

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111414\
 Data File : BF075566.D
 Acq On : 16 Nov 2014 3:04
 Operator : TP / JJ
 Sample : F4713-02
 Misc :
 ALS Vial : 64 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-2(4-5)

Manual Integrations
 APPROVED

mohammad
 11/17/2014 7:38:48 PM

Quant Time: Nov 17 03:31:38 2014
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111214.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 17 01:17:49 2014
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	61678	20.00	ng	0.00
21) Naphthalene-d8	9.13	136	253367	20.00	ng	0.00
38) Acenaphthene-d10	11.32	164	133476	20.00	ng	0.00
63) Phenanthrene-d10	13.17	188	216978	20.00	ng	0.01
75) Chrysene-d12	16.47	240	205301	20.00	ng	0.00
86) Perylene-d12	18.21	264	196320	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.85	112	315637	90.41	ng	0.01
7) Phenol-d6	7.11	99	381348	90.83	ng	0.01
23) Nitrobenzene-d5	8.24	82	209190	60.53	ng	0.00
41) 2,4,6-Tribromophenol	12.30	330	91548	81.89	ng	0.00
44) 2-Fluorobiphenyl	10.48	172	453497	61.39	ng	0.00
78) Terphenyl-d14	15.17	244	432707	56.74	ng	0.01
Target Compounds						Qvalue
32) Benzoic acid	8.82	122	130524m	61.08	ng	
48) Acenaphthylene	11.15	152	202452	17.44	ng	99
49) Dimethylphthalate	10.99	163	25659	2.81	ng	# 98
51) Acenaphthene	11.36	154	16455	2.35	ng	99
57) Fluorene	12.00	166	40022	4.94	ng	97
70) Phenanthrene	13.20	178	385183	33.73	ng	100
71) Anthracene	13.26	178	198599	16.83	ng	99
72) Carbazole	13.47	167	31086	2.69	ng	99
74) Fluoranthene	14.69	202	837903	68.51	ng	92
77) Pyrene	14.96	202	816227	68.39	ng	98
80) Benzo(a)anthracene	16.46	228	453527	42.05	ng	# 89
82) Chrysene	16.49	228	436359	46.78	ng	96
83) Bis(2-ethylhexyl)phthalate	16.48	149	108896	10.31	ng	# 99
85) Indeno(1,2,3-cd)pyrene	19.77	276	283154	25.02	ng	# 100
87) Benzo(b)fluoranthene	17.74	252	618496m	58.92	ng	
88) Benzo(k)fluoranthene	17.76	252	116319m	12.35	ng	
89) Benzo(a)pyrene	18.14	252	419190	44.63	ng	# 94
90) Dibenzo(a,h)anthracene	19.80	278	75621	7.71	ng	# 76
91) Benzo(g,h,i)perylene	20.25	276	333102m	35.65	ng	

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

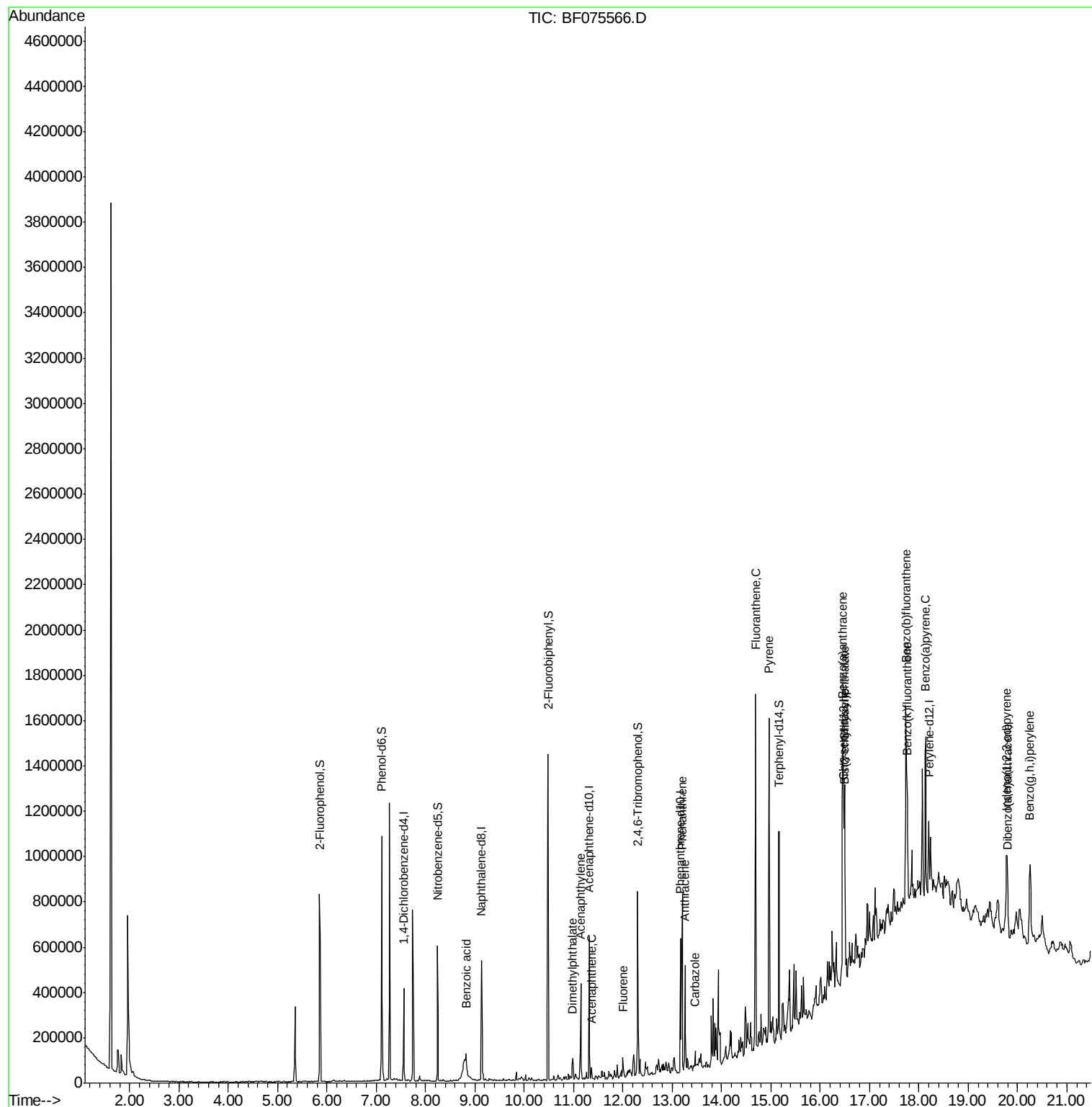
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111414\
Data File : BF075566.D
Acq On : 16 Nov 2014 3:04
Operator : TP / JJ
Sample : F4713-02
Misc :
ALS Vial : 64 Sample Multiplier: 1

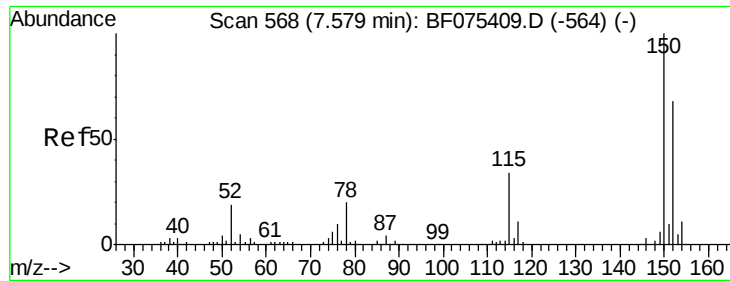
Instrument :
BNA_F
ClientSampled :
SB-2(4-5)

Manual Integrations
APPROVED

mohammad
11/17/2014 7:38:48 PM

Quant Time: Nov 17 03:31:38 2014
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111214.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 17 01:17:49 2014
Response via : Initial Calibration

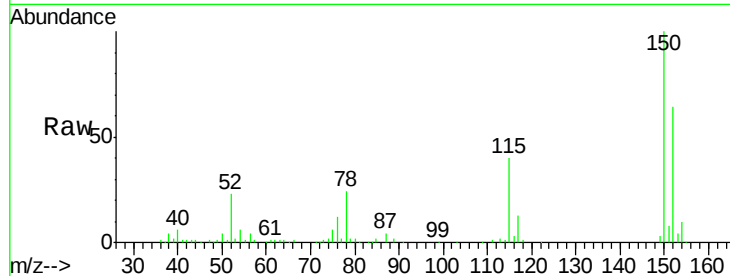




#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.56 min Scan# 566
Delta R.T. 0.00 min
Lab File: BF075566.D
Acq: 16 Nov 2014 3:04

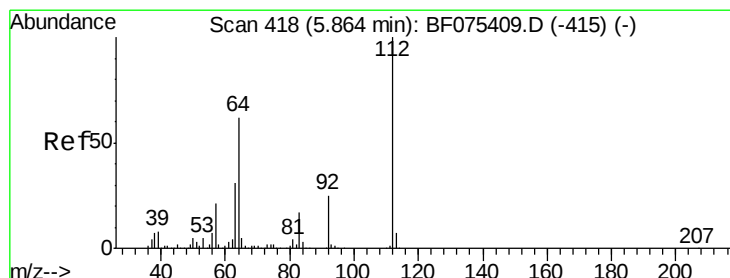
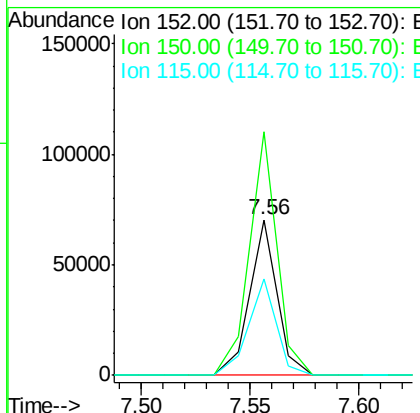
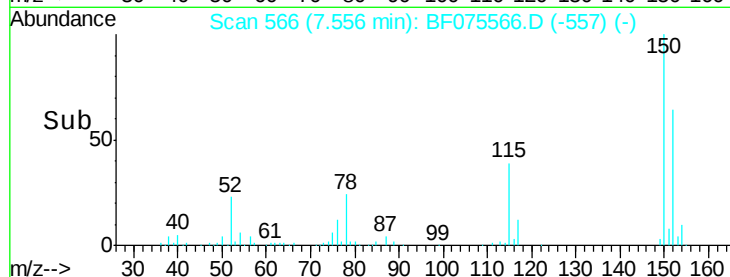
Instrument :
BNA_F
ClientSampleId :
SB-2(4-5)



Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.7	127.2	190.8
115	62.4	57.1	85.7

Manual Integrations
APPROVED

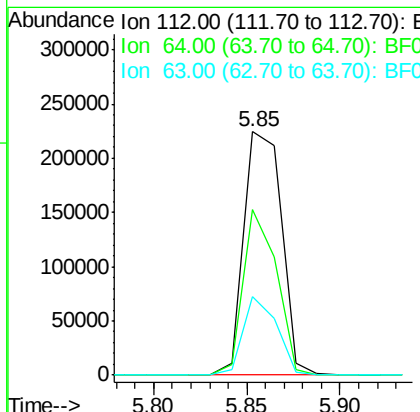
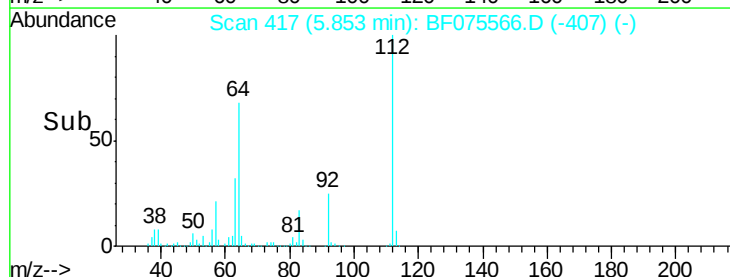
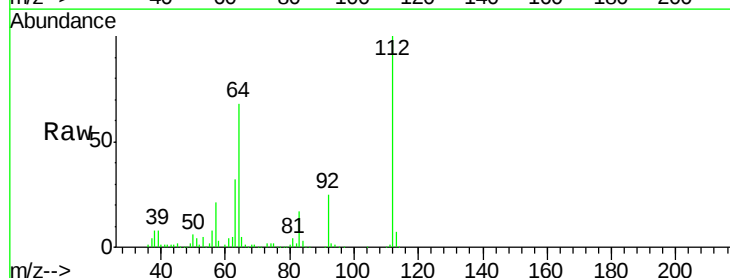
mohammad
11/17/2014 7:38:48 PM

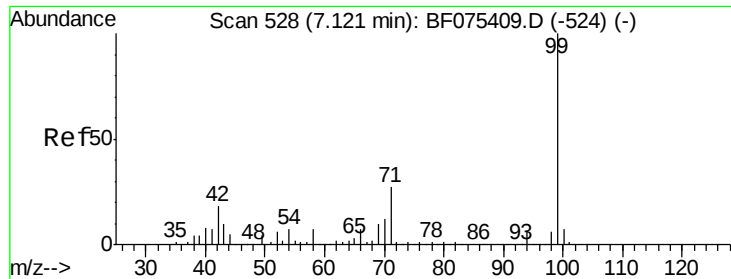


#5

2-Fluorophenol
Concen: 90.41 ng
RT: 5.85 min Scan# 417
Delta R.T. 0.01 min
Lab File: BF075566.D
Acq: 16 Nov 2014 3:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.2	45.8	68.6
63	32.3	22.7	34.1





#7

Phenol-d6

Concen: 90.83 ng

RT: 7.11 min Scan# 527

Delta R.T. 0.01 min

Lab File: BF075566.D

Acq: 16 Nov 2014 3:04

Instrument :

BNA_F

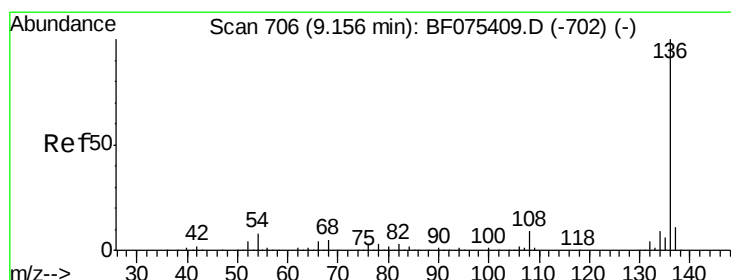
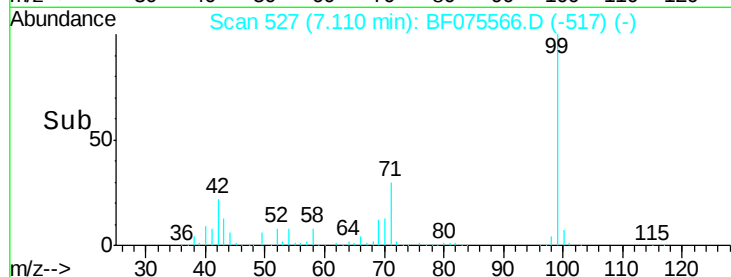
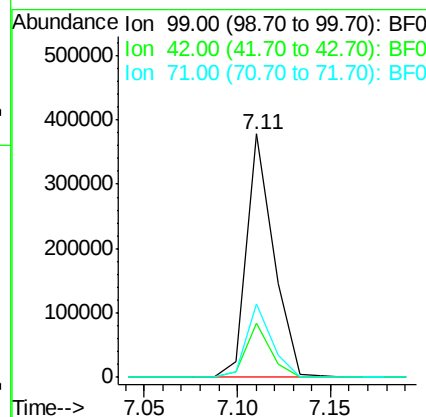
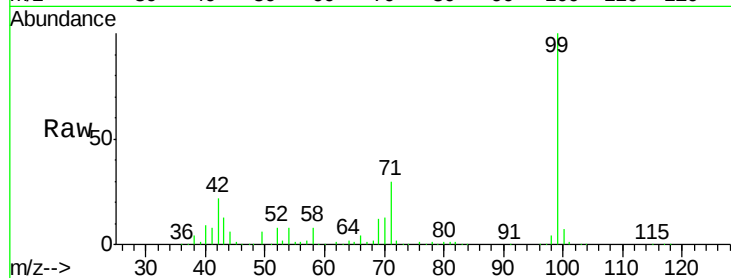
ClientSampleId :

SB-2(4-5)

Tgt Ion:	99	Resp:	381348
Ion Ratio	Lower	Upper	
99	100		
42	22.5	19.8	29.6
71	30.2	25.5	38.3

Manual Integrations
APPROVED

mohammad
11/17/2014 7:38:48 PM



#21

Naphthalene-d8

Concen: 20.00 ng

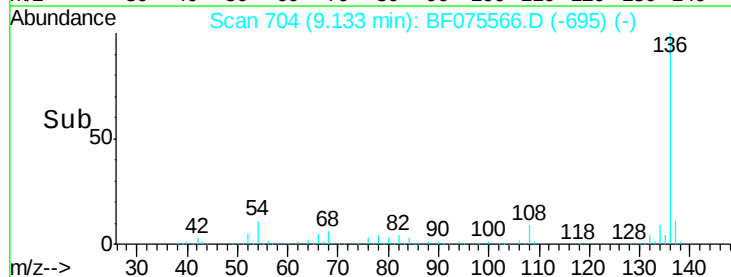
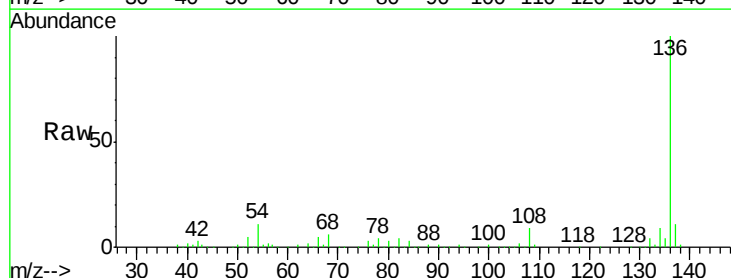
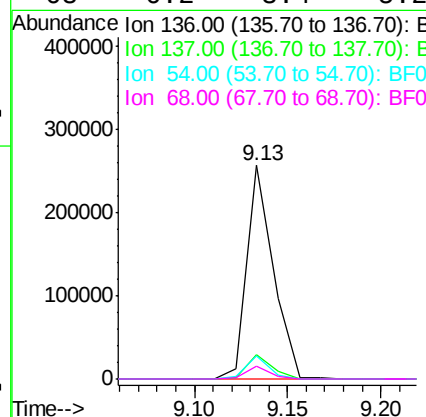
RT: 9.13 min Scan# 704

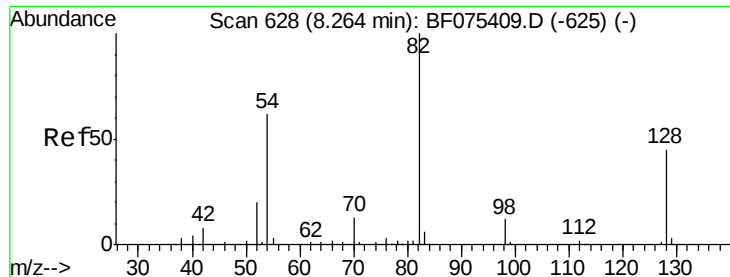
Delta R.T. 0.00 min

Lab File: BF075566.D

Acq: 16 Nov 2014 3:04

Tgt Ion:	136	Resp:	253367
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.2	12.4
54	10.5	6.2	9.4#
68	6.2	3.4	5.2#





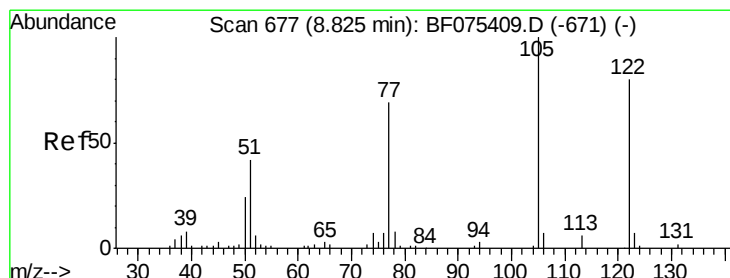
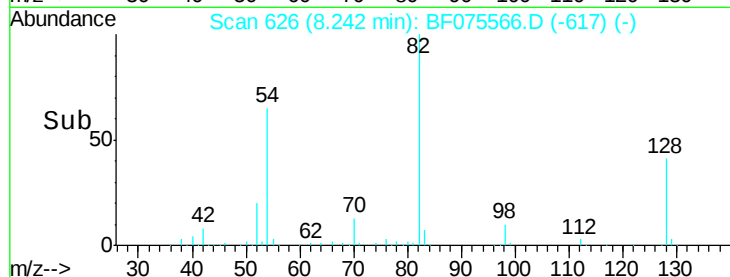
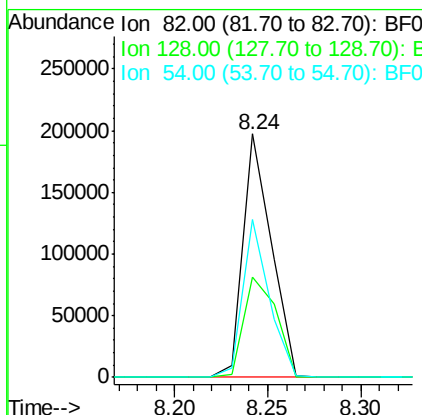
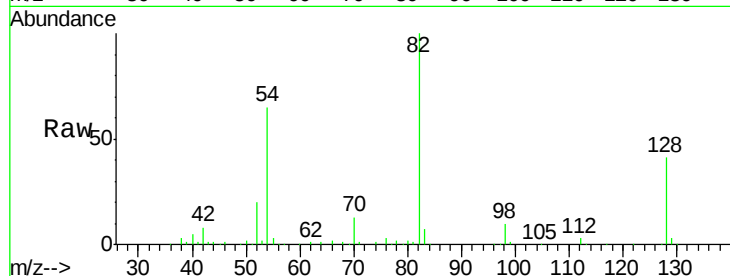
#23
Nitrobenzene-d5
Concen: 60.53 ng
RT: 8.24 min Scan# 626
Delta R.T. 0.00 min
Lab File: BF075566.D
Acq: 16 Nov 2014 3:04

Instrument :
BNA_F
ClientSampleId :
SB-2(4-5)

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	209190		
128	41.1	37.8	56.6	
54	64.7	49.8	74.8	

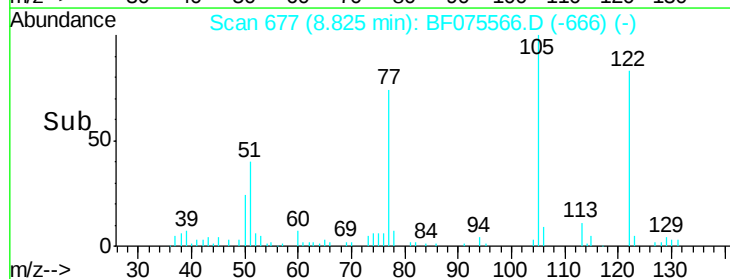
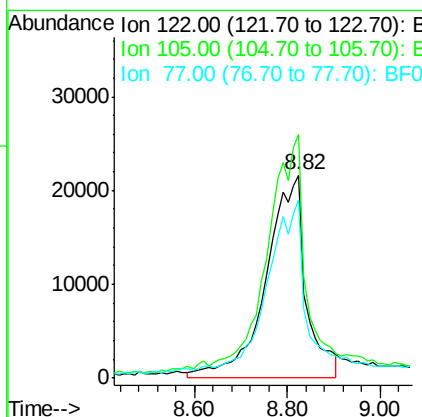
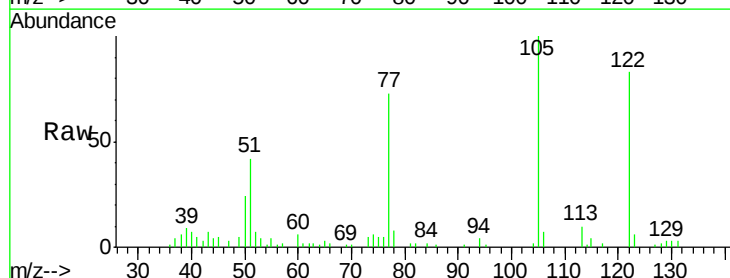
Manual Integrations
APPROVED

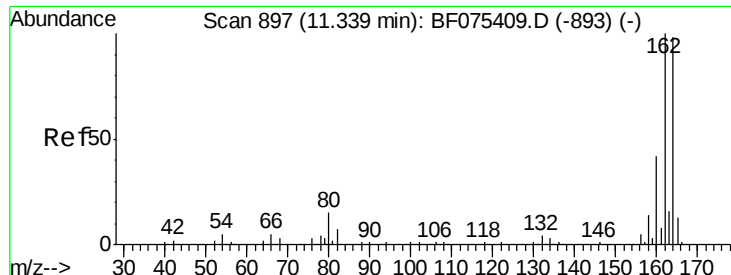
mohammad
11/17/2014 7:38:48 PM



#32
Benzoic acid
Concen: 61.08 ng m
RT: 8.82 min Scan# 677
Delta R.T. 0.02 min
Lab File: BF075566.D
Acq: 16 Nov 2014 3:04

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	130524		
105	120.1	95.1	135.1	
77	87.8	62.6	102.6	





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 11.32 min Scan# 895

Delta R.T. 0.00 min

Lab File: BF075566.D

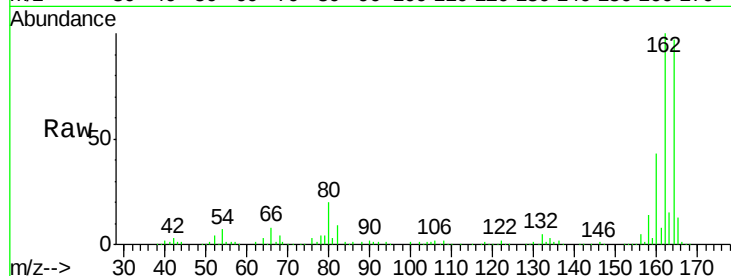
Acq: 16 Nov 2014 3:04

Instrument :

BNA_F

ClientSampleId :

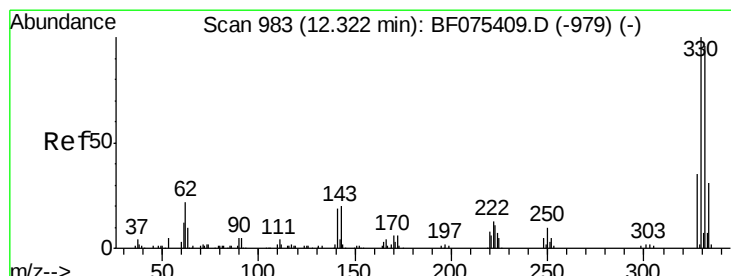
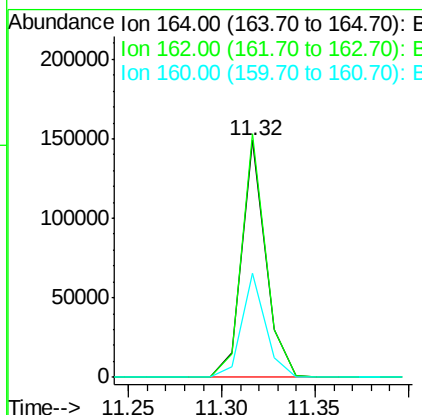
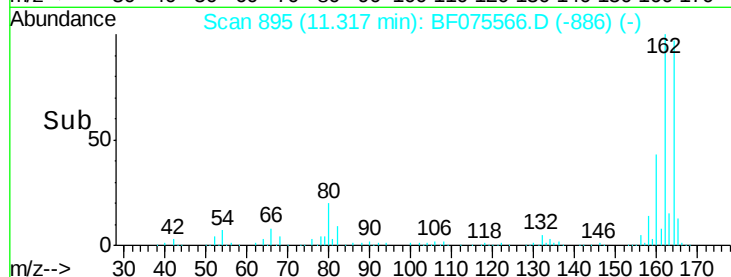
SB-2(4-5)



Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.7	79.1	118.7
160	43.9	34.6	51.8

Manual Integrations
APPROVED

mohammad
11/17/2014 7:38:48 PM



#41

2,4,6-Tribromophenol

Concen: 81.89 ng

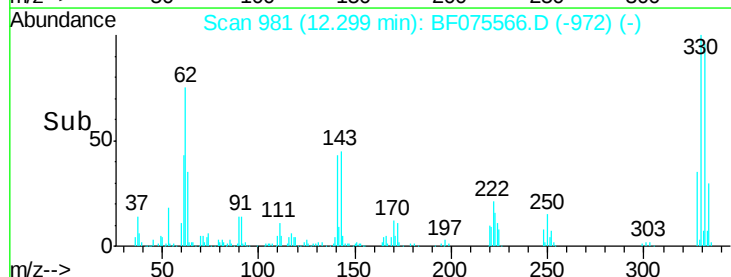
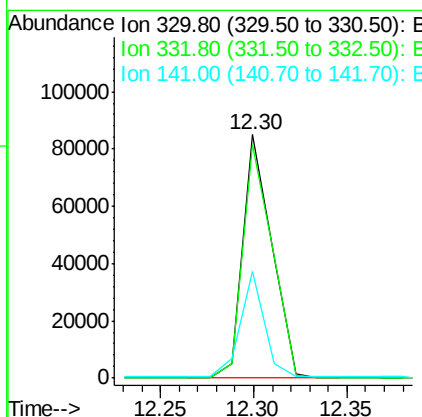
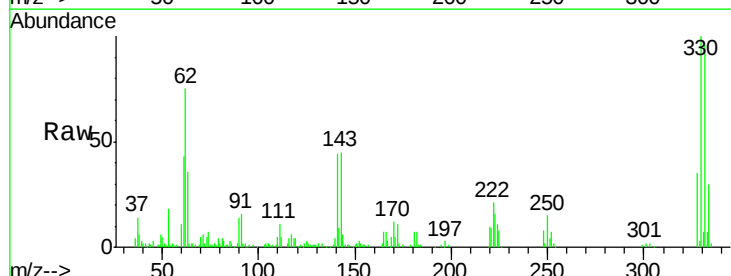
RT: 12.30 min Scan# 981

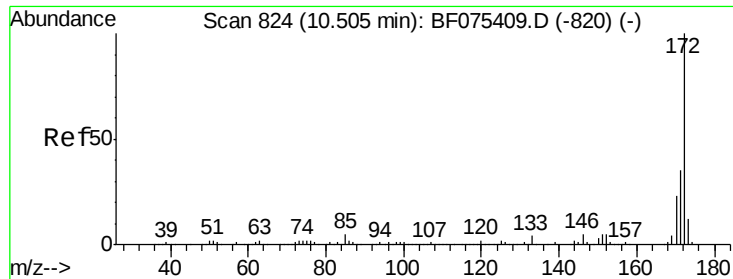
Delta R.T. 0.00 min

Lab File: BF075566.D

Acq: 16 Nov 2014 3:04

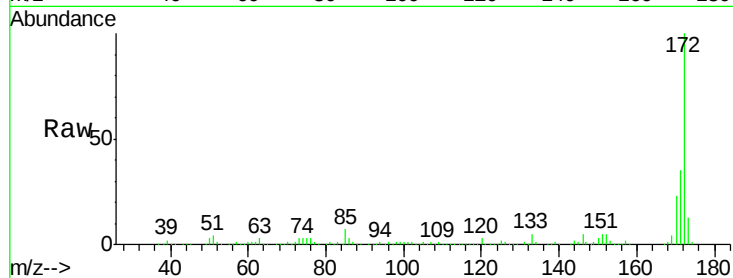
Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.8	74.5	111.7
141	36.0	30.7	46.1





#44
 2-Fluorobiphenyl
 Concen: 61.39 ng
 RT: 10.48 min Scan# 822
 Delta R.T. 0.00 min
 Lab File: BF075566.D
 Acq: 16 Nov 2014 3:04

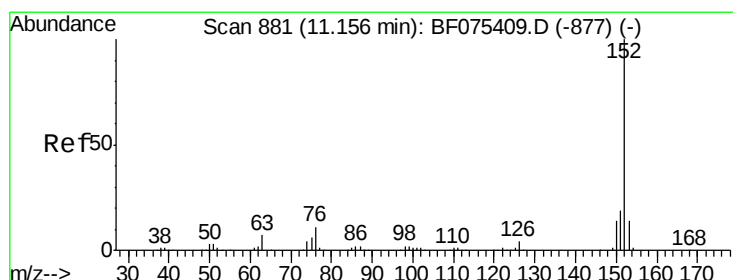
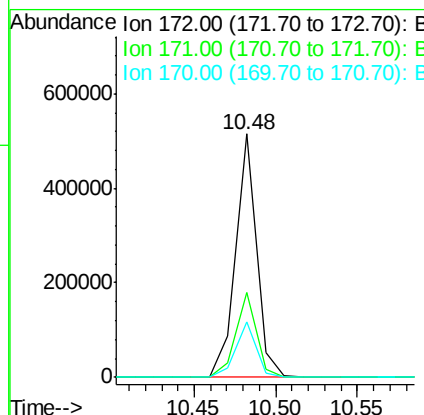
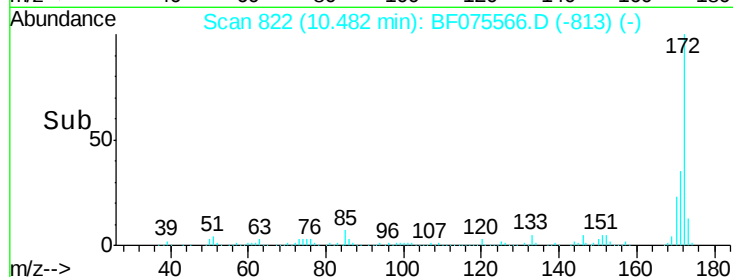
Instrument :
 BNA_F
 ClientSampleId :
 SB-2(4-5)



Tgt	Ion	Ratio	Resp	Lower	Upper
172	100		453497		
171	34.6	27.3		40.9	
170	22.9	18.4		27.6	

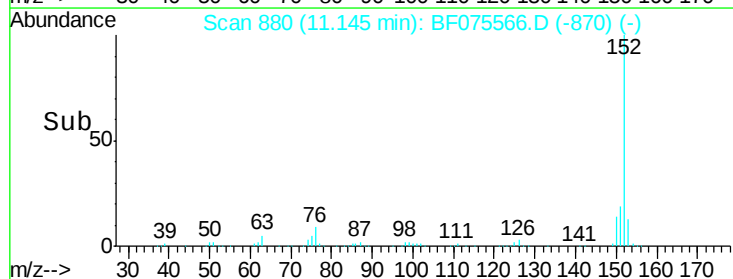
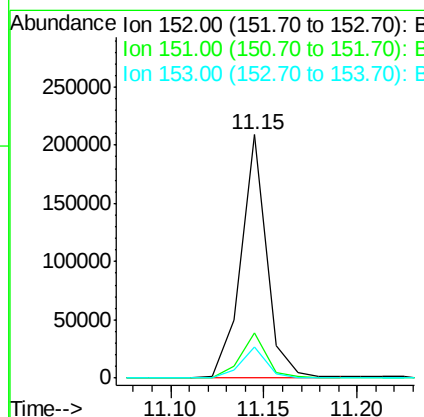
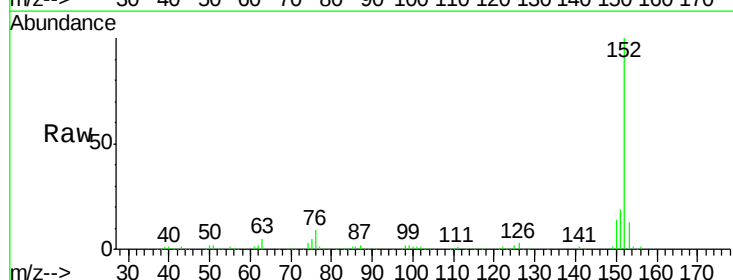
Manual Integrations
 APPROVED

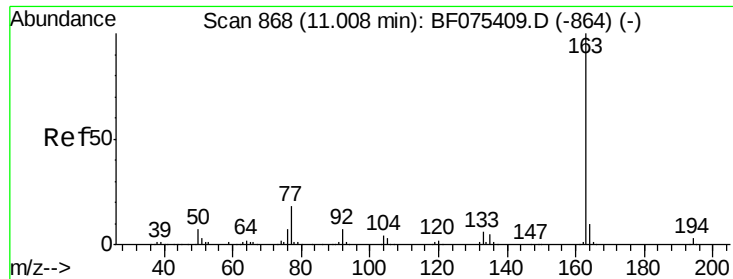
mohammad
 11/17/2014 7:38:48 PM



#48
 Acenaphthylene
 Concen: 17.44 ng
 RT: 11.15 min Scan# 880
 Delta R.T. 0.01 min
 Lab File: BF075566.D
 Acq: 16 Nov 2014 3:04

Tgt	Ion	Ratio	Resp	Lower	Upper
152	100		202452		
151	18.8	15.4		23.2	
153	13.0	10.0		15.0	





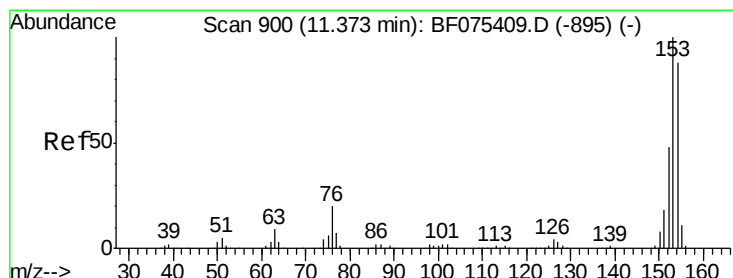
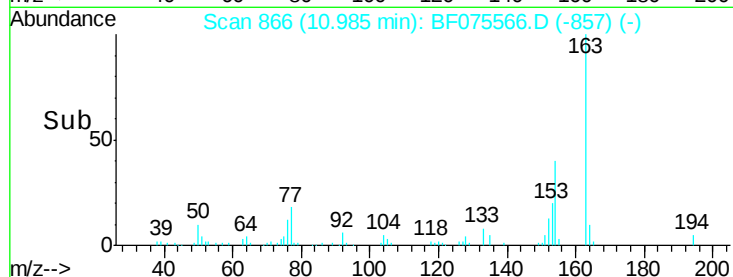
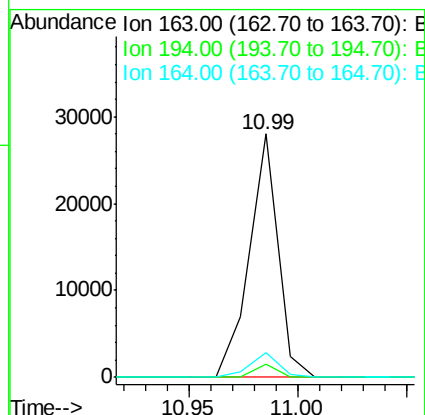
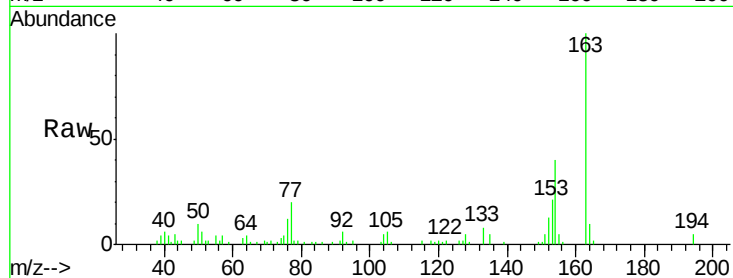
#49
Dimethylphthalate
Concen: 2.81 ng
RT: 10.99 min Scan# 866
Delta R.T. 0.00 min
Lab File: BF075566.D
Acq: 16 Nov 2014 3:04

Instrument :
BNA_F
ClientSampleId :
SB-2(4-5)

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	25659		
194	5.2	2.7	4.1#	
164	10.4	8.0	12.0	

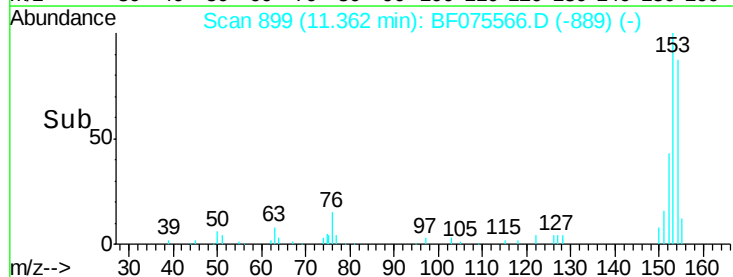
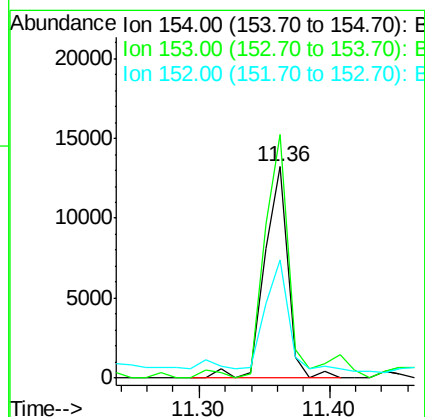
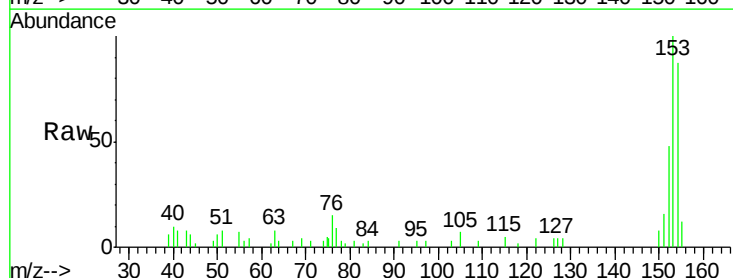
Manual Integrations
APPROVED

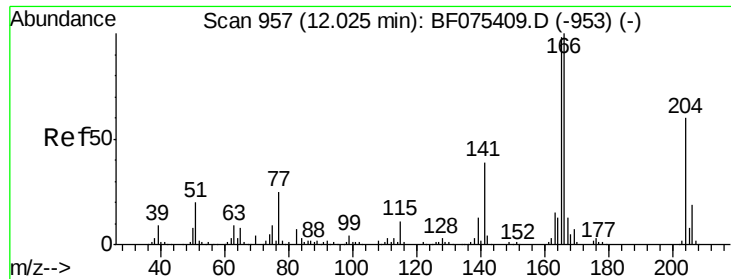
mohammad
11/17/2014 7:38:48 PM



#51
Acenaphthene
Concen: 2.35 ng
RT: 11.36 min Scan# 899
Delta R.T. 0.01 min
Lab File: BF075566.D
Acq: 16 Nov 2014 3:04

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	16455		
153	115.3	91.2	136.8	
152	55.7	43.4	65.0	





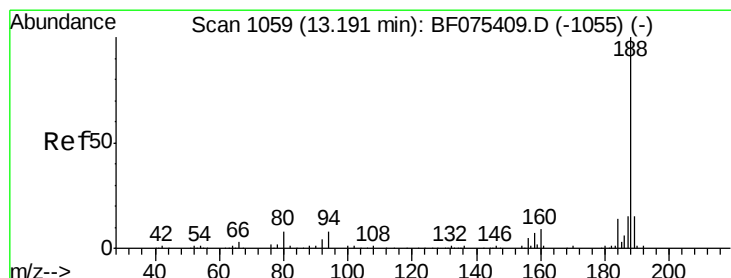
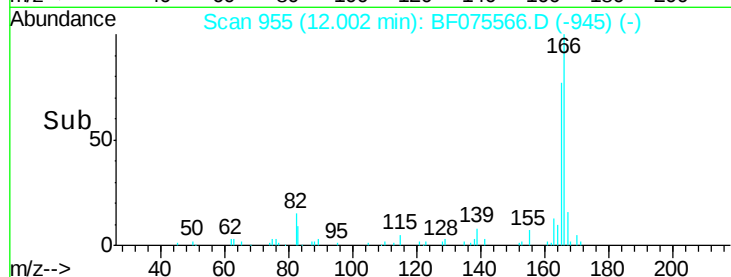
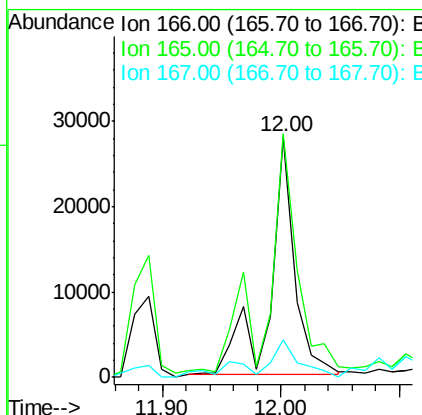
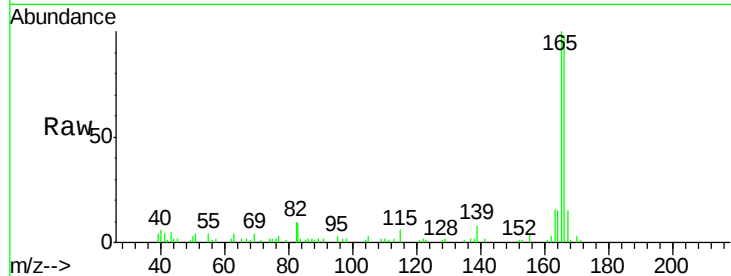
#57
Fluorene
 Concen: 4.94 ng
 RT: 12.00 min Scan# 955
 Delta R.T. 0.01 min
 Lab File: BF075566.D
 Acq: 16 Nov 2014 3:04

Instrument :
 BNA_F
 ClientSampleId :
 SB-2(4-5)

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	40022		
165	101.5	78.8	118.2	
167	15.7	10.6	15.8	

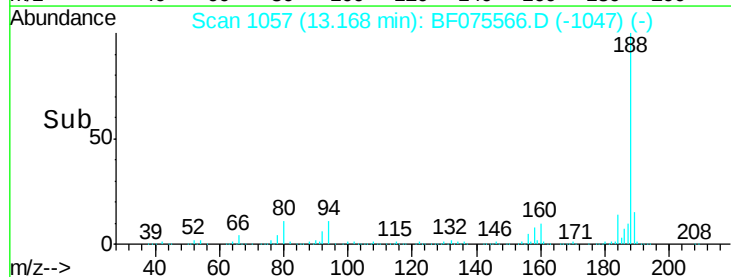
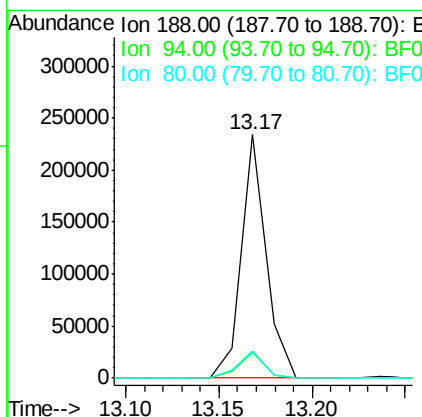
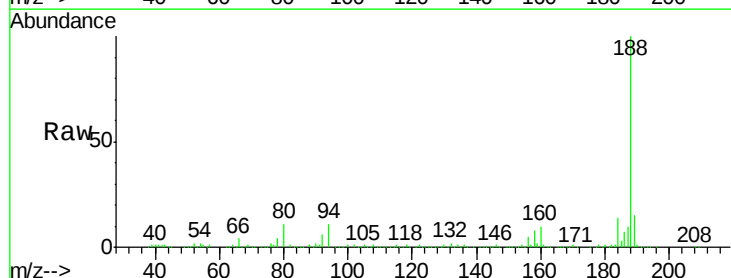
Manual Integrations
 APPROVED

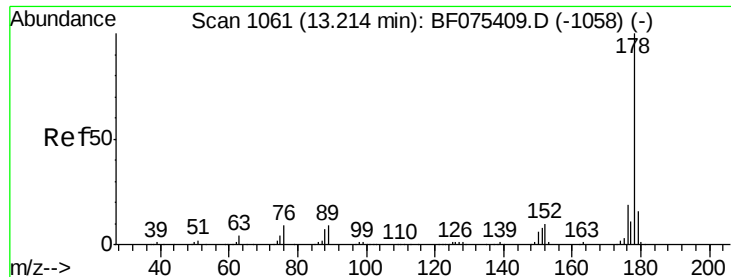
mohammad
 11/17/2014 7:38:48 PM



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 13.17 min Scan# 1057
 Delta R.T. 0.01 min
 Lab File: BF075566.D
 Acq: 16 Nov 2014 3:04

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	216978		
94	10.9	7.8	11.6	
80	11.3	8.0	12.0	





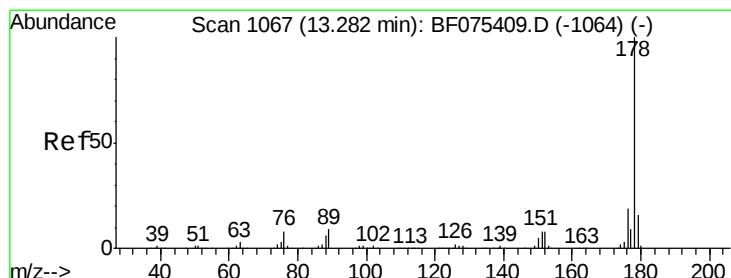
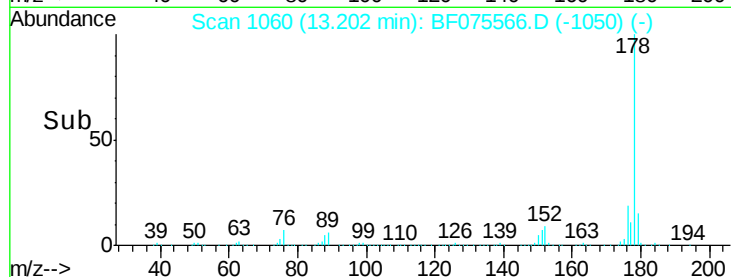
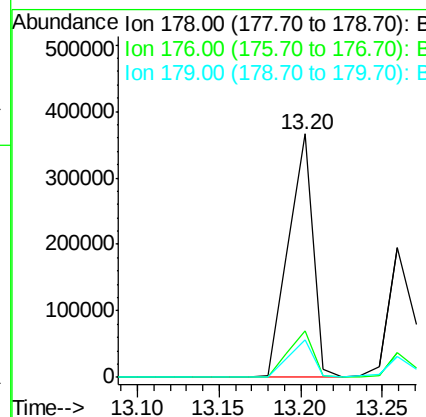
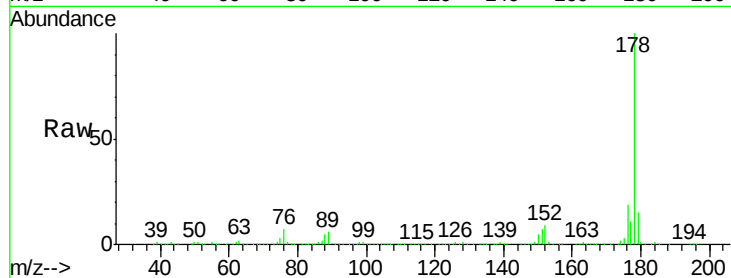
#70
Phenanthrene
Concen: 33.73 ng
RT: 13.20 min Scan# 1060
Delta R.T. 0.01 min
Lab File: BF075566.D
Acq: 16 Nov 2014 3:04

Instrument :
BNA_F
ClientSampleId :
SB-2(4-5)

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.3	22.9
179	15.2	12.2	18.4

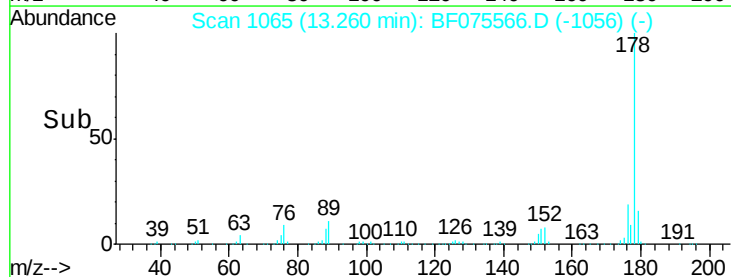
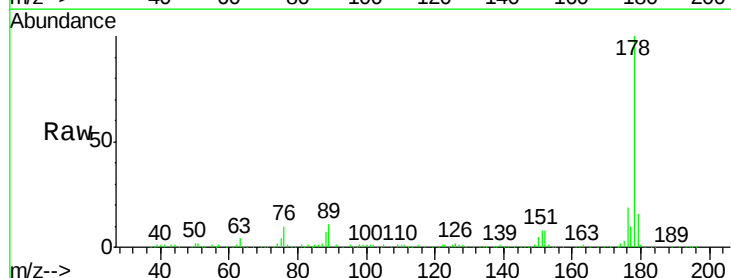
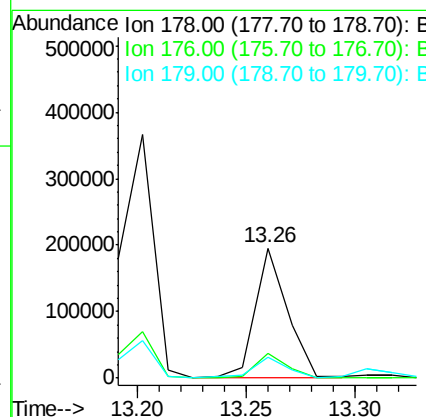
Manual Integrations
APPROVED

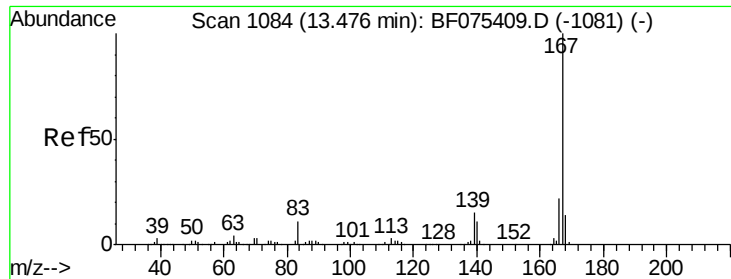
mohammad
11/17/2014 7:38:48 PM



#71
Anthracene
Concen: 16.83 ng
RT: 13.26 min Scan# 1065
Delta R.T. 0.00 min
Lab File: BF075566.D
Acq: 16 Nov 2014 3:04

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.1	22.7
179	15.9	12.2	18.2





#72

Carbazole

Concen: 2.69 ng

RT: 13.47 min Scan# 1083

Delta R.T. 0.01 min

Lab File: BF075566.D

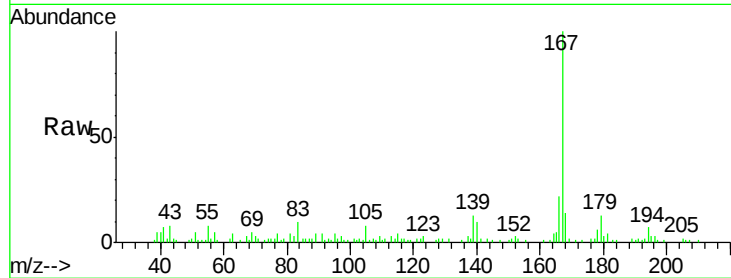
Acq: 16 Nov 2014 3:04

Instrument :

BNA_F

ClientSampleId :

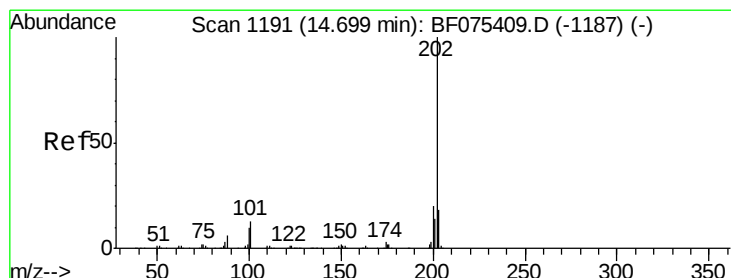
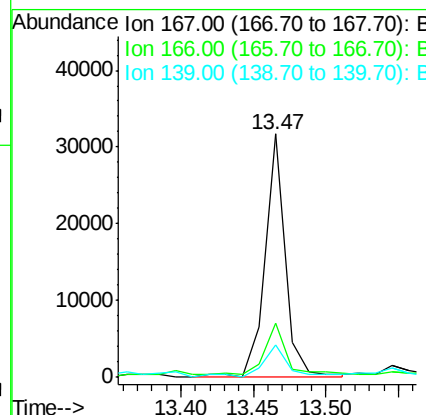
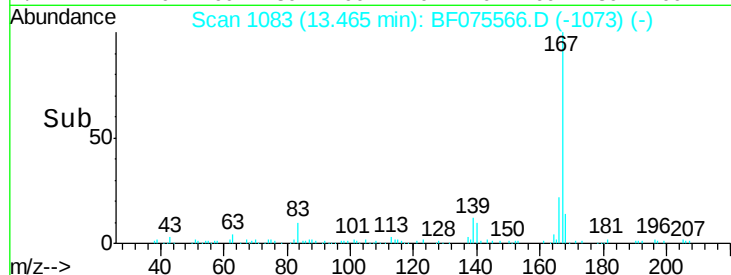
SB-2(4-5)



Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.4	26.0
139	13.2	10.1	15.1

Manual Integrations
APPROVED

mohammad
11/17/2014 7:38:48 PM



#74

Fluoranthene

Concen: 68.51 ng

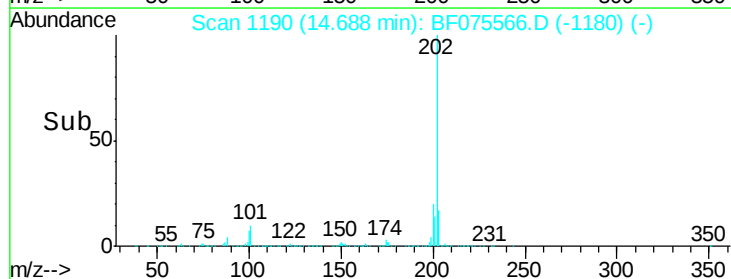
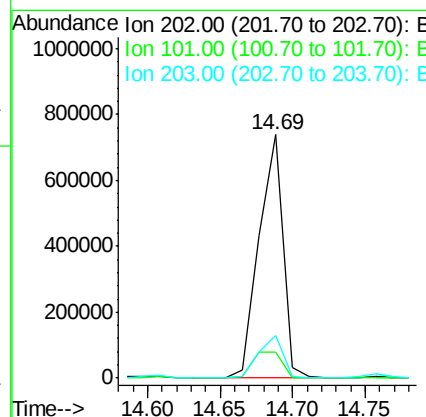
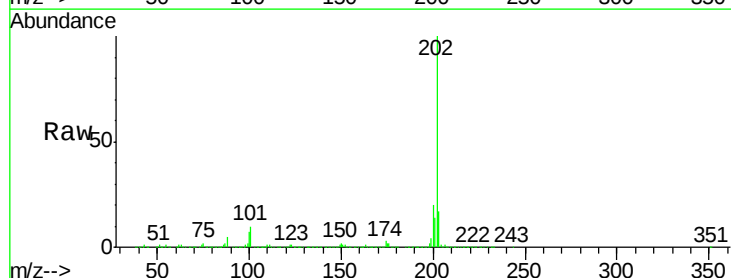
RT: 14.69 min Scan# 1190

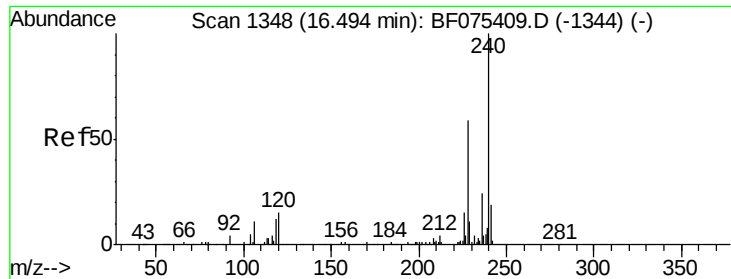
Delta R.T. 0.01 min

Lab File: BF075566.D

Acq: 16 Nov 2014 3:04

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	36.6
203	17.4	0.0	38.2





#75

Chrysene-d12

Concen: 20.00 ng

RT: 16.47 min Scan# 1346

Delta R.T. 0.00 min

Lab File: BF075566.D

Acq: 16 Nov 2014 3:04

Instrument :

BNA_F

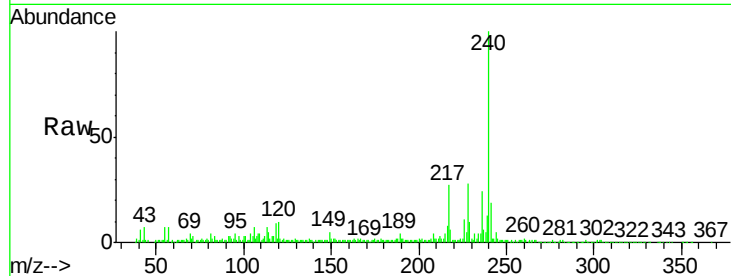
ClientSampleId :

SB-2(4-5)

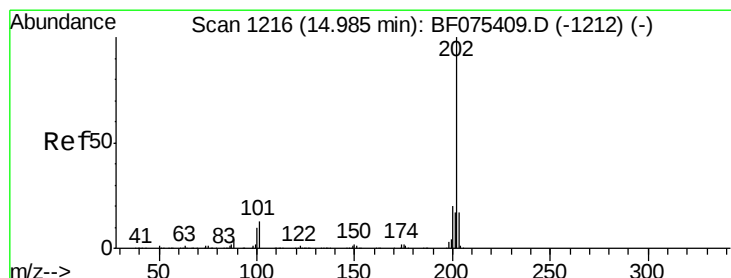
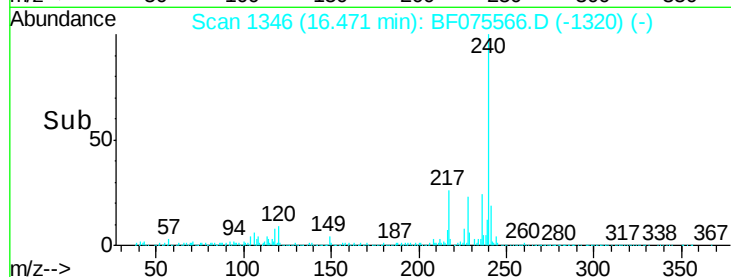
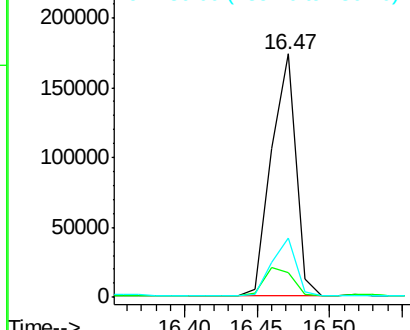
Tgt Ion:	240	Resp:	205301
Ion Ratio	Lower	Upper	
240	100		
120	10.1	9.6	14.4
236	24.3	18.9	28.3

Manual Integrations
APPROVED

mohammad
11/17/2014 7:38:48 PM



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



#77

Pyrene

Concen: 68.39 ng

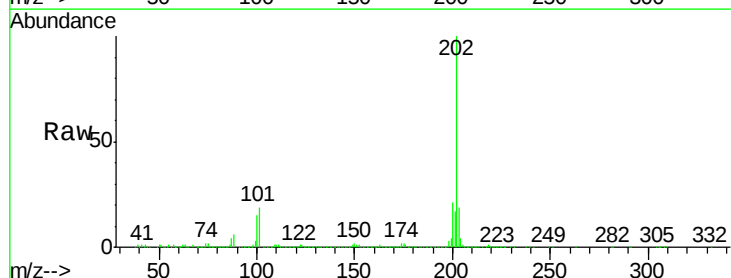
RT: 14.96 min Scan# 1214

Delta R.T. 0.01 min

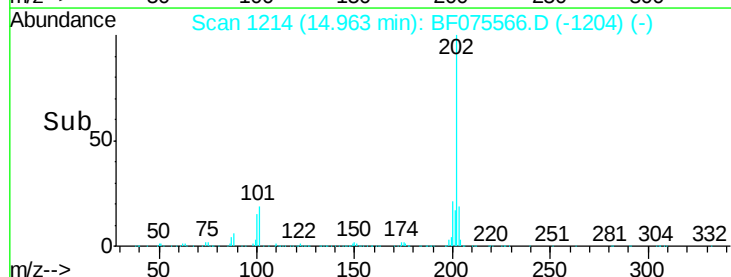
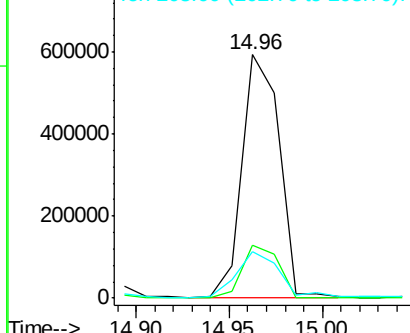
Lab File: BF075566.D

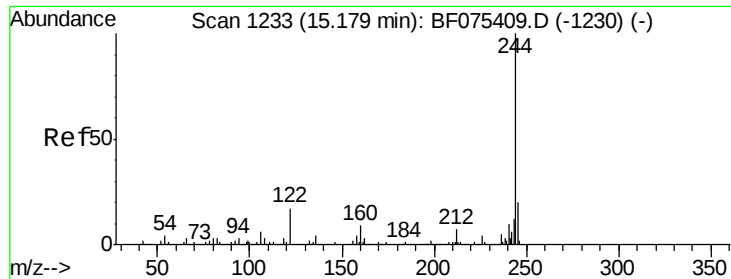
Acq: 16 Nov 2014 3:04

Tgt Ion:	202	Resp:	816227
Ion Ratio	Lower	Upper	
202	100		
200	21.5	16.8	25.2
203	19.2	14.3	21.5



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





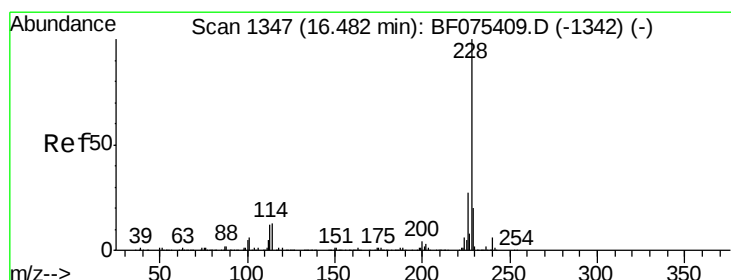
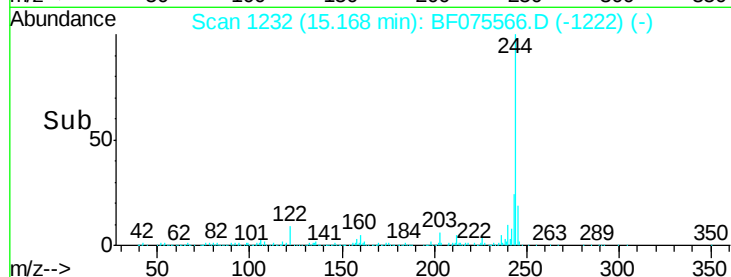
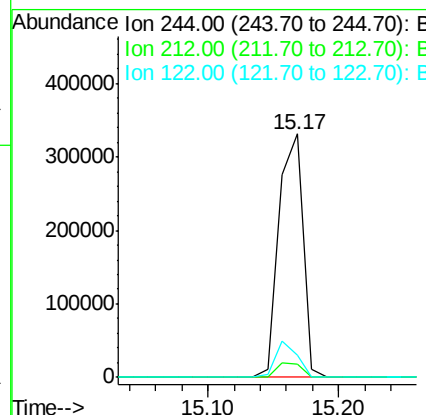
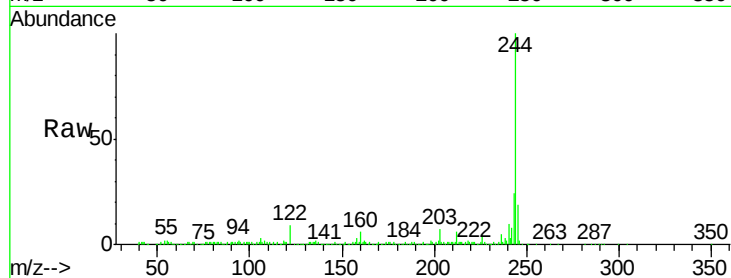
#78
 Terphenyl-d14
 Concen: 56.74 ng
 RT: 15.17 min Scan# 1232
 Delta R.T. 0.01 min
 Lab File: BF075566.D
 Acq: 16 Nov 2014 3:04

Instrument :
 BNA_F
 ClientSampleId :
 SB-2(4-5)

Tgt Ion	Ratio	Lower	Upper
244	100		
212	5.6	5.5	8.3
122	9.1	9.7	14.5

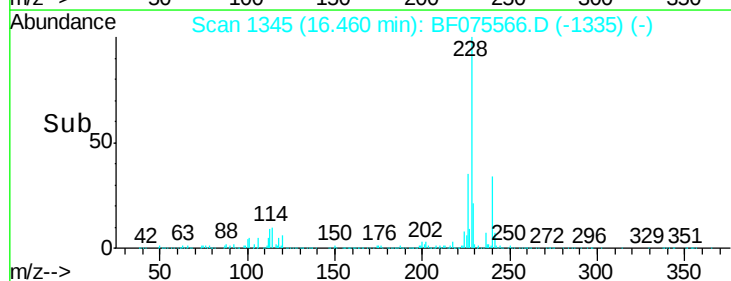
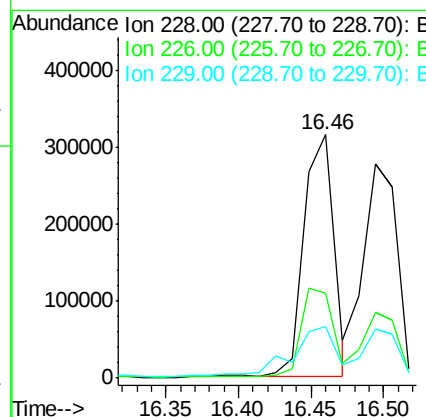
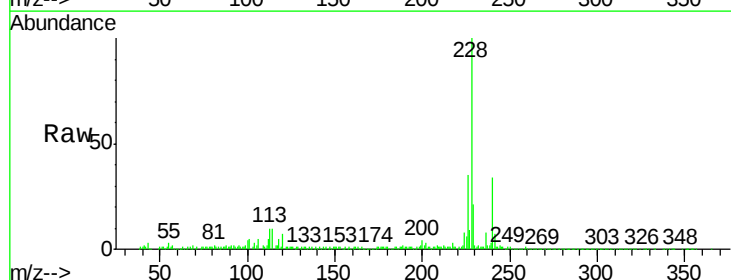
Manual Integrations
 APPROVED

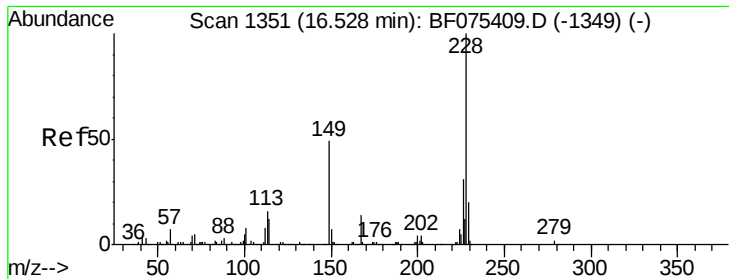
mohammad
 11/17/2014 7:38:48 PM



#80
 Benzo(a)anthracene
 Concen: 42.05 ng
 RT: 16.46 min Scan# 1345
 Delta R.T. 0.01 min
 Lab File: BF075566.D
 Acq: 16 Nov 2014 3:04

Tgt Ion	Ratio	Lower	Upper
228	100		
226	35.0	21.8	32.8
229	21.2	15.3	22.9





#82

Chrysene

Concen: 46.78 ng

RT: 16.49 min Scan# 1348

Delta R.T. 0.00 min

Lab File: BF075566.D

Acq: 16 Nov 2014 3:04

Instrument :

BNA_F

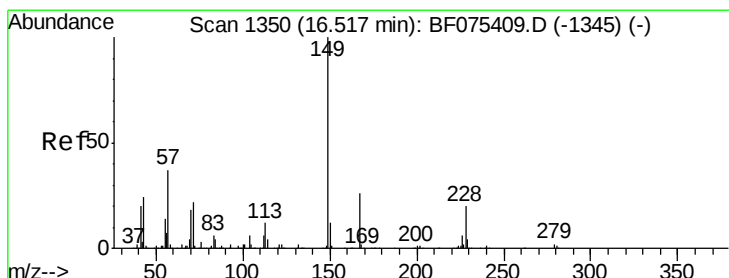
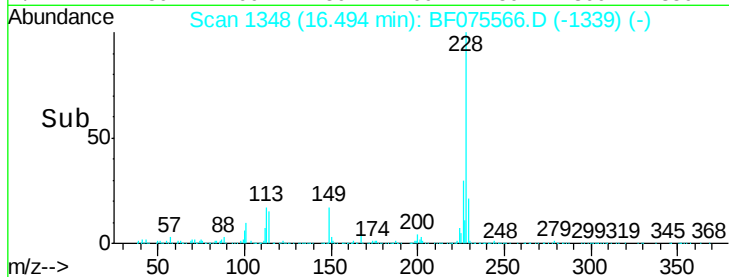
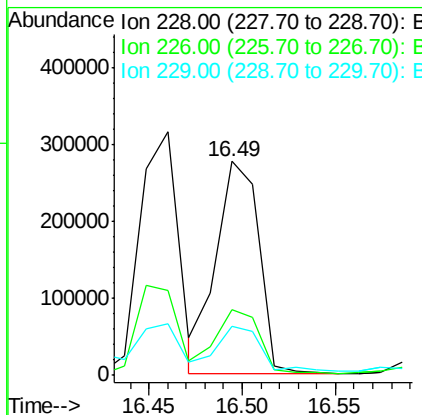
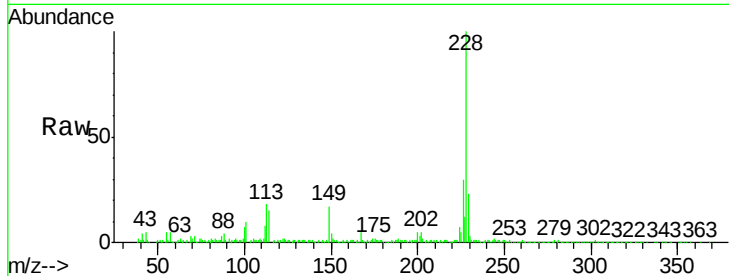
ClientSampleId :

SB-2(4-5)

Tgt Ion:	228	Resp:	436359
Ion Ratio	Lower	Upper	
228	100		
226	30.5	23.8	35.6
229	23.0	15.8	23.6

Manual Integrations
APPROVED

mohammad
11/17/2014 7:38:48 PM



#83

Bis(2-ethylhexyl)phthalate

Concen: 10.31 ng

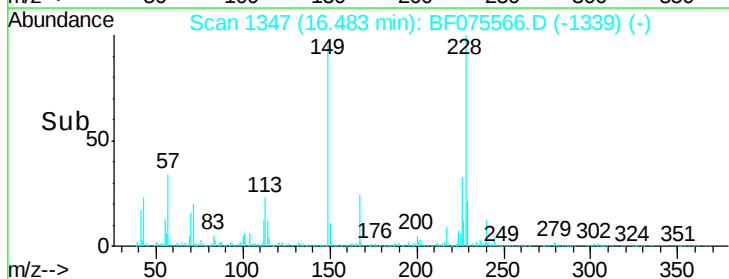
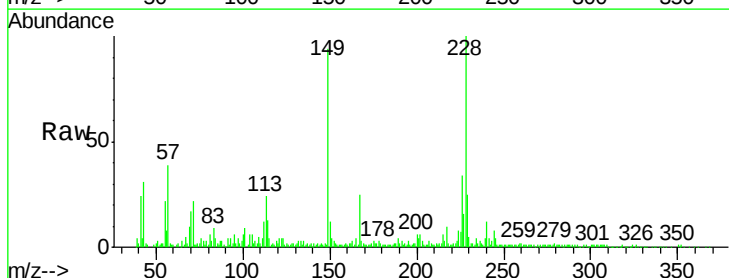
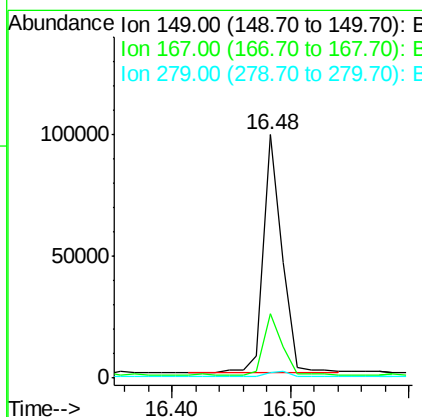
RT: 16.48 min Scan# 1347

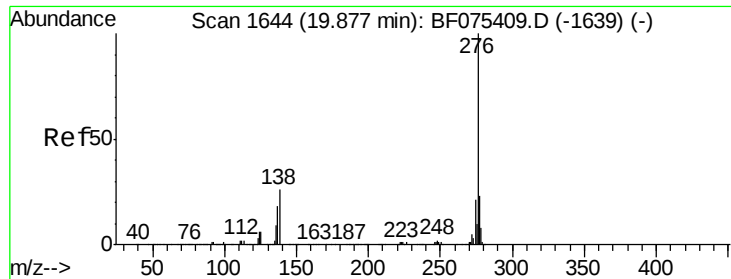
Delta R.T. -0.01 min

Lab File: BF075566.D

Acq: 16 Nov 2014 3:04

Tgt Ion:	149	Resp:	108896
Ion Ratio	Lower	Upper	
149	100		
167	26.2	21.4	32.2
279	2.5	2.8	4.2#





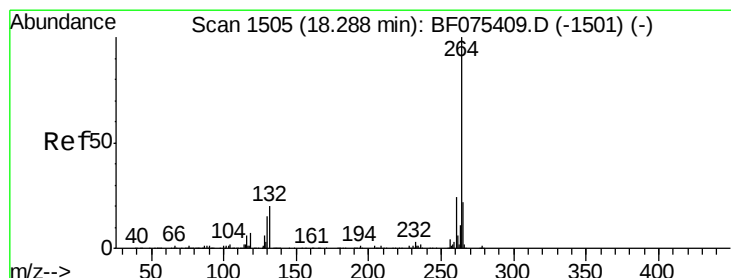
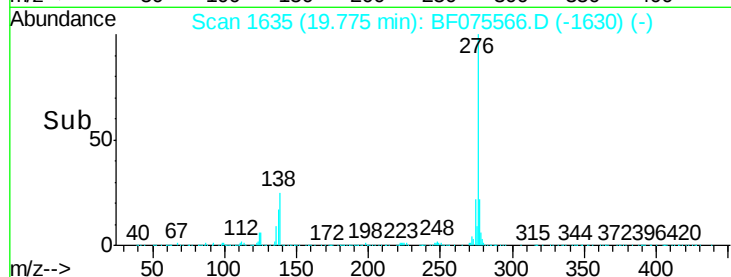
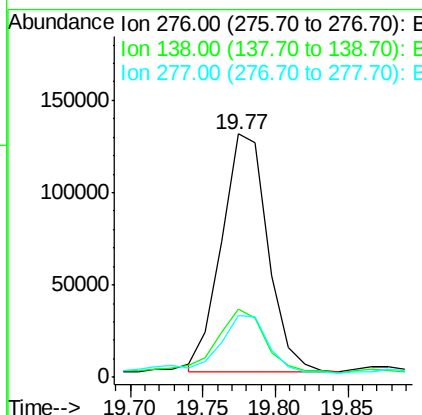
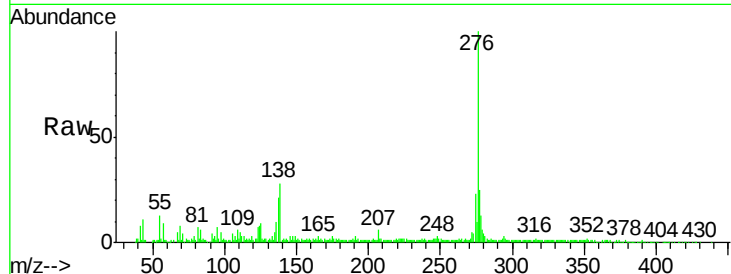
#85
Indeno(1,2,3-cd)pyrene
Concen: 25.02 ng
RT: 19.77 min Scan# 1635
Delta R.T. -0.05 min
Lab File: BF075566.D
Acq: 16 Nov 2014 3:04

Instrument :
BNA_F
ClientSampleId :
SB-2(4-5)

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	26.9	0.0	0.0#
277	24.0	0.0	0.0#

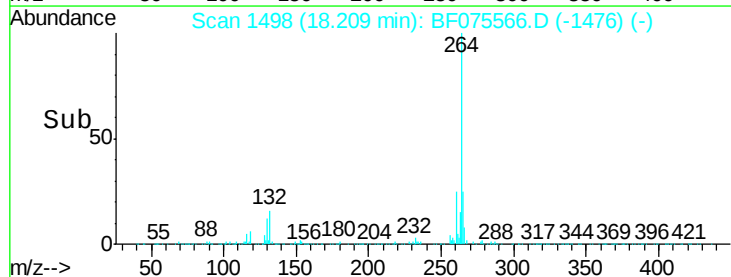
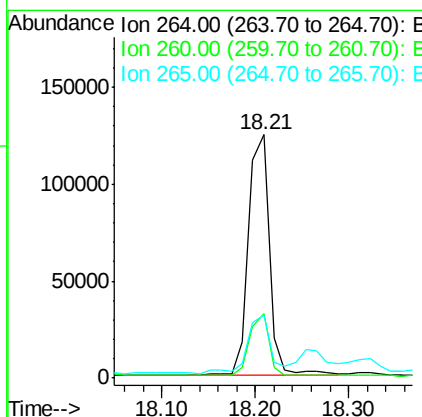
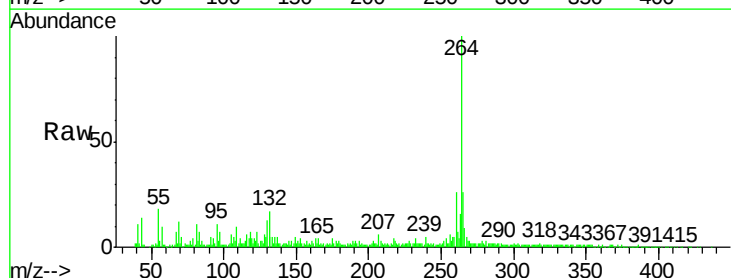
Manual Integrations
APPROVED

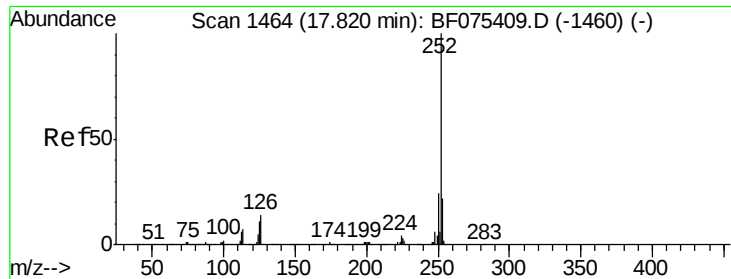
mohammad
11/17/2014 7:38:48 PM



#86
Perylene-d12
Concen: 20.00 ng
RT: 18.21 min Scan# 1498
Delta R.T. -0.05 min
Lab File: BF075566.D
Acq: 16 Nov 2014 3:04

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	26.2	17.9	26.9
265	26.2	16.3	24.5#





#87

Benzo(b)fluoranthene

Concen: 58.92 ng m

RT: 17.74 min Scan# 1457

Delta R.T. -0.05 min

Lab File: BF075566.D

Acq: 16 Nov 2014 3:04

Instrument :

BNA_F

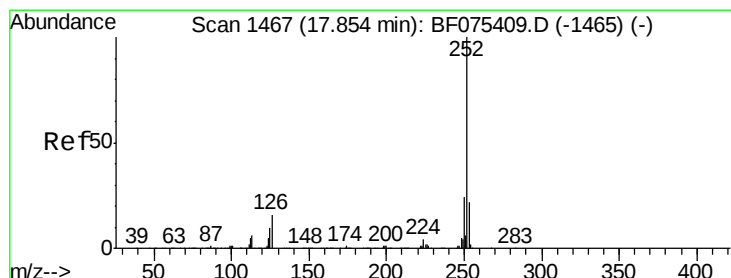
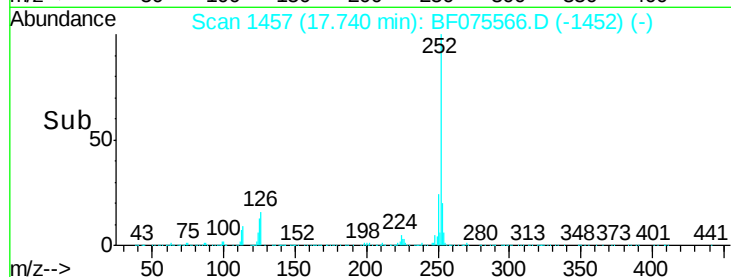
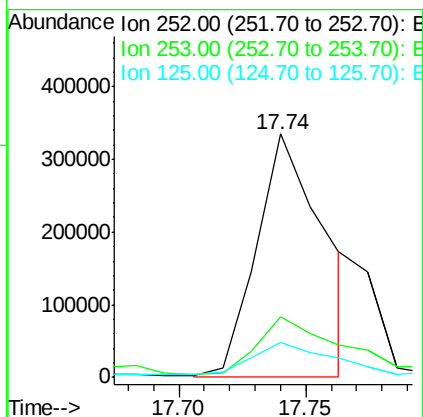
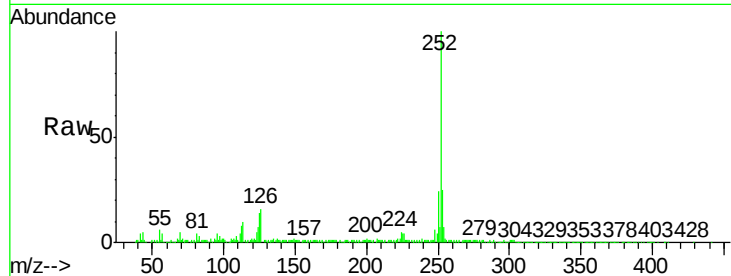
ClientSampleId :

SB-2(4-5)

Tgt Ion:	252	Resp:	618496
Ion Ratio	Lower	Upper	
252	100		
253	24.8	17.7	26.5
125	14.2	11.8	17.6

Manual Integrations
APPROVED

mohammad
11/17/2014 7:38:48 PM



#88

Benzo(k)fluoranthene

Concen: 12.35 ng m

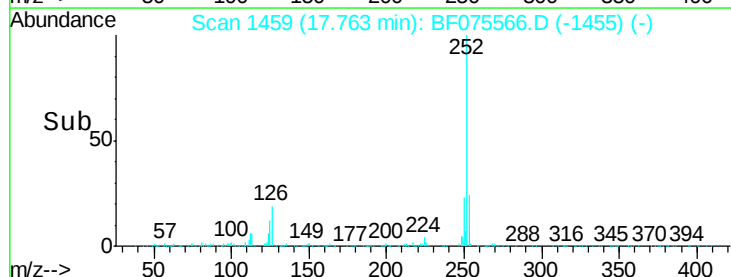
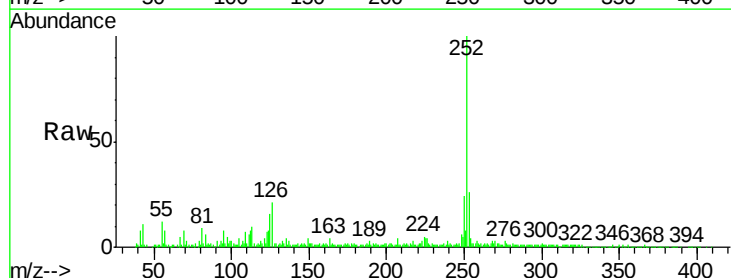
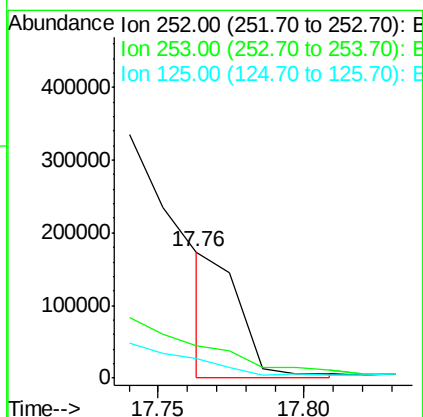
RT: 17.76 min Scan# 1459

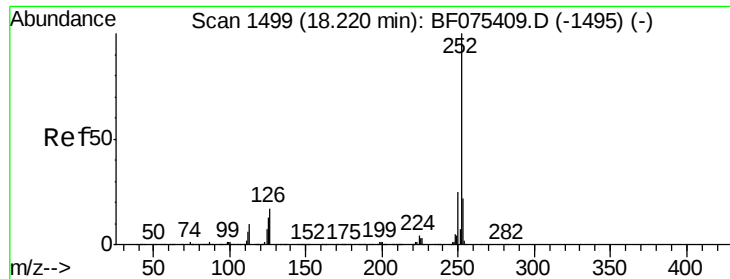
Delta R.T. -0.06 min

Lab File: BF075566.D

Acq: 16 Nov 2014 3:04

Tgt Ion:	252	Resp:	116319
Ion Ratio	Lower	Upper	
252	100		
253	26.2	18.1	27.1
125	15.6	11.6	17.4





#89

Benzo(a)pyrene

Concen: 44.63 ng

RT: 18.14 min Scan# 1492

Delta R.T. -0.05 min

Lab File: BF075566.D

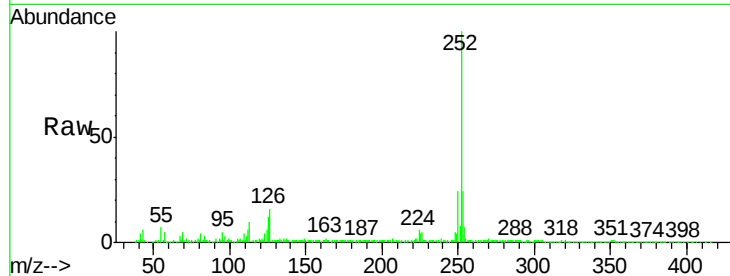
Acq: 16 Nov 2014 3:04

Instrument :

BNA_F

ClientSampleId :

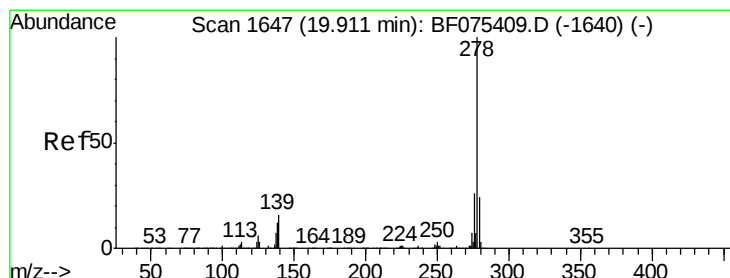
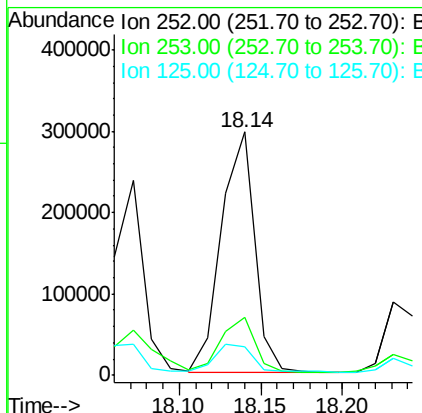
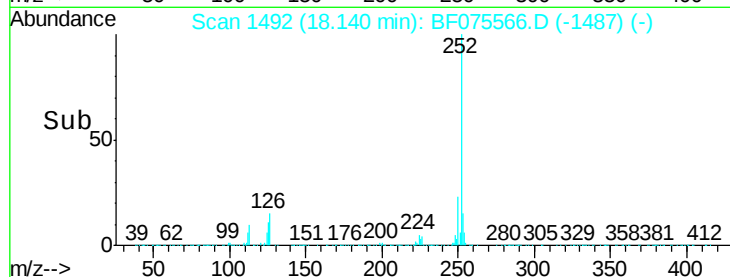
SB-2(4-5)



Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.1	25.7
125	11.8	12.2	18.4#

Manual Integrations
APPROVED

mohammad
11/17/2014 7:38:48 PM



#90

Dibenzo(a,h)anthracene

Concen: 7.71 ng

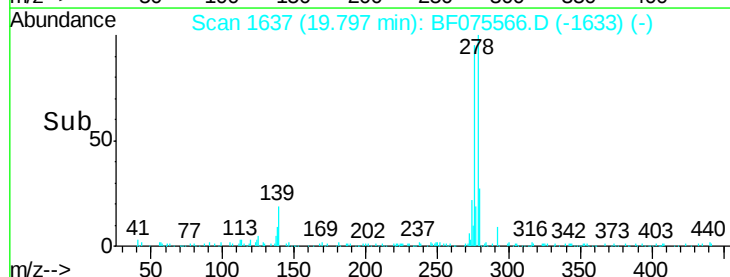
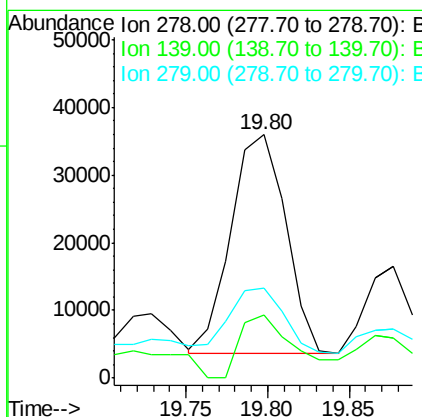
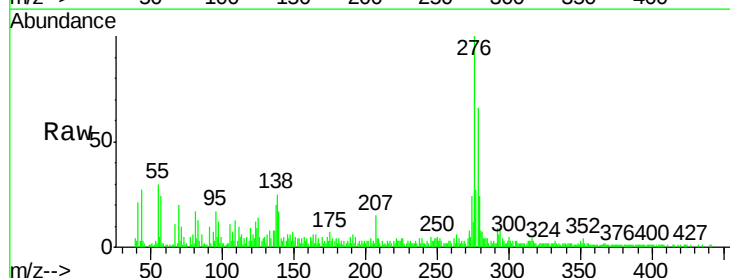
RT: 19.80 min Scan# 1637

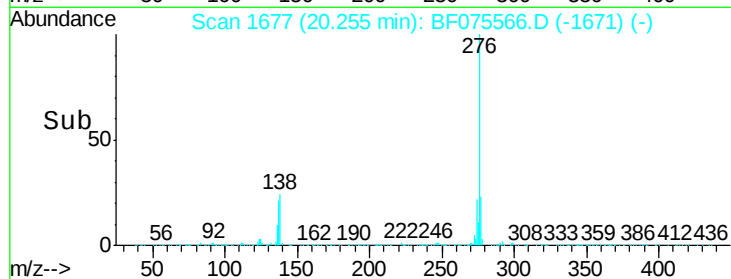
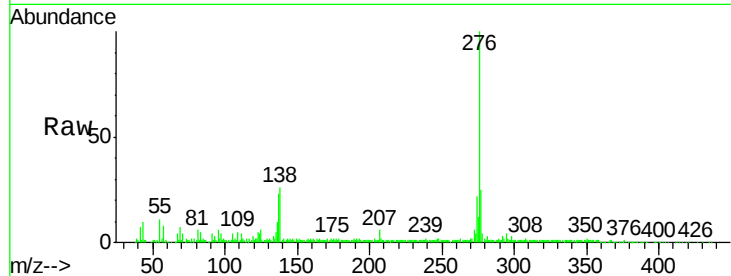
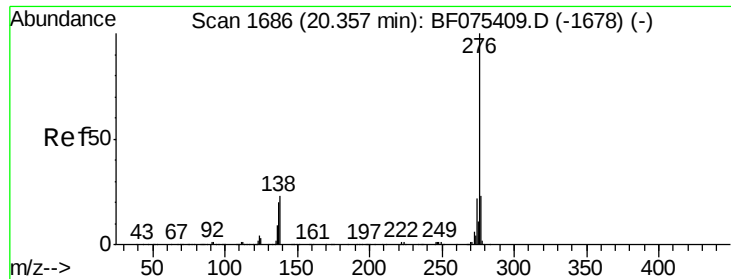
Delta R.T. -0.06 min

Lab File: BF075566.D

Acq: 16 Nov 2014 3:04

Tgt Ion	Ratio	Lower	Upper
278	100		
139	25.9	13.6	20.4#
279	37.0	19.4	29.0#





#91

Benzo(g,h,i)perylene

Concen: 35.65 ng m

RT: 20.25 min Scan# 1677

Delta R.T. -0.03 min

Lab File: BF075566.D

Acq: 16 Nov 2014 3:04

Instrument :

BNA_F

ClientSampleId :

SB-2(4-5)

Tgt Ion:	276	Resp:	333102
Ion Ratio	Lower	Upper	
276	100		
277	24.6	17.8	26.8
138	26.0	22.8	34.2

Manual Integrations
APPROVED

mohammad
11/17/2014 7:38:48 PM

