

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020217\
 Data File : BF092742.D
 Acq On : 2 Feb 2017 18:32
 Operator : SJ/MA
 Sample : I1658-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-COMP-1A-0-2FT

Manual Integrations
 APPROVED

mohammad
 2/3/2017 1:22:27 PM

Quant Time: Feb 03 00:33:40 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 30 14:50:05 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	156910	20.00	ng	-0.03
21) Naphthalene-d8	8.22	136	620800	20.00	ng	-0.03
38) Acenaphthene-d10	9.97	164	317251	20.00	ng	-0.03
63) Phenanthrene-d10	11.46	188	485320	20.00	ng	-0.03
75) Chrysene-d12	14.10	240	338376	20.00	ng	-0.05
86) Perylene-d12	15.56	264	319466	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	1456075	159.20	ng	-0.02
7) Phenol-d6	6.58	99	1542470	131.07	ng	-0.02
23) Nitrobenzene-d5	7.50	82	1112808	99.82	ng	-0.03
41) 2,4,6-Tribromophenol	10.77	330	341828	148.97	ng	-0.03
44) 2-Fluorobiphenyl	9.30	172	1537162	87.78	ng	-0.03
78) Terphenyl-d14	13.05	244	1137830	79.01	ng	-0.03
Target Compounds						
10) Phenol	6.59	94	132238	9.60	ng	Qvalue # 77
49) Dimethylphthalate	9.69	163	147712	6.91	ng	99
70) Phenanthrene	11.48	178	149740	5.39	ng	98
74) Fluoranthene	12.67	202	177555	6.19	ng	96
77) Pyrene	12.90	202	152321	6.02	ng	98
80) Benzo(a)anthracene	14.09	228	70135m	3.39	ng	
82) Chrysene	14.12	228	67332m	3.47	ng	
83) Bis(2-ethylhexyl)phthalate	14.08	149	34761	2.47	ng	# 94
85) Indeno(1,2,3-cd)pyrene	17.00	276	42237	2.81	ng	95
87) Benzo(b)fluoranthene	15.13	252	90812m	4.32	ng	
89) Benzo(a)pyrene	15.49	252	56687	3.12	ng	# 95
91) Benzo(a,h,i)perylene	17.45	276	45453	3.06	ng	# 89

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

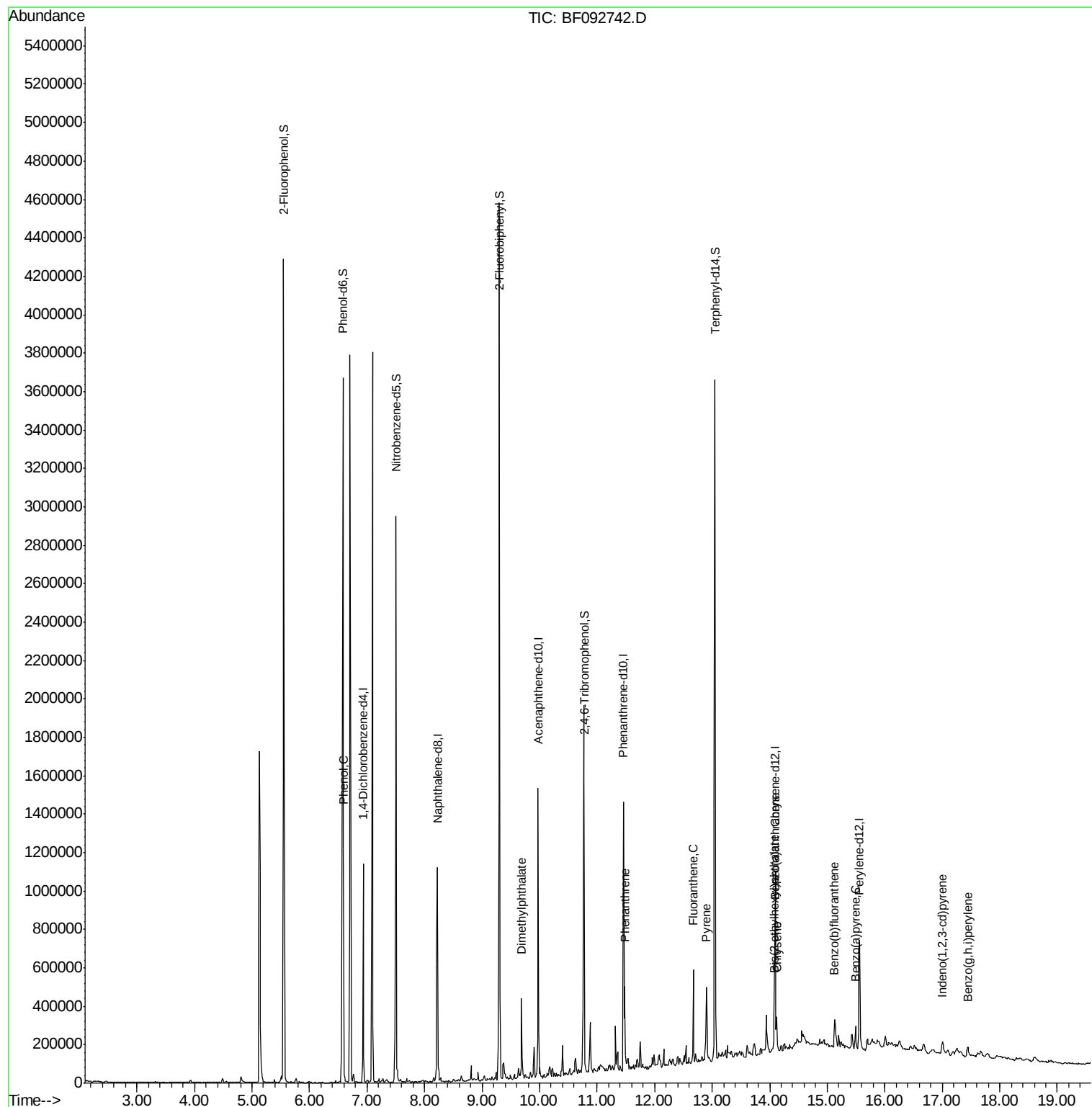
Data Path : Z:\HPCHEM1\BNA F\DATA\BF020217\
Data File : BF092742.D
Acq On : 2 Feb 2017 18:32
Operator : SJ/MA
Sample : I1658-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

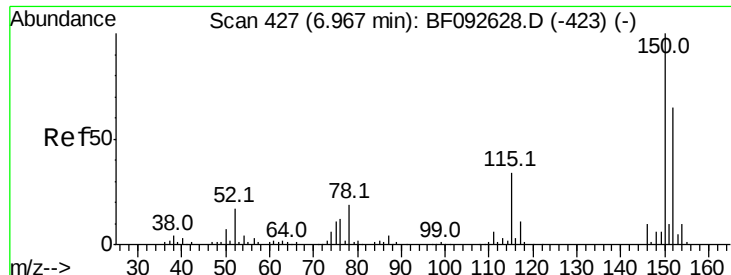
Instrument :
BNA_F
ClientSampleId :
SP-COMP-1A-0-2FT

Manual Integrations
APPROVED

mohammad
2/3/2017 1:22:27 PM

Quant Time: Feb 03 00:33:40 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 30 14:50:05 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.93 min Scan# 424

Delta R.T. -0.03 min

Lab File: BF092742.D

Acq: 2 Feb 2017 18:32

Instrument :

BNA_F

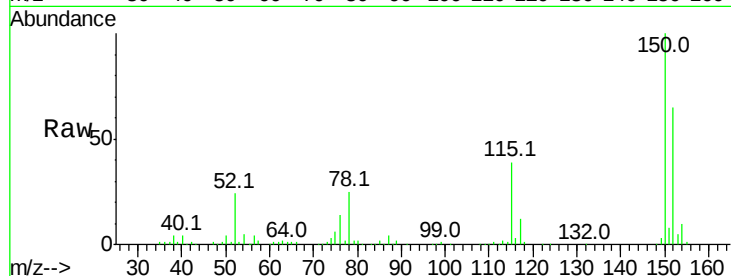
ClientSampleId :

SP-COMP-1A-0-2FT

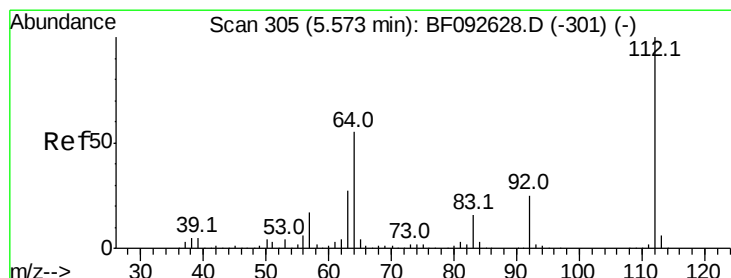
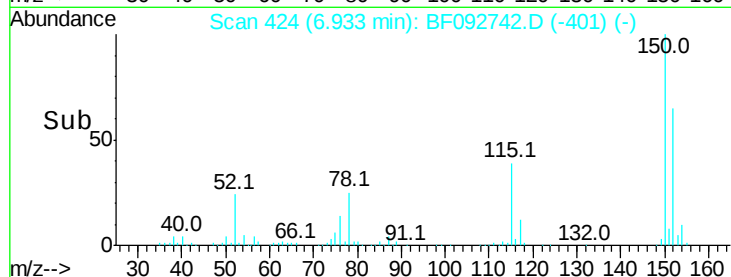
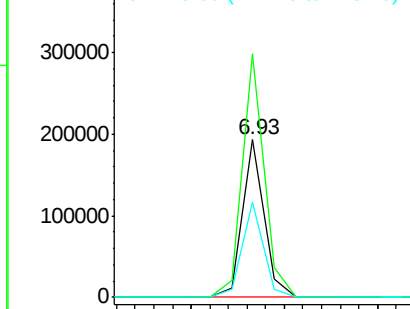
Tot Ion:	152	Resp:	156910
Ion Ratio	Lower	Upper	
152	100		
150	154.4	124.9	187.3
115	60.5	46.0	69.0

Manual Integrations
APPROVED

mohammad
2/3/2017 1:22:27 PM



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 159.20 ng

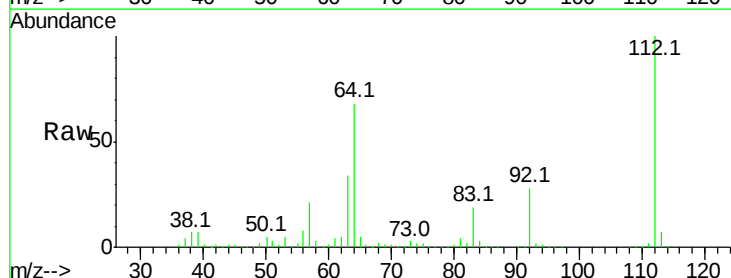
RT: 5.55 min Scan# 303

Delta R.T. -0.02 min

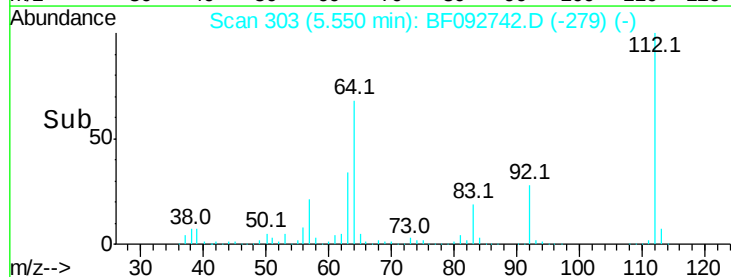
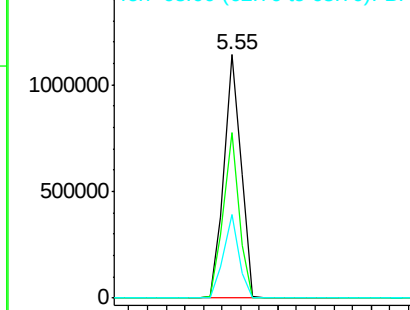
Lab File: BF092742.D

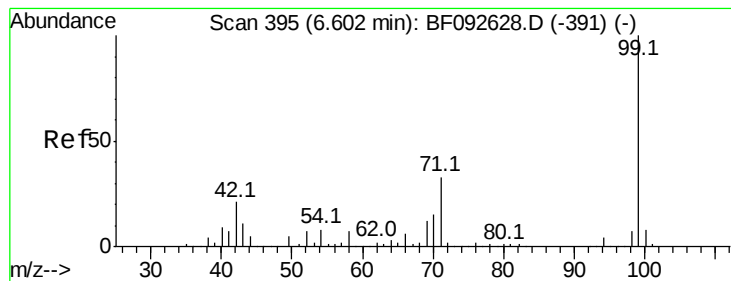
Acq: 2 Feb 2017 18:32

Tgt Ion:	112	Resp:	1456075
Ion Ratio	Lower	Upper	
112	100		
64	67.9	46.1	69.1
63	34.2	23.8	35.6



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 131.07 ng

RT: 6.58 min Scan# 393

Delta R.T. -0.02 min

Lab File: BF092742.D

Acq: 2 Feb 2017 18:32

Instrument :

BNA_F

ClientSampleId :

SP-COMP-1A-0-2FT

Tot Ion: 99 Resp: 1542470

Ion Ratio Lower Upper

99 100

42 20.4 15.6 23.4

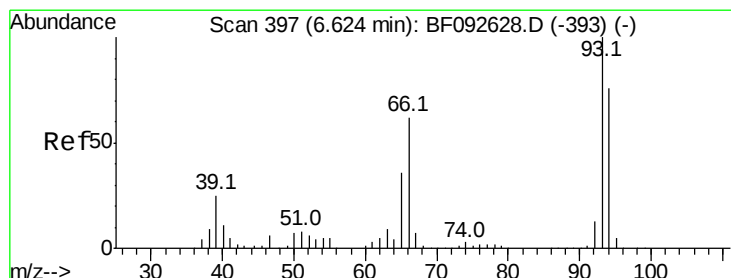
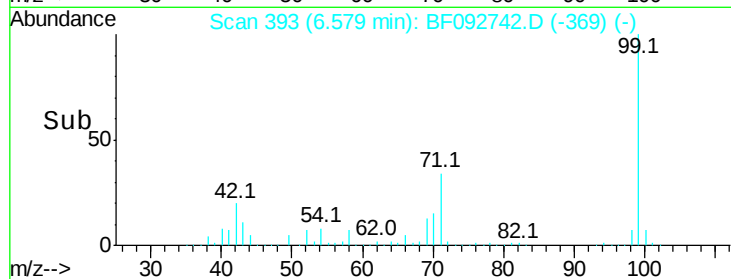
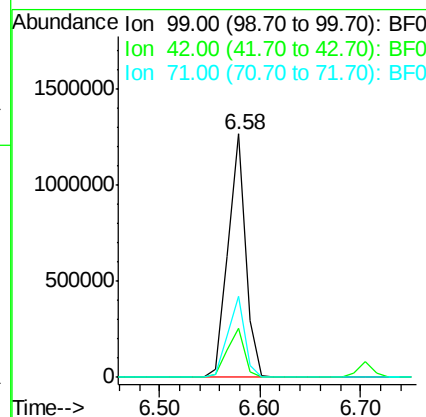
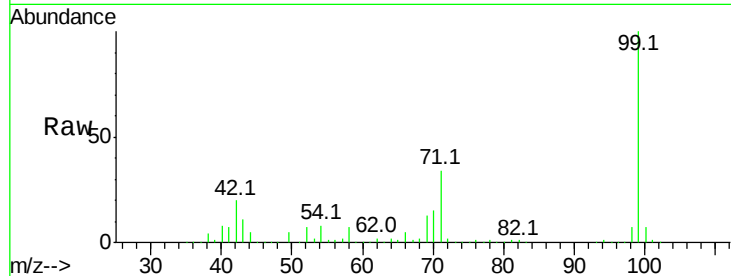
71 33.6 27.5 41.3

Manual Integrations

APPROVED

mohammad

2/3/2017 1:22:27 PM



#10

Phenol

Concen: 9.60 ng

RT: 6.59 min Scan# 394

Delta R.T. -0.03 min

Lab File: BF092742.D

Acq: 2 Feb 2017 18:32

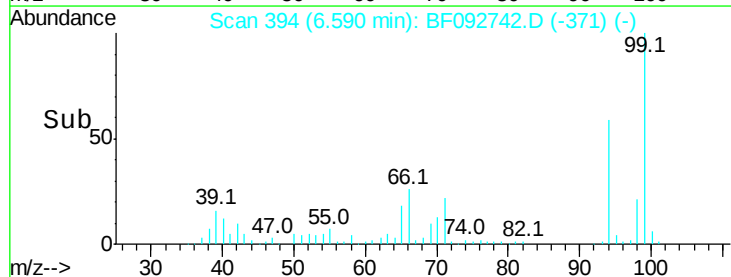
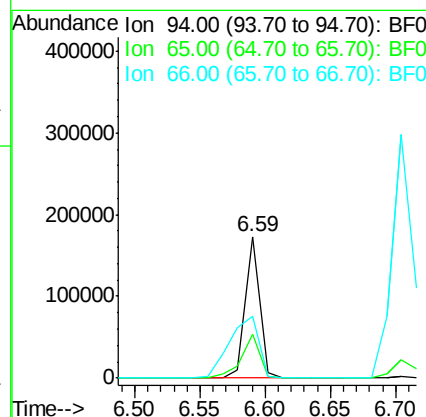
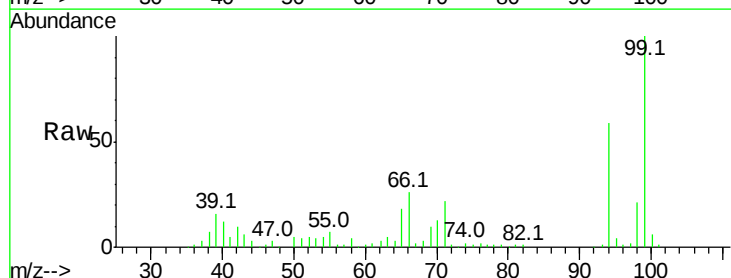
Tgt Ion: 94 Resp: 132238

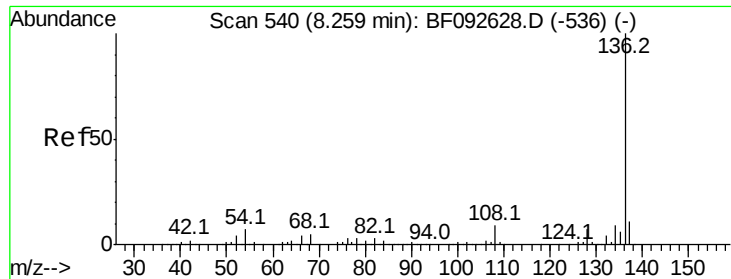
Ion Ratio Lower Upper

94 100

65 31.1 21.4 61.4

66 43.3 44.0 84.0#





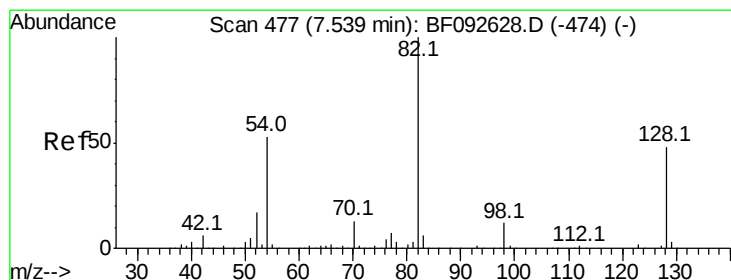
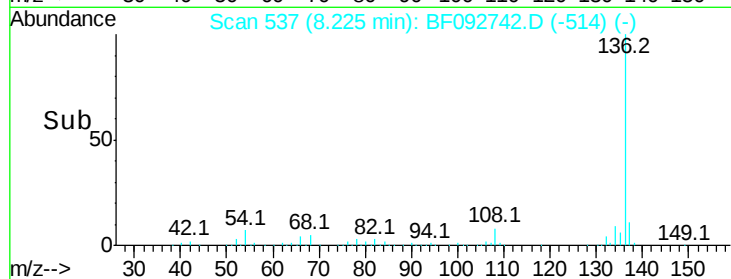
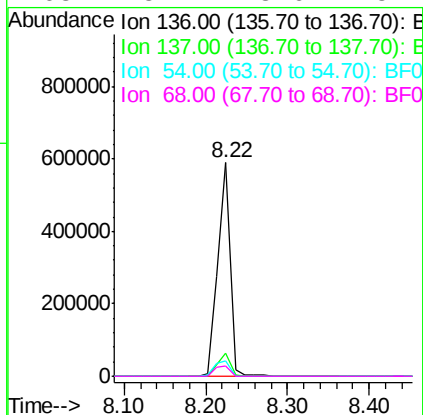
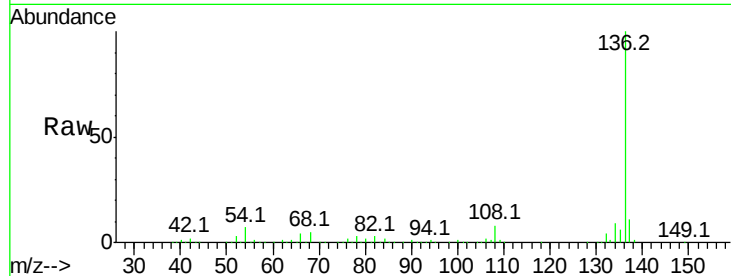
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.22 min Scan# 537
Delta R.T. -0.03 min
Lab File: BF092742.D
Acq: 2 Feb 2017 18:32

Instrument :
BNA_F
ClientSampleId :
SP-COMP-1A-0-2FT

Tot Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.4	12.6
54	7.2	4.5	6.7
68	5.1	3.6	5.4

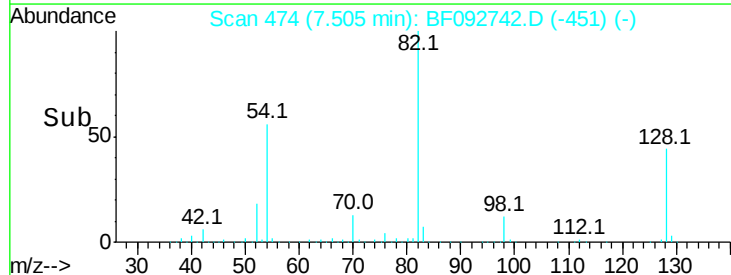
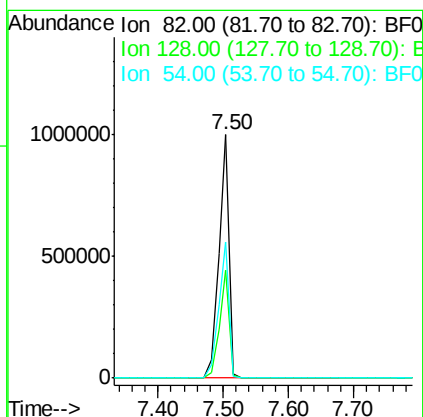
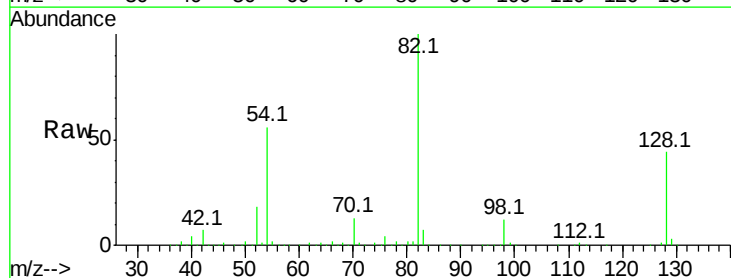
Manual Integrations
APPROVED

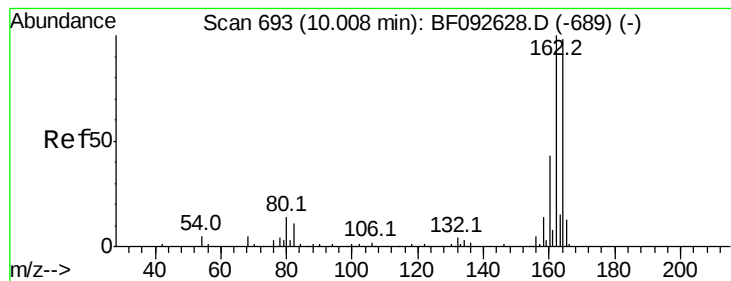
mohammad
2/3/2017 1:22:27 PM



#23
Nitrobenzene-d5
Concen: 99.82 ng
RT: 7.50 min Scan# 474
Delta R.T. -0.03 min
Lab File: BF092742.D
Acq: 2 Feb 2017 18:32

Tgt Ion	Ratio	Lower	Upper
82	100		
128	44.4	34.6	52.0
54	56.1	39.5	59.3





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.97 min Scan# 690

Delta R.T. -0.03 min

Lab File: BF092742.D

Acq: 2 Feb 2017 18:32

Instrument :

BNA_F

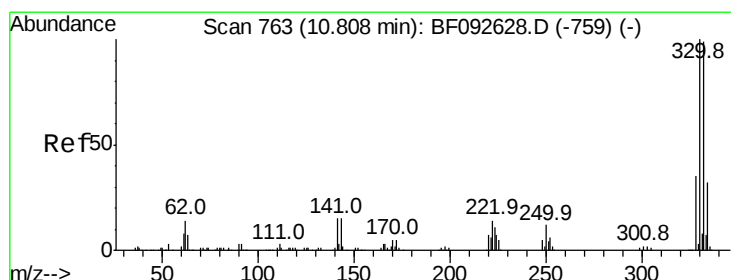
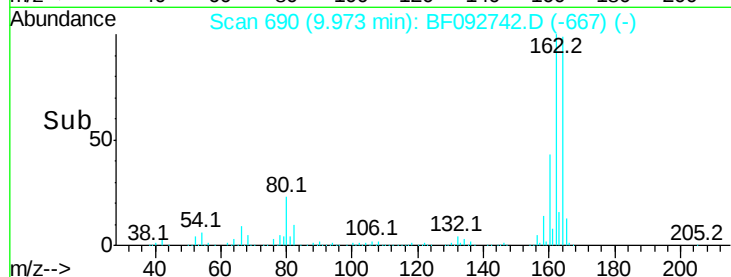
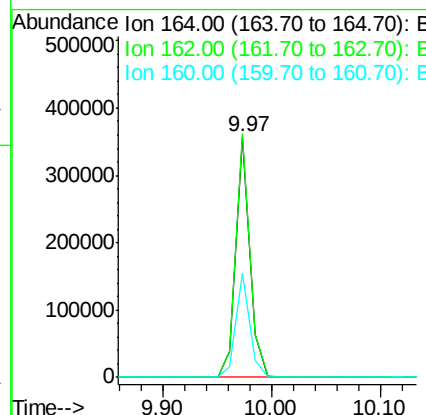
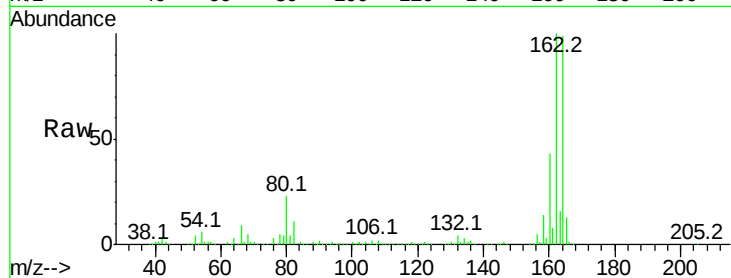
ClientSampleId :

SP-COMP-1A-0-2FT

Tot Ion:	164	Resp:	317251
Ion Ratio	Lower	Upper	
164	100		
162	101.3	80.2	120.2
160	43.2	36.9	55.3

Manual Integrations
APPROVED

mohammad
2/3/2017 1:22:27 PM



#41

2,4,6-Tribromophenol

Concen: 148.97 ng

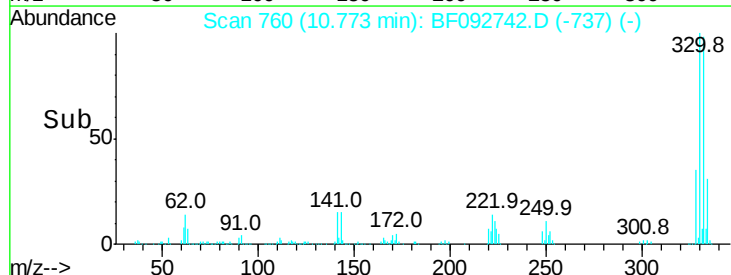
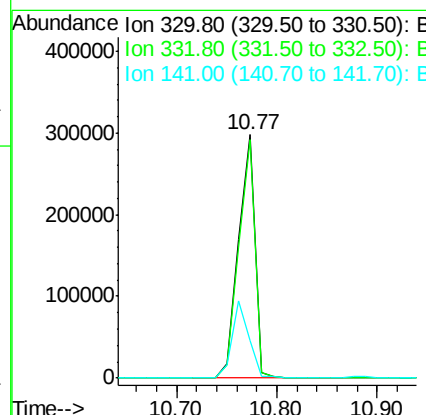
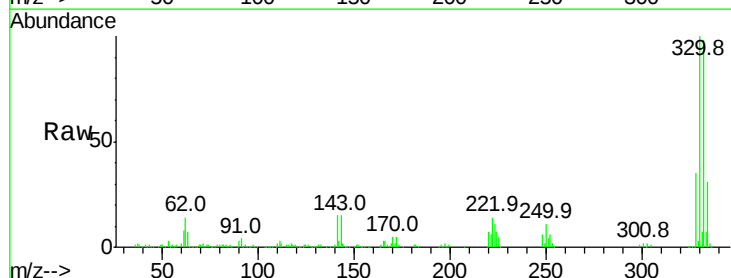
RT: 10.77 min Scan# 760

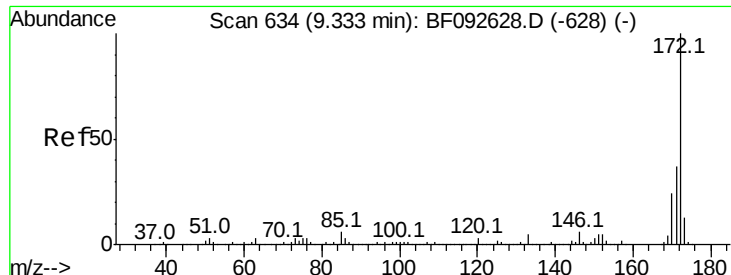
Delta R.T. -0.03 min

Lab File: BF092742.D

Acq: 2 Feb 2017 18:32

Tgt Ion:	330	Resp:	341828
Ion Ratio	Lower	Upper	
330	100		
332	96.5	77.4	116.2
141	33.0	34.1	51.1#





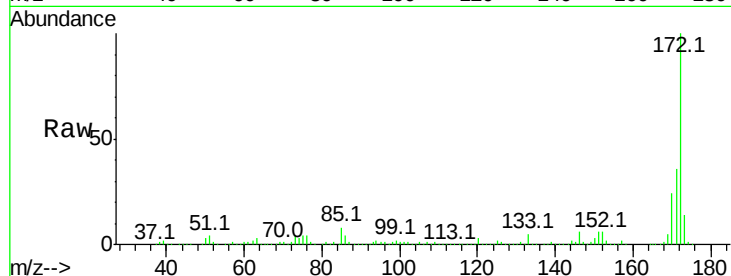
#44
2-Fluorobiphenyl
Concen: 87.78 ng
RT: 9.30 min Scan# 631
Delta R.T. -0.03 min
Lab File: BF092742.D
Acq: 2 Feb 2017 18:32

Instrument :
BNA_F
ClientSampleId :
SP-COMP-1A-0-2FT

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.4	44.0
170	24.0	20.2	30.4

Manual Integrations
APPROVED

mohammad
2/3/2017 1:22:27 PM

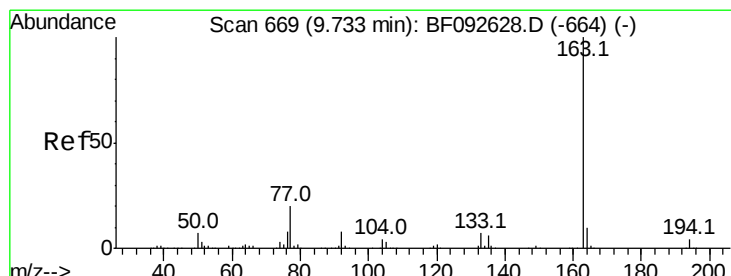
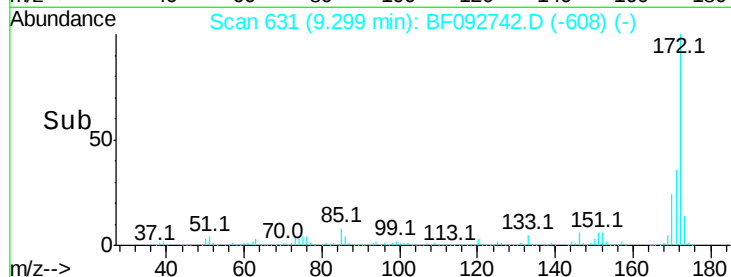
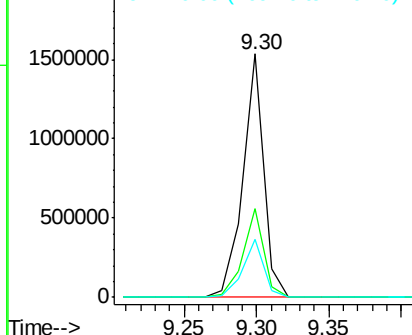


Abundance

Ion 172.00 (171.70 to 172.70): E

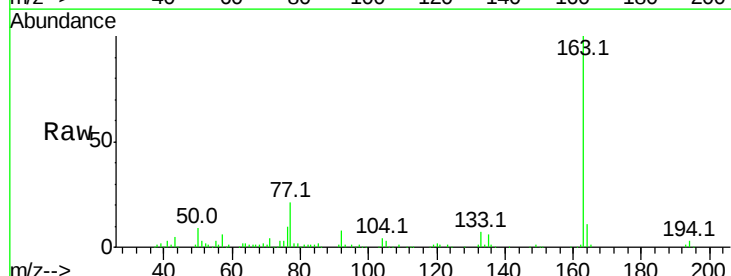
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#49
Dimethylphthalate
Concen: 6.91 ng
RT: 9.69 min Scan# 665
Delta R.T. -0.05 min
Lab File: BF092742.D
Acq: 2 Feb 2017 18:32

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.5	3.0	4.4
164	10.5	8.0	12.0

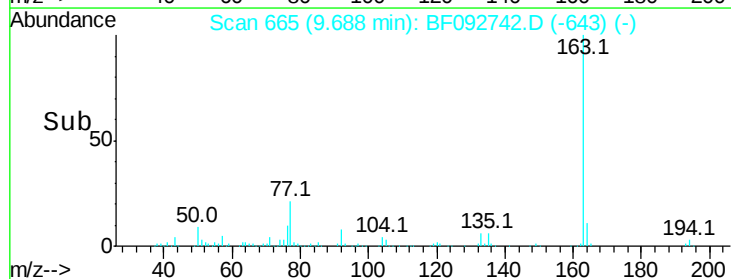
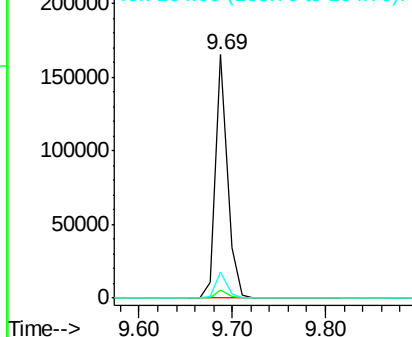


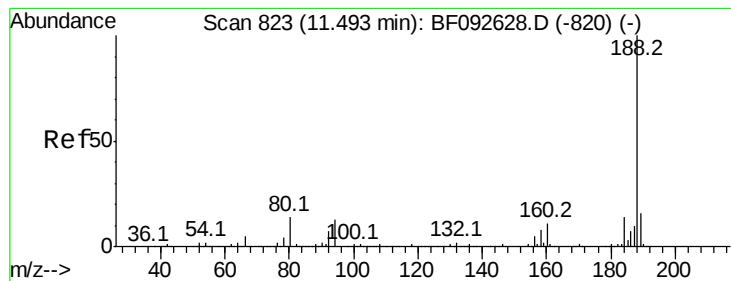
Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.46 min Scan# 820

Delta R.T. -0.03 min

Lab File: BF092742.D

Acq: 2 Feb 2017 18:32

Instrument :

BNA_F

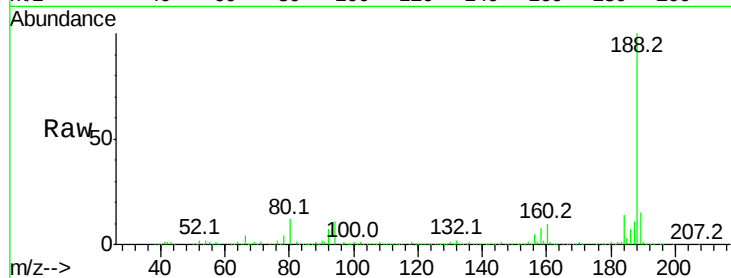
ClientSampleId :

SP-COMP-1A-0-2FT

Tot Ion:	188	Resp:	485320
Ion Ratio	Lower	Upper	
188	100		
94	11.3	10.0	15.0
80	12.5	11.2	16.8

Manual Integrations
APPROVED

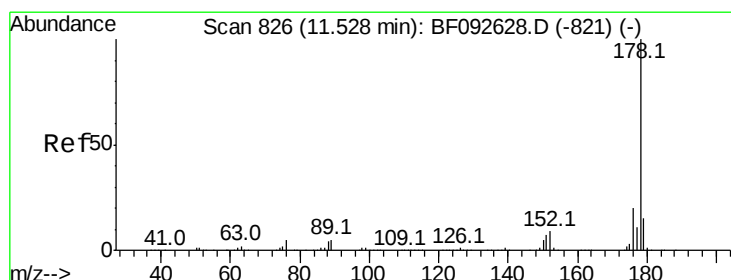
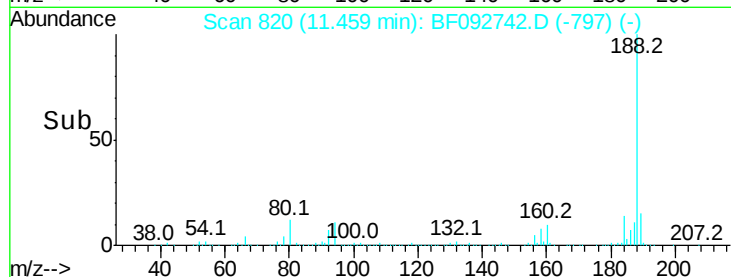
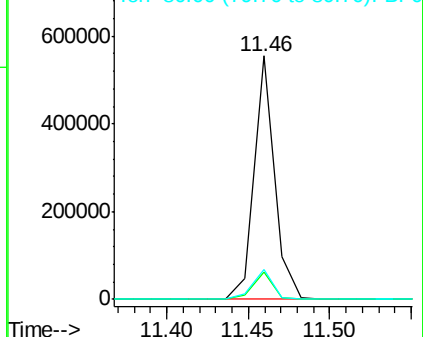
mohammad
2/3/2017 1:22:27 PM



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#70

Phenanthrene

Concen: 5.39 ng

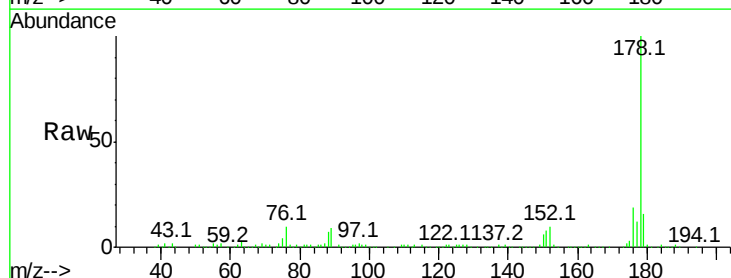
RT: 11.48 min Scan# 822

Delta R.T. -0.05 min

Lab File: BF092742.D

Acq: 2 Feb 2017 18:32

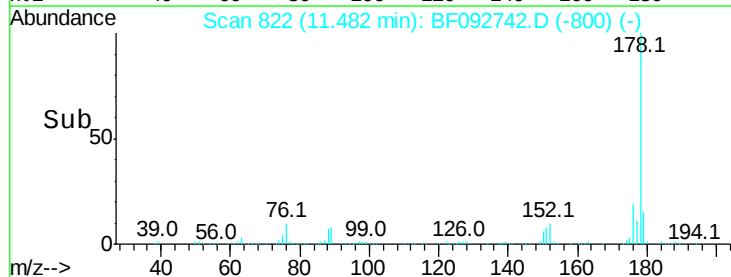
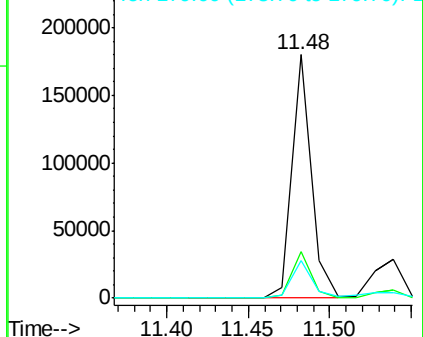
Tgt Ion:	178	Resp:	149740
Ion Ratio	Lower	Upper	
178	100		
176	19.2	16.6	25.0
179	15.6	12.8	19.2

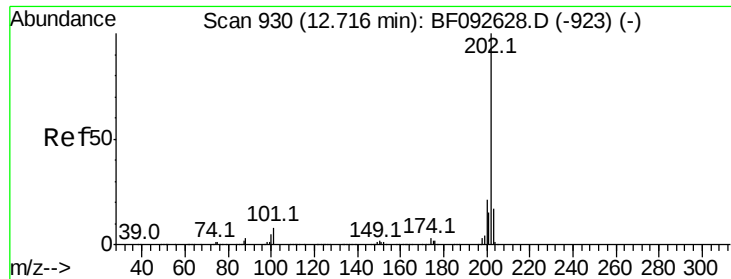


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 6.19 ng

RT: 12.67 min Scan# 926

Delta R.T. -0.05 min

Lab File: BF092742.D

Acq: 2 Feb 2017 18:32

Instrument :

BNA_F

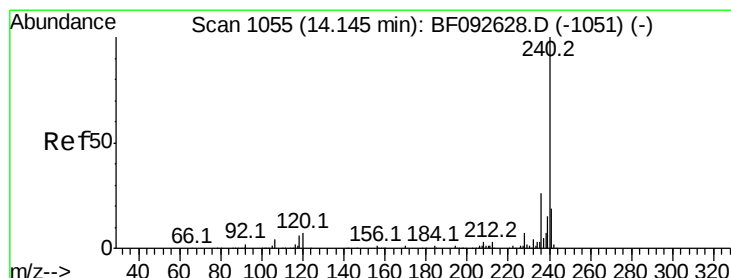
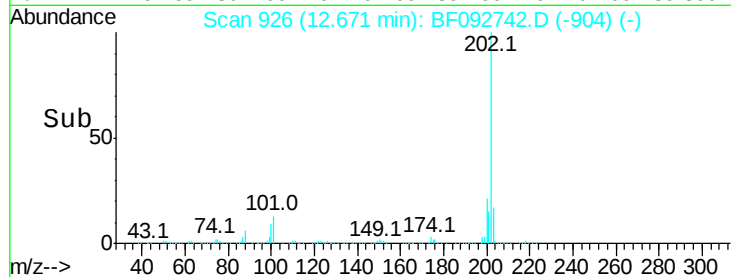
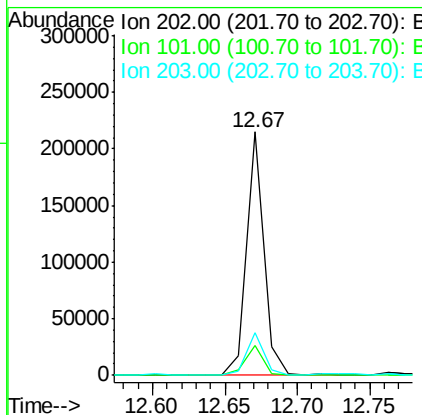
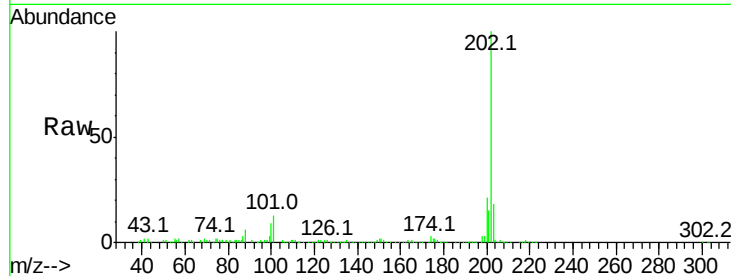
ClientSampleId :

SP-COMP-1A-0-2FT

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.5	0.0	34.6
203	17.6	0.0	38.7

Manual Integrations
APPROVED

mohammad
2/3/2017 1:22:27 PM



#75

Chrysene-d12

Concen: 20.00 ng

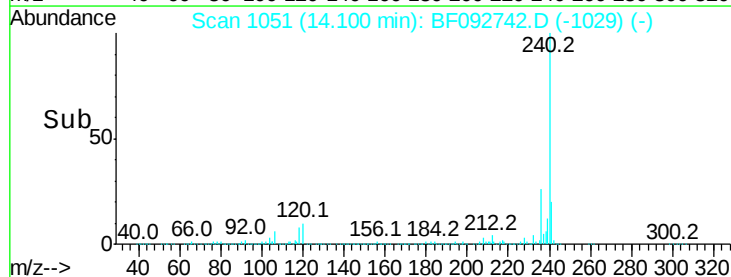
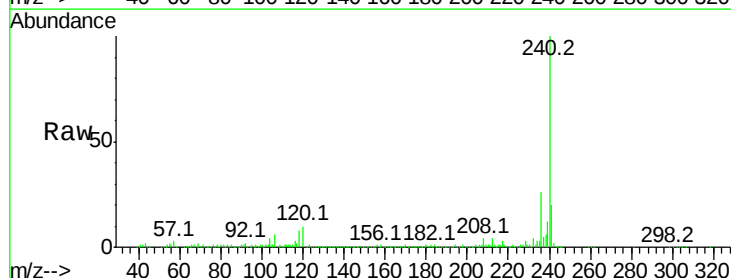
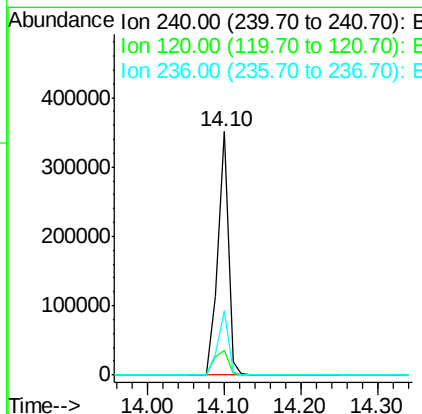
RT: 14.10 min Scan# 1051

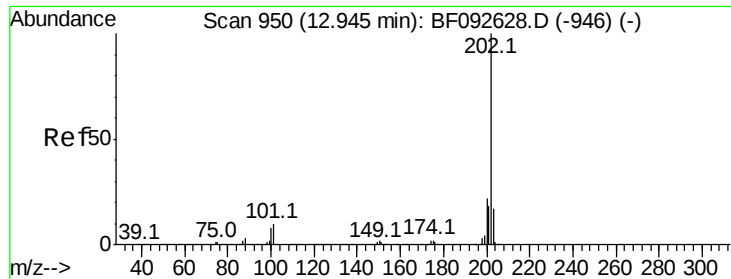
Delta R.T. -0.05 min

Lab File: BF092742.D

Acq: 2 Feb 2017 18:32

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	10.3	12.9	19.3#
236	26.3	20.9	31.3





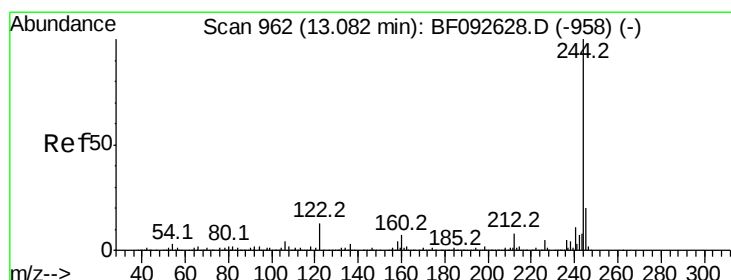
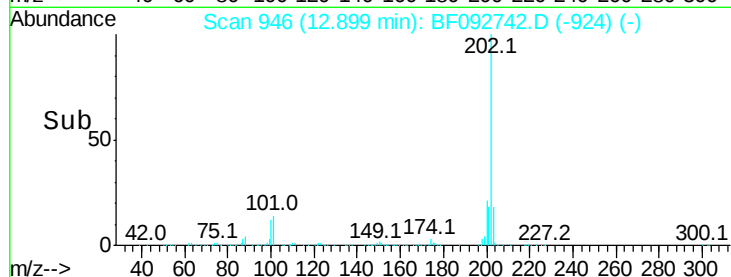
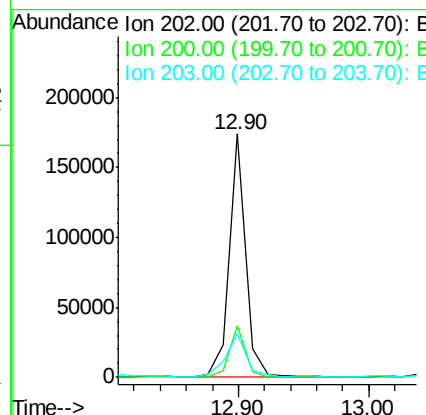
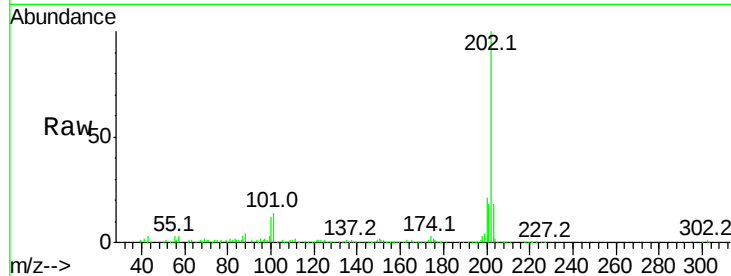
#77
Pvrene
Concen: 6.02 ng
RT: 12.90 min Scan# 946
Delta R.T. -0.05 min
Lab File: BF092742.D
Acq: 2 Feb 2017 18:32

Instrument :
BNA_F
ClientSampleId :
SP-COMP-1A-0-2FT

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.7	26.5
203	18.2	14.7	22.1

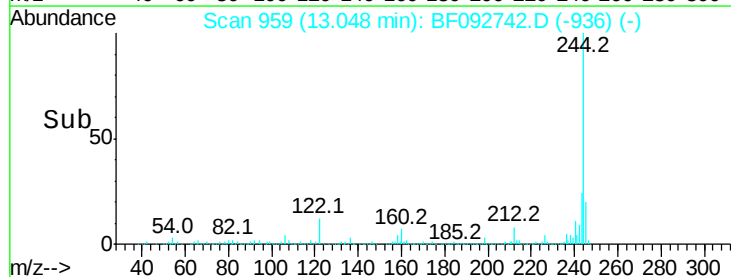
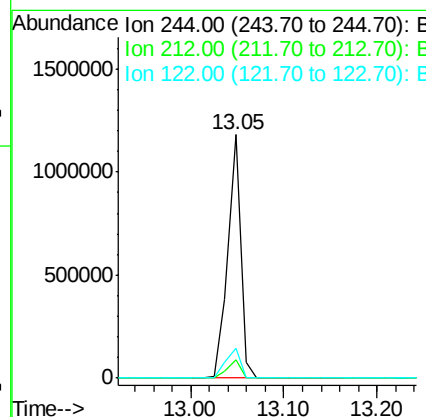
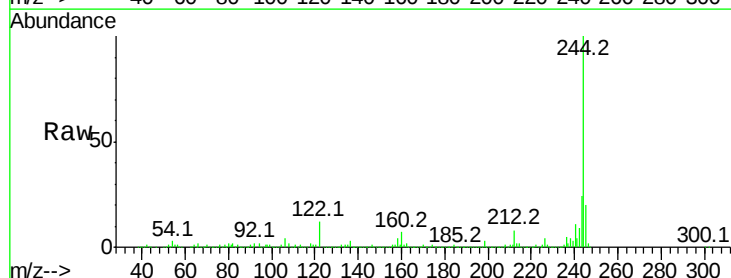
Manual Integrations
APPROVED

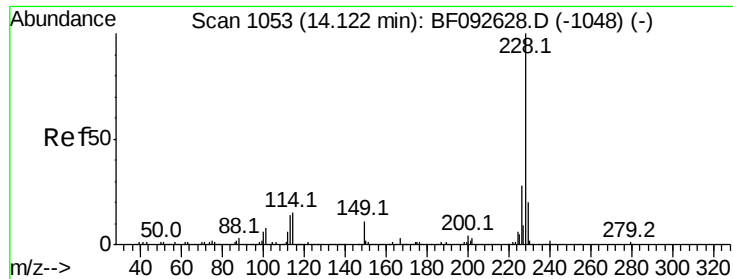
mohammad
2/3/2017 1:22:27 PM



#78
Terphenyl-d14
Concen: 79.01 ng
RT: 13.05 min Scan# 959
Delta R.T. -0.03 min
Lab File: BF092742.D
Acq: 2 Feb 2017 18:32

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.2	9.2
122	12.1	11.4	17.2





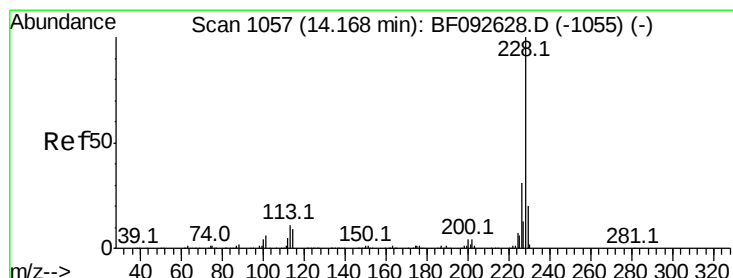
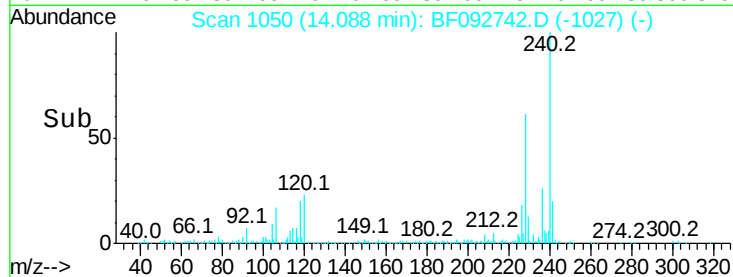
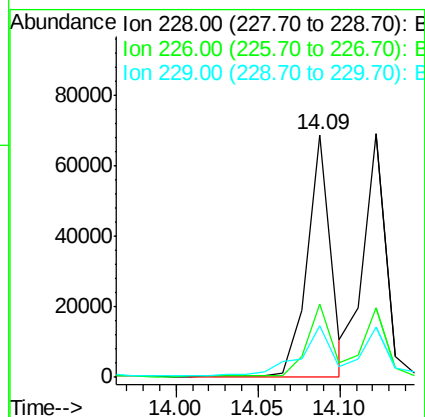
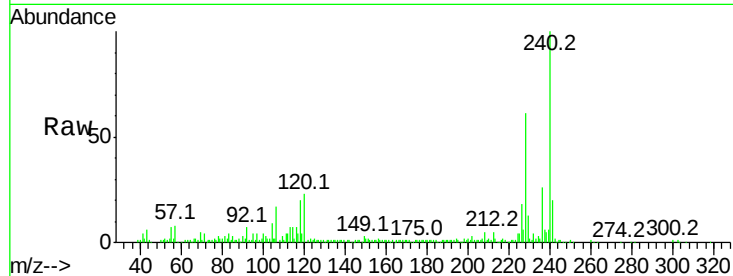
#80
Benzo(a)anthracene
Concen: 3.39 ng m
RT: 14.09 min Scan# 1050
Delta R.T. -0.03 min
Lab File: BF092742.D
Acq: 2 Feb 2017 18:32

Instrument :
BNA_F
ClientSampleId :
SP-COMP-1A-0-2FT

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.2	22.4	33.6
229	21.4	16.2	24.4

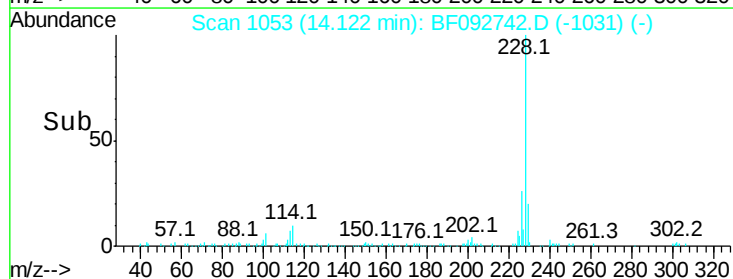
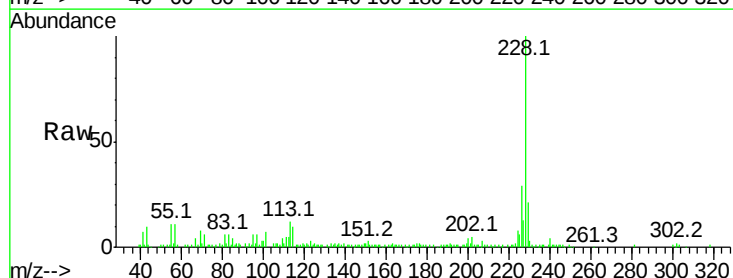
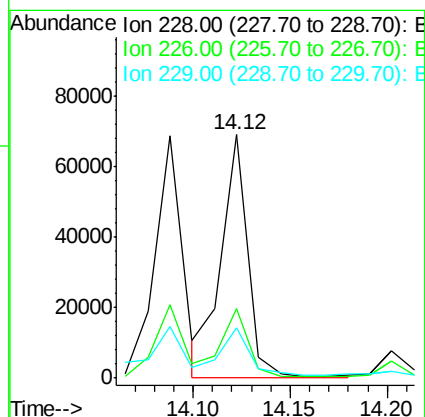
Manual Integrations
APPROVED

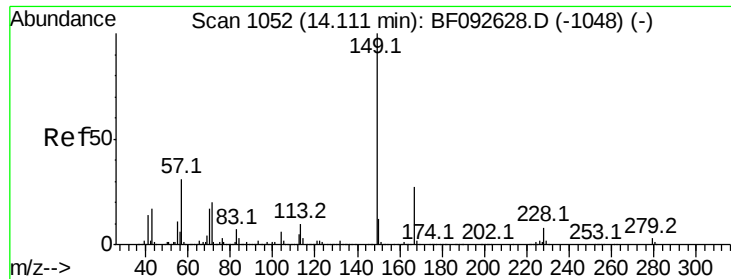
mohammad
2/3/2017 1:22:27 PM



#82
Chrysene
Concen: 3.47 ng m
RT: 14.12 min Scan# 1053
Delta R.T. -0.05 min
Lab File: BF092742.D
Acq: 2 Feb 2017 18:32

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.7	25.4	38.0
229	20.8	16.2	24.2





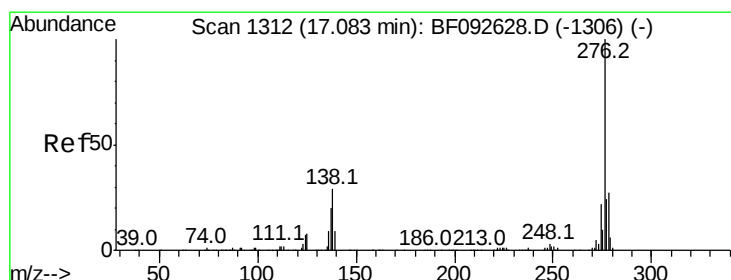
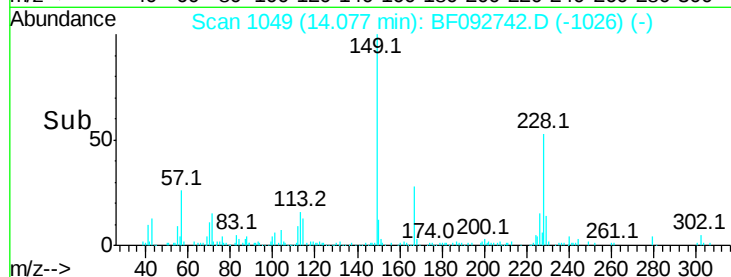
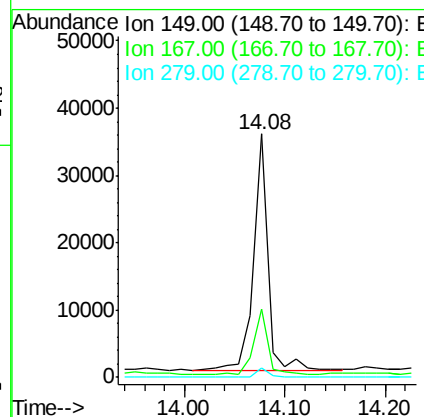
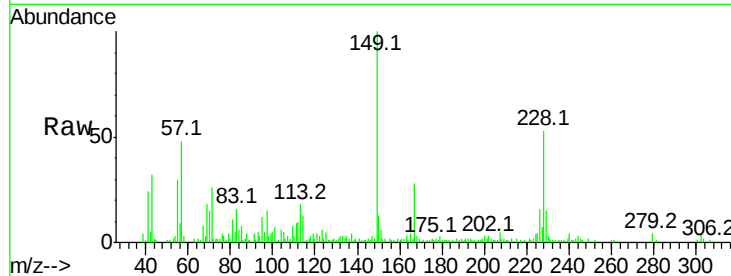
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.47 ng
 RT: 14.08 min Scan# 1049
 Delta R.T. -0.03 min
 Lab File: BF092742.D
 Acq: 2 Feb 2017 18:32

Instrument :
 BNA_F
 ClientSampleId :
 SP-COMP-1A-0-2FT

Tot Ion	Ratio	Lower	Upper
149	100		
167	28.1	20.2	30.4
279	3.8	1.8	2.8

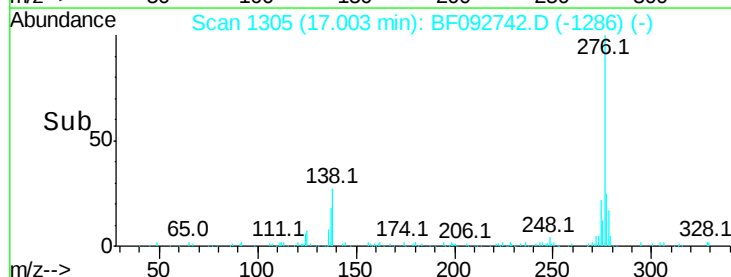
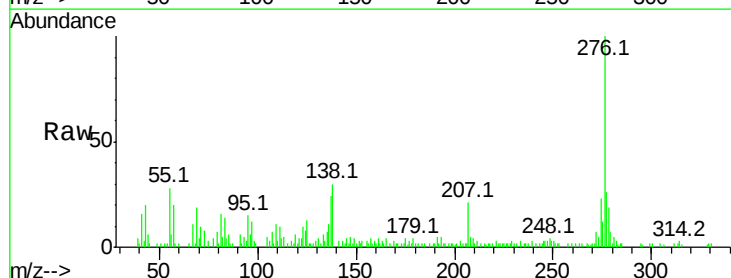
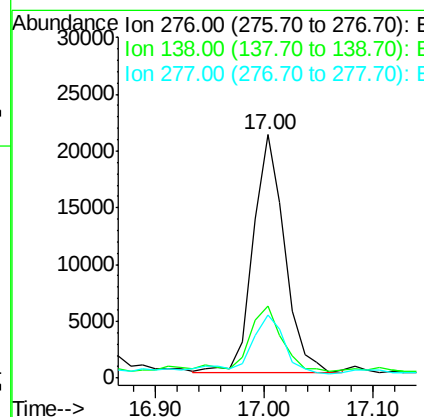
Manual Integrations
 APPROVED

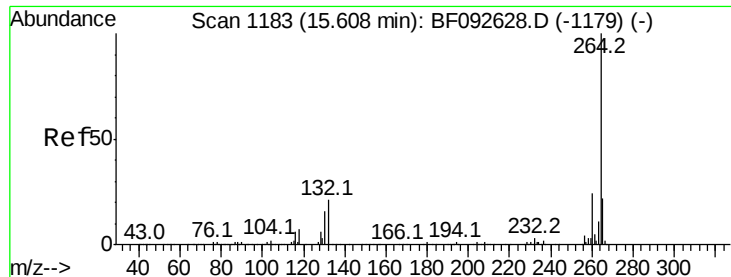
mohammad
 2/3/2017 1:22:27 PM



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.81 ng
 RT: 17.00 min Scan# 1305
 Delta R.T. -0.08 min
 Lab File: BF092742.D
 Acq: 2 Feb 2017 18:32

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.9	21.8	32.6
277	28.7	20.2	30.4





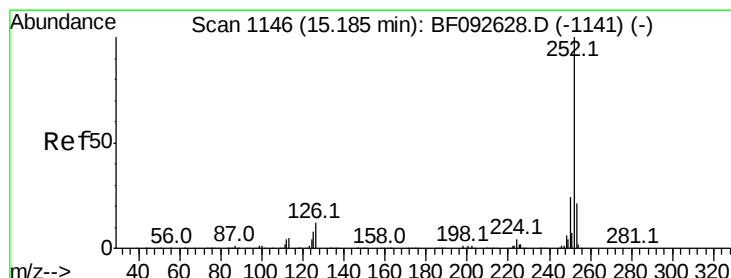
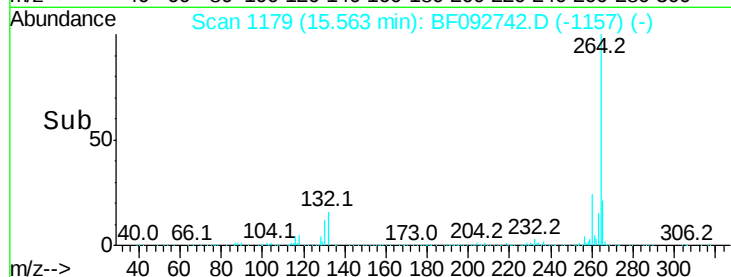
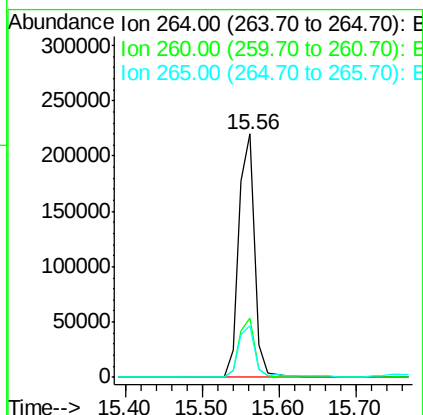
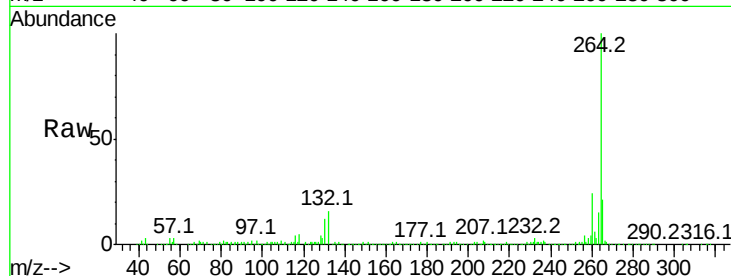
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.56 min Scan# 1179
Delta R.T. -0.05 min
Lab File: BF092742.D
Acq: 2 Feb 2017 18:32

Instrument :
BNA_F
ClientSampleId :
SP-COMP-1A-0-2FT

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	21.2	17.4	26.0

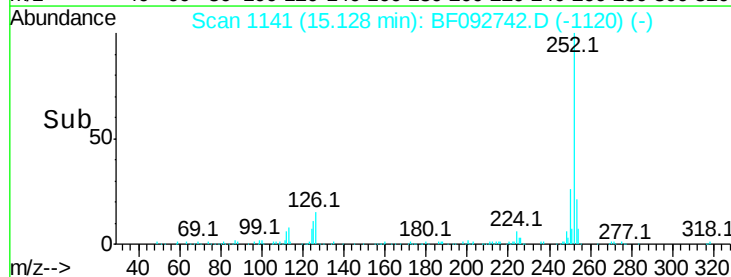
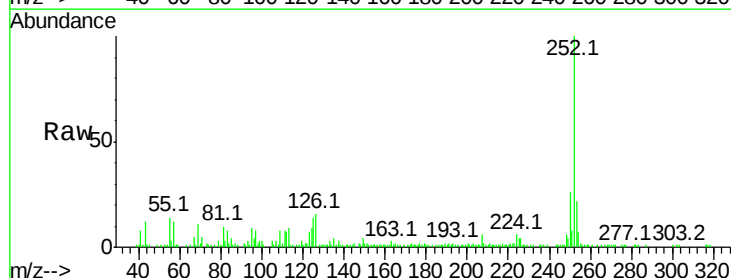
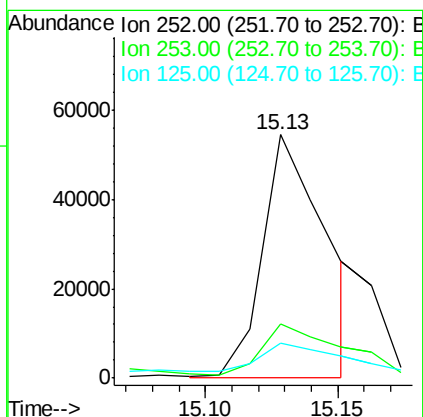
Manual Integrations
APPROVED

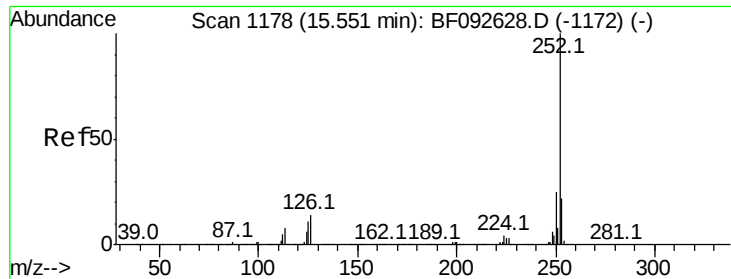
mohammad
2/3/2017 1:22:27 PM



#87
Benzo(b)fluoranthene
Concen: 4.32 ng m
RT: 15.13 min Scan# 1141
Delta R.T. -0.06 min
Lab File: BF092742.D
Acq: 2 Feb 2017 18:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.2	27.4
125	14.3	9.8	14.6





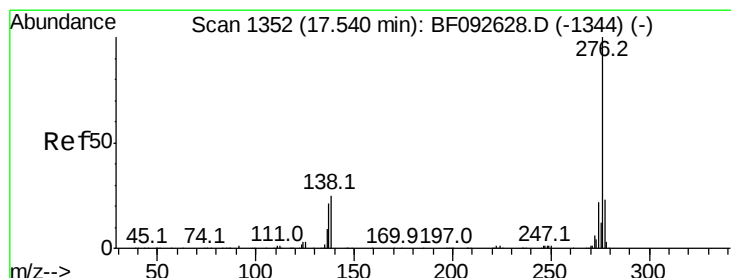
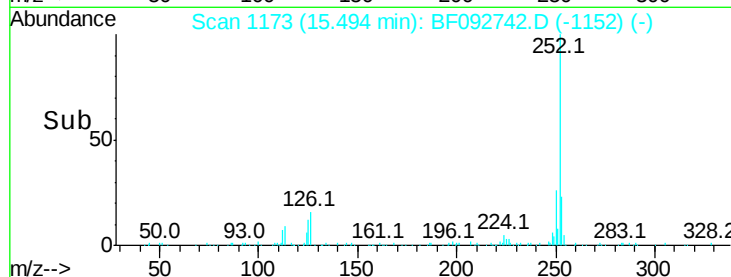
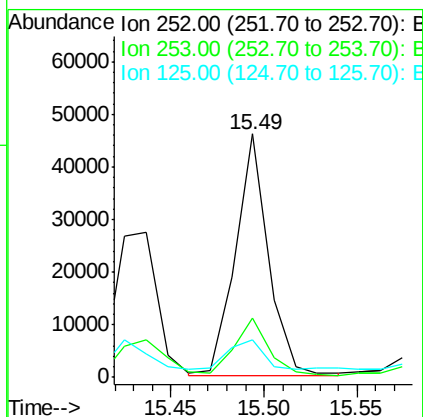
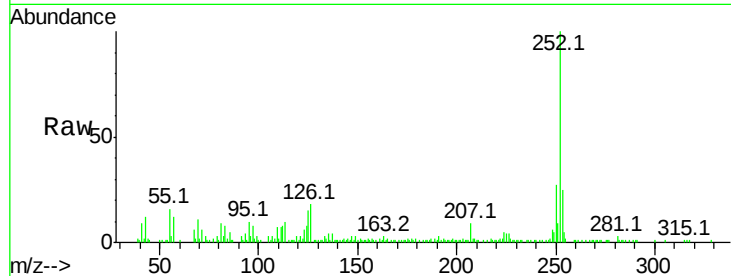
#89
Benzo(a)pyrene
Concen: 3.12 ng
RT: 15.49 min Scan# 1173
Delta R.T. -0.06 min
Lab File: BF092742.D
Acq: 2 Feb 2017 18:32

Instrument :
BNA_F
ClientSampleId :
SP-COMP-1A-0-2FT

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.6	18.2	27.2
125	15.4	10.0	15.0

Manual Integrations
APPROVED

mohammad
2/3/2017 1:22:27 PM



#91
Benzo(g,h,i)perylene
Concen: 3.06 ng
RT: 17.45 min Scan# 1344
Delta R.T. -0.09 min
Lab File: BF092742.D
Acq: 2 Feb 2017 18:32

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.6	19.2	28.8
138	29.2	16.0	24.0

