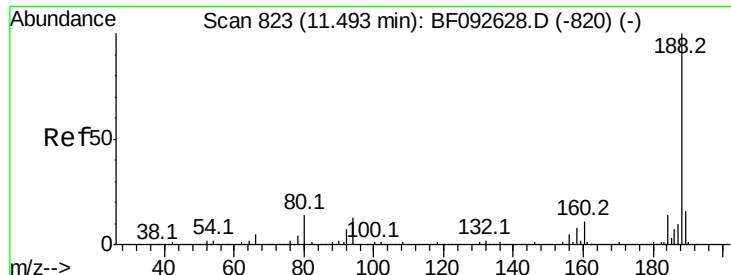
mohammad
3/6/2017 4:23:57 PM



#49
Dimethylphthalate
Concen: 7.05 ng
RT: 9.54 min Scan# 652
Delta R.T. -0.01 min
Lab File: BF093392.D
Acq: 4 Mar 2017 8:27

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.5	3.0	4.4
164	10.2	8.0	12.0





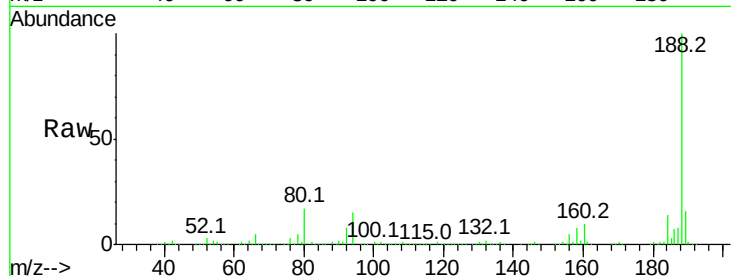
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.30 min Scan# 806
Delta R.T. -0.01 min
Lab File: BF093392.D
Acq: 4 Mar 2017 8:27

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-004-B

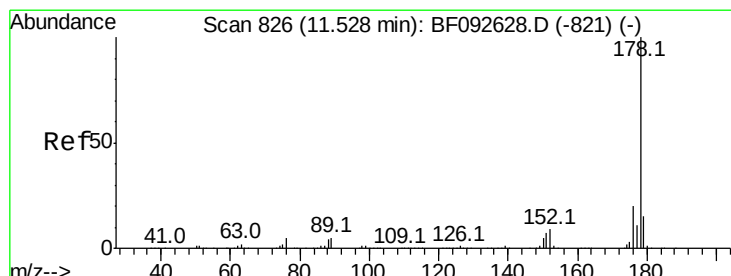
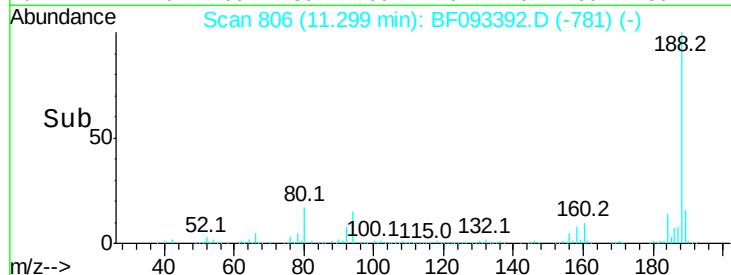
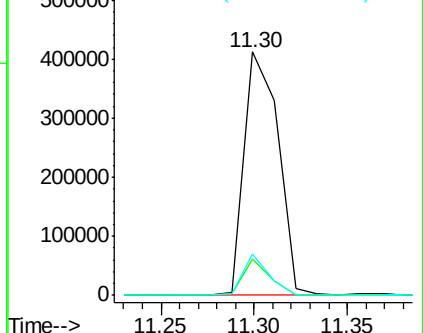
Tot Ion	Ratio	Resp	Lower	Upper
188	100			
94	14.9	10.0	15.0	
80	16.9	11.2	16.8	

Manual Integrations
APPROVED

mohammad
3/6/2017 4:23:57 PM



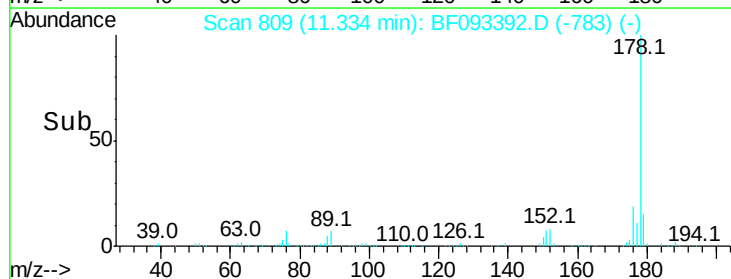
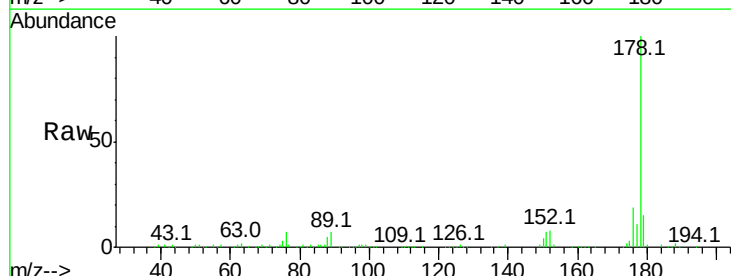
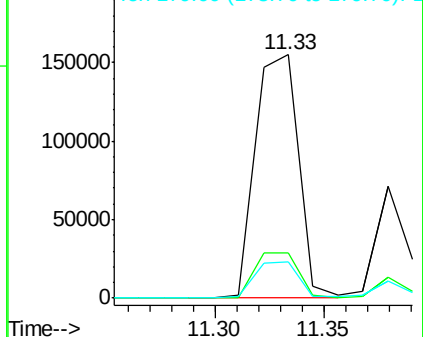
Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

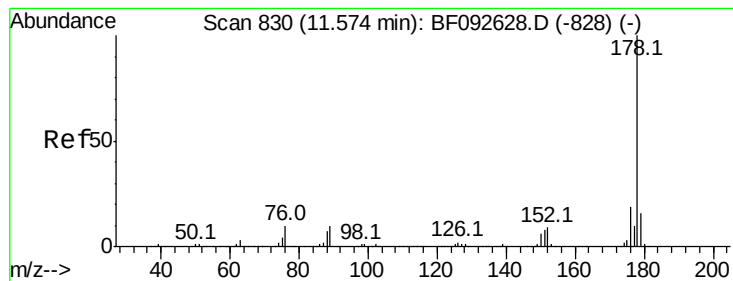


#70
Phenanthrene
Concen: 7.15 ng
RT: 11.33 min Scan# 809
Delta R.T. 0.00 min
Lab File: BF093392.D
Acq: 4 Mar 2017 8:27

Tgt Ion	Ratio	Resp	Lower	Upper
178	100			
176	18.5	16.6	25.0	
179	15.1	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: 2.46 ng

RT: 11.38 min Scan# 813

Delta R.T. 0.00 min

Lab File: BF093392.D

Acq: 4 Mar 2017 8:27

Instrument :

BNA_F

ClientSampleId :

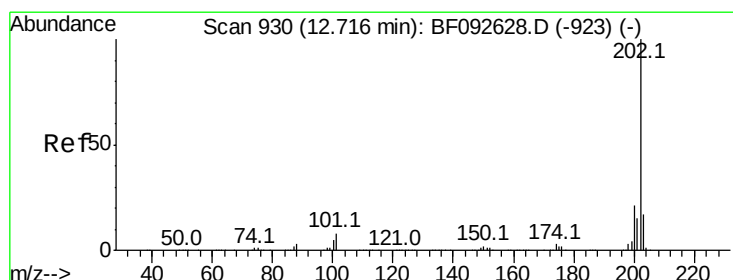
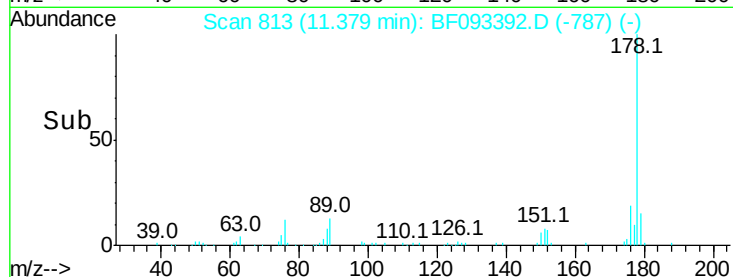
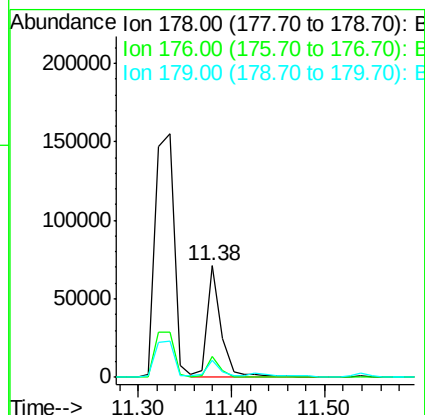
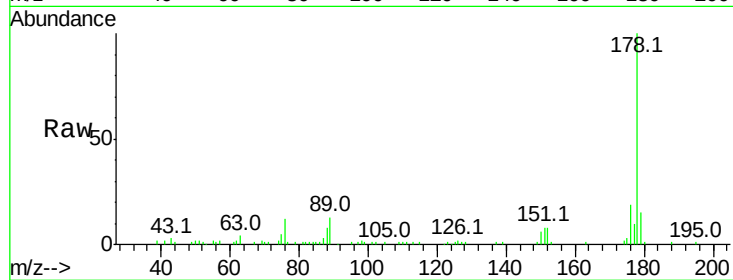
FK-GF-02-004-B

Tot Ion:178 Resp: 74334

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.9	23.9
179	15.5	13.2	19.8

Manual Integrations
APPROVED

mohammad
3/6/2017 4:23:57 PM



#74

Fluoranthene

Concen: 12.84 ng

RT: 12.52 min Scan# 913

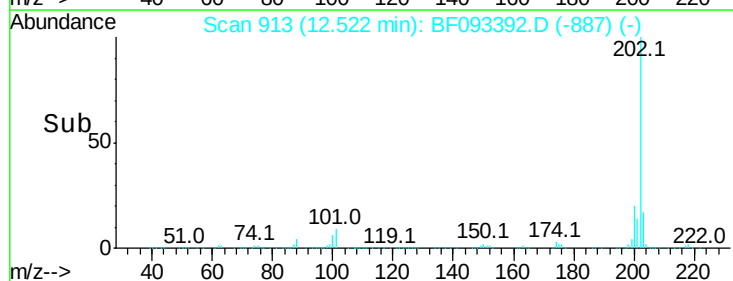
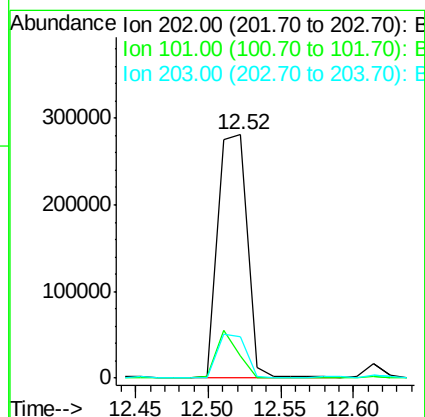
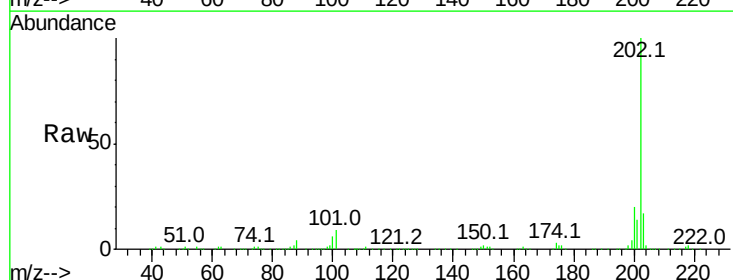
Delta R.T. 0.00 min

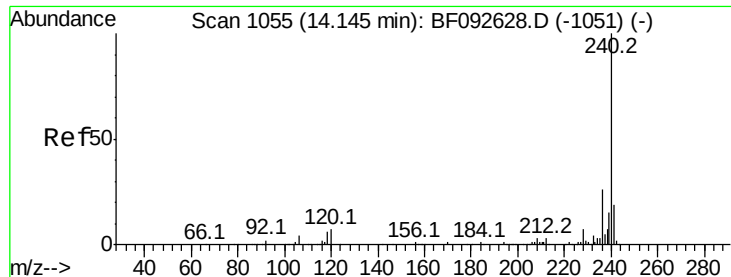
Lab File: BF093392.D

Acq: 4 Mar 2017 8:27

Tgt Ion:202 Resp: 398313

Ion	Ratio	Lower	Upper
202	100		
101	8.9	0.0	34.6
203	16.8	0.0	38.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.94 min Scan# 1037

Delta R.T. -0.01 min

Lab File: BF093392.D

Acq: 4 Mar 2017 8:27

Instrument :

BNA_F

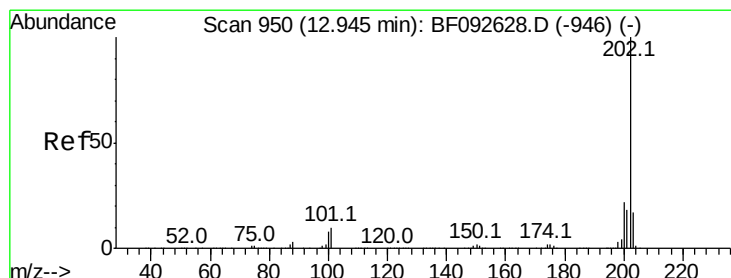
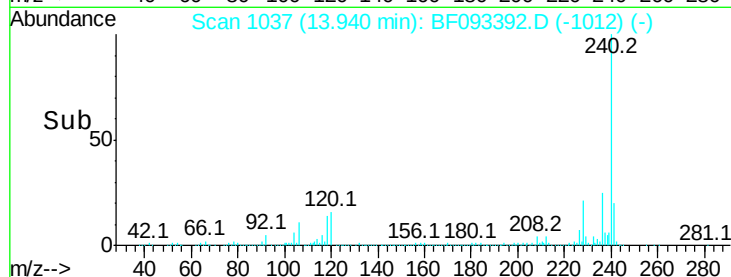
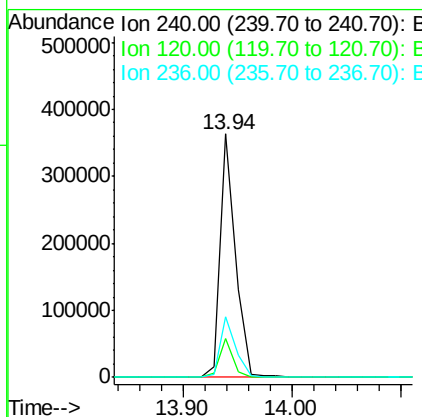
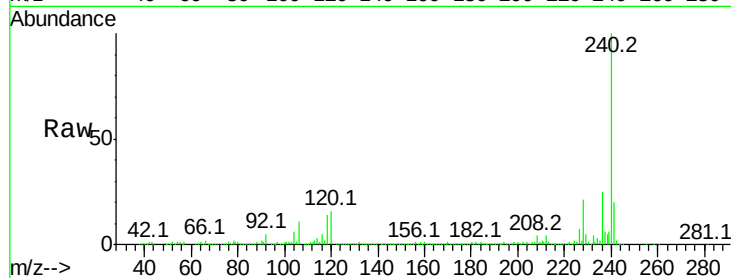
ClientSampleId :

FK-GF-02-004-B

Tot Ion:	240	Resp:	358497
Ion Ratio	Lower	Upper	
240	100		
120	16.0	12.9	19.3
236	25.0	20.9	31.3

Manual Integrations
APPROVED

mohammad
3/6/2017 4:23:57 PM



#77

Pyrene

Concen: 14.44 ng

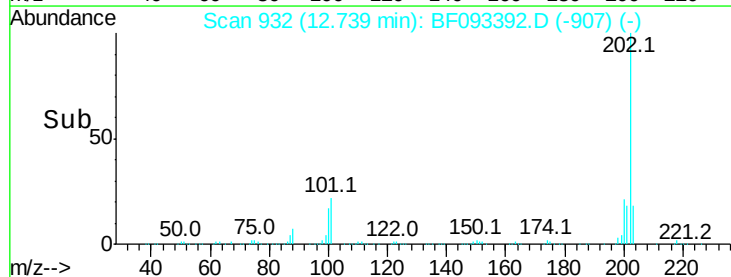
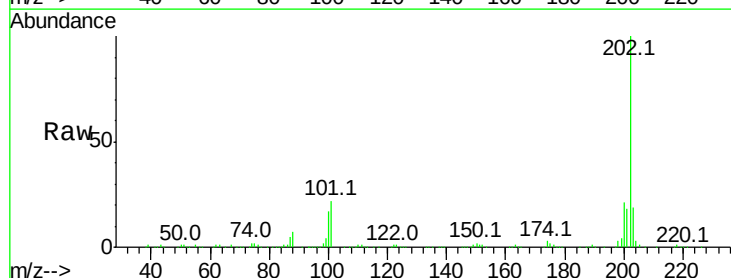
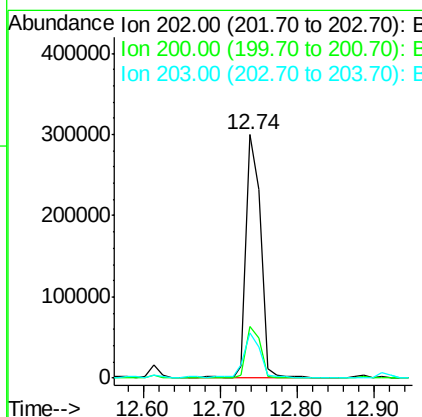
RT: 12.74 min Scan# 932

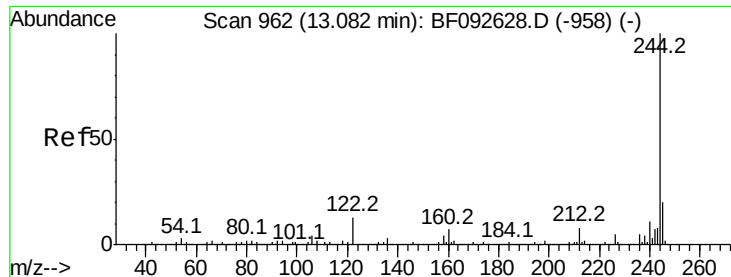
Delta R.T. -0.01 min

Lab File: BF093392.D

Acq: 4 Mar 2017 8:27

Tgt Ion:	202	Resp:	387520
Ion Ratio	Lower	Upper	
202	100		
200	21.0	17.7	26.5
203	18.6	14.7	22.1





#78
 Terphenyl-d14
 Concen: 77.62 ng
 RT: 12.89 min Scan# 945
 Delta R.T. 0.00 min
 Lab File: BF093392.D
 Acq: 4 Mar 2017 8:27

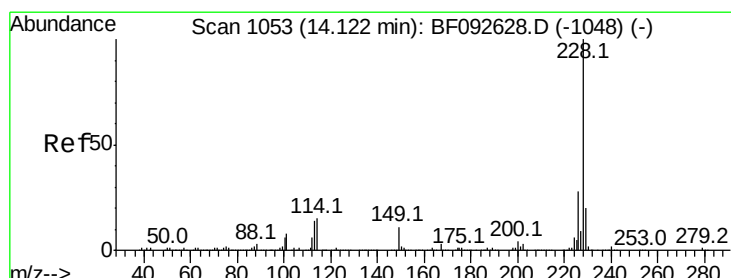
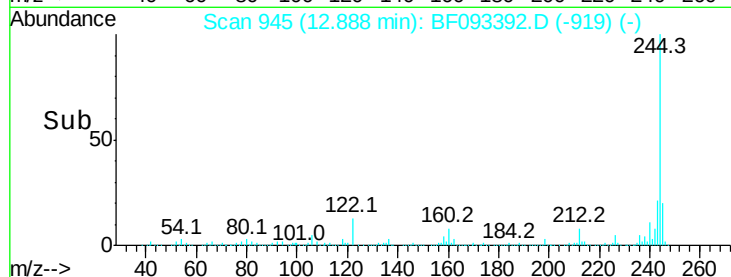
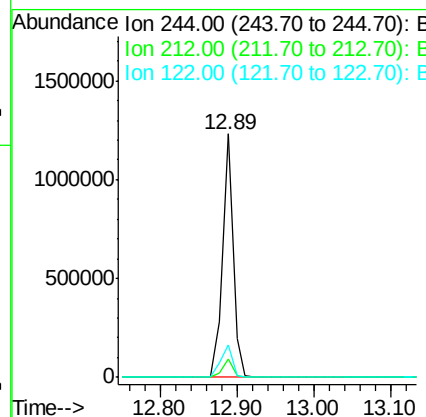
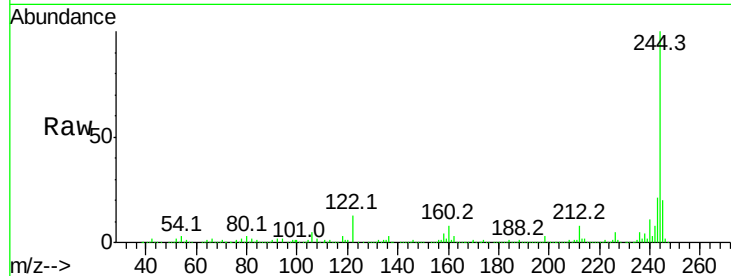
Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-004-B

Tot Ion:244 Resp: 1184248

Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.2	9.2
122	13.3	11.4	17.2

Manual Integrations
 APPROVED

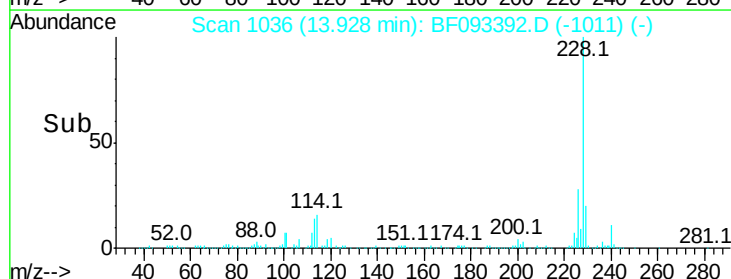
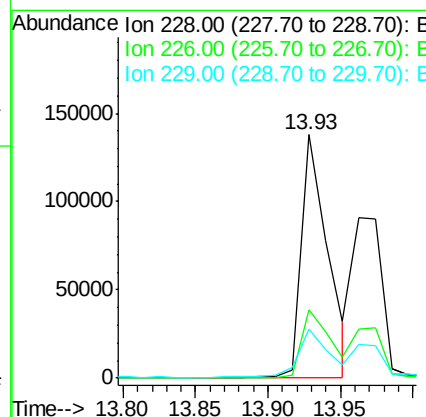
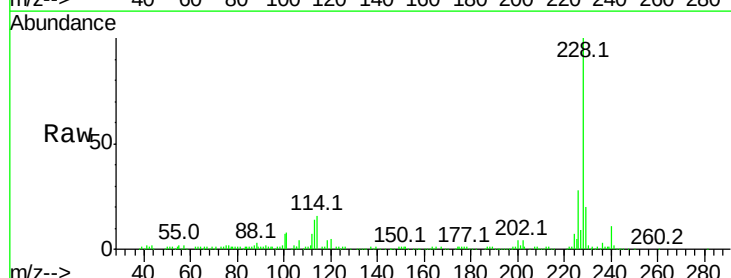
mohammad
 3/6/2017 4:23:57 PM

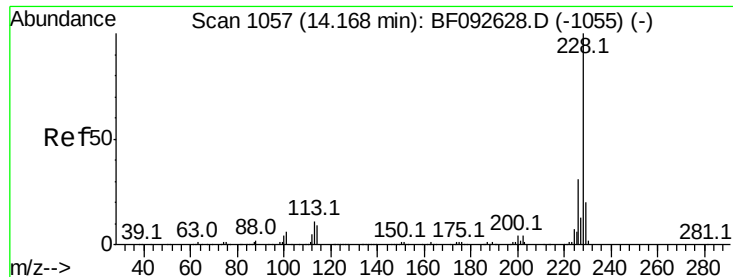


#80
 Benzo(a)anthracene
 Concen: 7.97 ng
 RT: 13.93 min Scan# 1036
 Delta R.T. -0.01 min
 Lab File: BF093392.D
 Acq: 4 Mar 2017 8:27

Tgt Ion:228 Resp: 174827

Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.4	33.6
229	20.2	16.2	24.4





#82

Chrysene

Concen: 6.33 ng

RT: 13.96 min Scan# 1039

Delta R.T. -0.01 min

Lab File: BF093392.D

Acq: 4 Mar 2017 8:27

Instrument :

BNA_F

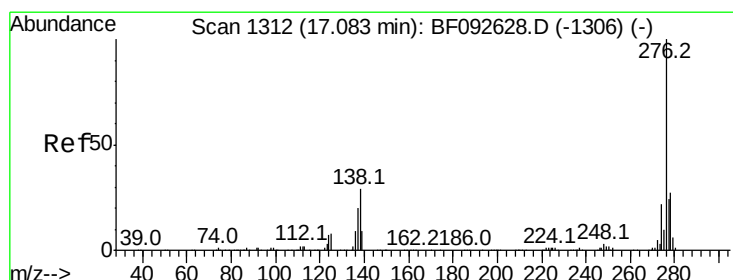
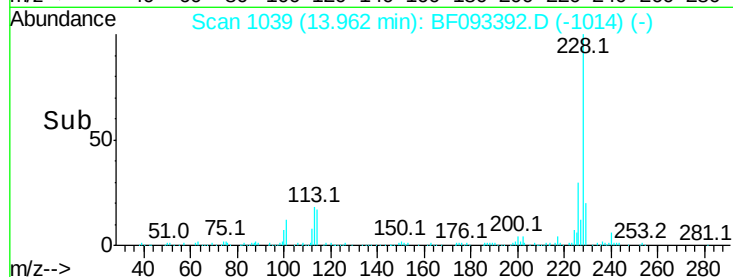
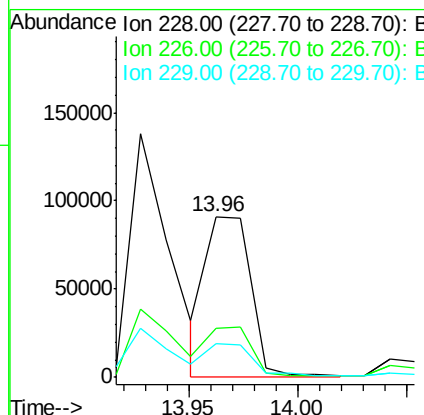
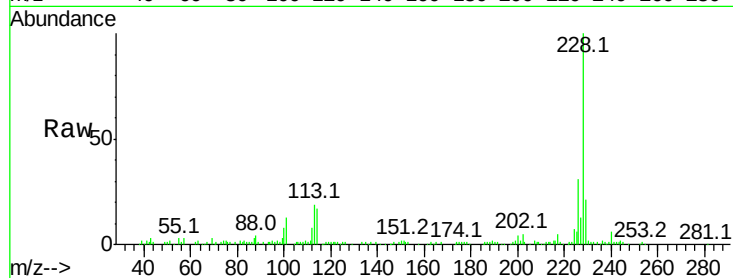
ClientSampleId :

FK-GF-02-004-B

Tot Ion:	228	Resp:	130048
Ion Ratio	Lower	Upper	
228	100		
226	30.5	25.4	38.0
229	21.0	16.2	24.2

Manual Integrations
APPROVED

mohammad
3/6/2017 4:23:57 PM



#85

Indeno(1,2,3-cd)pyrene

Concen: 4.28 ng

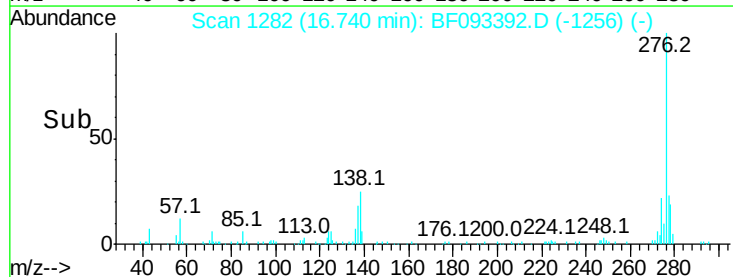
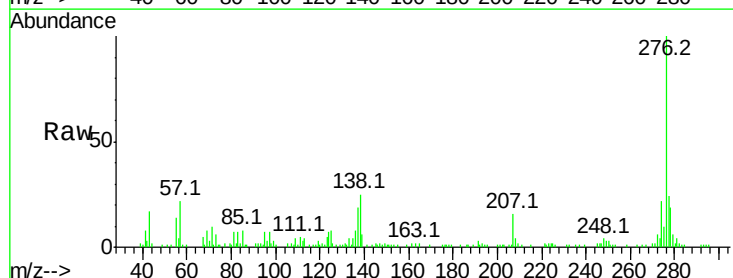
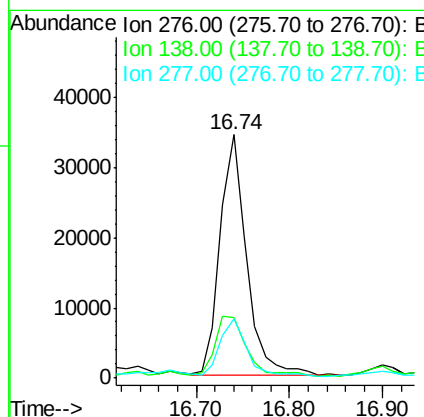
RT: 16.74 min Scan# 1282

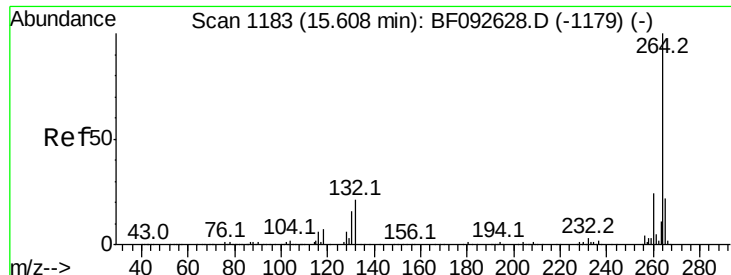
Delta R.T. 0.00 min

Lab File: BF093392.D

Acq: 4 Mar 2017 8:27

Tgt Ion:	276	Resp:	68114
Ion Ratio	Lower	Upper	
276	100		
138	29.4	21.8	32.6
277	23.7	20.2	30.4





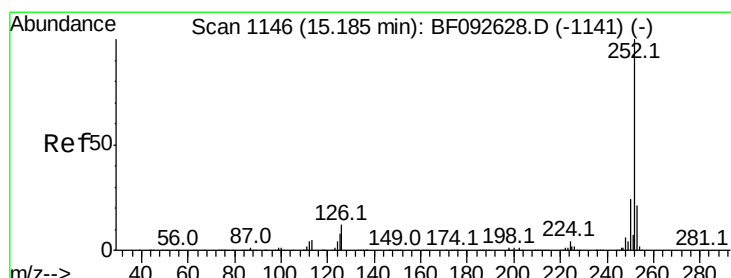
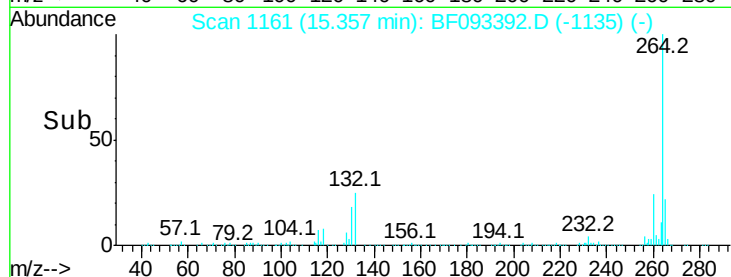
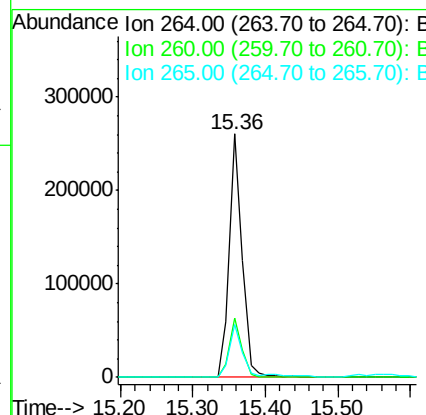
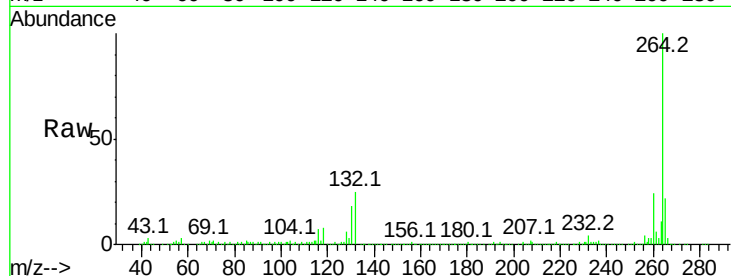
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.36 min Scan# 1161
Delta R.T. 0.00 min
Lab File: BF093392.D
Acq: 4 Mar 2017 8:27

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-004-B

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	22.0	17.4	26.0

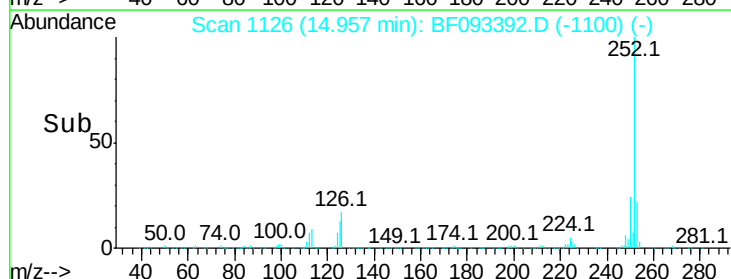
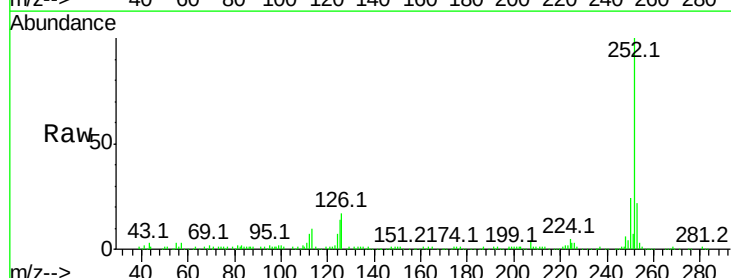
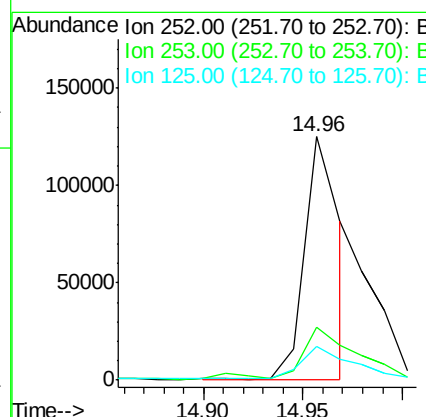
Manual Integrations
APPROVED

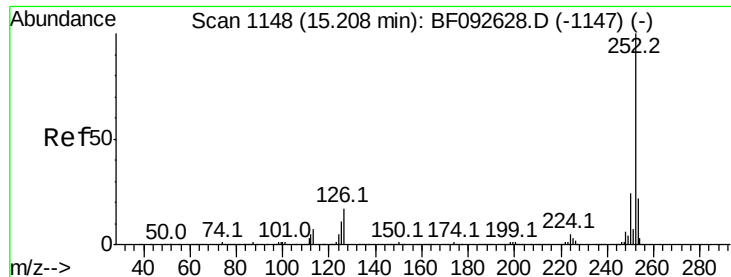
mohammad
3/6/2017 4:23:57 PM



#87
Benzo(b)fluoranthene
Concen: 7.23 ng m
RT: 14.96 min Scan# 1126
Delta R.T. 0.00 min
Lab File: BF093392.D
Acq: 4 Mar 2017 8:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.2	27.4
125	14.0	9.8	14.6





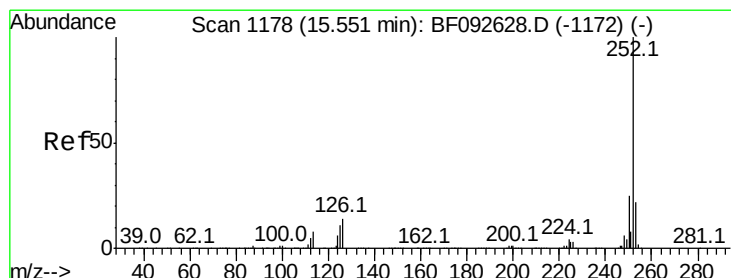
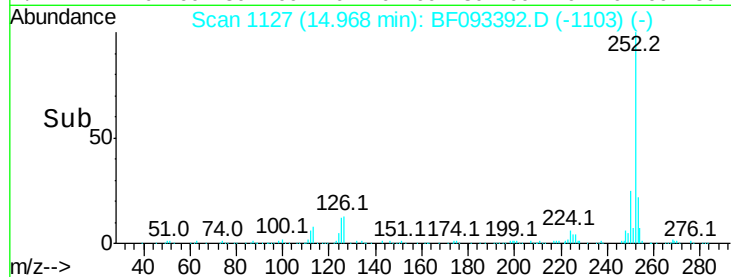
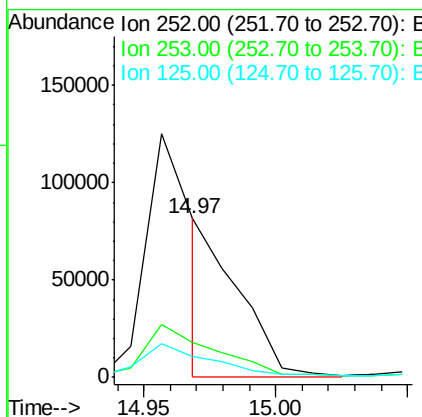
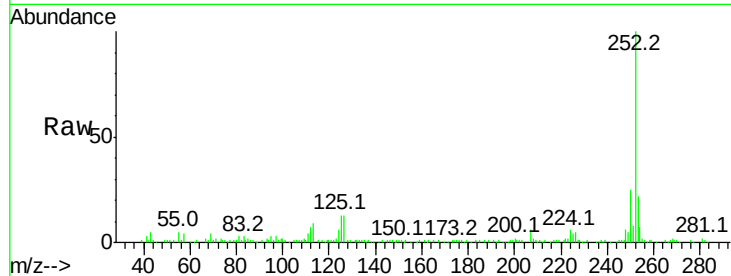
#88
Benzo(k)fluoranthene
Concen: 3.73 ng m
RT: 14.97 min Scan# 1127
Delta R.T. -0.02 min
Lab File: BF093392.D
Acq: 4 Mar 2017 8:27

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-004-B

Tot Ion	Ratio	Resp	Lower	Upper
252	100	68740		
253	21.8	18.5	27.7	
125	13.4	8.9	13.3#	

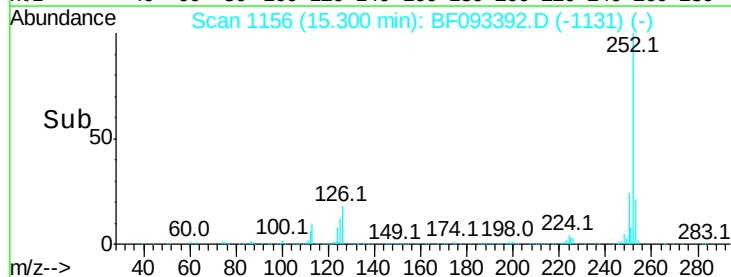
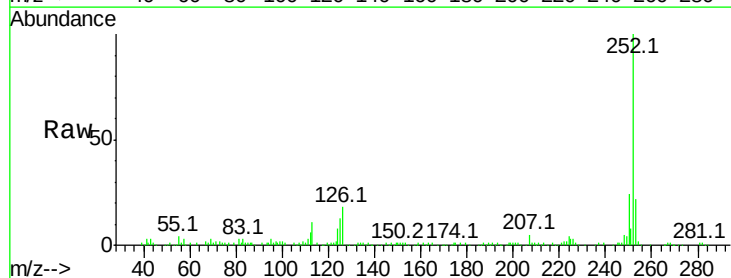
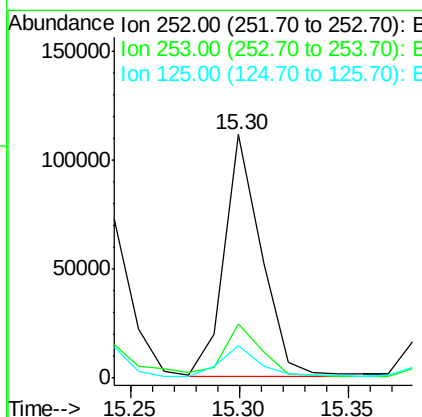
Manual Integrations
APPROVED

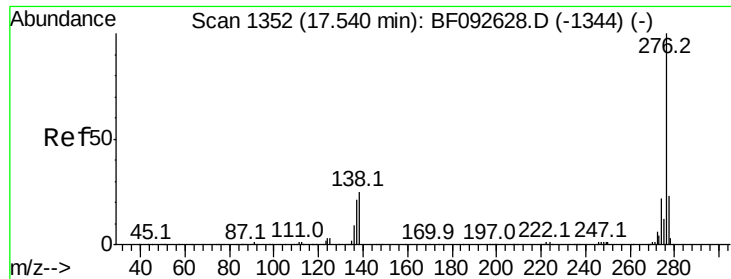
mohammad
3/6/2017 4:23:57 PM



#89
Benzo(a)pyrene
Concen: 7.09 ng
RT: 15.30 min Scan# 1156
Delta R.T. -0.01 min
Lab File: BF093392.D
Acq: 4 Mar 2017 8:27

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	130857		
253	22.1	18.2	27.2	
125	13.4	10.0	15.0	





#91
 Benzo(a,h,i)perylene
 Concen: 4.36 ng
 RT: 17.15 min Scan# 1318
 Delta R.T. 0.00 min
 Lab File: BF093392.D
 Acq: 4 Mar 2017 8:27

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-004-B

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.9	19.2	28.8
138	30.3	16.0	24.0

Manual Integrations
 APPROVED

mohammad
 3/6/2017 4:23:57 PM

