

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
 Data File : BF092523.D
 Acq On : 26 Jan 2017 14:05
 Operator : SJ/MA
 Sample : I1386-04 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHA-SB-101-0-2

Manual Integrations
 APPROVED

mohammad
 1/27/2017 3:02:23 PM

Quant Time: Jan 27 00:32:47 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 24 13:48:07 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	139313	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	507220	20.00	ng	-0.01
38) Acenaphthene-d10	10.02	164	236404	20.00	ng	-0.01
63) Phenanthrene-d10	11.52	188	357559	20.00	ng	-0.01
75) Chrysene-d12	14.16	240	294466	20.00	ng	-0.01
86) Perylene-d12	15.64	264	214465	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	569929	63.65	ng	0.01
7) Phenol-d6	6.59	99	750020	65.76	ng	0.00
23) Nitrobenzene-d5	7.53	82	378506	40.76	ng	-0.01
41) 2,4,6-Tribromophenol	10.81	330	88294	54.81	ng	-0.01
44) 2-Fluorobiphenyl	9.34	172	698100	54.61	ng	-0.01
78) Terphenyl-d14	13.11	244	509303	46.06	ng	-0.01
Target Compounds						
10) Phenol	6.60	94	37348	2.71	ng	Qvalue # 65
49) Dimethylphthalate	9.73	163	37628	2.50	ng	100
70) Phenanthrene	11.54	178	96109	4.88	ng	97
74) Fluoranthene	12.73	202	223545	11.61	ng	93
77) Pyrene	12.96	202	203047	9.52	ng	98
80) Benzo(a)anthracene	14.15	228	78778	4.98	ng	95
82) Chrysene	14.18	228	91730m	5.43	ng	
85) Indeno(1,2,3-cd)pyrene	17.13	276	30298	2.42	ng	# 82
87) Benzo(b)fluoranthene	15.21	252	77676m	5.64	ng	
88) Benzo(k)fluoranthene	15.23	252	30275m	2.64	ng	
89) Benzo(a)pyrene	15.57	252	50702	4.35	ng	# 63
91) Benzo(a,h,i)perylene	17.59	276	32673	3.43	ng	# 72

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

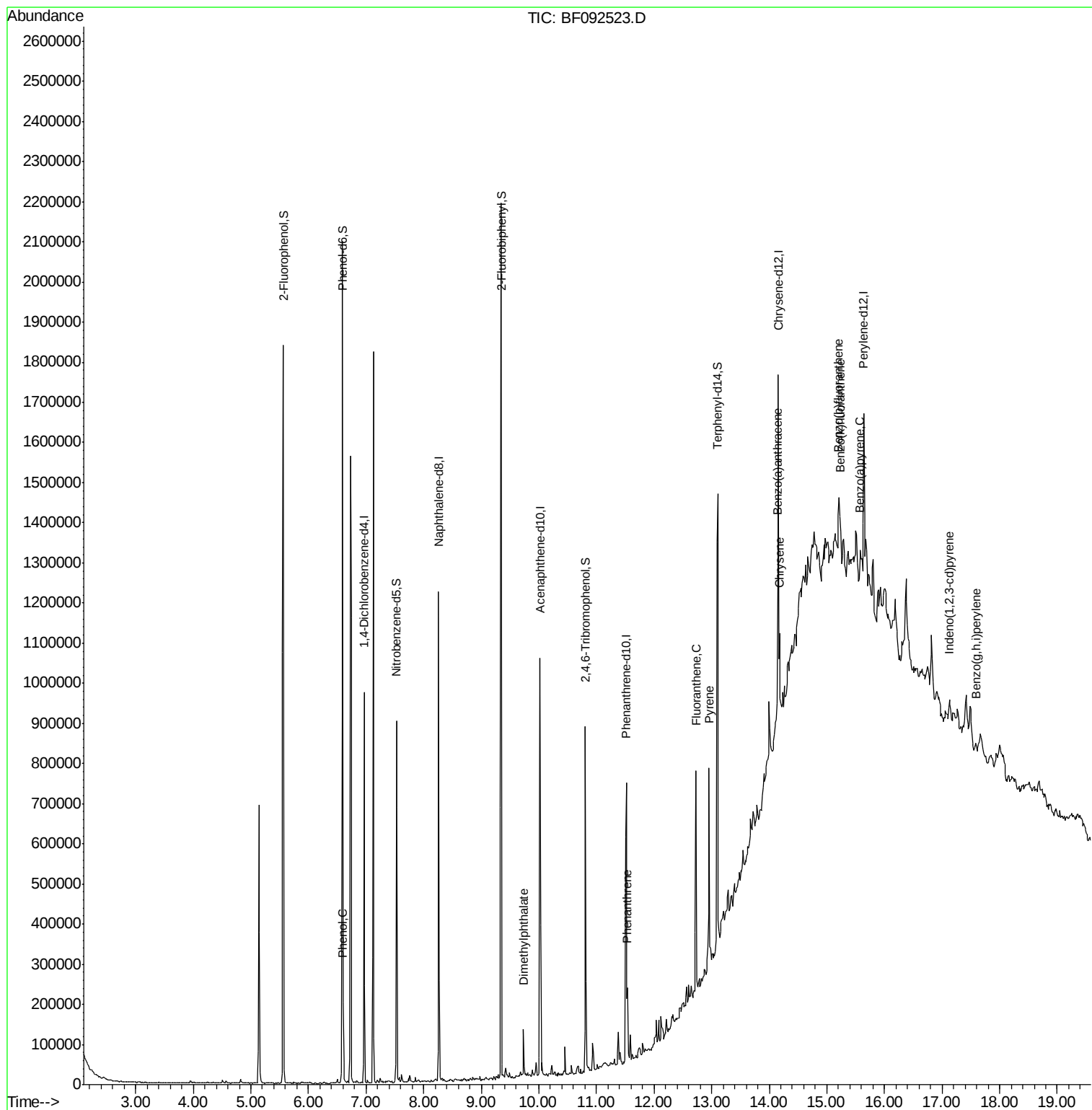
Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
Data File : BF092523.D
Acq On : 26 Jan 2017 14:05
Operator : SJ/MA
Sample : I1386-04 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

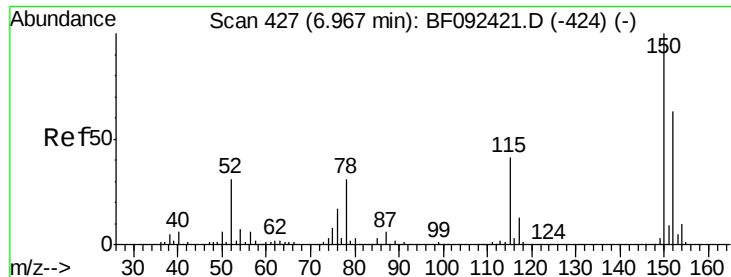
Instrument :
BNA_F
ClientSampleId :
CHA-SB-101-0-2

Manual Integrations
APPROVED

mohammad
1/27/2017 3:02:23 PM

Quant Time: Jan 27 00:32:47 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 24 13:48:07 2017
Response via : Initial Calibration





#1

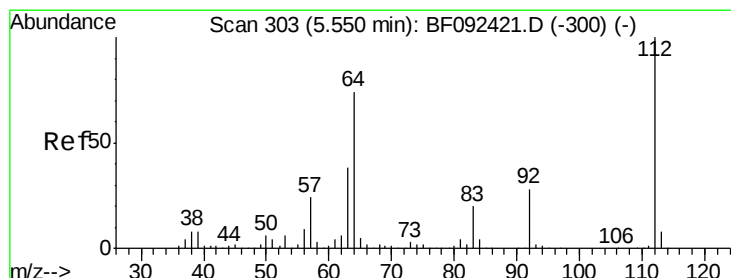
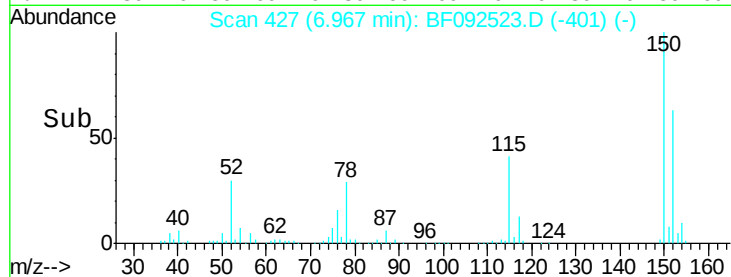
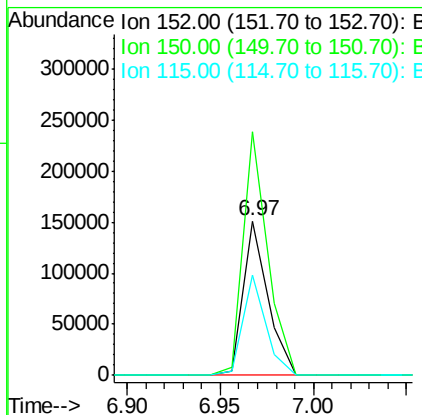
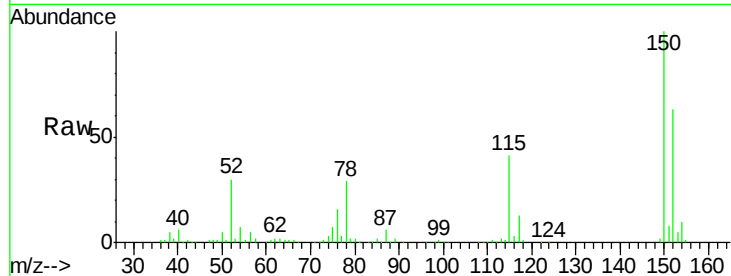
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.97 min Scan# 427
Delta R.T. 0.00 min
Lab File: BF092523.D
Acq: 26 Jan 2017 14:05

Instrument :
BNA_F
ClientSampleId :
CHA-SB-101-0-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.0	124.9	187.3
115	65.0	46.0	69.0

Manual Integrations
APPROVED

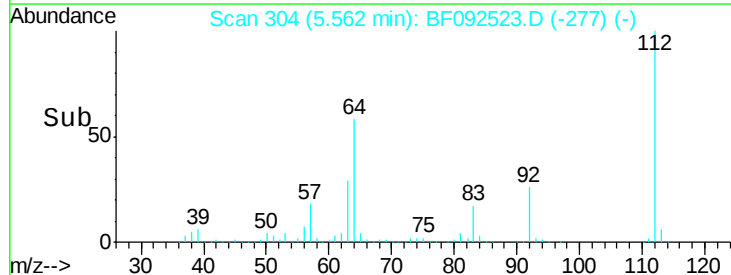
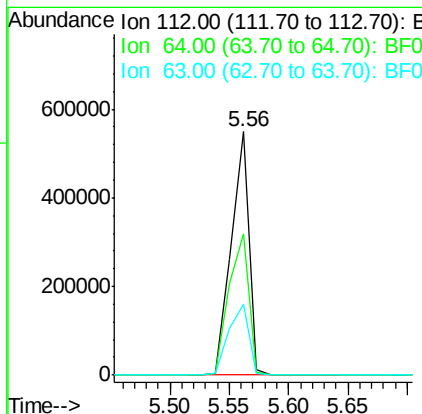
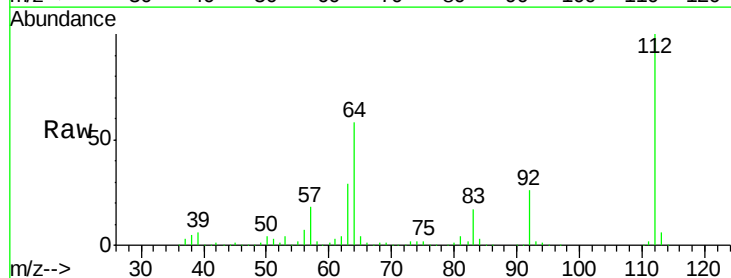
mohammad
1/27/2017 3:02:23 PM

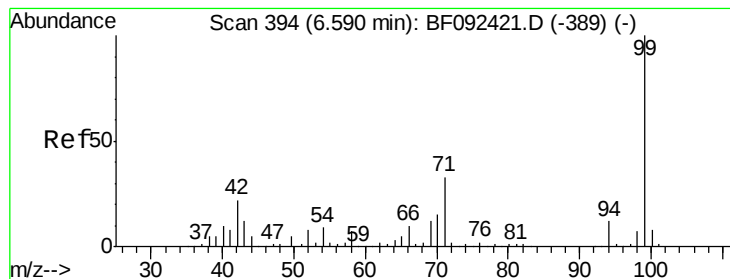


#5

2-Fluorophenol
Concen: 63.65 ng
RT: 5.56 min Scan# 304
Delta R.T. 0.01 min
Lab File: BF092523.D
Acq: 26 Jan 2017 14:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.8	46.1	69.1
63	29.3	23.8	35.6





#7

Phenol-d6

Concen: 65.76 ng

RT: 6.59 min Scan# 394

Delta R.T. 0.00 min

Lab File: BF092523.D

Acq: 26 Jan 2017 14:05

Instrument :

BNA_F

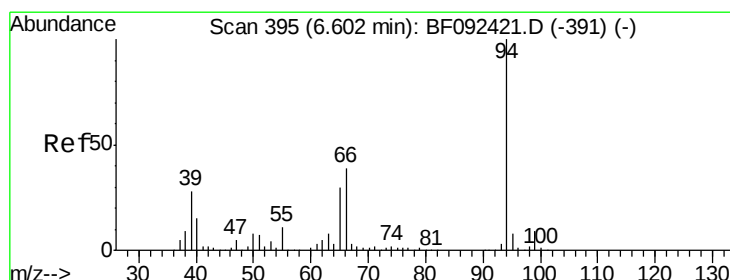
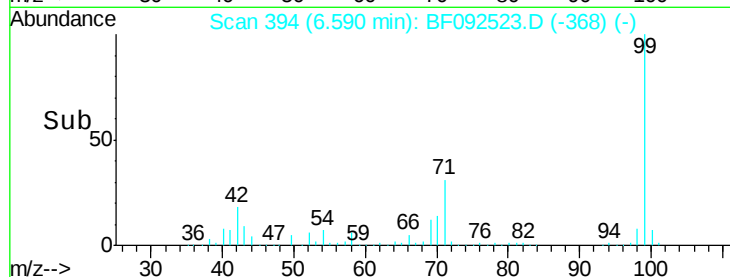
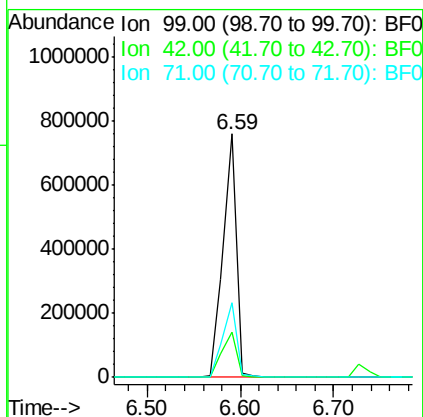
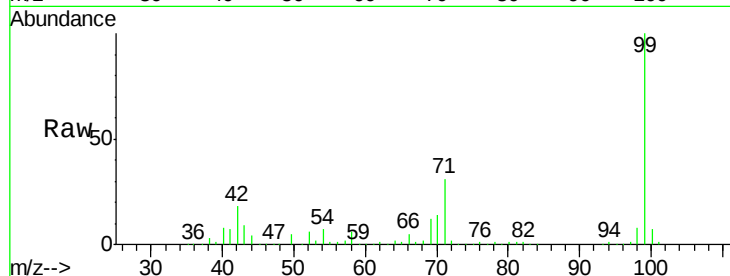
ClientSampled :

CHA-SB-101-0-2

Tot Ion:	99	Resp:	750020
Ion	Ratio	Lower	Upper
99	100		
42	18.5	15.6	23.4
71	30.7	27.5	41.3

Manual Integrations
APPROVED

mohammad
1/27/2017 3:02:23 PM



#10

Phenol

Concen: 2.71 ng

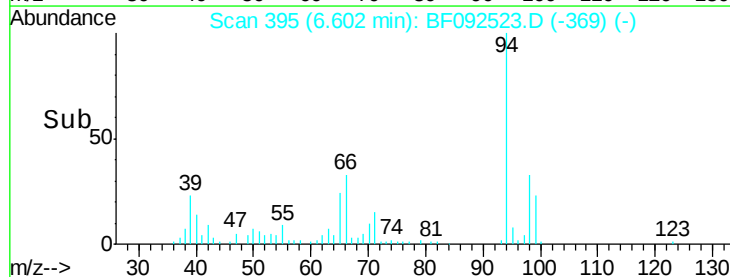
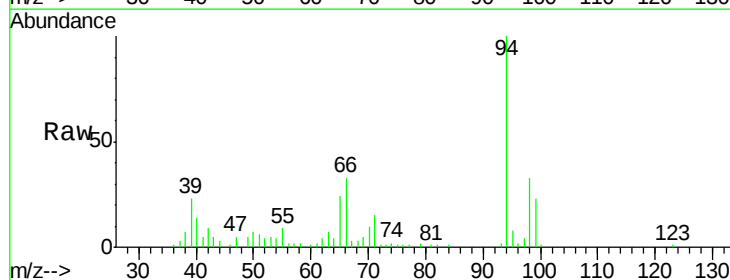
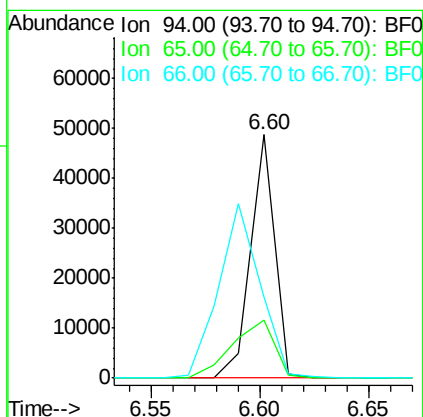
RT: 6.60 min Scan# 395

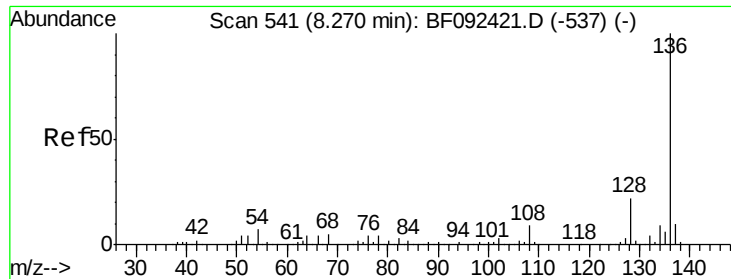
Delta R.T. 0.00 min

Lab File: BF092523.D

Acq: 26 Jan 2017 14:05

Tgt Ion:	94	Resp:	37348
Ion	Ratio	Lower	Upper
94	100		
65	23.9	21.4	61.4
66	33.0	44.0	84.0#





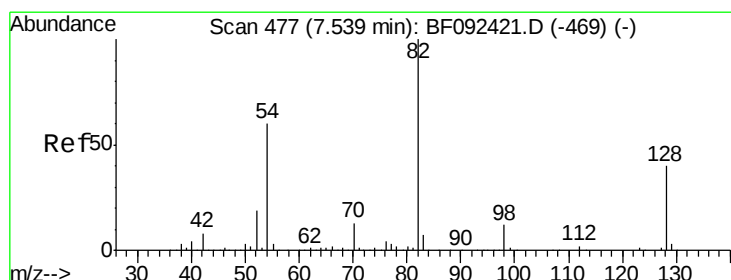
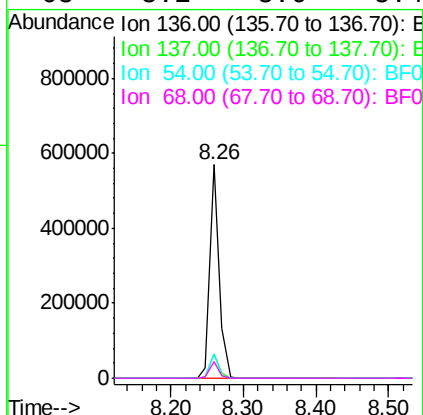
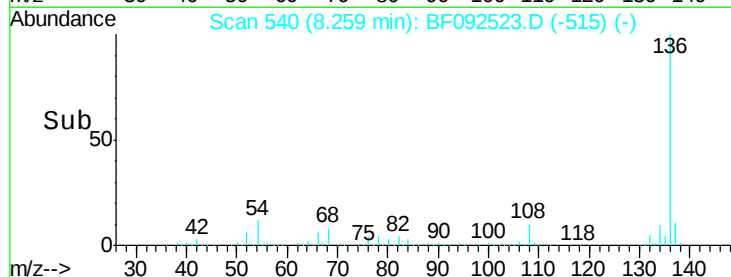
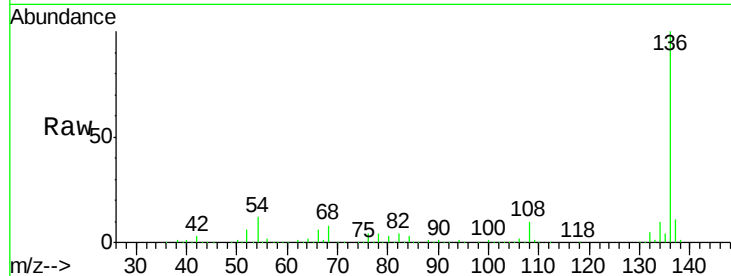
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.26 min Scan# 540
Delta R.T. -0.01 min
Lab File: BF092523.D
Acq: 26 Jan 2017 14:05

Instrument :
BNA_F
ClientSampleId :
CHA-SB-101-0-2

Tot Ion	Ratio	Resp	Lower	Upper
136	100	507220		
137	11.1		8.4	12.6
54	11.6		4.5	6.7#
68	8.1		3.6	5.4#

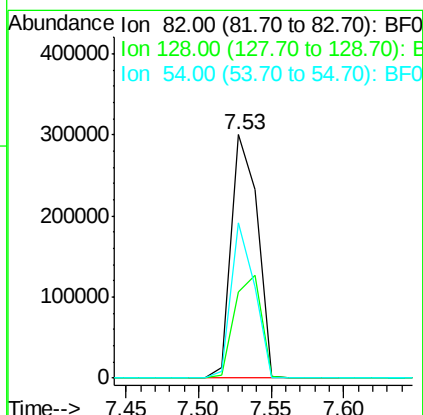
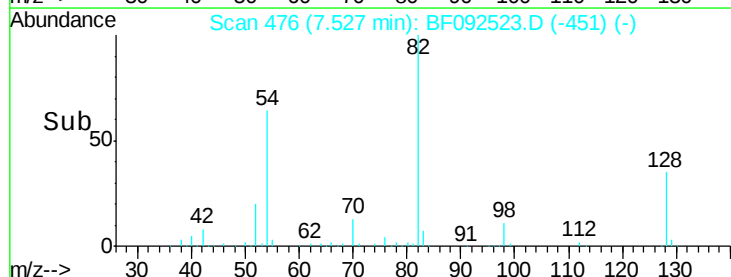
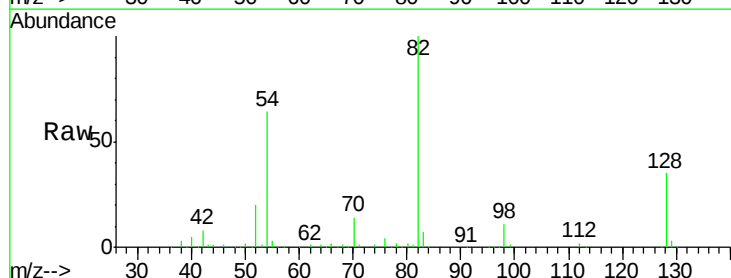
Manual Integrations
APPROVED

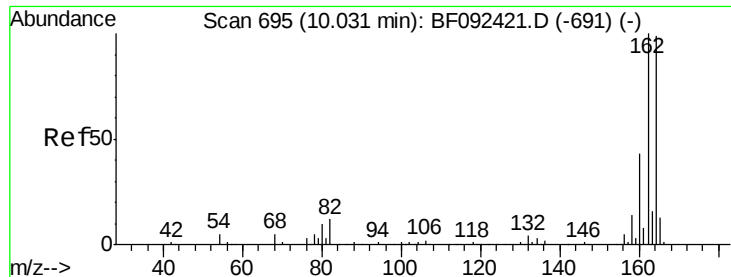
mohammad
1/27/2017 3:02:23 PM



#23
Nitrobenzene-d5
Concen: 40.76 ng
RT: 7.53 min Scan# 476
Delta R.T. -0.01 min
Lab File: BF092523.D
Acq: 26 Jan 2017 14:05

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	378506		
128	35.4		34.6	52.0
54	63.9		39.5	59.3#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.02 min Scan# 694

Delta R.T. -0.01 min

Lab File: BF092523.D

Acq: 26 Jan 2017 14:05

Instrument :

BNA_F

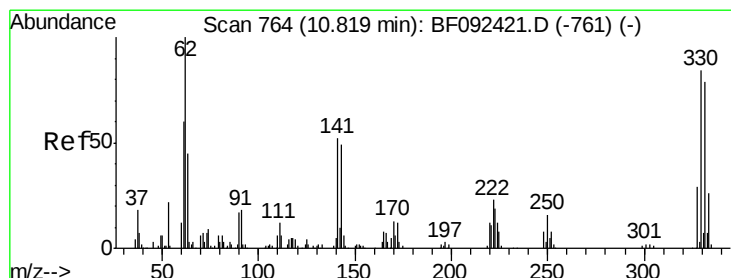
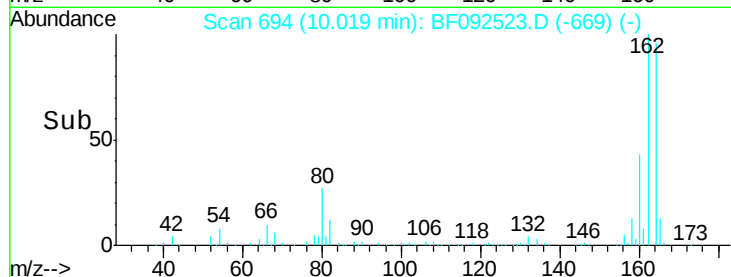
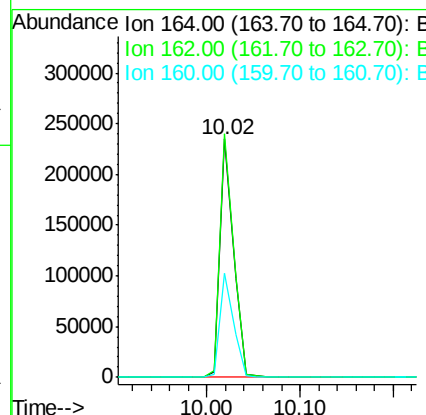
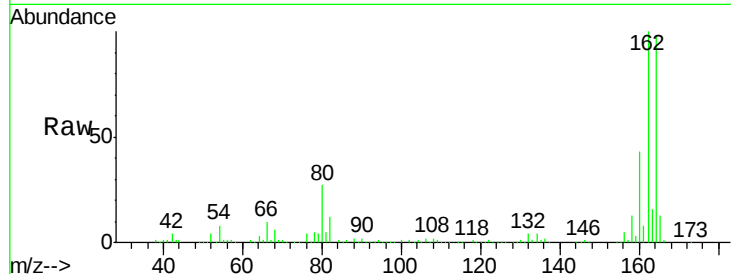
ClientSampleId :

CHA-SB-101-0-2

Tot Ion:	164	Resp:	236404
Ion	Ratio	Lower	Upper
164	100		
162	102.3	80.2	120.2
160	43.6	36.9	55.3

Manual Integrations
APPROVED

mohammad
1/27/2017 3:02:23 PM



#41

2,4,6-Tribromophenol

Concen: 54.81 ng

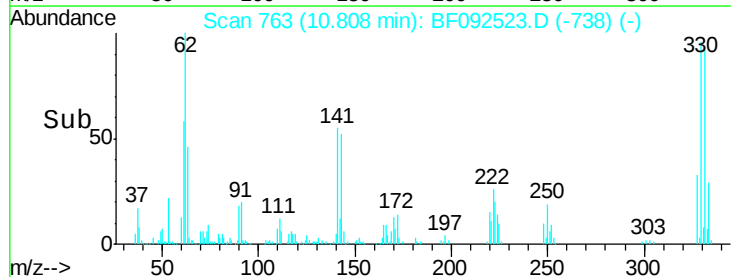
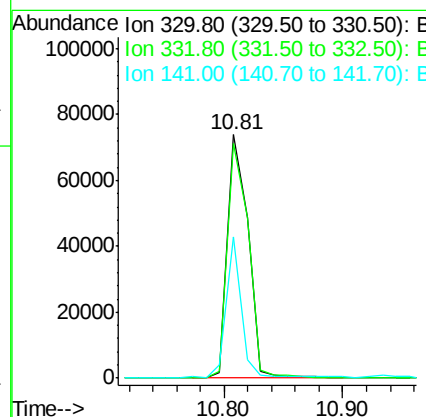
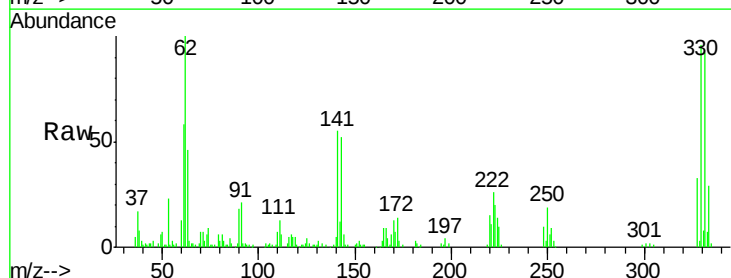
RT: 10.81 min Scan# 763

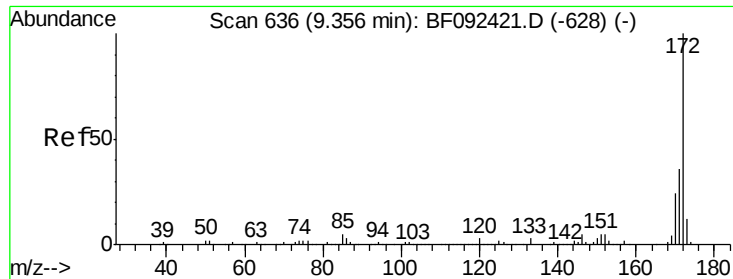
Delta R.T. -0.01 min

Lab File: BF092523.D

Acq: 26 Jan 2017 14:05

Tgt Ion:	330	Resp:	88294
Ion	Ratio	Lower	Upper
330	100		
332	97.9	77.4	116.2
141	43.4	34.1	51.1





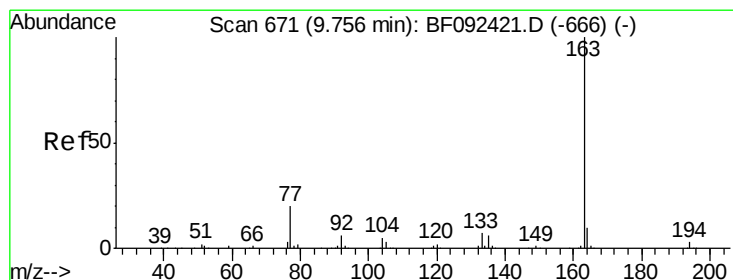
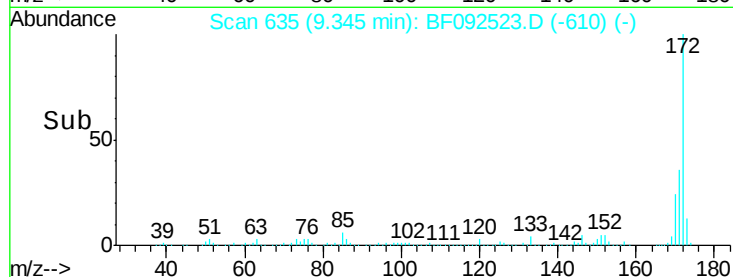
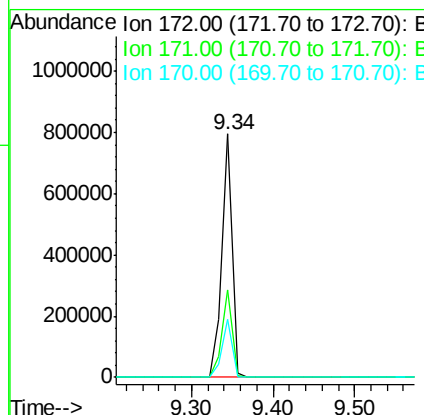
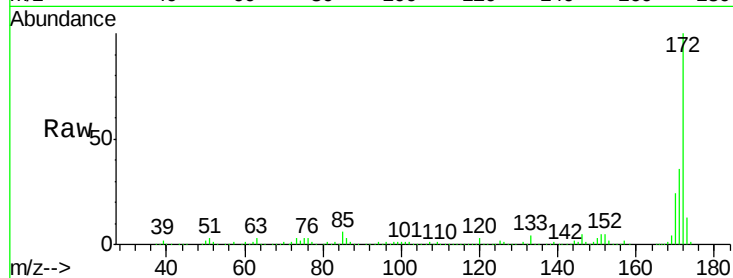
#44
2-Fluorobiphenyl
Concen: 54.61 ng
RT: 9.34 min Scan# 635
Delta R.T. -0.01 min
Lab File: BF092523.D
Acq: 26 Jan 2017 14:05

Instrument :
BNA_F
ClientSampleId :
CHA-SB-101-0-2

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.4	44.0
170	23.6	20.2	30.4

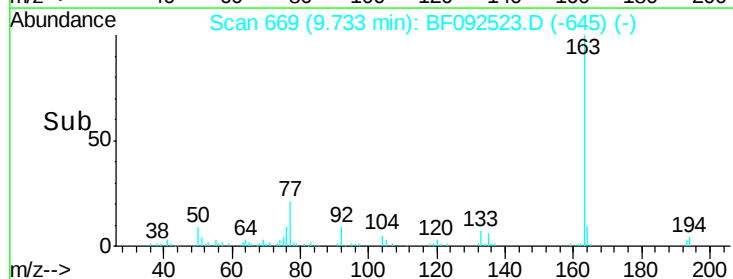
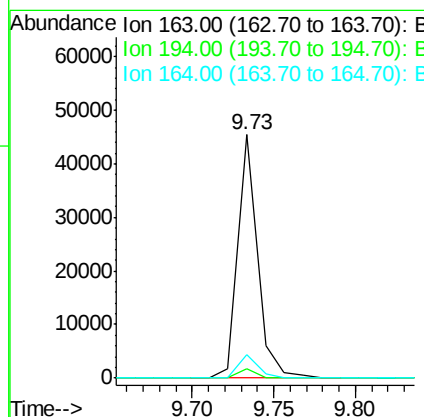
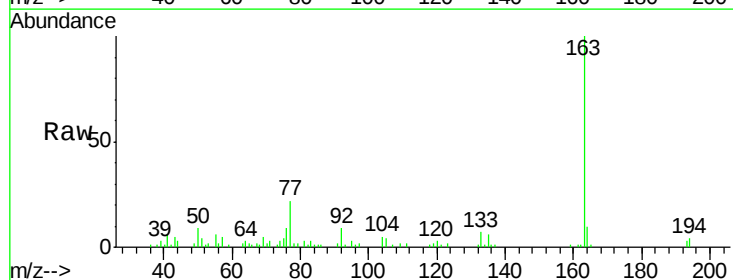
Manual Integrations
APPROVED

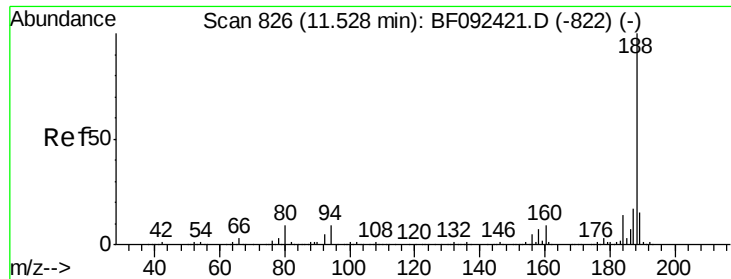
mohammad
1/27/2017 3:02:23 PM



#49
Dimethylphthalate
Concen: 2.50 ng
RT: 9.73 min Scan# 669
Delta R.T. -0.02 min
Lab File: BF092523.D
Acq: 26 Jan 2017 14:05

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.6	3.0	4.4
164	9.9	8.0	12.0





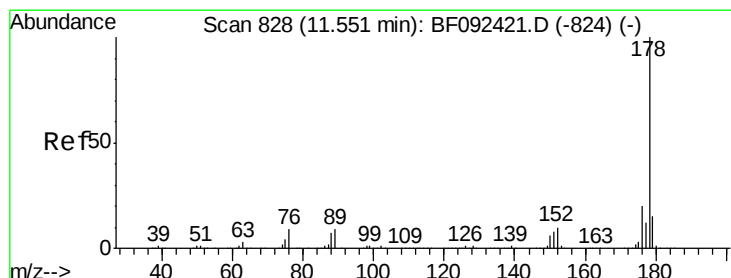
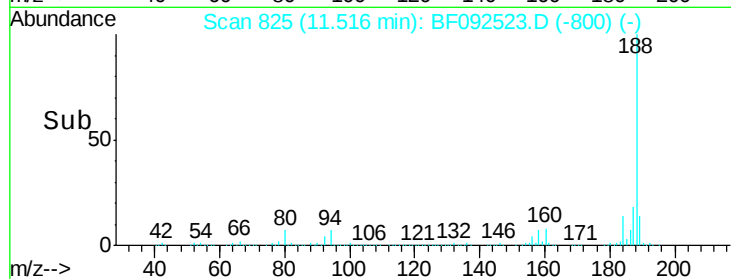
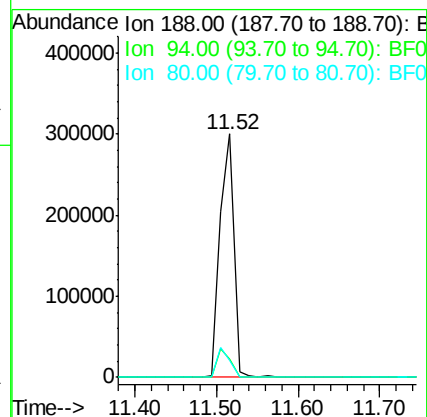
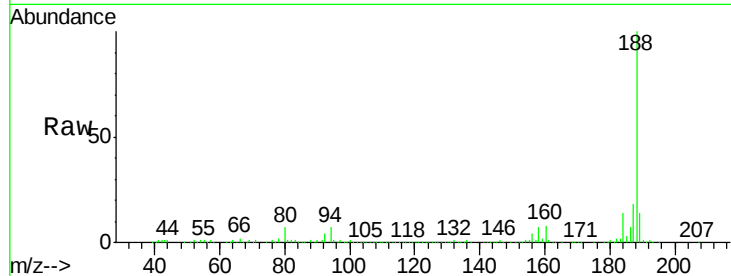
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.52 min Scan# 825
Delta R.T. -0.01 min
Lab File: BF092523.D
Acq: 26 Jan 2017 14:05

Instrument :
BNA_F
ClientSampleId :
CHA-SB-101-0-2

Tot Ion	Ratio	Resp	Lower	Upper
188	100	357559		
94	7.3	10.0	15.0#	
80	7.1	11.2	16.8#	

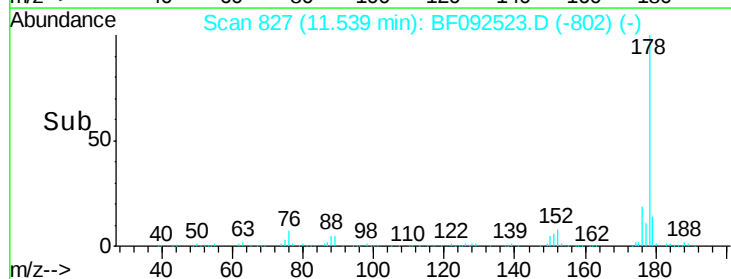
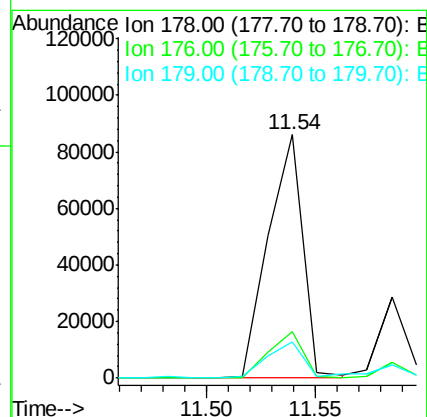
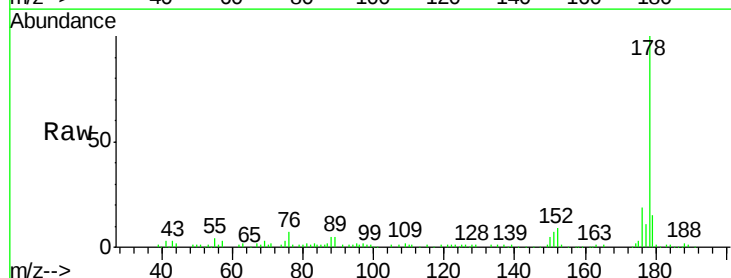
Manual Integrations
APPROVED

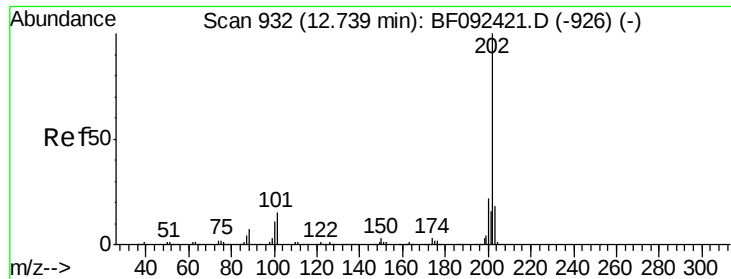
mohammad
1/27/2017 3:02:23 PM



#70
Phenanthrene
Concen: 4.88 ng
RT: 11.54 min Scan# 827
Delta R.T. -0.01 min
Lab File: BF092523.D
Acq: 26 Jan 2017 14:05

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	96109		
176	19.1	16.6	25.0	
179	14.7	12.8	19.2	





#74

Fluoranthene

Concen: 11.61 ng

RT: 12.73 min Scan# 931

Delta R.T. -0.01 min

Lab File: BF092523.D

Acq: 26 Jan 2017 14:05

Instrument :

BNA_F

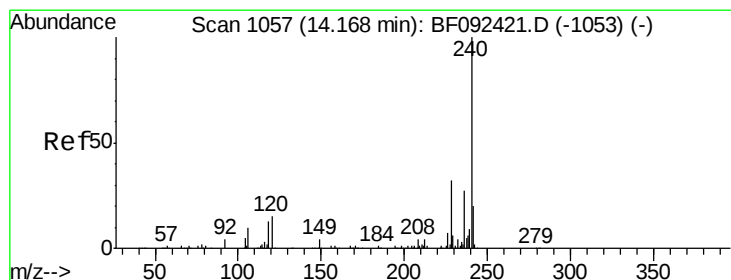
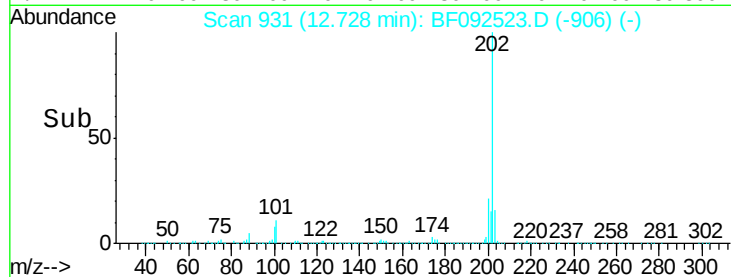
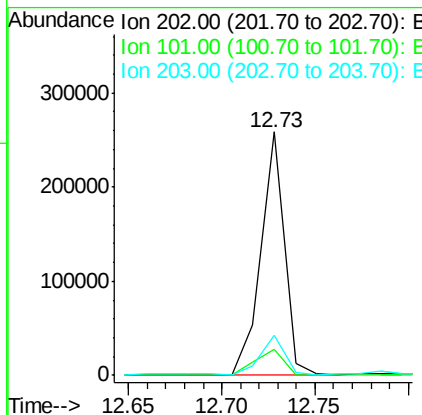
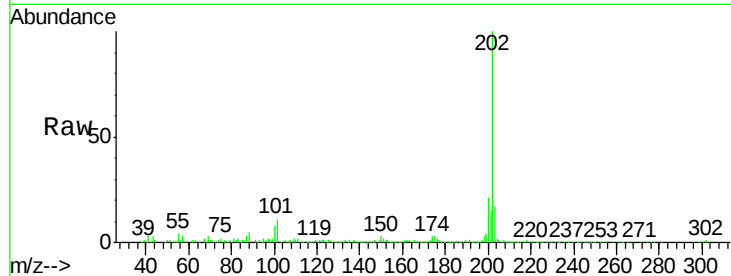
ClientSampleId :

CHA-SB-101-0-2

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		223545		
101	10.9	0.0	34.6		
203	16.7	0.0	38.7		

Manual Integrations
APPROVED

mohammad
1/27/2017 3:02:23 PM



#75

Chrysene-d12

Concen: 20.00 ng

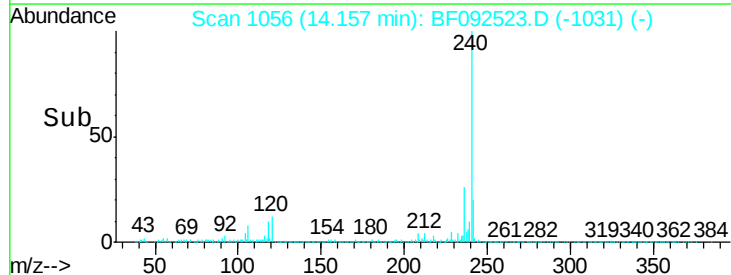
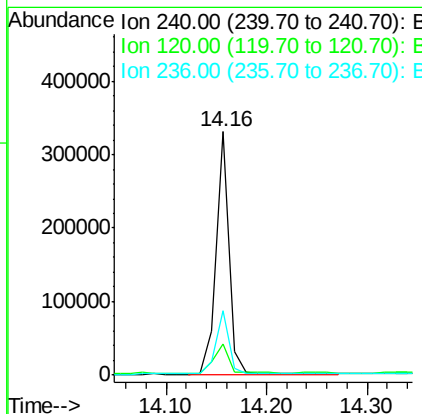
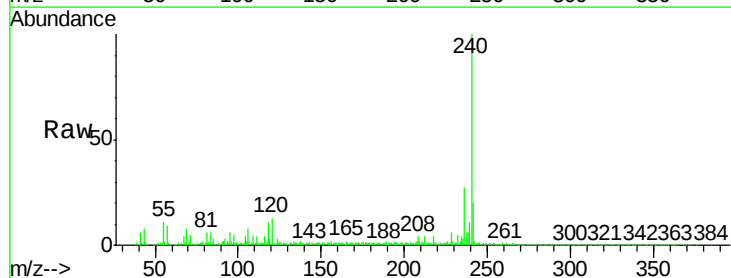
RT: 14.16 min Scan# 1056

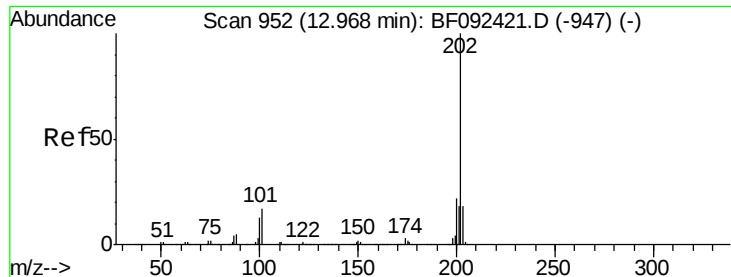
Delta R.T. -0.01 min

Lab File: BF092523.D

Acq: 26 Jan 2017 14:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		294466		
120	12.6	12.9	19.3#		
236	26.7	20.9	31.3		





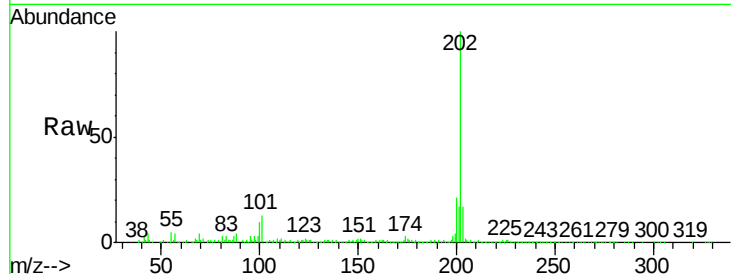
#77
Pvrene
Concen: 9.52 ng
RT: 12.96 min Scan# 951
Delta R.T. -0.01 min
Lab File: BF092523.D
Acq: 26 Jan 2017 14:05

Instrument :
BNA_F
ClientSampleId :
CHA-SB-101-0-2

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.7	26.5
203	17.4	14.7	22.1

Manual Integrations
APPROVED

mohammad
1/27/2017 3:02:23 PM

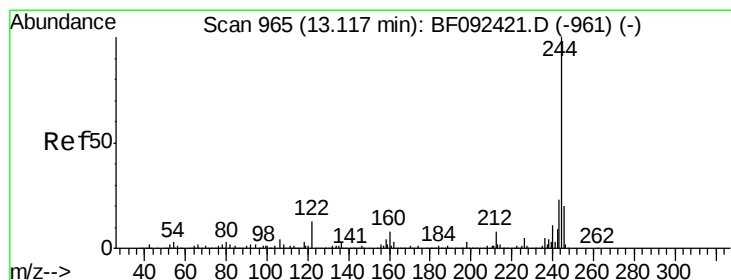
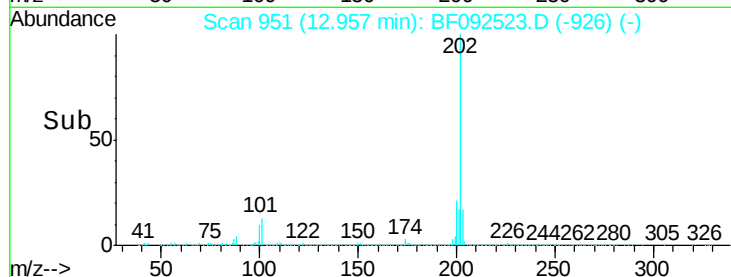
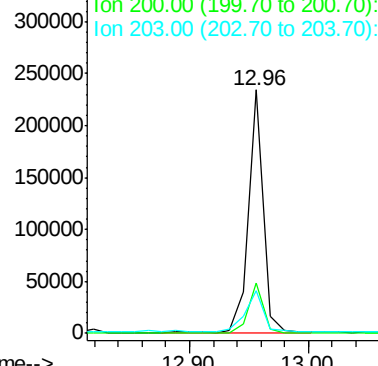


Abundance

Ion 202.00 (201.70 to 202.70): E

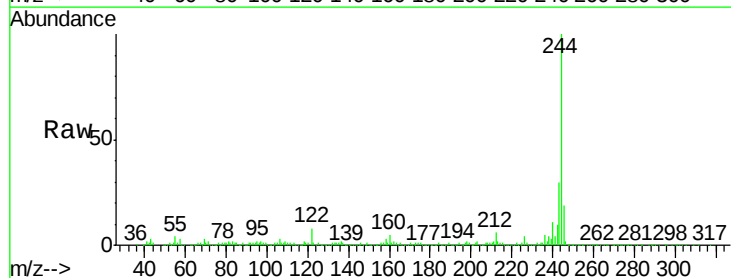
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78
Terphenyl-d14
Concen: 46.06 ng
RT: 13.11 min Scan# 964
Delta R.T. -0.01 min
Lab File: BF092523.D
Acq: 26 Jan 2017 14:05

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.3	6.2	9.2
122	7.6	11.4	17.2

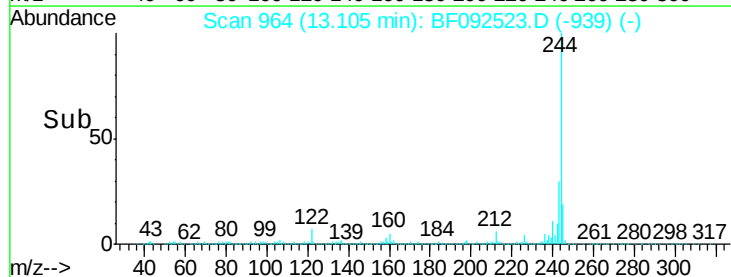
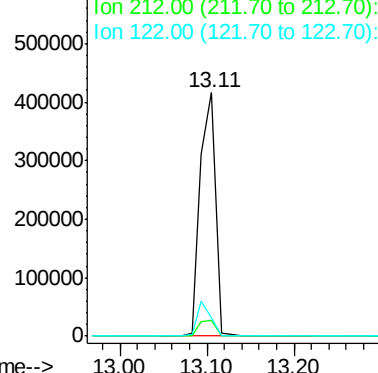


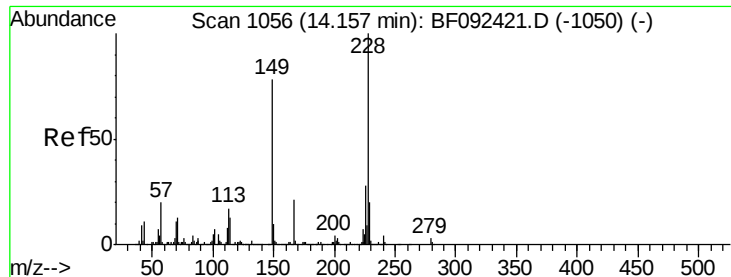
Abundance

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





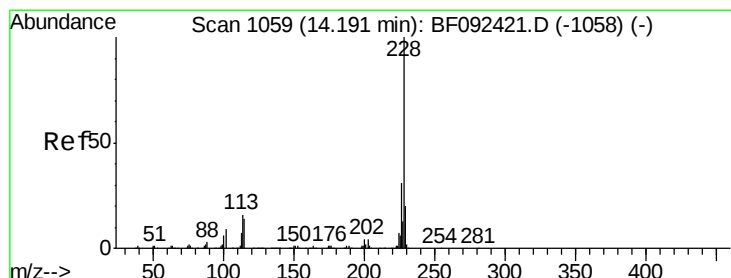
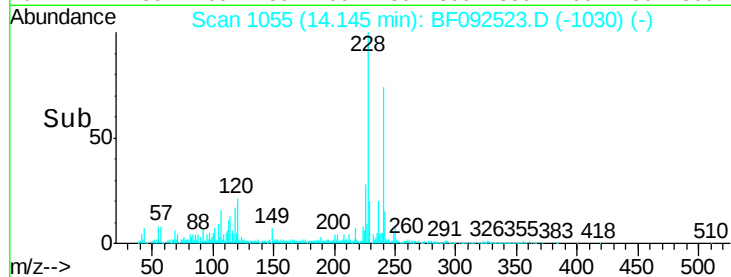
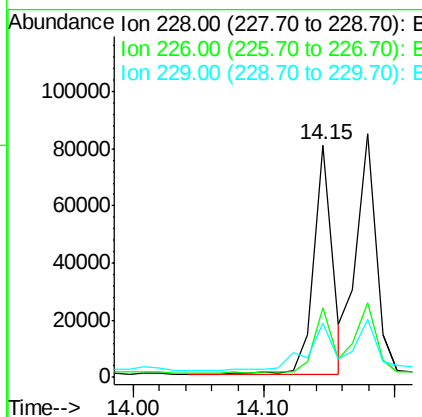
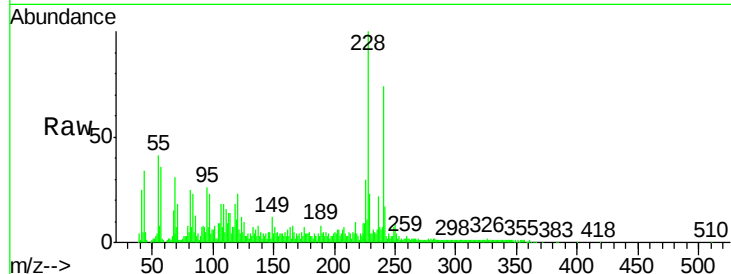
#80
Benzo(a)anthracene
Concen: 4.98 ng
RT: 14.15 min Scan# 1055
Delta R.T. -0.01 min
Lab File: BF092523.D
Acq: 26 Jan 2017 14:05

Instrument :
BNA_F
ClientSampleId :
CHA-SB-101-0-2

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.1	22.4	33.6
229	23.1	16.2	24.4

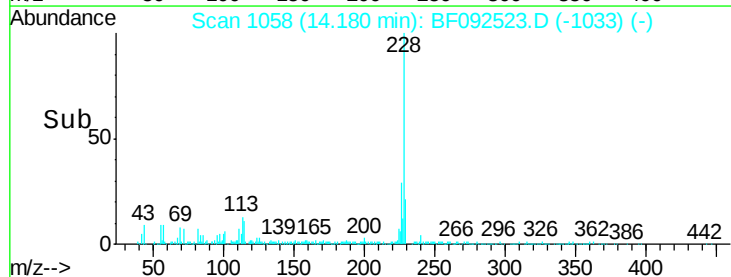
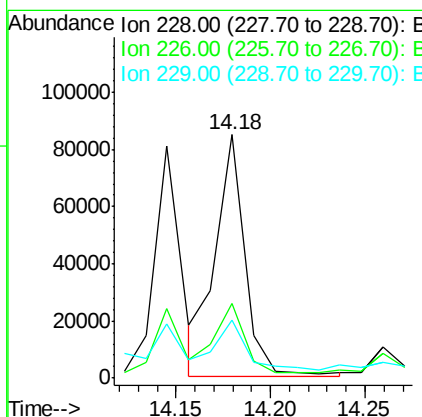
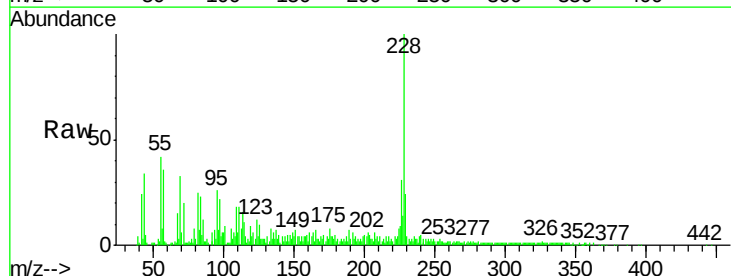
Manual Integrations
APPROVED

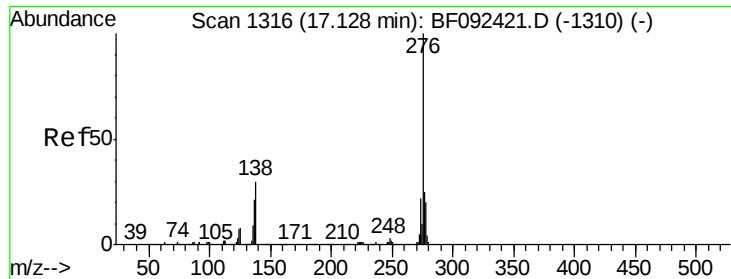
mohammad
1/27/2017 3:02:23 PM



#82
Chrysene
Concen: 5.43 ng m
RT: 14.18 min Scan# 1058
Delta R.T. -0.01 min
Lab File: BF092523.D
Acq: 26 Jan 2017 14:05

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.4	38.0
229	24.0	16.2	24.2





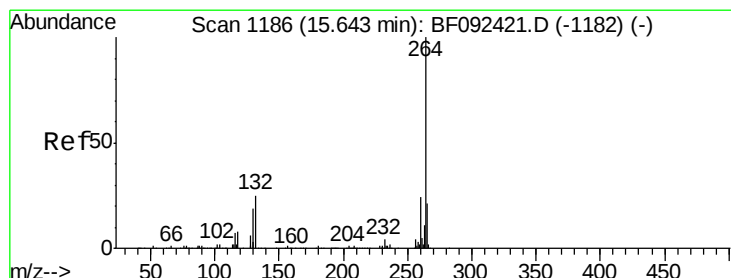
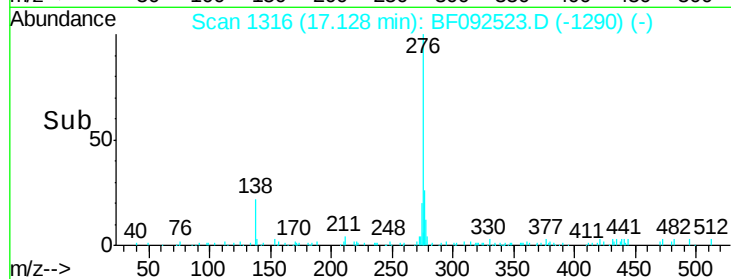
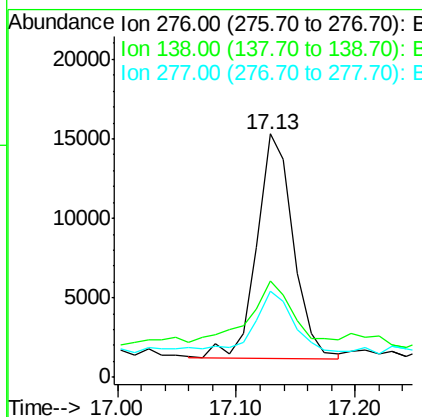
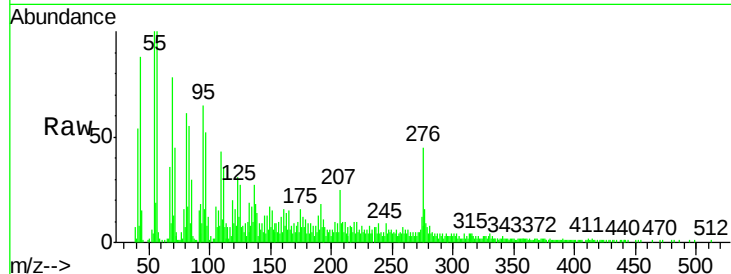
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.42 ng
RT: 17.13 min Scan# 1316
Delta R.T. 0.00 min
Lab File: BF092523.D
Acq: 26 Jan 2017 14:05

Instrument :
BNA_F
ClientSampleId :
CHA-SB-101-0-2

Tot Ion	Ratio	Lower	Upper
276	100		
138	39.5	21.8	32.6#
277	31.0	20.2	30.4#

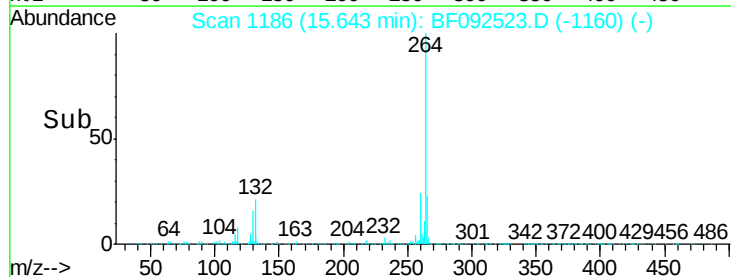
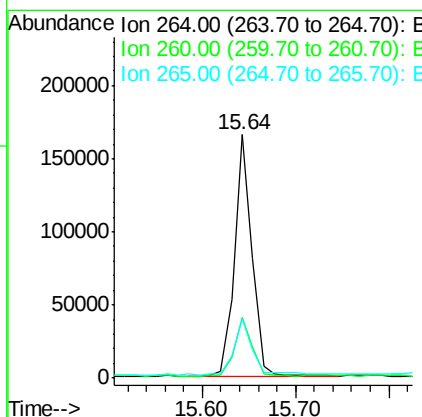
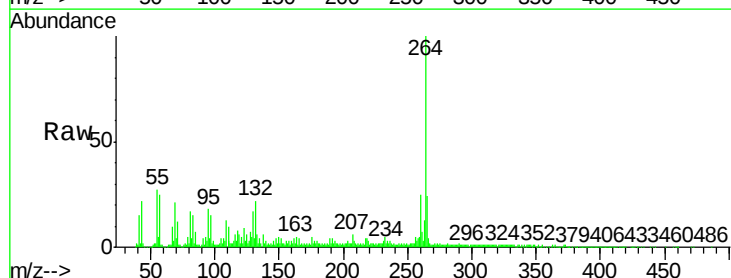
Manual Integrations
APPROVED

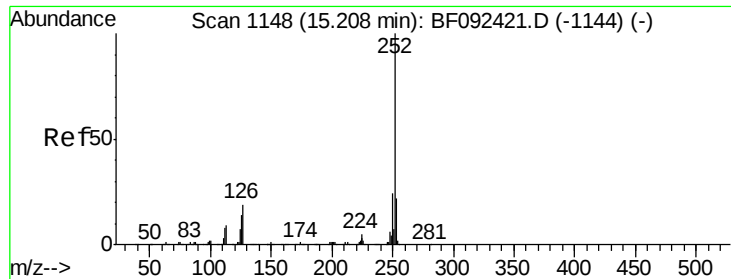
mohammad
1/27/2017 3:02:23 PM



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.64 min Scan# 1186
Delta R.T. 0.00 min
Lab File: BF092523.D
Acq: 26 Jan 2017 14:05

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.2	28.8
265	24.1	17.4	26.0





#87

Benzo(b)fluoranthene

Concen: 5.64 ng m

RT: 15.21 min Scan# 1148

Delta R.T. 0.00 min

Lab File: BF092523.D

Acq: 26 Jan 2017 14:05

Instrument :

BNA_F

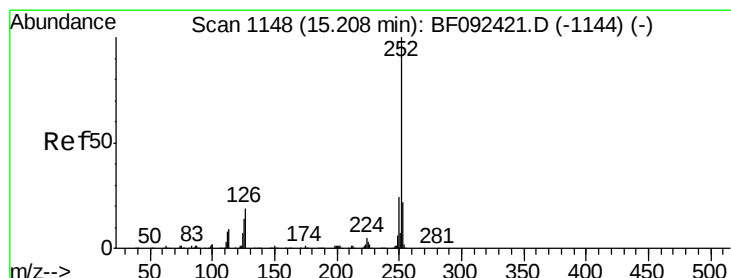
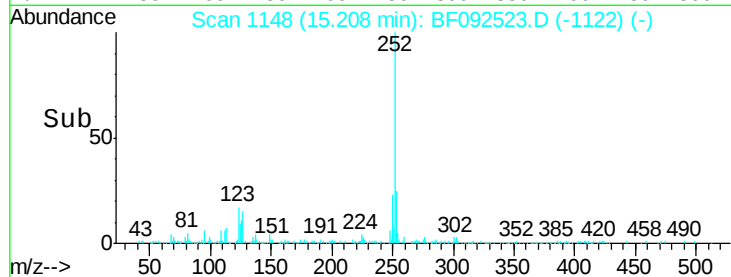
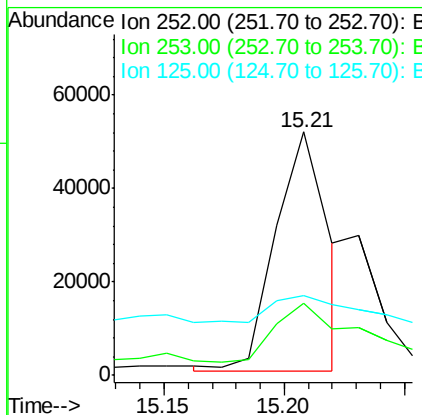
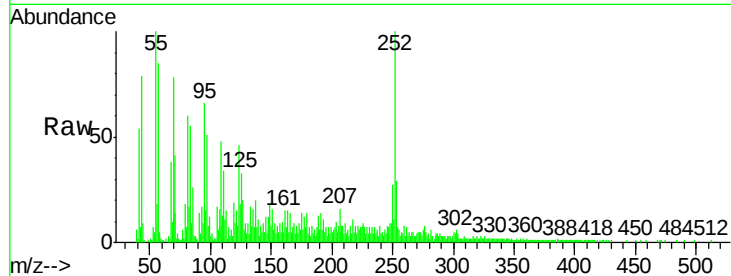
ClientSampleId :

CHA-SB-101-0-2

Tot Ion:	252	Resp:	77676
Ion Ratio	Lower	Upper	
252	100		
253	29.4	18.2	27.4#
125	32.9	9.8	14.6#

Manual Integrations
APPROVED

mohammad
1/27/2017 3:02:23 PM



#88

Benzo(k)fluoranthene

Concen: 2.64 ng m

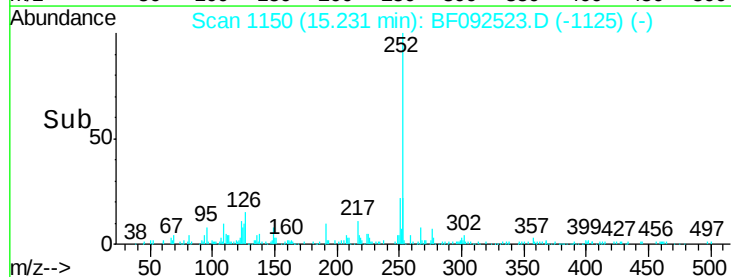
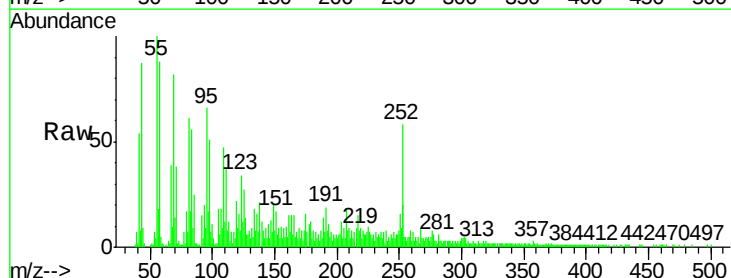
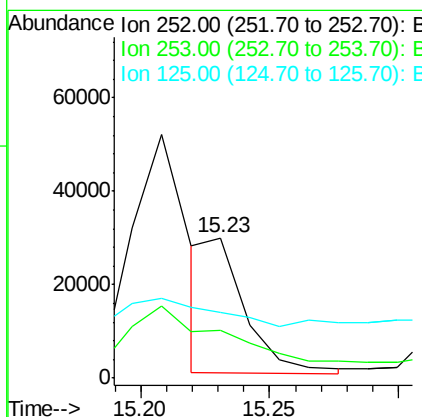
RT: 15.23 min Scan# 1150

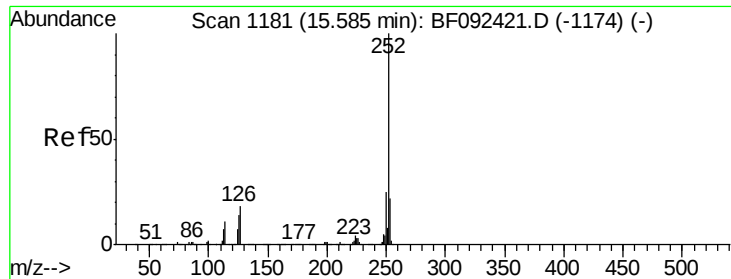
Delta R.T. -0.01 min

Lab File: BF092523.D

Acq: 26 Jan 2017 14:05

Tgt Ion:	252	Resp:	30275
Ion Ratio	Lower	Upper	
252	100		
253	34.1	18.5	27.7#
125	46.6	8.9	13.3#





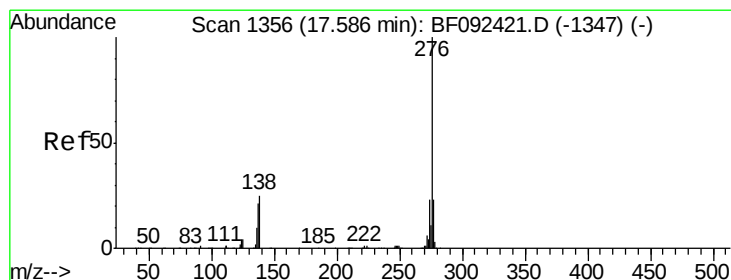
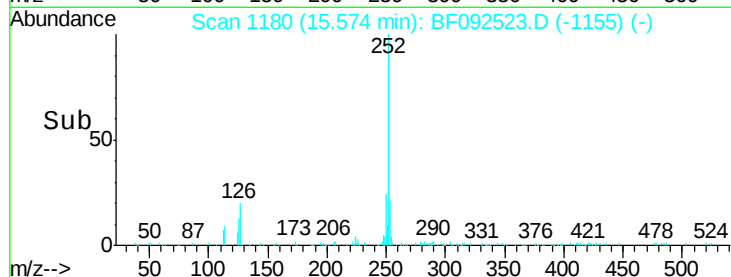
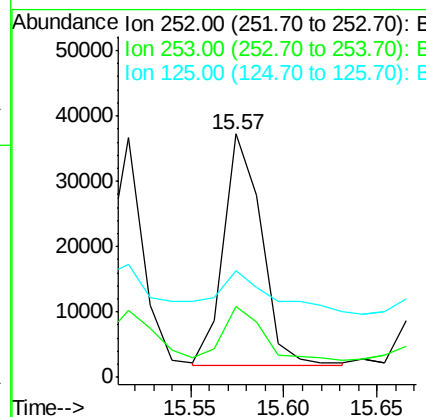
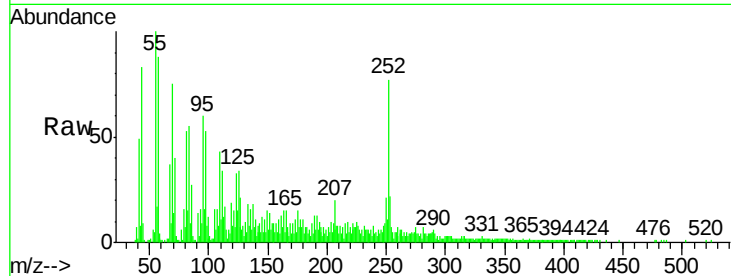
#89
Benzo(a)pyrene
Concen: 4.35 ng
RT: 15.57 min Scan# 1180
Delta R.T. -0.01 min
Lab File: BF092523.D
Acq: 26 Jan 2017 14:05

Instrument :
BNA_F
ClientSampleId :
CHA-SB-101-0-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	29.0	18.2	27.2#
125	43.7	10.0	15.0#

Manual Integrations
APPROVED

mohammad
1/27/2017 3:02:23 PM



#91
Benzo(g,h,i)perylene
Concen: 3.43 ng
RT: 17.59 min Scan# 1356
Delta R.T. 0.00 min
Lab File: BF092523.D
Acq: 26 Jan 2017 14:05

Tgt Ion	Ratio	Lower	Upper
276	100		
277	33.5	19.2	28.8#
138	37.6	16.0	24.0#

