

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042117\
 Data File : BF094566.D
 Acq On : 21 Apr 2017 16:55
 Operator : SJ/MA
 Sample : I2783-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C-10

Manual Integrations
 APPROVED

mohammad
 4/24/2017 5:13:04 PM

Quant Time: Apr 22 00:39:48 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 17 14:59:23 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.76	152	100729	20.00	ng	0.00
21) Naphthalene-d8	7.25	136	423881	20.00	ng	0.00
38) Acenaphthene-d10	9.38	164	195519	20.00	ng	-0.01
63) Phenanthrene-d10	11.21	188	348936	20.00	ng	-0.01
75) Chrysene-d12	14.45	240	265227	20.00	ng	-0.01
86) Perylene-d12	16.08	264	247478	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.34	112	135	0.02	ng	0.04
7) Phenol-d6	5.40	99	9452	1.32	ng	0.00
23) Nitrobenzene-d5	6.41	82	422878	61.60	ng	0.00
41) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
44) 2-Fluorobiphenyl	8.58	172	907380	68.28	ng	0.00
78) Terphenyl-d14	13.18	244	693473	69.89	ng	-0.01
Target Compounds						
49) Dimethylphthalate	9.08	163	114931	7.89	ng	Qvalue 98
70) Phenanthrene	11.23	178	91942	4.68	ng	97
74) Fluoranthene	12.70	202	99118	4.87	ng	98
77) Pyrene	12.97	202	84670	4.57	ng	97
80) Benzo(a)anthracene	14.44	228	36365	2.36	ng	95
82) Chrysene	14.48	228	34516	2.45	ng	# 94
87) Benzo(b)fluoranthene	15.68	252	42915m	2.83	ng	
89) Benzo(a)pyrene	16.02	252	28984	2.06	ng	# 87

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

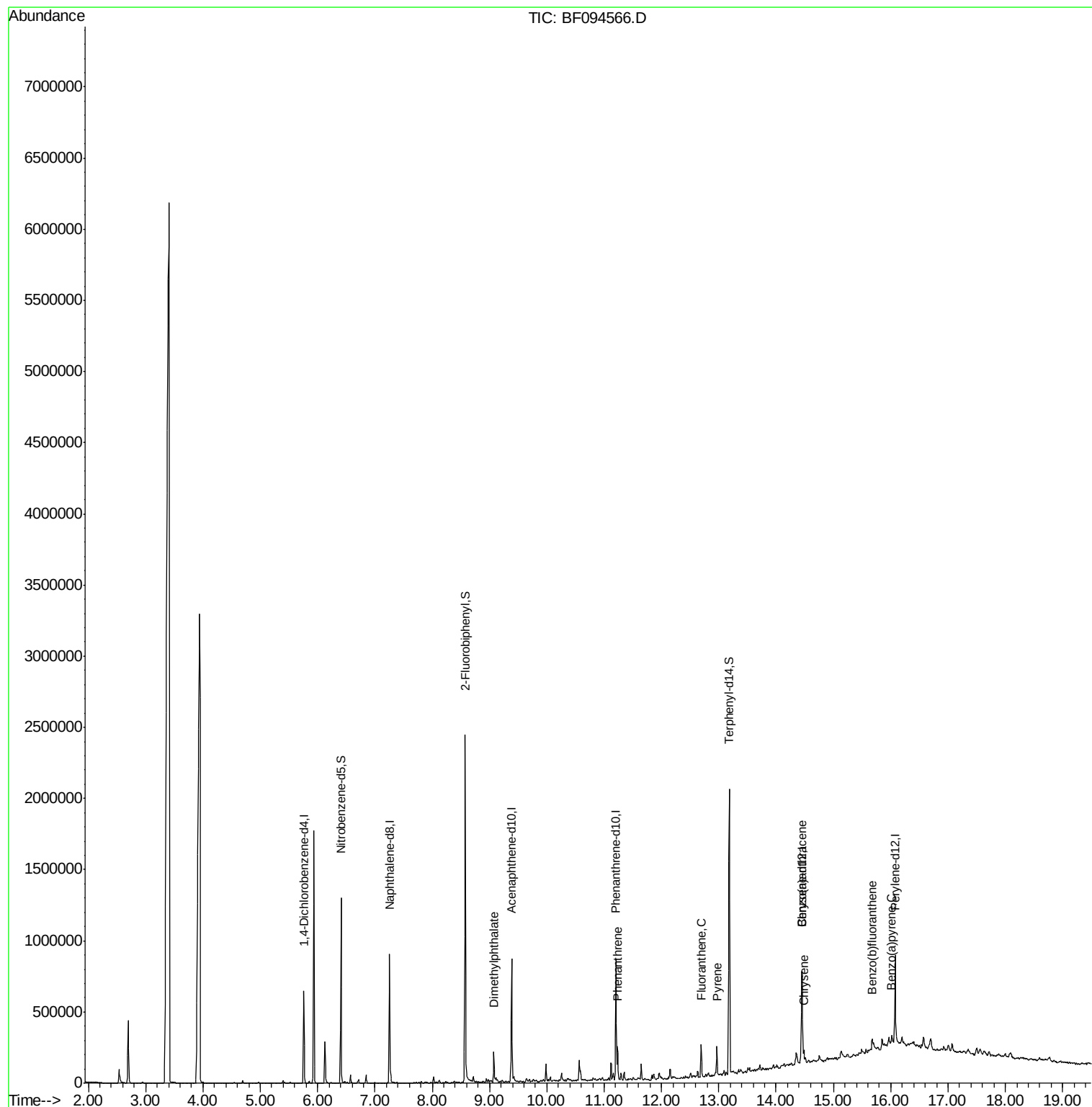
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042117\
Data File : BF094566.D
Acq On : 21 Apr 2017 16:55
Operator : SJ/MA
Sample : I2783-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

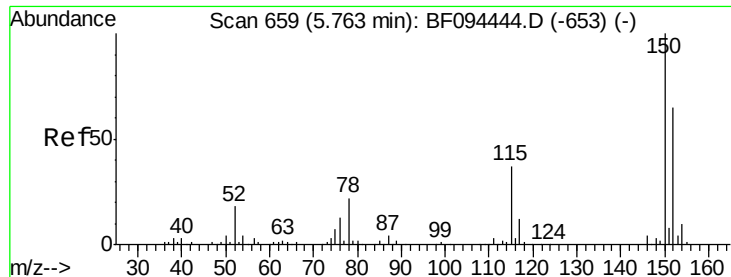
Instrument :
BNA_F
ClientSampleId :
C-10

Manual Integrations
APPROVED

mohammad
4/24/2017 5:13:04 PM

Quant Time: Apr 22 00:39:48 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 17 14:59:23 2017
Response via : Initial Calibration





#1

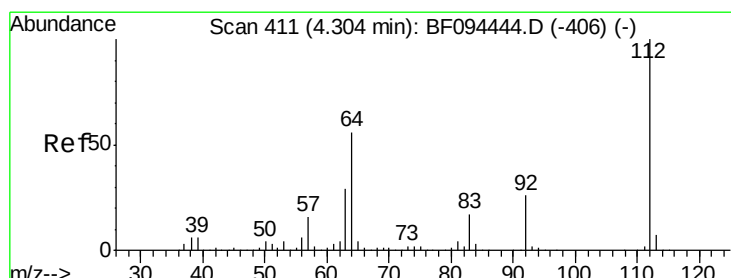
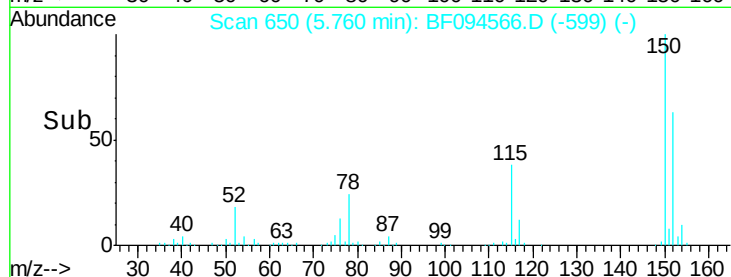
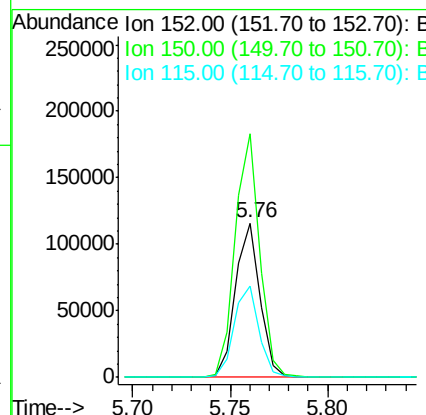
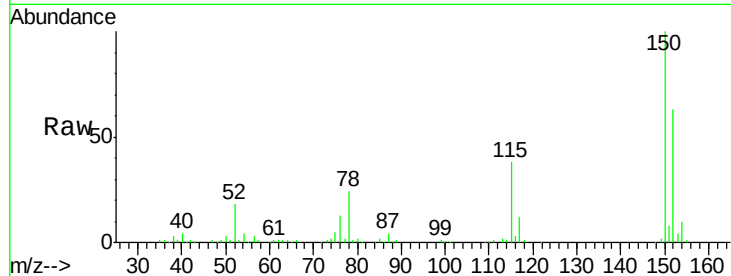
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.76 min Scan# 650
Delta R.T. -0.00 min
Lab File: BF094566.D
Acq: 21 Apr 2017 16:55

Instrument :
BNA_F
ClientSampled :
C-10

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.9	126.2	189.2
115	59.3	52.2	78.2

Manual Integrations
APPROVED

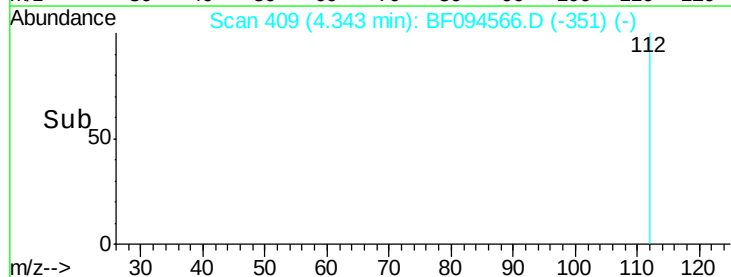
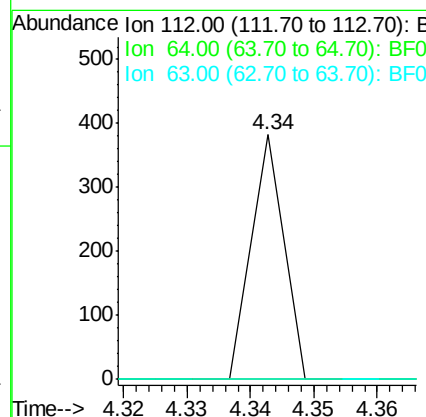
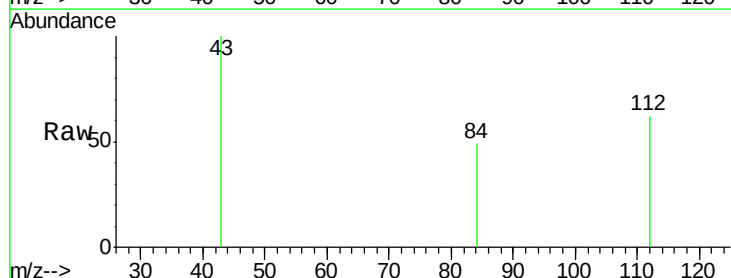
mohammad
4/24/2017 5:13:04 PM

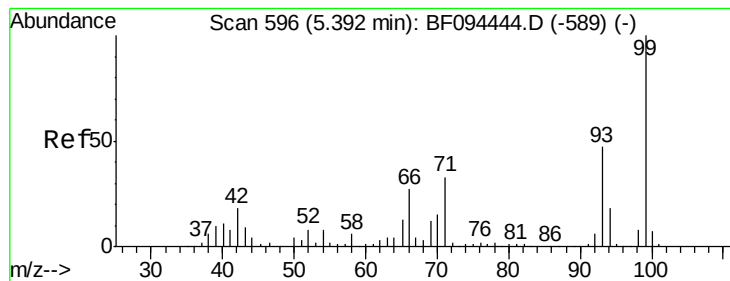


#5

2-Fluorophenol
Concen: 0.02 ng
RT: 4.34 min Scan# 409
Delta R.T. 0.04 min
Lab File: BF094566.D
Acq: 21 Apr 2017 16:55

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





#7

Phenol-d6

Concen: 1.32 ng

RT: 5.40 min Scan# 588

Delta R.T. 0.00 min

Lab File: BF094566.D

Acq: 21 Apr 2017 16:55

Instrument :

BNA_F

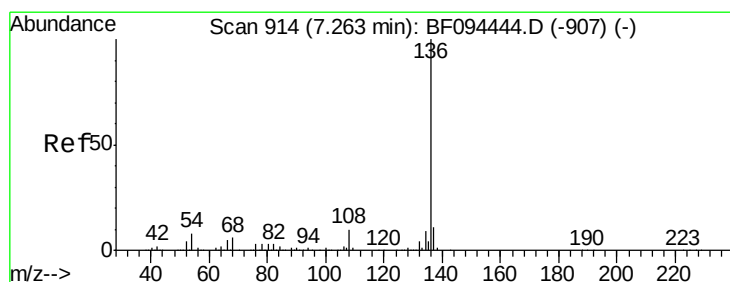
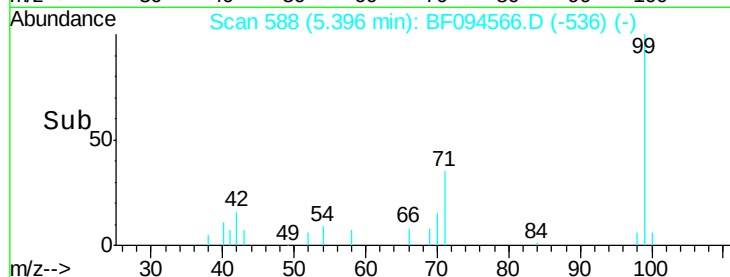
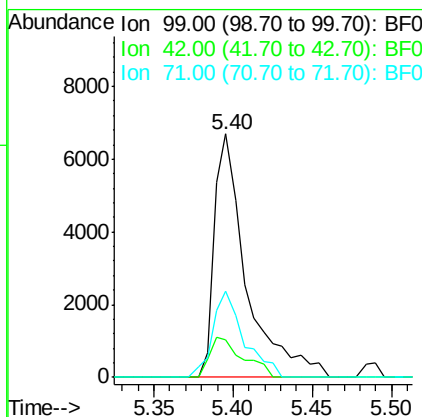
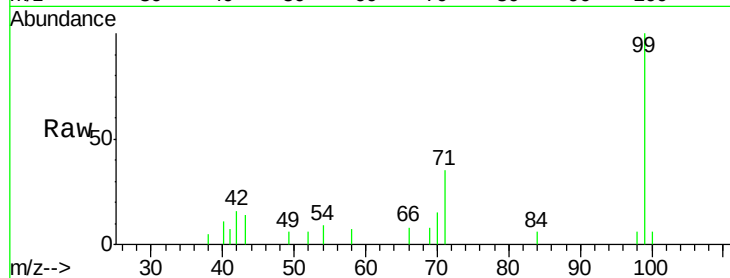
ClientSampleId :

C-10

Tot Ion:	99	Resp:	9452
Ion	Ratio	Lower	Upper
99	100		
42	15.5	13.5	20.3
71	35.2	24.5	36.7

Manual Integrations
APPROVED

mohammad
4/24/2017 5:13:04 PM



#21

Naphthalene-d8

Concen: 20.00 ng

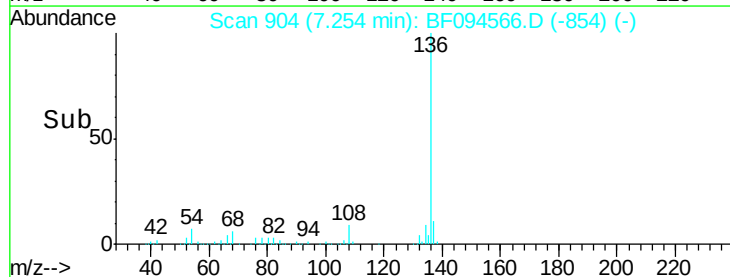
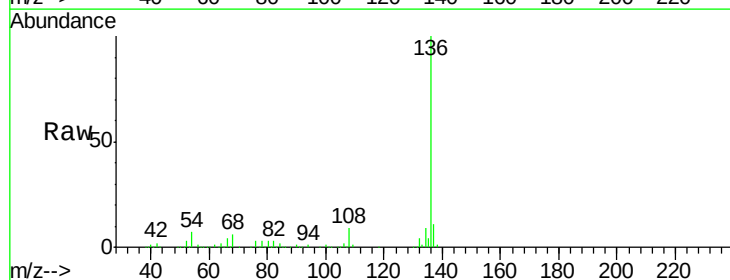
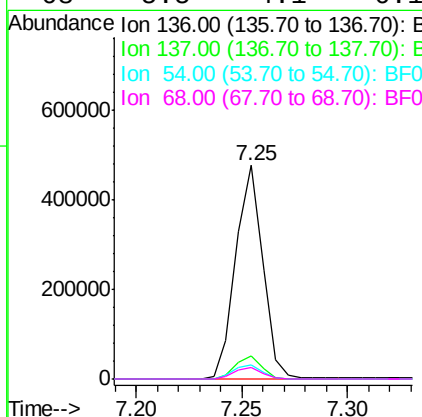
RT: 7.25 min Scan# 904

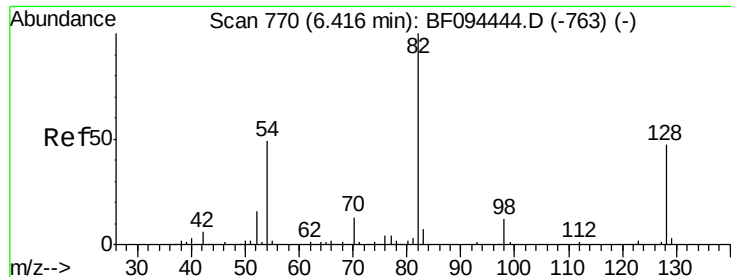
Delta R.T. -0.01 min

Lab File: BF094566.D

Acq: 21 Apr 2017 16:55

Tgt Ion:	136	Resp:	423881
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.5	12.7
54	6.9	4.9	7.3
68	5.5	4.1	6.1





#23

Nitrobenzene-d5

Concen: 61.60 ng

RT: 6.41 min Scan# 760

Delta R.T. -0.01 min

Lab File: BF094566.D

Acq: 21 Apr 2017 16:55

Instrument :

BNA_F

ClientSampleId :

C-10

Tot Ion: 82 Resp: 422878

Ion Ratio Lower Upper

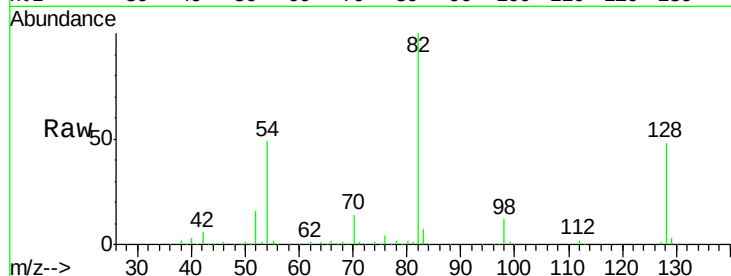
82 100

128 47.5 34.0 51.0

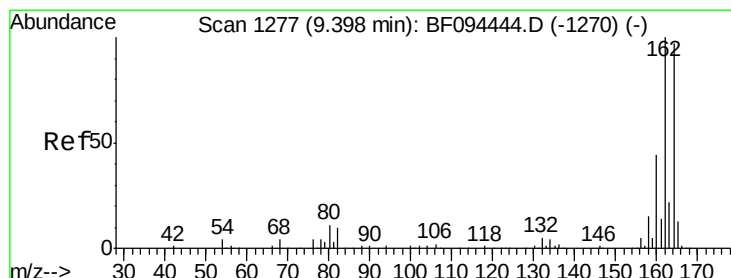
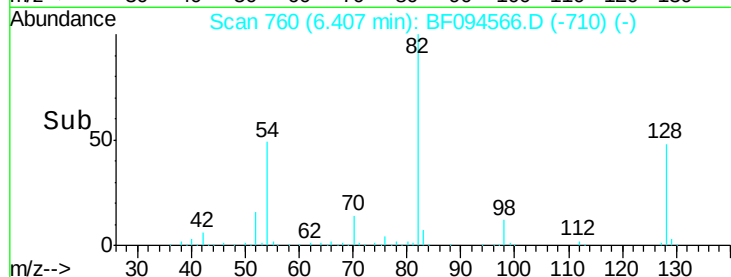
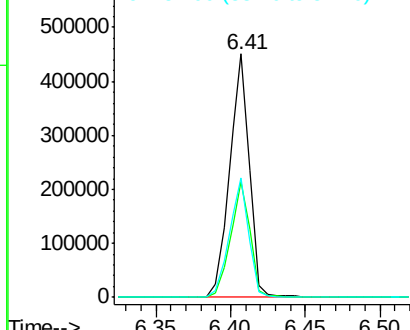
54 49.2 42.2 63.2

Manual Integrations
APPROVED

mohammad
4/24/2017 5:13:04 PM



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.38 min Scan# 1266

Delta R.T. -0.01 min

Lab File: BF094566.D

Acq: 21 Apr 2017 16:55

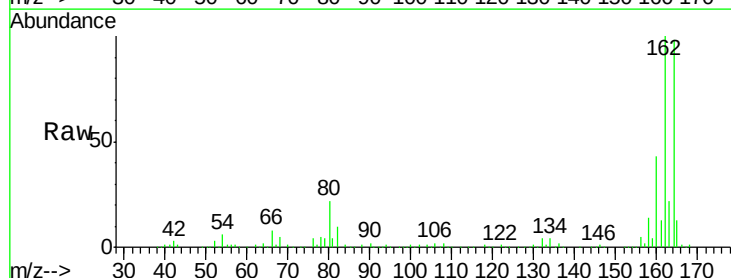
Tgt Ion:164 Resp: 195519

Ion Ratio Lower Upper

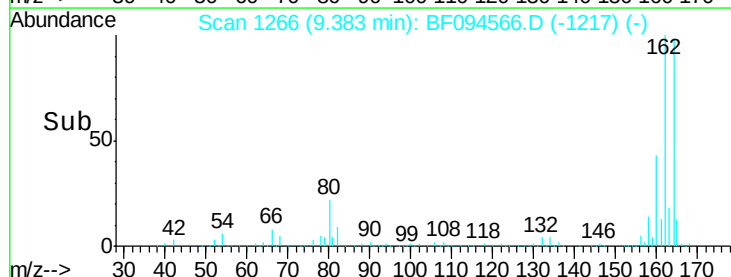
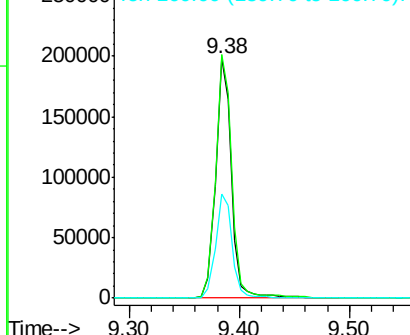
164 100

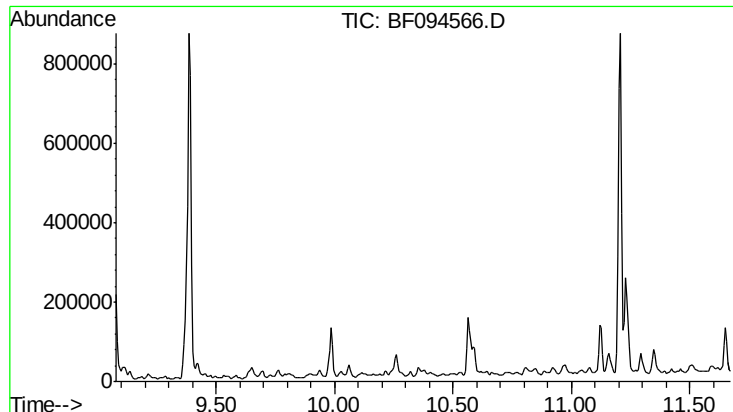
162 101.7 82.6 123.8

160 43.6 36.2 54.2



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





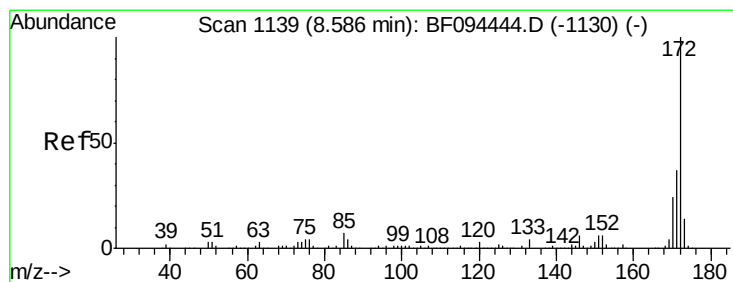
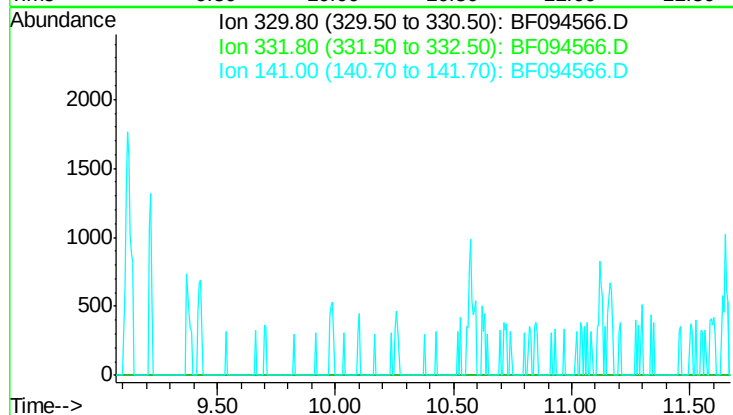
#41
 2,4,6-Tribromophenol
 Concen: 0.00 ng
 Expected RT: 10.37 min
 Lab File: BF094566.D
 Acq: 21 Apr 2017 16:55

Tot Ion	330	332	141
Exp Ratio	100	95.8	39.3

Instrument :
 BNA_F
 ClientSampleId :
 C-10

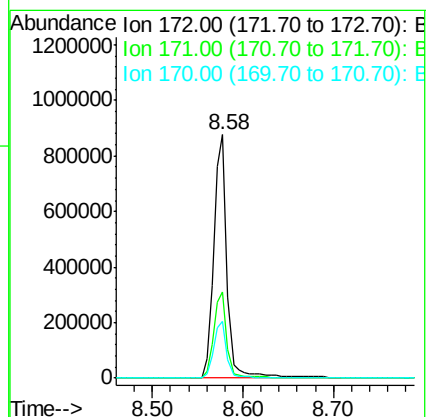
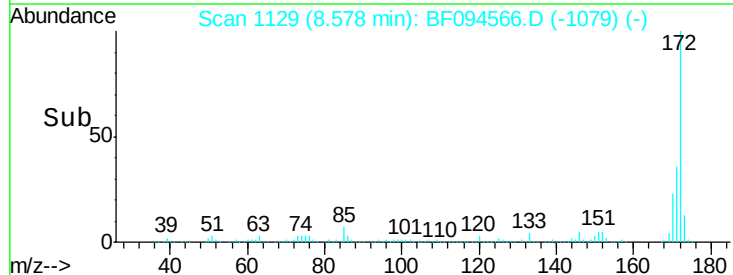
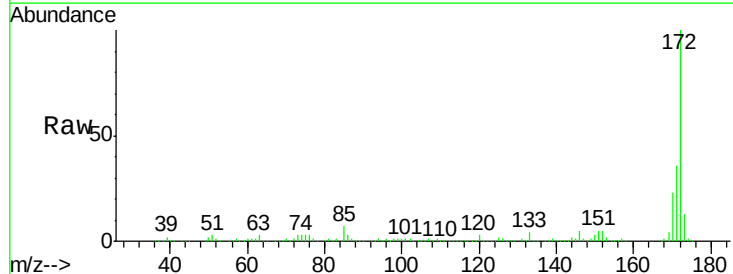
Manual Integrations
 APPROVED

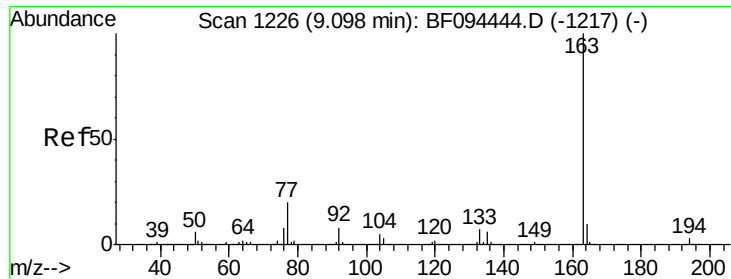
mohammad
 4/24/2017 5:13:04 PM



#44
 2-Fluorobiphenyl
 Concen: 68.28 ng
 RT: 8.58 min Scan# 1129
 Delta R.T. -0.01 min
 Lab File: BF094566.D
 Acq: 21 Apr 2017 16:55

Tgt Ion	172	Resp	907380
Ion Ratio	100		
171	35.5	29.6	44.4
170	23.3	19.8	29.8





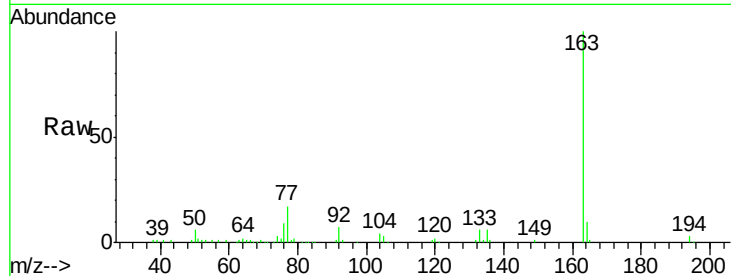
#49
Dimethylphthalate
Concen: 7.89 ng
RT: 9.08 min Scan# 1214
Delta R.T. -0.02 min
Lab File: BF094566.D
Acq: 21 Apr 2017 16:55

Instrument :
BNA_F
ClientSampleId :
C-10

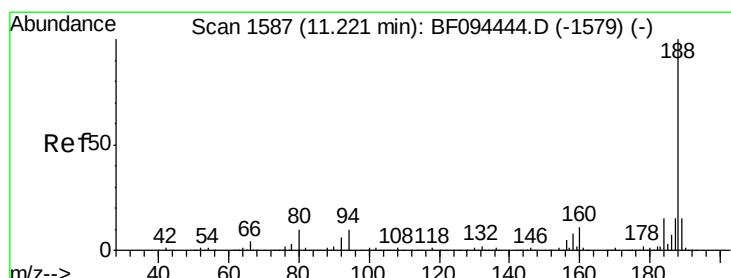
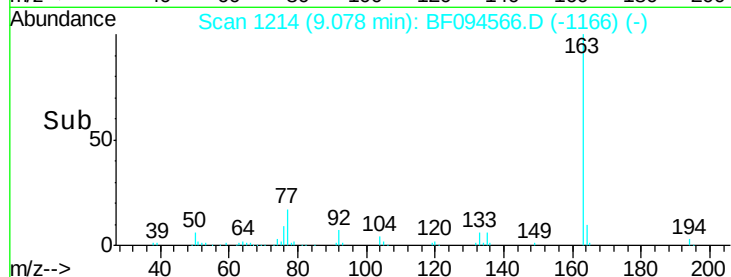
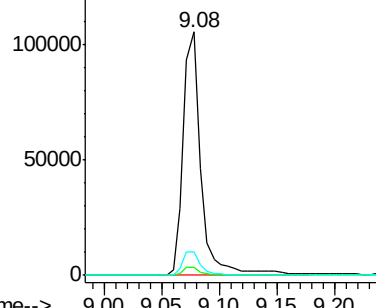
Tot Ion:	163	Resp:	114931
Ion Ratio	Lower	Upper	
163	100		
194	3.5	2.6	4.0
164	9.7	8.4	12.6

Manual Integrations
APPROVED

mohammad
4/24/2017 5:13:04 PM

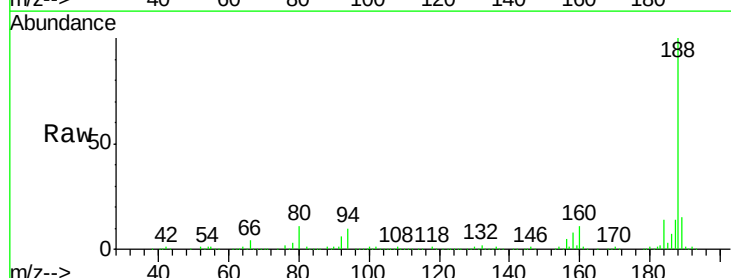


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

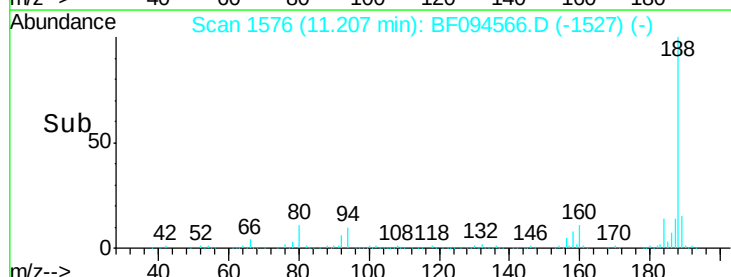
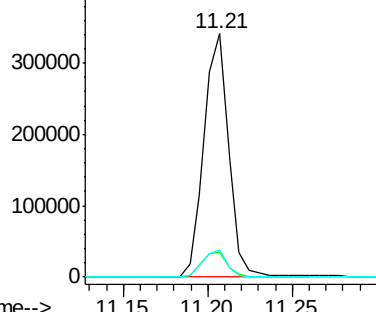


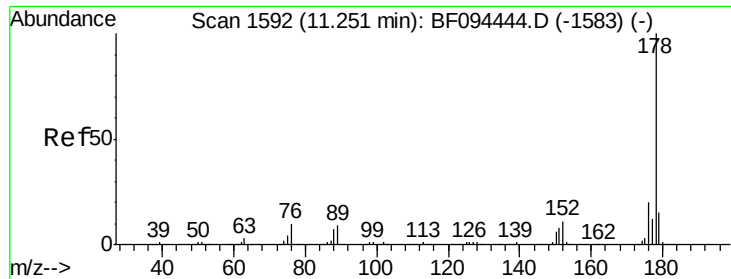
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.21 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF094566.D
Acq: 21 Apr 2017 16:55

Tgt Ion:	188	Resp:	348936
Ion Ratio	Lower	Upper	
188	100		
94	10.4	9.4	14.2
80	11.1	10.2	15.2



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





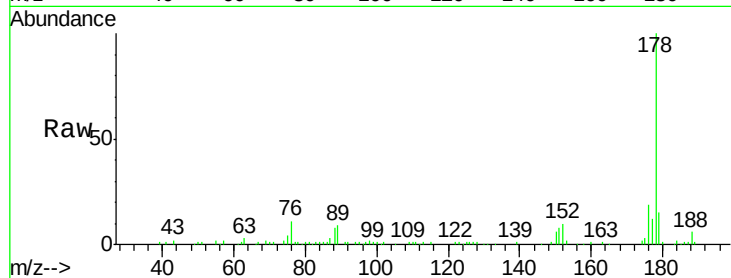
#70
Phenanthrene
Concen: 4.68 ng
RT: 11.23 min Scan# 1580
Delta R.T. -0.02 min
Lab File: BF094566.D
Acq: 21 Apr 2017 16:55

Instrument :
BNA_F
ClientSampleId :
C-10

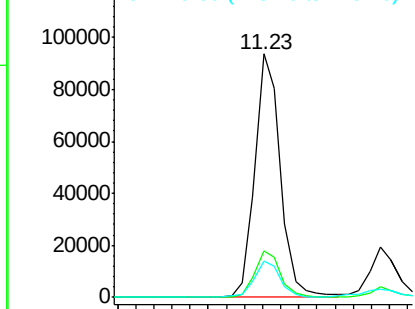
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	16.2	24.4
179	14.8	12.6	19.0

Manual Integrations
APPROVED

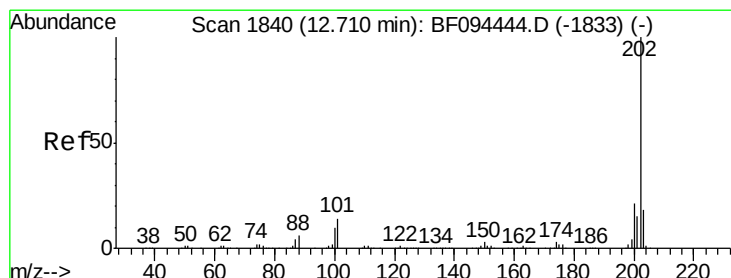
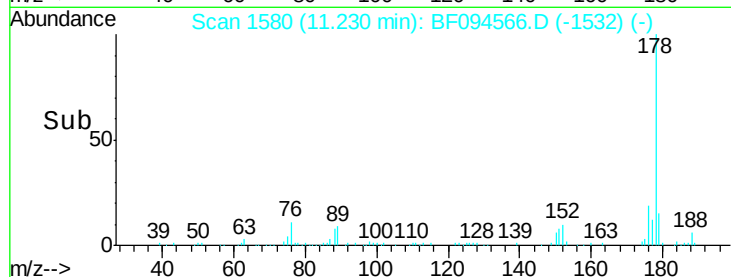
mohammad
4/24/2017 5:13:04 PM



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

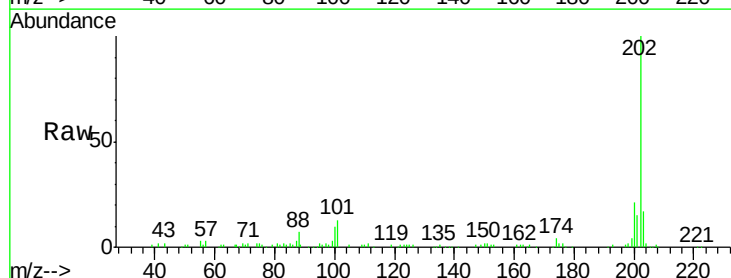


Time--> 11.15 11.20 11.25

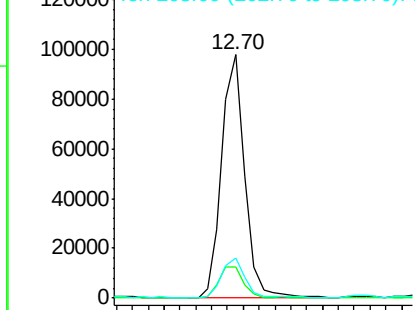


#74
Fluoranthene
Concen: 4.87 ng
RT: 12.70 min Scan# 1829
Delta R.T. -0.01 min
Lab File: BF094566.D
Acq: 21 Apr 2017 16:55

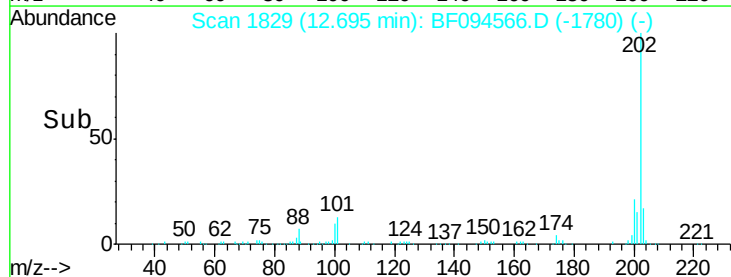
Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.0	0.0	33.2
203	16.7	0.0	38.1

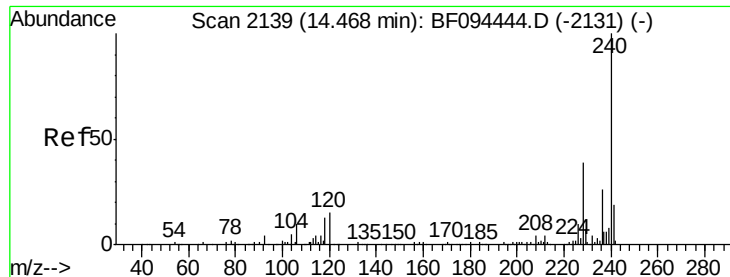


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



Time--> 12.65 12.70 12.75





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.45 min Scan# 2128

Delta R.T. -0.01 min

Lab File: BF094566.D

Acq: 21 Apr 2017 16:55

Instrument :

BNA_F

ClientSampleId :

C-10

Tot Ion:240 Resp: 265227
Ion Ratio Lower Upper

240 100

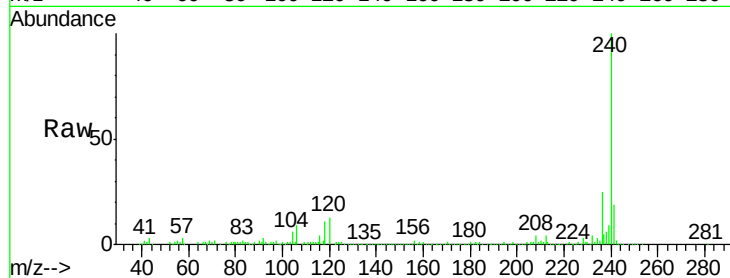
120 13.1 5.8 8.8#

236 24.8 20.5 30.7

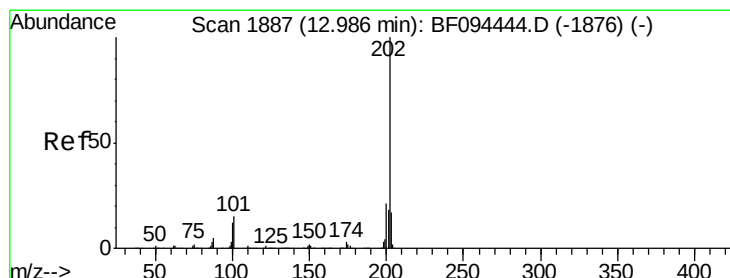
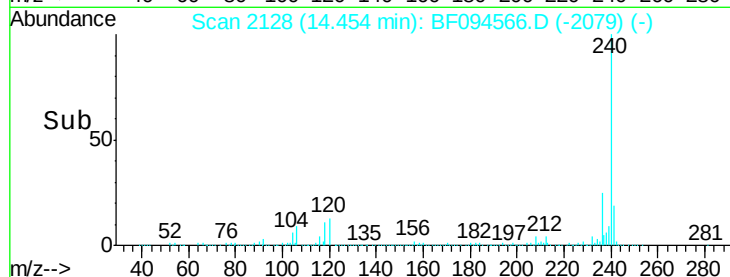
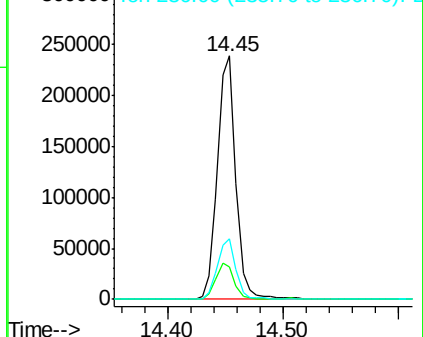
Manual Integrations
APPROVED

mohammad

4/24/2017 5:13:04 PM



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 4.57 ng

RT: 12.97 min Scan# 1875

Delta R.T. -0.02 min

Lab File: BF094566.D

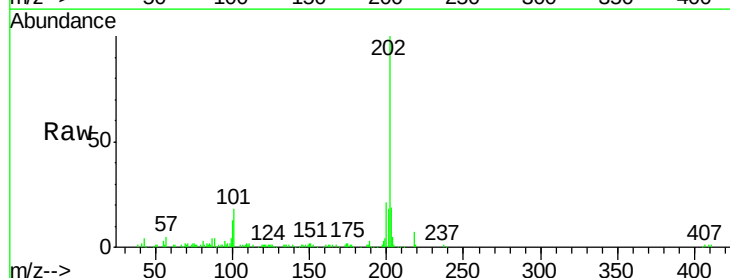
Acq: 21 Apr 2017 16:55

Tgt Ion:202 Resp: 84670
Ion Ratio Lower Upper

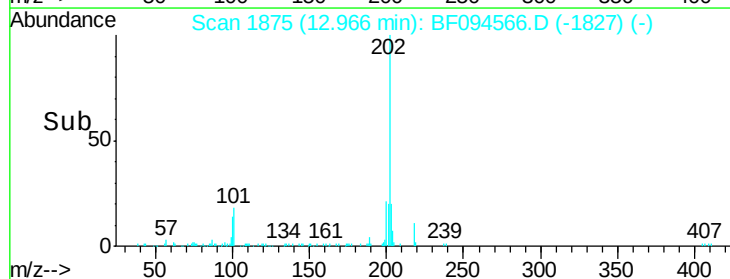
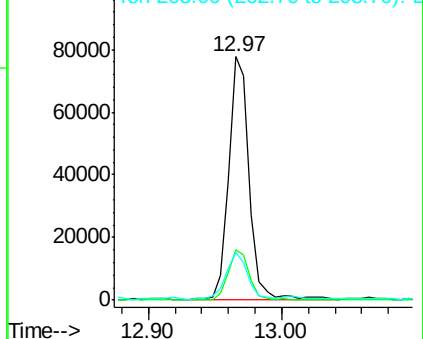
202 100

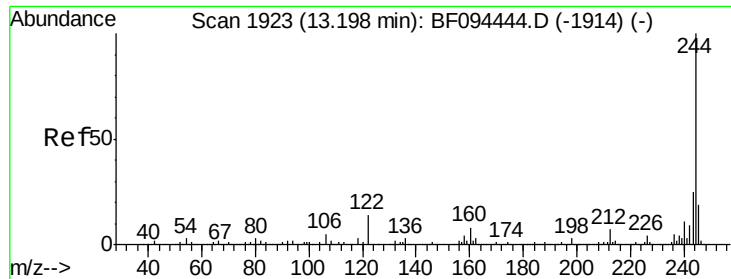
200 20.9 17.6 26.4

203 19.5 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





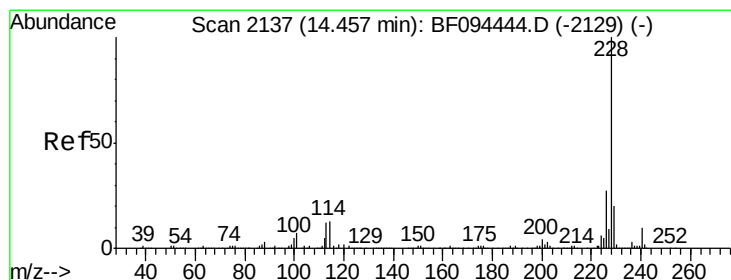
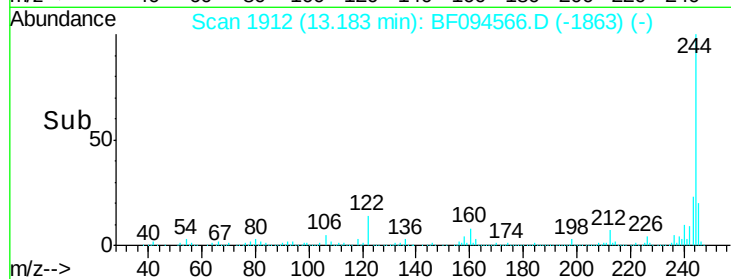
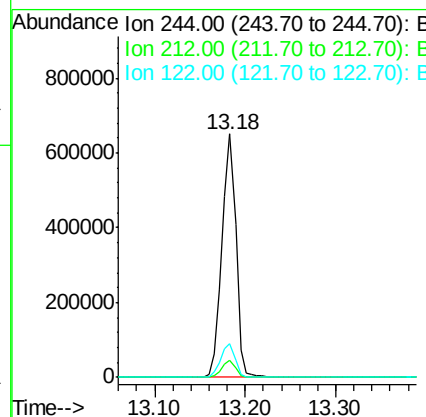
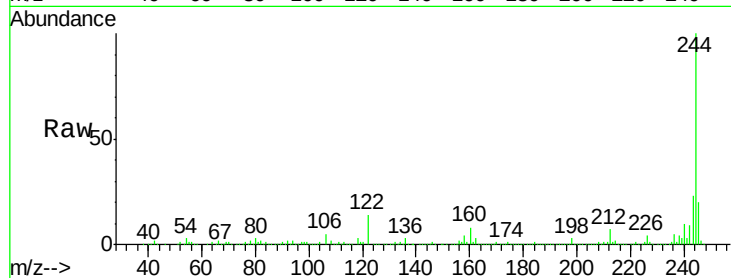
#78
 Terphenyl-d14
 Concen: 69.89 ng
 RT: 13.18 min Scan# 1912
 Delta R.T. -0.01 min
 Lab File: BF094566.D
 Acq: 21 Apr 2017 16:55

Instrument :
 BNA_F
 ClientSampleId :
 C-10

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.0	9.0
122	14.0	10.3	15.5

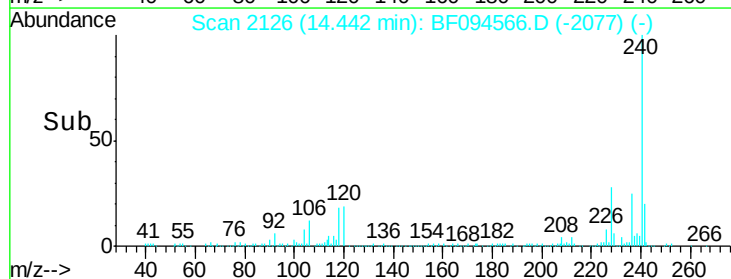
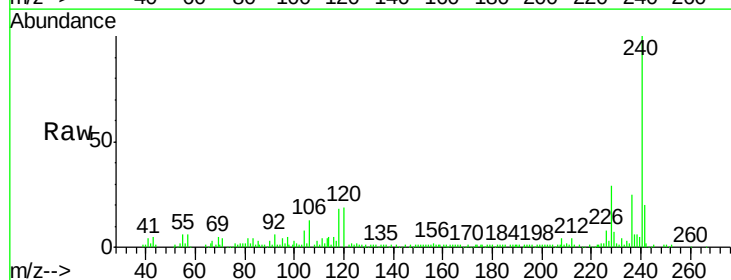
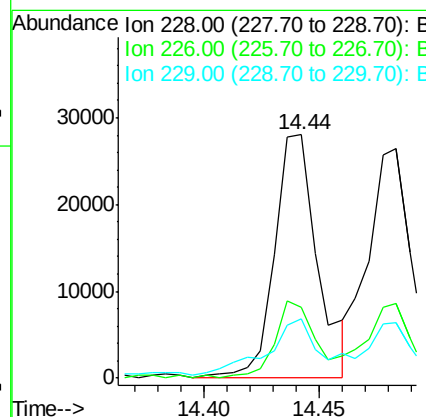
Manual Integrations
 APPROVED

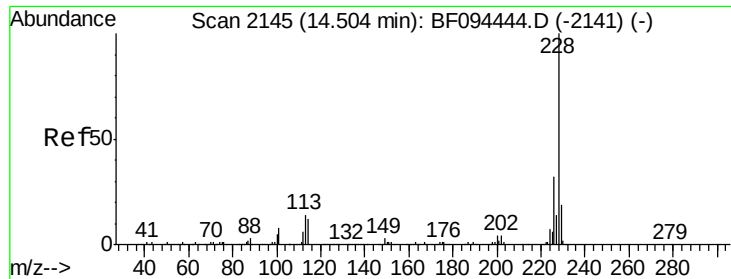
mohammad
 4/24/2017 5:13:04 PM



#80
 Benzo(a)anthracene
 Concen: 2.36 ng
 RT: 14.44 min Scan# 2126
 Delta R.T. -0.01 min
 Lab File: BF094566.D
 Acq: 21 Apr 2017 16:55

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.0	22.6	33.8
229	24.4	16.3	24.5





#82

Chrysene

Concen: 2.45 ng

RT: 14.48 min Scan# 2133

Delta R.T. -0.02 min

Lab File: BF094566.D

Acq: 21 Apr 2017 16:55

Instrument :

BNA_F

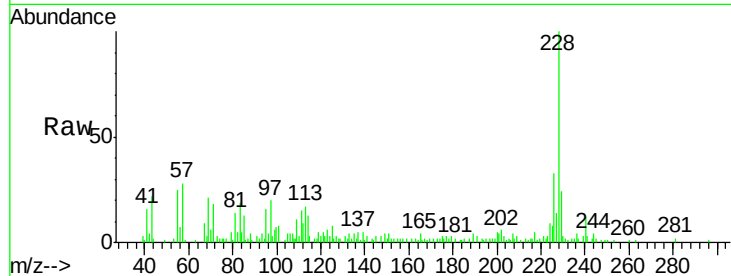
ClientSampled :

C-10

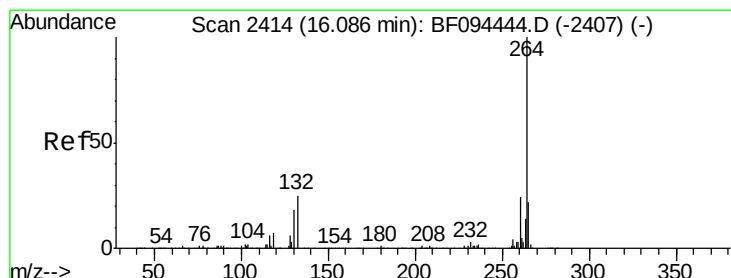
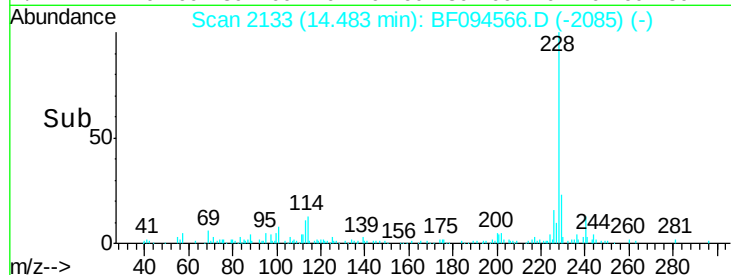
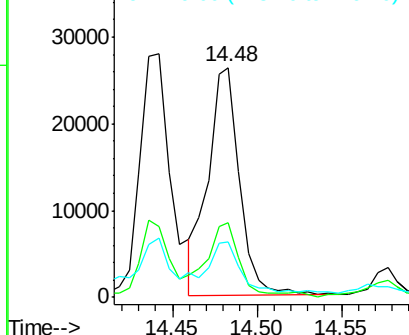
Tot Ion:	228	Resp:	34516
Ion Ratio		Lower	Upper
228	100		
226	32.7	24.9	37.3
229	24.3	15.8	23.6#

Manual Integrations
APPROVED

mohammad
4/24/2017 5:13:04 PM



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 16.08 min Scan# 2404

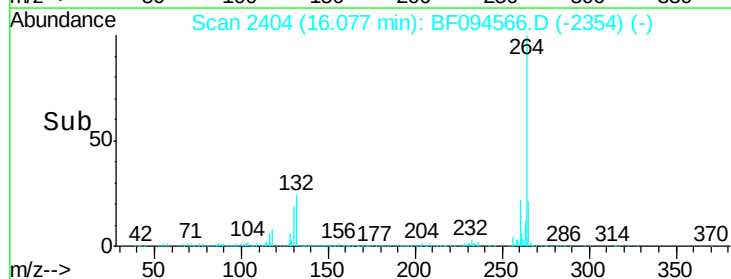
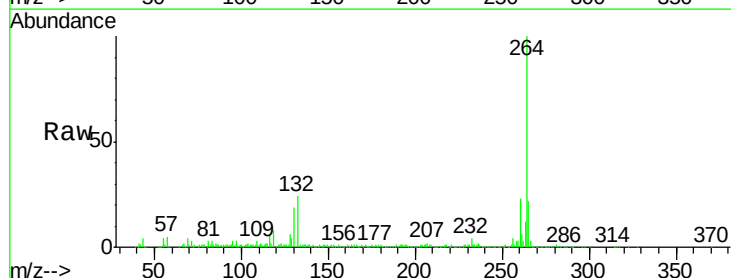
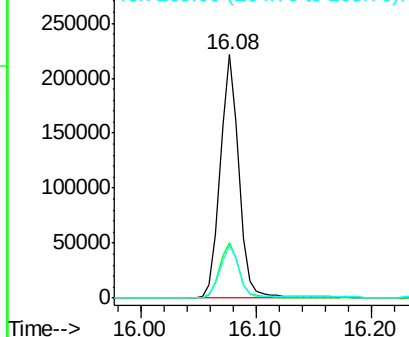
Delta R.T. -0.01 min

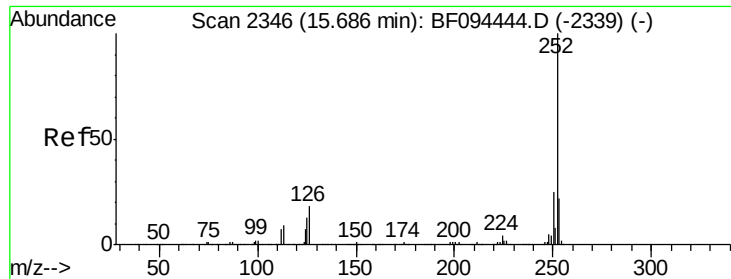
Lab File: BF094566.D

Acq: 21 Apr 2017 16:55

Tgt Ion:	264	Resp:	247478
Ion Ratio		Lower	Upper
264	100		
260	22.7	19.5	29.3
265	21.7	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





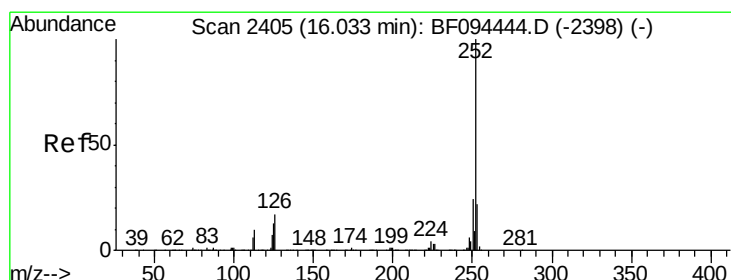
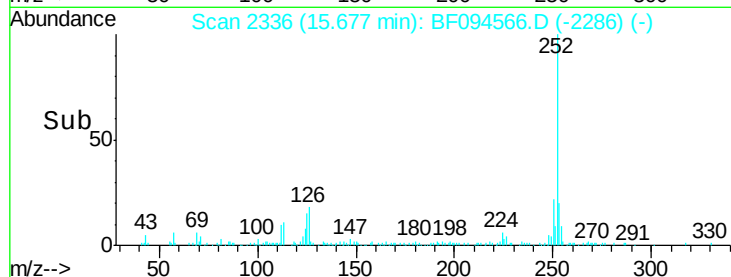
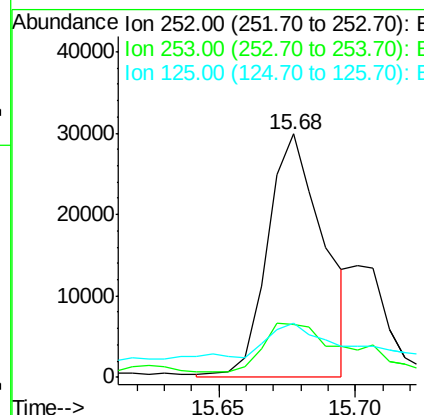
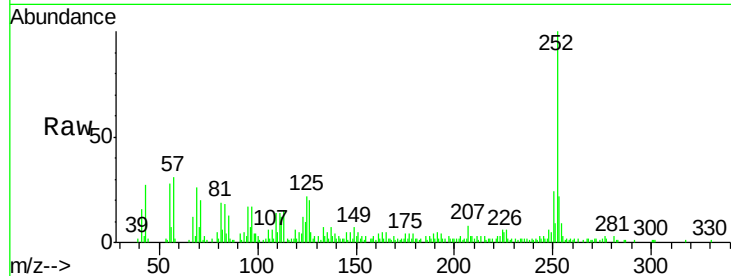
#87
Benzo(b)fluoranthene
Concen: 2.83 ng m
RT: 15.68 min Scan# 2336
Delta R.T. -0.01 min
Lab File: BF094566.D
Acq: 21 Apr 2017 16:55

Instrument :
BNA_F
ClientSampleId :
C-10

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.6	18.1	27.1
125	22.1	9.8	14.8

Manual Integrations
APPROVED

mohammad
4/24/2017 5:13:04 PM



#89
Benzo(a)pyrene
Concen: 2.06 ng
RT: 16.02 min Scan# 2394
Delta R.T. -0.01 min
Lab File: BF094566.D
Acq: 21 Apr 2017 16:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.5	26.3
125	23.6	11.0	16.4

