

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012417\
 Data File : BF092436.D
 Acq On : 24 Jan 2017 18:37
 Operator : UM/SJ
 Sample : I1329-07RE
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S2-0-3FT-COMP

Manual Integrations
 APPROVED

mohammad
 1/25/2017 3:49:44 PM

Quant Time: Jan 24 19:09:01 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	167173	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	669285	20.00	ng	-0.01
38) Acenaphthene-d10	10.03	164	359278	20.00	ng	0.00
63) Phenanthrene-d10	11.52	188	520594	20.00	ng	-0.01
75) Chrysene-d12	14.16	240	372237	20.00	ng	-0.01
86) Perylene-d12	15.63	264	333821	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	321860	29.95	ng	0.01
7) Phenol-d6	6.59	99	1239938	90.60	ng	0.00
23) Nitrobenzene-d5	7.53	82	996411	81.32	ng	-0.01
41) 2,4,6-Tribromophenol	10.82	330	37848	15.46	ng	0.00
44) 2-Fluorobiphenyl	9.34	172	1275549	65.65	ng	-0.01
78) Terphenyl-d14	13.11	244	1156060	82.70	ng	-0.01
Target Compounds						Qvalue
10) Phenol	6.60	94	44187	2.67	ng	# 61
30) 1,2,4-Trichlorobenzene	8.20	180	33635	3.21	ng	98
31) Naphthalene	8.28	128	130979	3.82	ng	99
37) 2-Methylnaphthalene	8.98	142	84067	3.88	ng	94
49) Dimethylphthalate	9.74	163	345738	15.13	ng	# 99
70) Phenanthrene	11.54	178	217719	7.59	ng	98
74) Fluoranthene	12.73	202	215102	7.67	ng	97
77) Pyrene	12.96	202	195168	7.24	ng	98
80) Benzo(a)anthracene	14.15	228	88666	4.43	ng	96
82) Chrysene	14.18	228	95432m	4.47	ng	
83) Bis(2-ethylhexyl)phthalate	14.13	149	382580	27.80	ng	# 95
85) Indeno(1,2,3-cd)pyrene	17.11	276	48510	3.07	ng	# 91
87) Benzo(b)fluoranthene	15.20	252	91858m	4.29	ng	
89) Benzo(a)pyrene	15.56	252	65584	3.62	ng	# 84
91) Benzo(a,h,i)perylene	17.55	276	51491	3.47	ng	# 90

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

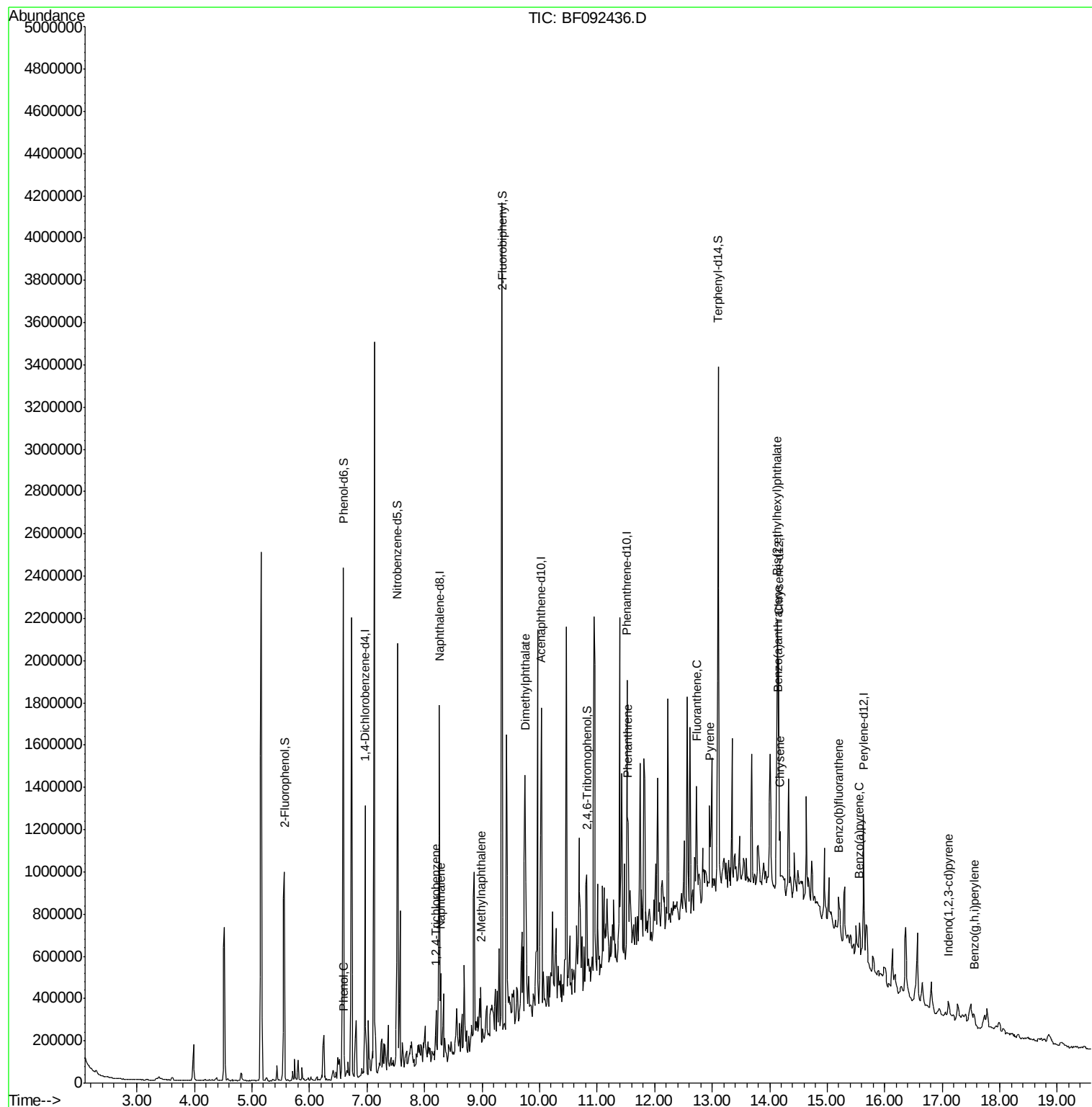
Data Path : Z:\HPCHEM1\BNA F\DATA\BF012417\
Data File : BF092436.D
Acq On : 24 Jan 2017 18:37
Operator : UM/SJ
Sample : I1329-07RE
Misc :
ALS Vial : 18 Sample Multiplier: 1

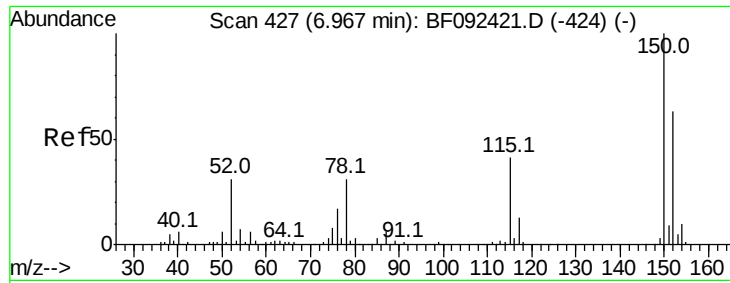
Instrument :
BNA_F
ClientSampleId :
S2-0-3FT-COMPRE

Manual Integrations
APPROVED

mohammad
1/25/2017 3:49:44 PM

Quant Time: Jan 24 19:09:01 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

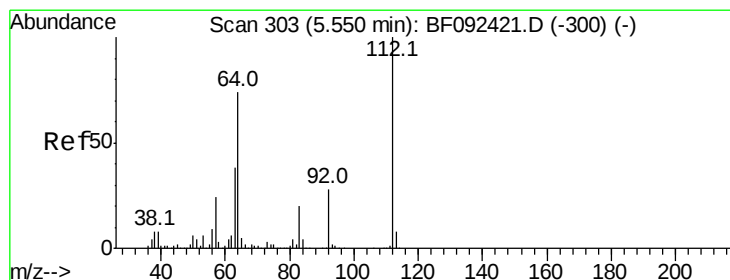
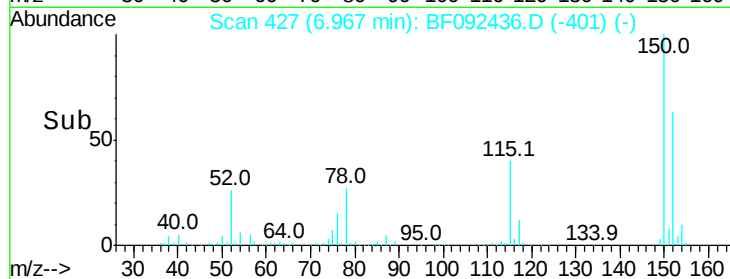
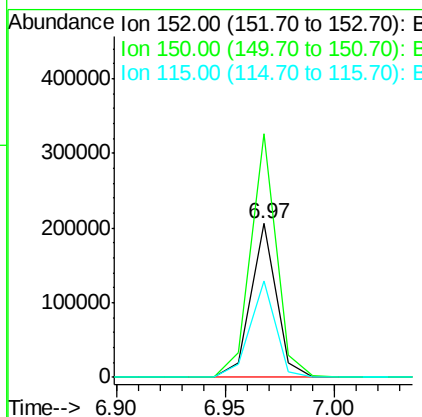
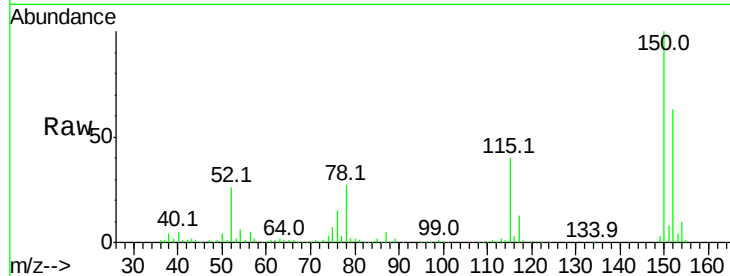
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.97 min Scan# 427
Delta R.T. 0.00 min
Lab File: BF092436.D
Acq: 24 Jan 2017 18:37

Instrument :
BNA_F
ClientSampleId :
S2-0-3FT-COMPRE

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.7	124.9	187.3
115	62.8	46.0	69.0

Manual Integrations
APPROVED

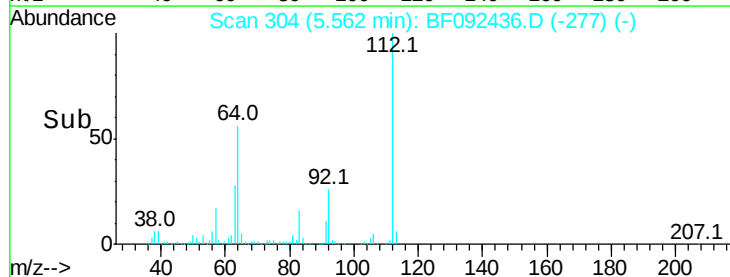
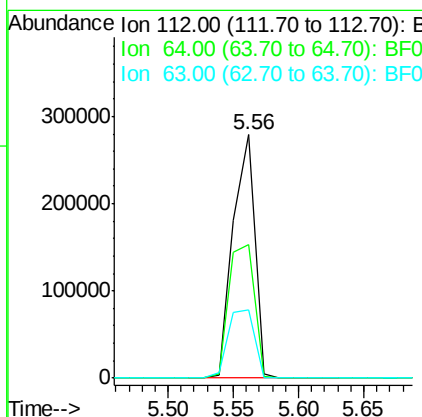
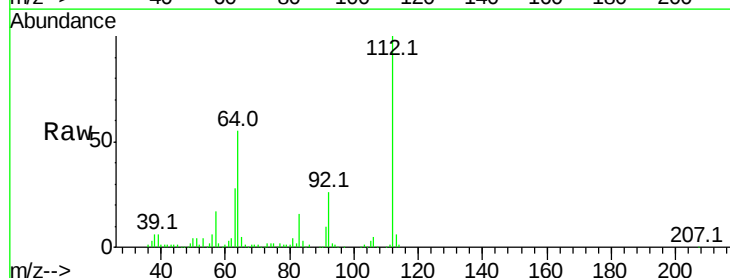
mohammad
1/25/2017 3:49:44 PM

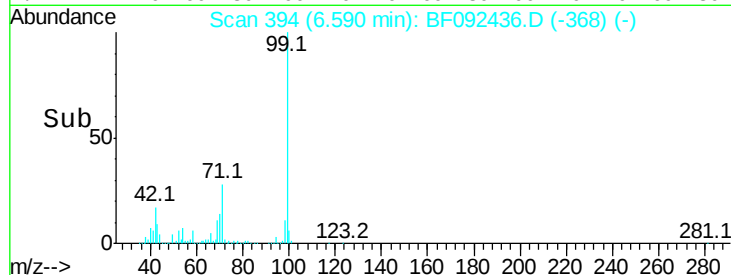
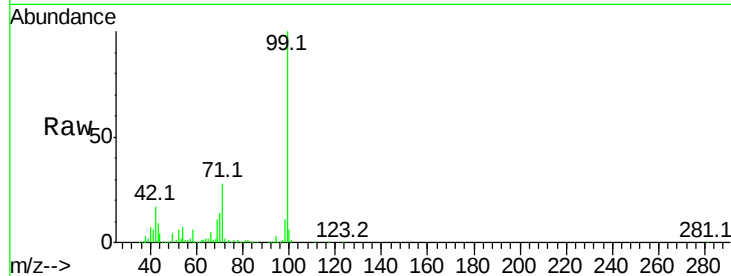
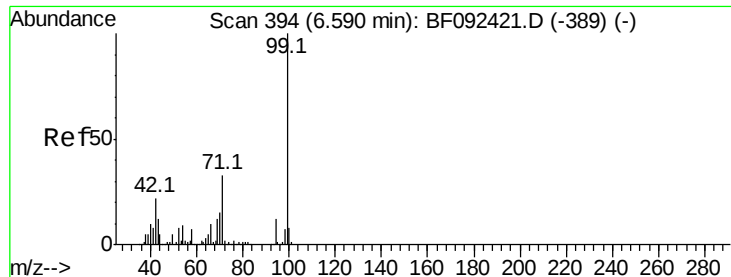


#5

2-Fluorophenol
Concen: 29.95 ng
RT: 5.56 min Scan# 304
Delta R.T. 0.01 min
Lab File: BF092436.D
Acq: 24 Jan 2017 18:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.0	46.1	69.1
63	27.8	23.8	35.6





#7

Phenol-d6

Concen: 90.60 ng

RT: 6.59 min Scan# 394

Delta R.T. 0.00 min

Lab File: BF092436.D

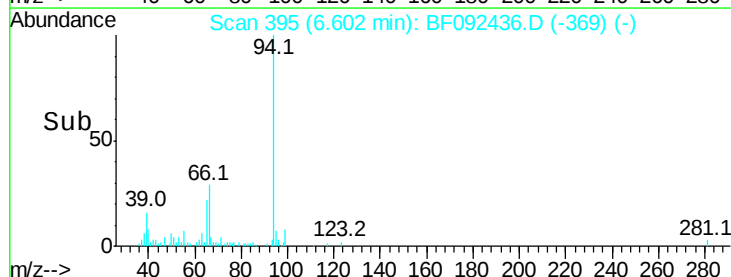
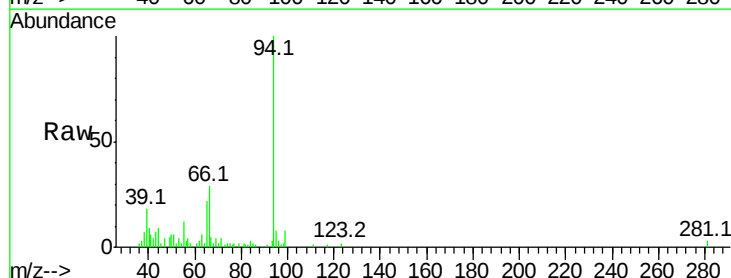
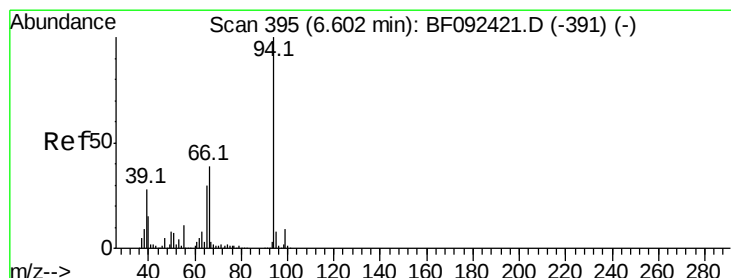
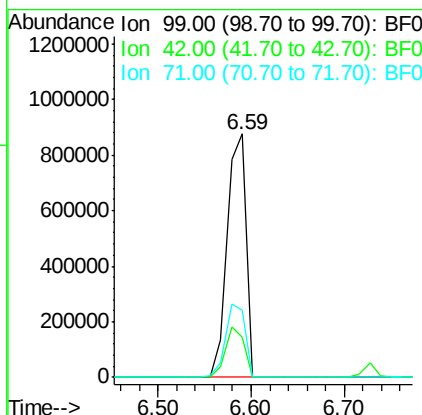
Acq: 24 Jan 2017 18:37

Tot Ion:	99	Resp:	1239938
Ion	Ratio	Lower	Upper
99	100		
42	16.6	15.6	23.4
71	27.6	27.5	41.3

Instrument :
BNA_F
ClientSampleId :
S2-0-3FT-COMPRE

Manual Integrations
APPROVED

mohammad
1/25/2017 3:49:44 PM



#10

Phenol

Concen: 2.67 ng

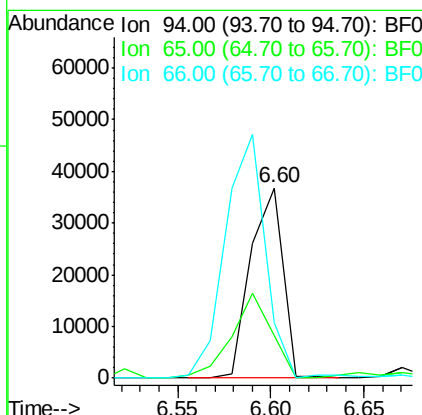
RT: 6.60 min Scan# 395

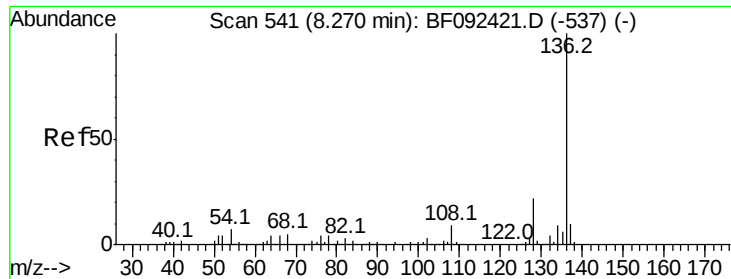
Delta R.T. 0.00 min

Lab File: BF092436.D

Acq: 24 Jan 2017 18:37

Tgt Ion:	94	Resp:	44187
Ion	Ratio	Lower	Upper
94	100		
65	22.2	21.4	61.4
66	29.0	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: BF092436.D

Acq: 24 Jan 2017 18:37

Instrument :

BNA_F

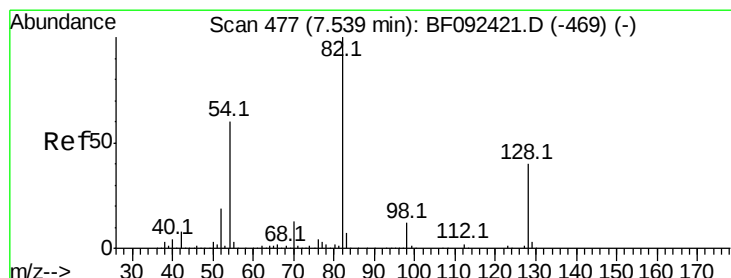
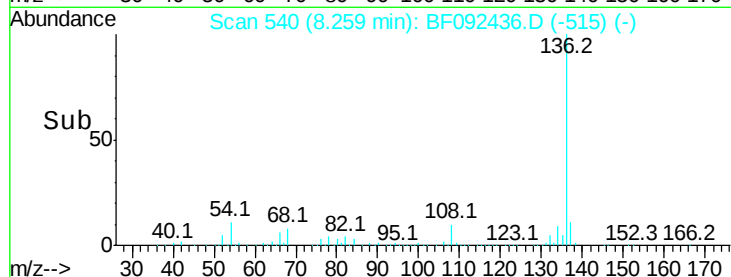
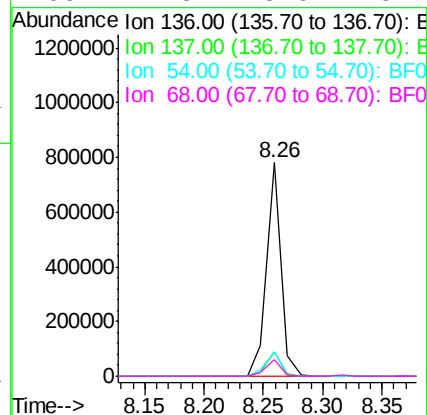
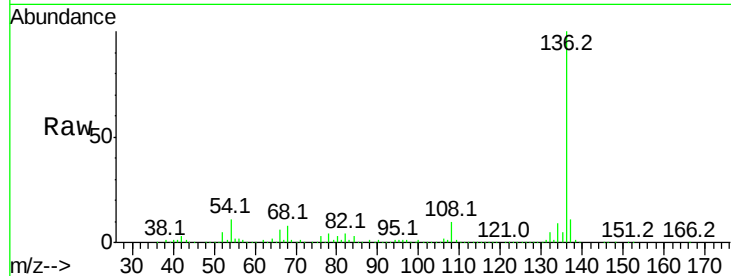
ClientSampleId :

S2-0-3FT-COMPRE

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.3	8.4	12.6	
54	11.2	4.5	6.7#	
68	7.8	3.6	5.4#	

Manual Integrations
APPROVED

mohammad
1/25/2017 3:49:44 PM



#23

Nitrobenzene-d5

Concen: 81.32 ng

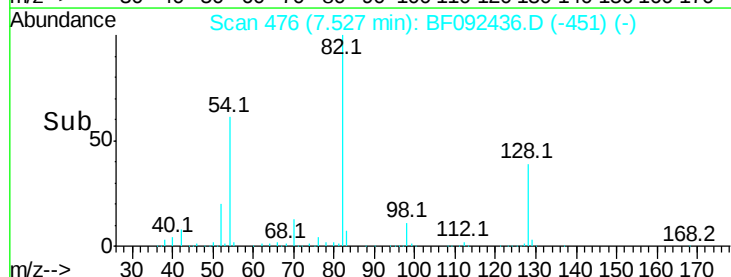
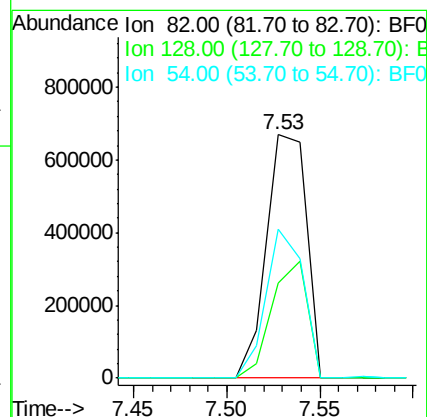
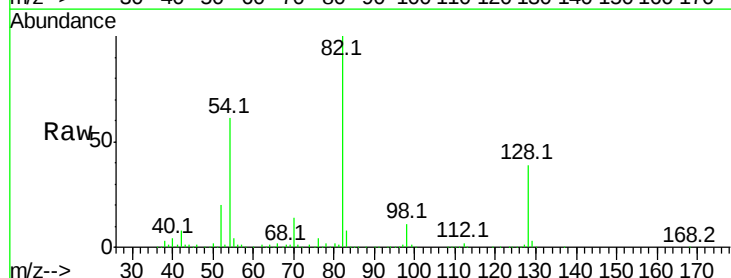
RT: 7.53 min Scan# 476

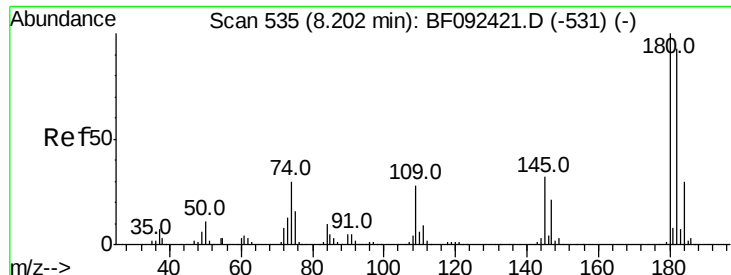
Delta R.T. -0.01 min

Lab File: BF092436.D

Acq: 24 Jan 2017 18:37

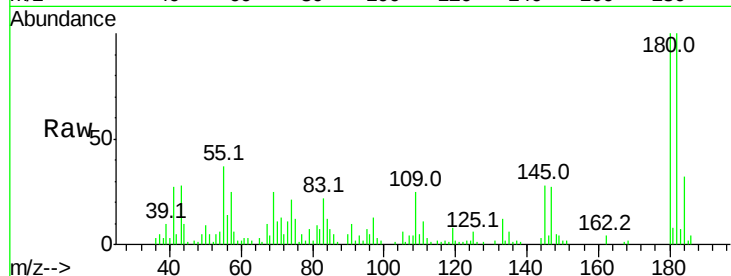
Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	39.1	34.6	52.0	
54	61.2	39.5	59.3#	





#30
 1,2,4-Trichlorobenzene
 Concen: 3.21 ng
 RT: 8.20 min Scan# 535
 Delta R.T. 0.00 min
 Lab File: BF092436.D
 Acq: 24 Jan 2017 18:37

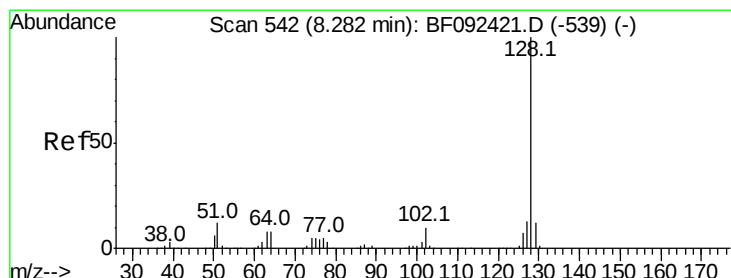
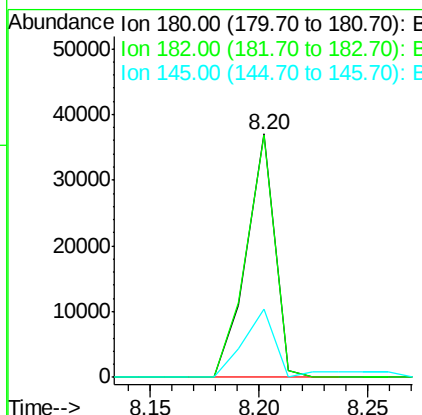
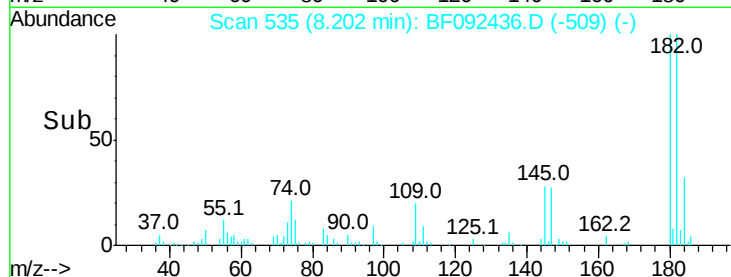
Instrument :
 BNA_F
 ClientSampleId :
 S2-0-3FT-COMPRE



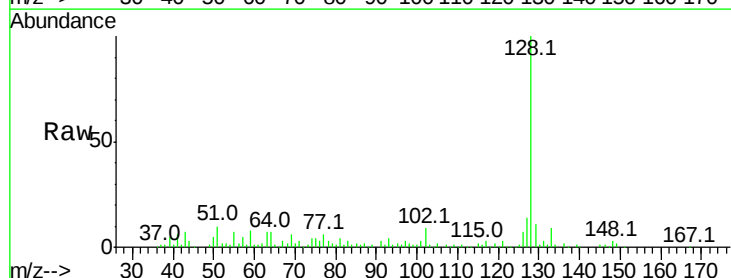
Tot Ion	Ratio	Lower	Upper
180	100		
182	99.7	78.2	117.4
145	27.8	21.6	32.4

Manual Integrations
 APPROVED

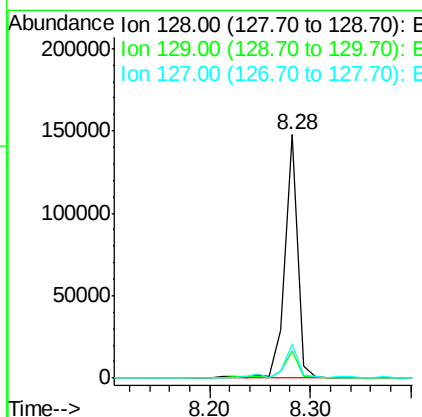
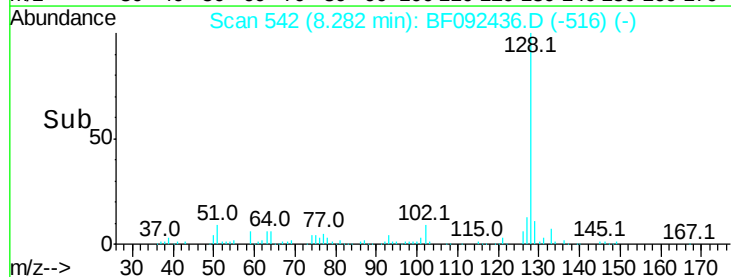
mohammad
 1/25/2017 3:49:44 PM

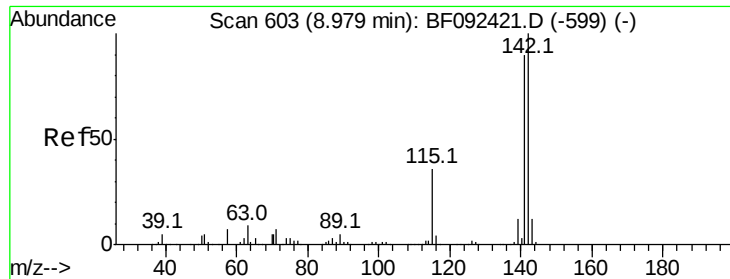


#31
 Naphthalene
 Concen: 3.82 ng
 RT: 8.28 min Scan# 542
 Delta R.T. 0.00 min
 Lab File: BF092436.D
 Acq: 24 Jan 2017 18:37



Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.5	14.3
127	13.8	10.8	16.2





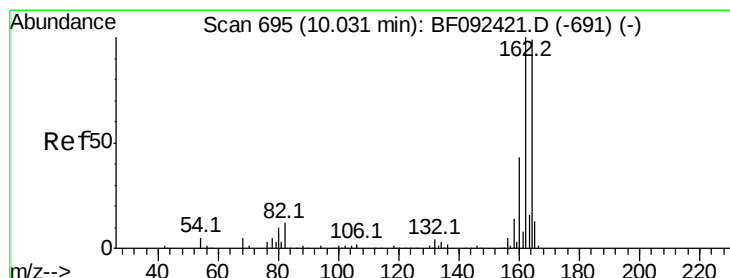
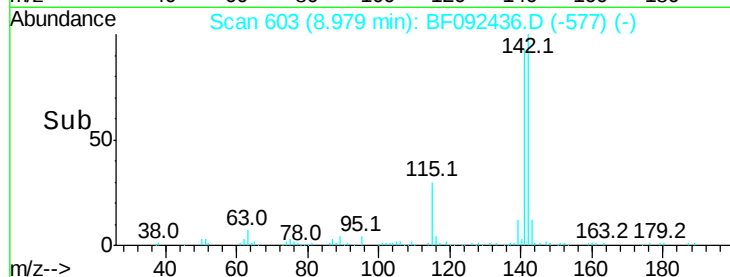
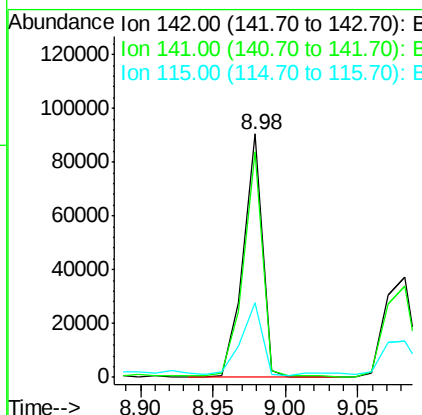
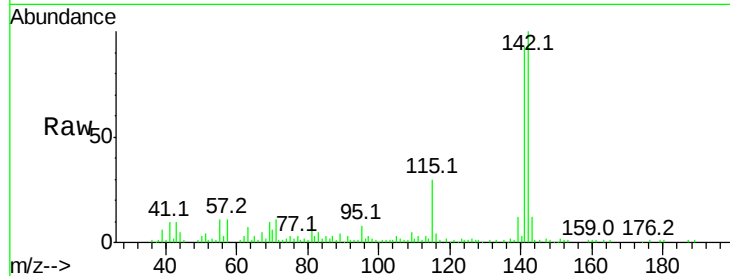
#37
2-Methylnaphthalene
Concen: 3.88 ng
RT: 8.98 min Scan# 603
Delta R.T. 0.00 min
Lab File: BF092436.D
Acq: 24 Jan 2017 18:37

Instrument :
BNA_F
ClientSampleId :
S2-0-3FT-COMPRE

Tot Ion	Ratio	Lower	Upper
142	100		
141	92.9	71.0	106.6
115	30.5	28.3	42.5

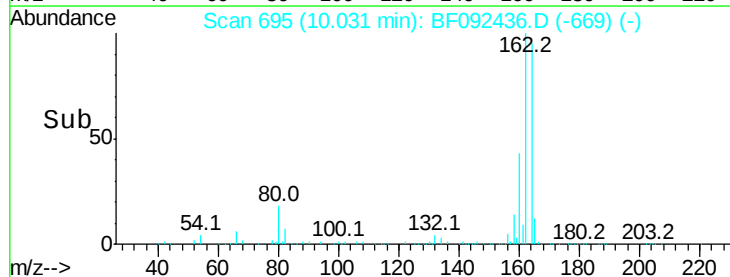
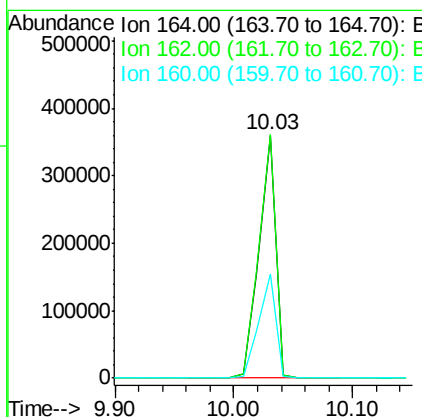
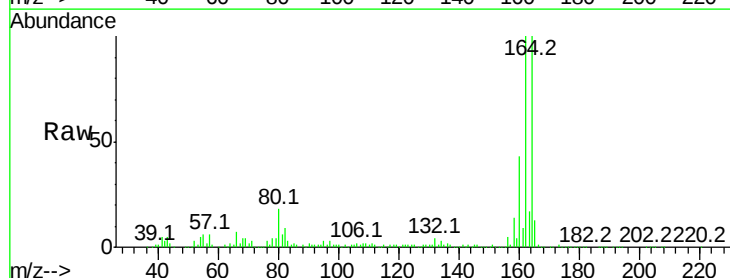
Manual Integrations
APPROVED

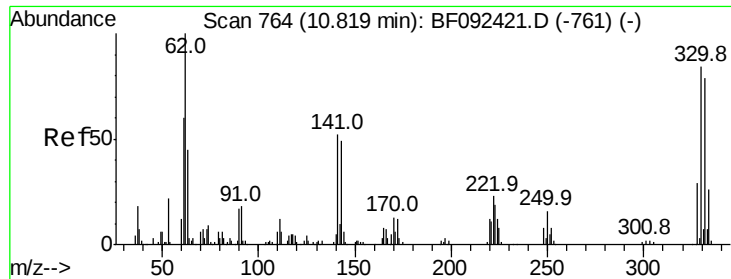
mohammad
1/25/2017 3:49:44 PM



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.03 min Scan# 695
Delta R.T. 0.00 min
Lab File: BF092436.D
Acq: 24 Jan 2017 18:37

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.5	80.2	120.2
160	43.2	36.9	55.3





#41

2,4,6-Tribromophenol

Concen: 15.46 ng

RT: 10.82 min Scan# 764

Delta R.T. 0.00 min

Lab File: BF092436.D

Acq: 24 Jan 2017 18:37

Instrument :

BNA_F

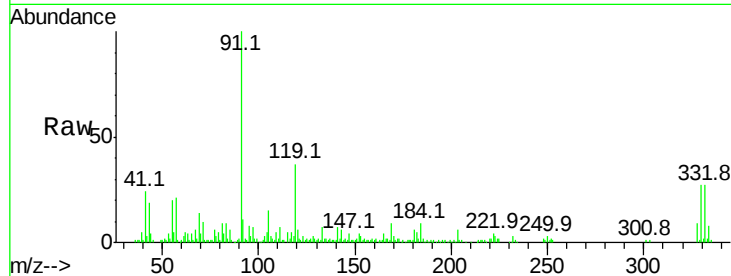
ClientSampleId :

S2-0-3FT-COMPRE

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.6	77.4	116.2
141	45.3	34.1	51.1

Manual Integrations
APPROVED

mohammad
1/25/2017 3:49:44 PM

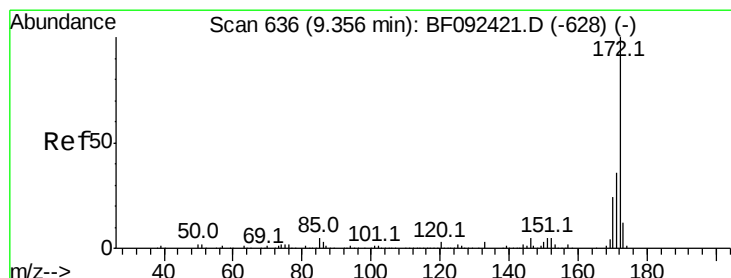
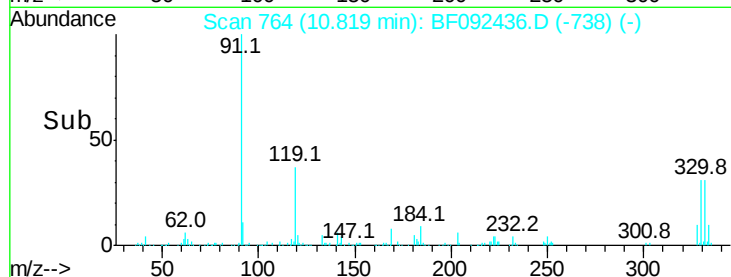
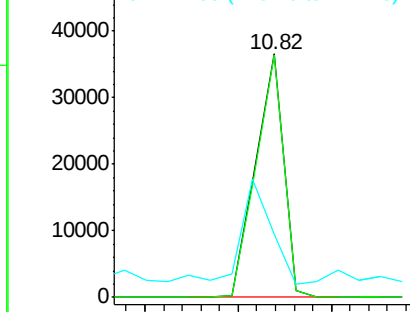


Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 65.65 ng

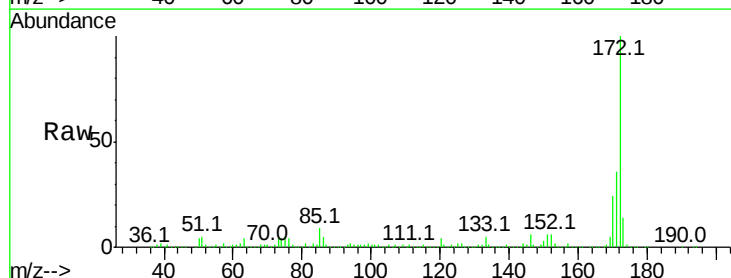
RT: 9.34 min Scan# 635

Delta R.T. -0.01 min

Lab File: BF092436.D

Acq: 24 Jan 2017 18:37

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.4	44.0
170	24.3	20.2	30.4

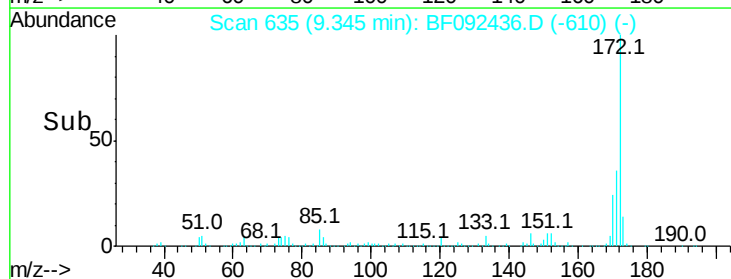
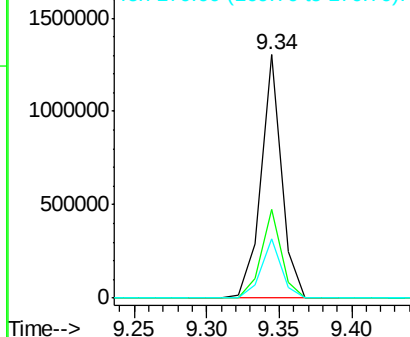


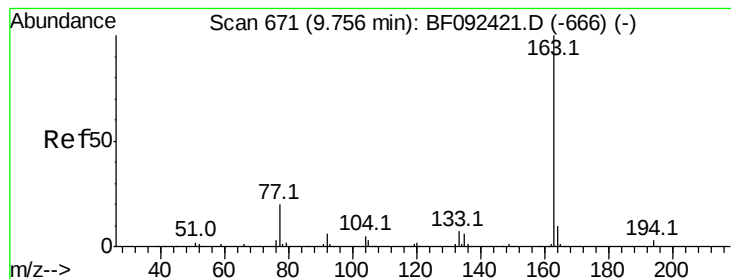
Abundance

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: 15.13 ng

RT: 9.74 min Scan# 670

Delta R.T. -0.01 min

Lab File: BF092436.D

Acq: 24 Jan 2017 18:37

Instrument :

BNA_F

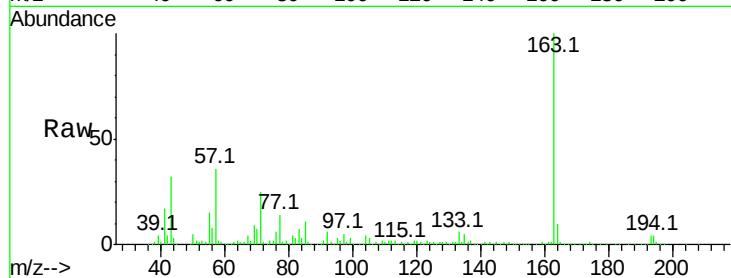
ClientSampleId :

S2-0-3FT-COMPRE

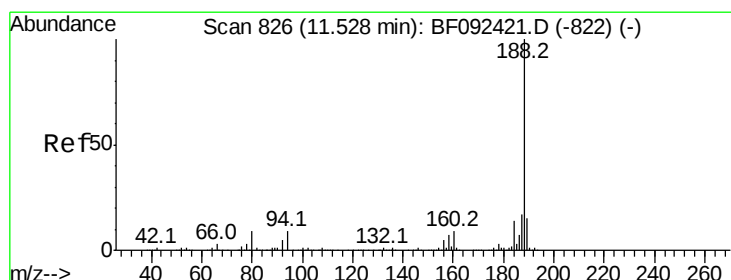
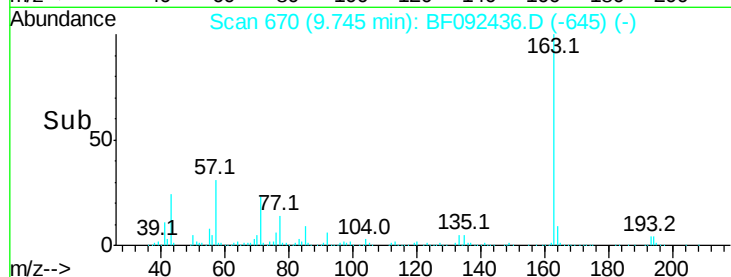
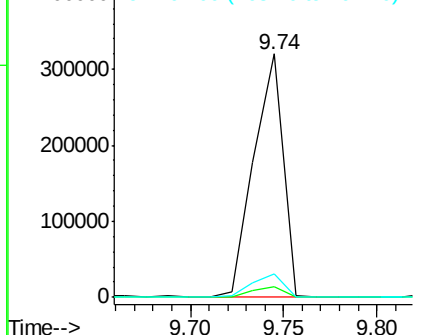
Tot Ion:	163	Resp:	345738
Ion Ratio	Lower	Upper	
163	100		
194	4.5	3.0	4.4#
164	9.6	8.0	12.0

Manual Integrations
APPROVED

mohammad
1/25/2017 3:49:44 PM



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

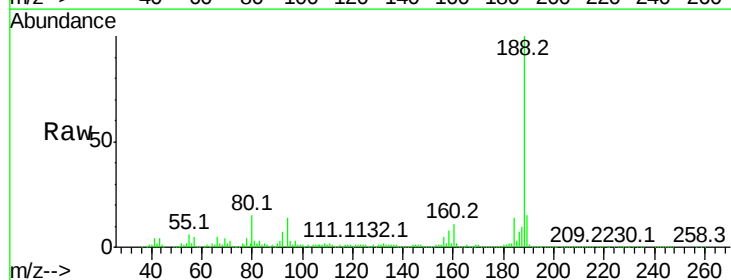
RT: 11.52 min Scan# 825

Delta R.T. -0.01 min

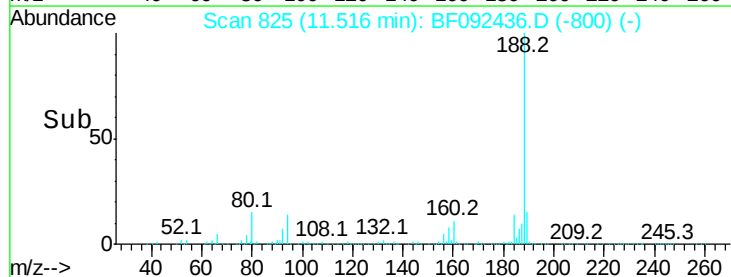
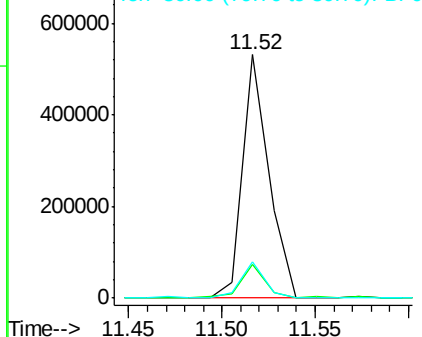
Lab File: BF092436.D

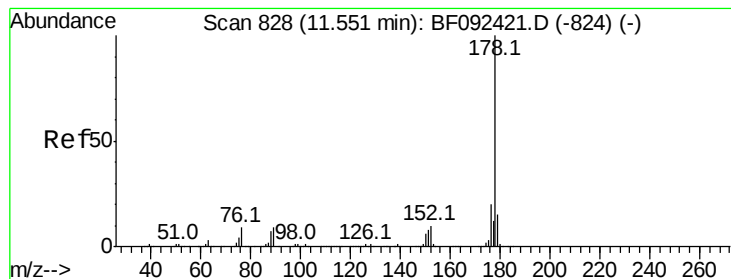
Acq: 24 Jan 2017 18:37

Tgt Ion:	188	Resp:	520594
Ion Ratio	Lower	Upper	
188	100		
94	13.9	10.0	15.0
80	15.1	11.2	16.8



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: 7.59 ng

RT: 11.54 min Scan# 827

Delta R.T. -0.01 min

Lab File: BF092436.D

Acq: 24 Jan 2017 18:37

Instrument :

BNA_F

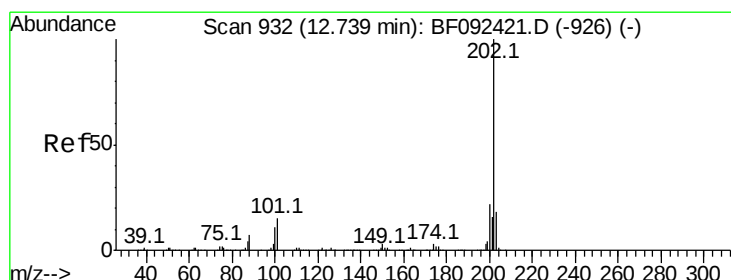
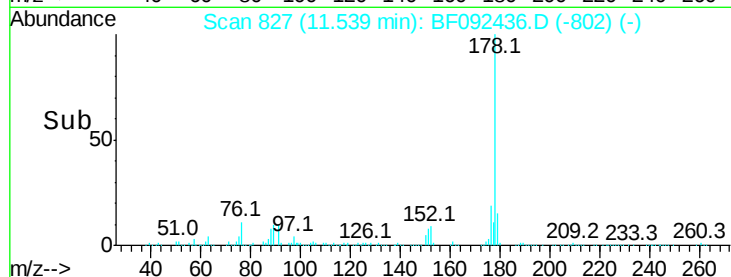
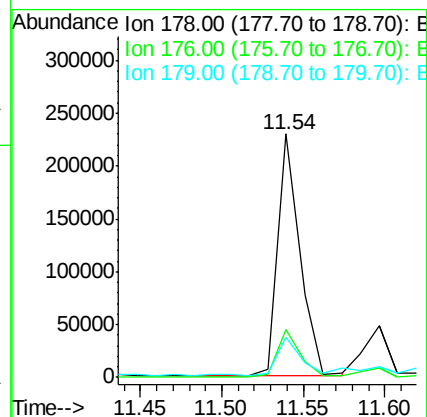
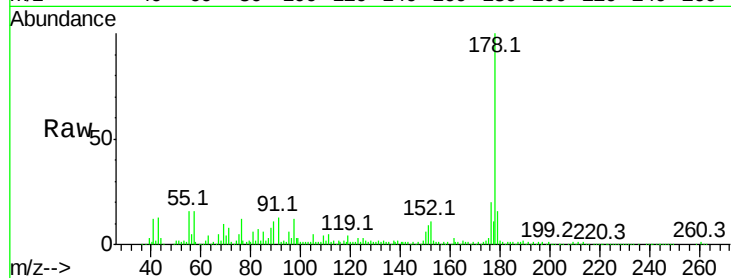
ClientSampleId :

S2-0-3FT-COMPRE

Tot Ion:	178	Resp:	217719
Ion Ratio	Lower	Upper	
178	100		
176	19.7	16.6	25.0
179	16.4	12.8	19.2

Manual Integrations
APPROVED

mohammad
1/25/2017 3:49:44 PM



#74

Fluoranthene

Concen: 7.67 ng

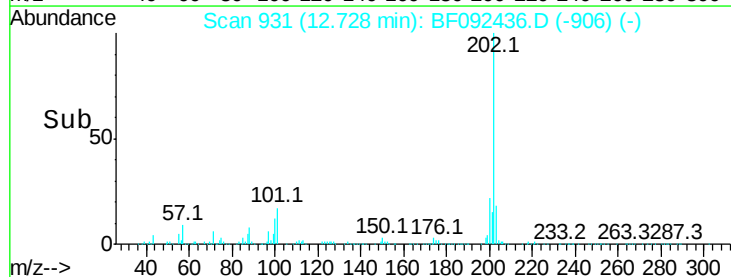
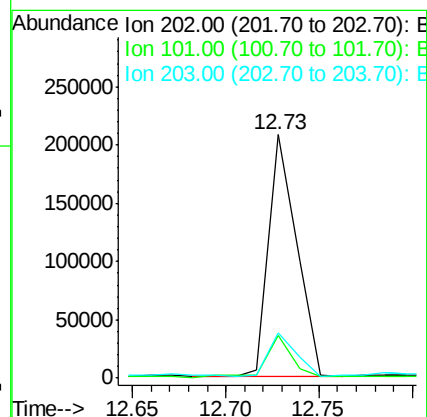
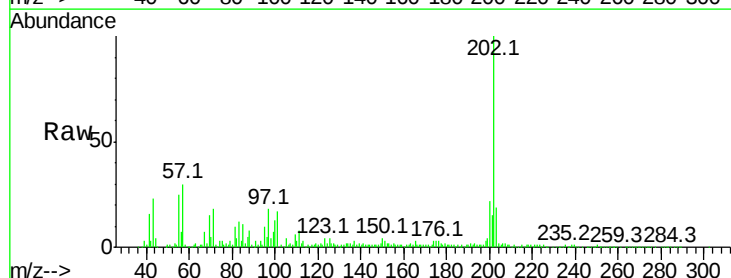
RT: 12.73 min Scan# 931

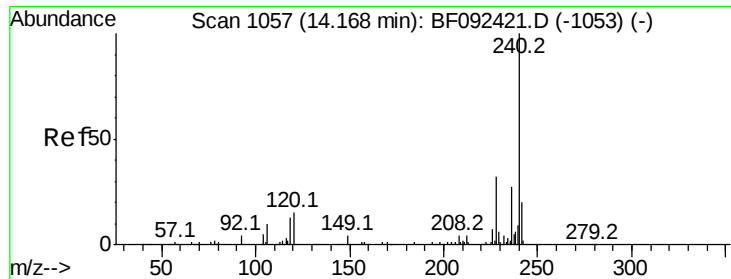
Delta R.T. -0.01 min

Lab File: BF092436.D

Acq: 24 Jan 2017 18:37

Tgt Ion:	202	Resp:	215102
Ion Ratio	Lower	Upper	
202	100		
101	17.3	0.0	34.6
203	18.7	0.0	38.7





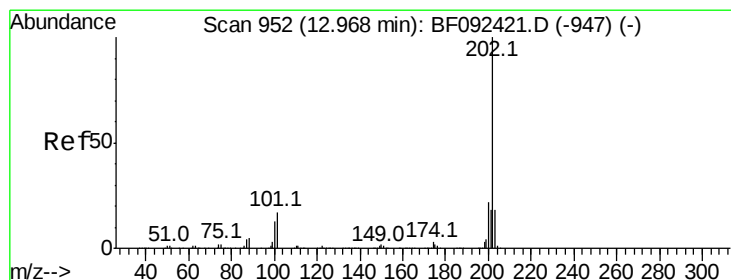
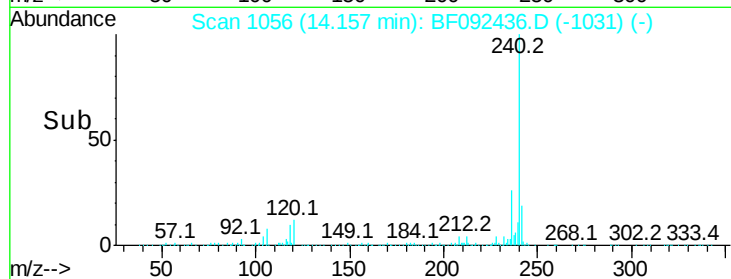
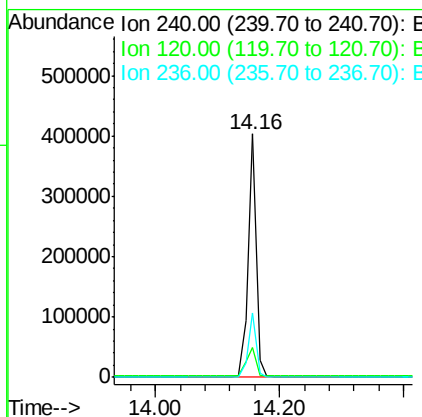
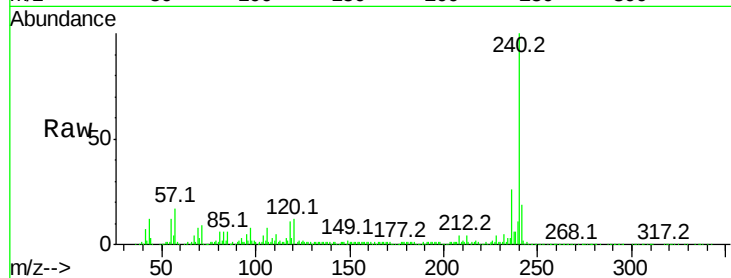
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.16 min Scan# 1056
 Delta R.T. -0.01 min
 Lab File: BF092436.D
 Acq: 24 Jan 2017 18:37

Instrument :
 BNA_F
 ClientSampleId :
 S2-0-3FT-COMPRE

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.4	12.9	19.3#
236	26.5	20.9	31.3

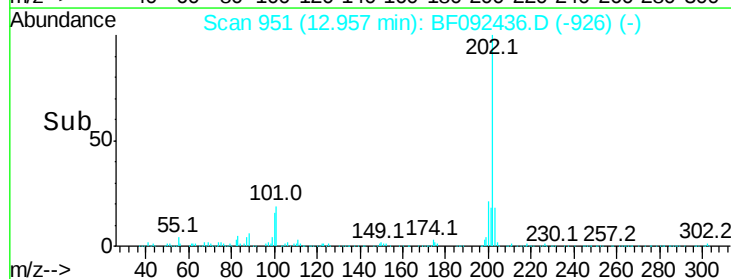
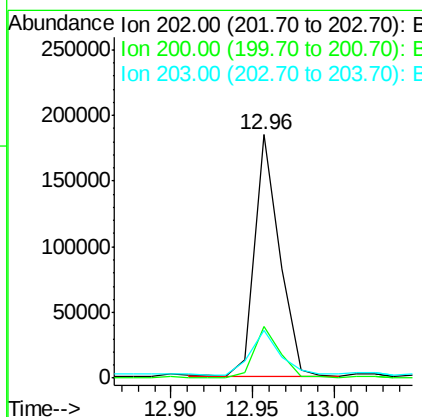
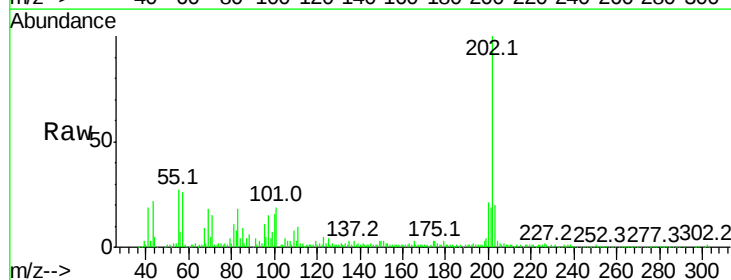
Manual Integrations
 APPROVED

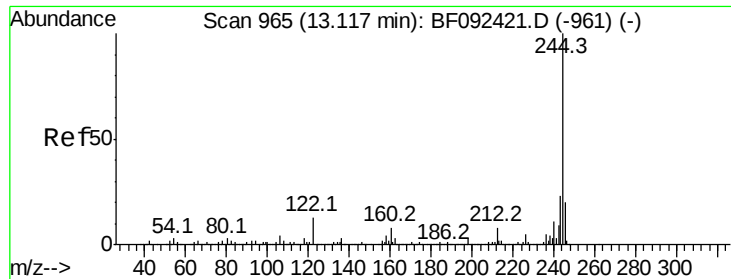
mohammad
 1/25/2017 3:49:44 PM



#77
 Pyrene
 Concen: 7.24 ng
 RT: 12.96 min Scan# 951
 Delta R.T. -0.01 min
 Lab File: BF092436.D
 Acq: 24 Jan 2017 18:37

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.7	26.5
203	19.6	14.7	22.1





#78
 Terphenyl-d14
 Concen: 82.70 ng
 RT: 13.11 min Scan# 964
 Delta R.T. -0.01 min
 Lab File: BF092436.D
 Acq: 24 Jan 2017 18:37

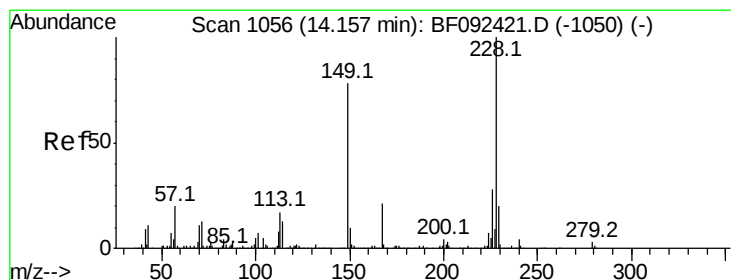
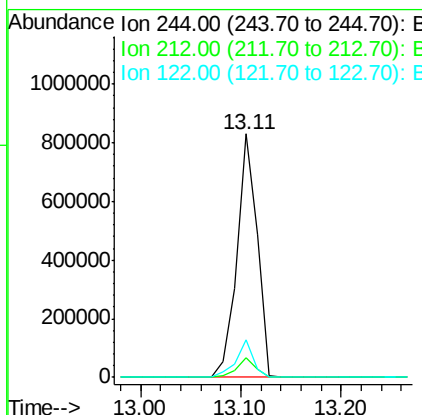
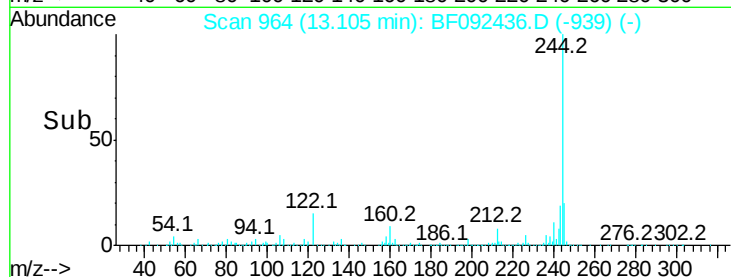
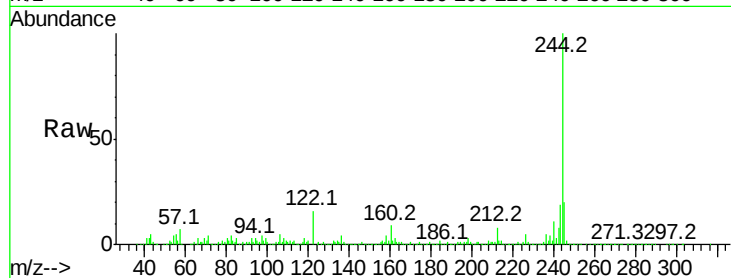
Instrument :
 BNA_F
 ClientSampleId :
 S2-0-3FT-COMPRE

Tot Ion:244 Resp: 1156060

Ion	Ratio	Lower	Upper
244	100		
212	8.0	6.2	9.2
122	15.6	11.4	17.2

Manual Integrations
 APPROVED

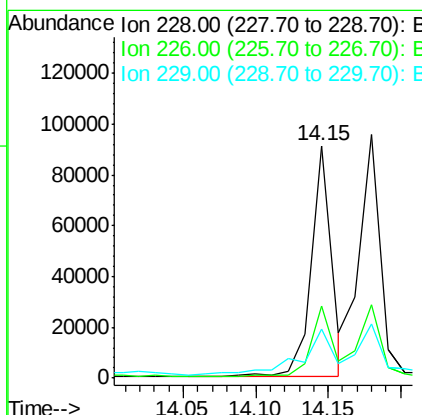
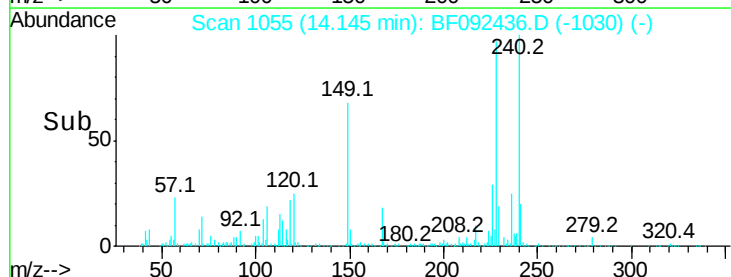
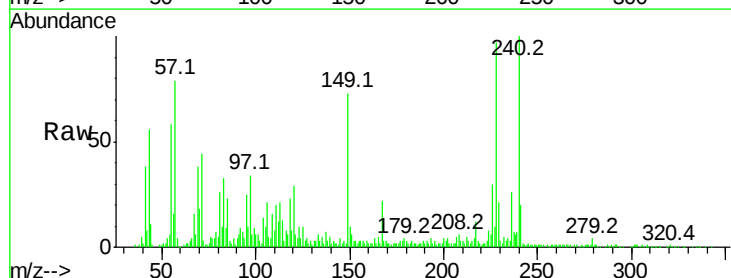
mohammad
 1/25/2017 3:49:44 PM

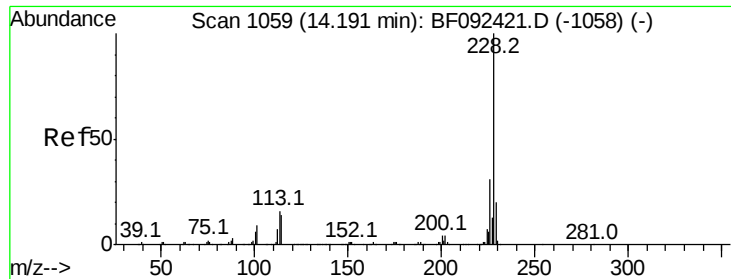


#80
 Benzo(a)anthracene
 Concen: 4.43 ng
 RT: 14.15 min Scan# 1055
 Delta R.T. -0.01 min
 Lab File: BF092436.D
 Acq: 24 Jan 2017 18:37

Tgt Ion:228 Resp: 88666

Ion	Ratio	Lower	Upper
228	100		
226	31.0	22.4	33.6
229	21.3	16.2	24.4





#82

Chrysene

Concen: 4.47 ng/mL

RT: 14.18 min Scan# 1058

Delta R.T. -0.01 min

Lab File: BF092436.D

Acq: 24 Jan 2017 18:37

Instrument :

BNA_F

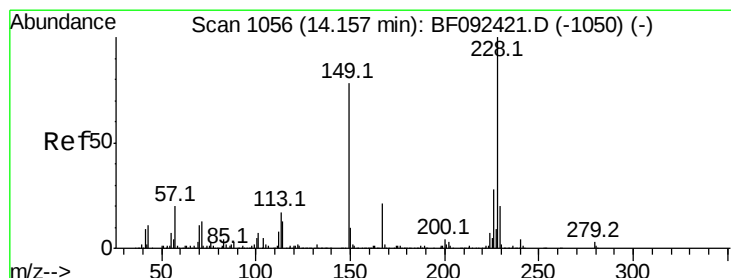
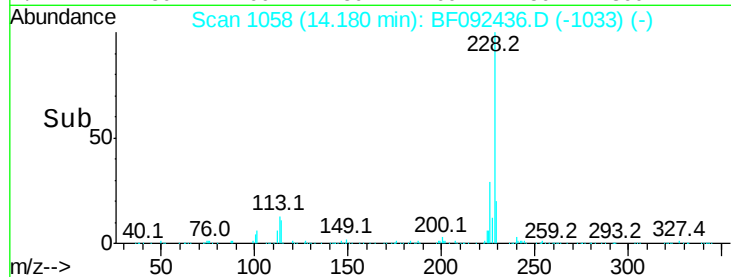
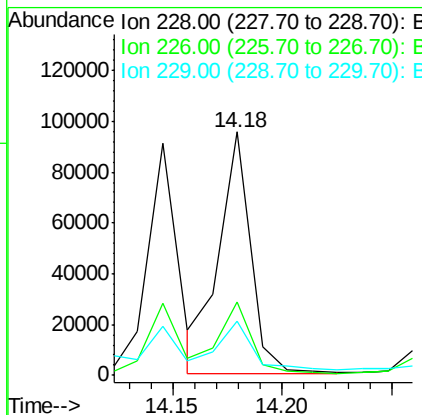
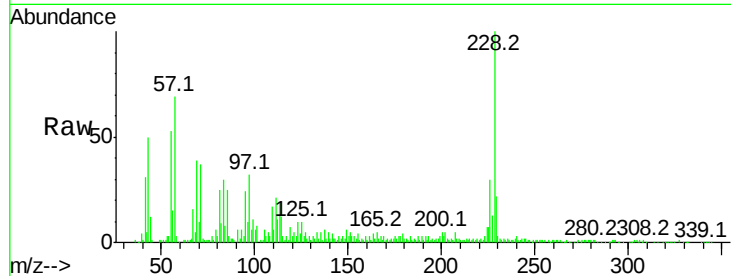
ClientSampleId :

S2-0-3FT-COMPRE

Tot Ion:	228	Resp:	95432
Ion Ratio	Lower	Upper	
228	100		
226	30.4	25.4	38.0
229	22.3	16.2	24.2

Manual Integrations
APPROVED

mohammad
1/25/2017 3:49:44 PM



#83

Bis(2-ethylhexyl)phthalate

Concen: 27.80 ng/mL

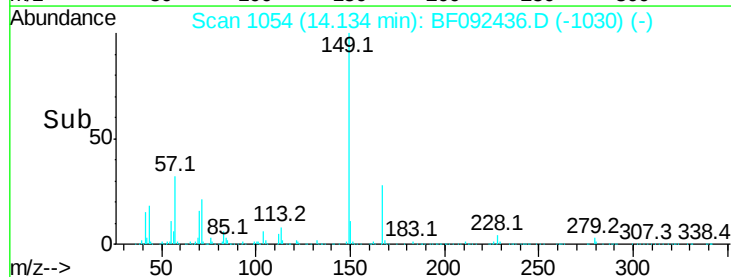
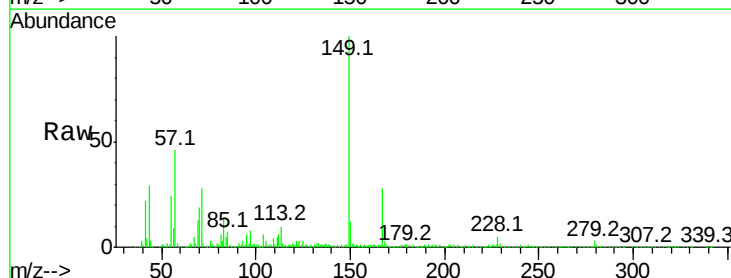
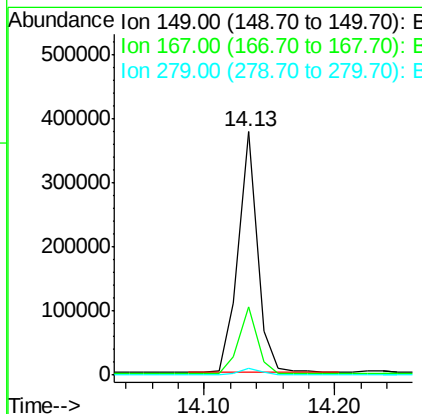
RT: 14.13 min Scan# 1054

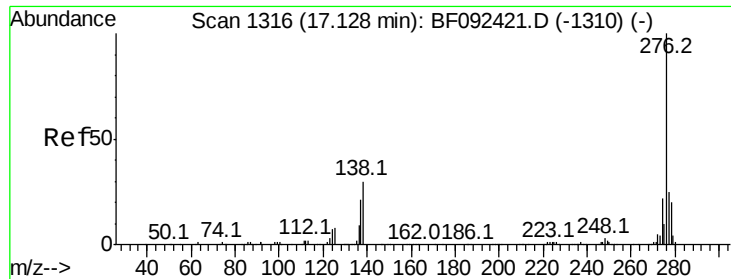
Delta R.T. -0.02 min

Lab File: BF092436.D

Acq: 24 Jan 2017 18:37

Tgt Ion:	149	Resp:	382580
Ion Ratio	Lower	Upper	
149	100		
167	28.1	20.2	30.4
279	2.9	1.8	2.8#





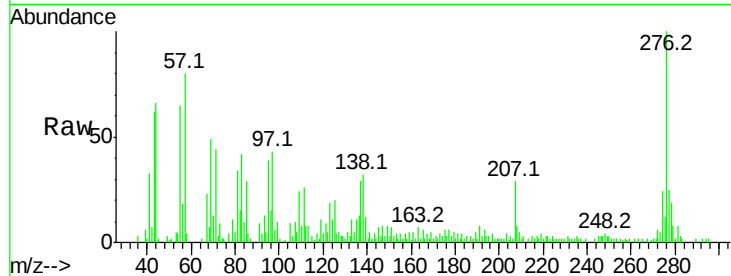
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.07 ng
RT: 17.11 min Scan# 1314
Delta R.T. -0.02 min
Lab File: BF092436.D
Acq: 24 Jan 2017 18:37

Instrument :
BNA_F
ClientSampleId :
S2-0-3FT-COMPRE

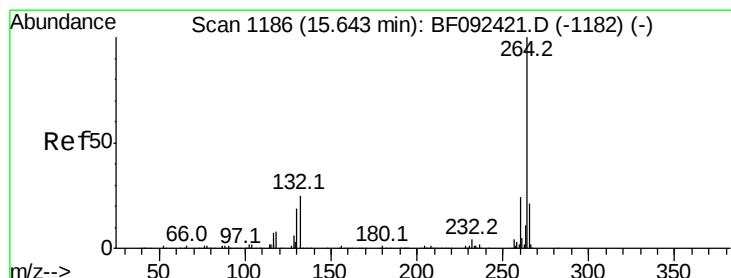
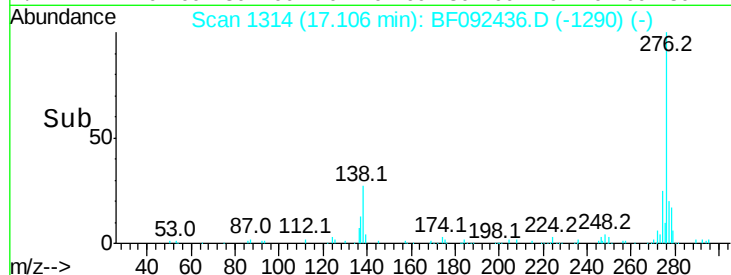
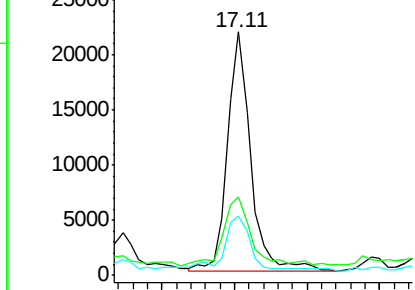
Tot Ion	Ratio	Lower	Upper
276	100		
138	33.4	21.8	32.6
277	22.8	20.2	30.4

Manual Integrations
APPROVED

mohammad
1/25/2017 3:49:44 PM

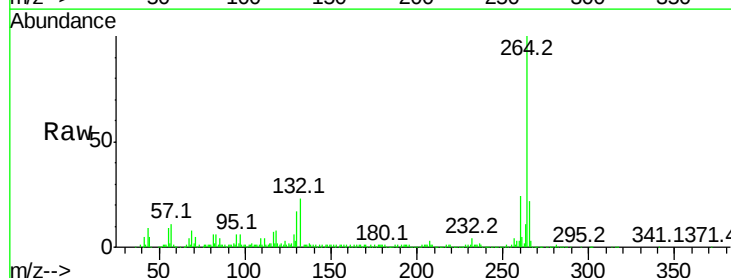


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

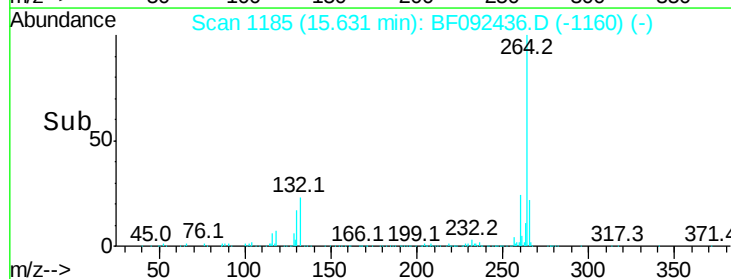
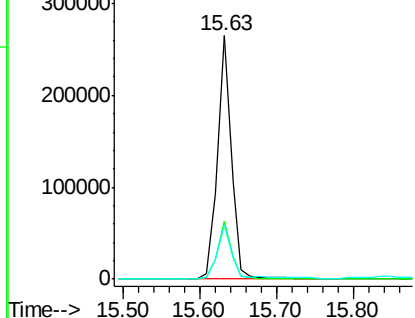


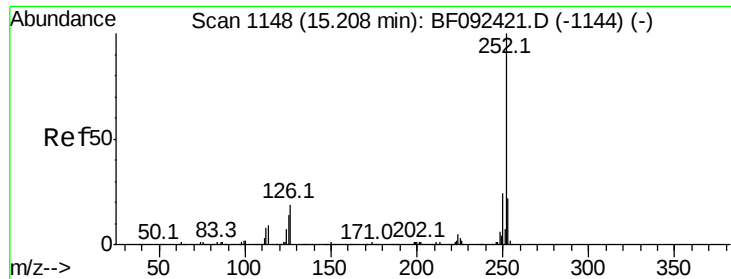
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.63 min Scan# 1185
Delta R.T. -0.01 min
Lab File: BF092436.D
Acq: 24 Jan 2017 18:37

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	22.2	17.4	26.0



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





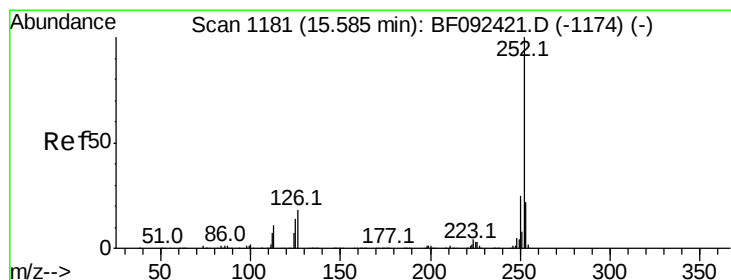
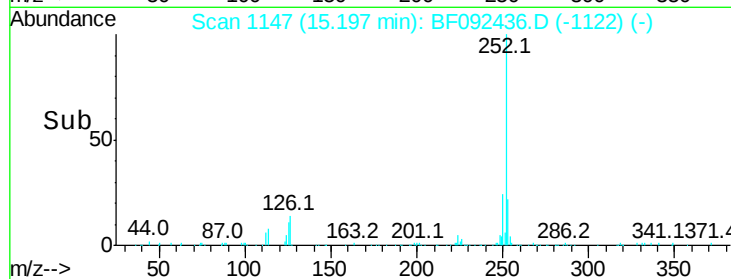
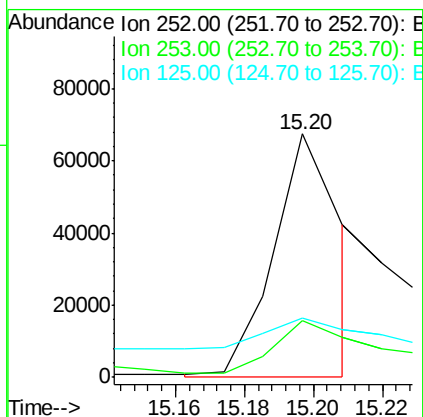
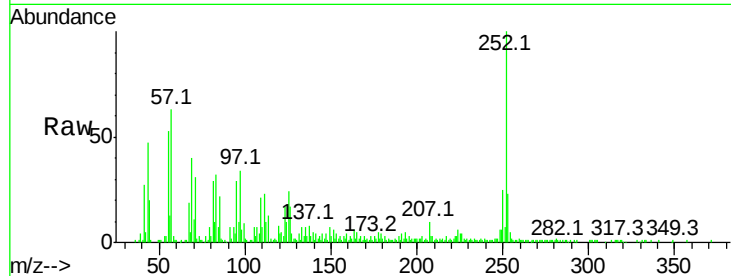
#87
Benzo(b)fluoranthene
Concen: 4.29 ng m
RT: 15.20 min Scan# 1147
Delta R.T. -0.01 min
Lab File: BF092436.D
Acq: 24 Jan 2017 18:37

Instrument :
BNA_F
ClientSampleId :
S2-0-3FT-COMPRE

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.2	27.4
125	24.2	9.8	14.6

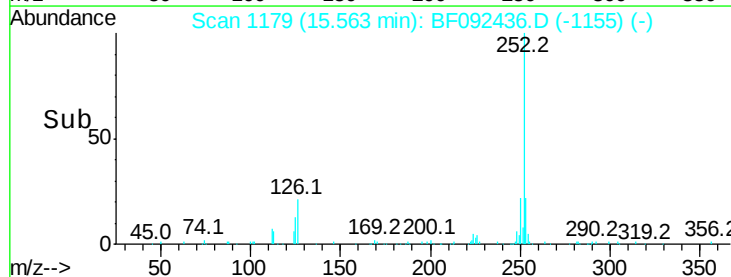
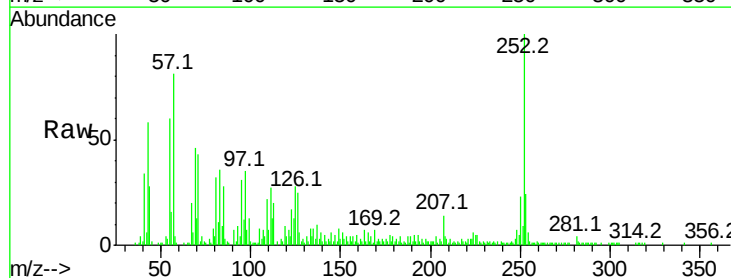
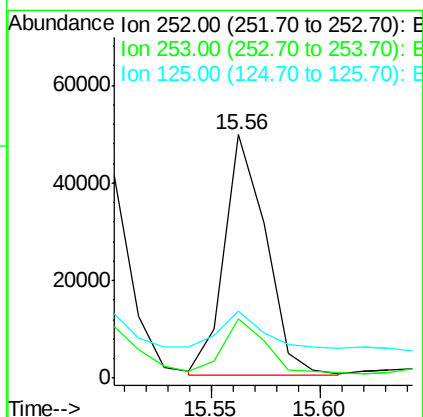
Manual Integrations
APPROVED

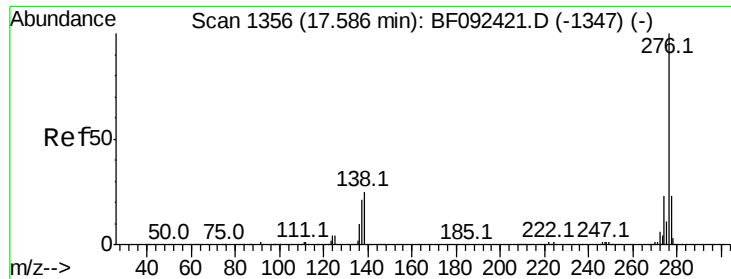
mohammad
1/25/2017 3:49:44 PM



#89
Benzo(a)pyrene
Concen: 3.62 ng
RT: 15.56 min Scan# 1179
Delta R.T. -0.02 min
Lab File: BF092436.D
Acq: 24 Jan 2017 18:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.2	27.2
125	27.6	10.0	15.0





#91
 Benzo(a,h,i)perylene
 Concen: 3.47 ng
 RT: 17.55 min Scan# 1353
 Delta R.T. -0.03 min
 Lab File: BF092436.D
 Acq: 24 Jan 2017 18:37

Instrument :
 BNA_F
 ClientSampleId :
 S2-0-3FT-COMP

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.1	19.2	28.8
138	28.9	16.0	24.0

Manual Integrations
 APPROVED

mohammad
 1/25/2017 3:49:44 PM

