

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071717\
 Data File : BF096824.D
 Acq On : 17 Jul 2017 17:27
 Operator : SJ/JU
 Sample : I4203-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DL-SB02A

Manual Integrations
 APPROVED

mohammad
 7/20/2017 8:38:25 AM

Quant Time: Jul 17 19:04:25 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 17 18:17:21 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.62	152	105120	20.00	ng	0.00
21) Naphthalene-d8	7.90	136	357066	20.00	ng	0.00
38) Acenaphthene-d10	9.66	164	115846	20.00	ng	0.02
63) Phenanthrene-d10	11.13	188	169535	20.00	ng	0.01
75) Chrysene-d12	13.74	240	223830	20.00	ng	0.00
86) Perylene-d12	15.12	264	223112	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.23	112	813308	116.33	ng	0.02
7) Phenol-d6	6.27	99	946849	112.86	ng	0.00
23) Nitrobenzene-d5	7.18	82	553089	95.95	ng	0.00
41) 2,4,6-Tribromophenol	10.44	330	105590	106.78	ng	0.01
44) 2-Fluorobiphenyl	8.98	172	748986	102.15	ng	0.00
78) Terphenyl-d14	12.70	244	532082	41.23	ng	0.00
Target Compounds						
10) Phenol	6.28	94	40693	4.291	ng	95
37) 2-Methylnaphthalene	8.62	142	541127	50.179	ng	99
49) Dimethylphthalate	9.37	163	81618	9.357	ng	# 76
51) Acenaphthene	9.69	154	75113	10.908	ng	# 85
57) Fluorene	10.20	166	159114	22.314	ng	# 80
70) Phenanthrene	11.15	178	372908	40.453	ng	96
71) Anthracene	11.20	178	89300m	9.581	ng	
74) Fluoranthene	12.33	202	148712	16.854	ng	98
77) Pyrene	12.55	202	180094	8.866	ng	98
80) Benzo(a)anthracene	13.73	228	41290	2.961	ng	97
82) Chrysene	13.76	228	32897m	2.396	ng	
85) Indeno(1,2,3-cd)pyrene	16.40	276	9560	4.053	ng	# 77
87) Benzo(b)fluoranthene	14.73	252	31300m	2.326	ng	

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

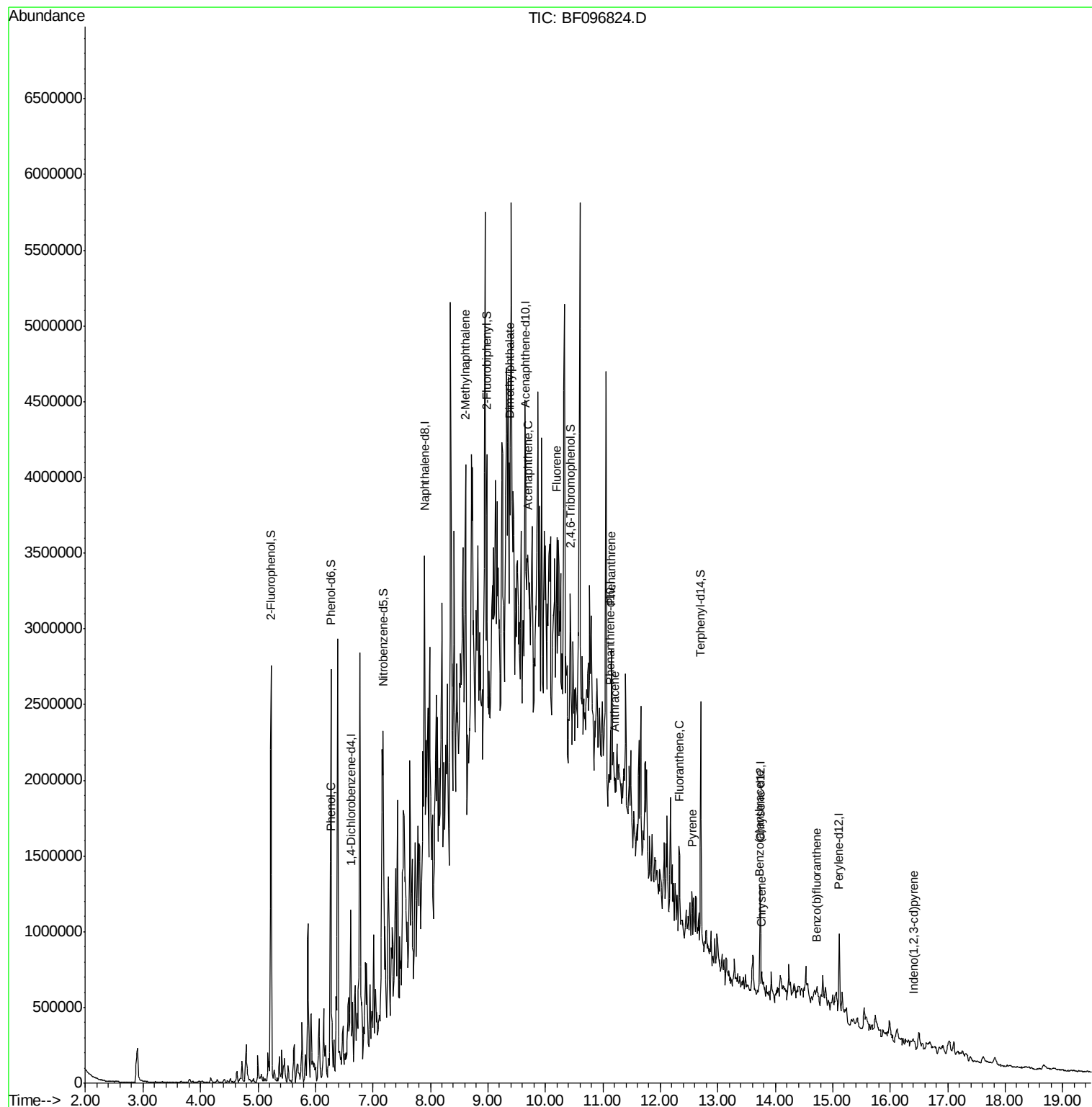
Data Path : Z:\HPCHEM1\BNA F\DATA\BF071717\
Data File : BF096824.D
Acq On : 17 Jul 2017 17:27
Operator : SJ/JU
Sample : I4203-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

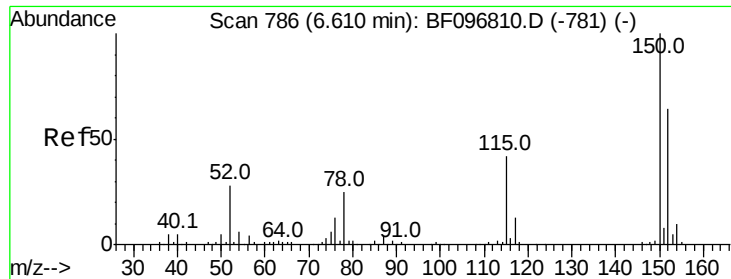
Instrument :
BNA_F
ClientSampleId :
DL-SB02A

Manual Integrations
APPROVED

mohammad
7/20/2017 8:38:25 AM

Quant Time: Jul 17 19:04:25 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 17 18:17:21 2017
Response via : Initial Calibration





#1

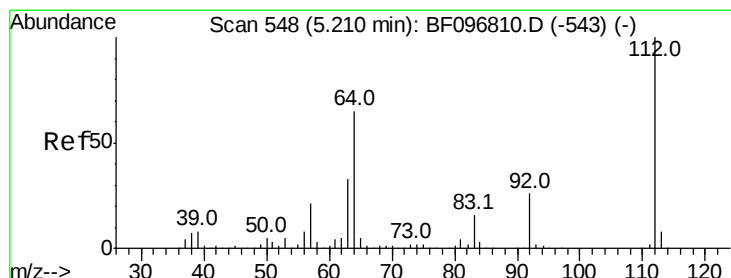
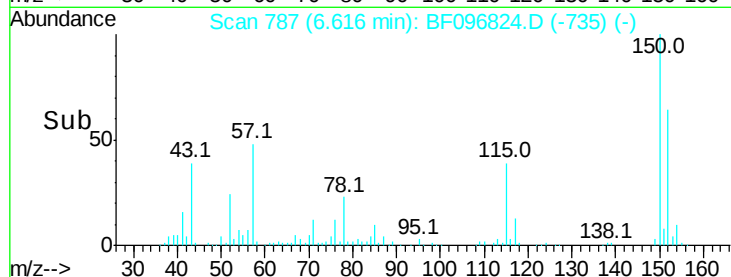
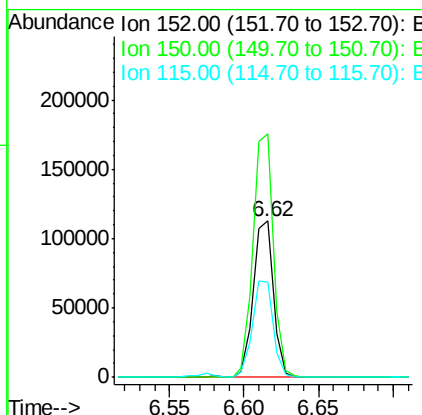
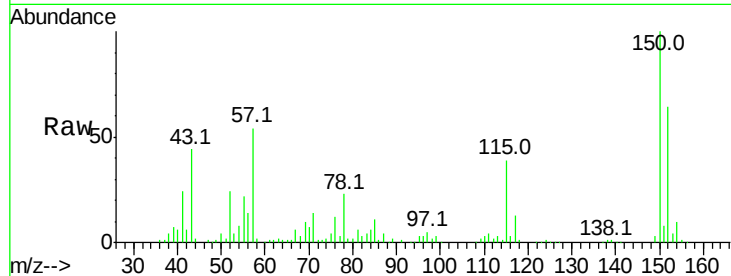
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.62 min Scan# 787
 Delta R.T. 0.01 min
 Lab File: BF096824.D
 Acq: 17 Jul 2017 17:27

Instrument :
 BNA_F
 ClientSampleId :
 DL-SB02A

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	126.2	189.2
115	60.7	52.2	78.2

Manual Integrations
 APPROVED

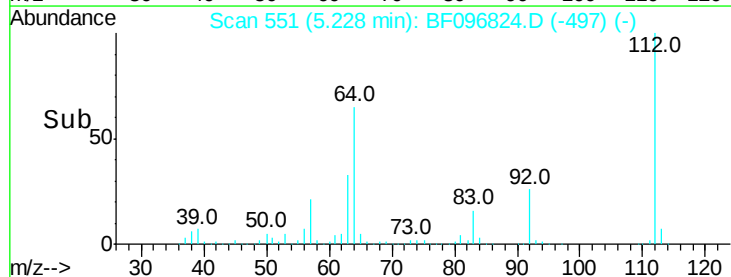
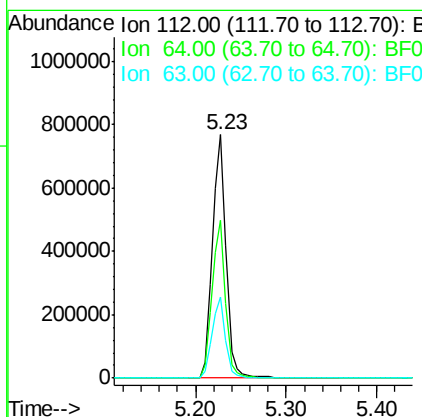
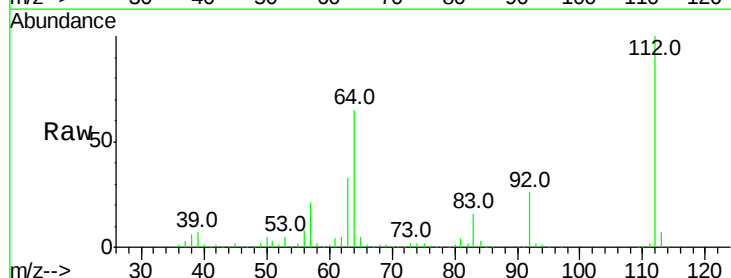
mohammad
 7/20/2017 8:38:25 AM

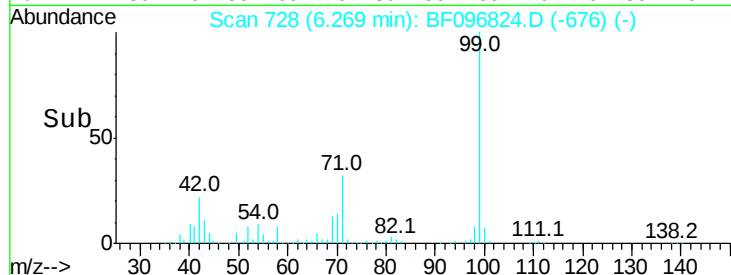
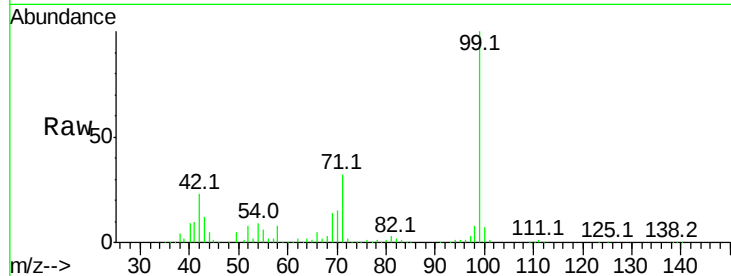
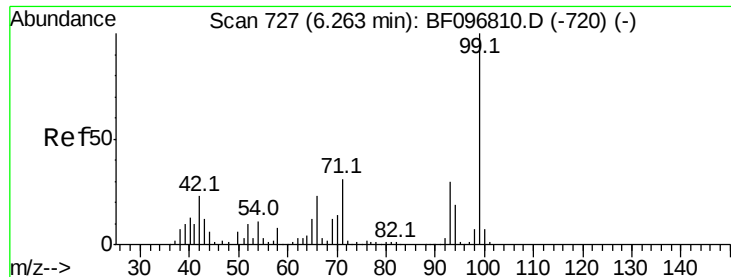


#5

2-Fluorophenol
 Concen: 116.331 ng
 RT: 5.23 min Scan# 551
 Delta R.T. 0.02 min
 Lab File: BF096824.D
 Acq: 17 Jul 2017 17:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.8	46.0	69.0
63	33.1	23.4	35.0





#7

Phenol-d6

Concen: 112.858 ng

RT: 6.27 min Scan# 728

Delta R.T. 0.01 min

Lab File: BF096824.D

Acq: 17 Jul 2017 17:27

Tot Ion	99	Resp	946849
Ion Ratio	Lower	Upper	
99	100		
42	22.7	13.5	20.3#
71	32.3	24.5	36.7

Instrument :

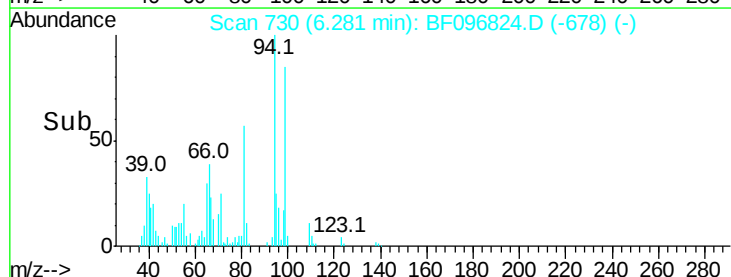
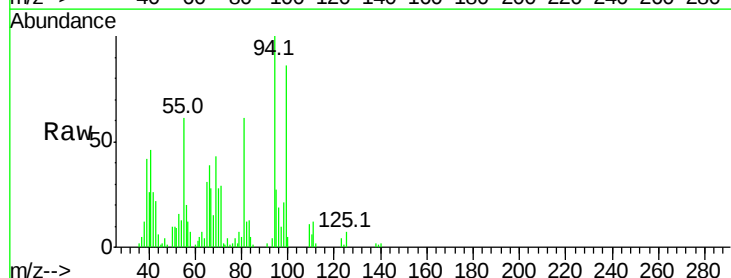
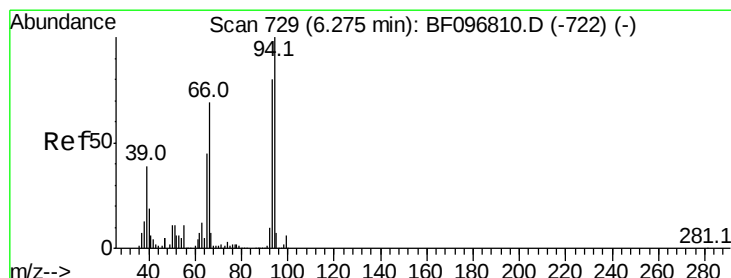
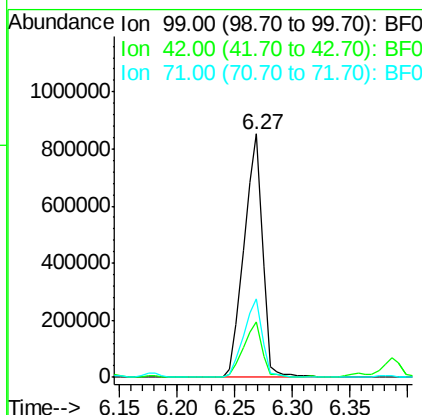
BNA_F

ClientSampled :

DL-SB02A

Manual Integrations
APPROVED

mohammad
7/20/2017 8:38:25 AM



#10

Phenol

Concen: 4.291 ng

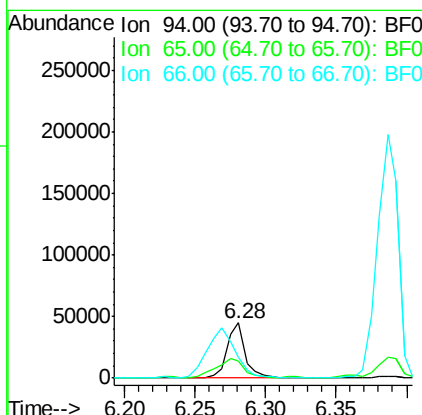
RT: 6.28 min Scan# 730

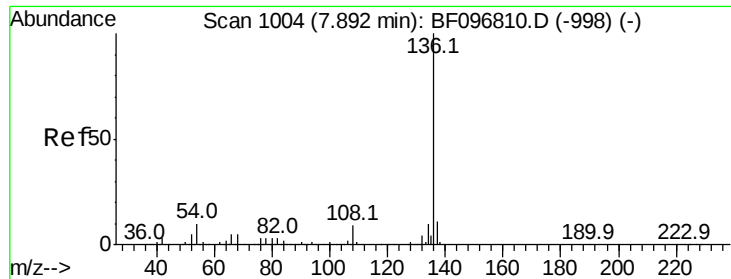
Delta R.T. 0.01 min

Lab File: BF096824.D

Acq: 17 Jul 2017 17:27

Tgt Ion	94	Resp	40693
Ion Ratio	Lower	Upper	
94	100		
65	31.3	9.9	49.9
66	38.7	23.1	63.1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.90 min Scan# 1005

Delta R.T. 0.01 min

Lab File: BF096824.D

Acq: 17 Jul 2017 17:27

Instrument :

BNA_F

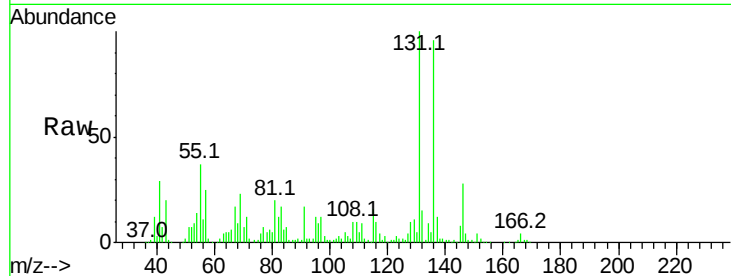
ClientSampleId :

DL-SB02A

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	12.5	8.5	12.7
54	14.6	4.9	7.3#
68	9.7	4.1	6.1#

Manual Integrations
APPROVED

mohammad
7/20/2017 8:38:25 AM

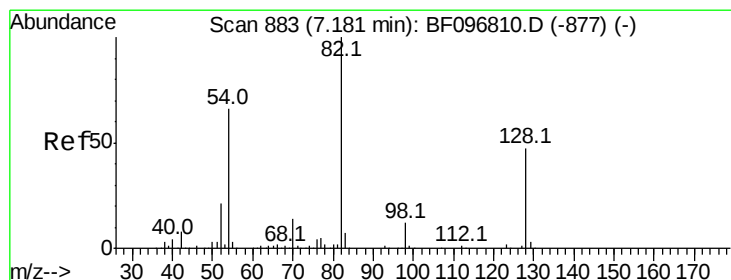
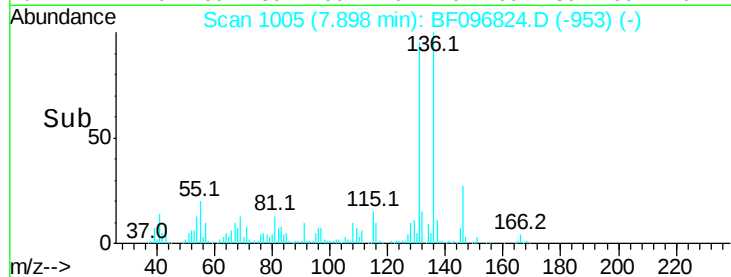
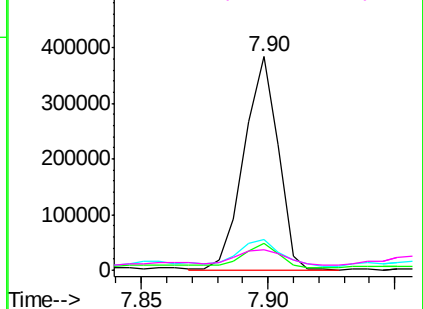


Abundance Ion 136.00 (135.70 to 136.70): E

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: 95.945 ng

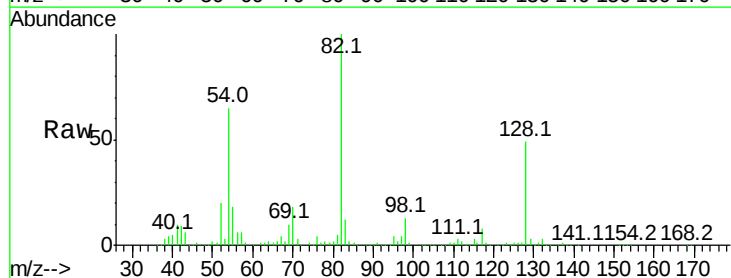
RT: 7.18 min Scan# 883

Delta R.T. -0.00 min

Lab File: BF096824.D

Acq: 17 Jul 2017 17:27

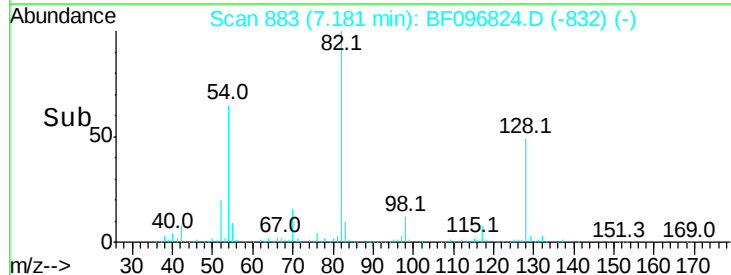
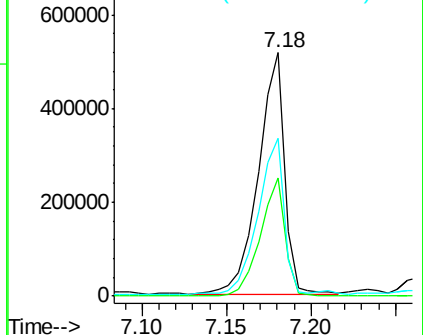
Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	48.8	34.0	51.0
54	64.9	42.2	63.2#

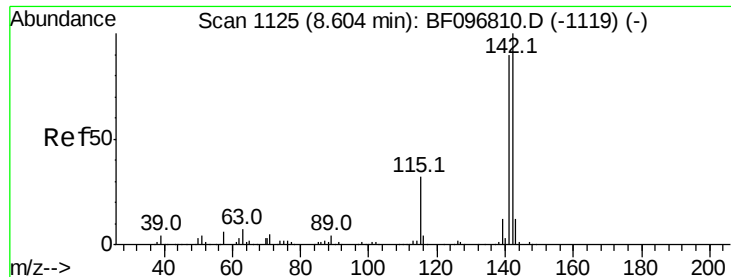


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





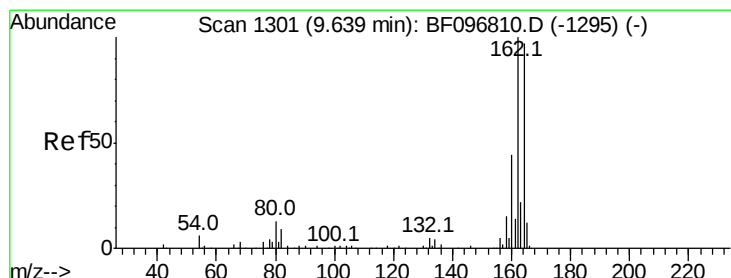
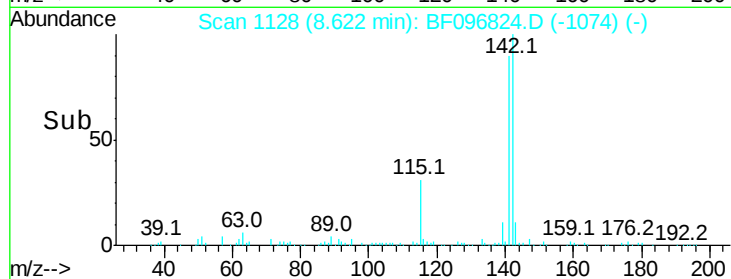
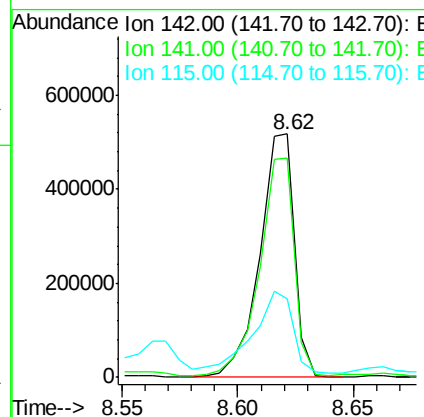
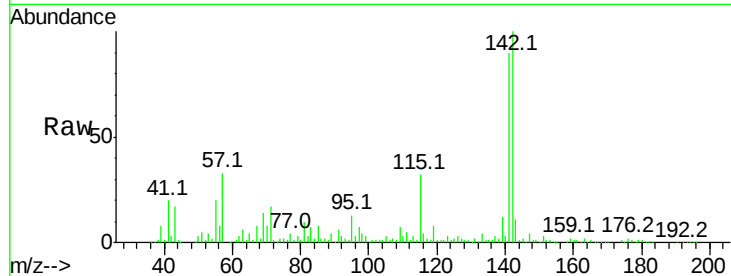
#37
2-Methylnaphthalene
Concen: 50.179 ng
RT: 8.62 min Scan# 1128
Delta R.T. 0.02 min
Lab File: BF096824.D
Acq: 17 Jul 2017 17:27

Instrument :
BNA_F
ClientSampleId :
DL-SB02A

Tot Ion	Ratio	Resp	Lower	Upper
142	100	541127		
141	90.0	71.3	106.9	
115	32.3	27.1	40.7	

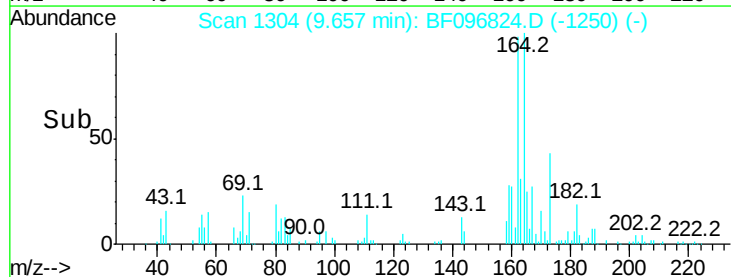
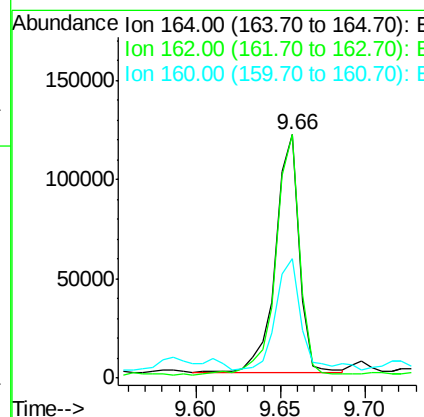
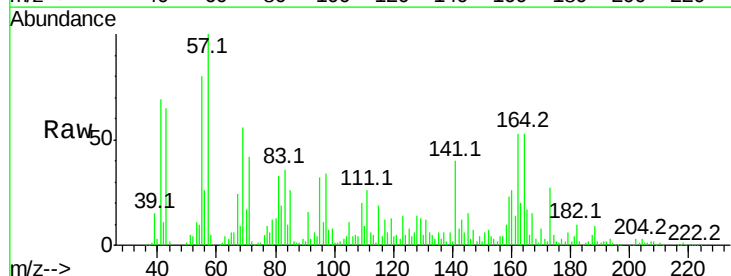
Manual Integrations
APPROVED

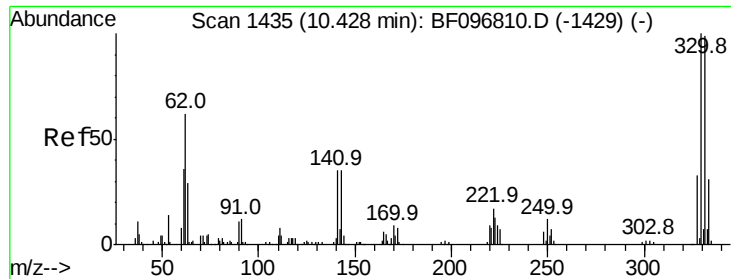
mohammad
7/20/2017 8:38:25 AM



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.66 min Scan# 1304
Delta R.T. 0.02 min
Lab File: BF096824.D
Acq: 17 Jul 2017 17:27

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	115846		
162	99.9	82.6	123.8	
160	49.3	36.2	54.2	





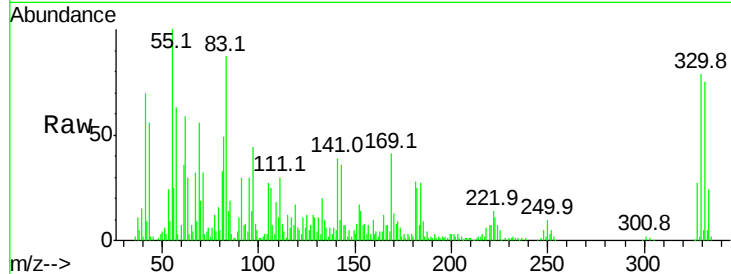
#41
 2,4,6-Tribromophenol
 Concen: 106.781 ng
 RT: 10.44 min Scan# 1437
 Delta R.T. 0.01 min
 Lab File: BF096824.D
 Acq: 17 Jul 2017 17:27

Instrument :
 BNA_F
 ClientSampleID :
 DL-SB02A

Tot Ion	Ratio	Resp	Lower	Upper
330	100	105590		
332	97.0	76.6	115.0	
141	52.1	31.4	47.2#	

Manual Integrations
 APPROVED

mohammad
 7/20/2017 8:38:25 AM

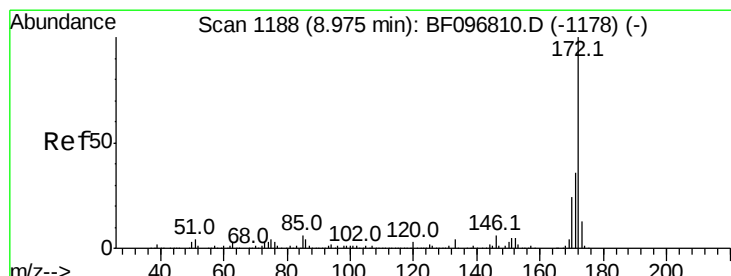
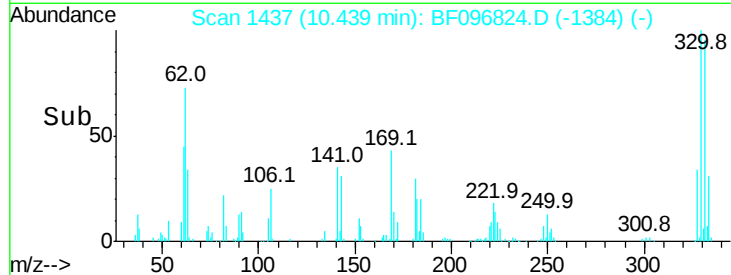
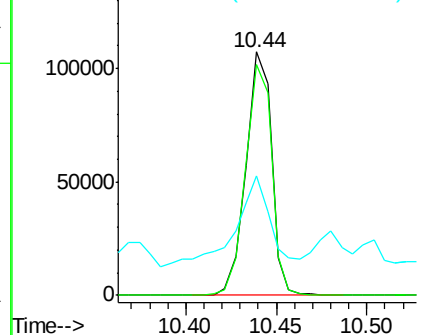


Abundance

Ion 329.80 (329.50 to 330.50): E

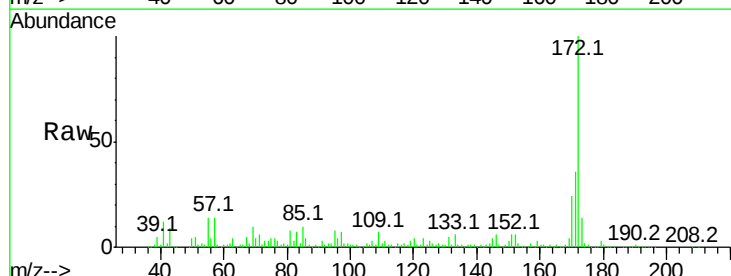
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 102.148 ng
 RT: 8.98 min Scan# 1189
 Delta R.T. 0.01 min
 Lab File: BF096824.D
 Acq: 17 Jul 2017 17:27

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	748986		
171	36.3	29.6	44.4	
170	24.1	19.8	29.8	

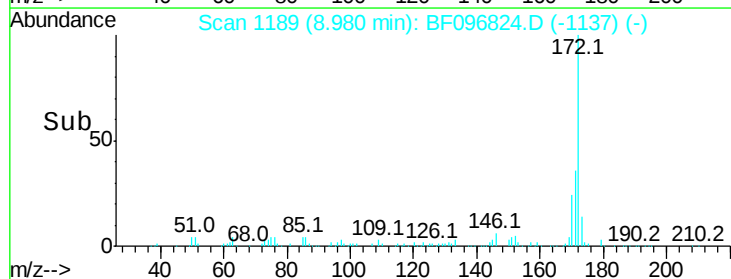
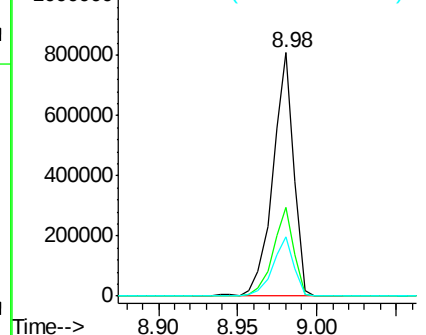


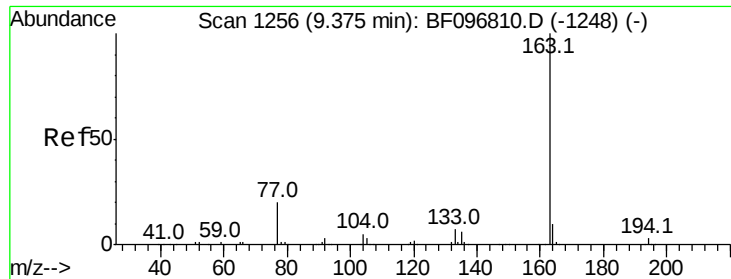
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





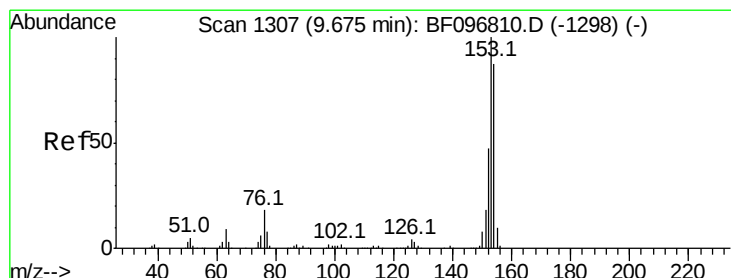
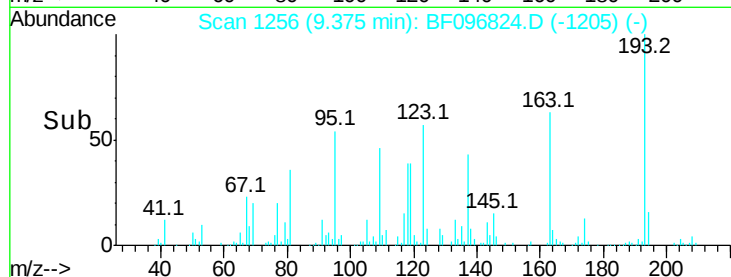
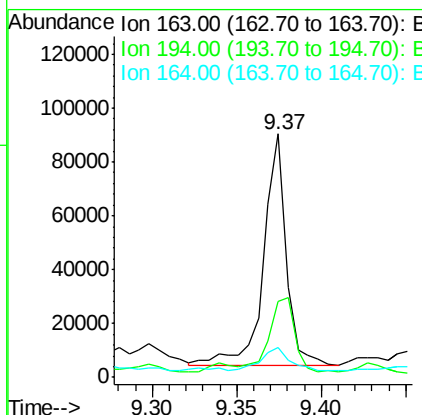
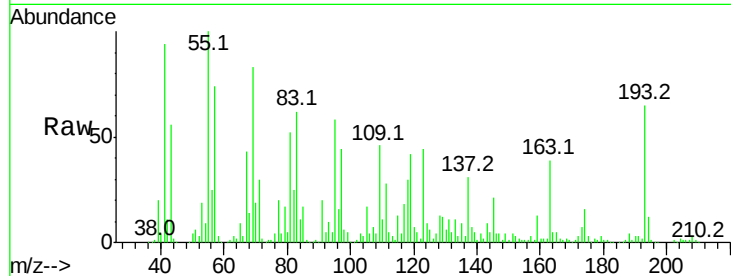
#49
Dimethylphthalate
Concen: 9.357 ng
RT: 9.37 min Scan# 1256
Delta R.T. -0.00 min
Lab File: BF096824.D
Acq: 17 Jul 2017 17:27

Instrument :
BNA_F
ClientSampleId :
DL-SB02A

Tot Ion	Ratio	Lower	Upper
163	100		
194	31.0	2.6	4.0#
164	12.4	8.4	12.6

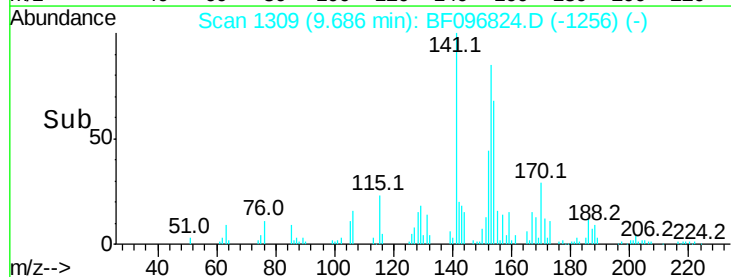
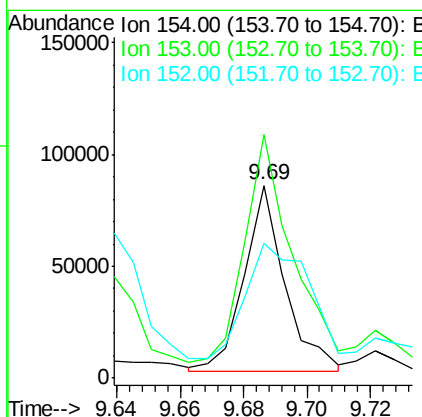
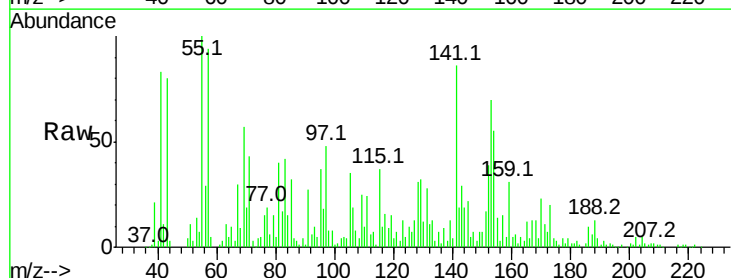
Manual Integrations
APPROVED

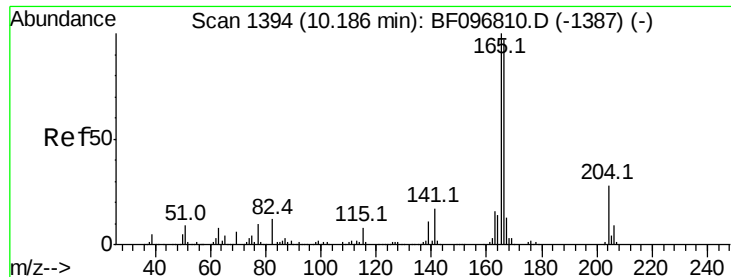
mohammad
7/20/2017 8:38:25 AM



#51
Acenaphthene
Concen: 10.908 ng
RT: 9.69 min Scan# 1309
Delta R.T. 0.01 min
Lab File: BF096824.D
Acq: 17 Jul 2017 17:27

Tgt Ion	Ratio	Lower	Upper
154	100		
153	126.1	90.5	135.7
152	70.1	43.6	65.4#





#57

Fluorene

Concen: 22.314 ng

RT: 10.20 min Scan# 1396

Delta R.T. 0.01 min

Lab File: BF096824.D

Acq: 17 Jul 2017 17:27

Instrument :

BNA_F

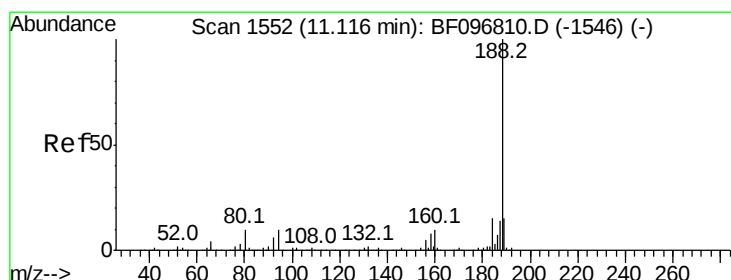
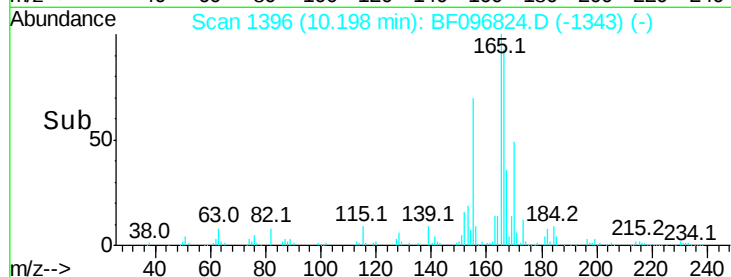
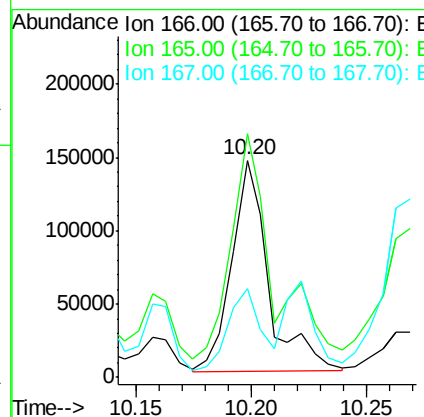
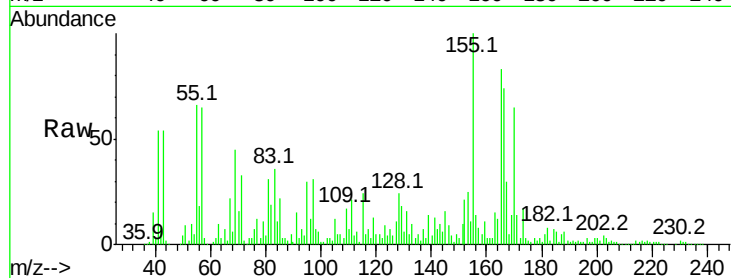
ClientSampleId :

DL-SB02A

Tot Ion	Ratio	Resp	Lower	Upper
166	100	159114		
165	112.0	78.8	118.2	
167	40.7	10.6	16.0	

Manual Integrations
APPROVED

mohammad
7/20/2017 8:38:25 AM



#63

Phenanthrene-d10

Concen: 20.000 ng

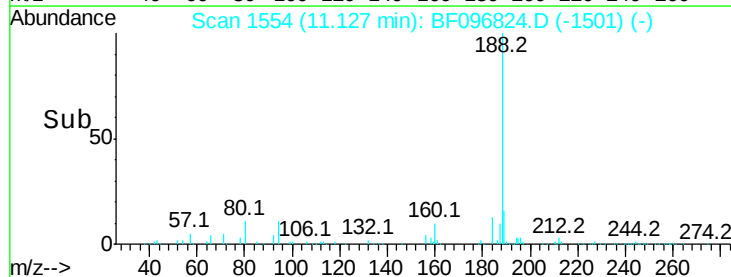
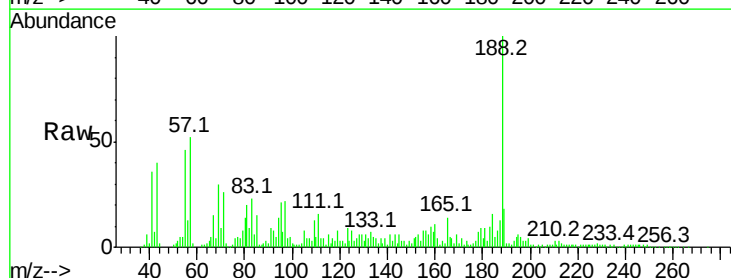
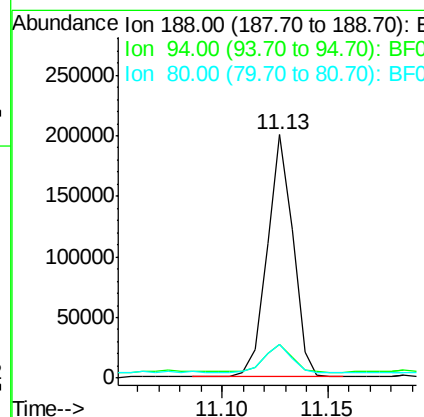
RT: 11.13 min Scan# 1554

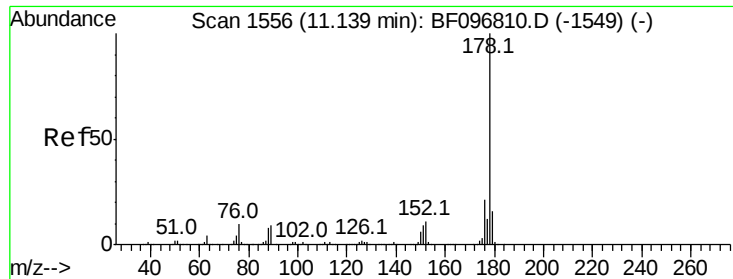
Delta R.T. 0.01 min

Lab File: BF096824.D

Acq: 17 Jul 2017 17:27

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	169535		
94	13.7	9.4	14.2	
80	13.8	10.2	15.2	





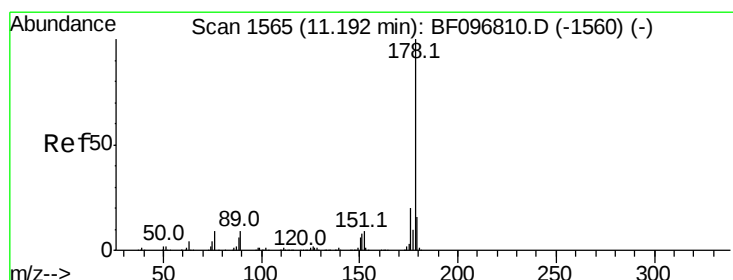
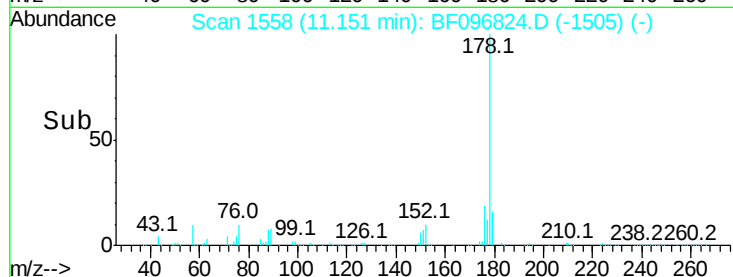
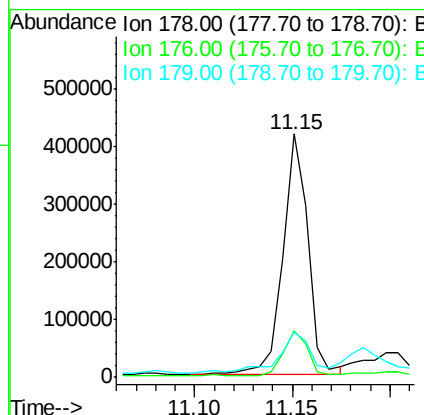
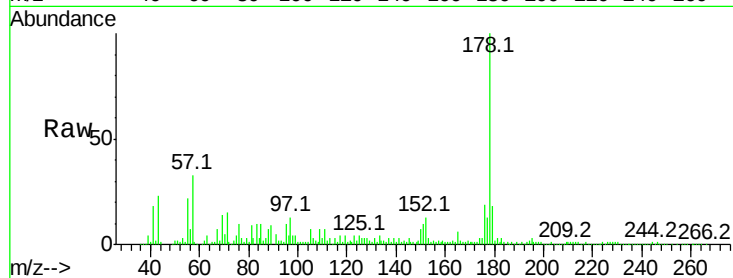
#70
Phenanthrene
Concen: 40.453 ng
RT: 11.15 min Scan# 1558
Delta R.T. 0.01 min
Lab File: BF096824.D
Acq: 17 Jul 2017 17:27

Instrument :
BNA_F
ClientSampleId :
DL-SB02A

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	16.2	24.4
179	18.3	12.6	19.0

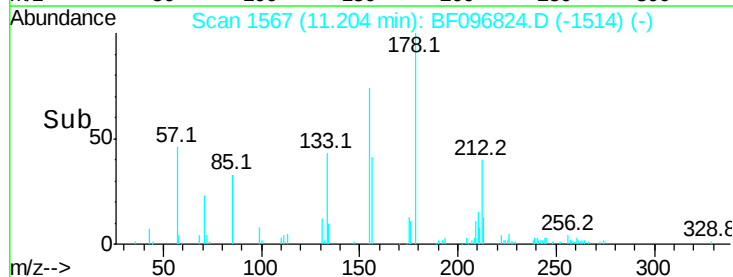
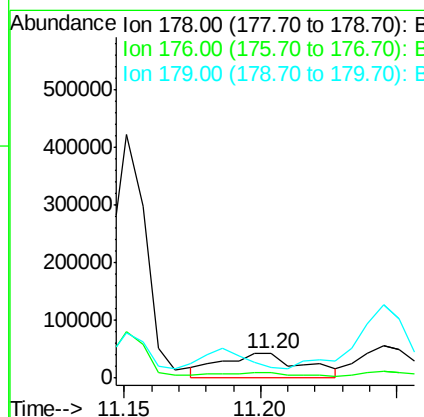
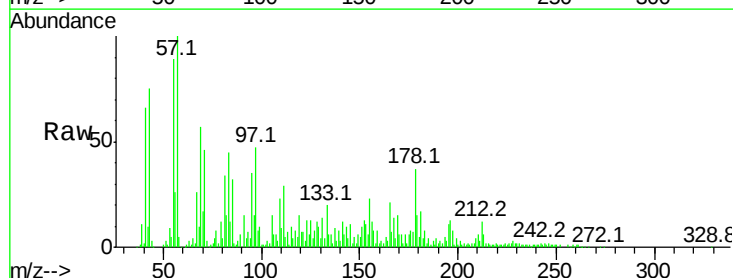
Manual Integrations
APPROVED

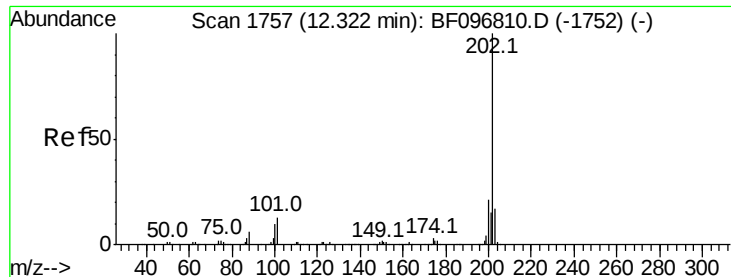
mohammad
7/20/2017 8:38:25 AM



#71
Anthracene
Concen: 9.581 ng m
RT: 11.20 min Scan# 1567
Delta R.T. 0.01 min
Lab File: BF096824.D
Acq: 17 Jul 2017 17:27

Tgt Ion	Ratio	Lower	Upper
178	100		
176	21.2	15.8	23.8
179	40.8	12.7	19.1#





#74

Fluoranthene

Concen: 16.854 ng

RT: 12.33 min Scan# 1758

Delta R.T. 0.01 min

Lab File: BF096824.D

Acq: 17 Jul 2017 17:27

Instrument :

BNA_F

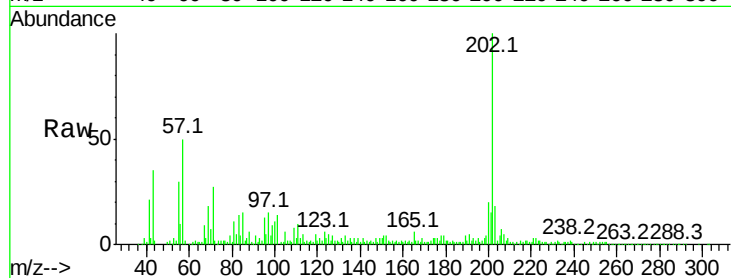
ClientSampled :

DL-SB02A

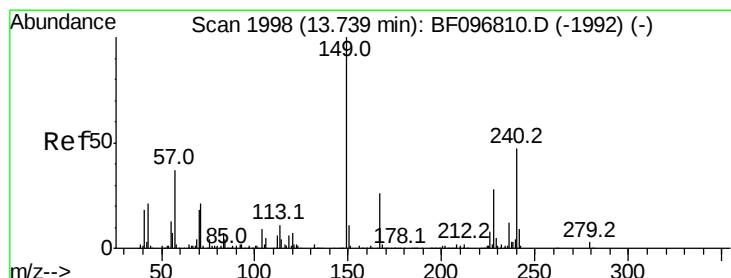
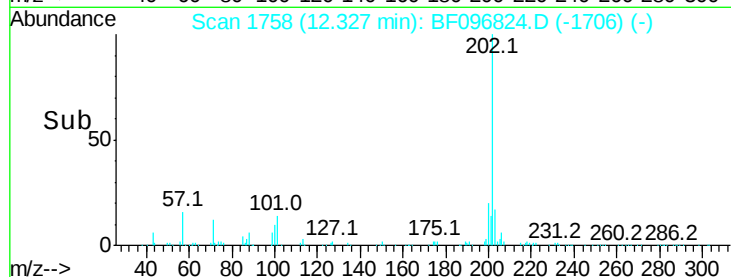
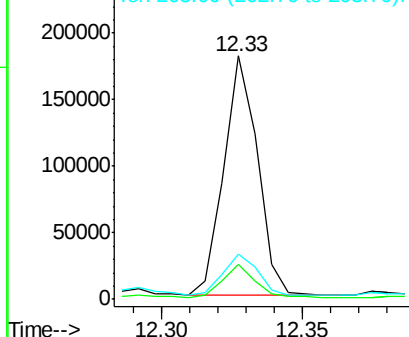
Tot Ion:	202	Resp:	148712
Ion Ratio	Lower	Upper	
202	100		
101	14.4	0.0	33.2
203	18.4	0.0	38.1

Manual Integrations
APPROVED

mohammad
7/20/2017 8:38:25 AM



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



#75

Chrysene-d12

Concen: 20.000 ng

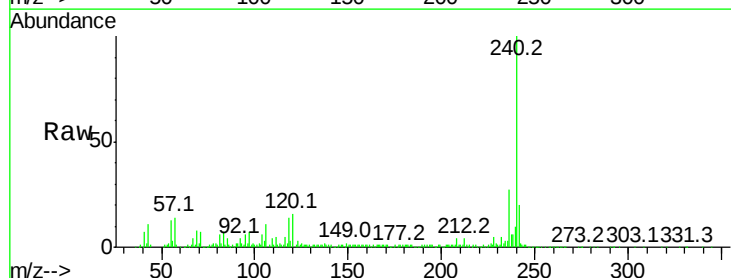
RT: 13.74 min Scan# 1998

Delta R.T. -0.00 min

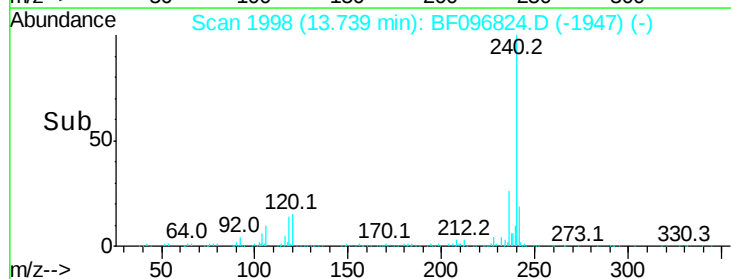
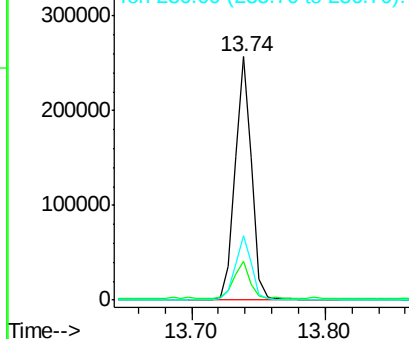
Lab File: BF096824.D

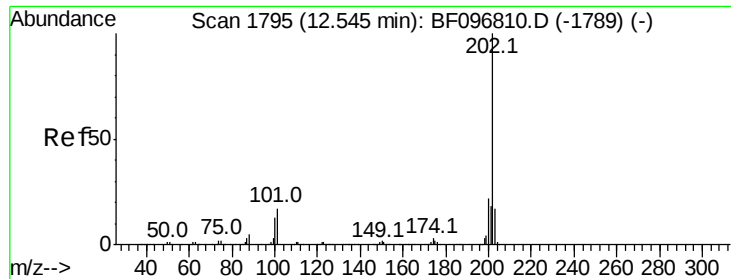
Acq: 17 Jul 2017 17:27

Tgt Ion:	240	Resp:	223830
Ion Ratio	Lower	Upper	
240	100		
120	15.9	5.8	8.8#
236	26.5	20.5	30.7



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





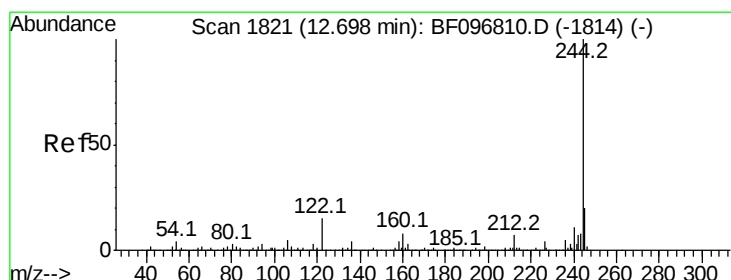
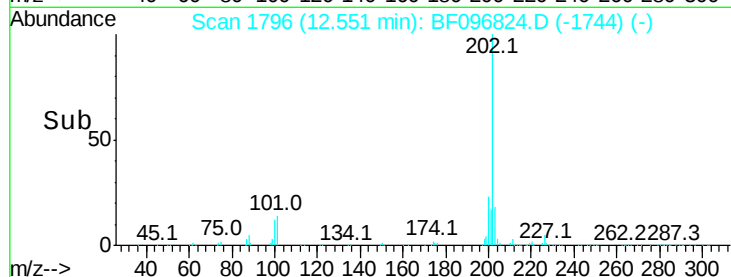
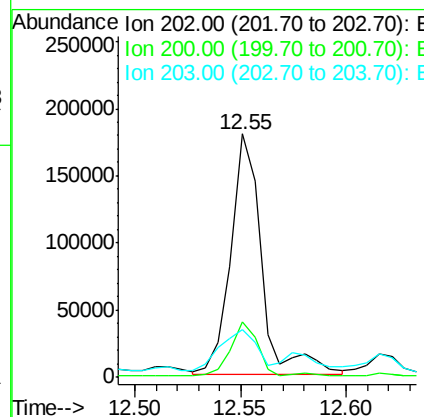
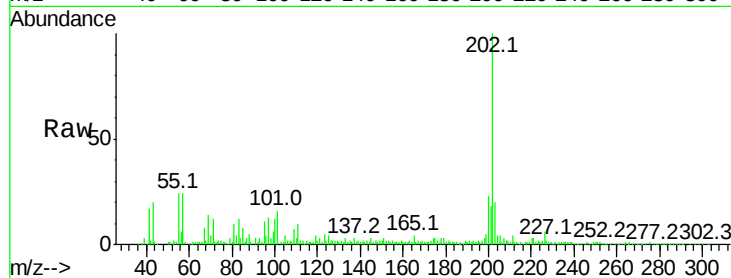
#77
Pvrene
Concen: 8.866 ng
RT: 12.55 min Scan# 1796
Delta R.T. 0.01 min
Lab File: BF096824.D
Acq: 17 Jul 2017 17:27

Instrument :
BNA_F
ClientSampleId :
DL-SB02A

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	22.6	17.6	26.4
203	19.6	14.4	21.6

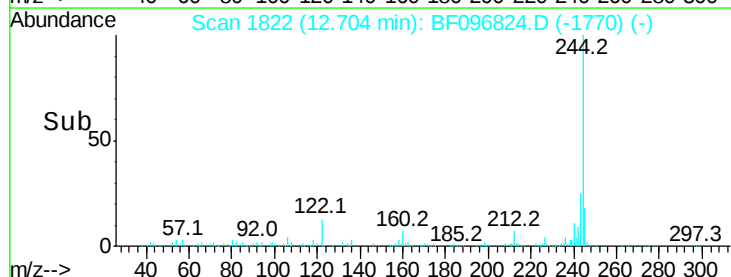
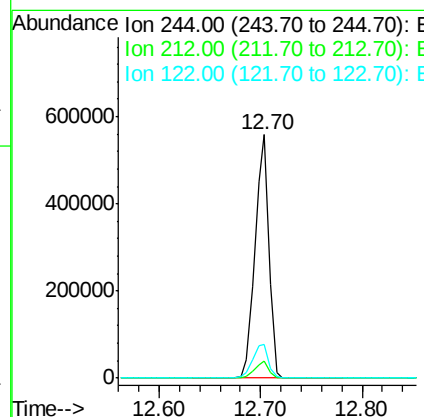
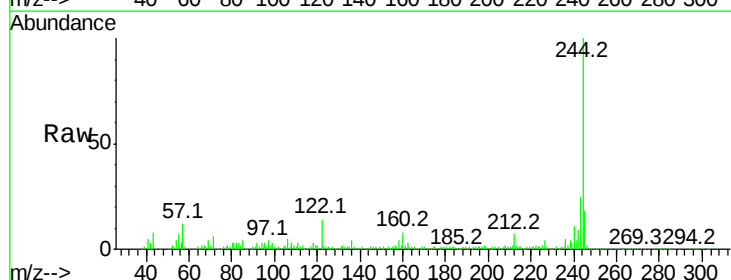
Manual Integrations
APPROVED

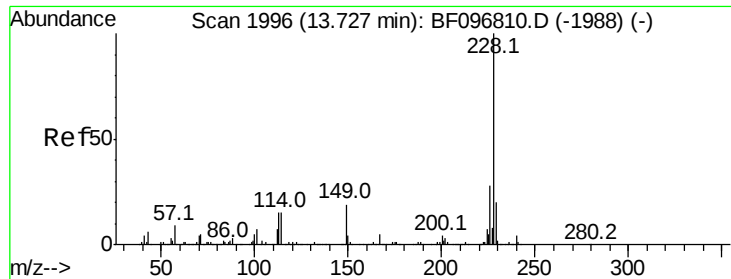
mohammad
7/20/2017 8:38:25 AM



#78
Terphenyl-d14
Concen: 41.226 ng
RT: 12.70 min Scan# 1822
Delta R.T. 0.01 min
Lab File: BF096824.D
Acq: 17 Jul 2017 17:27

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.2	6.0	9.0
122	13.8	10.3	15.5





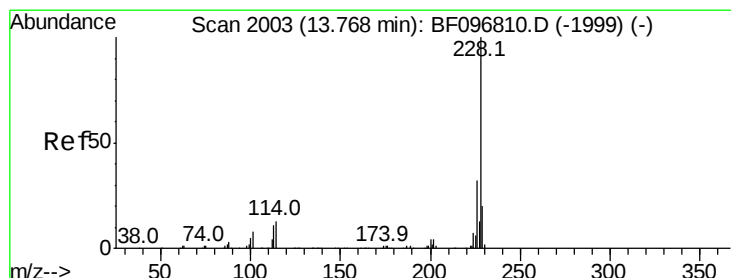
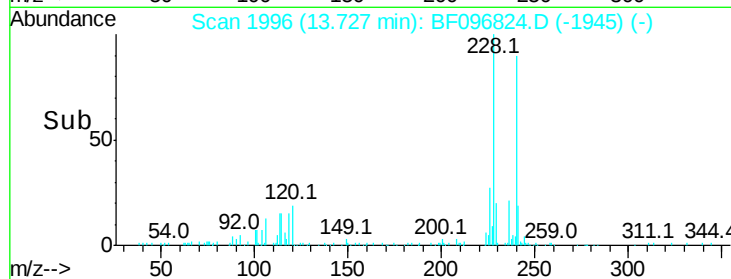
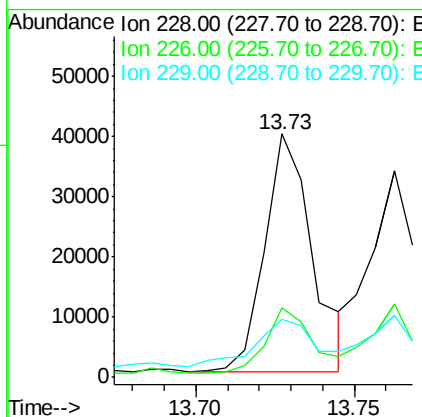
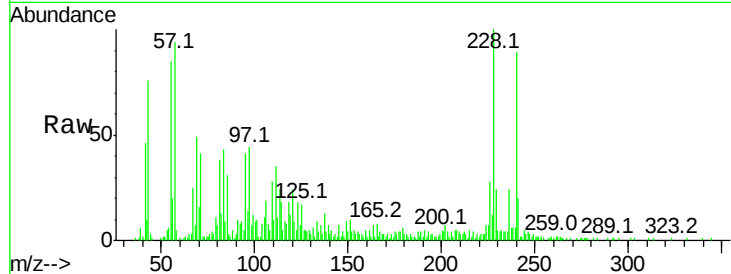
#80
Benzo(a)anthracene
Concen: 2.961 ng
RT: 13.73 min Scan# 1996
Delta R.T. -0.00 min
Lab File: BF096824.D
Acq: 17 Jul 2017 17:27

Instrument :
BNA_F
ClientSampleId :
DL-SB02A

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.6	33.8
229	23.6	16.3	24.5

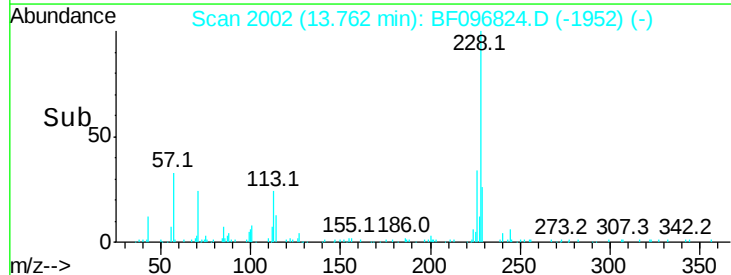
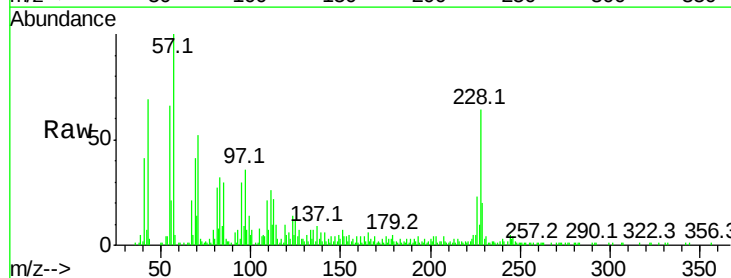
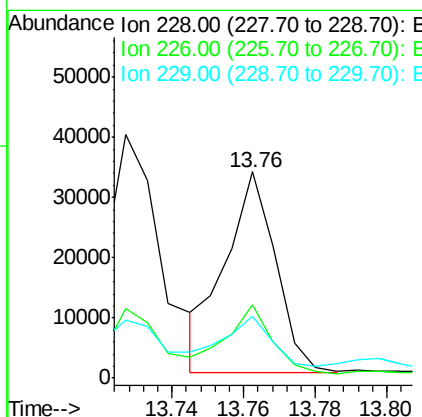
Manual Integrations
APPROVED

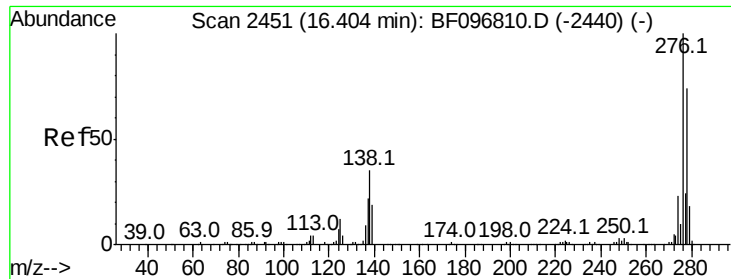
mohammad
7/20/2017 8:38:25 AM



#82
Chrysene
Concen: 2.396 ng m
RT: 13.76 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF096824.D
Acq: 17 Jul 2017 17:27

Tgt Ion	Ratio	Lower	Upper
228	100		
226	35.5	24.9	37.3
229	30.3	15.8	23.6





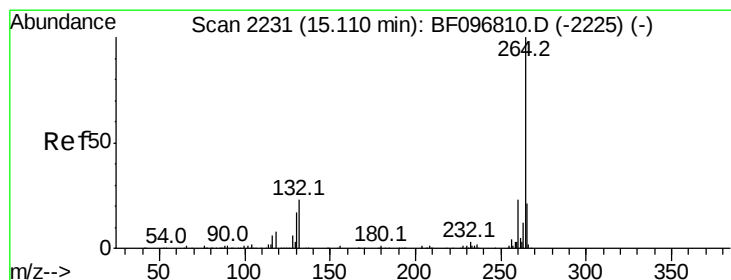
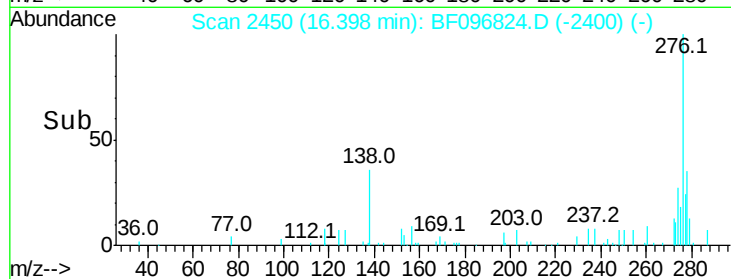
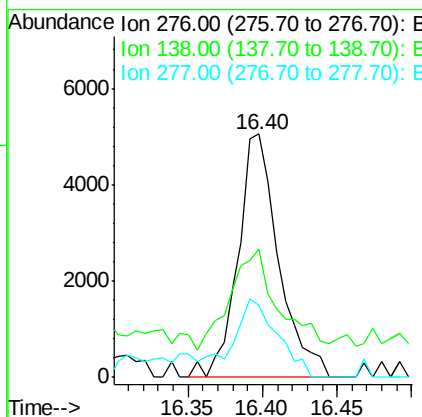
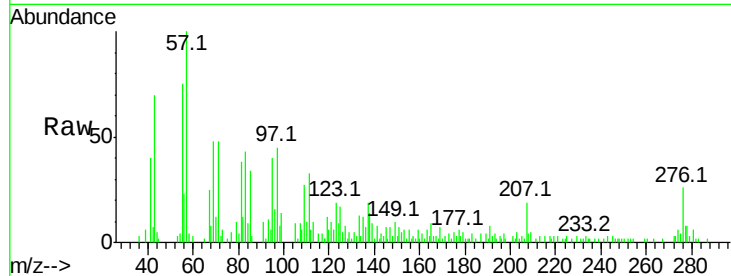
#85
Indeno(1,2,3-cd)pyrene
Concen: 4.053 ng
RT: 16.40 min Scan# 2450
Delta R.T. -0.01 min
Lab File: BF096824.D
Acq: 17 Jul 2017 17:27

Instrument :
BNA_F
ClientSampleId :
DL-SB02A

Tot Ion	Ratio	Lower	Upper
276	100		
138	50.1	27.8	41.6#
277	34.2	20.2	30.4#

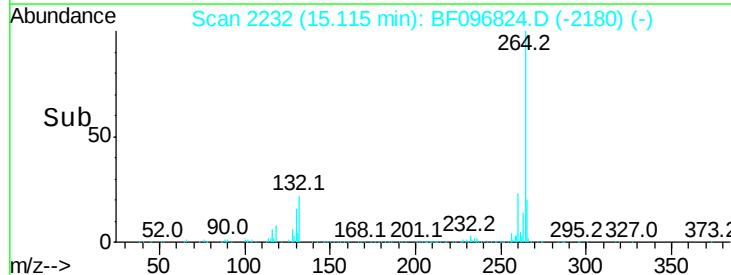
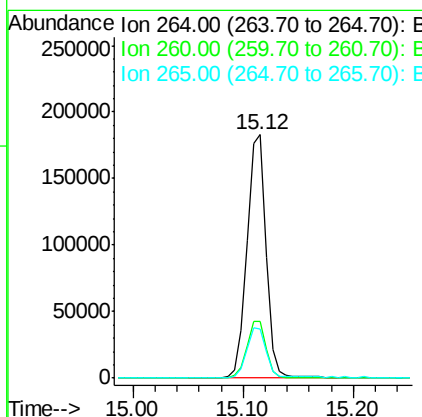
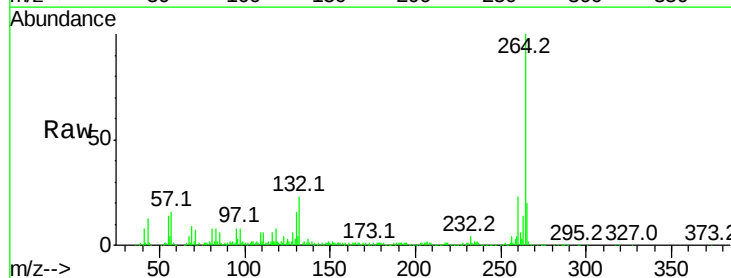
Manual Integrations
APPROVED

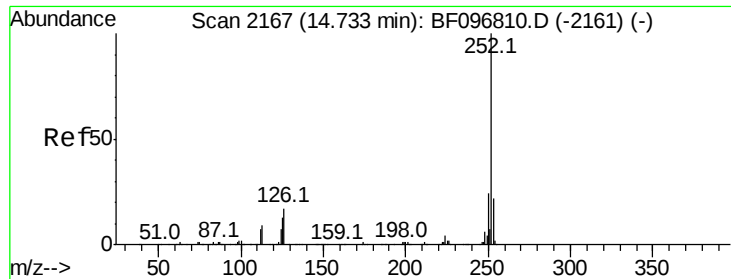
mohammad
7/20/2017 8:38:25 AM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.12 min Scan# 2232
Delta R.T. 0.01 min
Lab File: BF096824.D
Acq: 17 Jul 2017 17:27

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.5	29.3
265	20.1	17.2	25.8





#87
 Benzo(b)fluoranthene
 Concen: 2.326 ng/ml
 RT: 14.73 min Scan# 2167
 Delta R.T. -0.00 min
 Lab File: BF096824.D
 Acq: 17 Jul 2017 17:27

Instrument :
 BNA_F
 ClientSampleId :
 DL-SB02A

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.3	18.1	27.1
125	36.7	9.8	14.8

Manual Integrations
 APPROVED

mohammad
 7/20/2017 8:38:25 AM

