

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020316\
 Data File : BF084809.D
 Acq On : 4 Feb 2016 2:44
 Operator : SJ/IZ
 Sample : H1312-03
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B036(20-22)

Manual Integrations
 APPROVED

mohammad
 2/4/2016 2:05:07 PM

Quant Time: Feb 04 04:58:49 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 03 14:16:01 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	176202	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	770125	20.00	ng	0.00
38) Acenaphthene-d10	9.72	164	339316	20.00	ng	-0.01
63) Phenanthrene-d10	11.21	188	610695	20.00	ng	0.00
75) Chrysene-d12	13.84	240	468944	20.00	ng	0.00
86) Perylene-d12	15.21	264	350682	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	1442380	127.50	ng	0.01
7) Phenol-d6	6.34	99	1665378	118.75	ng	0.00
23) Nitrobenzene-d5	7.25	82	1081971	79.14	ng	-0.01
41) 2,4,6-Tribromophenol	10.51	330	426226	120.42	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	1984408	108.53	ng	0.00
78) Terphenyl-d14	12.80	244	1734327	83.81	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.00	128	264135	6.84	ng	97
37) 2-Methylnaphthalene	8.68	142	49003	2.03	ng	95
49) Dimethylphthalate	9.45	163	329543	12.75	ng	# 89
51) Acenaphthene	9.76	154	56745	2.58	ng	95
54) Dibenzofuran	9.93	168	73314	2.72	ng	97
57) Fluorene	10.27	166	81608	3.63	ng	99
70) Phenanthrene	11.23	178	562860	16.62	ng	100
71) Anthracene	11.28	178	182252	5.34	ng	98
72) Carbazole	11.44	167	62454	2.10	ng	99
74) Fluoranthene	12.41	202	362218	10.57	ng	98
77) Pyrene	12.64	202	347562	9.68	ng	99
80) Benzo(a)anthracene	13.83	228	123026m	4.23	ng	
82) Chrysene	13.86	228	108640m	3.85	ng	
87) Benzo(b)fluoranthene	14.83	252	77698m	3.30	ng	
89) Benzo(a)pyrene	15.15	252	64269	3.20	ng	# 96

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

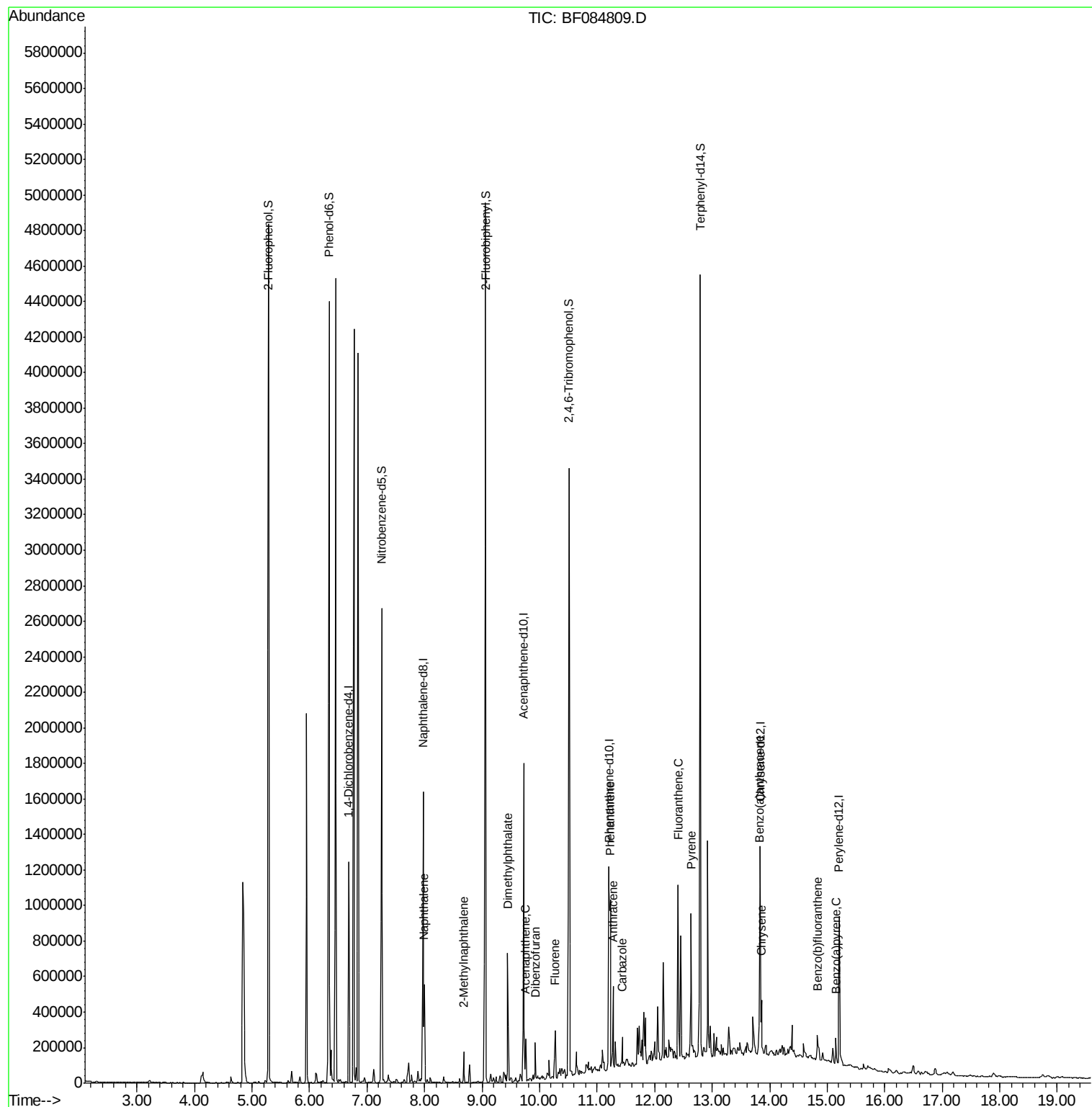
Data Path : Z:\HPCHEM1\BNA F\DATA\BF020316\
Data File : BF084809.D
Acq On : 4 Feb 2016 2:44
Operator : SJ/IZ
Sample : H1312-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SUP-B036(20-22)

Manual Integrations
APPROVED

mohammad
2/4/2016 2:05:07 PM

Quant Time: Feb 04 04:58:49 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 03 14:16:01 2016
Response via : Initial Calibration





#1

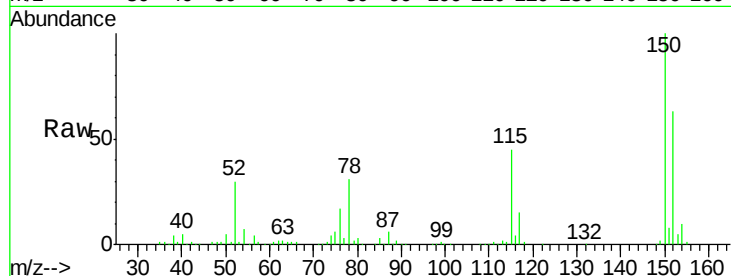
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.68 min Scan# 402
Delta R.T. -0.00 min
Lab File: BF084809.D
Acq: 4 Feb 2016 2:44

Instrument :
BNA_F
ClientSampleId :
SUP-B036(20-22)

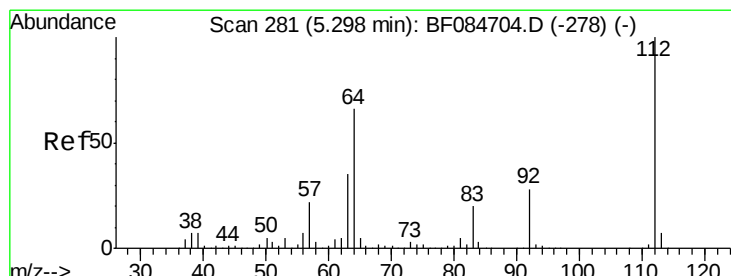
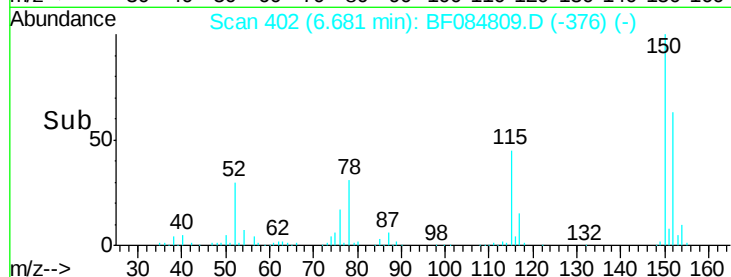
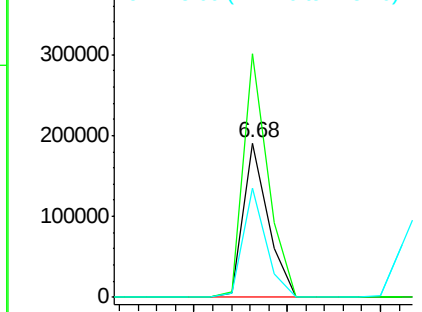
Tot Ion	Ratio	Lower	Upper
152	100		
150	158.0	123.0	184.4
115	71.1	51.4	77.2

Manual Integrations
APPROVED

mohammad
2/4/2016 2:05:07 PM



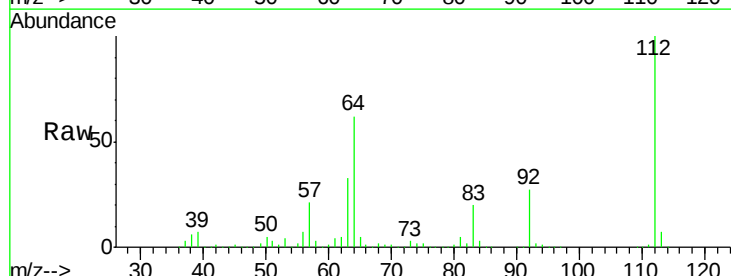
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



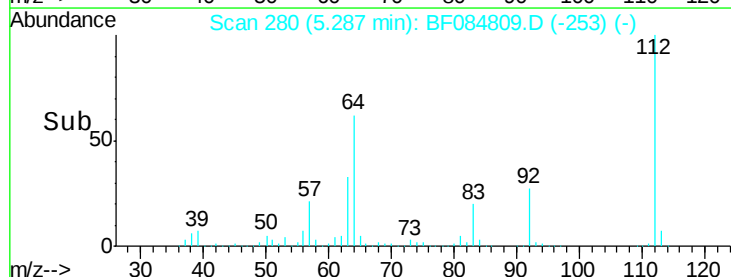
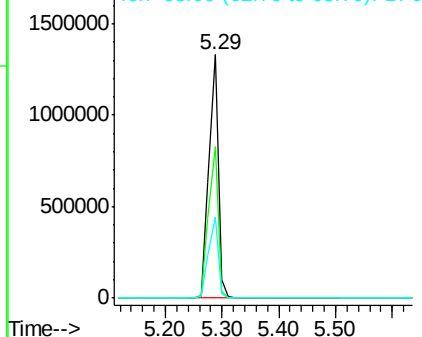
#5

2-Fluorophenol
Concen: 127.50 ng
RT: 5.29 min Scan# 280
Delta R.T. 0.01 min
Lab File: BF084809.D
Acq: 4 Feb 2016 2:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.3	36.6	55.0#
63	33.4	19.4	29.0#



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: 118.75 ng

RT: 6.34 min Scan# 372

Delta R.T. -0.00 min

Lab File: BF084809.D

Acq: 4 Feb 2016 2:44

Instrument :

BNA_F

ClientSampleId :

SUP-B036(20-22)

Tot Ion: 99 Resp: 1665378

Ion Ratio Lower Upper

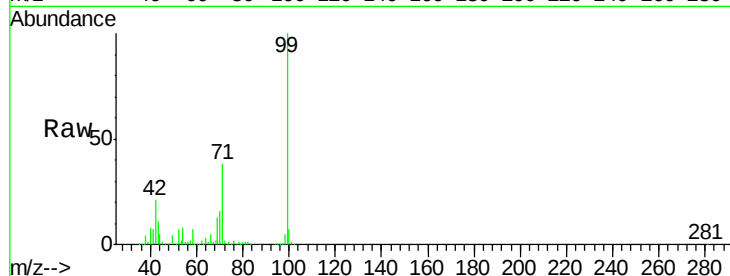
99 100

42 20.6 12.8 19.2#

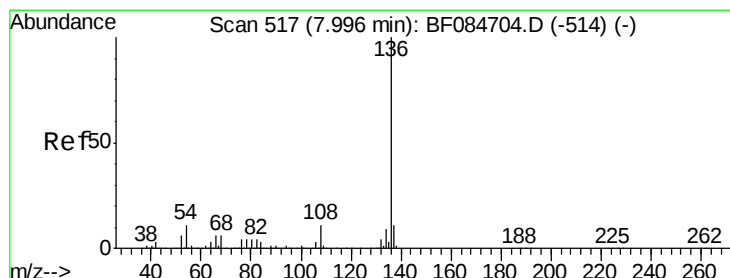
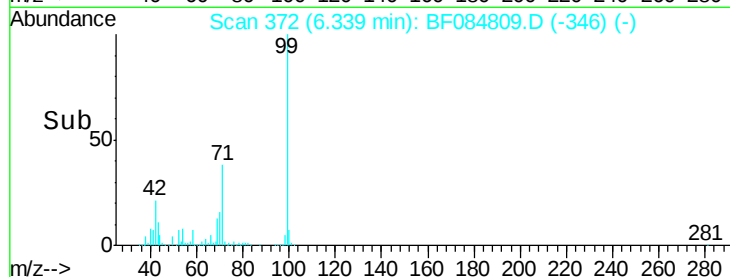
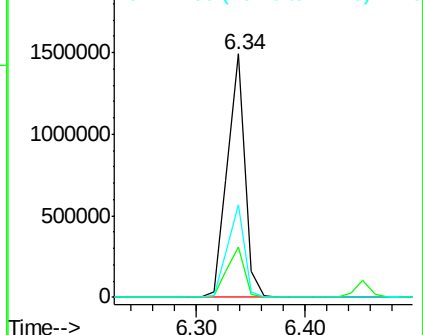
71 37.9 30.9 46.3

Manual Integrations
APPROVED

mohammad
2/4/2016 2:05:07 PM



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.97 min Scan# 515

Delta R.T. -0.00 min

Lab File: BF084809.D

Acq: 4 Feb 2016 2:44

Tgt Ion: 136 Resp: 770125

Ion Ratio Lower Upper

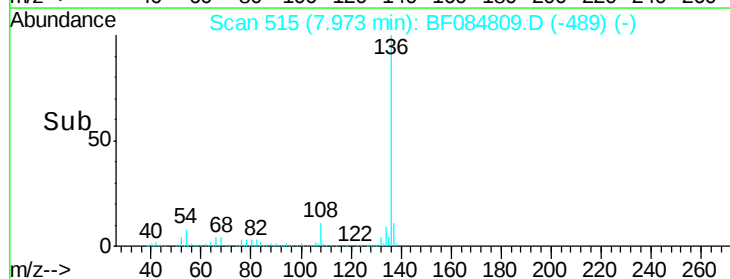
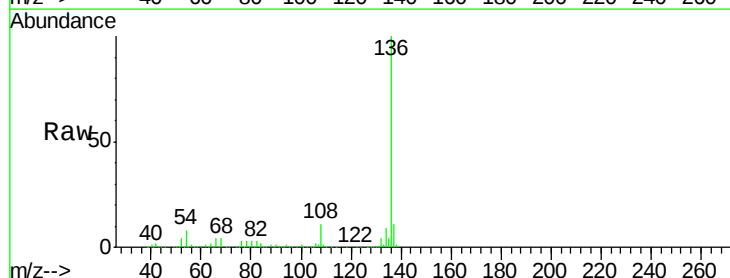
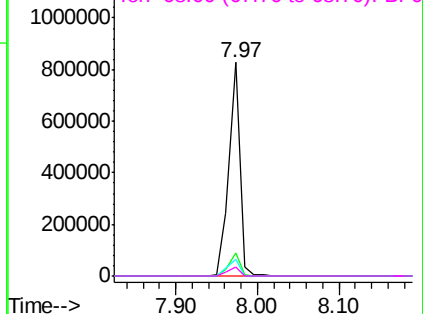
136 100

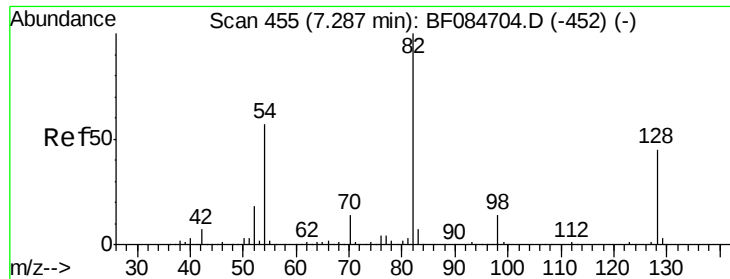
137 11.0 8.7 13.1

54 7.7 5.8 8.8

68 4.5 4.2 6.2

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0





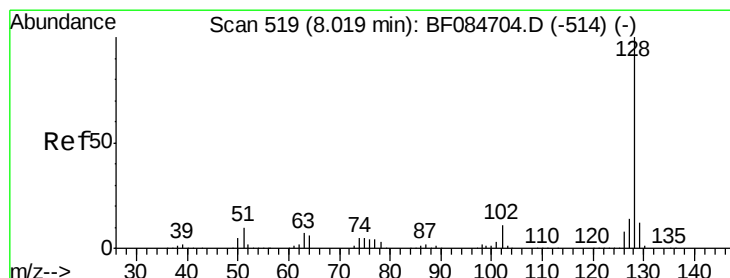
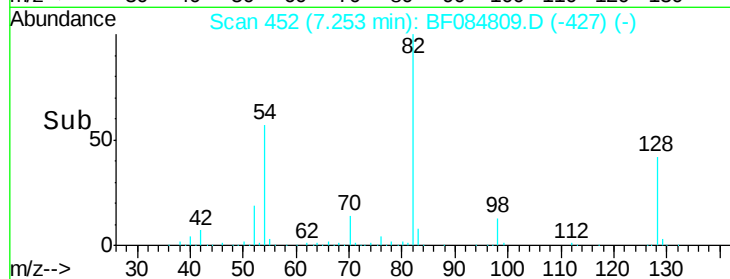
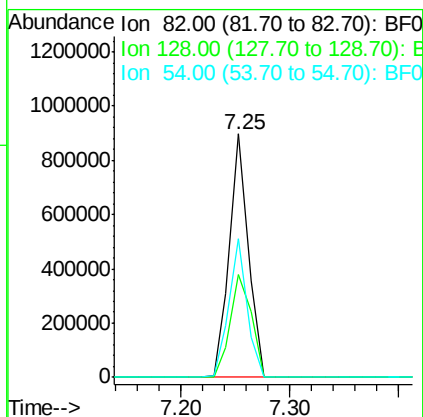
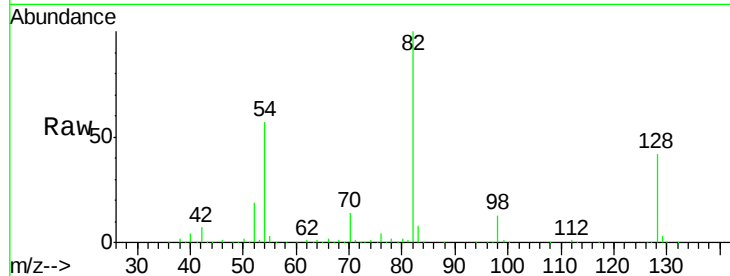
#23
Nitrobenzene-d5
Concen: 79.14 ng
RT: 7.25 min Scan# 452
Delta R.T. -0.01 min
Lab File: BF084809.D
Acq: 4 Feb 2016 2:44

Instrument :
BNA_F
ClientSampleId :
SUP-B036(20-22)

Tot Ion	Ratio	Lower	Upper
82	100		
128	42.0	34.6	51.8
54	57.2	38.4	57.6

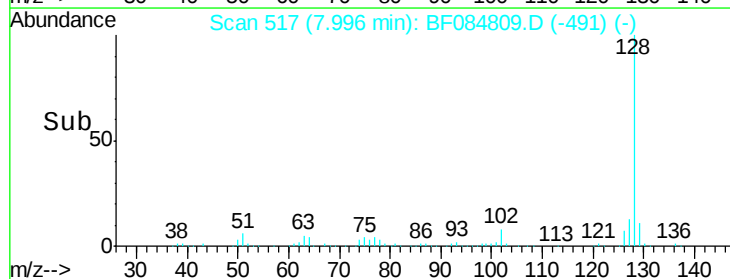
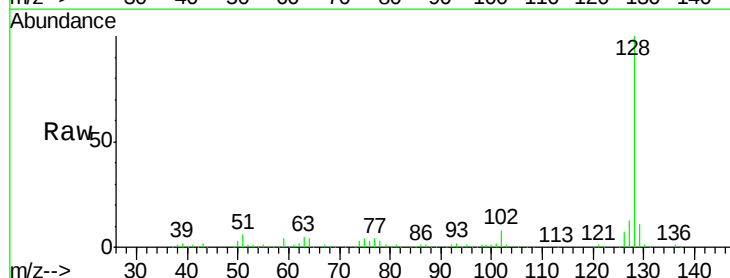
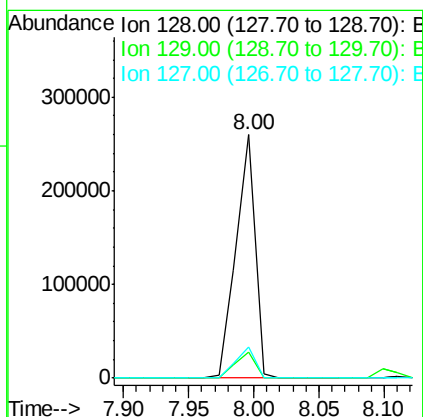
Manual Integrations
APPROVED

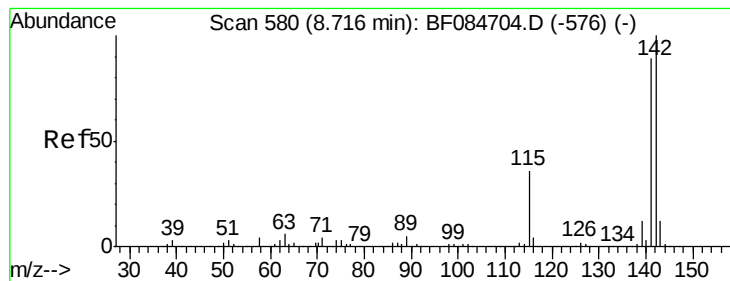
mohammad
2/4/2016 2:05:07 PM



#31
Naphthalene
Concen: 6.84 ng
RT: 8.00 min Scan# 517
Delta R.T. -0.00 min
Lab File: BF084809.D
Acq: 4 Feb 2016 2:44

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.5	9.1	13.7
127	12.8	11.1	16.7





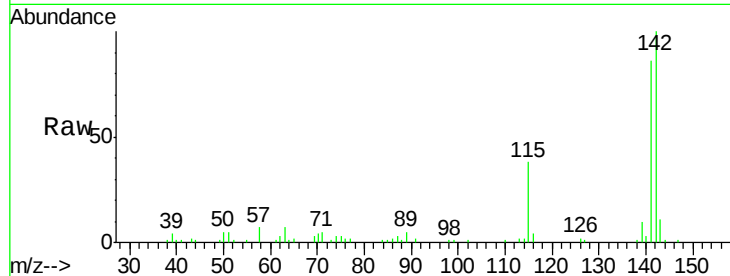
#37
2-Methylnaphthalene
Concen: 2.03 ng
RT: 8.68 min Scan# 577
Delta R.T. -0.01 min
Lab File: BF084809.D
Acq: 4 Feb 2016 2:44

Instrument :
BNA_F
ClientSampleId :
SUP-B036(20-22)

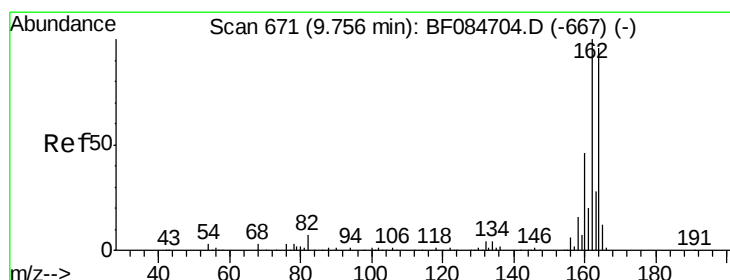
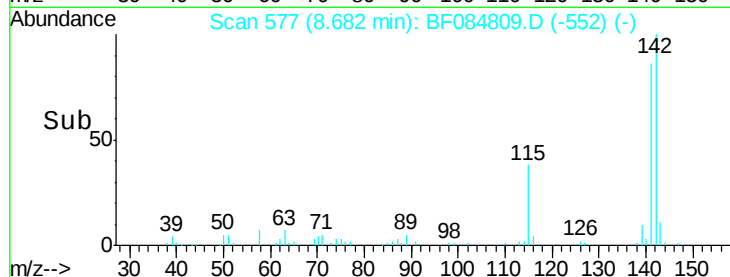
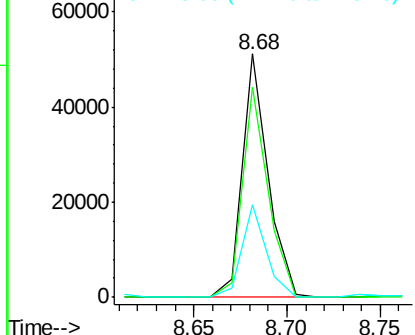
Tot Ion	Ratio	Lower	Upper
142	100		
141	86.1	72.4	108.6
115	38.0	27.9	41.9

Manual Integrations
APPROVED

mohammad
2/4/2016 2:05:07 PM

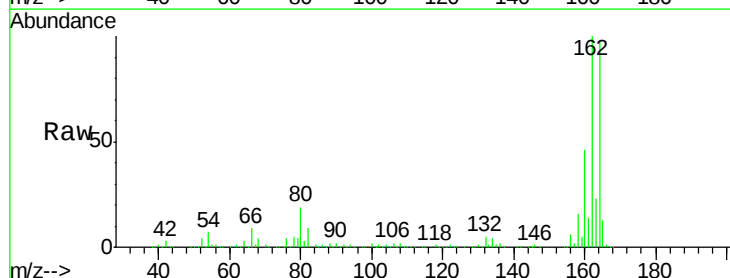


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

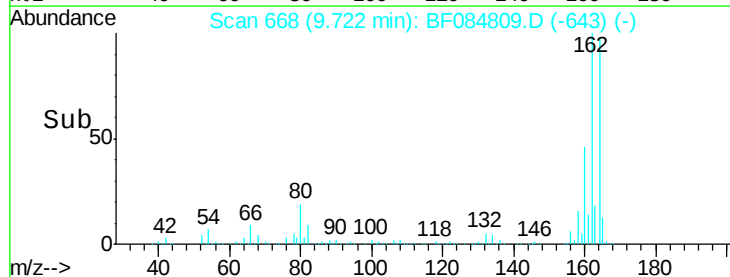
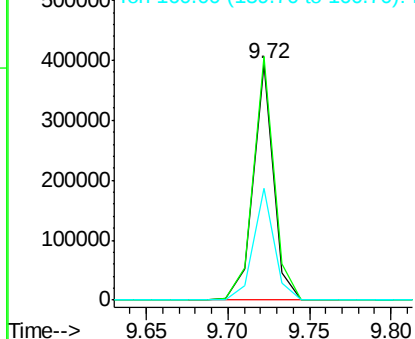


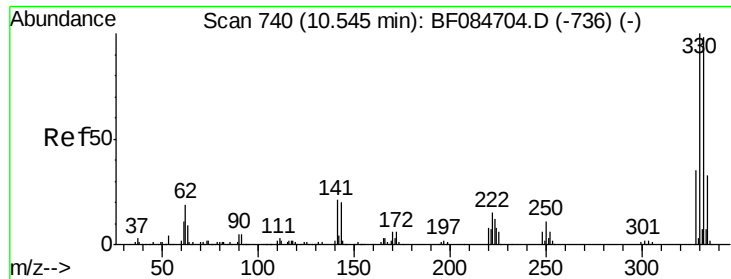
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.72 min Scan# 668
Delta R.T. -0.01 min
Lab File: BF084809.D
Acq: 4 Feb 2016 2:44

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.0	85.1	127.7
160	47.5	37.5	56.3



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





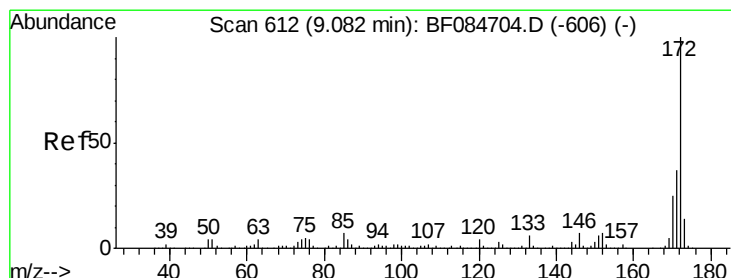
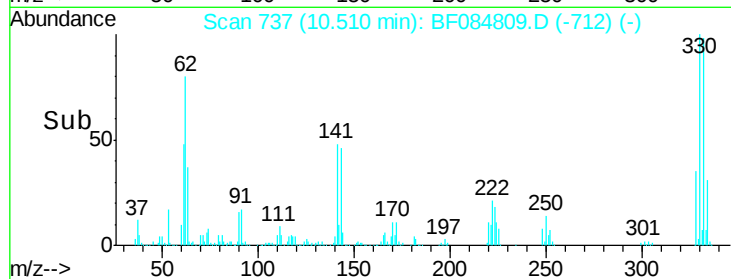
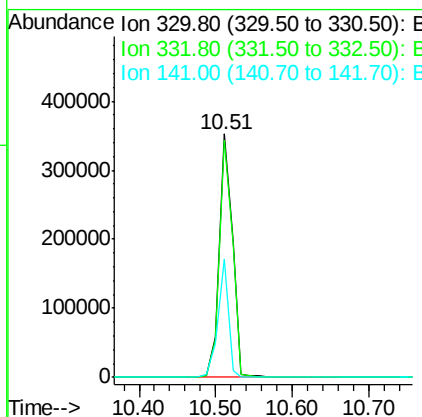
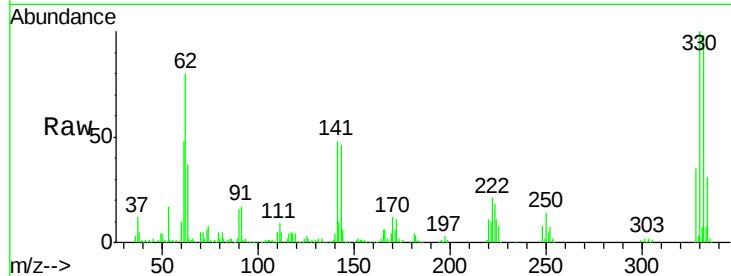
#41
 2,4,6-Tribromophenol
 Concen: 120.42 ng
 RT: 10.51 min Scan# 737
 Delta R.T. -0.01 min
 Lab File: BF084809.D
 Acq: 4 Feb 2016 2:44

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B036(20-22)

Tot Ion	Ratio	Resp	Lower	Upper
330	100	426226		
332	97.3		76.6	114.8
141	38.7		27.8	41.6

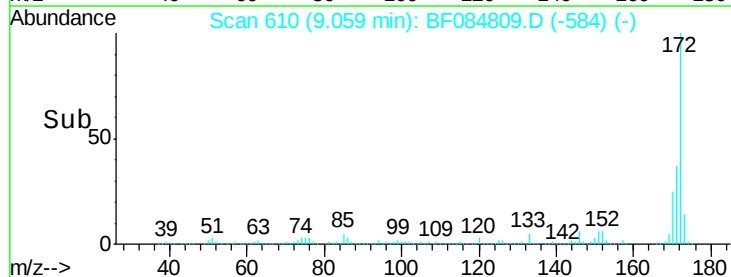
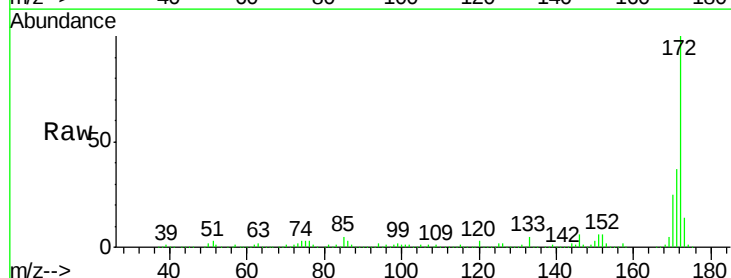
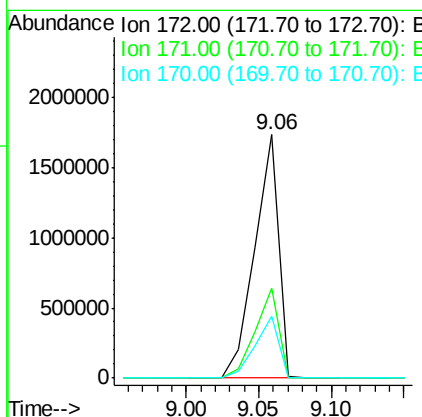
Manual Integrations
 APPROVED

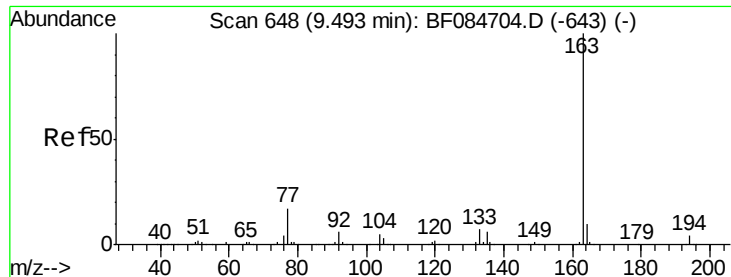
mohammad
 2/4/2016 2:05:07 PM



#44
 2-Fluorobiphenyl
 Concen: 108.53 ng
 RT: 9.06 min Scan# 610
 Delta R.T. -0.00 min
 Lab File: BF084809.D
 Acq: 4 Feb 2016 2:44

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1984408		
171	36.8		28.9	43.3
170	25.2		18.6	27.8





#49

Dimethylphthalate

Concen: 12.75 ng

RT: 9.45 min Scan# 644

Delta R.T. -0.02 min

Lab File: BF084809.D

Acq: 4 Feb 2016 2:44

Instrument :

BNA_F

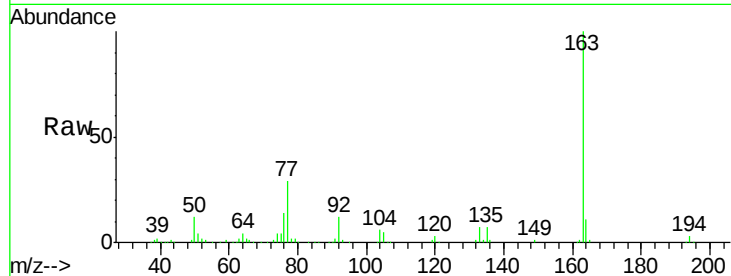
ClientSampleId :

SUP-B036(20-22)

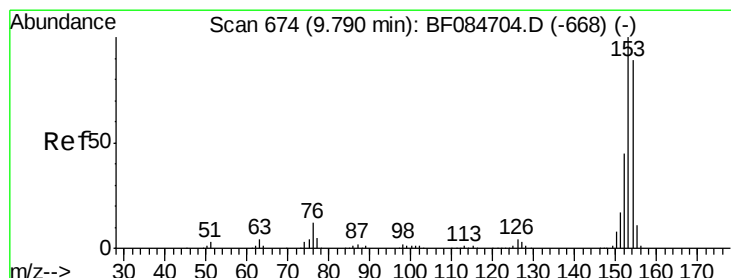
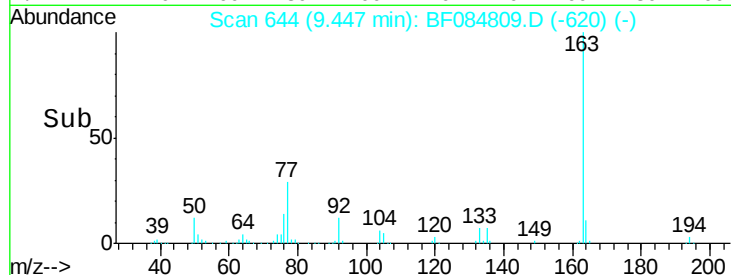
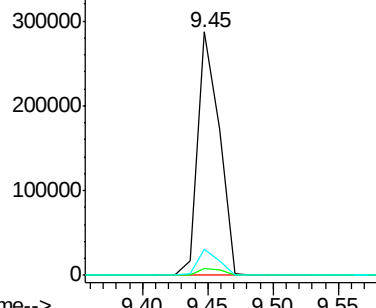
Tot Ion:	163	Resp:	329543
Ion Ratio		Lower	Upper
163	100		
194	2.5	8.0	12.0#
164	10.8	8.0	12.0

Manual Integrations
APPROVED

mohammad
2/4/2016 2:05:07 PM



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



#51

Acenaphthene

Concen: 2.58 ng

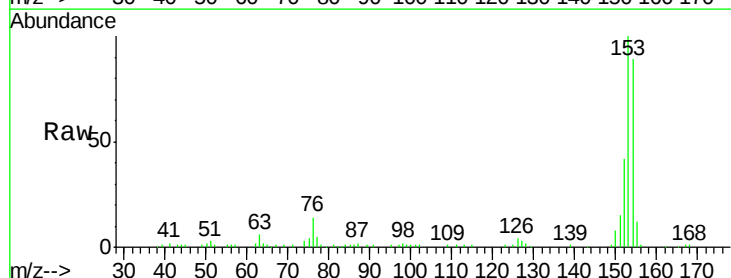
RT: 9.76 min Scan# 671

Delta R.T. -0.01 min

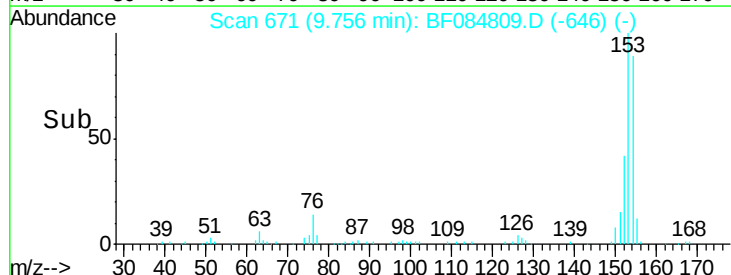
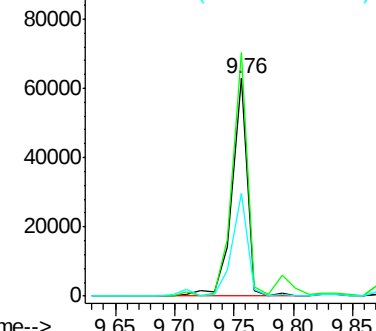
Lab File: BF084809.D

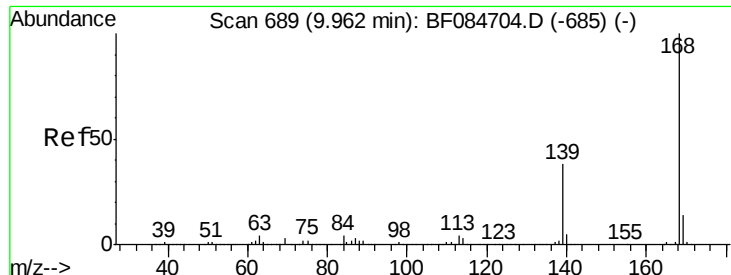
Acq: 4 Feb 2016 2:44

Tgt Ion:	154	Resp:	56745
Ion Ratio		Lower	Upper
154	100		
153	111.9	91.5	137.3
152	47.2	43.0	64.6



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





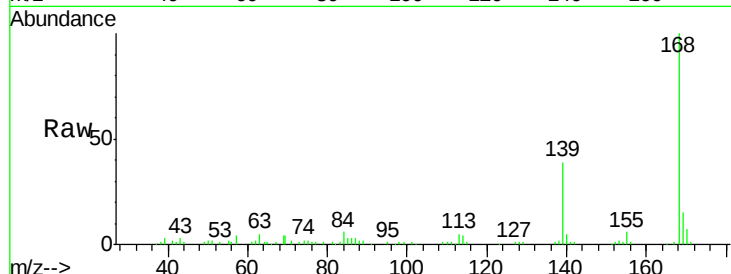
#54
Dibenzenofuran
Concen: 2.72 ng
RT: 9.93 min Scan# 686
Delta R.T. -0.01 min
Lab File: BF084809.D
Acq: 4 Feb 2016 2:44

Instrument :
BNA_F
ClientSampleId :
SUP-B036(20-22)

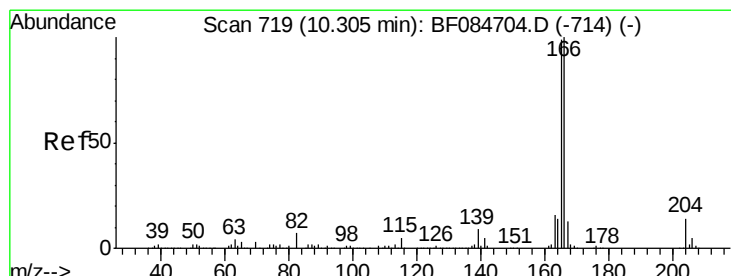
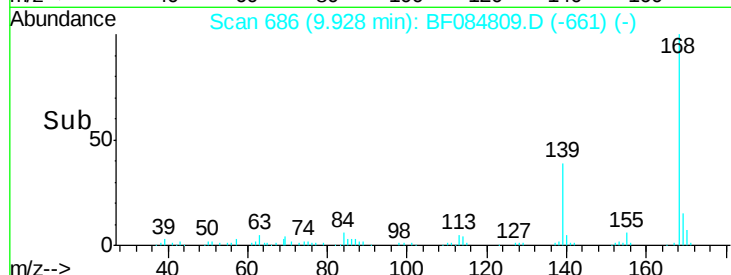
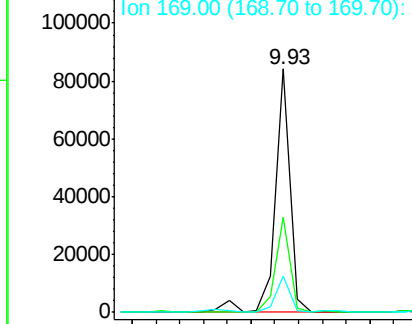
Tot Ion	Ratio	Lower	Upper
168	100		
139	39.1	30.5	45.7
169	14.9	10.4	15.6

Manual Integrations
APPROVED

mohammad
2/4/2016 2:05:07 PM



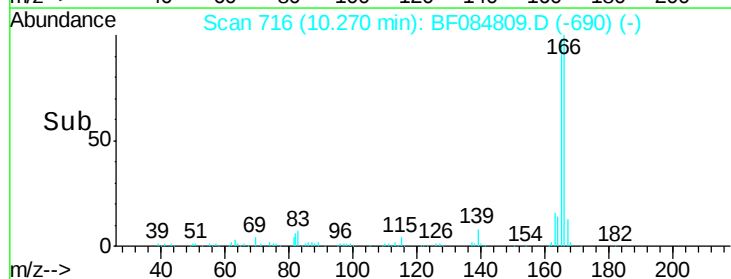
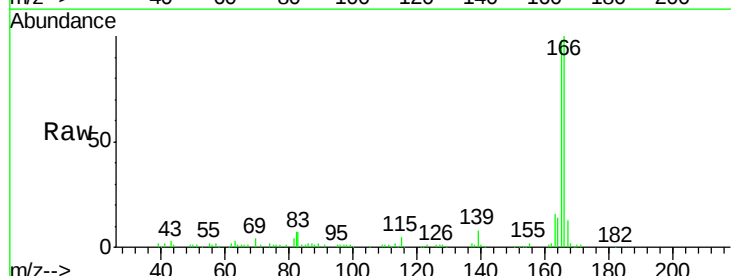
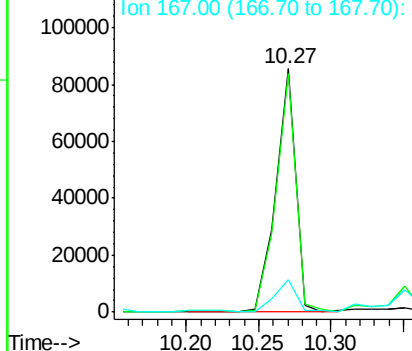
Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

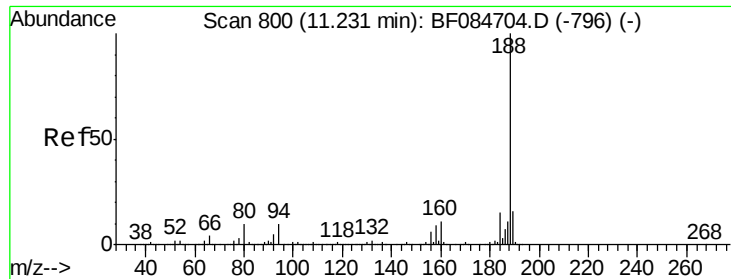


#57
Fluorene
Concen: 3.63 ng
RT: 10.27 min Scan# 716
Delta R.T. -0.00 min
Lab File: BF084809.D
Acq: 4 Feb 2016 2:44

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.8	79.1	118.7
167	13.3	10.4	15.6

Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





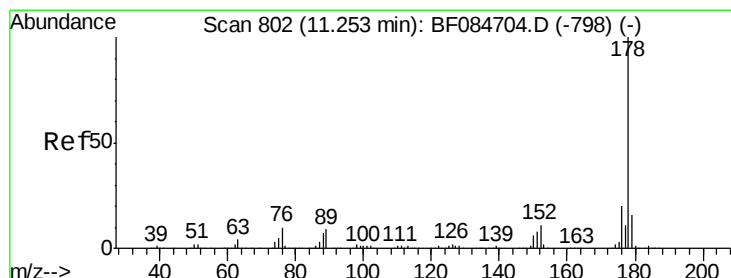
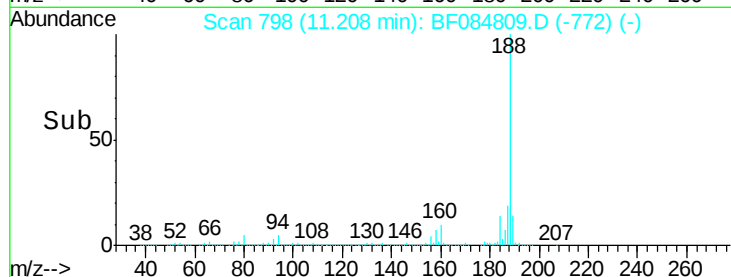
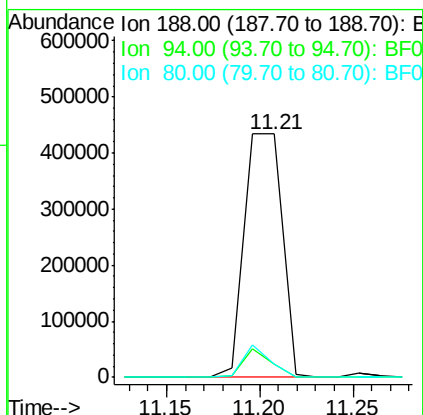
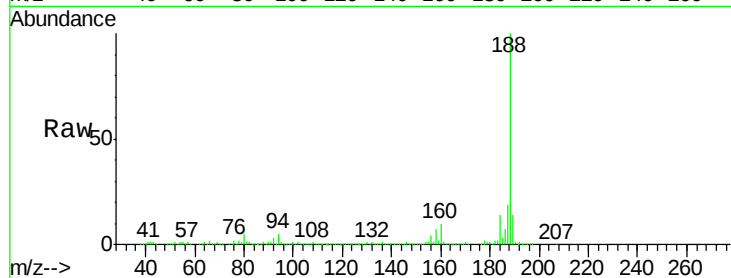
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.21 min Scan# 798
Delta R.T. -0.00 min
Lab File: BF084809.D
Acq: 4 Feb 2016 2:44

Instrument :
BNA_F
ClientSampleId :
SUP-B036(20-22)

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	5.2	9.0	13.4#
80	5.3	9.6	14.4#

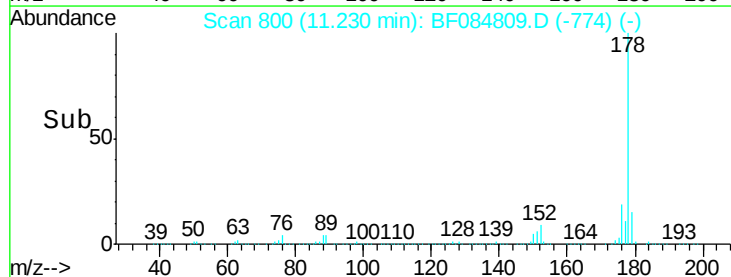
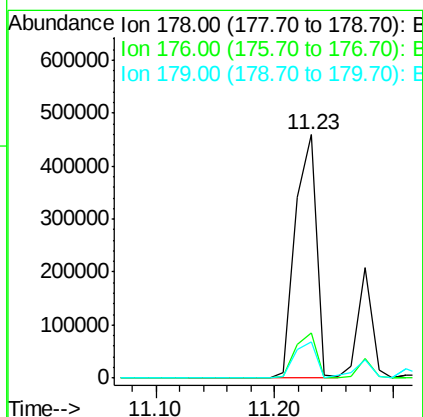
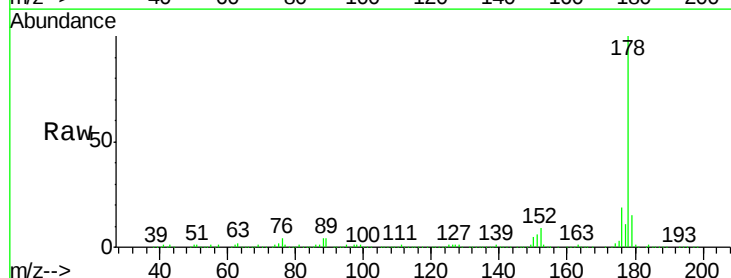
Manual Integrations
APPROVED

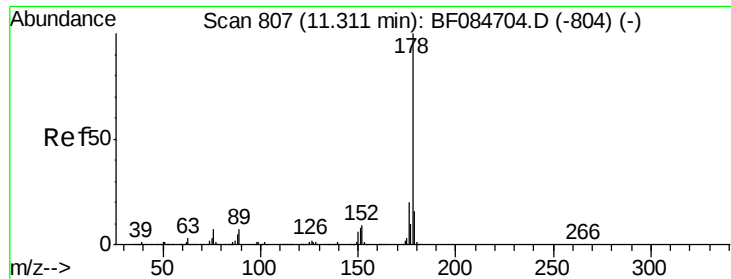
mohammad
2/4/2016 2:05:07 PM



#70
Phenanthrene
Concen: 16.62 ng
RT: 11.23 min Scan# 800
Delta R.T. -0.00 min
Lab File: BF084809.D
Acq: 4 Feb 2016 2:44

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.8	15.3	22.9
179	14.9	12.0	18.0





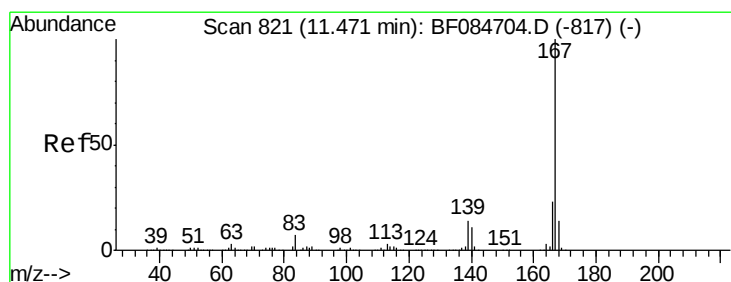
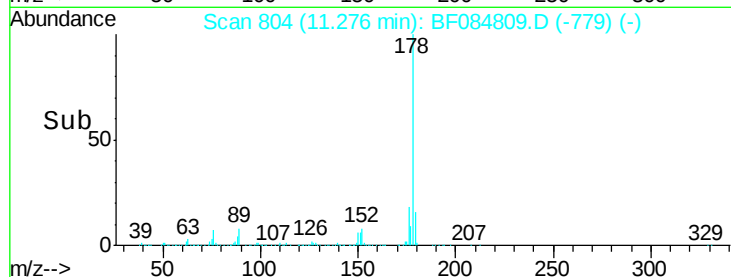
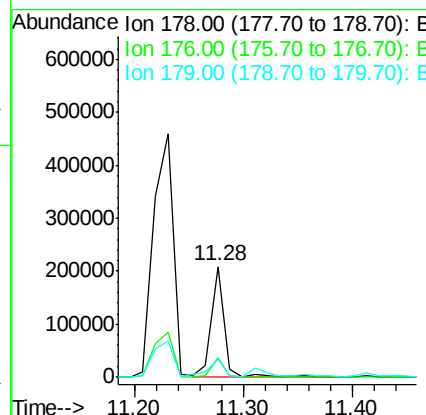
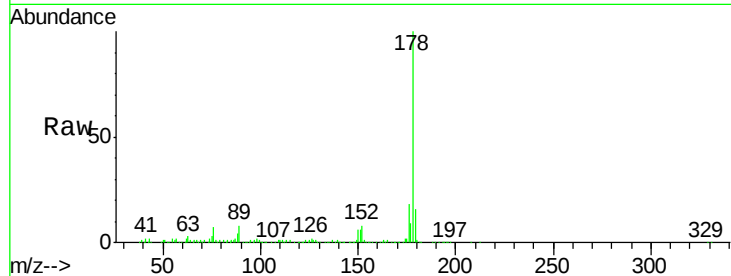
#71
 Anthracene
 Concen: 5.34 ng
 RT: 11.28 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: BF084809.D
 Acq: 4 Feb 2016 2:44

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B036(20-22)

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.4	23.0
179	16.1	12.5	18.7

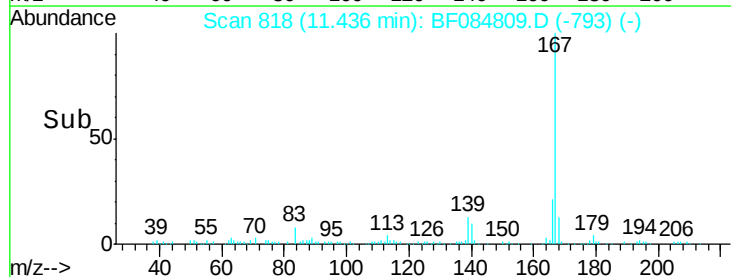
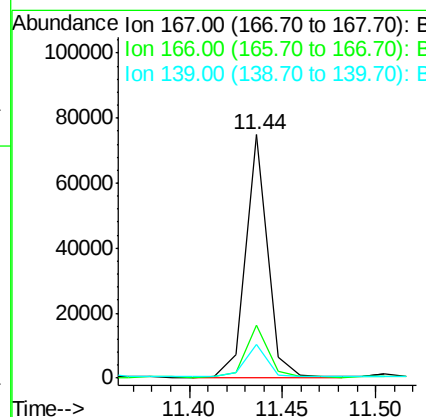
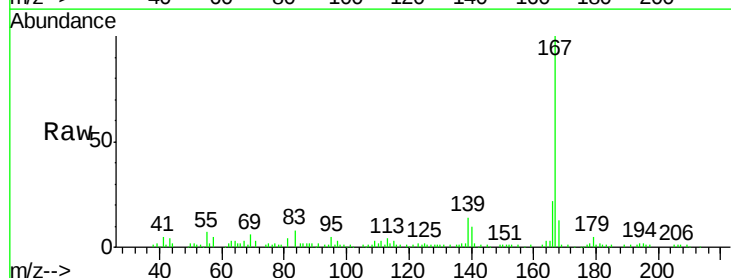
Manual Integrations
 APPROVED

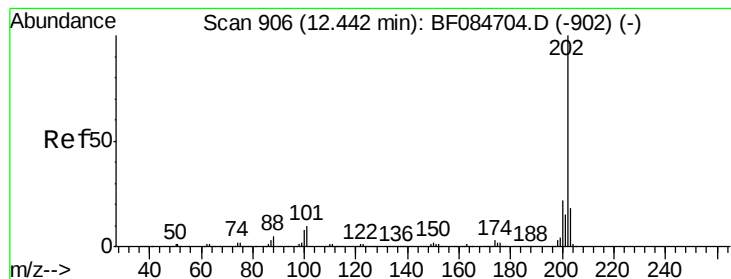
mohammad
 2/4/2016 2:05:07 PM



#72
 Carbazole
 Concen: 2.10 ng
 RT: 11.44 min Scan# 818
 Delta R.T. -0.01 min
 Lab File: BF084809.D
 Acq: 4 Feb 2016 2:44

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.0	17.6	26.4
139	13.6	11.8	17.8





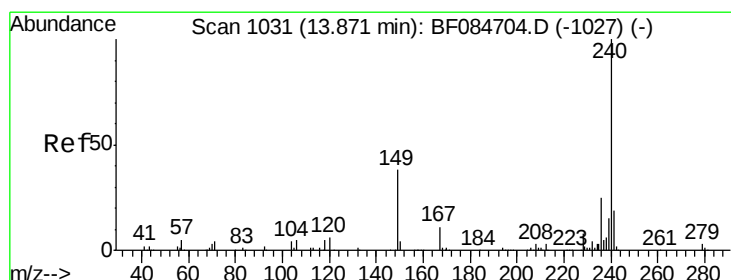
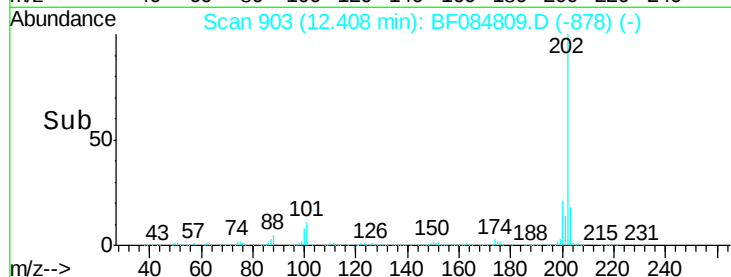
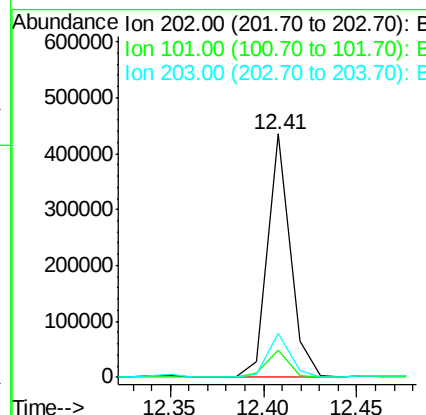
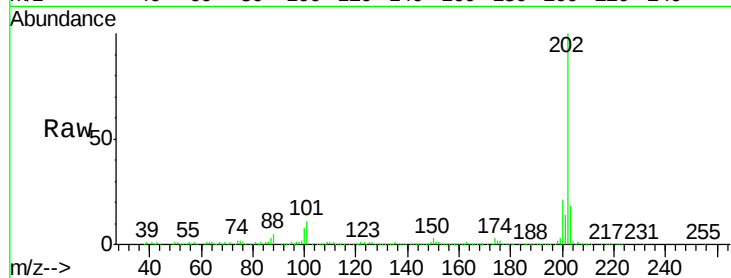
#74
 Fluoranthene
 Concen: 10.57 ng
 RT: 12.41 min Scan# 903
 Delta R.T. -0.01 min
 Lab File: BF084809.D
 Acq: 4 Feb 2016 2:44

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B036(20-22)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.0	0.0	32.8
203	17.8	0.0	37.9

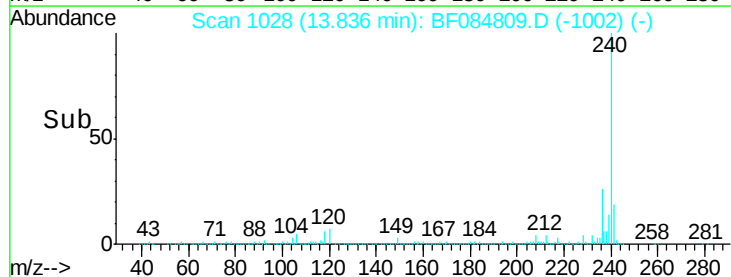
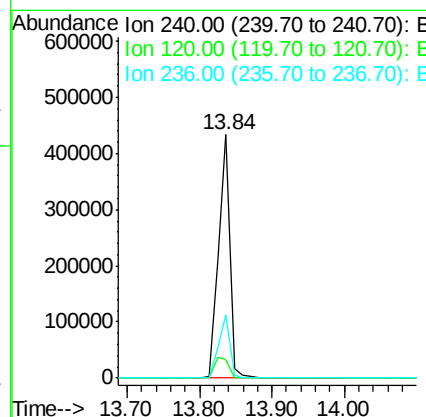
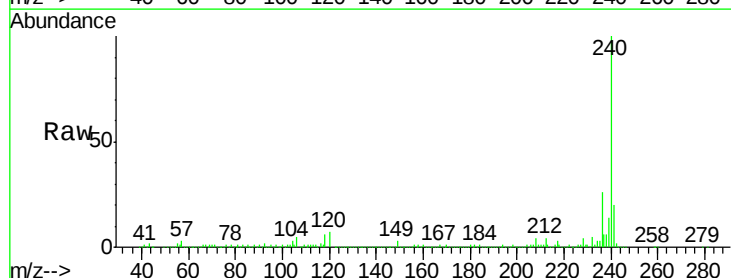
Manual Integrations
 APPROVED

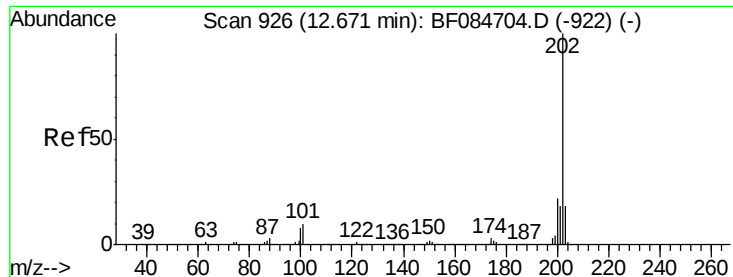
mohammad
 2/4/2016 2:05:07 PM



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.84 min Scan# 1028
 Delta R.T. -0.00 min
 Lab File: BF084809.D
 Acq: 4 Feb 2016 2:44

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	7.4	9.5	14.3#
236	26.0	20.6	31.0





#77

Pvrene

Concen: 9.68 ng

RT: 12.64 min Scan# 923

Delta R.T. -0.00 min

Lab File: BF084809.D

Acq: 4 Feb 2016 2:44

Instrument :

BNA_F

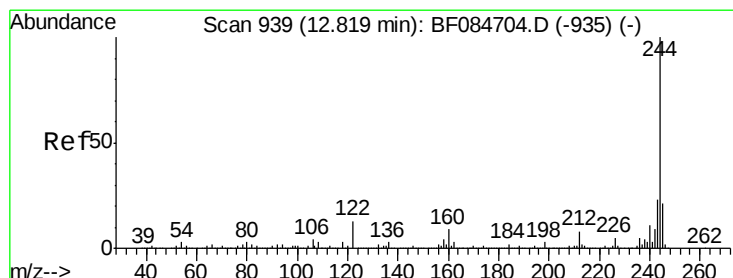
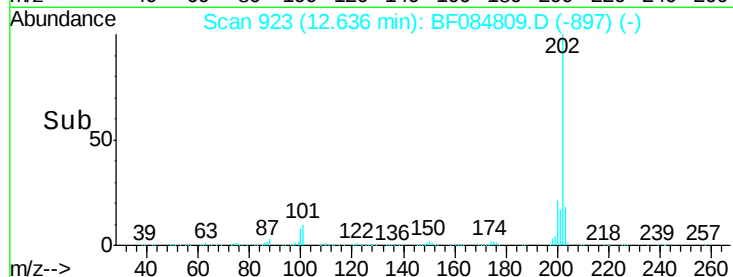
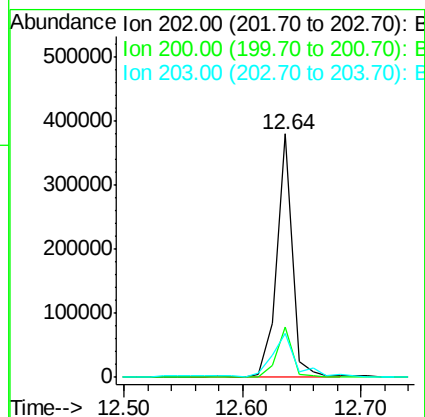
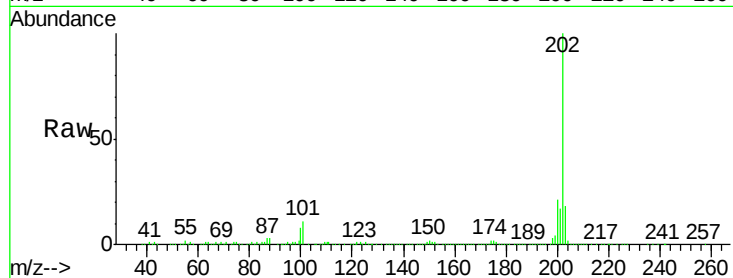
ClientSampleId :

SUP-B036(20-22)

Tot Ion:	202	Resp:	347562
Ion Ratio		Lower	Upper
202	100		
200	20.7	17.2	25.8
203	18.1	14.3	21.5

Manual Integrations
APPROVED

mohammad
2/4/2016 2:05:07 PM



#78

Terphenyl-d14

Concen: 83.81 ng

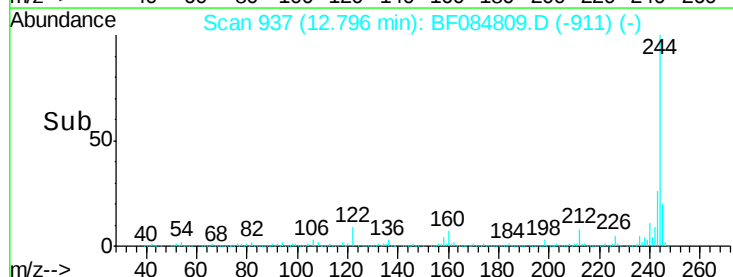
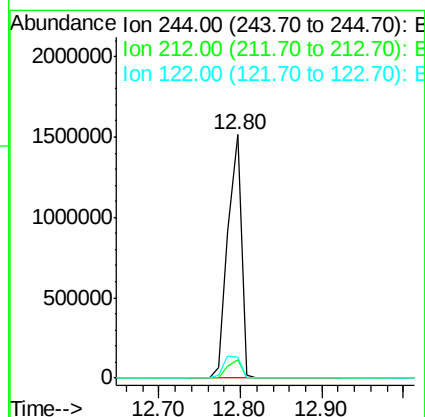
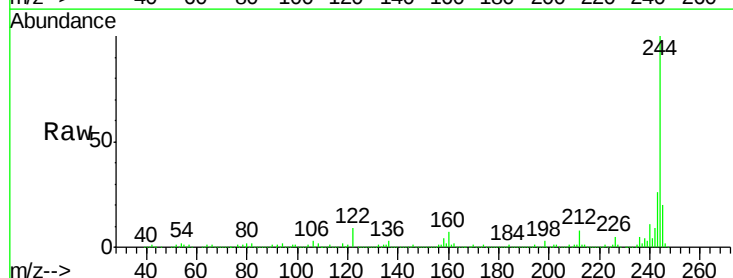
RT: 12.80 min Scan# 937

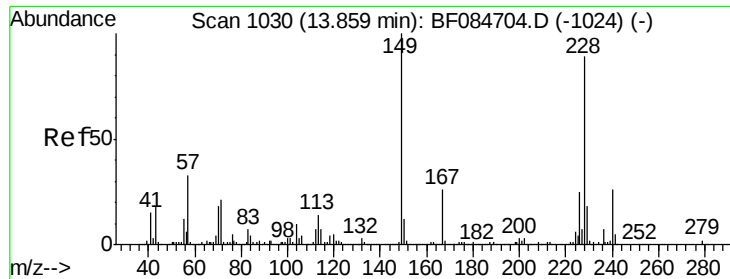
Delta R.T. -0.00 min

Lab File: BF084809.D

Acq: 4 Feb 2016 2:44

Tgt Ion:	244	Resp:	1734327
Ion Ratio		Lower	Upper
244	100		
212	7.6	5.7	8.5
122	8.8	7.4	11.0





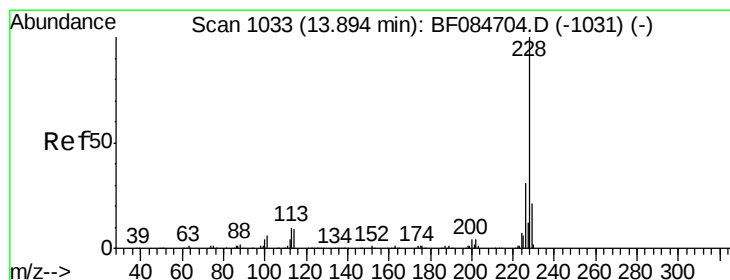
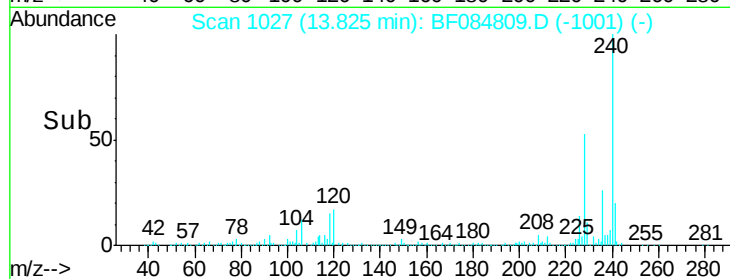
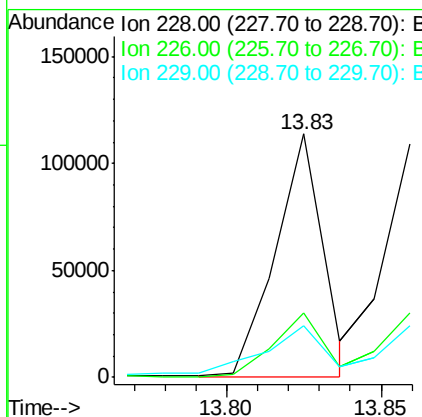
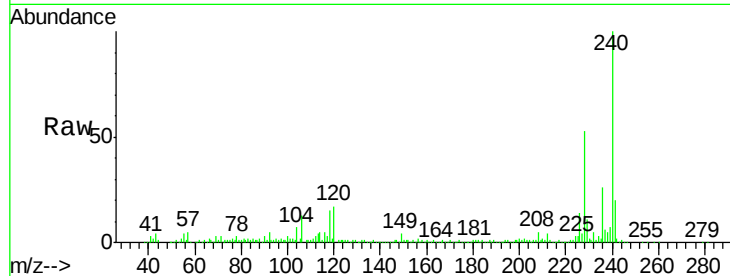
#80
Benzo(a)anthracene
Concen: 4.23 ng m
RT: 13.83 min Scan# 1027
Delta R.T. -0.00 min
Lab File: BF084809.D
Acq: 4 Feb 2016 2:44

Instrument :
BNA_F
ClientSampleId :
SUP-B036(20-22)

Tot Ion	Ratio	Lower	Upper
228	100		
226	26.6	21.8	32.6
229	21.3	15.8	23.8

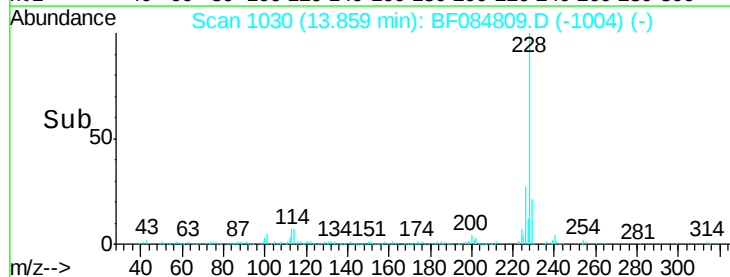
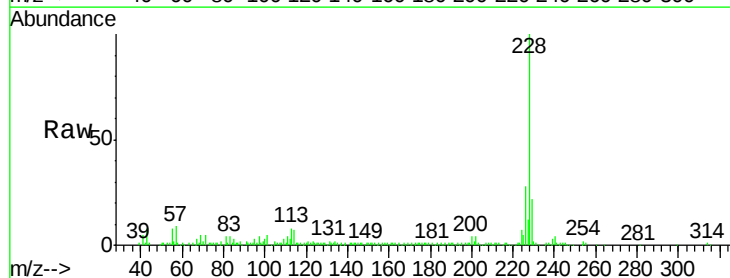
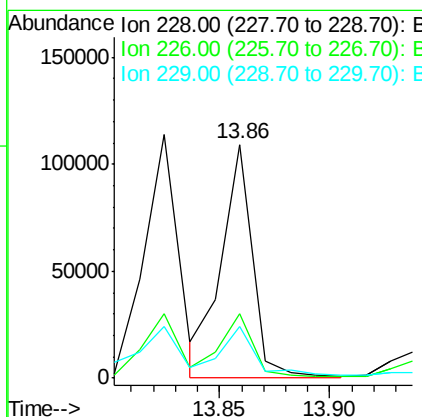
Manual Integrations
APPROVED

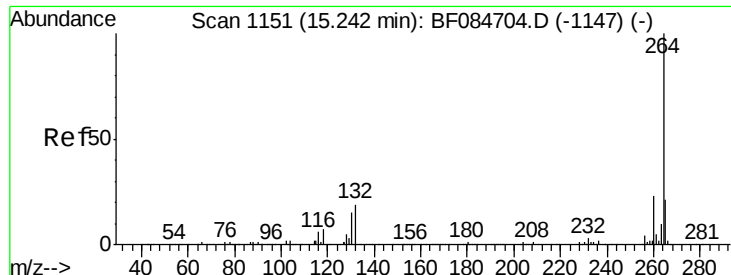
mohammad
2/4/2016 2:05:07 PM



#82
Chrysene
Concen: 3.85 ng m
RT: 13.86 min Scan# 1030
Delta R.T. -0.00 min
Lab File: BF084809.D
Acq: 4 Feb 2016 2:44

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.6	24.3	36.5
229	22.1	16.1	24.1





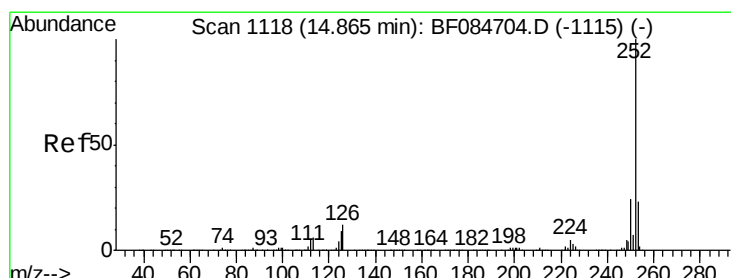
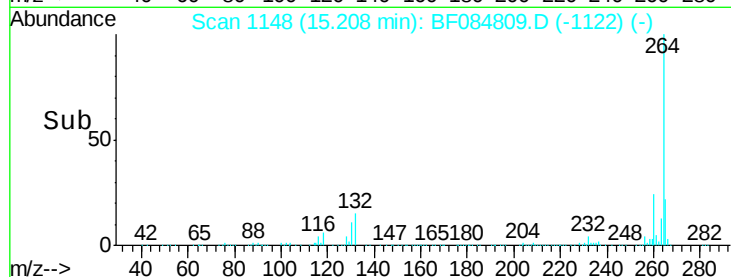
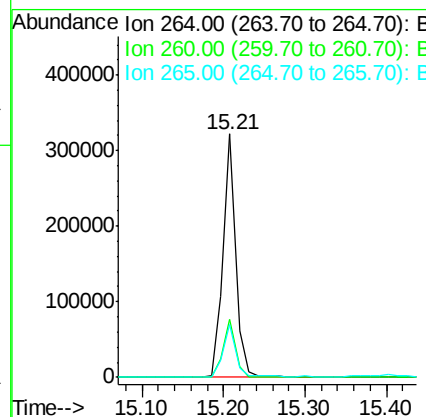
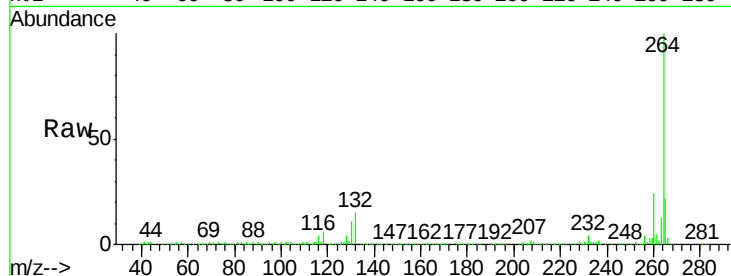
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.21 min Scan# 1148
Delta R.T. -0.00 min
Lab File: BF084809.D
Acq: 4 Feb 2016 2:44

Instrument :
BNA_F
ClientSampleId :
SUP-B036(20-22)

Tot Ion	Ratio	Resp	Lower	Upper
264	100			
260	23.8	19.4	29.2	
265	21.7	17.8	26.6	

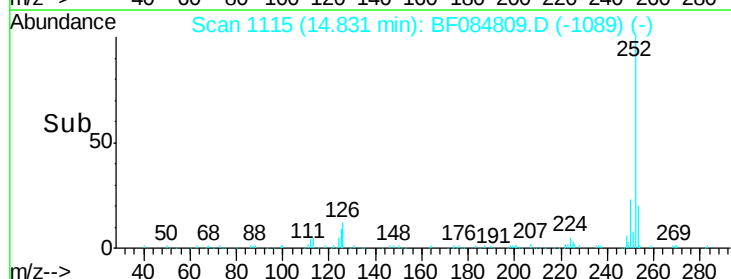
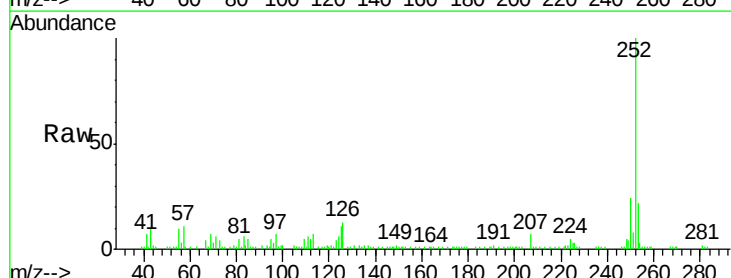
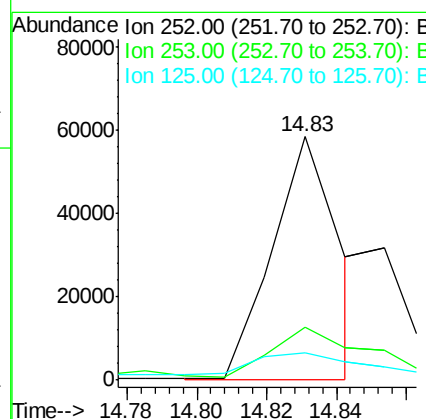
Manual Integrations
APPROVED

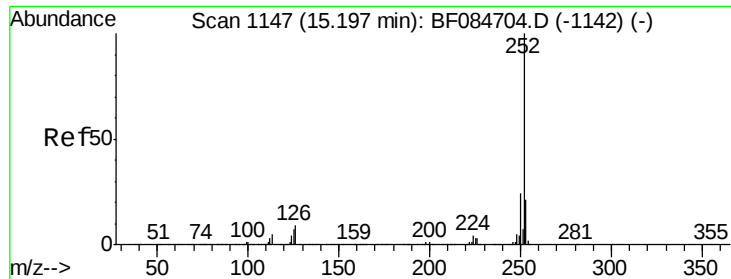
mohammad
2/4/2016 2:05:07 PM



#87
Benzo(b)fluoranthene
Concen: 3.30 ng m
RT: 14.83 min Scan# 1115
Delta R.T. -0.00 min
Lab File: BF084809.D
Acq: 4 Feb 2016 2:44

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	22.0	17.3	25.9	
125	11.4	6.5	9.7#	





#89
Benzo(a)pyrene
Concen: 3.20 ng
RT: 15.15 min Scan# 1143
Delta R.T. -0.00 min
Lab File: BF084809.D
Acq: 4 Feb 2016 2:44

Instrument :
BNA_F
ClientSampleId :
SUP-B036(20-22)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.3	25.9
125	10.5	7.0	10.4

Manual Integrations
APPROVED

mohammad
2/4/2016 2:05:07 PM

