

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021517\
 Data File : BF092966.D
 Acq On : 15 Feb 2017 22:15
 Operator : SJ/MA
 Sample : I1816-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 H-1

Manual Integrations
 APPROVED

mohammad
 2/16/2017 11:37:54 AM

Quant Time: Feb 16 02:32:25 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 13 18:04:38 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	165788	20.00	ng	-0.01
21) Naphthalene-d8	8.16	136	664854	20.00	ng	-0.01
38) Acenaphthene-d10	9.90	164	361210	20.00	ng	-0.02
63) Phenanthrene-d10	11.39	188	581466	20.00	ng	-0.01
75) Chrysene-d12	14.02	240	378558	20.00	ng	-0.03
86) Perylene-d12	15.46	264	329230	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	1492269	154.42	ng	0.00
7) Phenol-d6	6.52	99	2001998	161.01	ng	-0.01
23) Nitrobenzene-d5	7.45	82	1267775	106.19	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	393018	150.44	ng	-0.01
44) 2-Fluorobiphenyl	9.24	172	1971455	98.88	ng	0.00
78) Terphenyl-d14	12.98	244	1495458	92.82	ng	-0.01
Target Compounds						
10) Phenol	6.53	94	32952	2.27	ng	Qvalue # 60
49) Dimethylphthalate	9.63	163	207666	8.54	ng	100
74) Fluoranthene	12.60	202	153487	4.47	ng	92
77) Pyrene	12.83	202	122031	4.31	ng	97
80) Benzo(a)anthracene	14.01	228	48837	2.11	ng	99
82) Chrysene	14.04	228	44116	2.04	ng	96
87) Benzo(b)fluoranthene	15.05	252	58193m	2.69	ng	

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

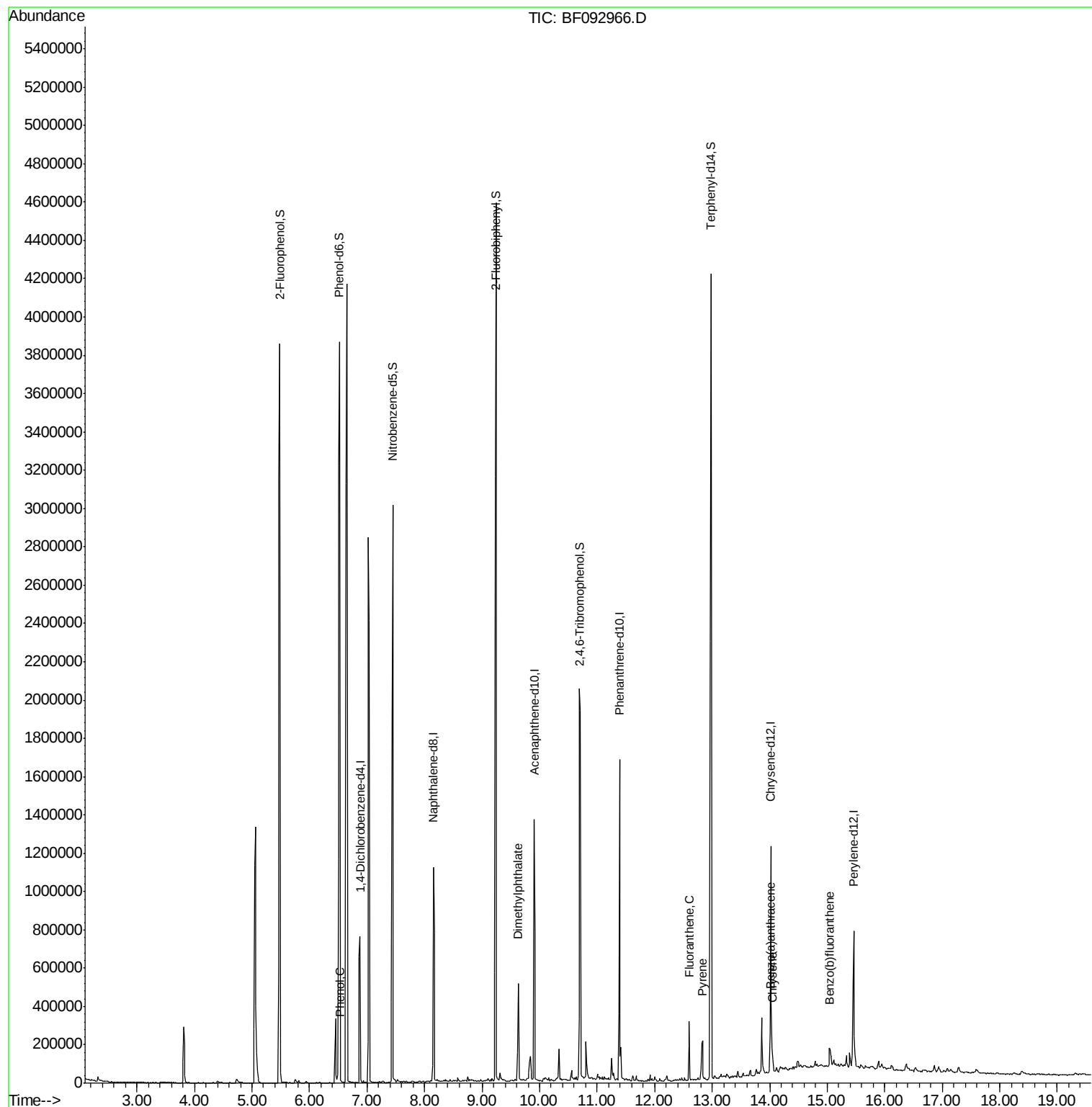
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021517\
Data File : BF092966.D
Acq On : 15 Feb 2017 22:15
Operator : SJ/MA
Sample : I1816-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
H-1

Manual Integrations
APPROVED

mohammad
2/16/2017 11:37:54 AM

Quant Time: Feb 16 02:32:25 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 13 18:04:38 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.88 min Scan# 419

Delta R.T. -0.01 min

Lab File: BF092966.D

Acq: 15 Feb 2017 22:15

Instrument :

BNA_F

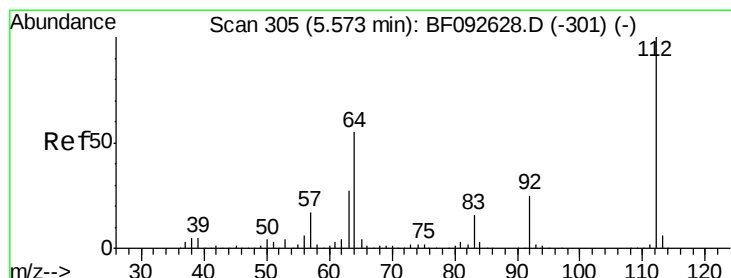
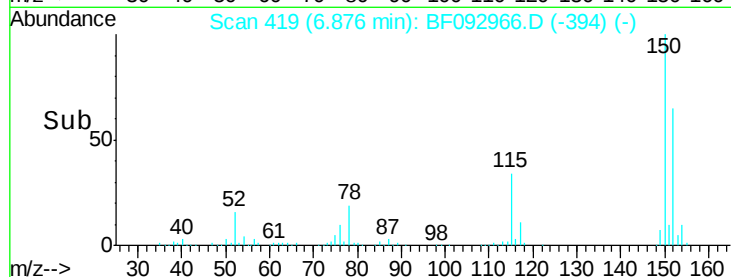
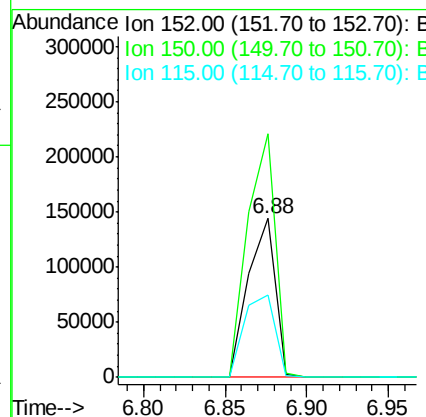
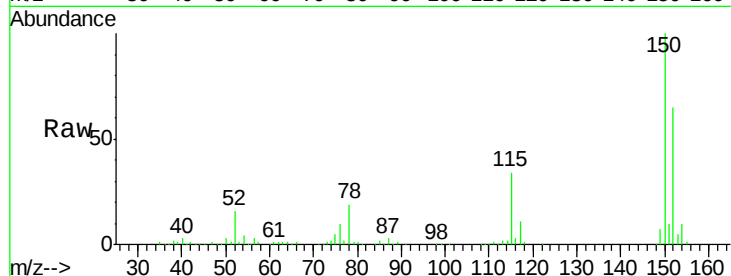
ClientSampled :

H-1

Tgt Ion:	152	Resp:	165788
Ion Ratio	Lower	Upper	
152	100		
150	153.4	124.9	187.3
115	52.2	46.0	69.0

Manual Integrations
APPROVED

mohammad
2/16/2017 11:37:54 AM



#5

2-Fluorophenol

Concen: 154.42 ng

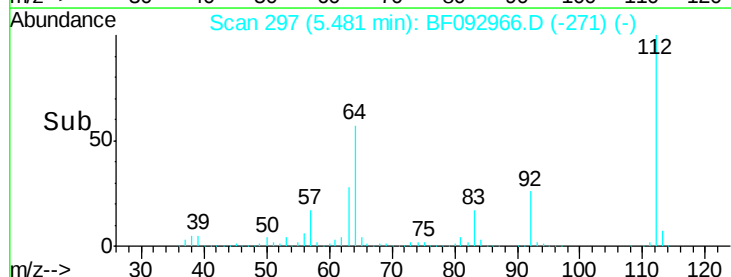
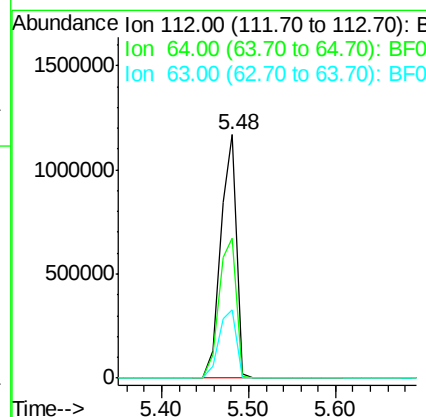
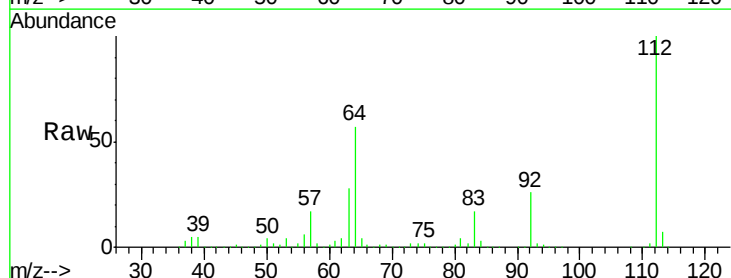
RT: 5.48 min Scan# 297

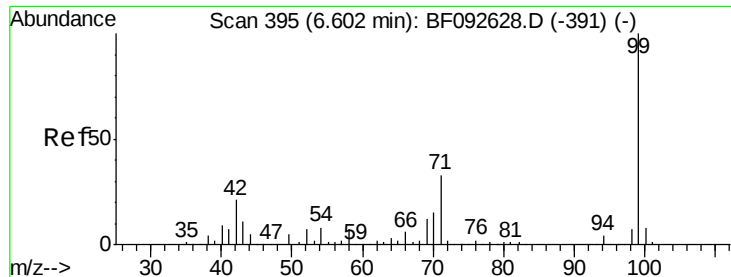
Delta R.T. 0.00 min

Lab File: BF092966.D

Acq: 15 Feb 2017 22:15

Tgt Ion:	112	Resp:	1492269
Ion Ratio	Lower	Upper	
112	100		
64	57.5	46.1	69.1
63	28.2	23.8	35.6





#7

Phenol-d6

Concen: 161.01 ng

RT: 6.52 min Scan# 388

Delta R.T. -0.01 min

Lab File: BF092966.D

Acq: 15 Feb 2017 22:15

Instrument :

BNA_F

ClientSampleId :

H-1

Tgt Ion: 99 Resp: 2001998

Ion Ratio Lower Upper

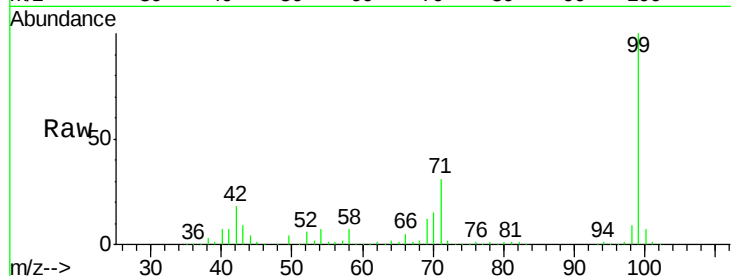
99 100

42 17.7 15.6 23.4

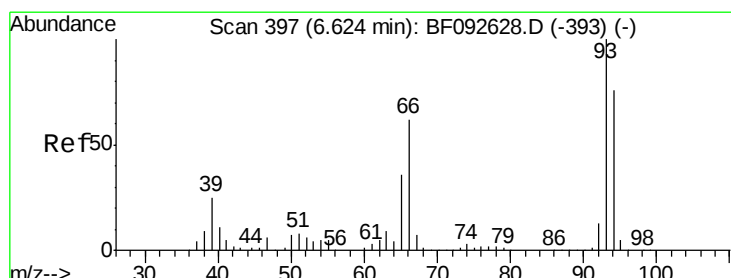
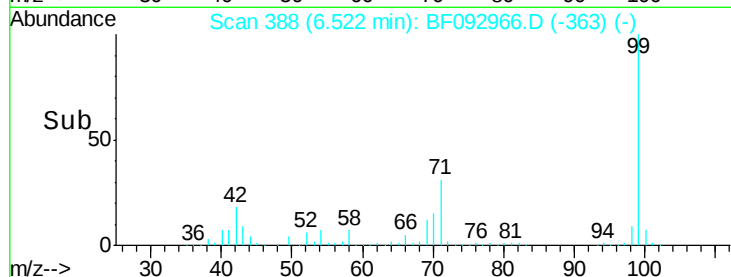
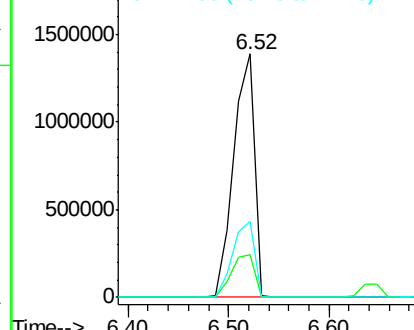
71 31.2 27.5 41.3

Manual Integrations
APPROVED

mohammad
2/16/2017 11:37:54 AM



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



#10

Phenol

Concen: 2.27 ng

RT: 6.53 min Scan# 389

Delta R.T. -0.01 min

Lab File: BF092966.D

Acq: 15 Feb 2017 22:15

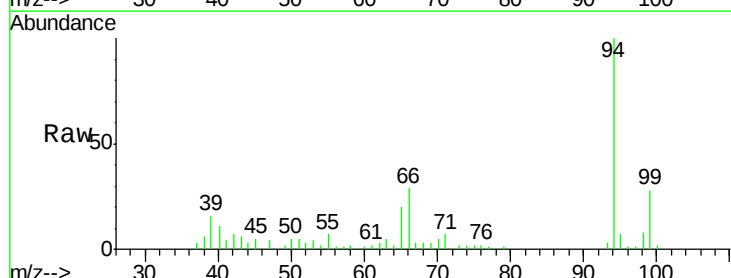
Tgt Ion: 94 Resp: 32952

Ion Ratio Lower Upper

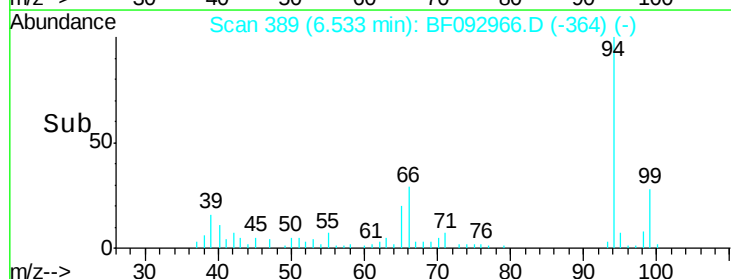
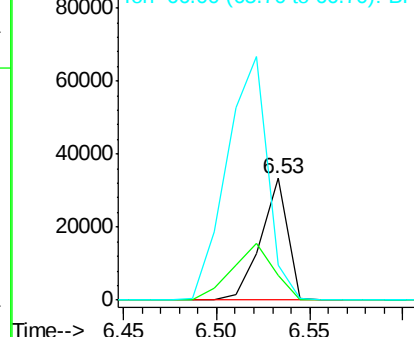
94 100

65 20.3 21.4 61.4#

66 28.9 44.0 84.0#



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0





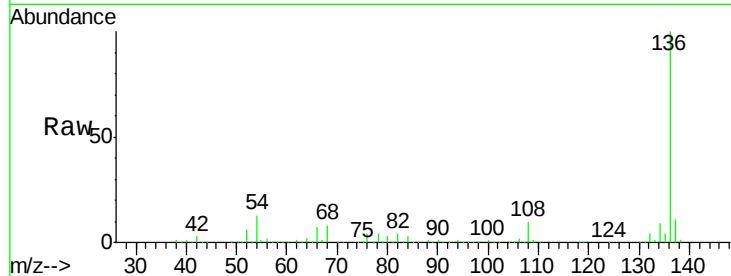
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.16 min Scan# 531
Delta R.T. -0.01 min
Lab File: BF092966.D
Acq: 15 Feb 2017 22:15

Instrument :
BNA_F
ClientSampleId :
H-1

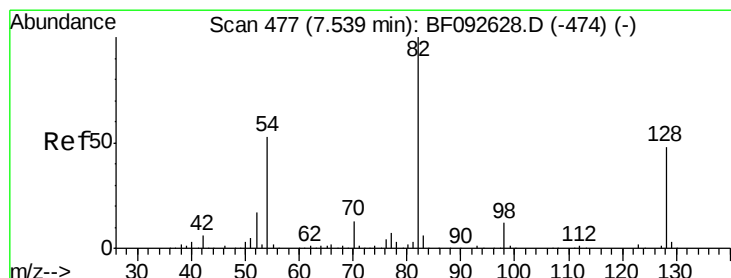
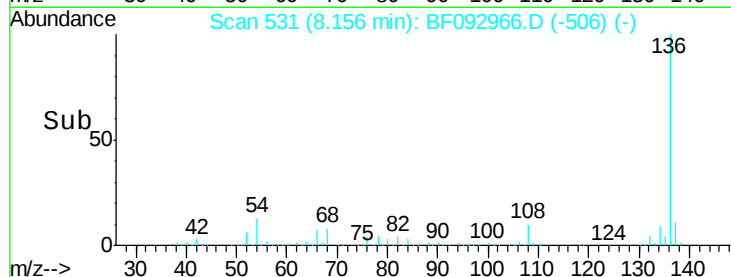
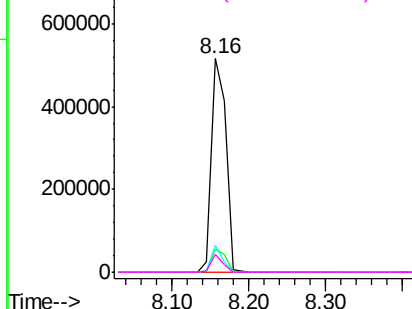
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		664854		
137	11.1	8.4	12.6		
54	12.6	4.5	6.7#		
68	8.2	3.6	5.4#		

Manual Integrations
APPROVED

mohammad
2/16/2017 11:37:54 AM

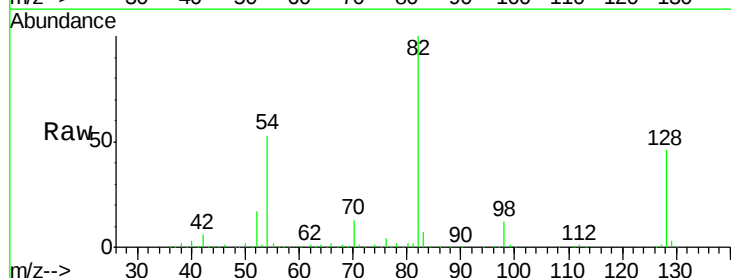


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

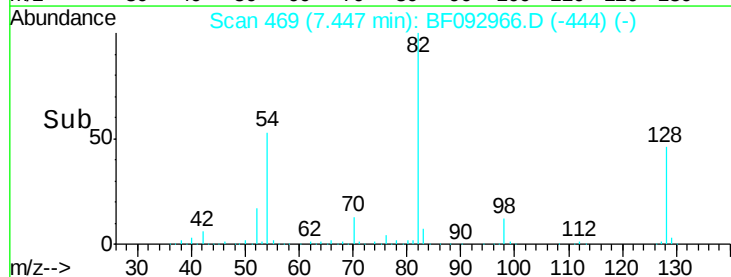
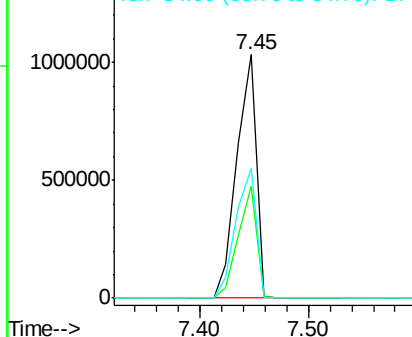


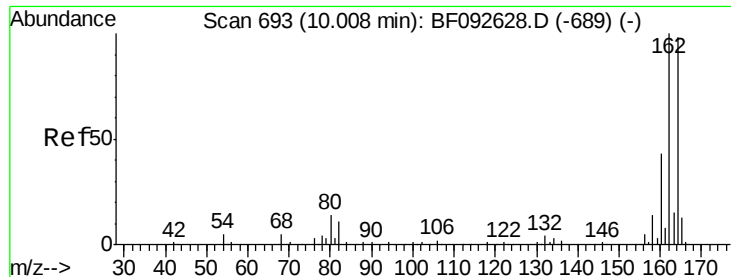
#23
Nitrobenzene-d5
Concen: 106.19 ng
RT: 7.45 min Scan# 469
Delta R.T. -0.01 min
Lab File: BF092966.D
Acq: 15 Feb 2017 22:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		1267775		
128	45.7	34.6	52.0		
54	53.5	39.5	59.3		



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





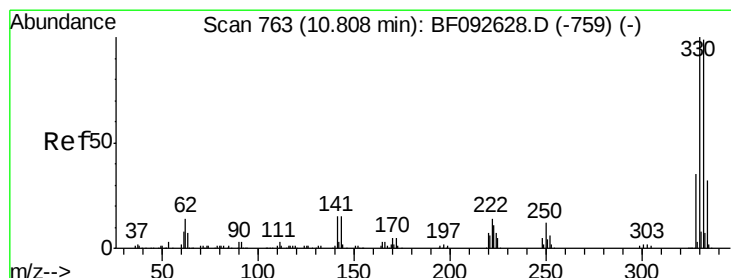
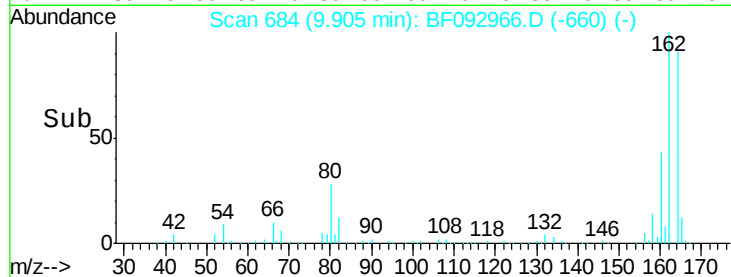
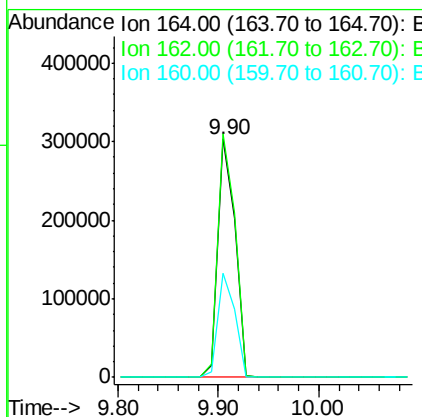
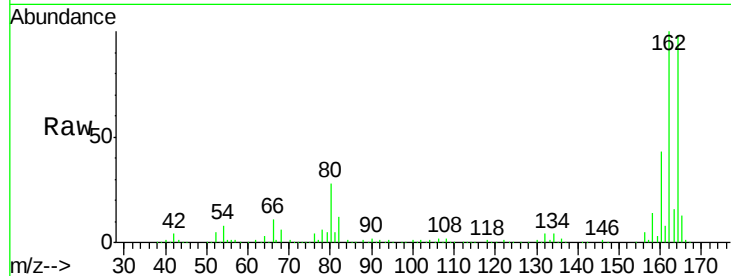
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.90 min Scan# 684
Delta R.T. -0.02 min
Lab File: BF092966.D
Acq: 15 Feb 2017 22:15

Instrument :
BNA_F
ClientSampleId :
H-1

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	361210		
162	102.3	80.2	120.2	
160	43.8	36.9	55.3	

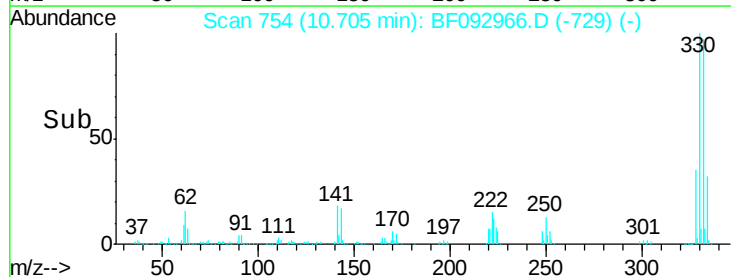
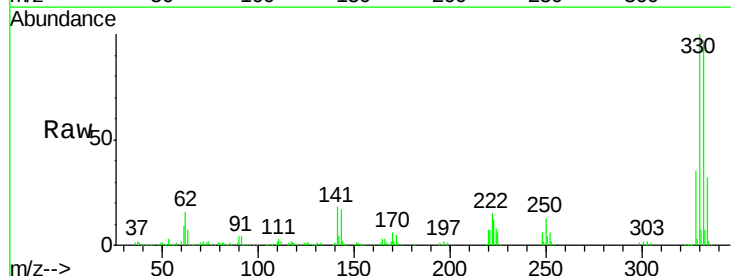
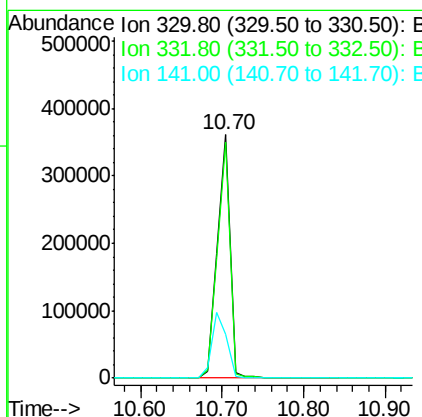
Manual Integrations
APPROVED

mohammad
2/16/2017 11:37:54 AM



#41
2,4,6-Tribromophenol
Concen: 150.44 ng
RT: 10.70 min Scan# 754
Delta R.T. -0.01 min
Lab File: BF092966.D
Acq: 15 Feb 2017 22:15

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	393018		
332	96.7	77.4	116.2	
141	31.6	34.1	51.1#	





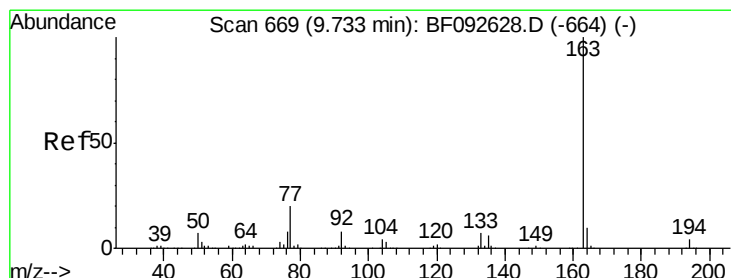
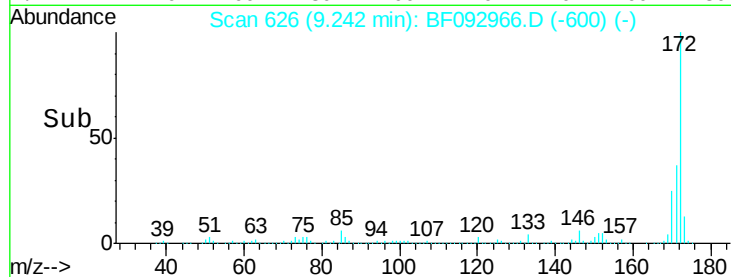
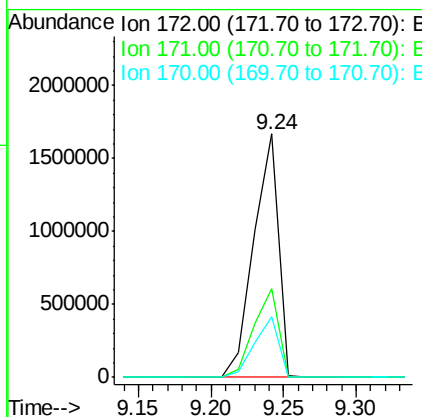
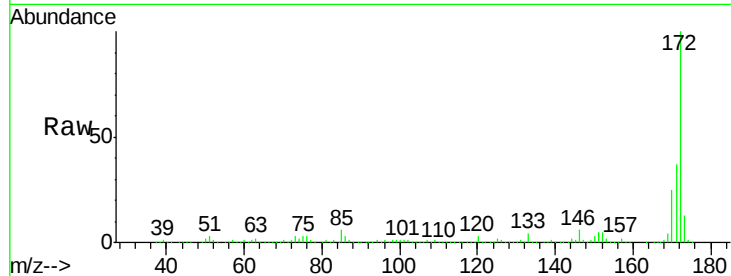
#44
2-Fluorobiphenyl
Concen: 98.88 ng
RT: 9.24 min Scan# 626
Delta R.T. 0.00 min
Lab File: BF092966.D
Acq: 15 Feb 2017 22:15

Instrument :
BNA_F
ClientSampleId :
H-1

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.4	44.0
170	24.6	20.2	30.4

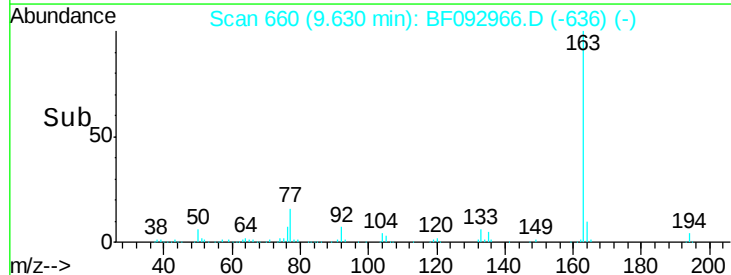
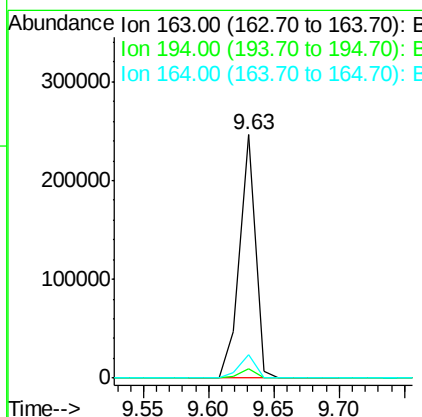
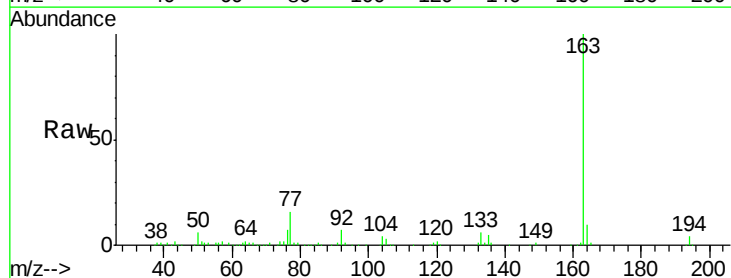
Manual Integrations
APPROVED

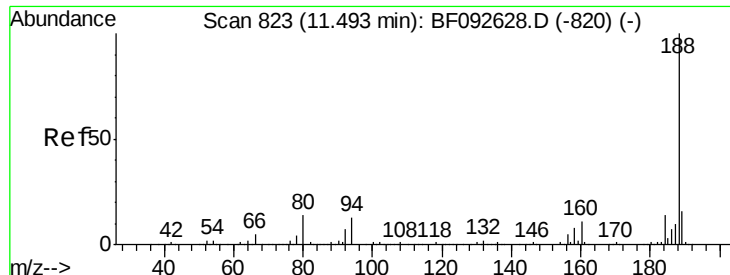
mohammad
2/16/2017 11:37:54 AM



#49
Dimethylphthalate
Concen: 8.54 ng
RT: 9.63 min Scan# 660
Delta R.T. -0.02 min
Lab File: BF092966.D
Acq: 15 Feb 2017 22:15

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.0	4.4
164	9.8	8.0	12.0





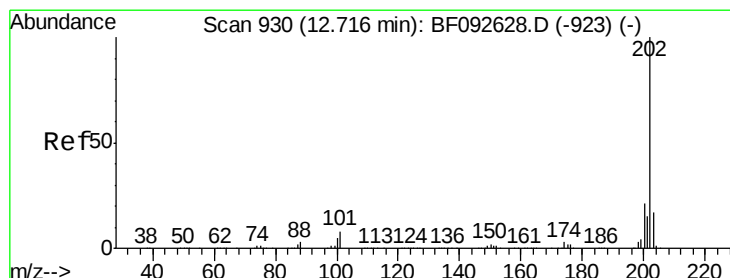
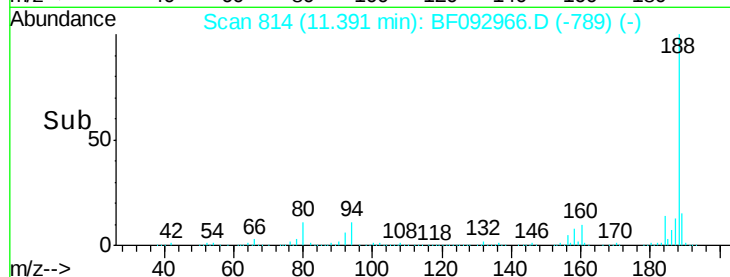
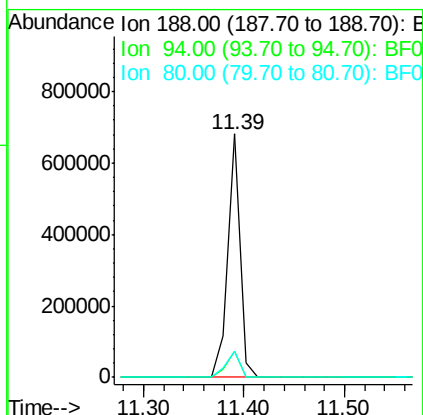
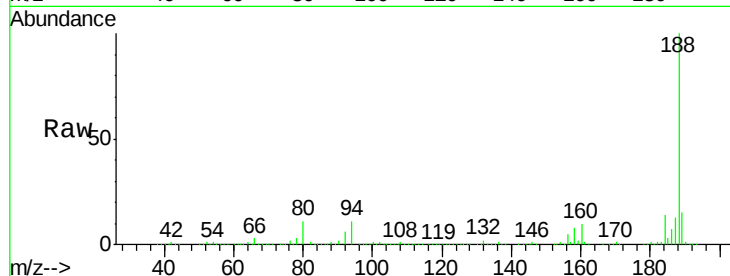
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.39 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF092966.D
Acq: 15 Feb 2017 22:15

Instrument :
BNA_F
ClientSampleId :
H-1

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	10.8	10.0	15.0
80	10.9	11.2	16.8#

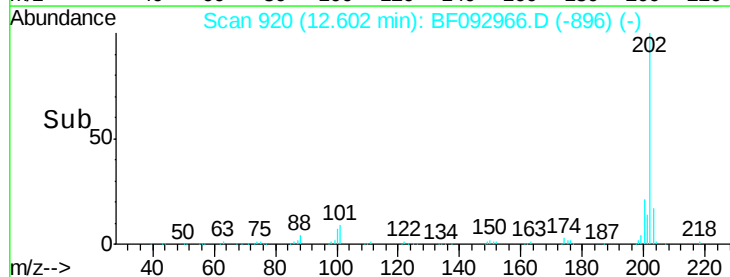
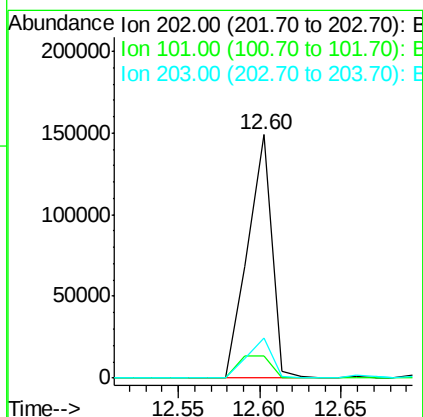
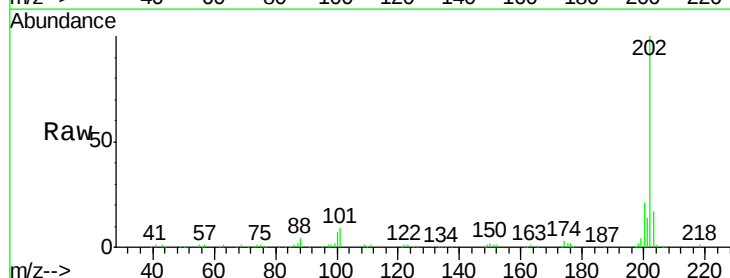
Manual Integrations
APPROVED

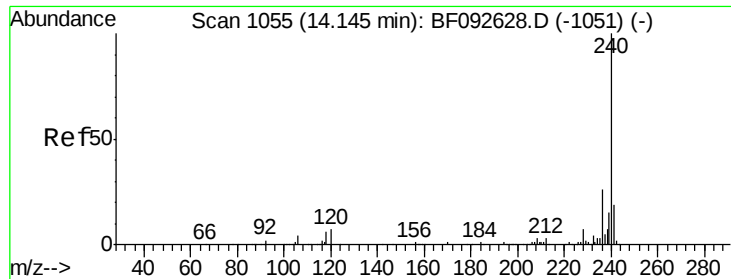
mohammad
2/16/2017 11:37:54 AM



#74
Fluoranthene
Concen: 4.47 ng
RT: 12.60 min Scan# 920
Delta R.T. -0.02 min
Lab File: BF092966.D
Acq: 15 Feb 2017 22:15

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	9.0	0.0	34.6
203	16.7	0.0	38.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.02 min Scan# 1044

Delta R.T. -0.03 min

Lab File: BF092966.D

Acq: 15 Feb 2017 22:15

Instrument :

BNA_F

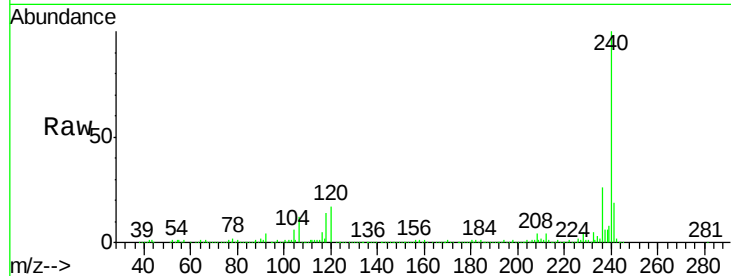
ClientSampled :

H-1

Tgt Ion:	240	Resp:	378558
Ion Ratio	Lower	Upper	
240	100		
120	16.9	12.9	19.3
236	26.3	20.9	31.3

Manual Integrations
APPROVED

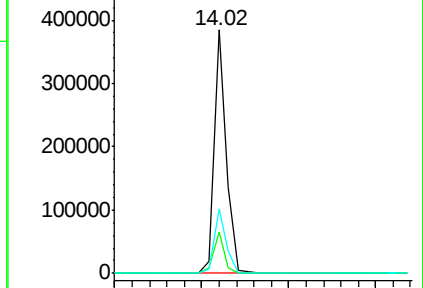
mohammad
2/16/2017 11:37:54 AM



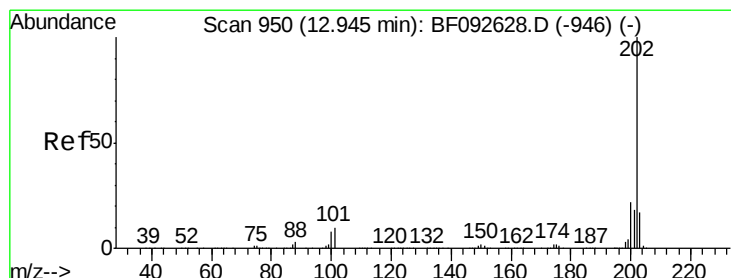
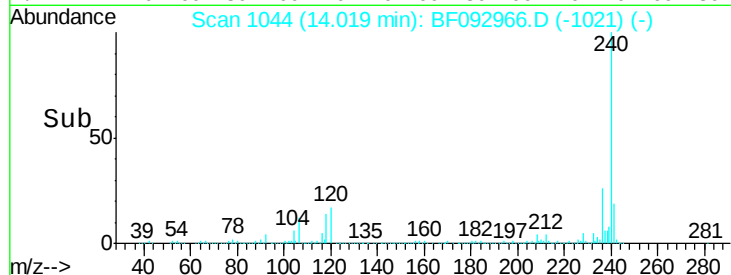
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time--> 13.90 14.00 14.10 14.20



#77

Pyrene

Concen: 4.31 ng

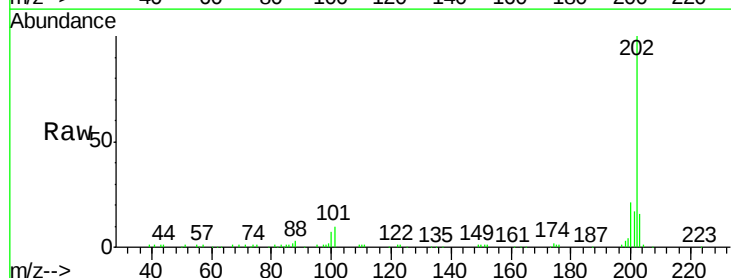
RT: 12.83 min Scan# 940

Delta R.T. -0.02 min

Lab File: BF092966.D

Acq: 15 Feb 2017 22:15

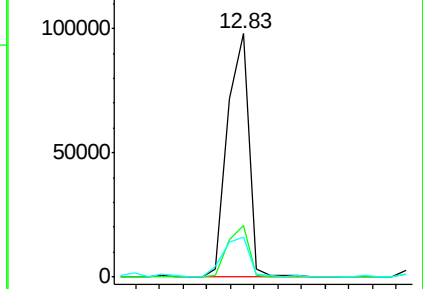
Tgt Ion:	202	Resp:	122031
Ion Ratio	Lower	Upper	
202	100		
200	21.1	17.7	26.5
203	16.3	14.7	22.1



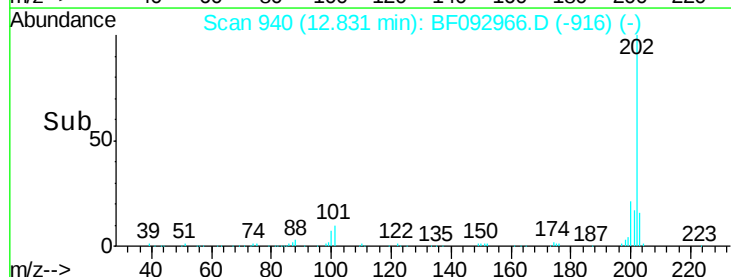
Abundance Ion 202.00 (201.70 to 202.70): E

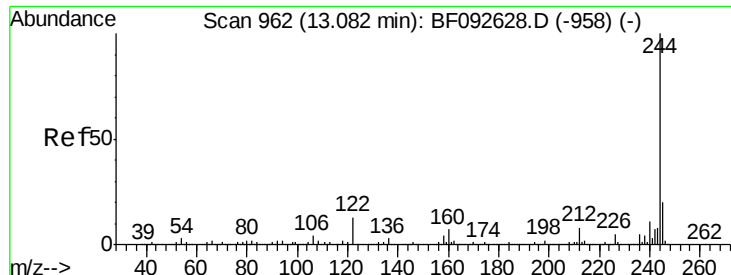
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time--> 12.80 12.90





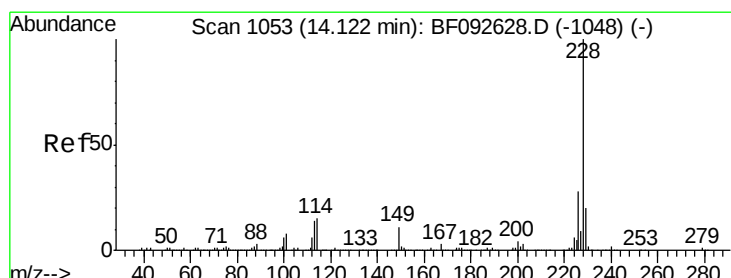
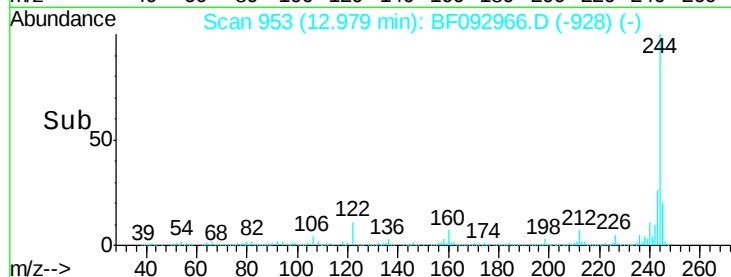
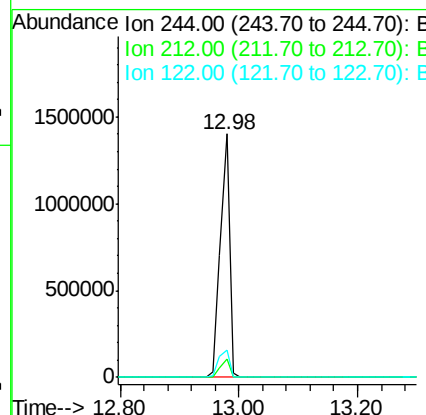
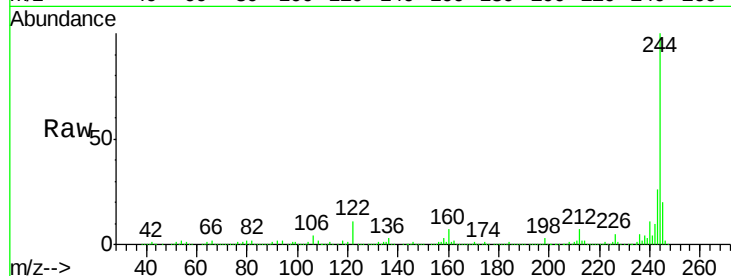
#78
 Terphenyl-d14
 Concen: 92.82 ng
 RT: 12.98 min Scan# 953
 Delta R.T. -0.01 min
 Lab File: BF092966.D
 Acq: 15 Feb 2017 22:15

Instrument :
 BNA_F
 ClientSampleId :
 H-1

Tgt Ion:244 Resp: 1495458
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.2 9.2
 122 11.3 11.4 17.2#

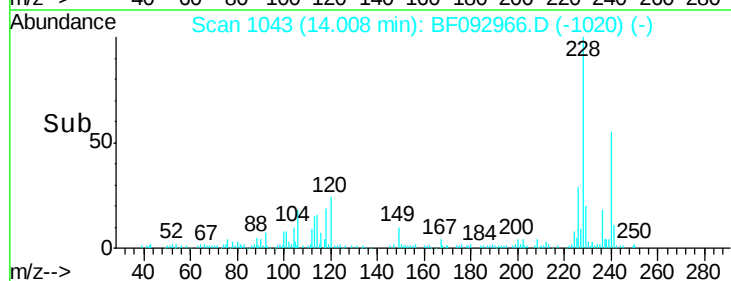
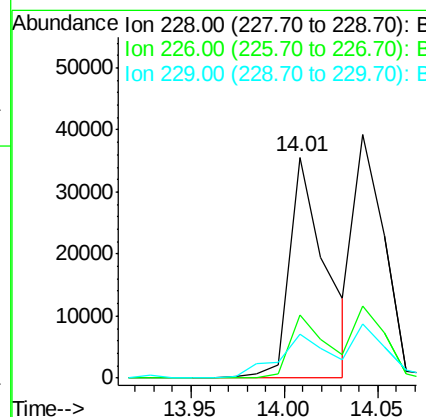
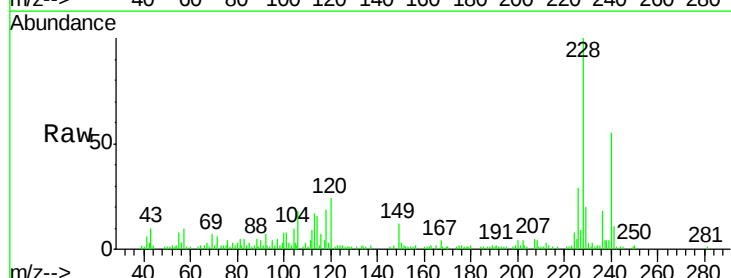
Manual Integrations
 APPROVED

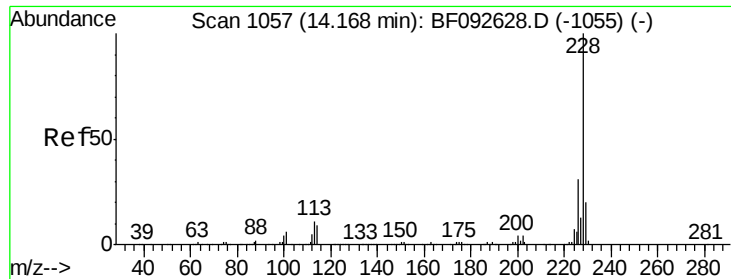
mohammad
 2/16/2017 11:37:54 AM



#80
 Benzo(a)anthracene
 Concen: 2.11 ng
 RT: 14.01 min Scan# 1043
 Delta R.T. -0.03 min
 Lab File: BF092966.D
 Acq: 15 Feb 2017 22:15

Tgt Ion:228 Resp: 48837
 Ion Ratio Lower Upper
 228 100
 226 28.8 22.4 33.6
 229 20.0 16.2 24.4





#82

Chrysene

Concen: 2.04 ng

RT: 14.04 min Scan# 1046

Delta R.T. -0.03 min

Lab File: BF092966.D

Acq: 15 Feb 2017 22:15

Instrument :

BNA_F

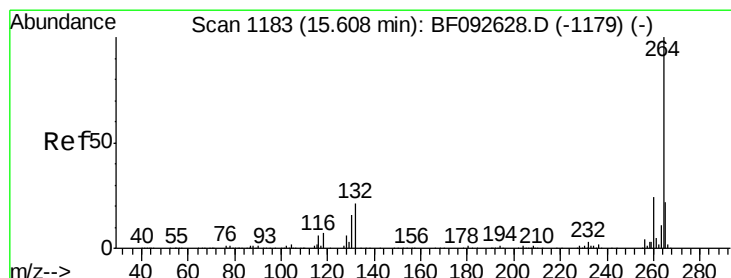
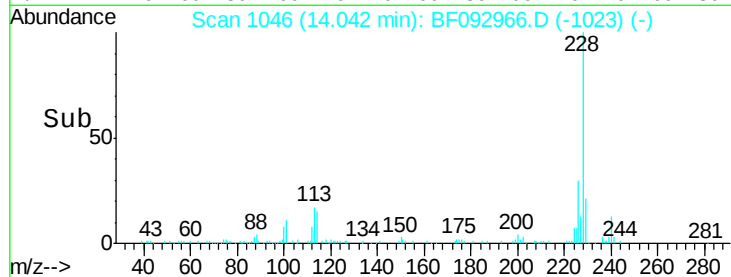
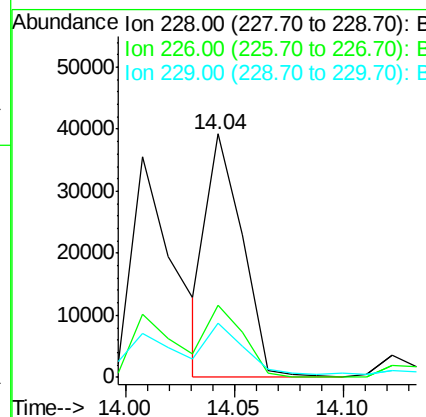
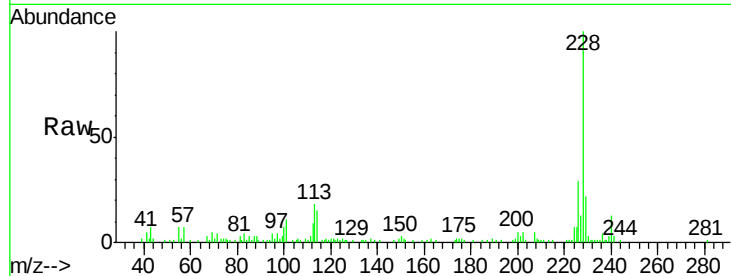
ClientSampled :

H-1

Tgt Ion:	228	Resp:	44116
Ion Ratio	Lower	Upper	
228	100		
226	29.4	25.4	38.0
229	22.2	16.2	24.2

Manual Integrations
APPROVED

mohammad
2/16/2017 11:37:54 AM



#86

Perylene-d12

Concen: 20.00 ng

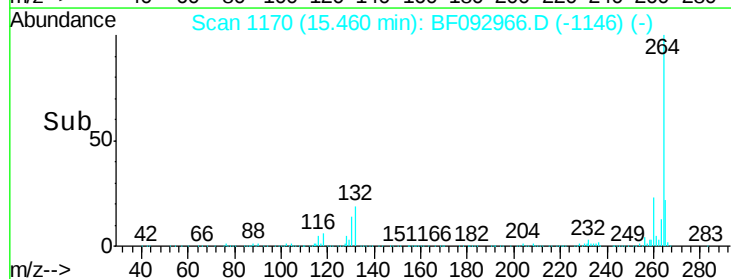
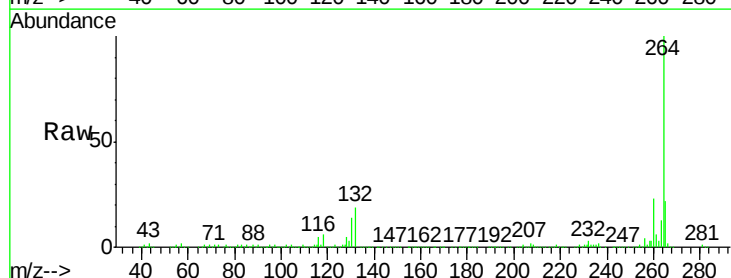
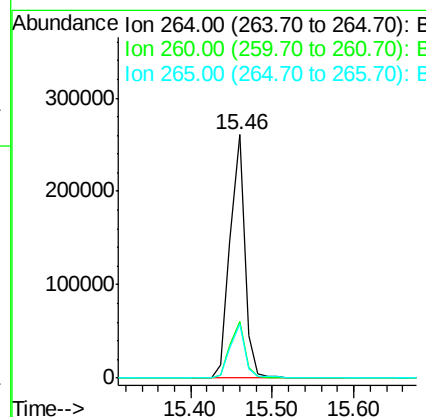
RT: 15.46 min Scan# 1170

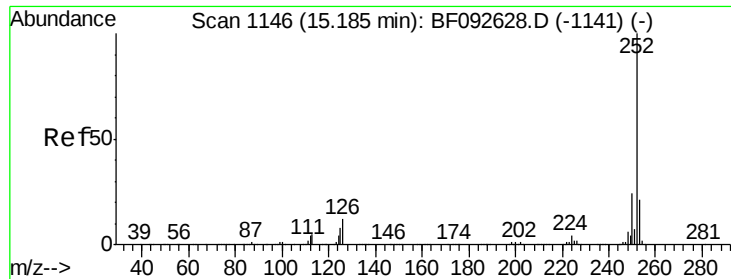
Delta R.T. -0.02 min

Lab File: BF092966.D

Acq: 15 Feb 2017 22:15

Tgt Ion:	264	Resp:	329230
Ion Ratio	Lower	Upper	
264	100		
260	23.5	19.2	28.8
265	22.1	17.4	26.0





#87
 Benzo(b)fluoranthene
 Concen: 2.69 ng m
 RT: 15.05 min Scan# 1134
 Delta R.T. -0.02 min
 Lab File: BF092966.D
 Acq: 15 Feb 2017 22:15

Instrument :
 BNA_F
 ClientSampleId :
 H-1

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.2	27.4
125	15.0	9.8	14.6

Manual Integrations
 APPROVED

mohammad
 2/16/2017 11:37:54 AM

