

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040617\
 Data File : BF094259.D
 Acq On : 7 Apr 2017 7:50
 Operator : SJ/MA
 Sample : I2542-16
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-3

Manual Integrations
 APPROVED

mohammad
 4/7/2017 5:21:32 PM

Quant Time: Apr 07 08:11:55 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 06 13:20:29 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.85	152	168546	20.00	ng	0.00
21) Naphthalene-d8	7.36	136	662849	20.00	ng	0.00
38) Acenaphthene-d10	9.49	164	285531	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	446329	20.00	ng	0.00
75) Chrysene-d12	14.57	240	310267	20.00	ng	0.00
86) Perylene-d12	16.20	264	261881	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.40	112	1345737	134.86	ng	0.01
7) Phenol-d6	5.47	99	1733506	140.42	ng	0.00
23) Nitrobenzene-d5	6.50	82	1073261	92.40	ng	0.00
41) 2,4,6-Tribromophenol	10.47	330	311156	137.90	ng	0.00
44) 2-Fluorobiphenyl	8.68	172	1417232	75.71	ng	0.00
78) Terphenyl-d14	13.30	244	761407	55.01	ng	0.00
Target Compounds						
10) Phenol	5.48	94	129351	9.21	ng	86
49) Dimethylphthalate	9.17	163	195962	9.65	ng	98
70) Phenanthrene	11.35	178	70593	2.84	ng	98
74) Fluoranthene	12.81	202	326664	12.85	ng	99
77) Pyrene	13.09	202	303554	13.48	ng	98
80) Benzo(a)anthracene	14.56	228	199284	11.01	ng	98
82) Chrysene	14.60	228	177423	10.57	ng	97
85) Indeno(1,2,3-cd)pyrene	17.52	276	54638	3.76	ng	96
87) Benzo(b)fluoranthene	15.80	252	196445m	12.24	ng	
88) Benzo(k)fluoranthene	15.82	252	60529m	3.85	ng	
89) Benzo(a)pyrene	16.14	252	121456	8.22	ng	97
91) Benzo(a,h,i)perylene	17.91	276	50770	4.02	ng	96

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

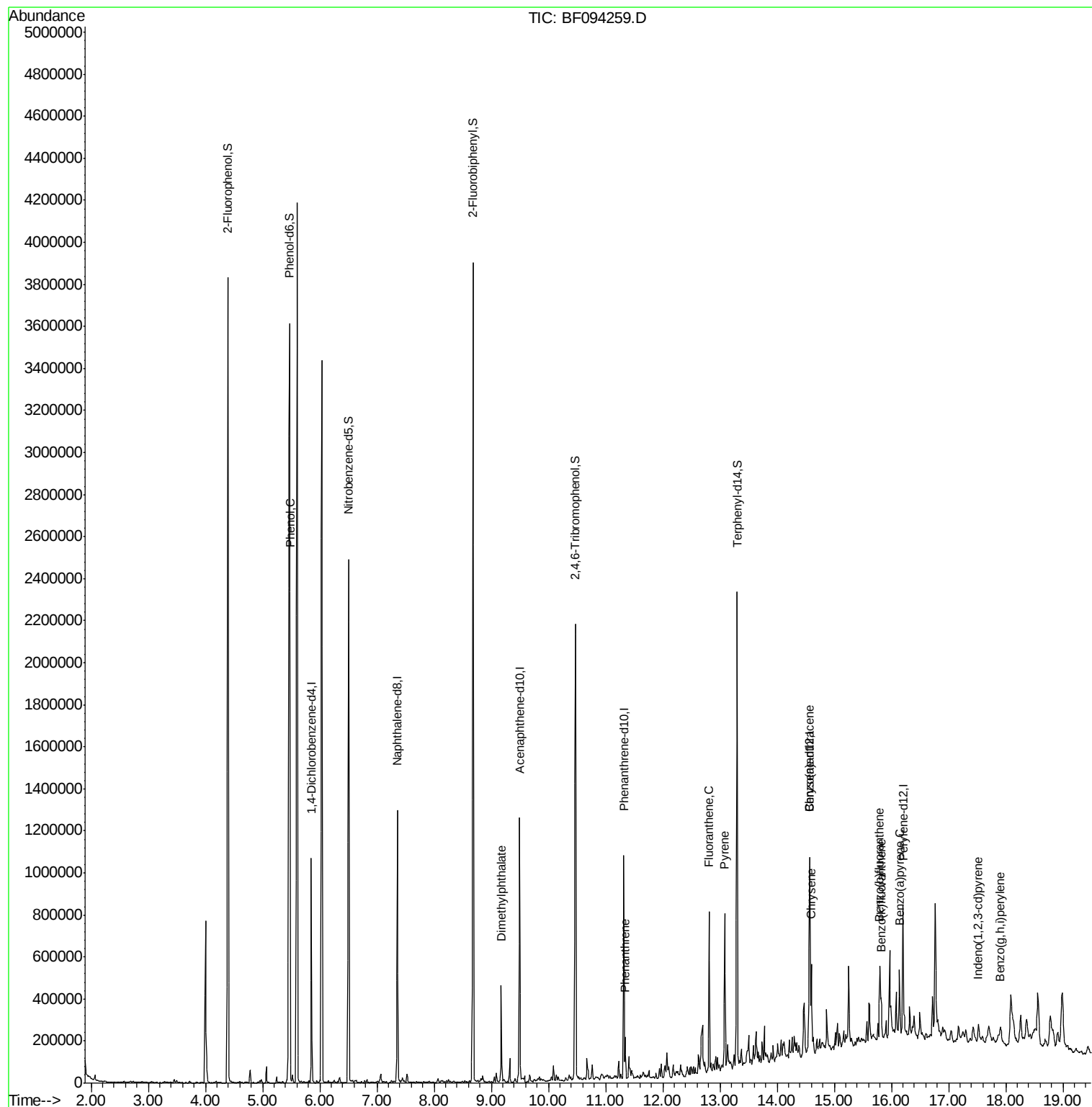
Data Path : Z:\HPCHEM1\BNA F\DATA\BF040617\
Data File : BF094259.D
Acq On : 7 Apr 2017 7:50
Operator : SJ/MA
Sample : I2542-16
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP-3

Manual Integrations
APPROVED

mohammad
4/7/2017 5:21:32 PM

Quant Time: Apr 07 08:11:55 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 06 13:20:29 2017
Response via : Initial Calibration





#1

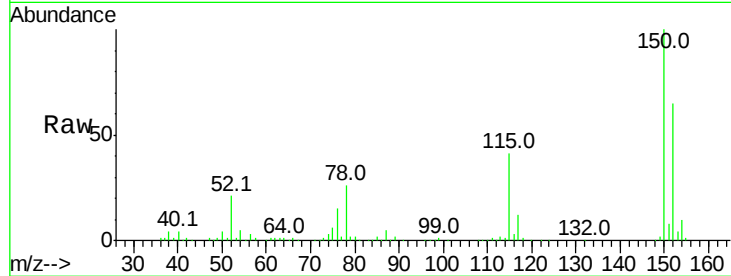
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 5.85 min Scan# 674
 Delta R.T. -0.01 min
 Lab File: BF094259.D
 Acq: 7 Apr 2017 7:50

Instrument :
 BNA_F
 ClientSampleId :
 COMP-3

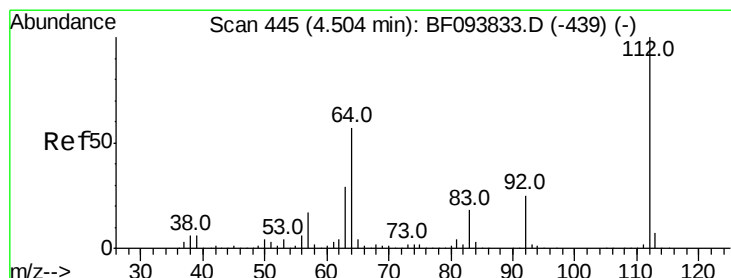
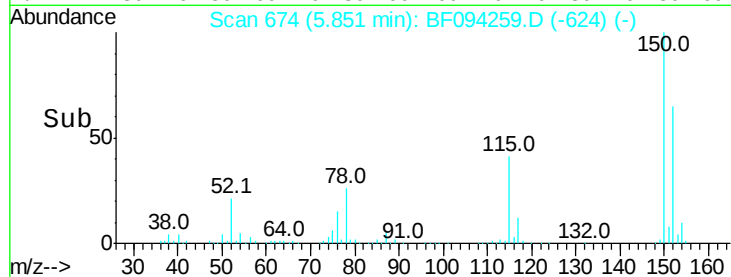
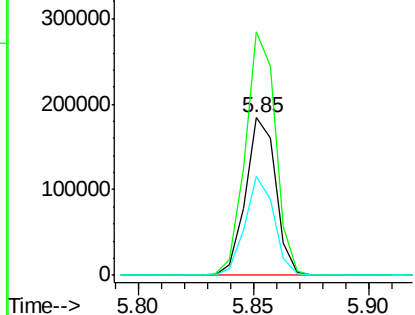
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.5	126.2	189.2
115	62.9	52.2	78.2

Manual Integrations
 APPROVED

mohammad
 4/7/2017 5:21:32 PM



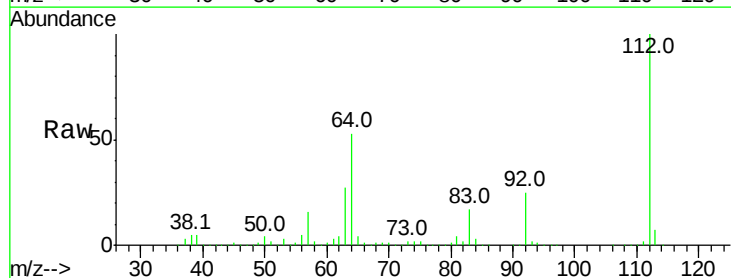
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



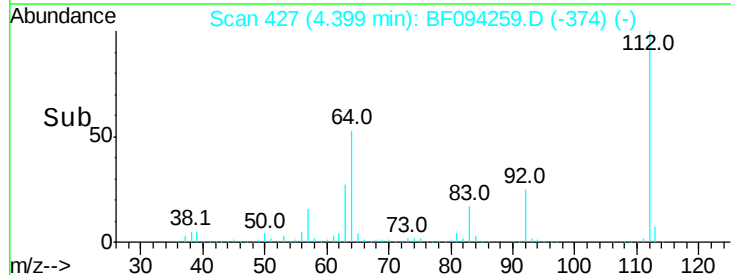
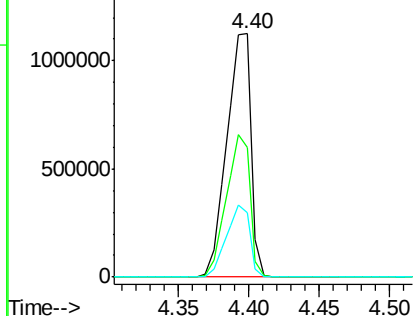
#5

2-Fluorophenol
 Concen: 134.86 ng
 RT: 4.40 min Scan# 427
 Delta R.T. 0.01 min
 Lab File: BF094259.D
 Acq: 7 Apr 2017 7:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.3	46.0	69.0
63	26.5	23.4	35.0



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF0
 Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 140.42 ng

RT: 5.47 min Scan# 609

Delta R.T. 0.01 min

Lab File: BF094259.D

Acq: 7 Apr 2017 7:50

Instrument :

BNA_F

ClientSampleId :

COMP-3

Tot Ion: 99 Resp: 1733506

Ion Ratio Lower Upper

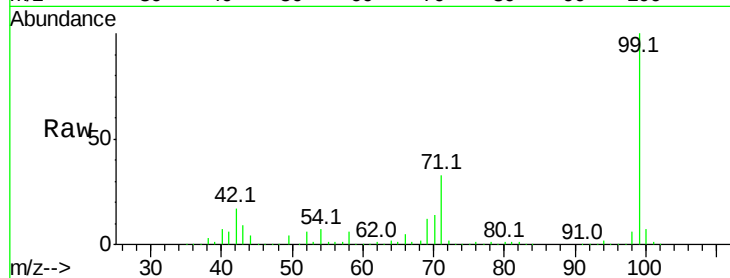
99 100

42 17.5 13.5 20.3

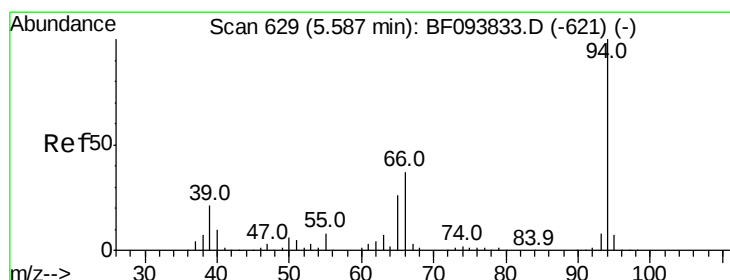
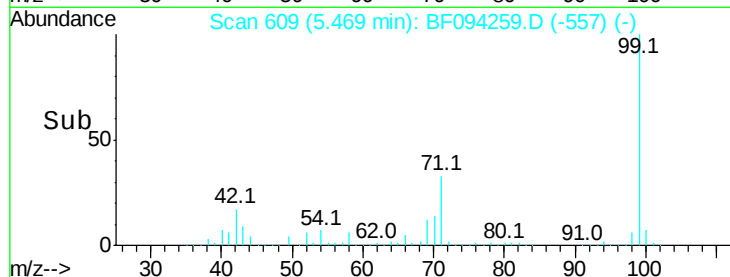
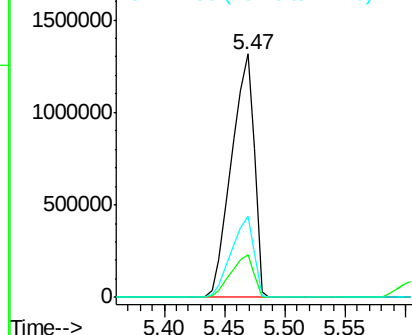
71 33.5 24.5 36.7

Manual Integrations
APPROVED

mohammad
4/7/2017 5:21:32 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: 9.21 ng

RT: 5.48 min Scan# 611

Delta R.T. -0.00 min

Lab File: BF094259.D

Acq: 7 Apr 2017 7:50

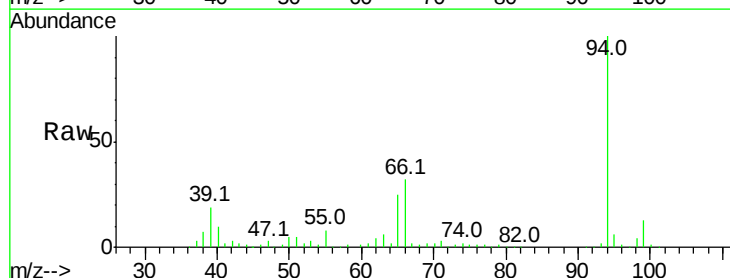
Tgt Ion: 94 Resp: 129351

Ion Ratio Lower Upper

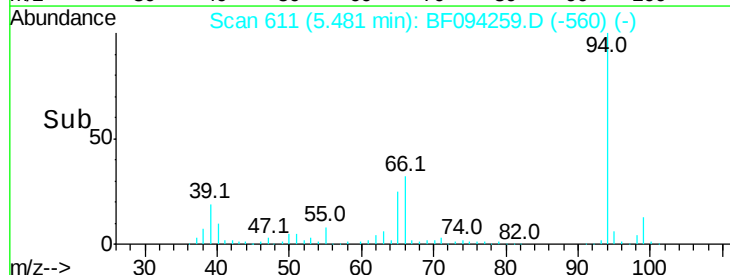
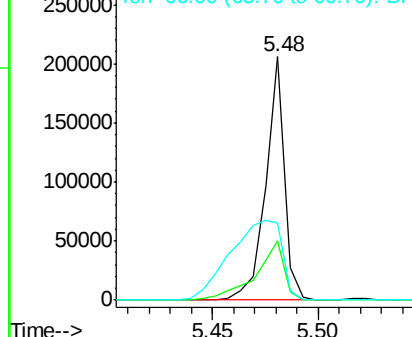
94 100

65 24.5 9.9 49.9

66 31.8 23.1 63.1



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: 7.36 min Scan# 930

Delta R.T. -0.01 min

Lab File: BF094259.D

Acq: 7 Apr 2017 7:50

Instrument :

BNA_F

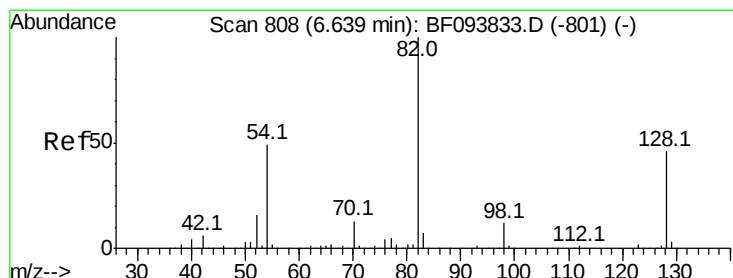
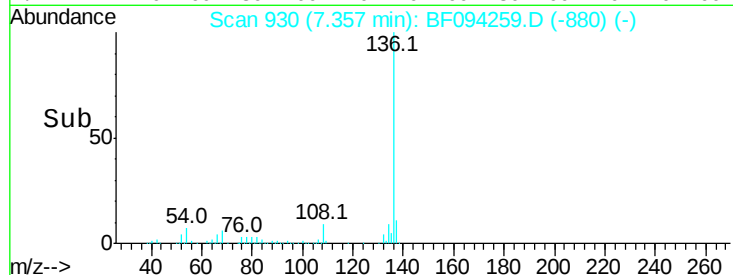
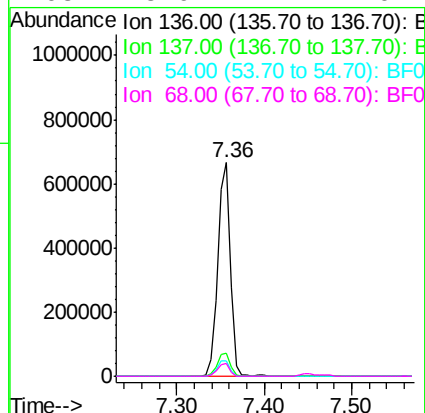
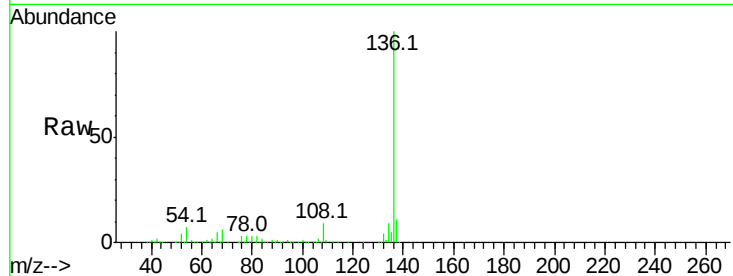
ClientSampled :

COMP-3

Tot Ion	Ratio	Resp	Lower	Upper
136	100	662849		
137	10.7		8.5	12.7
54	7.1		4.9	7.3
68	5.9		4.1	6.1

Manual Integrations
APPROVED

mohammad
4/7/2017 5:21:32 PM



#23

Nitrobenzene-d5

Concen: 92.40 ng

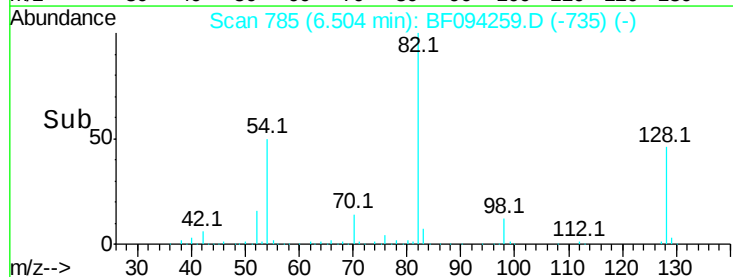
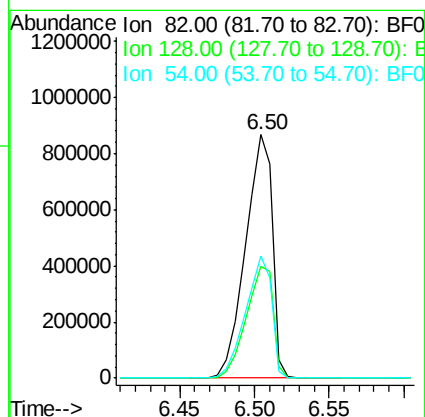
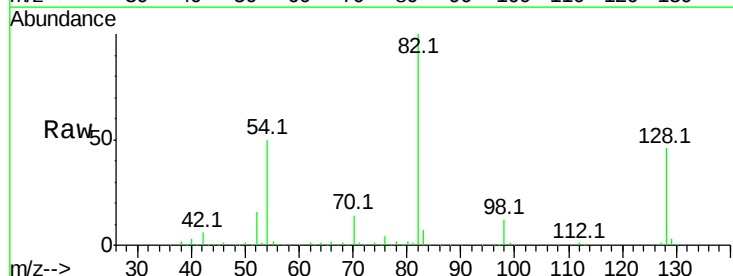
RT: 6.50 min Scan# 785

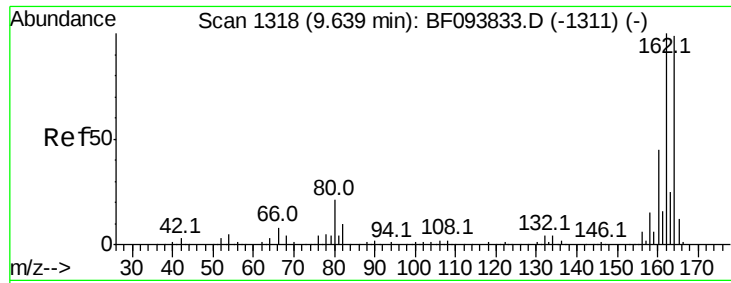
Delta R.T. -0.01 min

Lab File: BF094259.D

Acq: 7 Apr 2017 7:50

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	1073261		
128	46.0		34.0	51.0
54	50.2		42.2	63.2





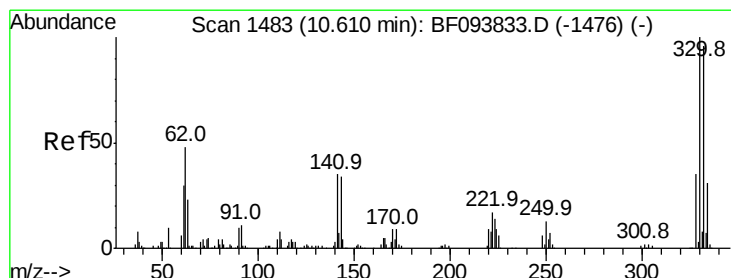
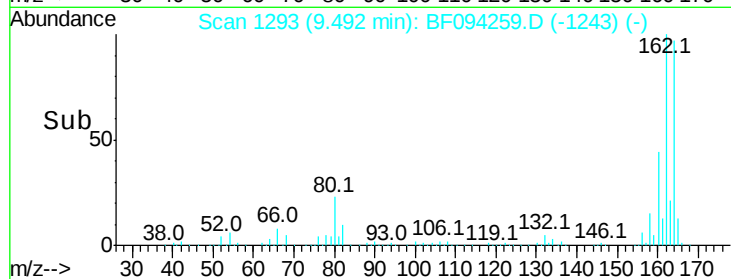
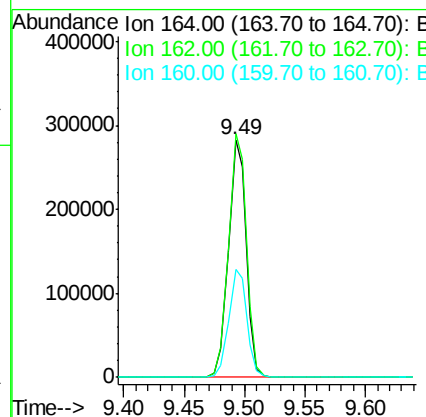
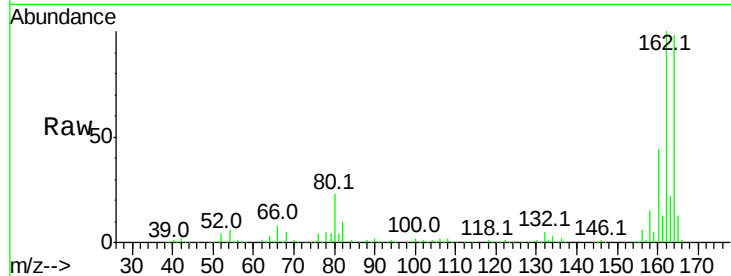
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.49 min Scan# 1293
 Delta R.T. -0.01 min
 Lab File: BF094259.D
 Acq: 7 Apr 2017 7:50

Instrument :
 BNA_F
 ClientSampleId :
 COMP-3

Tot Ion	Ratio	Resp	Lower	Upper
164	100	285531		
162	102.5	82.6	123.8	
160	45.4	36.2	54.2	

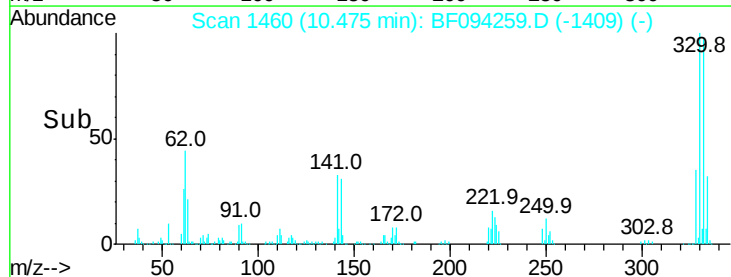
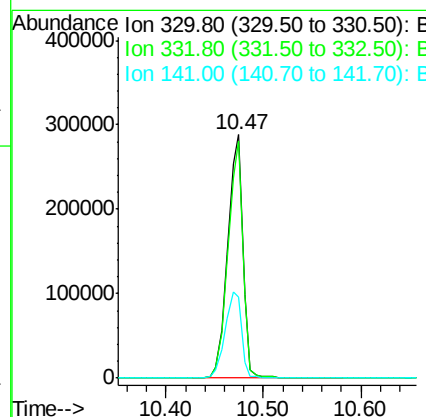
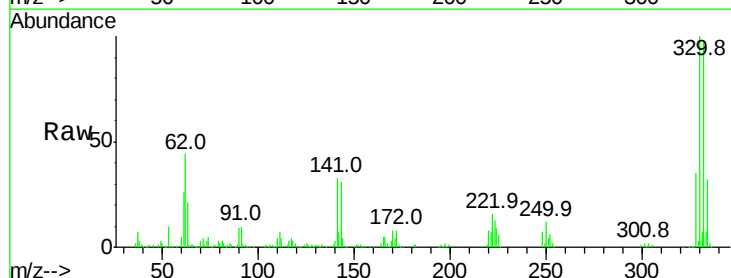
Manual Integrations
 APPROVED

mohammad
 4/7/2017 5:21:32 PM



#41
 2,4,6-Tribromophenol
 Concen: 137.90 ng
 RT: 10.47 min Scan# 1460
 Delta R.T. -0.00 min
 Lab File: BF094259.D
 Acq: 7 Apr 2017 7:50

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	311156		
332	95.9	76.6	115.0	
141	38.6	31.4	47.2	





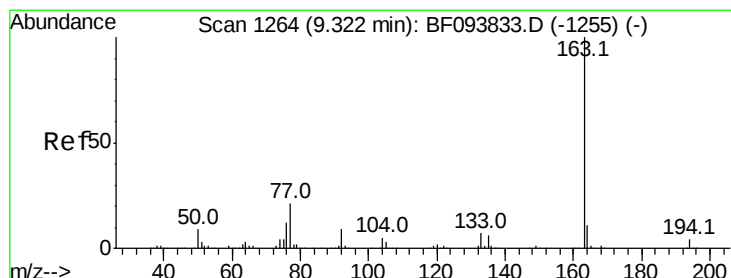
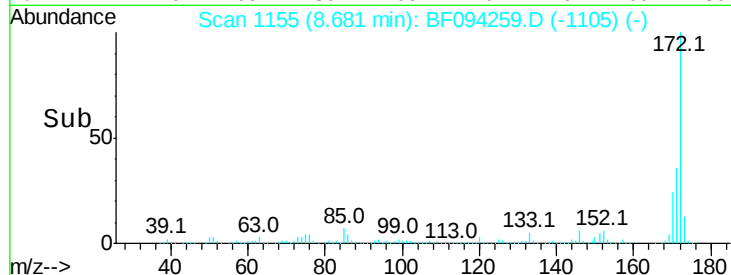
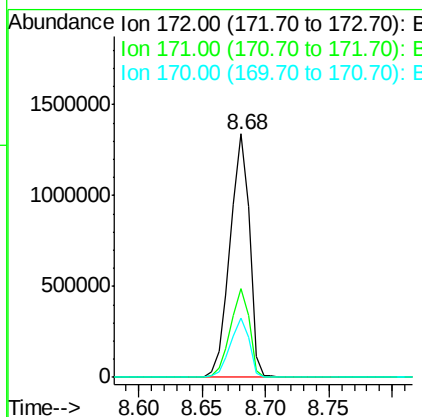
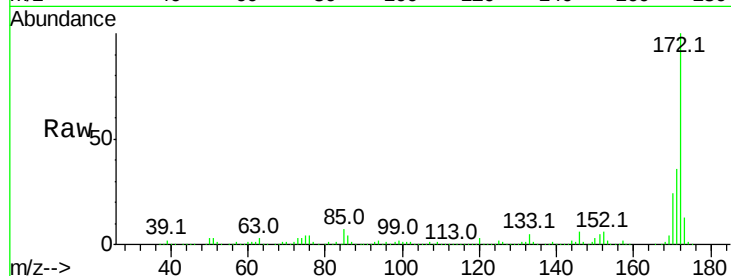
#44
 2-Fluorobiphenyl
 Concen: 75.71 ng
 RT: 8.68 min Scan# 1155
 Delta R.T. -0.01 min
 Lab File: BF094259.D
 Acq: 7 Apr 2017 7:50

Instrument :
 BNA_F
 ClientSampleId :
 COMP-3

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.6	44.4
170	24.1	19.8	29.8

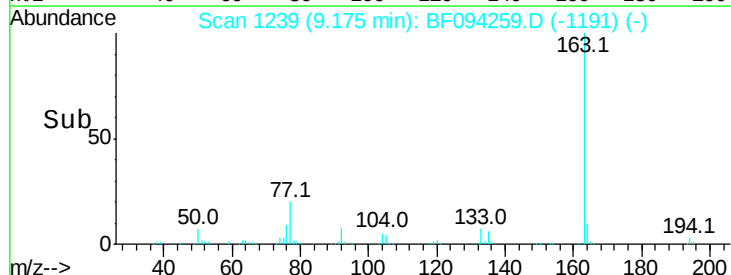
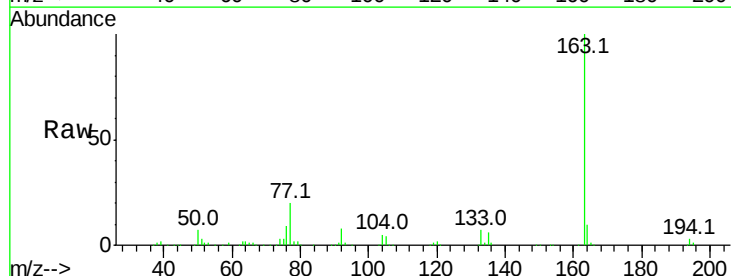
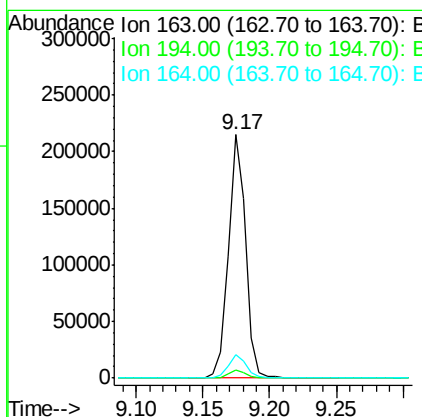
Manual Integrations
 APPROVED

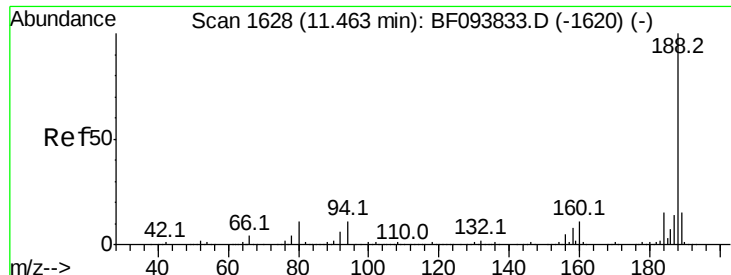
mohammad
 4/7/2017 5:21:32 PM



#49
 Dimethylphthalate
 Concen: 9.65 ng
 RT: 9.17 min Scan# 1239
 Delta R.T. -0.02 min
 Lab File: BF094259.D
 Acq: 7 Apr 2017 7:50

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.6	4.0
164	9.6	8.4	12.6





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.32 min Scan# 1603

Delta R.T. -0.01 min

Lab File: BF094259.D

Acq: 7 Apr 2017 7:50

Instrument :

BNA_F

ClientSampled :

COMP-3

Tot Ion:188 Resp: 446329

Ion Ratio Lower Upper

188 100

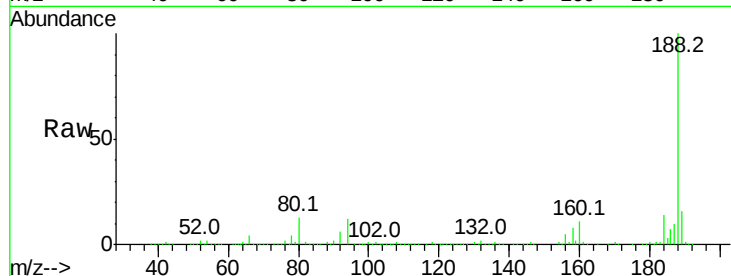
94 11.8 9.4 14.2

80 12.8 10.2 15.2

Manual Integrations
APPROVED

mohammad

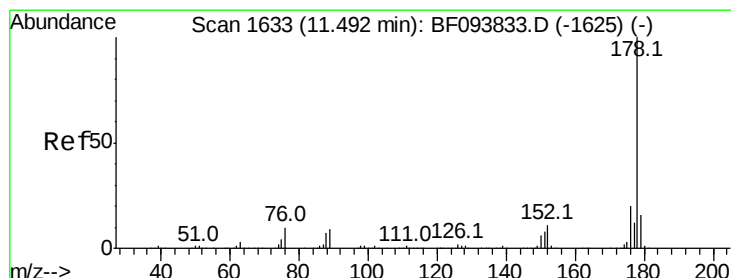
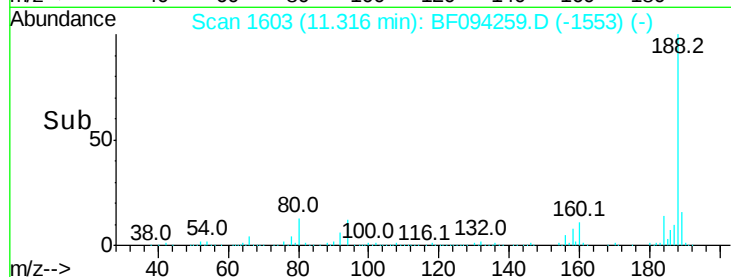
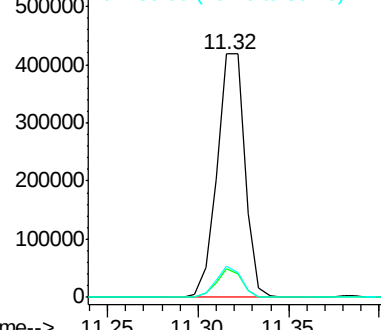
4/7/2017 5:21:32 PM



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: 2.84 ng

RT: 11.35 min Scan# 1608

Delta R.T. -0.01 min

Lab File: BF094259.D

Acq: 7 Apr 2017 7:50

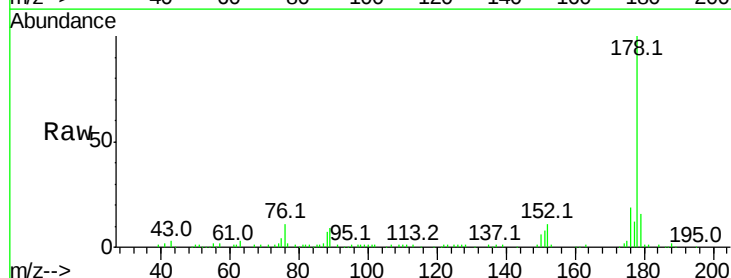
Tgt Ion:178 Resp: 70593

Ion Ratio Lower Upper

178 100

176 18.9 16.2 24.4

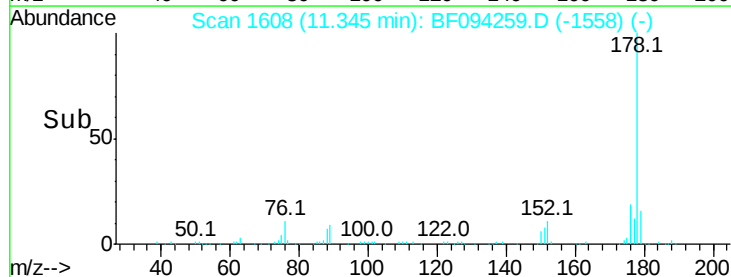
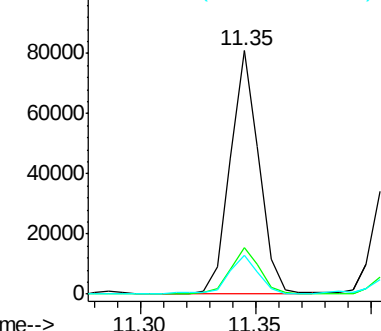
179 15.9 12.6 19.0

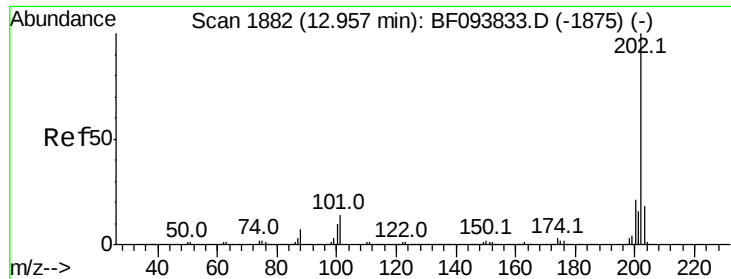


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





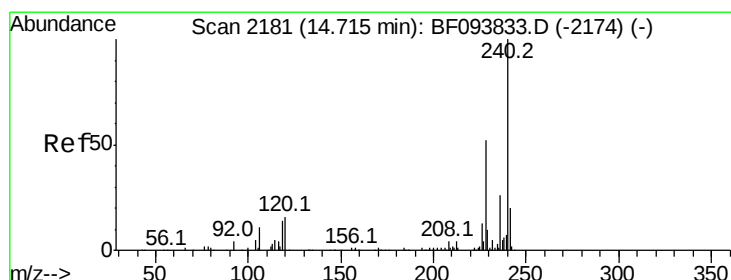
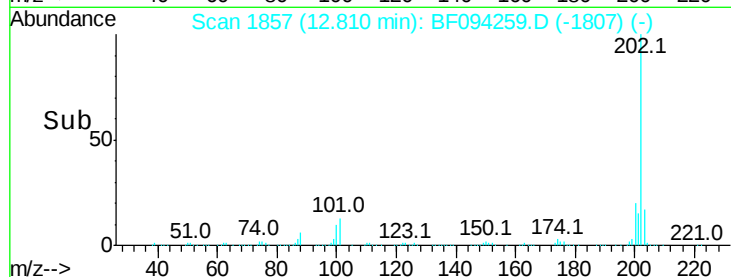
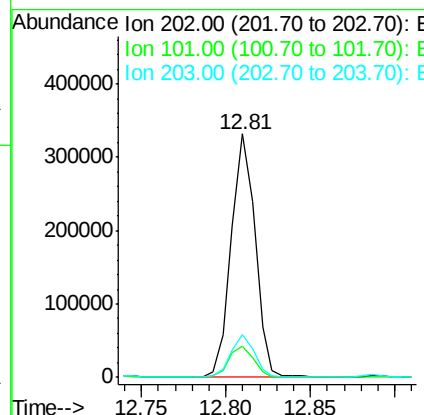
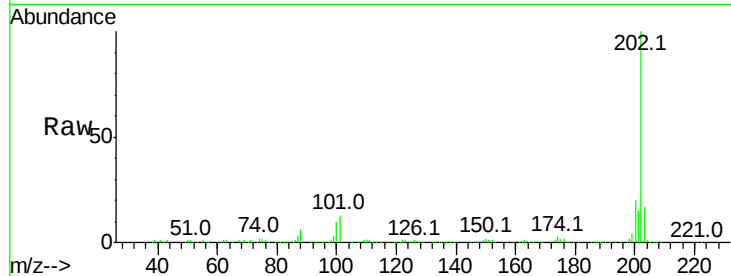
#74
Fluoranthene
Concen: 12.85 ng
RT: 12.81 min Scan# 1857
Delta R.T. -0.01 min
Lab File: BF094259.D
Acq: 7 Apr 2017 7:50

Instrument :
BNA_F
ClientSampleId :
COMP-3

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	13.0	0.0	33.2
203	17.3	0.0	38.1

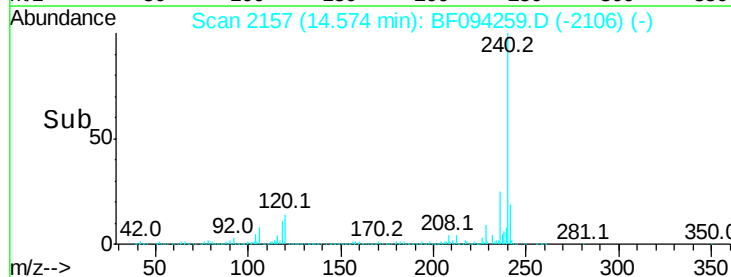
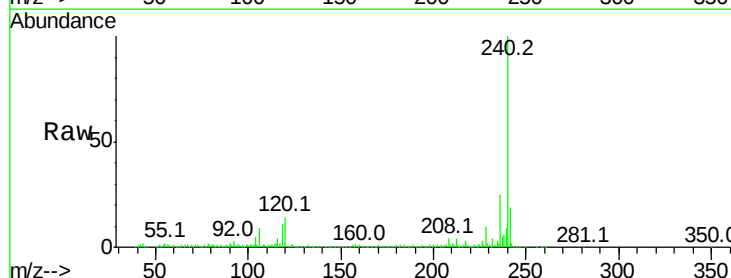
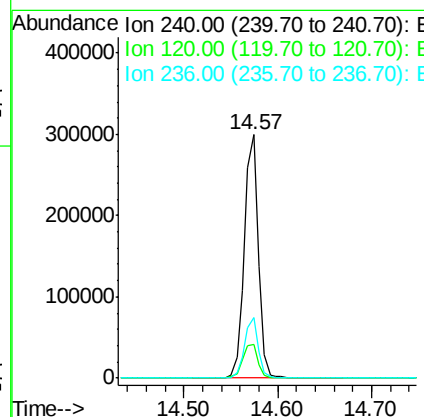
Manual Integrations
APPROVED

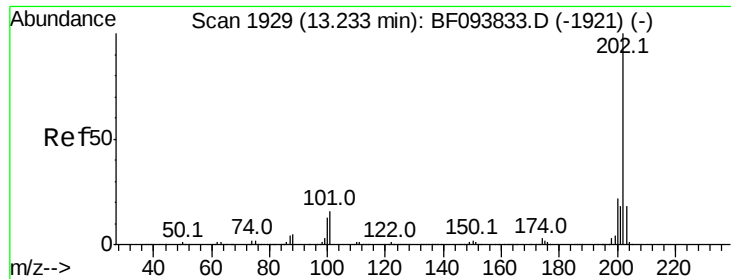
mohammad
4/7/2017 5:21:32 PM



#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.57 min Scan# 2157
Delta R.T. -0.00 min
Lab File: BF094259.D
Acq: 7 Apr 2017 7:50

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	13.9	5.8	8.8#
236	25.0	20.5	30.7





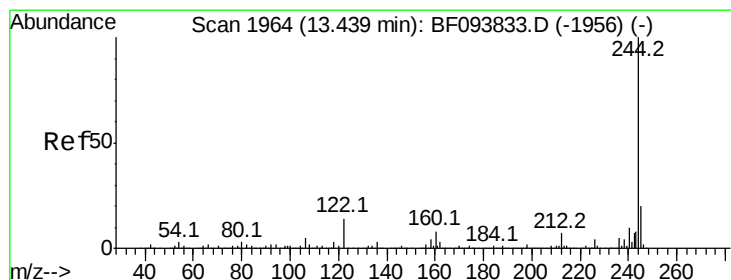
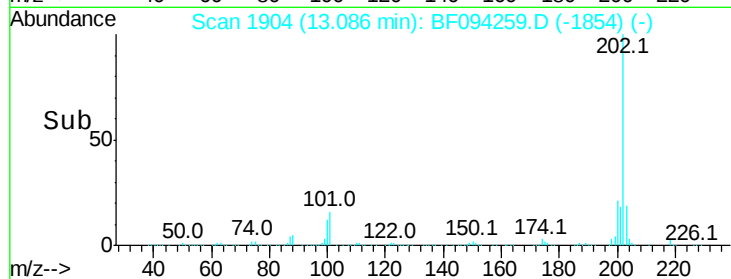
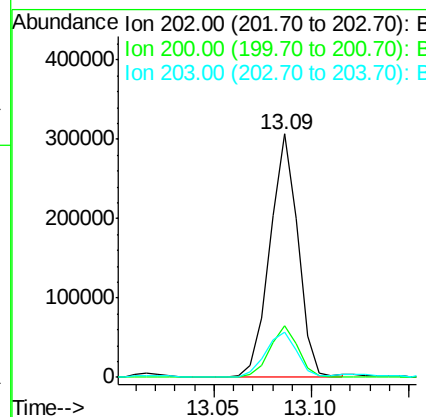
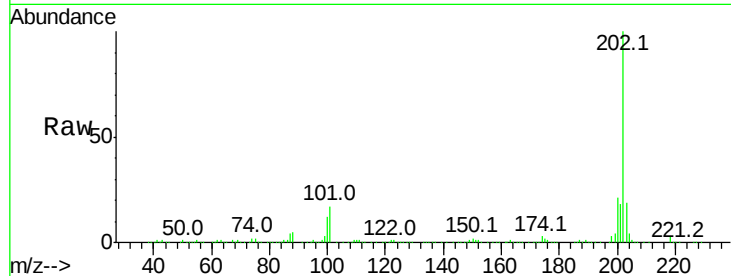
#77
Pvrene
Concen: 13.48 ng
RT: 13.09 min Scan# 1904
Delta R.T. -0.01 min
Lab File: BF094259.D
Acq: 7 Apr 2017 7:50

Instrument :
BNA_F
ClientSampleId :
COMP-3

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.6	26.4
203	18.8	14.4	21.6

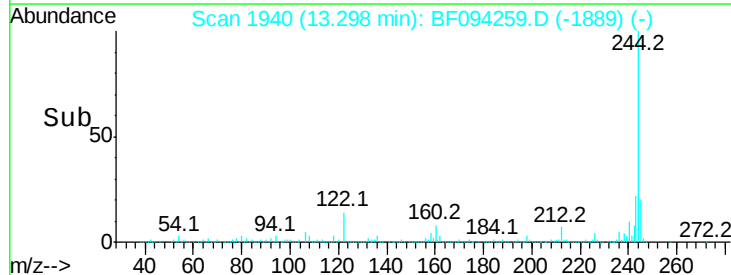
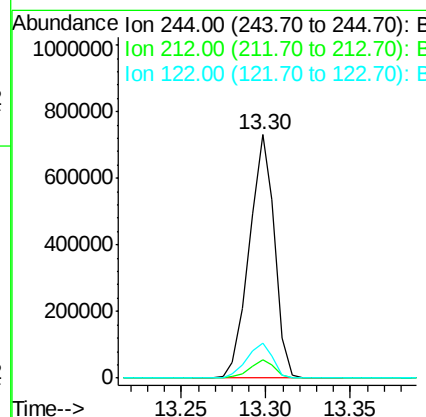
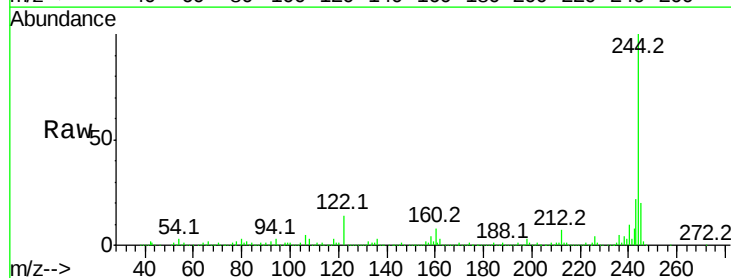
Manual Integrations
APPROVED

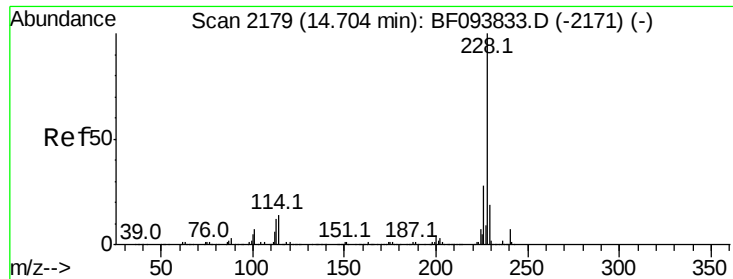
mohammad
4/7/2017 5:21:32 PM



#78
Terphenyl-d14
Concen: 55.01 ng
RT: 13.30 min Scan# 1940
Delta R.T. 0.00 min
Lab File: BF094259.D
Acq: 7 Apr 2017 7:50

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.0	9.0
122	14.1	10.3	15.5





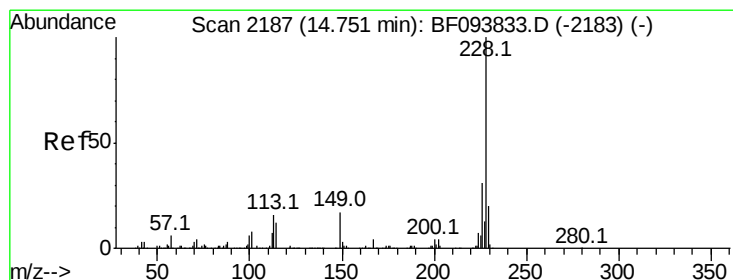
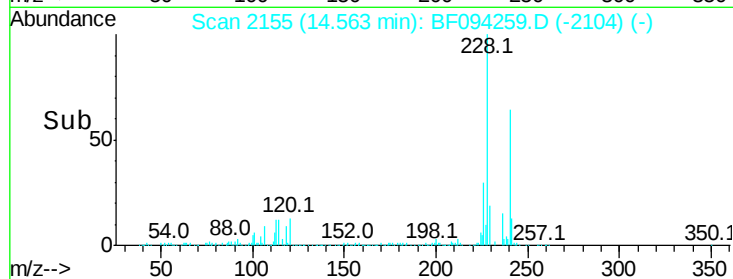
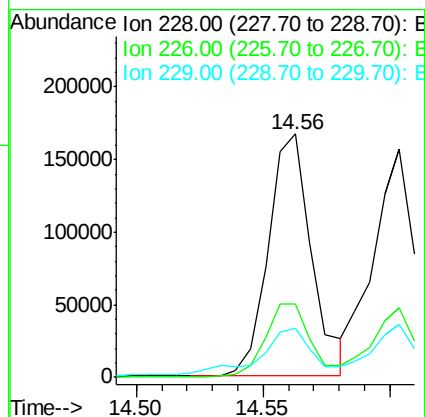
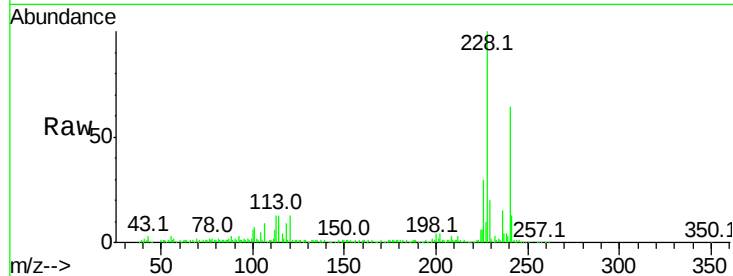
#80
Benzo(a)anthracene
Concen: 11.01 ng
RT: 14.56 min Scan# 2155
Delta R.T. -0.00 min
Lab File: BF094259.D
Acq: 7 Apr 2017 7:50

Instrument :
BNA_F
ClientSampled :
COMP-3

Tot Ion	Ion	Ratio	Resp	Lower	Upper
228	100		199284		
226	30.2	22.6	33.8		
229	20.2	16.3	24.5		

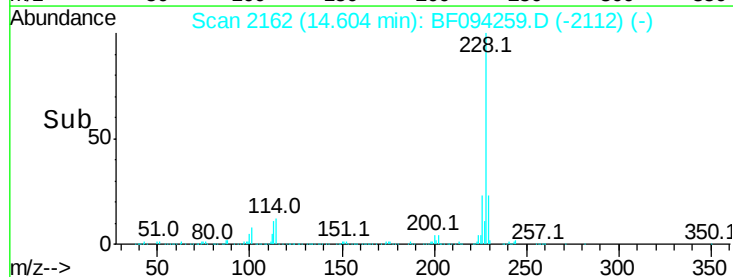
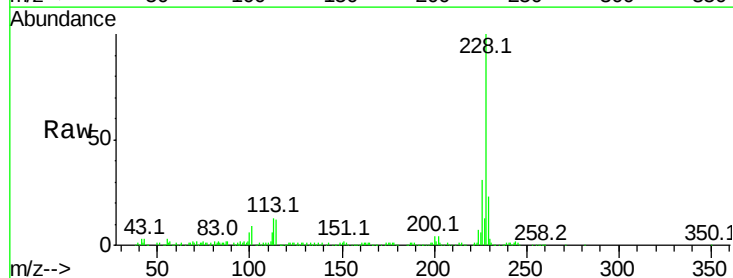
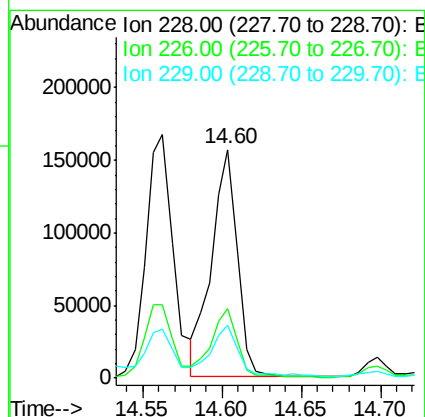
Manual Integrations
APPROVED

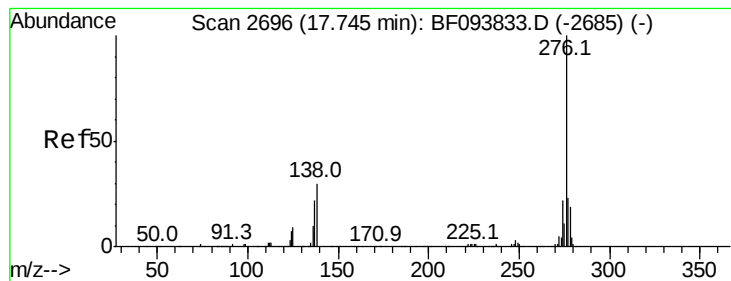
mohammad
4/7/2017 5:21:32 PM



#82
Chrysene
Concen: 10.57 ng
RT: 14.60 min Scan# 2162
Delta R.T. -0.01 min
Lab File: BF094259.D
Acq: 7 Apr 2017 7:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
228	100		177423		
226	30.6	24.9	37.3		
229	23.0	15.8	23.6		





#85

Indeno(1,2,3-cd)pyrene

Concen: 3.76 ng

RT: 17.52 min Scan# 2658

Delta R.T. -0.00 min

Lab File: BF094259.D

Acq: 7 Apr 2017 7:50

Instrument :

BNA_F

ClientSampleId :

COMP-3

Tot Ion:276 Resp: 54638

Ion Ratio Lower Upper

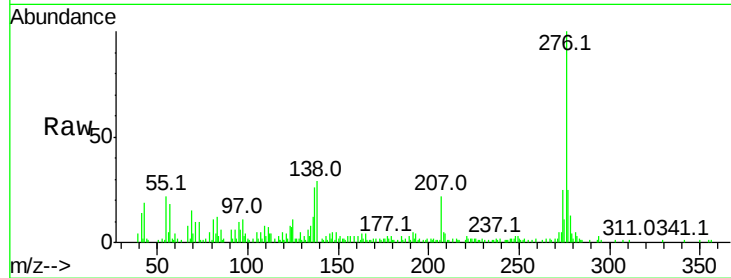
276 100

138 32.9 27.8 41.6

277 28.3 20.2 30.4

Manual Integrations
APPROVED

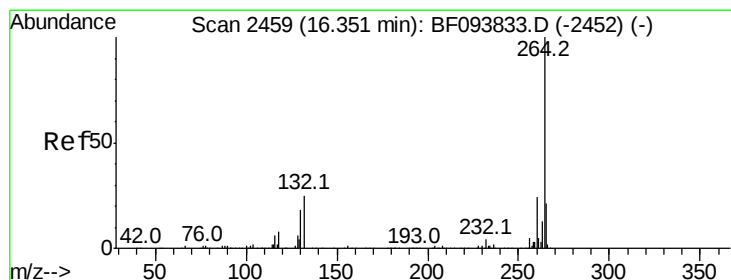
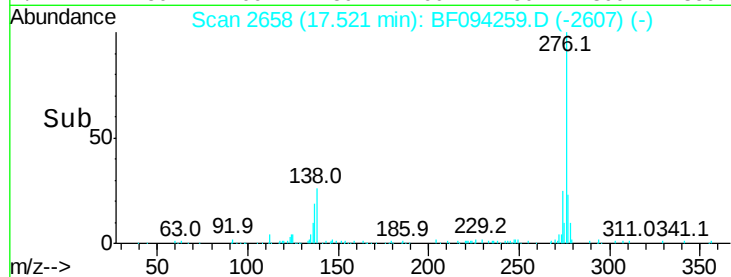
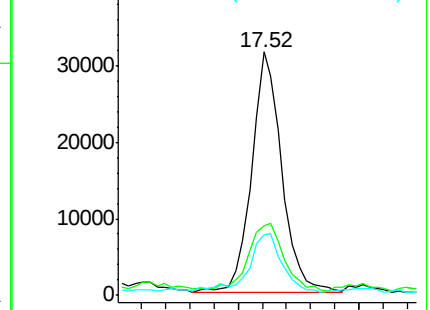
mohammad
4/7/2017 5:21:32 PM



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: 16.20 min Scan# 2434

Delta R.T. 0.01 min

Lab File: BF094259.D

Acq: 7 Apr 2017 7:50

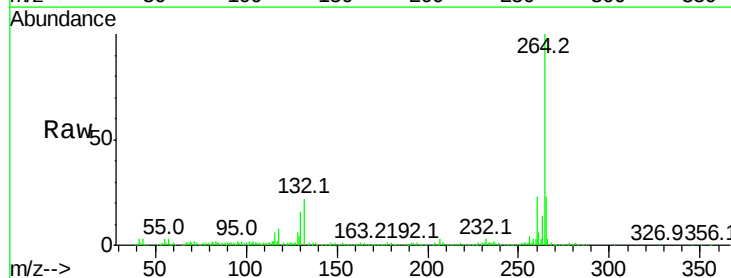
Tgt Ion:264 Resp: 261881

Ion Ratio Lower Upper

264 100

260 23.4 19.5 29.3

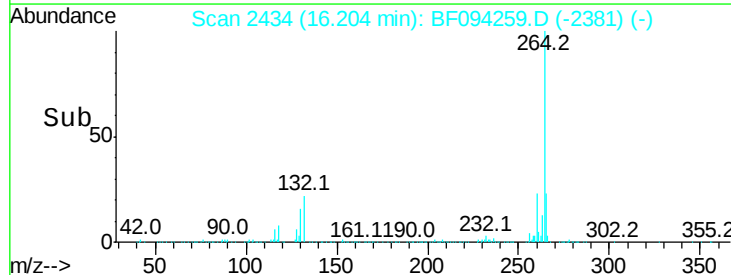
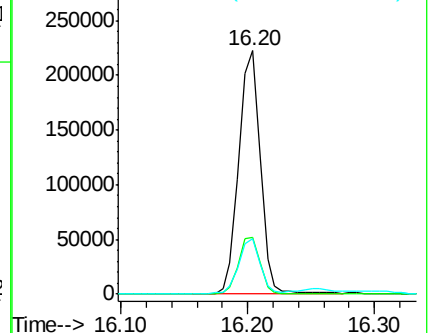
265 22.8 17.2 25.8

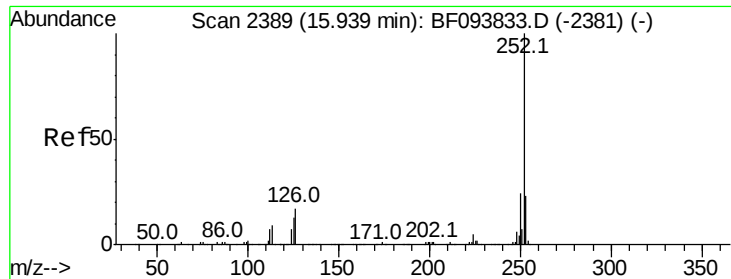


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





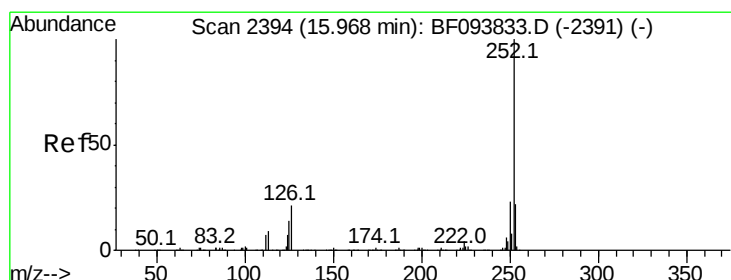
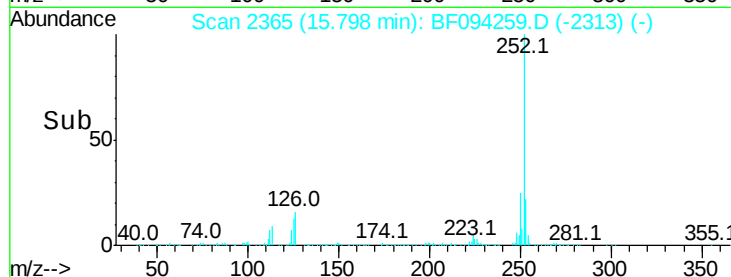
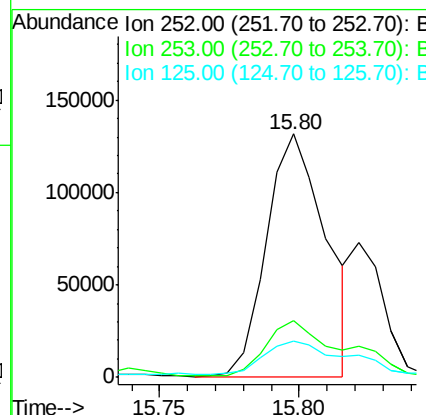
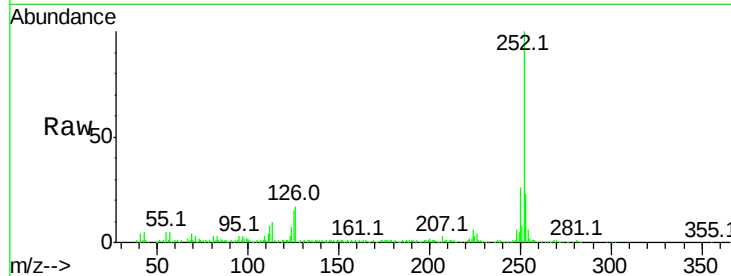
#87
Benzo(b)fluoranthene
Concen: 12.24 ng m
RT: 15.80 min Scan# 2365
Delta R.T. 0.01 min
Lab File: BF094259.D
Acq: 7 Apr 2017 7:50

Instrument :
BNA_F
ClientSampleId :
COMP-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.1	27.1
125	14.7	9.8	14.8

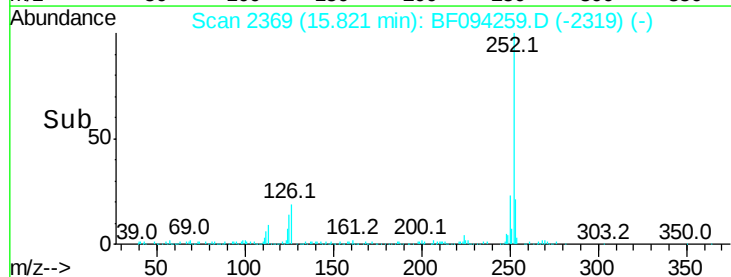
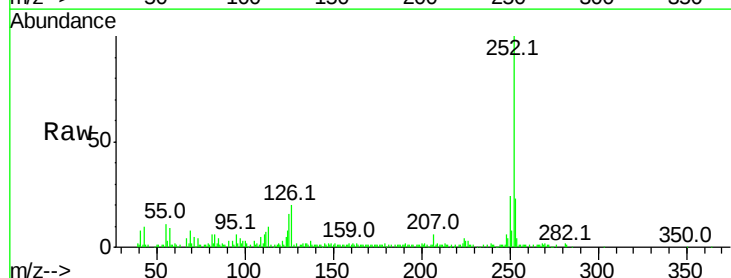
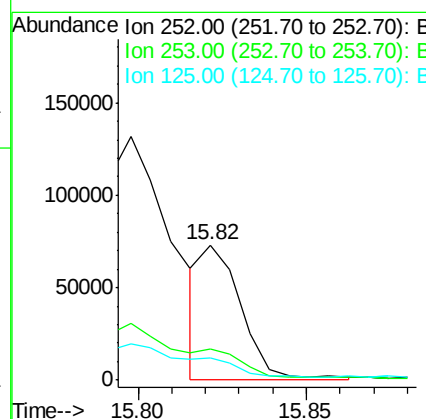
Manual Integrations
APPROVED

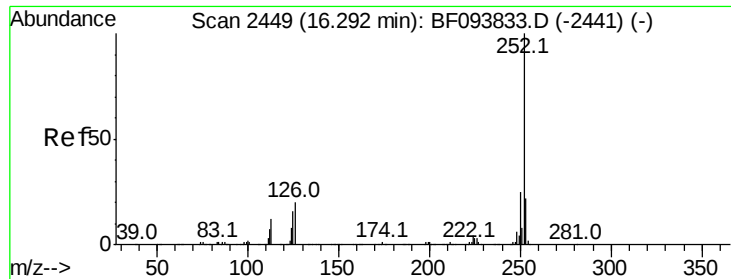
mohammad
4/7/2017 5:21:32 PM



#88
Benzo(k)fluoranthene
Concen: 3.85 ng m
RT: 15.82 min Scan# 2369
Delta R.T. -0.01 min
Lab File: BF094259.D
Acq: 7 Apr 2017 7:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.4	27.6
125	16.5	13.1	19.7





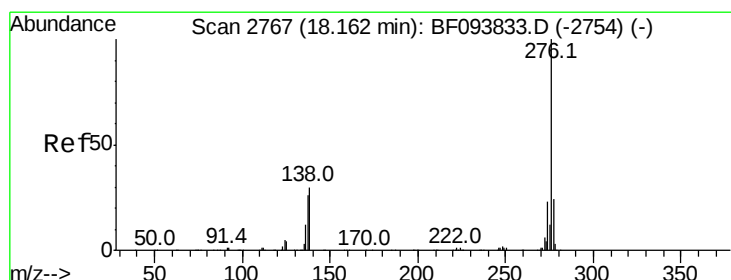
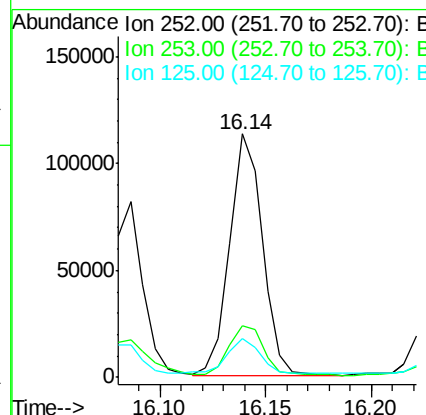
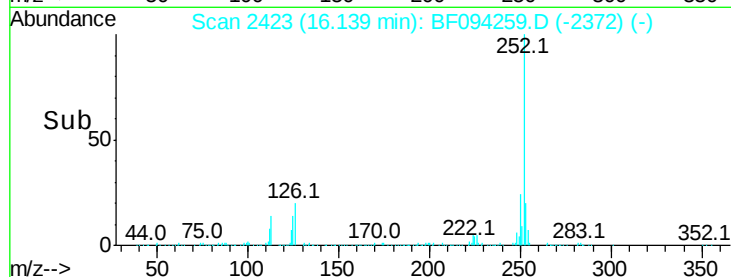
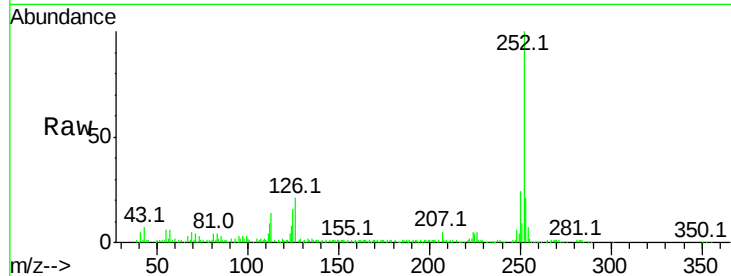
#89
Benzo(a)pyrene
Concen: 8.22 ng
RT: 16.14 min Scan# 2423
Delta R.T. -0.00 min
Lab File: BF094259.D
Acq: 7 Apr 2017 7:50

Instrument :
BNA_F
ClientSampleId :
COMP-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.5	26.3
125	15.8	11.0	16.4

Manual Integrations
APPROVED

mohammad
4/7/2017 5:21:32 PM



#91
Benzo(g,h,i)perylene
Concen: 4.02 ng
RT: 17.91 min Scan# 2724
Delta R.T. 0.00 min
Lab File: BF094259.D
Acq: 7 Apr 2017 7:50

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.1	18.6	28.0
138	34.3	25.4	38.0

