

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041317\
 Data File : BF094425.D
 Acq On : 14 Apr 2017 11:27
 Operator : SJ/MA
 Sample : I2672-03 100X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-Z9-ESW

Manual Integrations
 APPROVED

mohammad
 4/14/2017 1:36:14 PM

Quant Time: Apr 14 11:56:32 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 14 01:21:26 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.79	152	141173	20.00	ng	-0.04
21) Naphthalene-d8	7.29	136	541795	20.00	ng	-0.05
38) Acenaphthene-d10	9.42	164	226456	20.00	ng	-0.05
63) Phenanthrene-d10	11.24	188	346534	20.00	ng	-0.05
75) Chrysene-d12	14.49	240	270105	20.00	ng	-0.06
86) Perylene-d12	16.12	264	210814	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	4.34	112	1071	0.13	ng	-0.04
7) Phenol-d6	5.42	99	1796	0.17	ng	-0.05
23) Nitrobenzene-d5	6.43	82	1985	0.21	ng	-0.06
41) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
44) 2-Fluorobiphenyl	8.60	172	2653	0.18	ng	-0.05
78) Terphenyl-d14	13.22	244	2040	0.17	ng	-0.06
Target Compounds						
31) Naphthalene	7.31	128	131774	5.06	ng	98
37) 2-Methylnaphthalene	8.15	142	167223	9.63	ng	98
51) Acenaphthene	9.46	154	79008	5.70	ng	96
54) Dibenzofuran	9.67	168	82735	4.38	ng	98
57) Fluorene	10.10	166	83870	5.36	ng	100
70) Phenanthrene	11.27	178	284459	14.76	ng	98
74) Fluoranthene	12.73	202	125821	6.37	ng	97
77) Pyrene	13.00	202	88878m	4.53	ng	

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

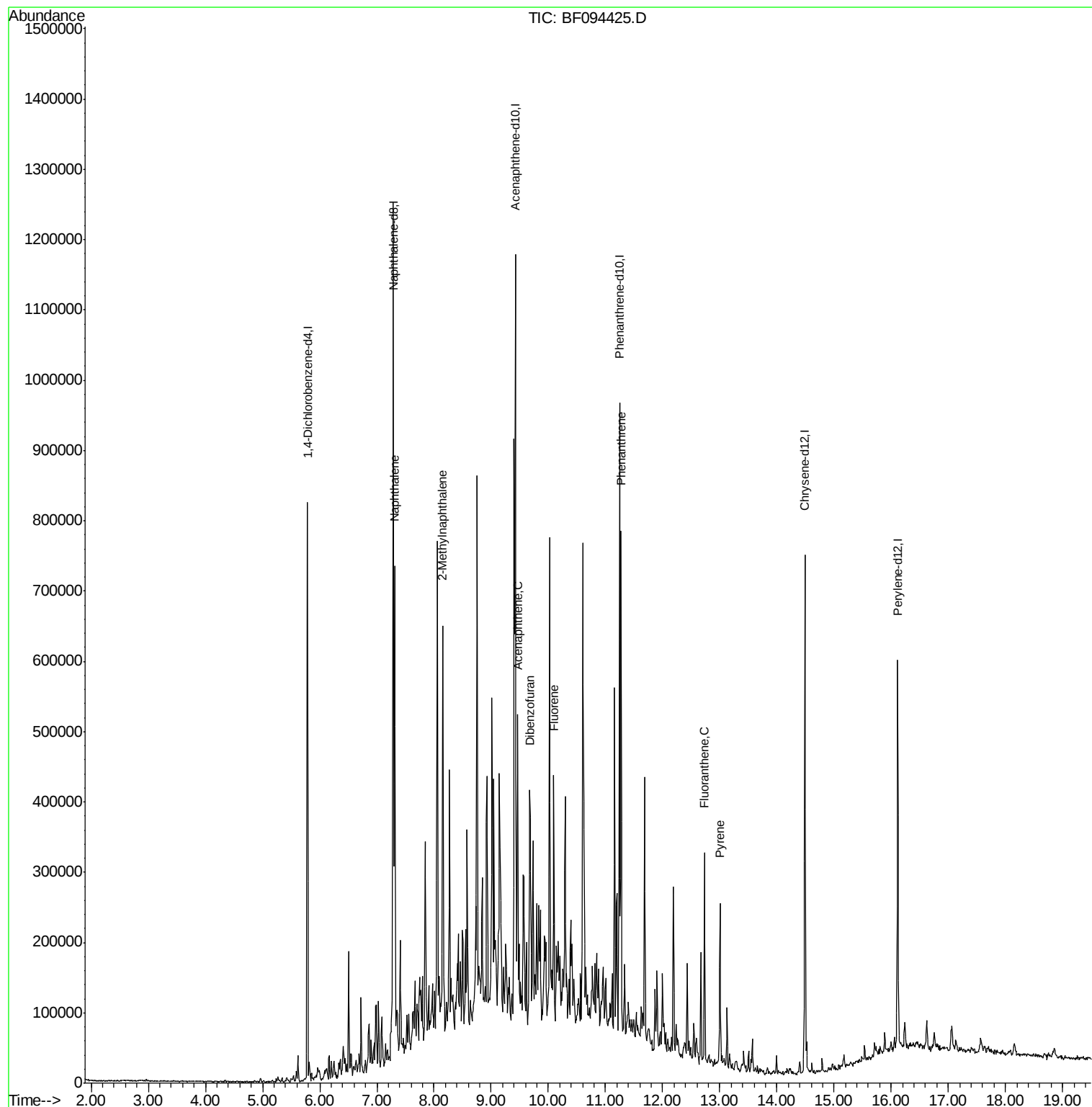
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041317\
Data File : BF094425.D
Acq On : 14 Apr 2017 11:27
Operator : SJ/MA
Sample : I2672-03 100X
Misc :
ALS Vial : 36 Sample Multiplier: 1

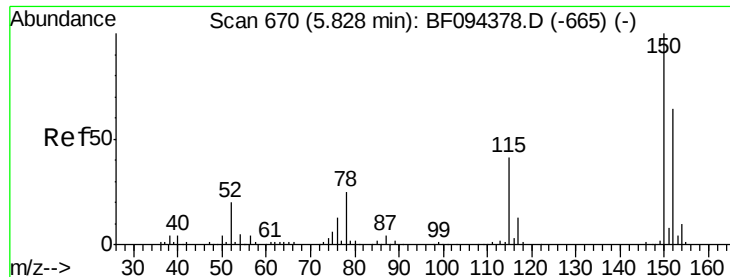
Instrument :
BNA_F
ClientSampleId :
E2-Z9-ESW

Manual Integrations
APPROVED

mohammad
4/14/2017 1:36:14 PM

Quant Time: Apr 14 11:56:32 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 14 01:21:26 2017
Response via : Initial Calibration

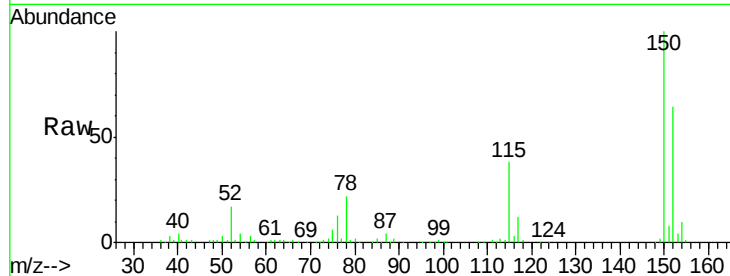




#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.79 min Scan# 663
Delta R.T. -0.04 min
Lab File: BF094425.D
Acq: 14 Apr 2017 11:27

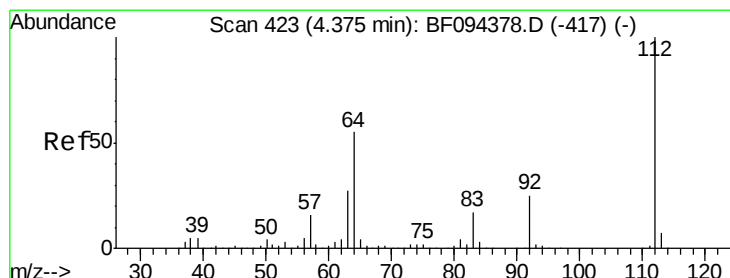
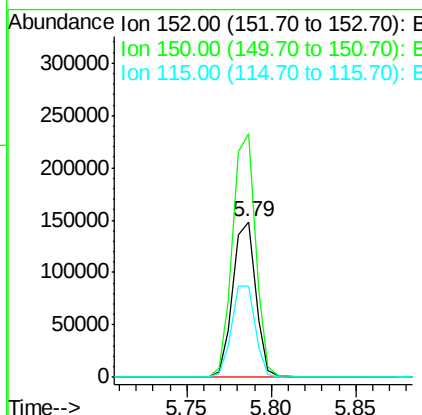
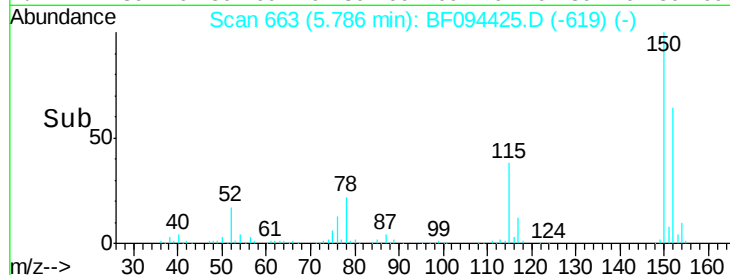
Instrument :
BNA_F
ClientSampleId :
E2-Z9-ESW



Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.6	126.2	189.2
115	59.0	52.2	78.2

Manual Integrations
APPROVED

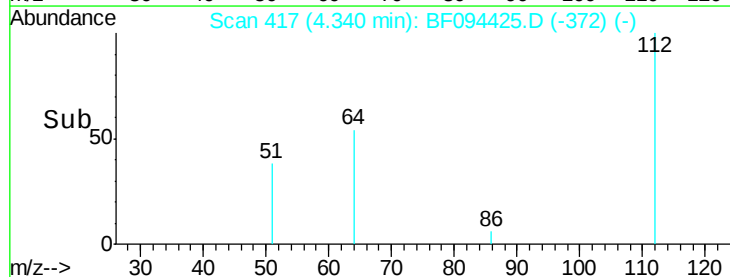
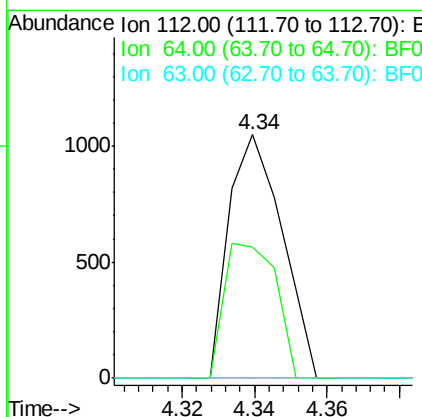
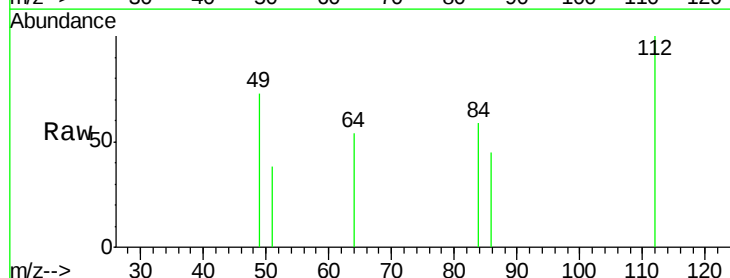
mohammad
4/14/2017 1:36:14 PM

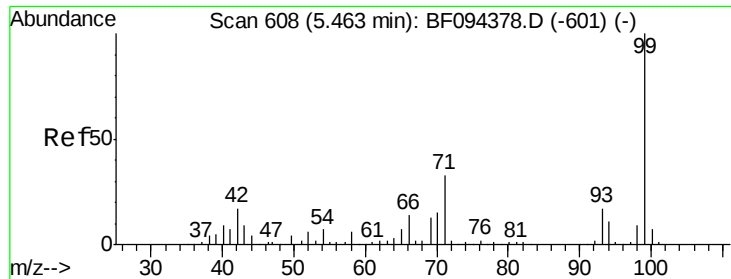


#5

2-Fluorophenol
Concen: 0.13 ng
RT: 4.34 min Scan# 417
Delta R.T. -0.04 min
Lab File: BF094425.D
Acq: 14 Apr 2017 11:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.1	46.0	69.0
63	0.0	23.4	35.0





#7

Phenol-d6

Concen: 0.17 ng

RT: 5.42 min Scan# 600

Delta R.T. -0.05 min

Lab File: BF094425.D

Acq: 14 Apr 2017 11:27

Instrument :

BNA_F

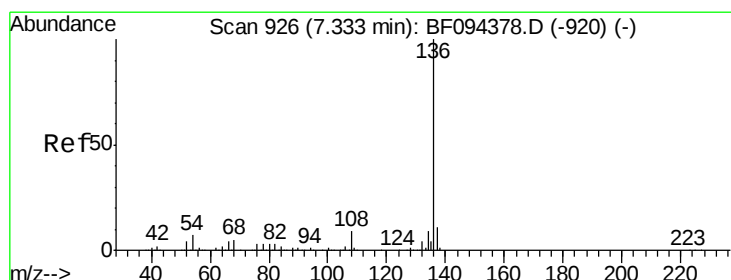
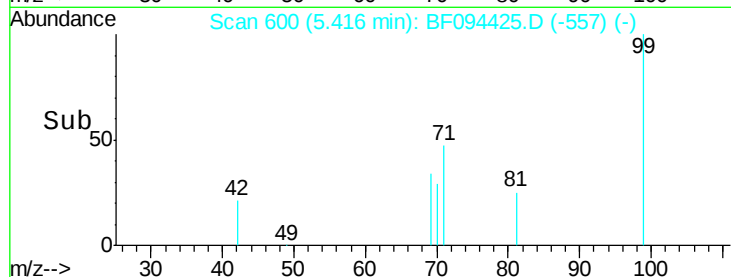
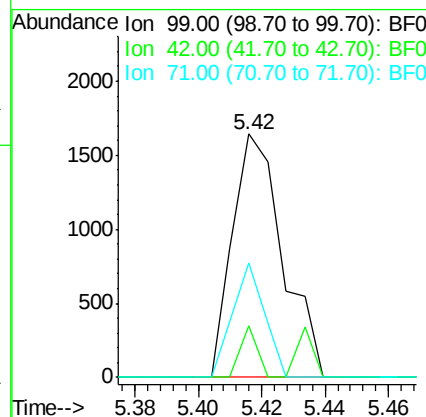
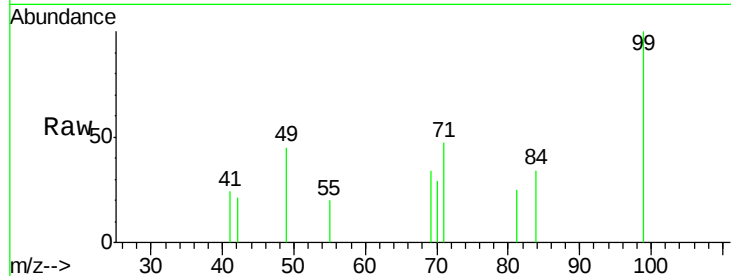
ClientSampleId :

E2-Z9-ESW

Tgt Ion:	99	Resp:	1796
Ion Ratio	Lower	Upper	
99	100		
42	21.4	13.5	20.3#
71	46.9	24.5	36.7#

Manual Integrations
APPROVED

mohammad
4/14/2017 1:36:14 PM



#21

Naphthalene-d8

Concen: 20.00 ng

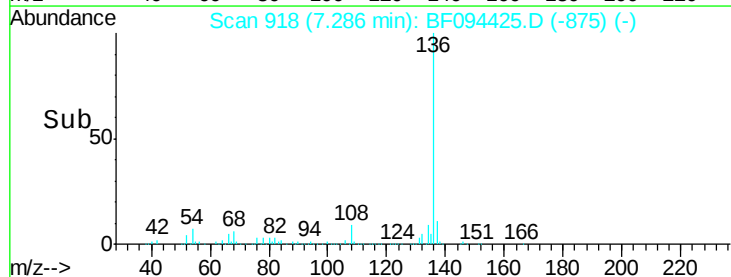
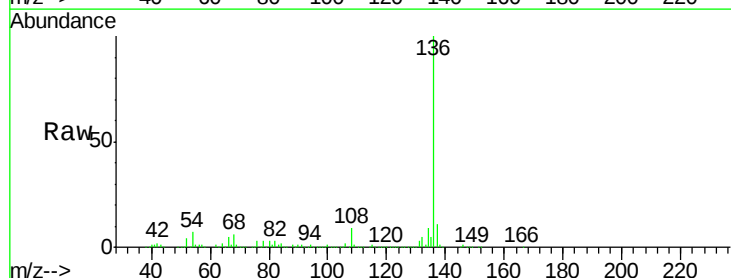
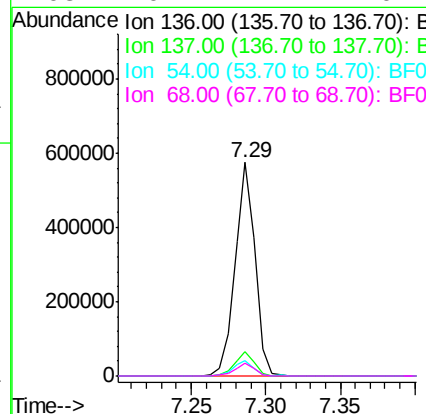
RT: 7.29 min Scan# 918

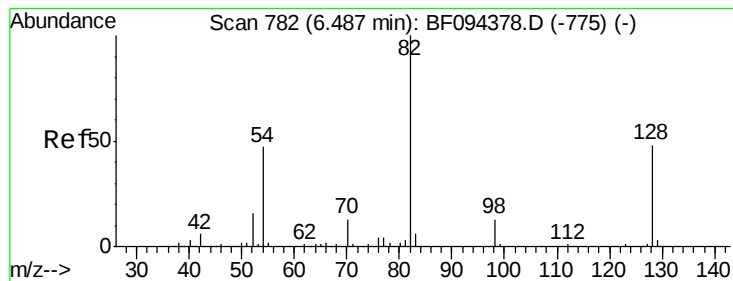
Delta R.T. -0.05 min

Lab File: BF094425.D

Acq: 14 Apr 2017 11:27

Tgt Ion:	136	Resp:	541795
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.5	12.7
54	7.4	4.9	7.3#
68	6.2	4.1	6.1#





#23

Nitrobenzene-d5

Concen: 0.21 ng

RT: 6.43 min Scan# 772

Delta R.T. -0.06 min

Lab File: BF094425.D

Acq: 14 Apr 2017 11:27

Instrument :

BNA_F

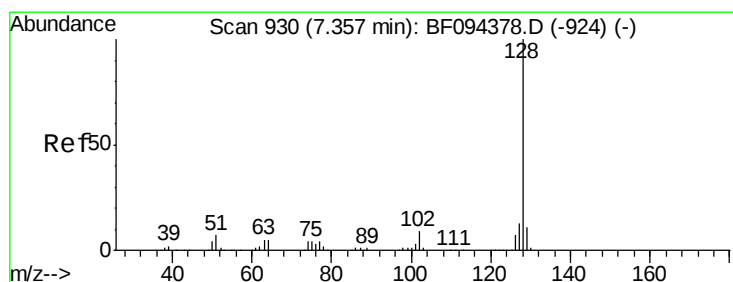
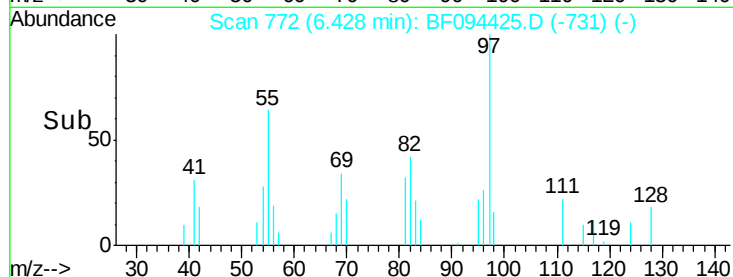
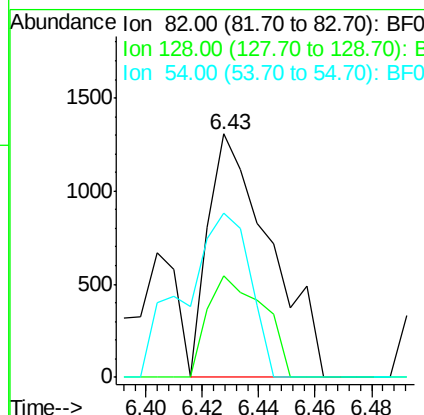
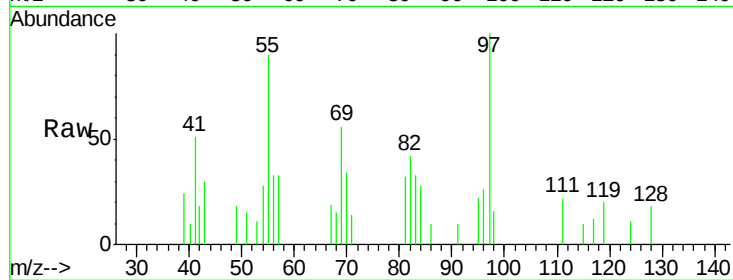
ClientSampleId :

E2-Z9-ESW

Tgt Ion:	82	Resp:	1985
Ion Ratio	Lower	Upper	
82	100		
128	41.6	34.0	51.0
54	67.4	42.2	63.2

Manual Integrations
APPROVED

mohammad
4/14/2017 1:36:14 PM



#31

Naphthalene

Concen: 5.06 ng

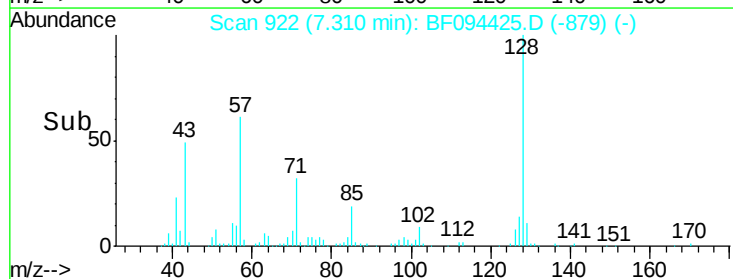
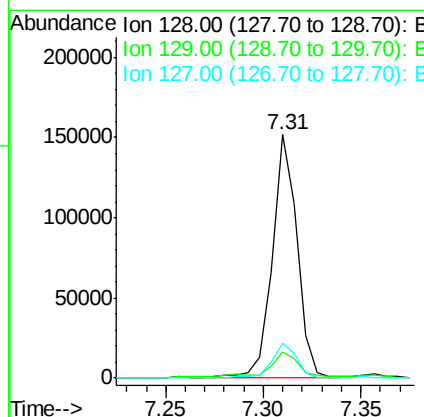
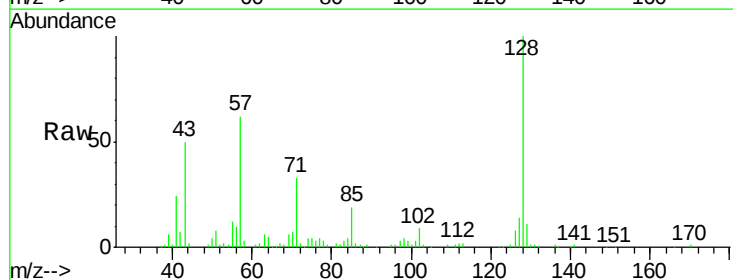
RT: 7.31 min Scan# 922

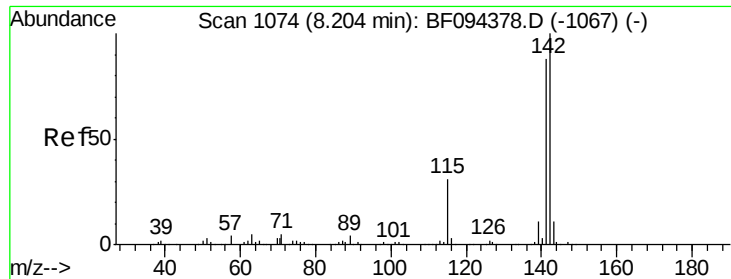
Delta R.T. -0.05 min

Lab File: BF094425.D

Acq: 14 Apr 2017 11:27

Tgt Ion:	128	Resp:	131774
Ion Ratio	Lower	Upper	
128	100		
129	10.5	9.0	13.6
127	14.4	10.8	16.2





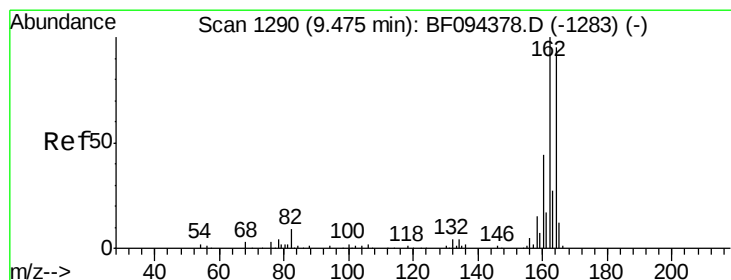
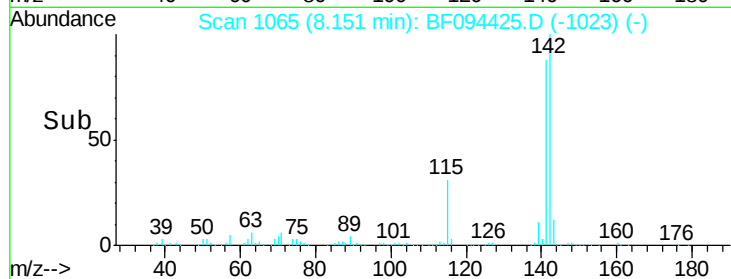
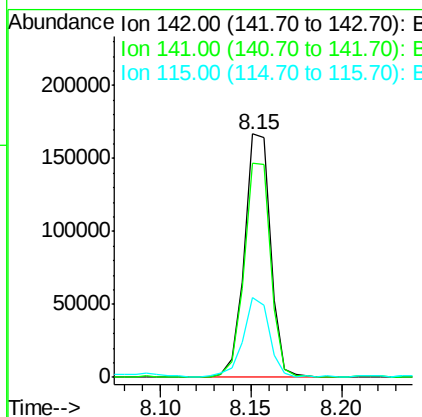
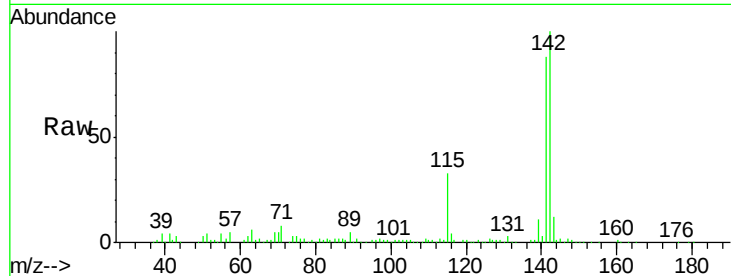
#37
2-Methylnaphthalene
Concen: 9.63 ng
RT: 8.15 min Scan# 1065
Delta R.T. -0.05 min
Lab File: BF094425.D
Acq: 14 Apr 2017 11:27

Instrument :
BNA_F
ClientSampleId :
E2-Z9-ESW

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	167223		
141	87.8	71.3	106.9	
115	32.6	27.1	40.7	

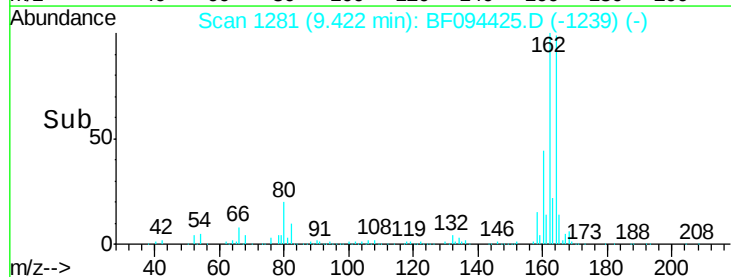
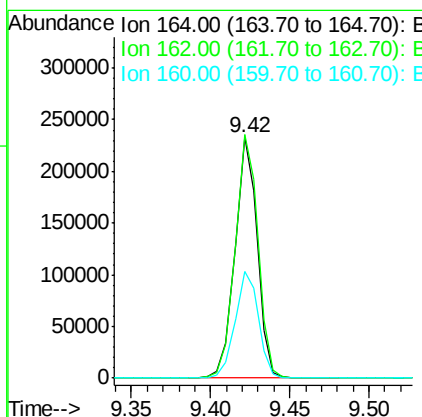
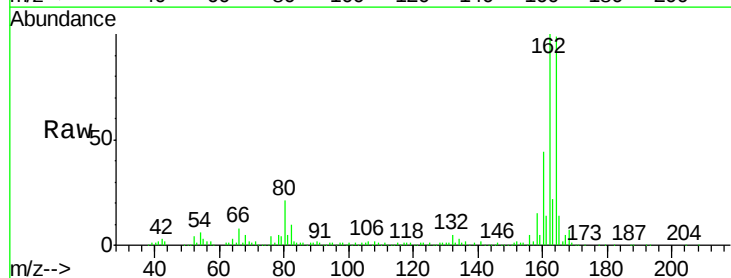
Manual Integrations
APPROVED

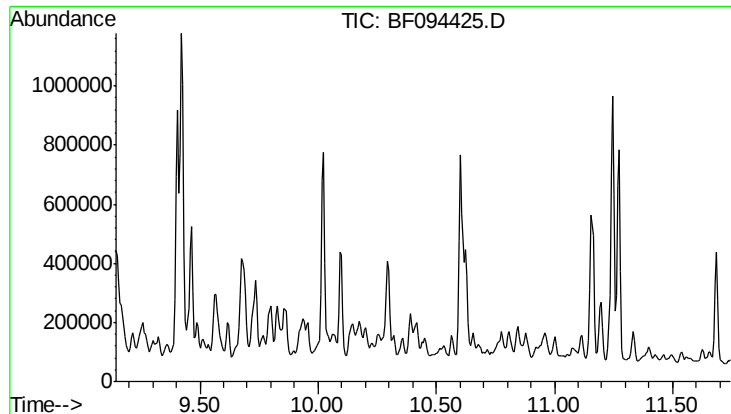
mohammad
4/14/2017 1:36:14 PM



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.42 min Scan# 1281
Delta R.T. -0.05 min
Lab File: BF094425.D
Acq: 14 Apr 2017 11:27

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	226456		
162	101.2	82.6	123.8	
160	44.1	36.2	54.2	





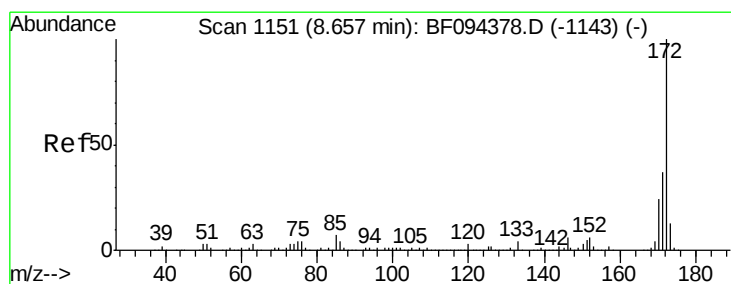
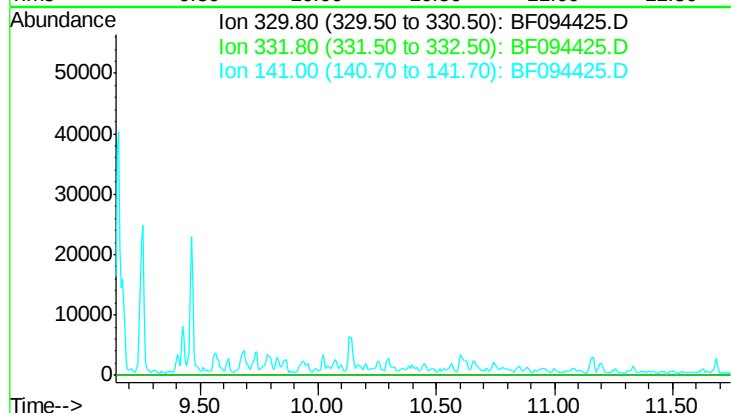
#41
 2,4,6-Tribromophenol
 Concen: 0.00 ng
 Expected RT: 10.45 min
 Lab File: BF094425.D
 Acq: 14 Apr 2017 11:27

Instrument :
 BNA_F
 ClientSampleId :
 E2-Z9-ESW

Tgt Ion: 330
 Sig Exp Ratio
 330 100
 332 95.8
 141 39.3

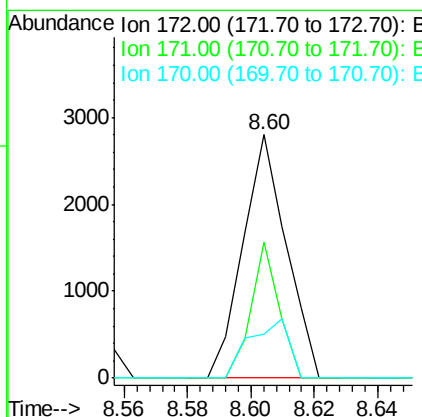
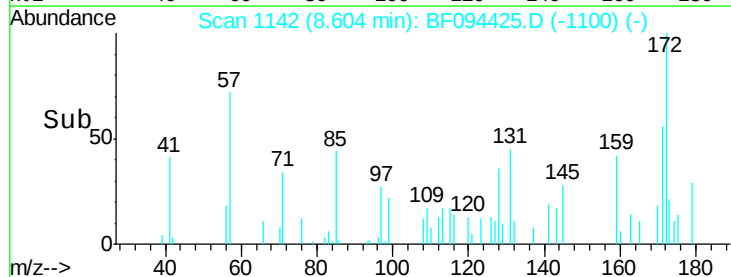
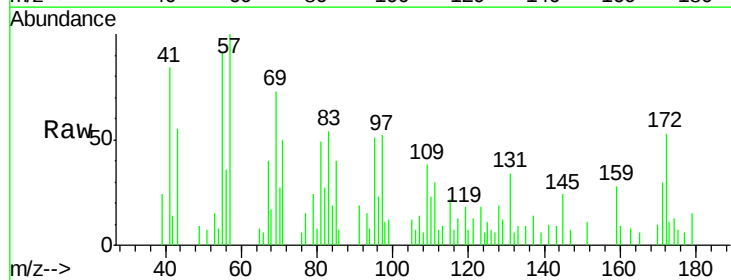
Manual Integrations
 APPROVED

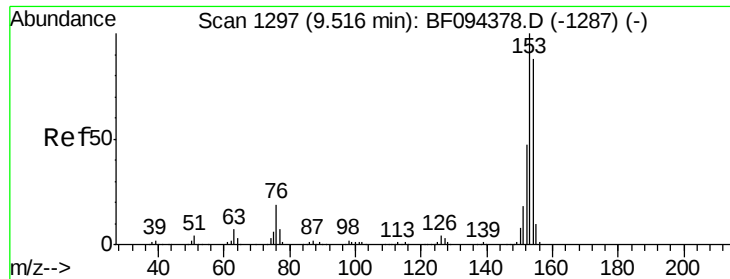
mohammad
 4/14/2017 1:36:14 PM



#44
 2-Fluorobiphenyl
 Concen: 0.18 ng
 RT: 8.60 min Scan# 1142
 Delta R.T. -0.05 min
 Lab File: BF094425.D
 Acq: 14 Apr 2017 11:27

Tgt Ion: 172 Resp: 2653
 Ion Ratio Lower Upper
 172 100
 171 55.7 29.6 44.4#
 170 18.3 19.8 29.8#





#51

Acenaphthene

Concen: 5.70 ng

RT: 9.46 min Scan# 1288

Delta R.T. -0.05 min

Lab File: BF094425.D

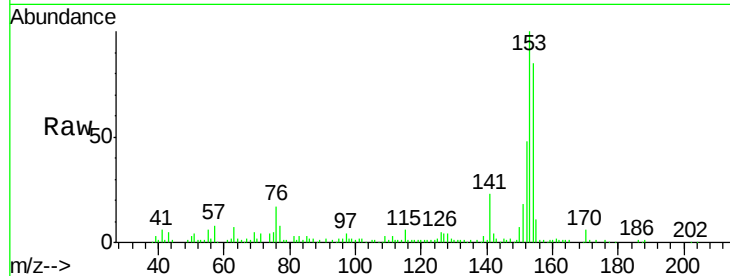
Acq: 14 Apr 2017 11:27

Instrument :

BNA_F

ClientSampleId :

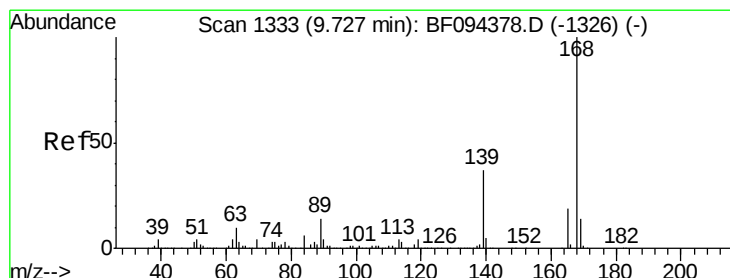
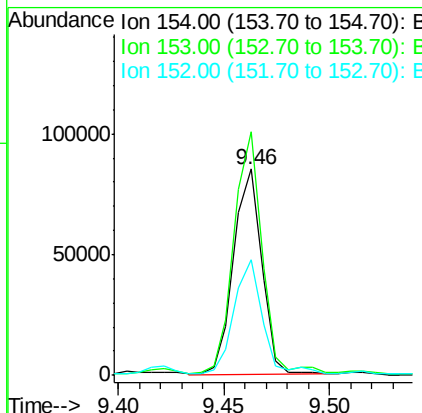
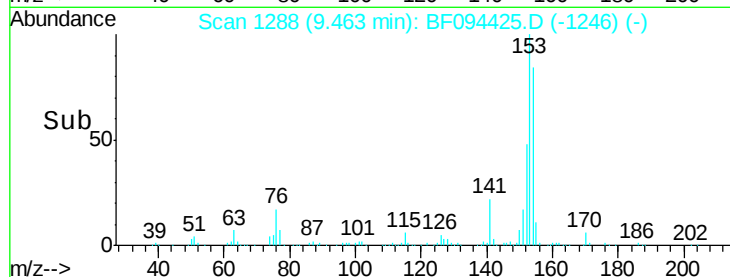
E2-Z9-ESW



Tgt Ion:	154	Resp:	79008
Ion	Ratio	Lower	Upper
154	100		
153	118.1	90.5	135.7
152	56.3	43.6	65.4

Manual Integrations
APPROVED

mohammad
4/14/2017 1:36:14 PM



#54

Dibenzofuran

Concen: 4.38 ng

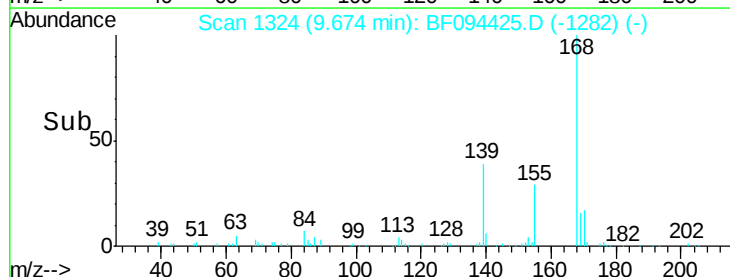
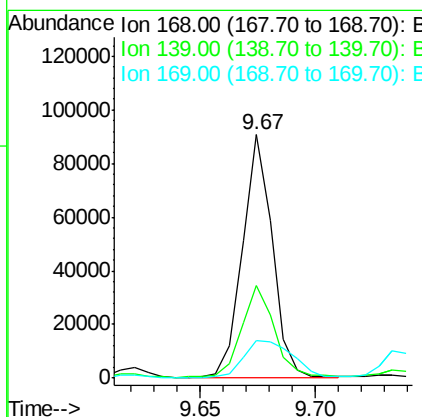
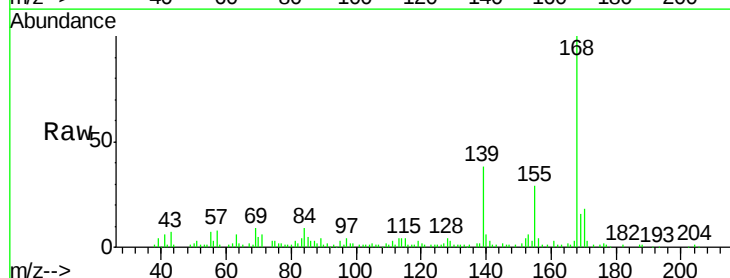
RT: 9.67 min Scan# 1324

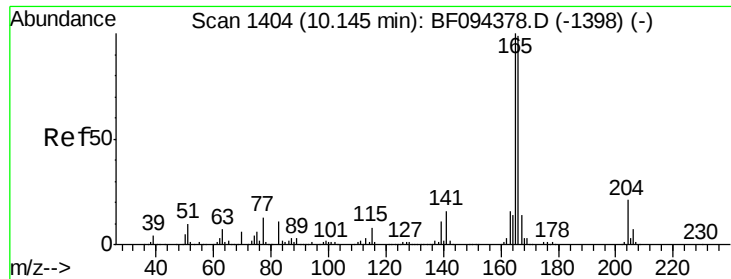
Delta R.T. -0.05 min

Lab File: BF094425.D

Acq: 14 Apr 2017 11:27

Tgt Ion:	168	Resp:	82735
Ion	Ratio	Lower	Upper
168	100		
139	38.0	30.6	45.8
169	15.6	10.8	16.2





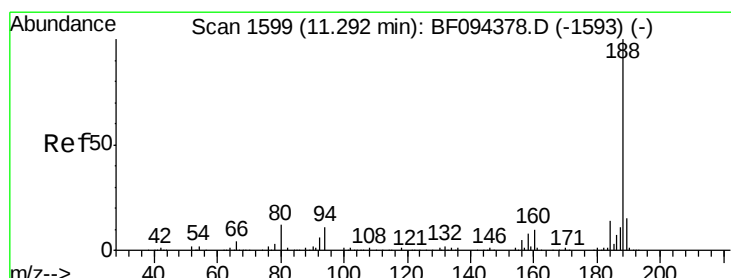
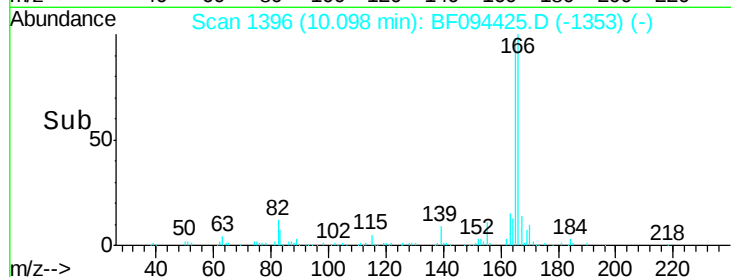
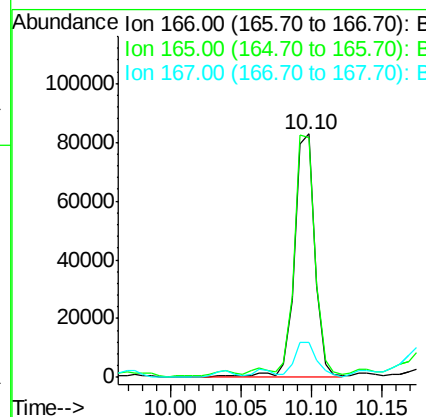
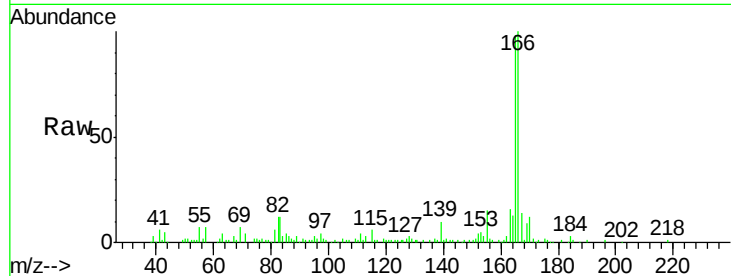
#57
Fluorene
 Concen: 5.36 ng
 RT: 10.10 min Scan# 1396
 Delta R.T. -0.05 min
 Lab File: BF094425.D
 Acq: 14 Apr 2017 11:27

Instrument :
 BNA_F
 ClientSampled :
 E2-Z9-ESW

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	83870		
165	98.3	78.8	118.2	
167	14.2	10.6	16.0	

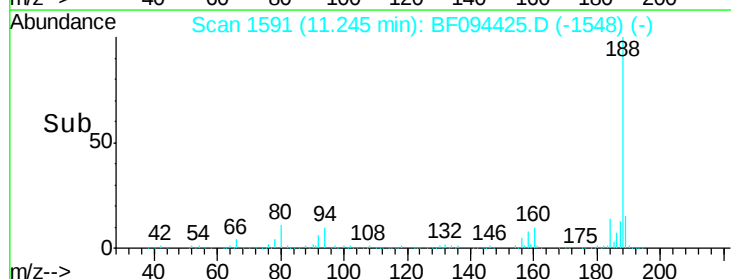
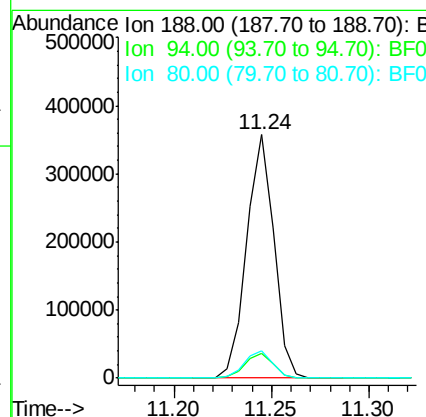
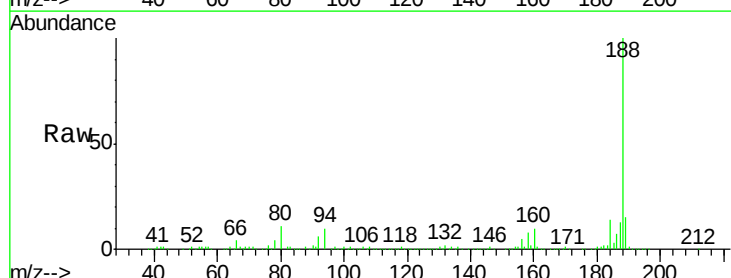
Manual Integrations
 APPROVED

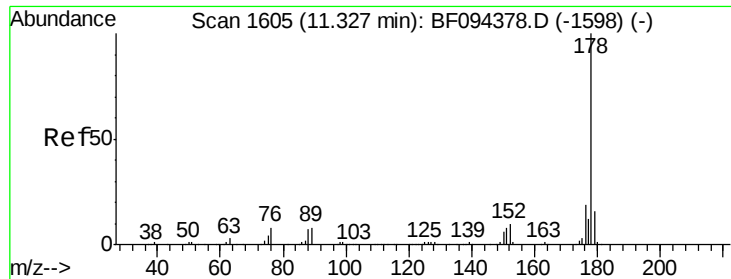
mohammad
 4/14/2017 1:36:14 PM



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.24 min Scan# 1591
 Delta R.T. -0.05 min
 Lab File: BF094425.D
 Acq: 14 Apr 2017 11:27

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	346534		
94	10.0	9.4	14.2	
80	11.1	10.2	15.2	





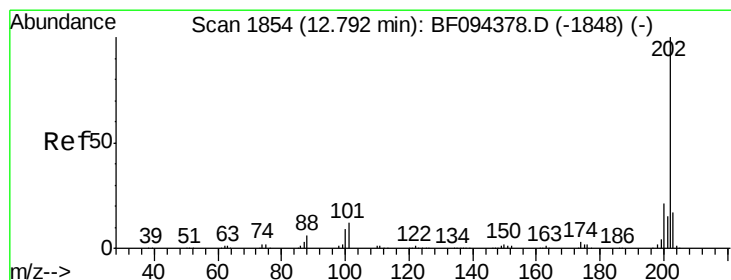
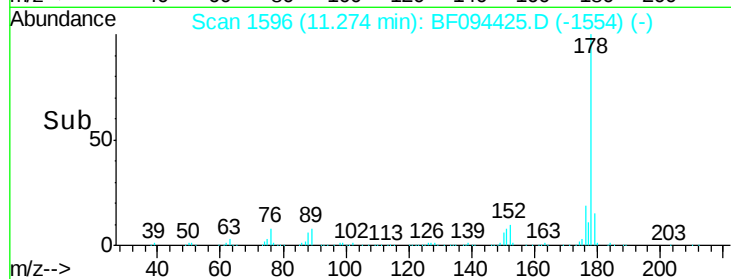
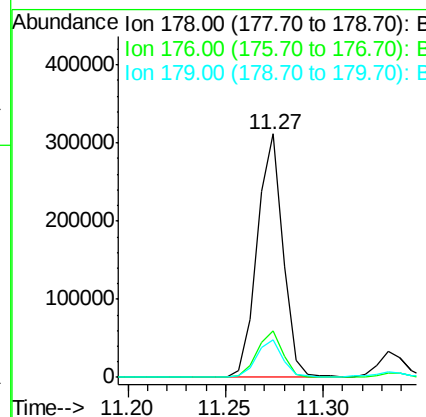
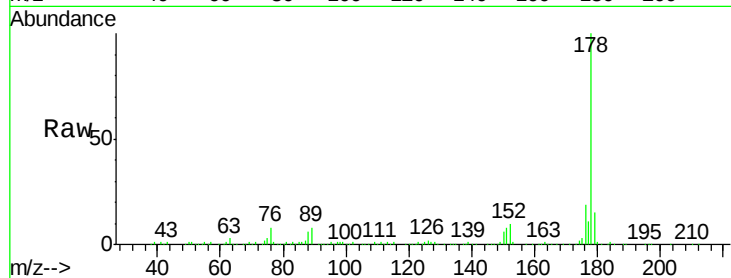
#70
Phenanthrene
Concen: 14.76 ng
RT: 11.27 min Scan# 1596
Delta R.T. -0.05 min
Lab File: BF094425.D
Acq: 14 Apr 2017 11:27

Instrument :
BNA_F
ClientSampleId :
E2-Z9-ESW

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	284459		
176	19.0		16.2	24.4
179	15.2		12.6	19.0

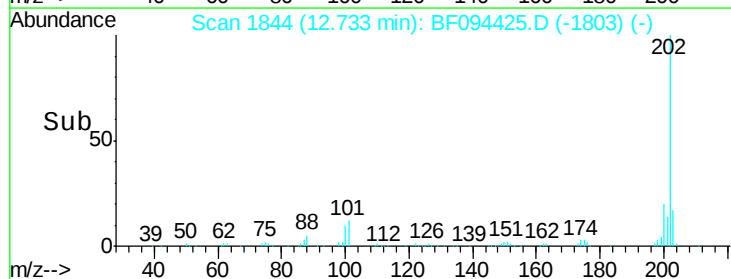
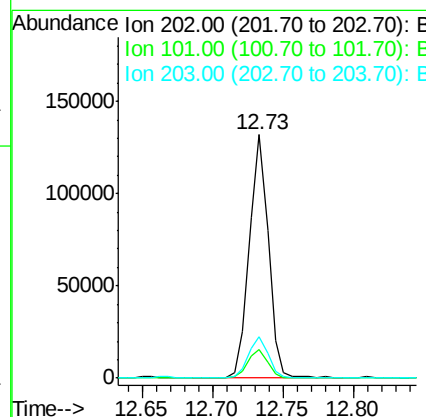
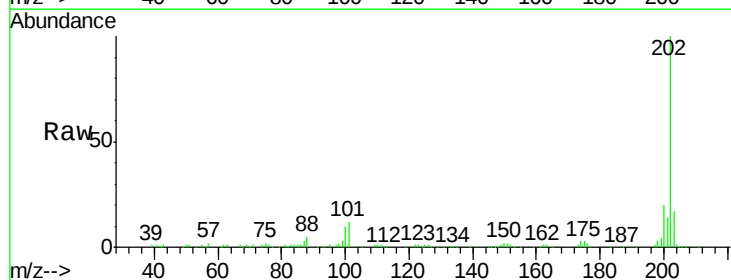
Manual Integrations
APPROVED

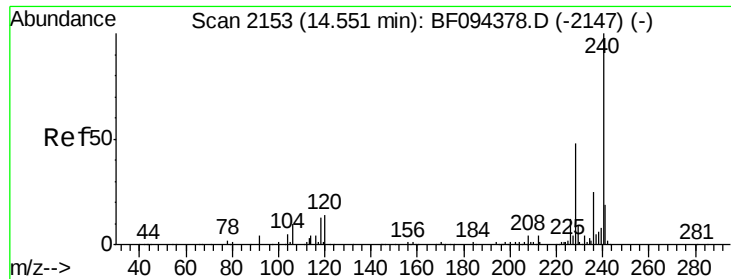
mohammad
4/14/2017 1:36:14 PM



#74
Fluoranthene
Concen: 6.37 ng
RT: 12.73 min Scan# 1844
Delta R.T. -0.06 min
Lab File: BF094425.D
Acq: 14 Apr 2017 11:27

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	125821		
101	11.7		0.0	33.2
203	16.9		0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.49 min Scan# 2143

Delta R.T. -0.06 min

Lab File: BF094425.D

Acq: 14 Apr 2017 11:27

Instrument :

BNA_F

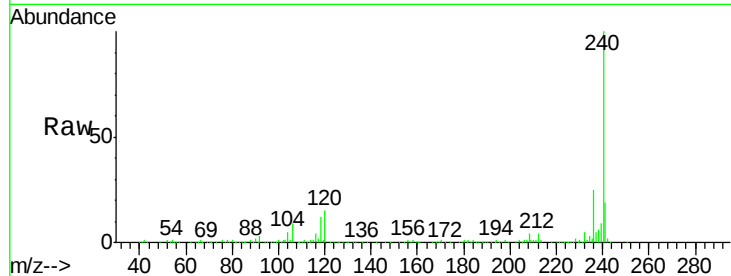
ClientSampleId :

E2-Z9-ESW

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	270105		
120	14.5	5.8	8.8#	
236	24.9	20.5	30.7	

Manual Integrations
APPROVED

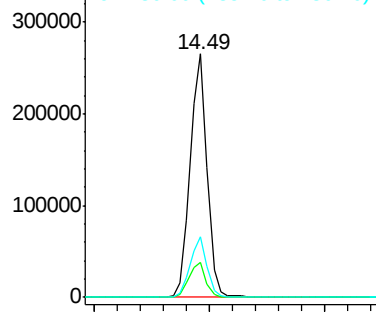
mohammad
4/14/2017 1:36:14 PM



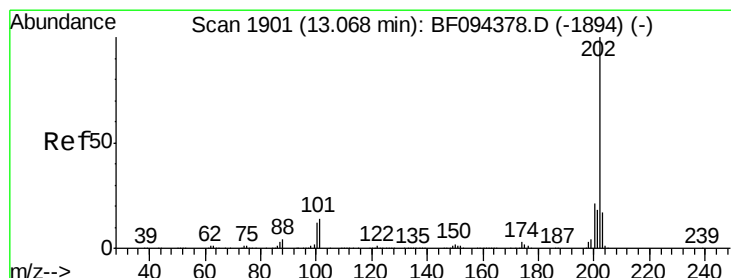
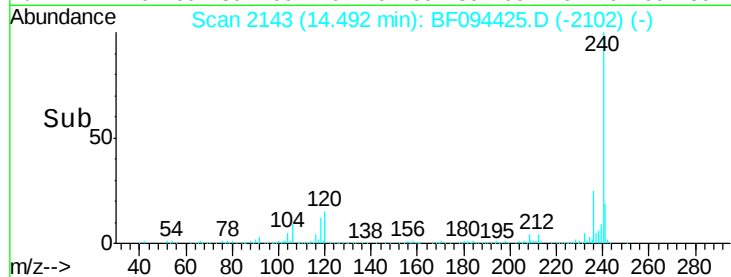
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time--> 14.40 14.50 14.60



#77

Pyrene

Concen: 4.53 ng m

RT: 13.00 min Scan# 1890

Delta R.T. -0.06 min

Lab File: BF094425.D

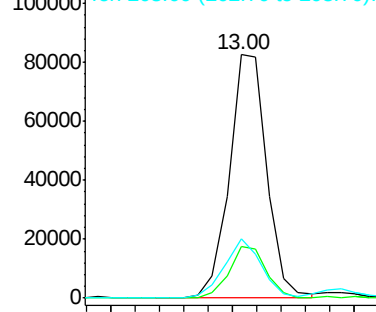
Acq: 14 Apr 2017 11:27

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	88878		
200	21.2	17.6	26.4	
203	24.5	14.4	21.6#	

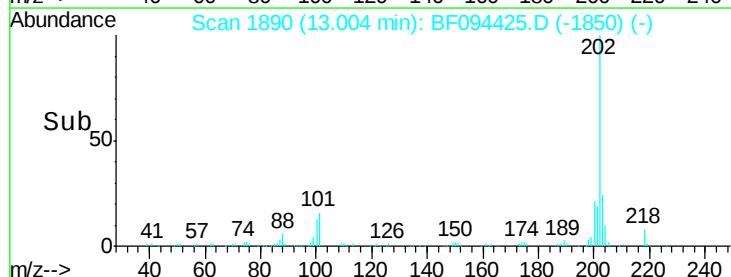
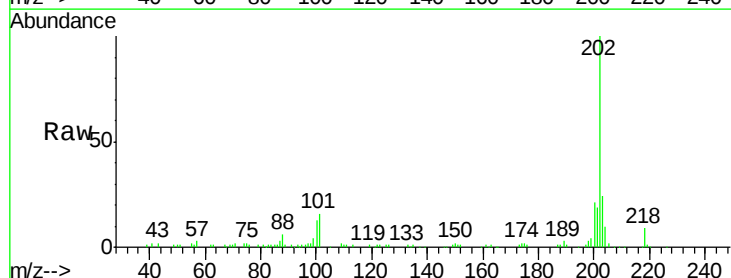
Abundance Ion 202.00 (201.70 to 202.70): E

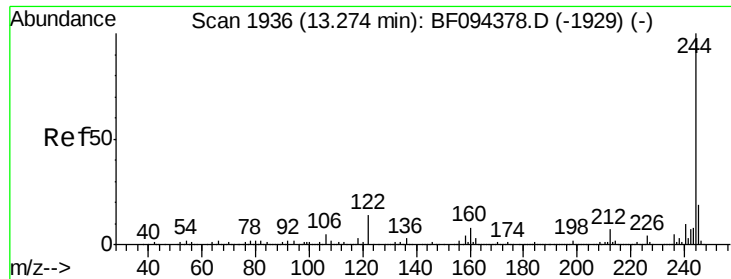
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time--> 12.95 13.00 13.05





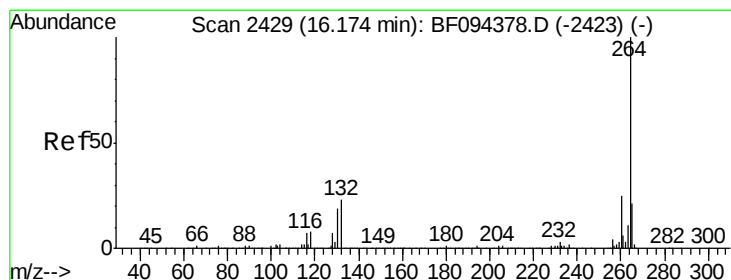
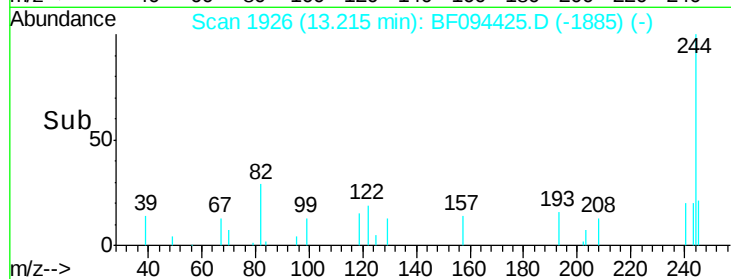
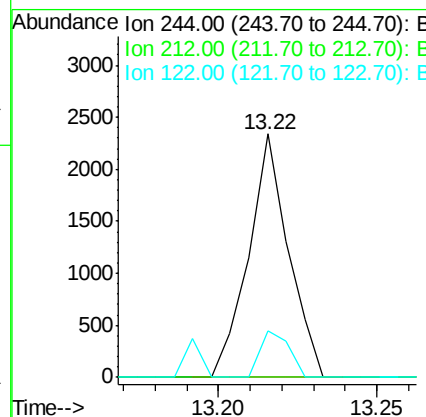
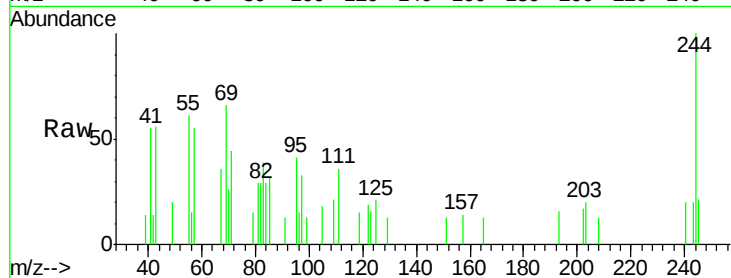
#78
 Terphenyl-d14
 Concen: 0.17 ng
 RT: 13.22 min Scan# 1926
 Delta R.T. -0.06 min
 Lab File: BF094425.D
 Acq: 14 Apr 2017 11:27

Instrument :
 BNA_F
 ClientSampleId :
 E2-Z9-ESW

Tgt Ion	Ratio	Lower	Upper
244	100		
212	0.0	6.0	9.0#
122	18.9	10.3	15.5#

Manual Integrations
 APPROVED

mohammad
 4/14/2017 1:36:14 PM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.12 min Scan# 2419
 Delta R.T. -0.06 min
 Lab File: BF094425.D
 Acq: 14 Apr 2017 11:27

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.5	29.3
265	21.5	17.2	25.8

