

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032415\
 Data File : BF077938.D
 Acq On : 25 Mar 2015 6:00
 Operator : TP/IZ
 Sample : G1615-04
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-16-2

Manual Integrations
 APPROVED

mohammad
 3/25/2015 5:01:27 PM

Quant Time: Mar 25 07:16:32 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 25 04:36:48 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.12	152	45545	20.00	ng	0.00
21) Naphthalene-d8	8.69	136	188744	20.00	ng	0.00
38) Acenaphthene-d10	10.86	164	92946	20.00	ng	0.00
63) Phenanthrene-d10	12.71	188	177327	20.00	ng	0.01
75) Chrysene-d12	16.00	240	194288	20.00	ng	0.01
86) Perylene-d12	17.78	264	192961	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	291165	111.59	ng	0.00
7) Phenol-d6	6.69	99	368257	114.23	ng	0.00
23) Nitrobenzene-d5	7.81	82	227446	78.99	ng	0.00
41) 2,4,6-Tribromophenol	11.85	330	89943	101.14	ng	0.01
44) 2-Fluorobiphenyl	10.04	172	448352	70.89	ng	0.00
78) Terphenyl-d14	14.69	244	474319	59.63	ng	0.00
Target Compounds						
10) Phenol	6.72	94	12316	3.23	ng	Qvalue # 72
49) Dimethylphthalate	10.54	163	24475	3.55	ng	97
70) Phenanthrene	12.73	178	40403	3.97	ng	100
74) Fluoranthene	14.20	202	91618	8.16	ng	98
77) Pyrene	14.48	202	85967	7.04	ng	96
80) Benzo(a)anthracene	15.97	228	69978m	6.08	ng	
82) Chrysene	16.02	228	63461	6.13	ng	96
85) Indeno(1,2,3-cd)pyrene	19.16	276	46636	3.61	ng	# 100
87) Benzo(b)fluoranthene	17.32	252	109358m	8.68	ng	
88) Benzo(k)fluoranthene	17.36	252	24987m	2.54	ng	
89) Benzo(a)pyrene	17.71	252	70573	6.71	ng	# 94
91) Benzo(g,h,i)perylene	19.56	276	39470	3.72	ng	92

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

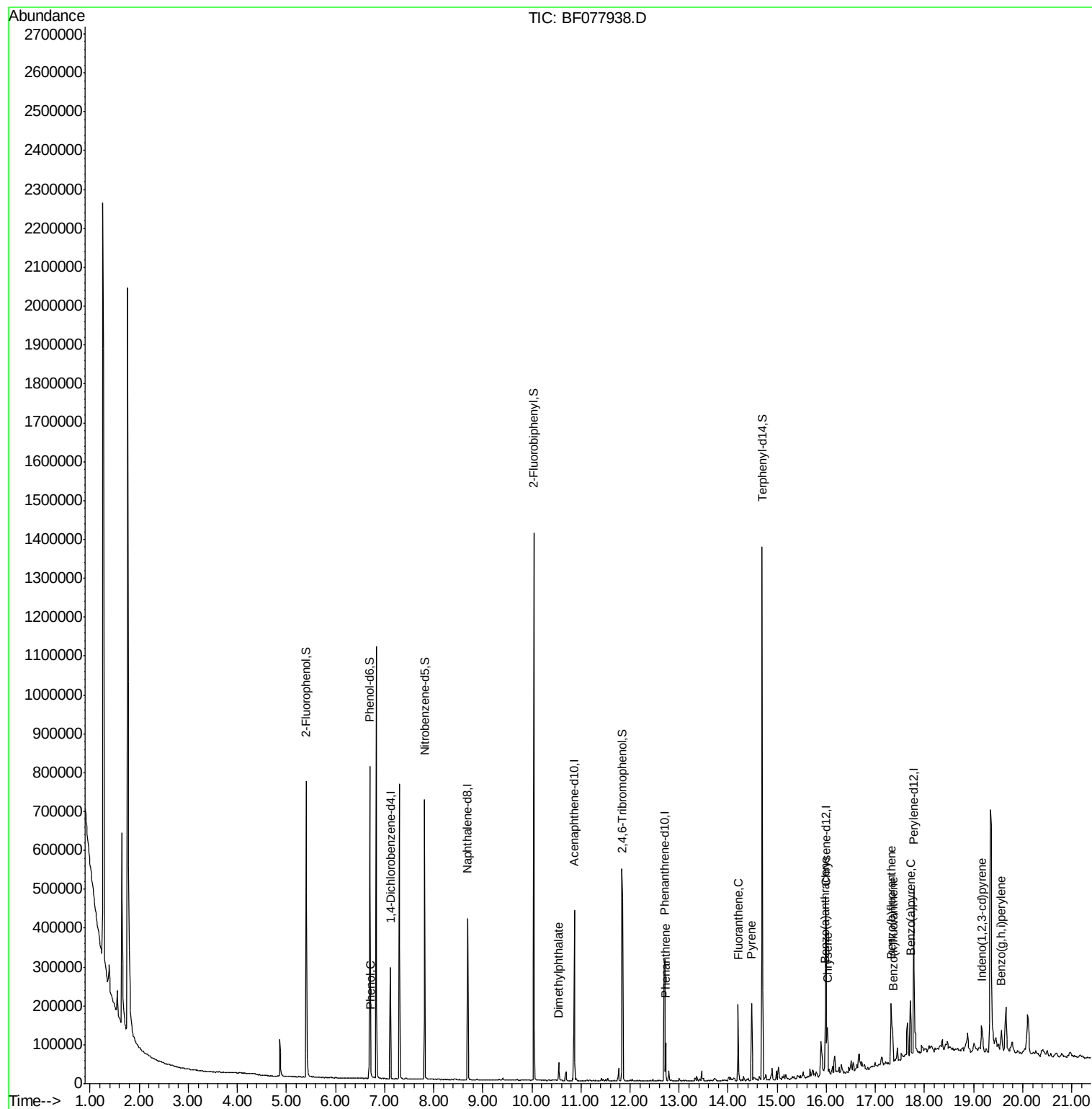
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032415\
Data File : BF077938.D
Acq On : 25 Mar 2015 6:00
Operator : TP/IZ
Sample : G1615-04
Misc :
ALS Vial : 29 Sample Multiplier: 1

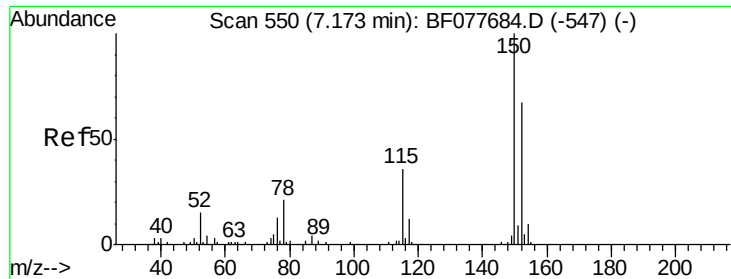
Instrument :
BNA_F
ClientSampleId :
SB-16-2

Manual Integrations
APPROVED

mohammad
3/25/2015 5:01:27 PM

Quant Time: Mar 25 07:16:32 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 25 04:36:48 2015
Response via : Initial Calibration





#1

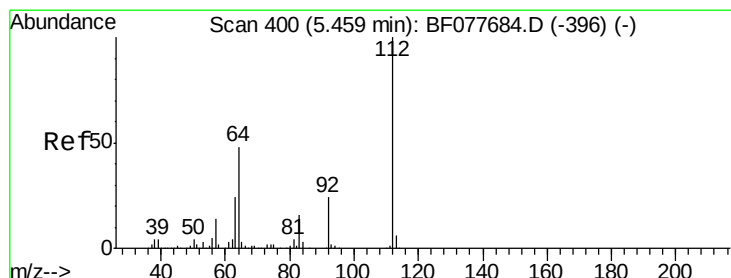
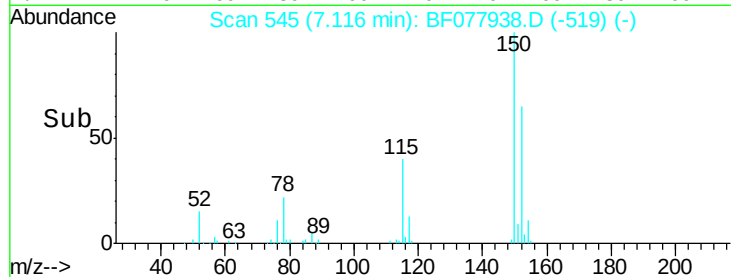
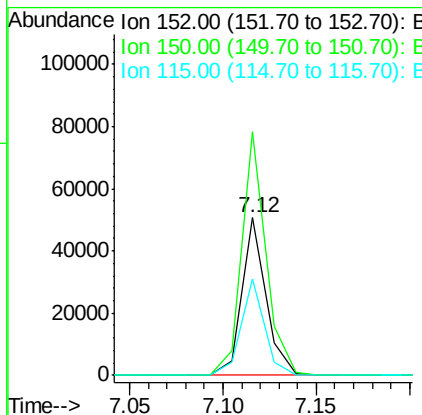
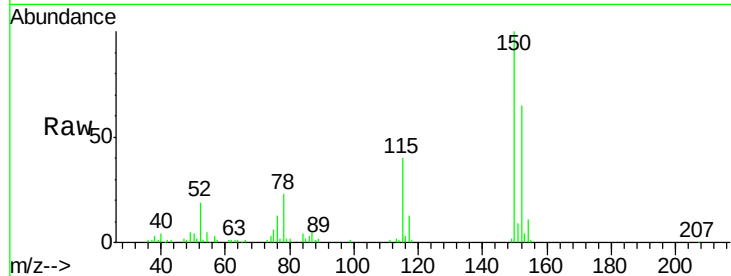
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.12 min Scan# 545
Delta R.T. -0.00 min
Lab File: BF077938.D
Acq: 25 Mar 2015 6:00

Instrument :
BNA_F
ClientSampleId :
SB-16-2

Tgt Ion	Ratio	Lower	Upper
152	100		
150	154.4	119.5	179.3
115	61.0	43.0	64.4

Manual Integrations
APPROVED

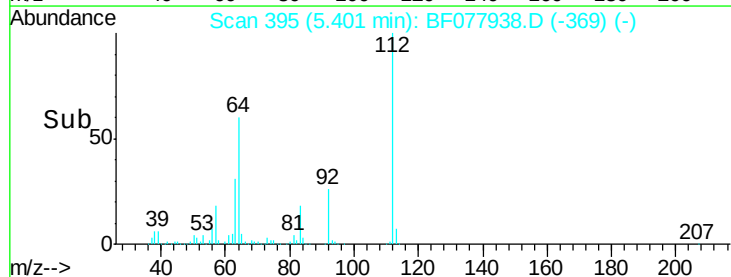
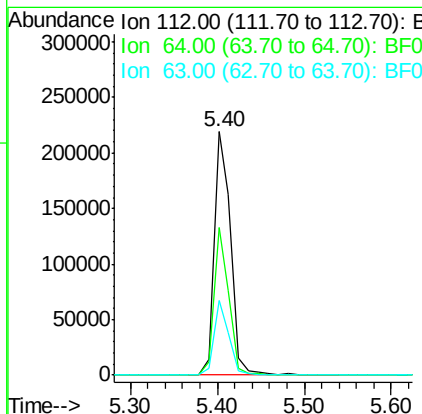
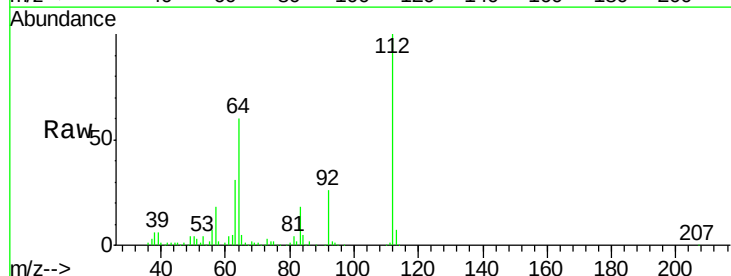
mohammad
3/25/2015 5:01:27 PM

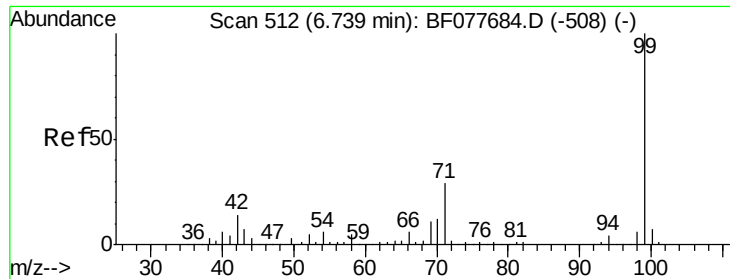


#5

2-Fluorophenol
Concen: 111.59 ng
RT: 5.40 min Scan# 395
Delta R.T. -0.00 min
Lab File: BF077938.D
Acq: 25 Mar 2015 6:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.4	38.6	57.8#
63	30.7	19.3	28.9#





#7

Phenol-d6

Concen: 114.23 ng

RT: 6.69 min Scan# 508

Delta R.T. -0.00 min

Lab File: BF077938.D

Acq: 25 Mar 2015 6:00

Instrument :

BNA_F

ClientSampleId :

SB-16-2

Tgt Ion: 99 Resp: 368257
Ion Ratio Lower Upper

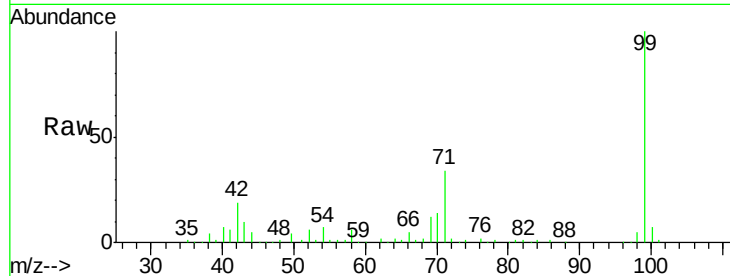
99 100

42 18.9 11.0 16.4#

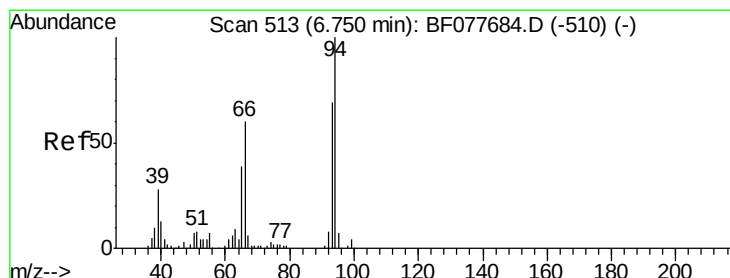
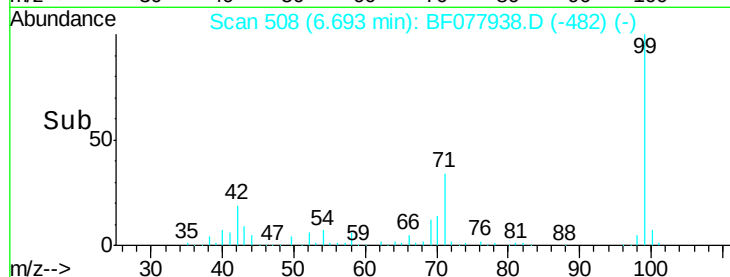
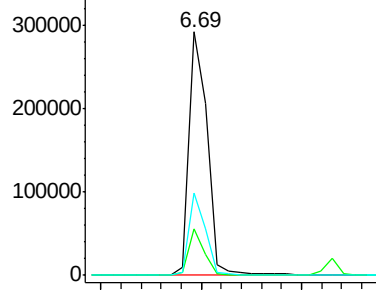
71 34.1 23.4 35.2

Manual Integrations
APPROVED

mohammad
3/25/2015 5:01:27 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



#10

Phenol

Concen: 3.23 ng

RT: 6.72 min Scan# 510

Delta R.T. 0.01 min

Lab File: BF077938.D

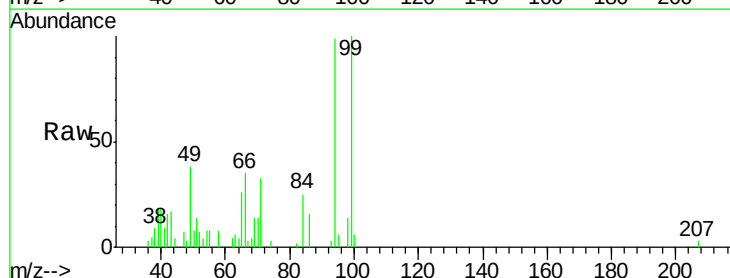
Acq: 25 Mar 2015 6:00

Tgt Ion: 94 Resp: 12316
Ion Ratio Lower Upper

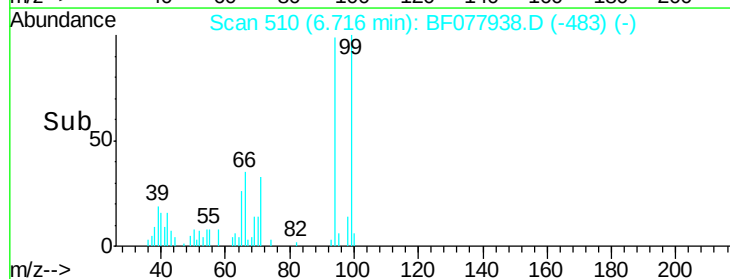
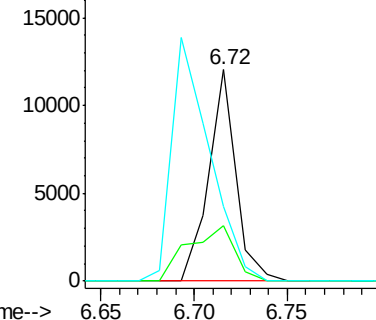
94 100

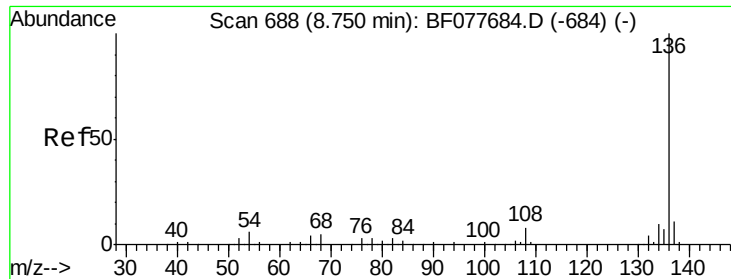
65 26.3 18.8 58.8

66 35.2 39.9 79.9#



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





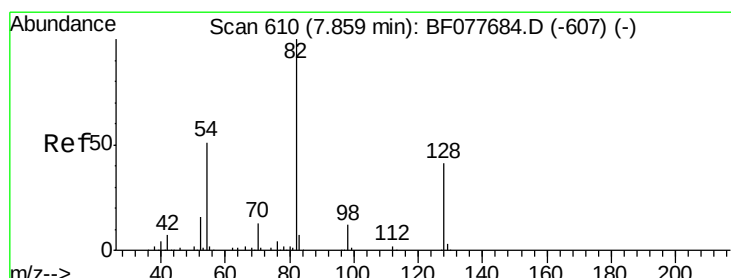
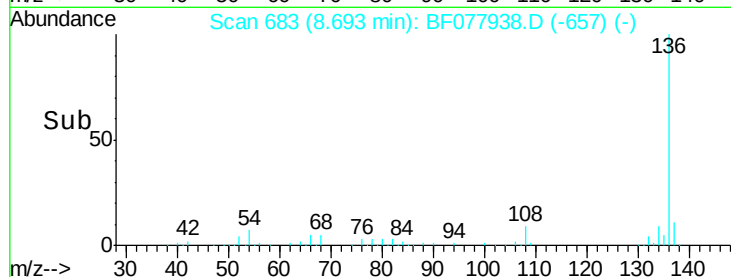
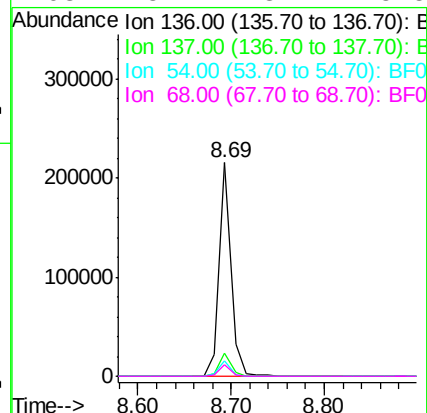
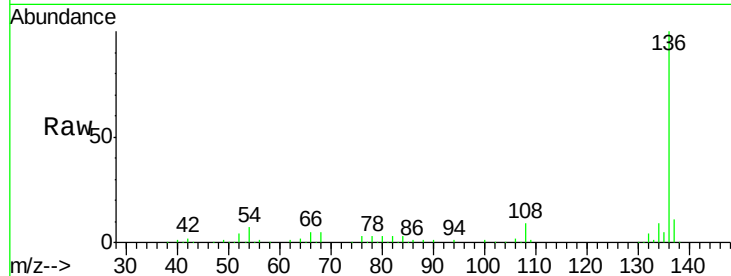
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.69 min Scan# 683
Delta R.T. -0.00 min
Lab File: BF077938.D
Acq: 25 Mar 2015 6:00

Instrument :
BNA_F
ClientSampleId :
SB-16-2

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	188744		
137	10.8	8.7	13.1	
54	7.1	4.6	6.8#	
68	5.4	3.7	5.5	

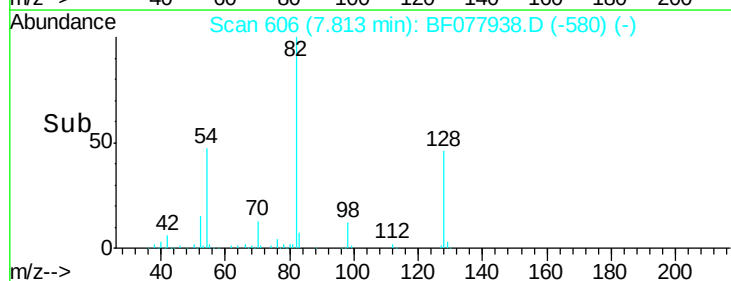
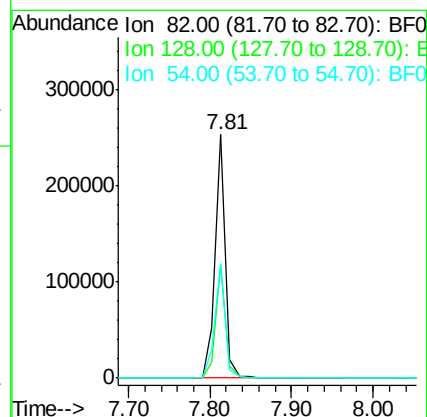
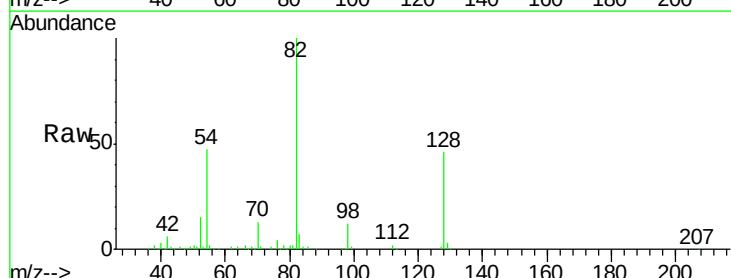
Manual Integrations
APPROVED

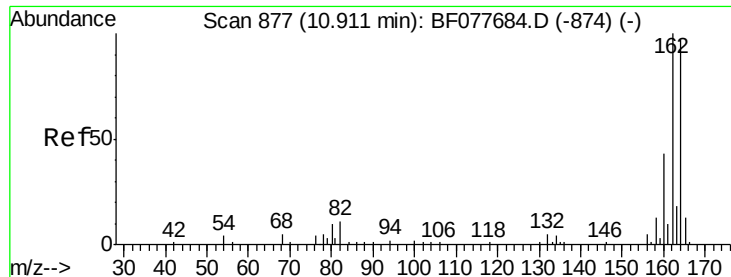
mohammad
3/25/2015 5:01:27 PM



#23
Nitrobenzene-d5
Concen: 78.99 ng
RT: 7.81 min Scan# 606
Delta R.T. -0.00 min
Lab File: BF077938.D
Acq: 25 Mar 2015 6:00

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	227446		
128	46.3	32.8	49.2	
54	47.1	40.6	60.8	





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.86 min Scan# 873

Delta R.T. -0.00 min

Lab File: BF077938.D

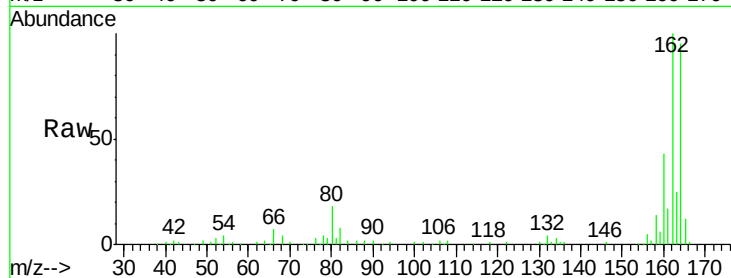
Acq: 25 Mar 2015 6:00

Instrument :

BNA_F

ClientSampleId :

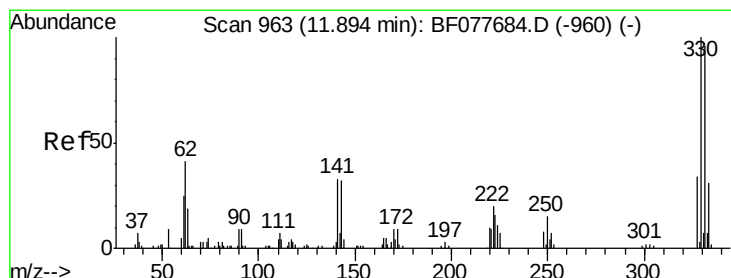
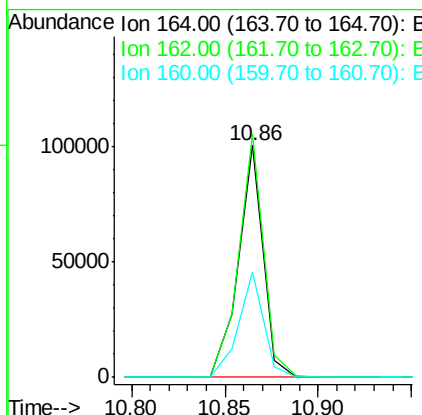
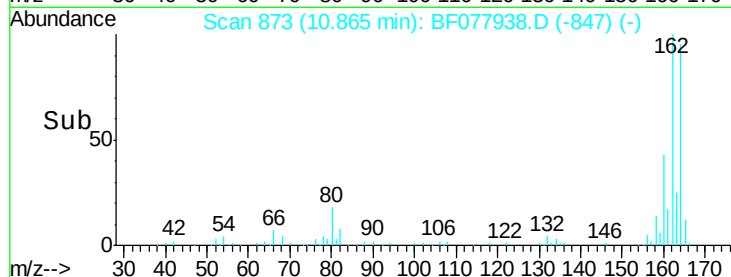
SB-16-2



Tgt Ion:	164	Resp:	92946
Ion Ratio	Lower	Upper	
164	100		
162	105.0	82.4	123.6
160	45.6	35.8	53.6

Manual Integrations
APPROVED

mohammad
3/25/2015 5:01:27 PM



#41

2,4,6-Tribromophenol

Concen: 101.14 ng

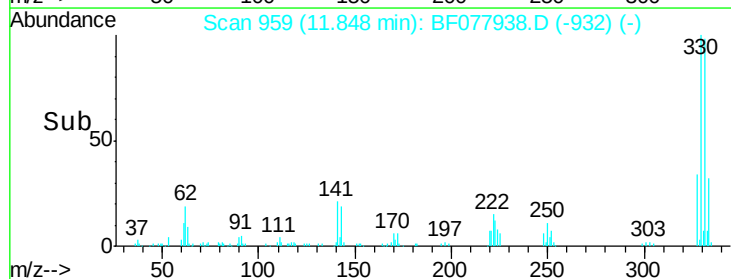
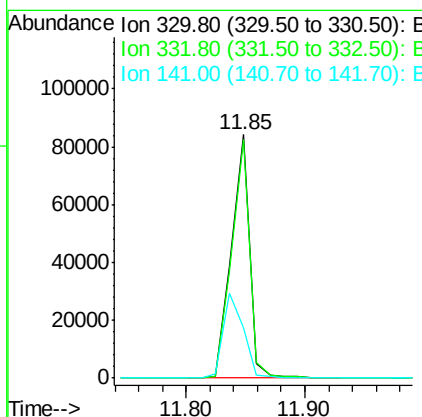
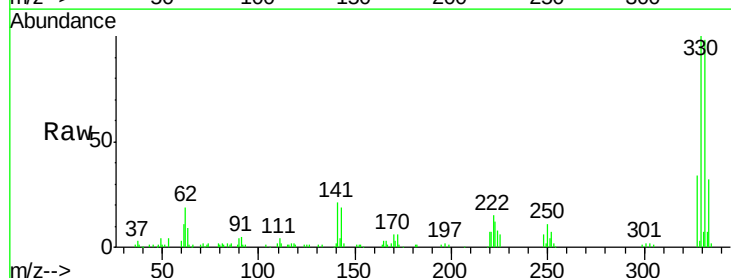
RT: 11.85 min Scan# 959

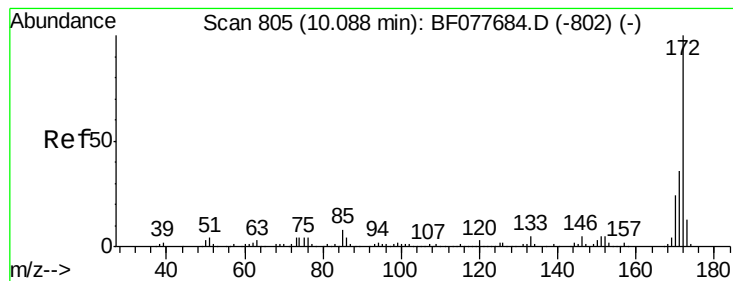
Delta R.T. 0.01 min

Lab File: BF077938.D

Acq: 25 Mar 2015 6:00

Tgt Ion:	330	Resp:	89943
Ion Ratio	Lower	Upper	
330	100		
332	97.5	0.0	0.0#
141	38.0	0.0	0.0#





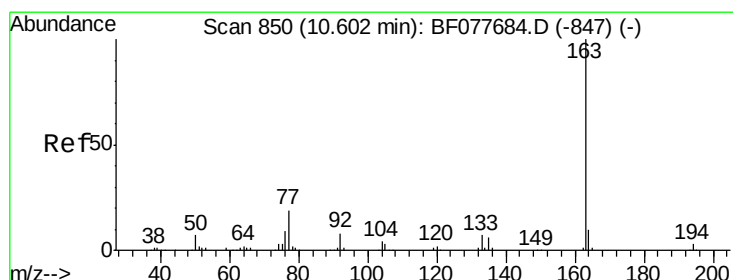
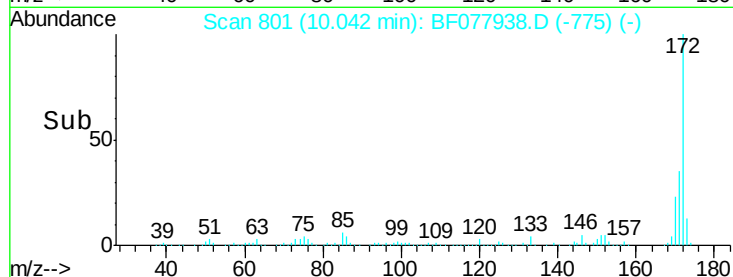
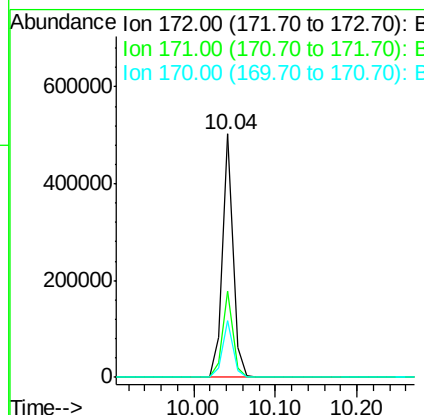
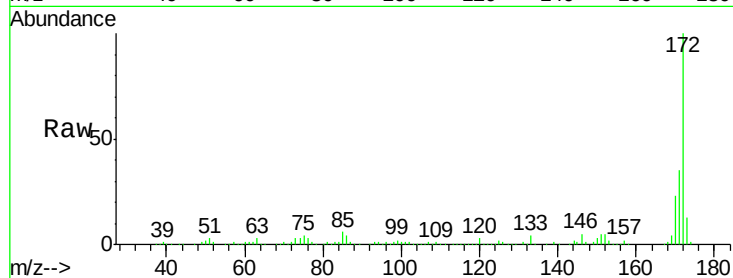
#44
2-Fluorobiphenyl
Concen: 70.89 ng
RT: 10.04 min Scan# 801
Delta R.T. -0.00 min
Lab File: BF077938.D
Acq: 25 Mar 2015 6:00

Instrument :
BNA_F
ClientSampleId :
SB-16-2

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	448352		
171	35.3	28.5	42.7	
170	23.3	18.8	28.2	

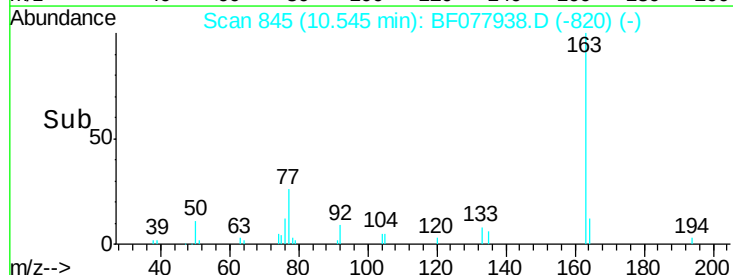
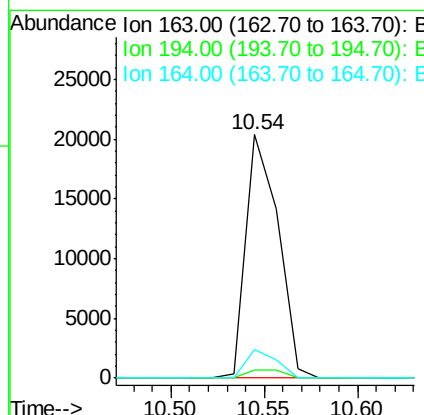
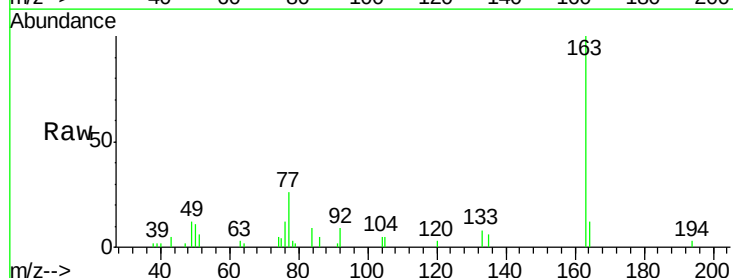
Manual Integrations
APPROVED

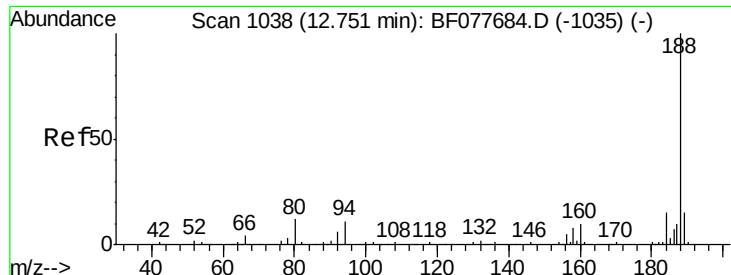
mohammad
3/25/2015 5:01:27 PM



#49
Dimethylphthalate
Concen: 3.55 ng
RT: 10.54 min Scan# 845
Delta R.T. -0.01 min
Lab File: BF077938.D
Acq: 25 Mar 2015 6:00

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	24475		
194	3.3	2.7	4.1	
164	11.7	8.2	12.2	





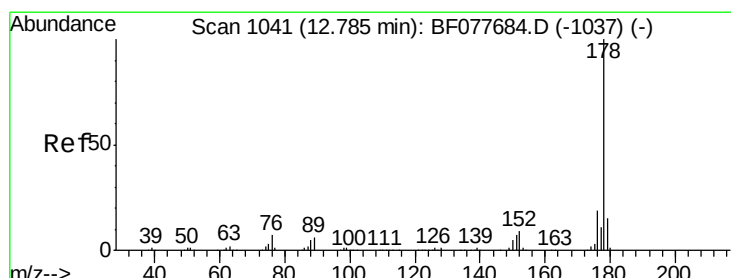
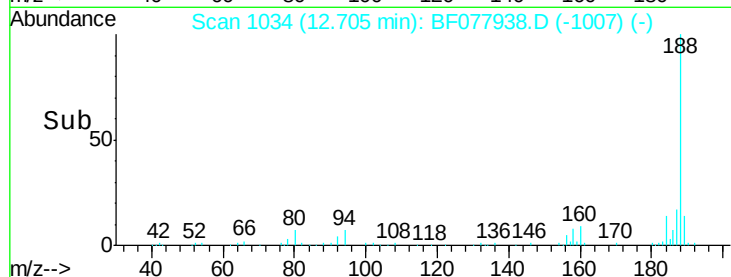
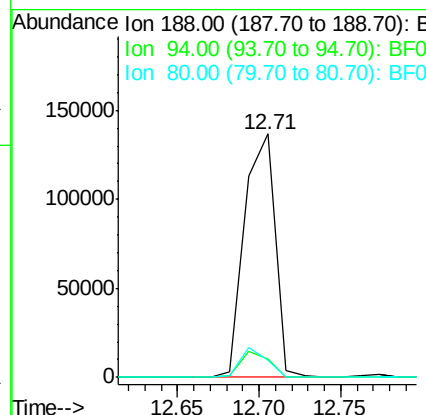
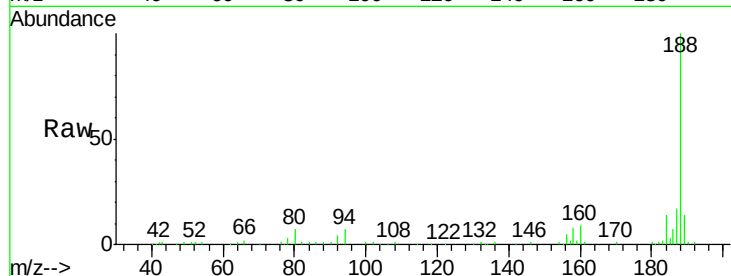
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.71 min Scan# 1034
Delta R.T. 0.01 min
Lab File: BF077938.D
Acq: 25 Mar 2015 6:00

Instrument :
BNA_F
ClientSampleId :
SB-16-2

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	7.3	8.7	13.1#
80	7.2	9.3	13.9#

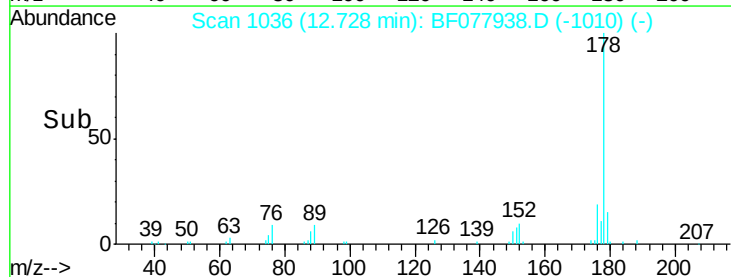
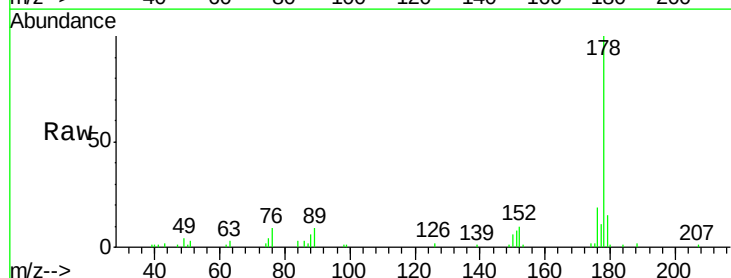
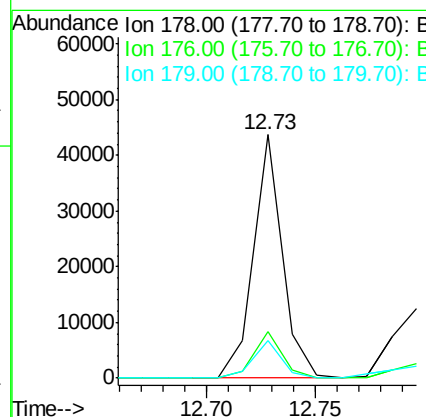
Manual Integrations
APPROVED

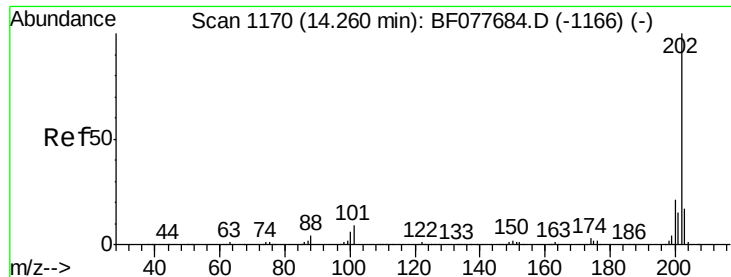
mohammad
3/25/2015 5:01:27 PM



#70
Phenanthrene
Concen: 3.97 ng
RT: 12.73 min Scan# 1036
Delta R.T. -0.00 min
Lab File: BF077938.D
Acq: 25 Mar 2015 6:00

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	18.9	15.2	22.8
179	15.3	12.1	18.1





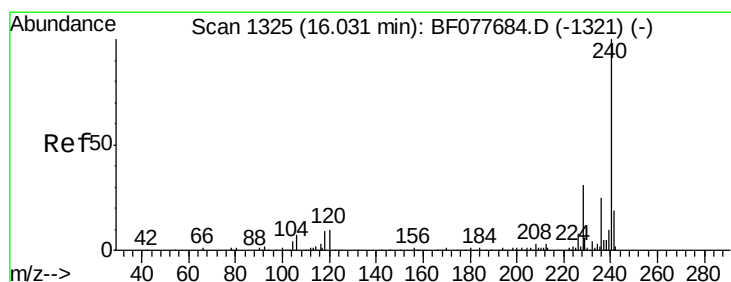
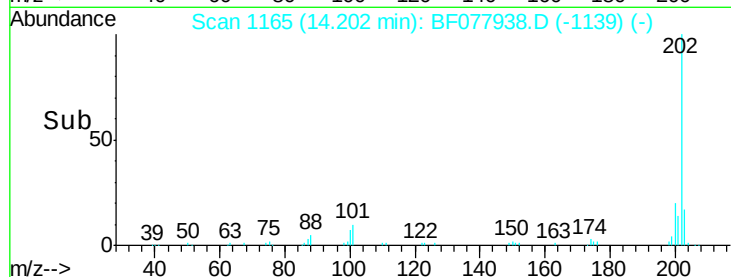
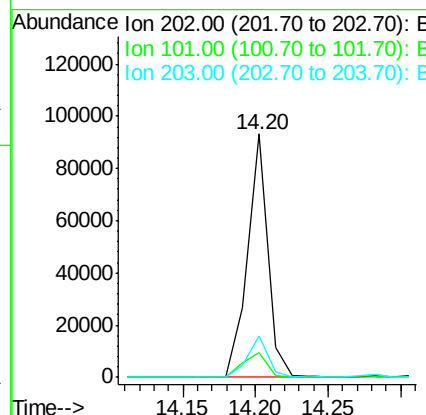
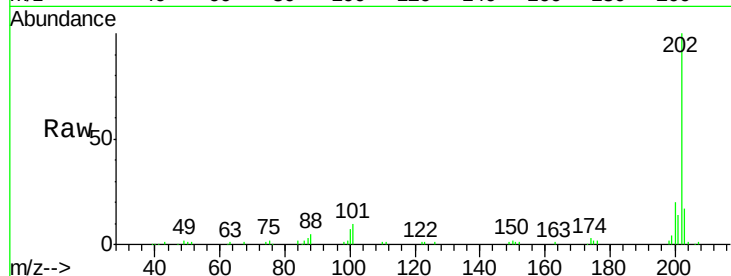
#74
 Fluoranthene
 Concen: 8.16 ng
 RT: 14.20 min Scan# 1165
 Delta R.T. -0.00 min
 Lab File: BF077938.D
 Acq: 25 Mar 2015 6:00

Instrument :
 BNA_F
 ClientSampleId :
 SB-16-2

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	10.2	0.0	28.7
203	16.7	0.0	37.2

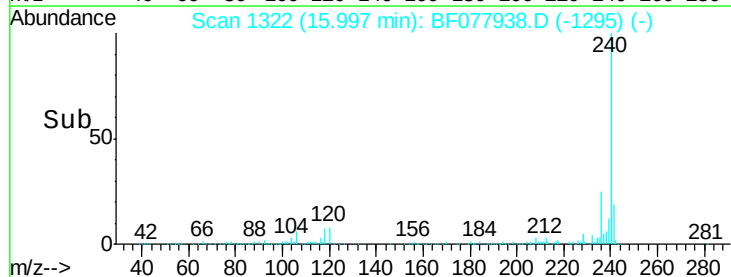
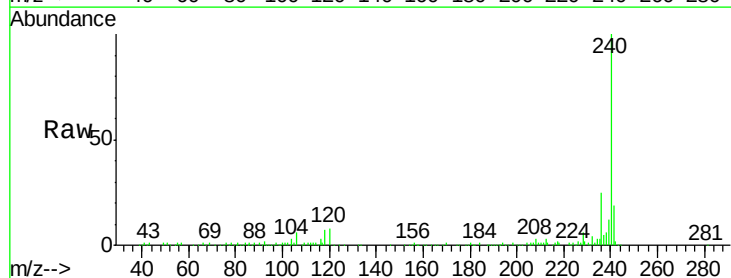
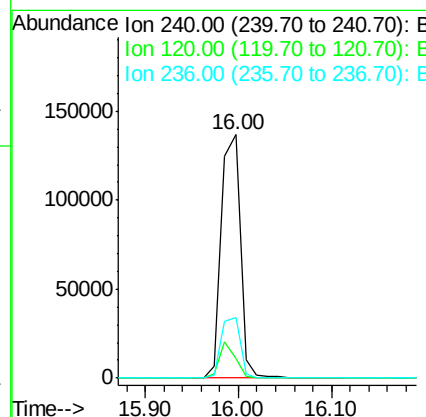
Manual Integrations
 APPROVED

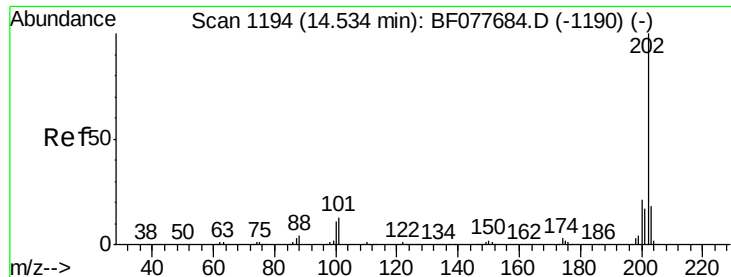
mohammad
 3/25/2015 5:01:27 PM



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 16.00 min Scan# 1322
 Delta R.T. 0.01 min
 Lab File: BF077938.D
 Acq: 25 Mar 2015 6:00

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	7.8	8.2	12.2#
236	25.0	20.0	30.0





#77

Pyrene

Concen: 7.04 ng

RT: 14.48 min Scan# 1189

Delta R.T. -0.00 min

Lab File: BF077938.D

Acq: 25 Mar 2015 6:00

Instrument :

BNA_F

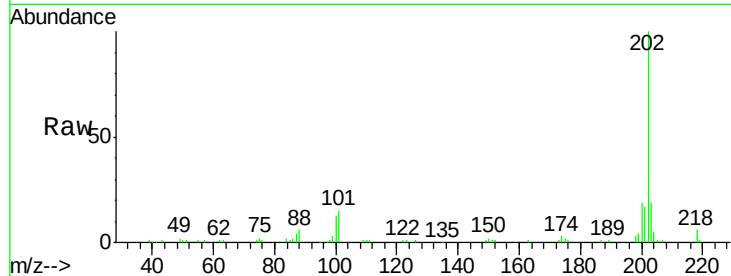
ClientSampleId :

SB-16-2

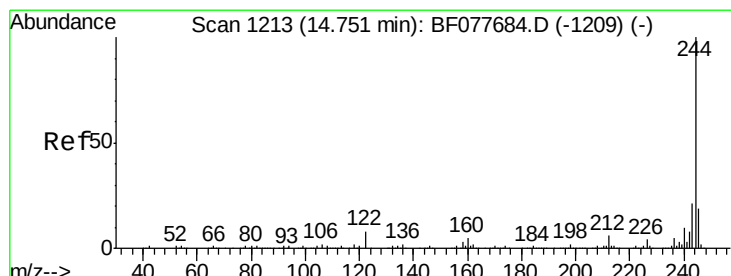
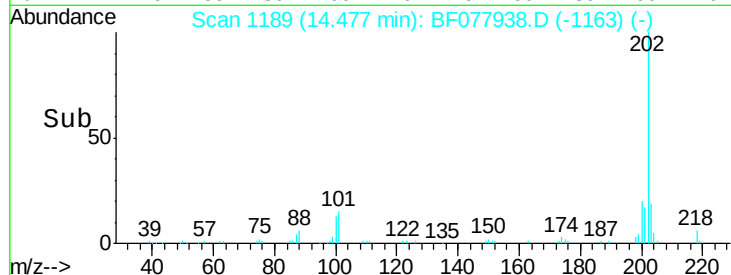
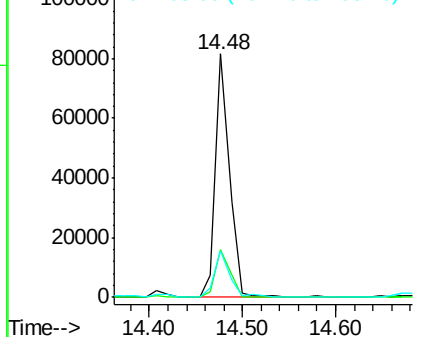
Tgt Ion:	202	Resp:	85967
Ion Ratio	Lower	Upper	
202	100		
200	19.4	16.9	25.3
203	19.2	14.1	21.1

Manual Integrations
APPROVED

mohammad
3/25/2015 5:01:27 PM



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: 59.63 ng

RT: 14.69 min Scan# 1208

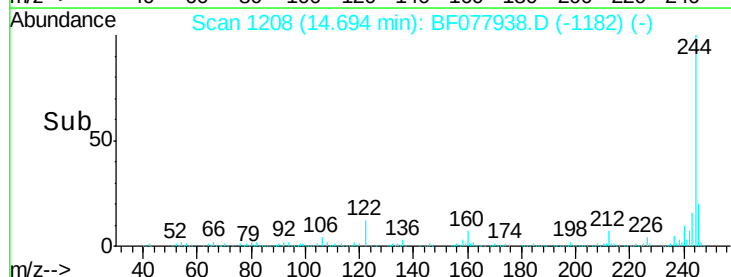
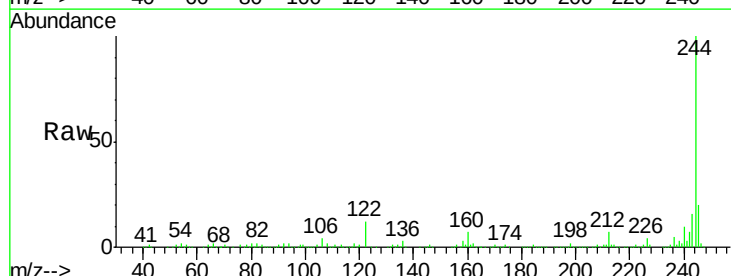
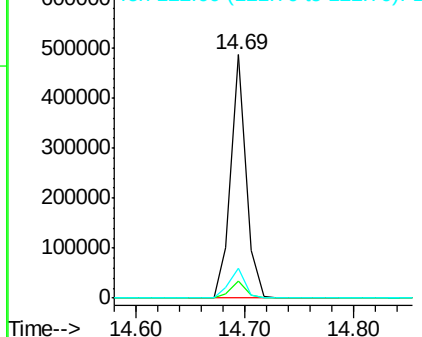
Delta R.T. -0.00 min

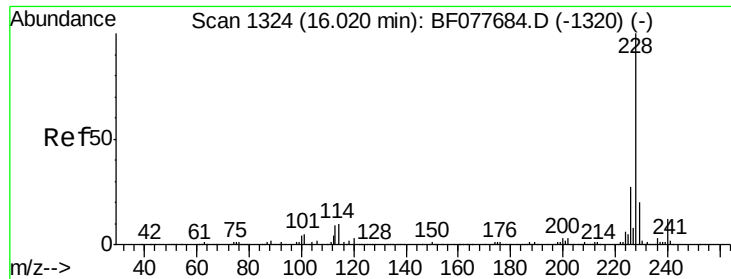
Lab File: BF077938.D

Acq: 25 Mar 2015 6:00

Tgt Ion:	244	Resp:	474319
Ion Ratio	Lower	Upper	
244	100		
212	7.0	4.9	7.3
122	12.1	6.2	9.4#

Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





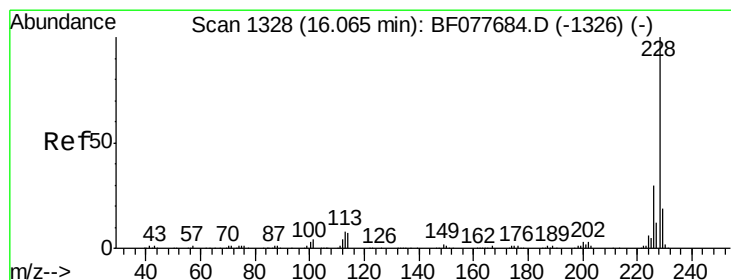
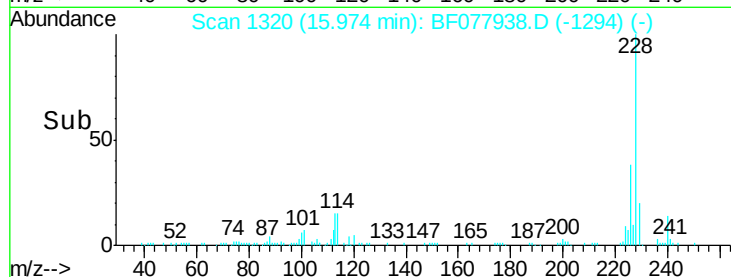
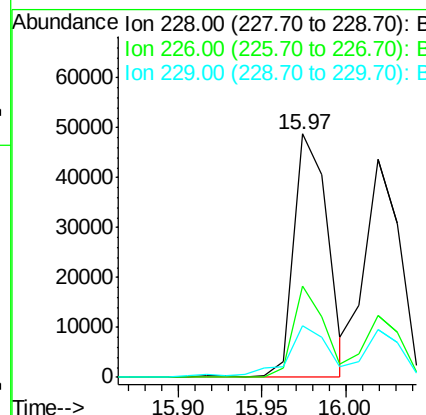
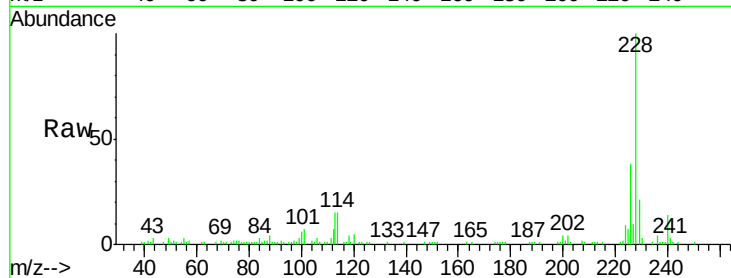
#80
Benzo(a)anthracene
Concen: 6.08 ng m
RT: 15.97 min Scan# 1320
Delta R.T. -0.00 min
Lab File: BF077938.D
Acq: 25 Mar 2015 6:00

Instrument :
BNA_F
ClientSampleId :
SB-16-2

Tgt Ion	Ratio	Lower	Upper
228	100		
226	37.7	21.7	32.5#
229	21.3	16.0	24.0

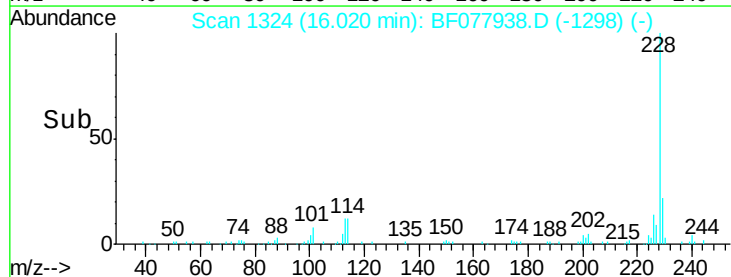
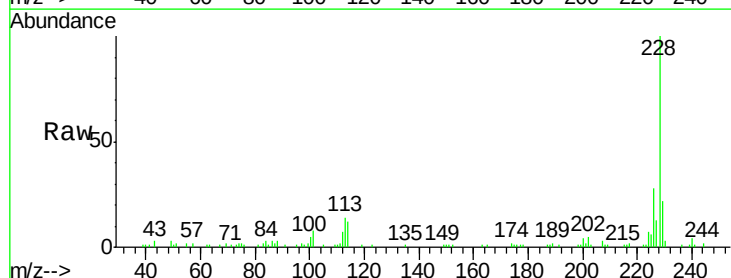
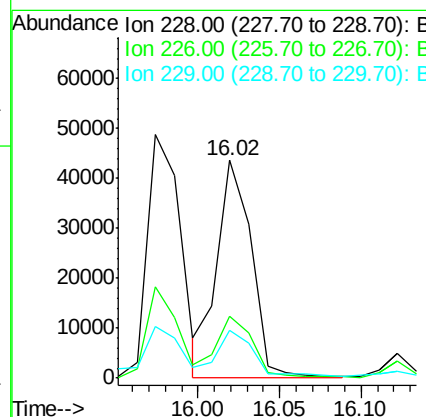
Manual Integrations
APPROVED

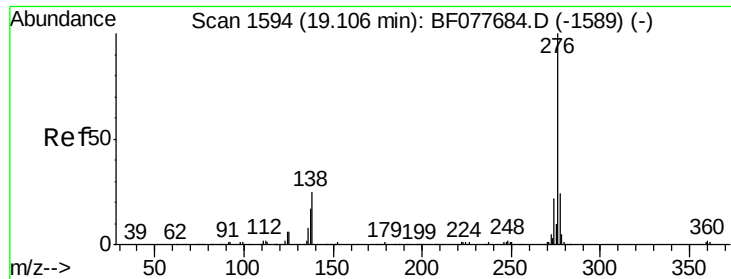
mohammad
3/25/2015 5:01:27 PM



#82
Chrysene
Concen: 6.13 ng
RT: 16.02 min Scan# 1324
Delta R.T. -0.00 min
Lab File: BF077938.D
Acq: 25 Mar 2015 6:00

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.3	24.1	36.1
229	21.8	15.5	23.3





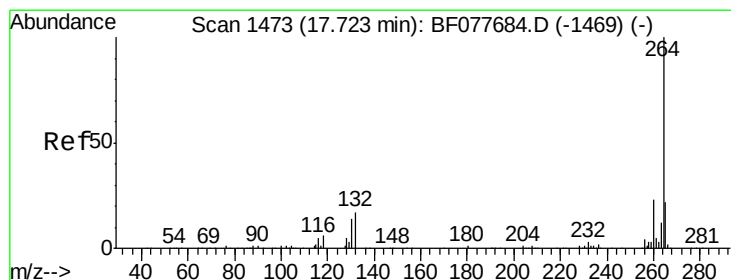
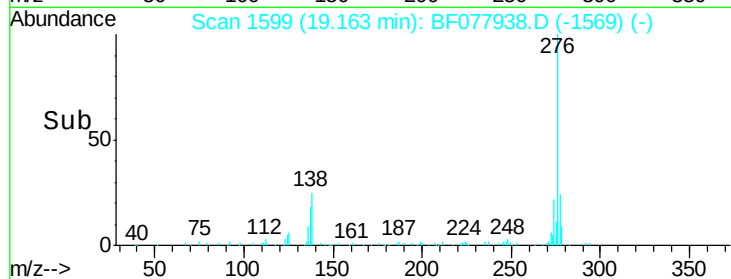
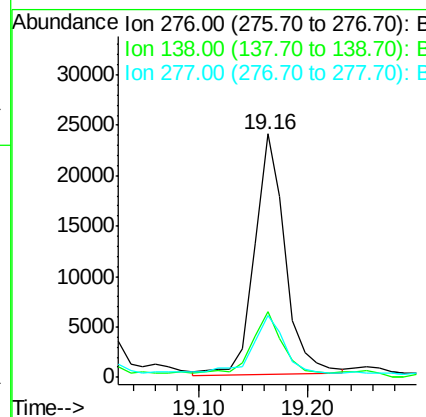
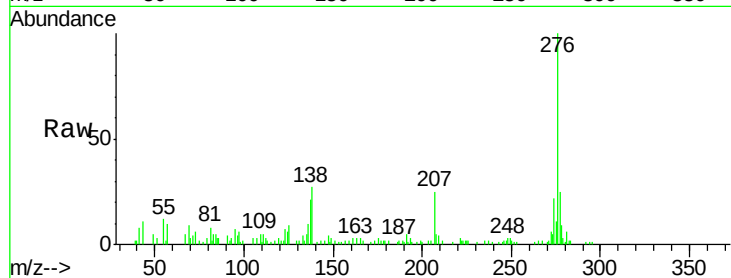
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.61 ng
 RT: 19.16 min Scan# 1599
 Delta R.T. 0.05 min
 Lab File: BF077938.D
 Acq: 25 Mar 2015 6:00

Instrument :
 BNA_F
 ClientSampleId :
 SB-16-2

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	26.2	0.0	0.0#
277	26.6	0.0	0.0#

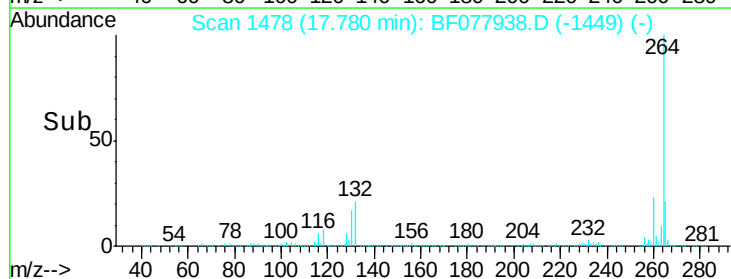
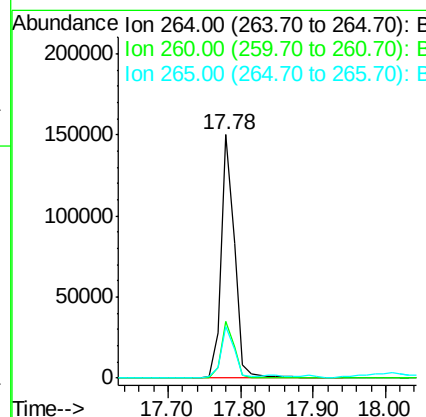
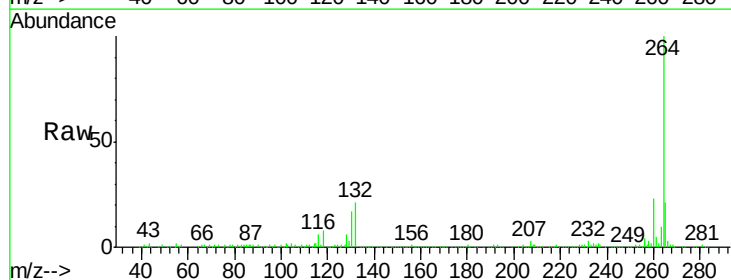
Manual Integrations
 APPROVED

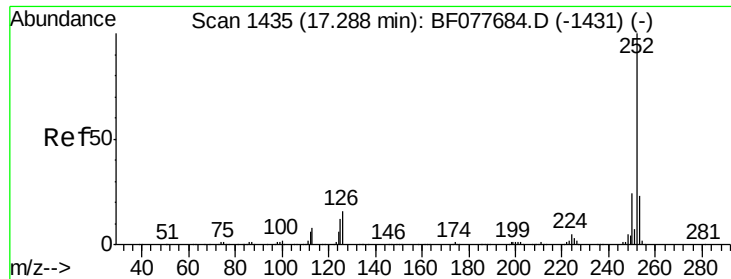
mohammad
 3/25/2015 5:01:27 PM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.78 min Scan# 1478
 Delta R.T. 0.03 min
 Lab File: BF077938.D
 Acq: 25 Mar 2015 6:00

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	23.3	18.6	27.8
265	21.2	17.3	25.9





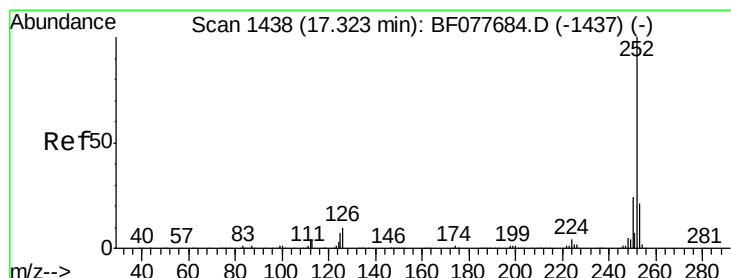
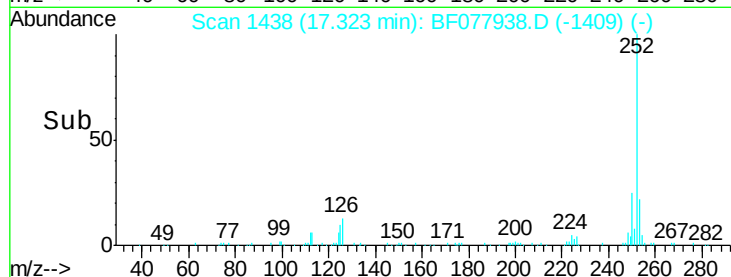
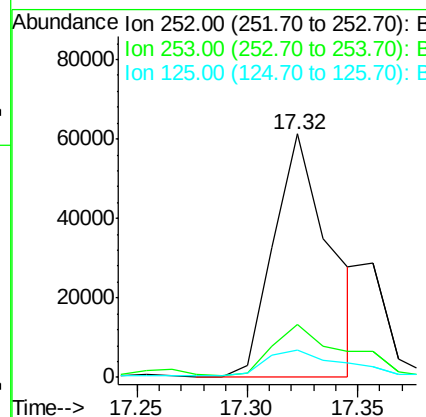
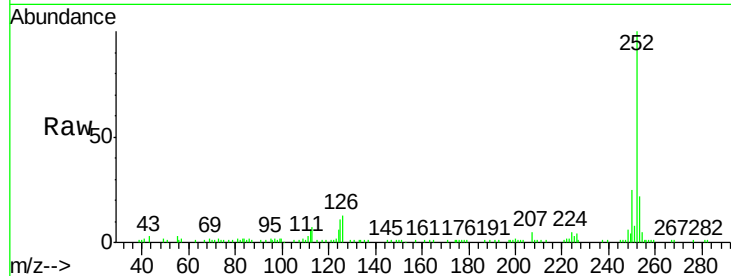
#87
Benzo(b)fluoranthene
Concen: 8.68 ng m
RT: 17.32 min Scan# 1438
Delta R.T. 0.03 min
Lab File: BF077938.D
Acq: 25 Mar 2015 6:00

Instrument :
BNA_F
ClientSampleId :
SB-16-2

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.0	27.0
125	11.4	9.9	14.9

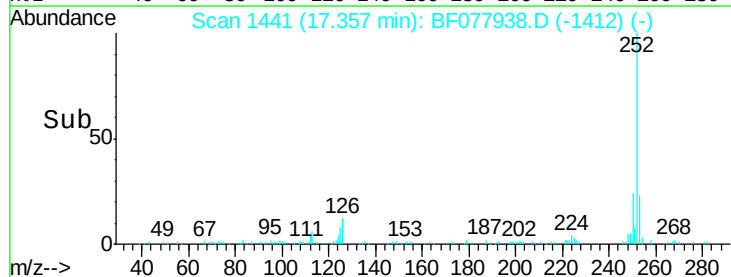
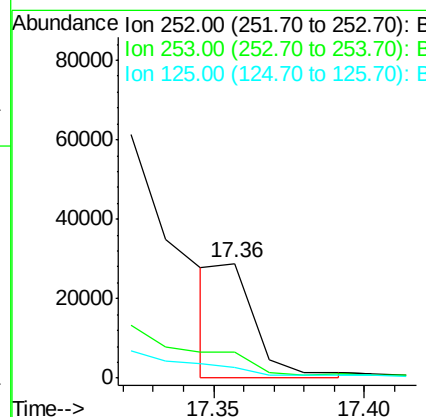
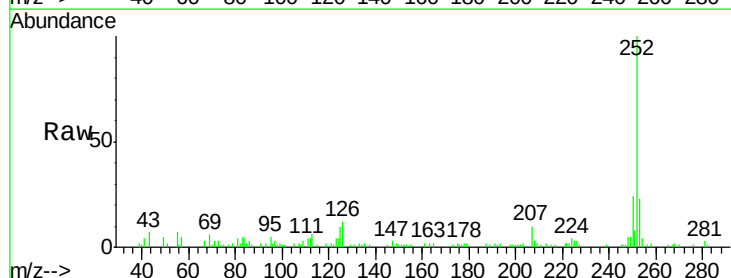
Manual Integrations
APPROVED

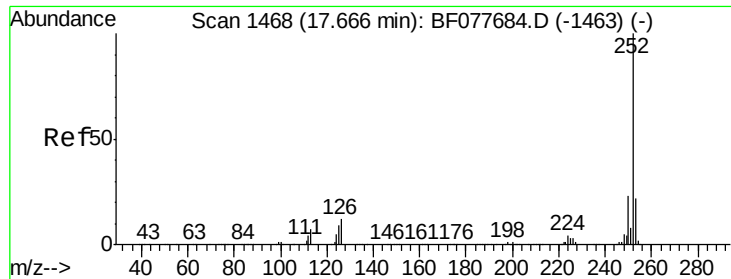
mohammad
3/25/2015 5:01:27 PM



#88
Benzo(k)fluoranthene
Concen: 2.54 ng m
RT: 17.36 min Scan# 1441
Delta R.T. 0.03 min
Lab File: BF077938.D
Acq: 25 Mar 2015 6:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.2	25.8
125	9.6	8.1	12.1





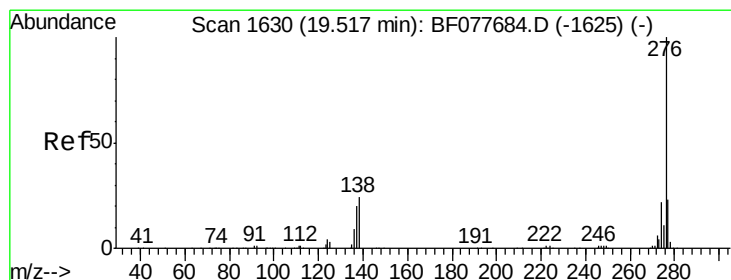
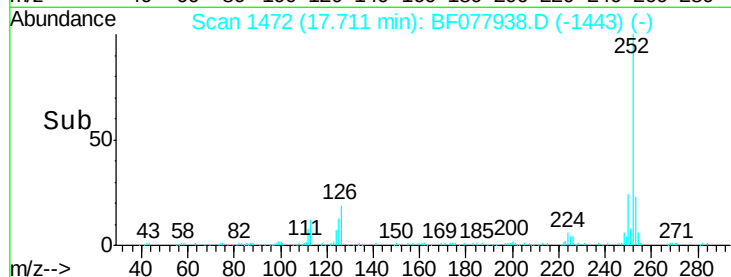
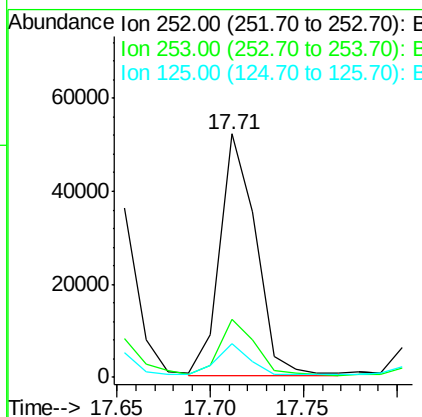
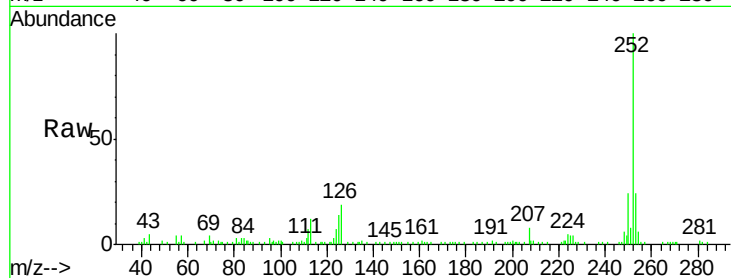
#89
Benzo(a)pyrene
Concen: 6.71 ng
RT: 17.71 min Scan# 1472
Delta R.T. 0.03 min
Lab File: BF077938.D
Acq: 25 Mar 2015 6:00

Instrument :
BNA_F
ClientSampleId :
SB-16-2

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.6	26.4
125	13.6	7.4	11.2

Manual Integrations
APPROVED

mohammad
3/25/2015 5:01:27 PM



#91
Benzo(g,h,i)perylene
Concen: 3.72 ng
RT: 19.56 min Scan# 1634
Delta R.T. 0.05 min
Lab File: BF077938.D
Acq: 25 Mar 2015 6:00

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.0	18.5	27.7
138	28.1	19.0	28.6

