

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070217\
 Data File : BF096413.D
 Acq On : 2 Jul 2017 13:53
 Operator : SJ/MA
 Sample : I3950-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B4-4-6

Manual Integrations
 APPROVED

mohammad
 7/3/2017 4:07:23 PM

Quant Time: Jul 03 14:26:08 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 03 01:43:12 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	174646	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	550415	20.00	ng	0.00
38) Acenaphthene-d10	9.77	164	249548	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	356732	20.00	ng	0.00
75) Chrysene-d12	13.87	240	261448	20.00	ng	0.00
86) Perylene-d12	15.29	264	214720	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	1154723	97.59	ng	0.00
7) Phenol-d6	6.37	99	1538316	105.75	ng	0.00
23) Nitrobenzene-d5	7.30	82	868337	94.80	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	214766	110.18	ng	0.00
44) 2-Fluorobiphenyl	9.10	172	1130926	77.49	ng	0.00
78) Terphenyl-d14	12.83	244	659544	53.91	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.03	128	53008	2.040	ng	98
49) Dimethylphthalate	9.49	163	259004	13.903	ng	97
70) Phenanthrene	11.27	178	325729	16.891	ng	99
71) Anthracene	11.32	178	52674	2.680	ng	100
74) Fluoranthene	12.45	202	319645	16.906	ng	98
77) Pyrene	12.68	202	263405	12.552	ng	100
80) Benzo(a)anthracene	13.86	228	112726	7.446	ng	97
82) Chrysene	13.90	228	99700m	6.288	ng	
85) Indeno(1,2,3-cd)pyrene	16.65	276	38972	3.114	ng	94
87) Benzo(b)fluoranthene	14.89	252	116552m	8.663	ng	
88) Benzo(k)fluoranthene	14.91	252	29260m	2.431	ng	
89) Benzo(a)pyrene	15.23	252	75624	6.296	ng	# 92
91) Benzo(g,h,i)perylene	17.06	276	39789	4.063	ng	97

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

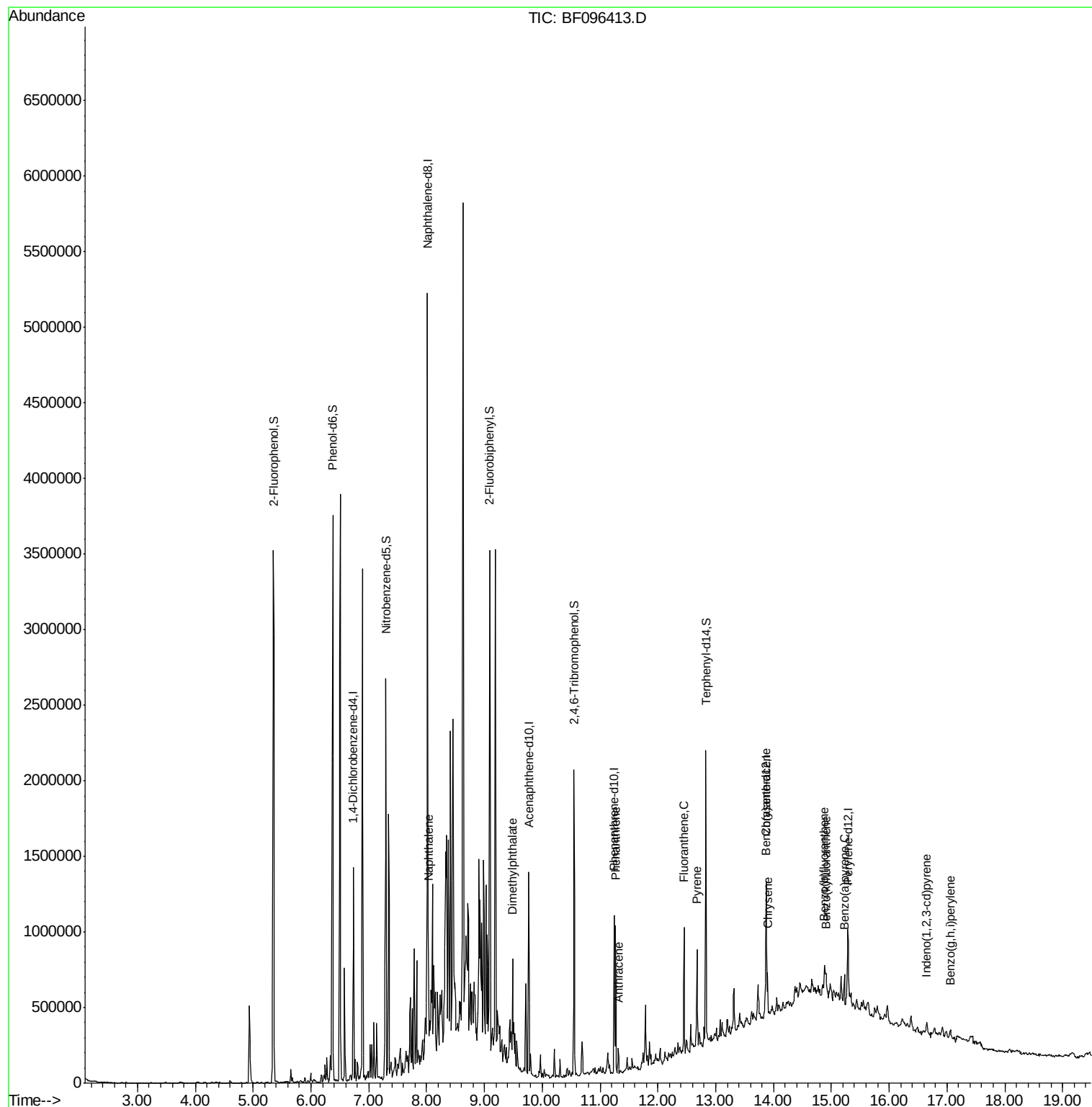
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070217\
Data File : BF096413.D
Acq On : 2 Jul 2017 13:53
Operator : SJ/MA
Sample : I3950-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

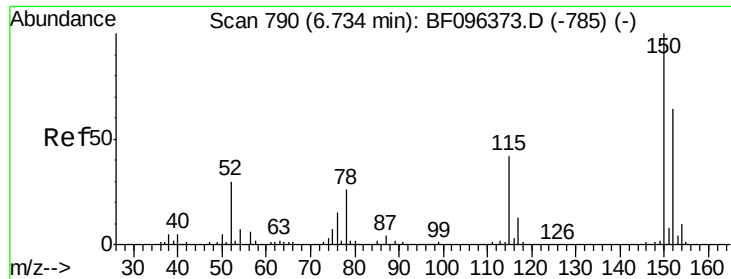
Instrument :
BNA_F
ClientSampleId :
B4-4-6

Manual Integrations
APPROVED

mohammad
7/3/2017 4:07:23 PM

Quant Time: Jul 03 14:26:08 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 03 01:43:12 2017
Response via : Initial Calibration





#1

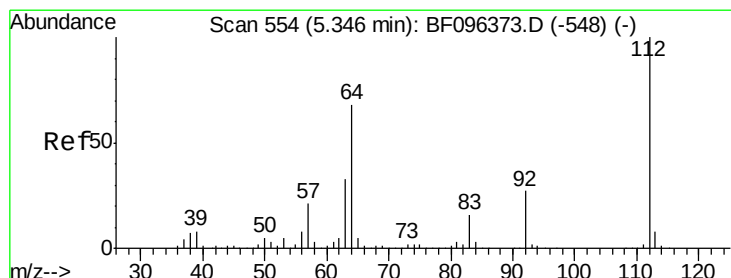
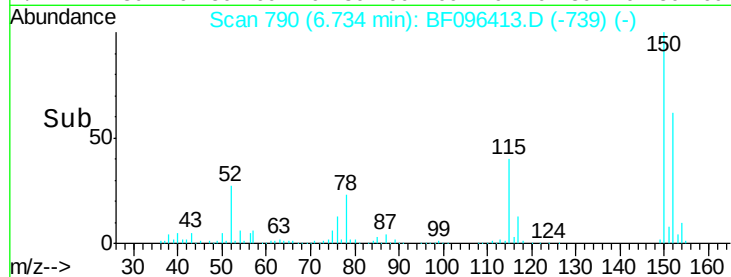
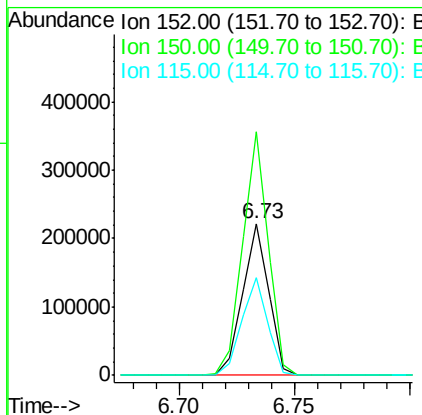
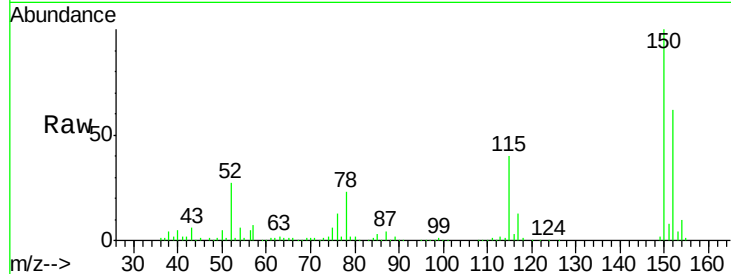
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. 0.00 min
Lab File: BF096413.D
Acq: 2 Jul 2017 13:53

Instrument :
BNA_F
ClientSampleId :
B4-4-6

Tgt Ion	Ratio	Lower	Upper
152	100		
150	160.6	126.2	189.2
115	64.3	52.2	78.2

Manual Integrations
APPROVED

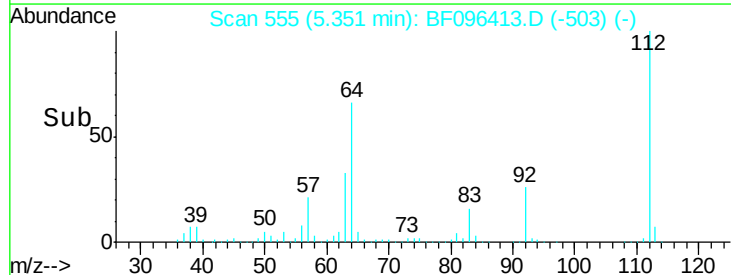
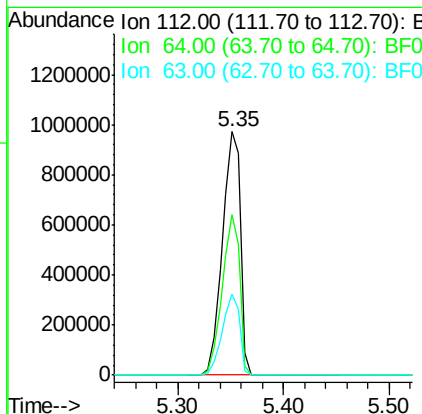
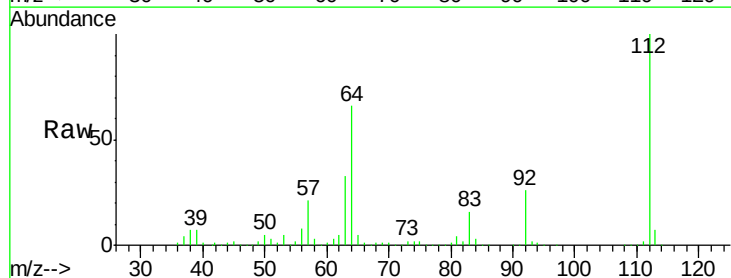
mohammad
7/3/2017 4:07:23 PM

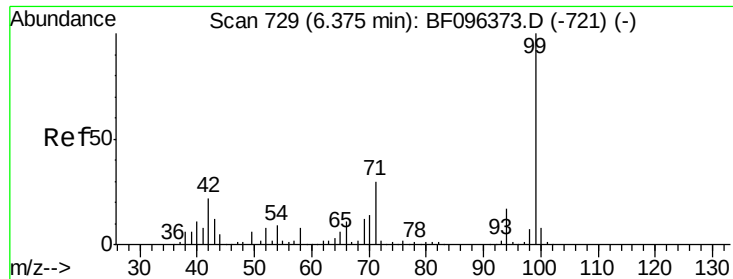


#5

2-Fluorophenol
Concen: 97.588 ng
RT: 5.35 min Scan# 555
Delta R.T. 0.01 min
Lab File: BF096413.D
Acq: 2 Jul 2017 13:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.1	46.0	69.0
63	33.5	23.4	35.0





#7

Phenol-d6

Concen: 105.751 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.00 min

Lab File: BF096413.D

Acq: 2 Jul 2017 13:53

Instrument :

BNA_F

ClientSampleId :

B4-4-6

Tgt Ion: 99 Resp: 1538316

Ion Ratio Lower Upper

99 100

42 22.3 13.5 20.3#

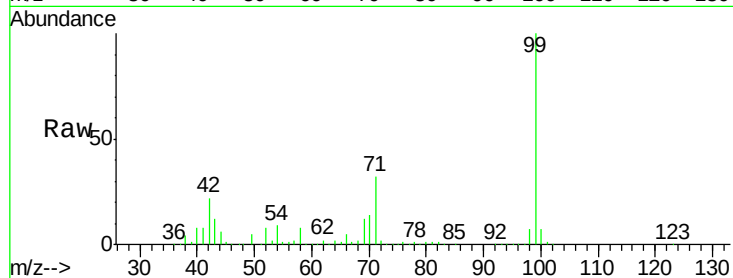
71 31.6 24.5 36.7

Manual Integrations

APPROVED

mohammad

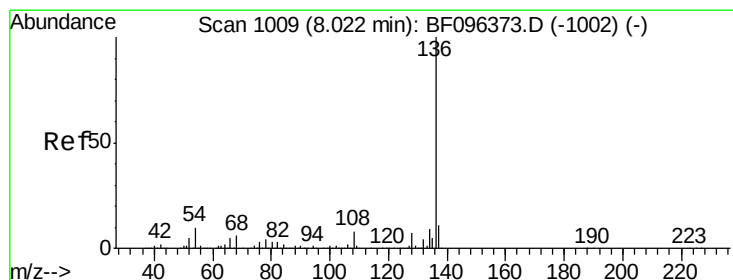
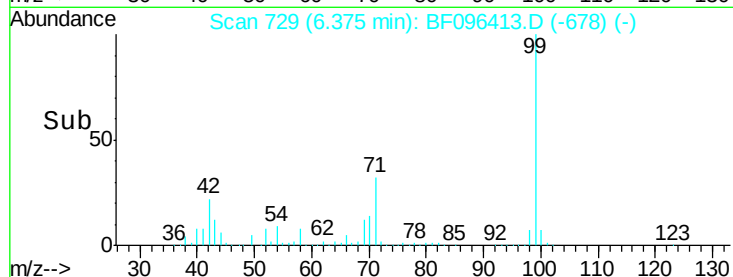
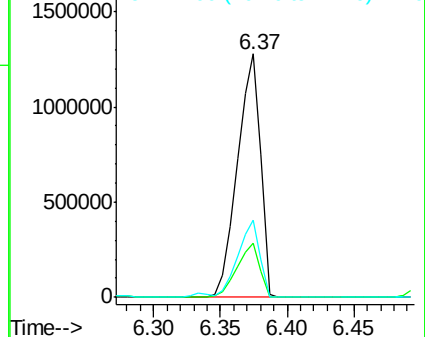
7/3/2017 4:07:23 PM



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.02 min Scan# 1008

Delta R.T. -0.01 min

Lab File: BF096413.D

Acq: 2 Jul 2017 13:53

Tgt Ion: 136 Resp: 550415

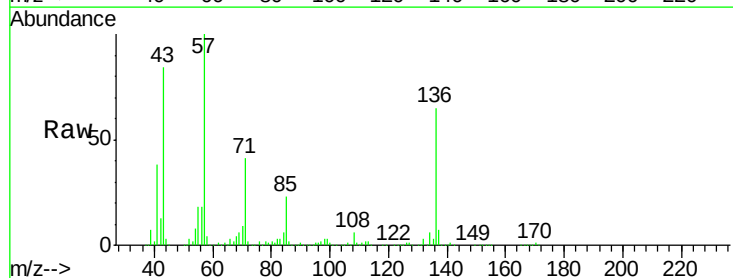
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 12.8 4.9 7.3#

68 6.5 4.1 6.1#

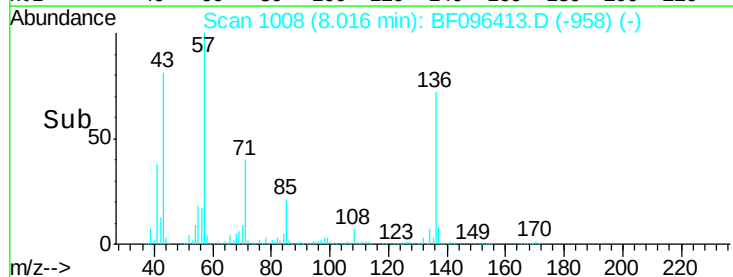
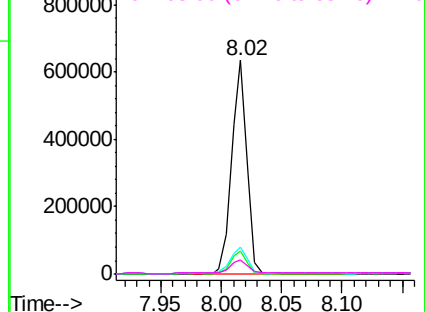


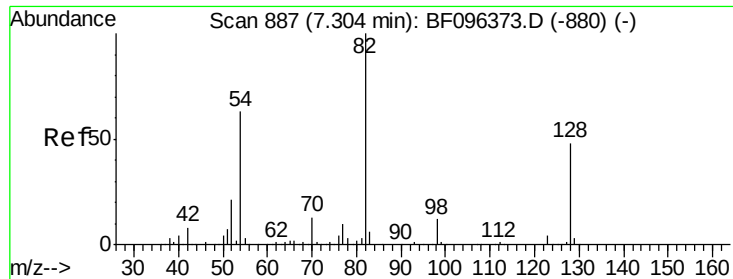
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





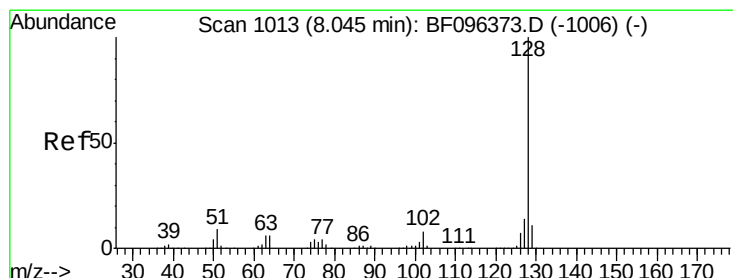
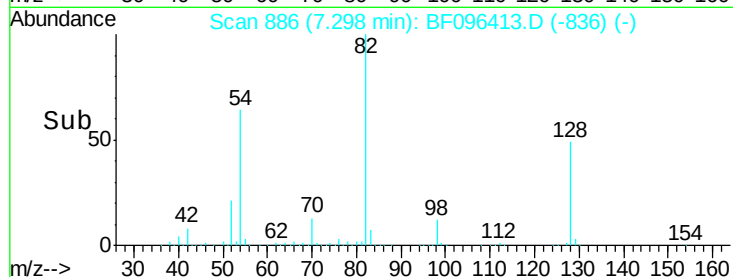
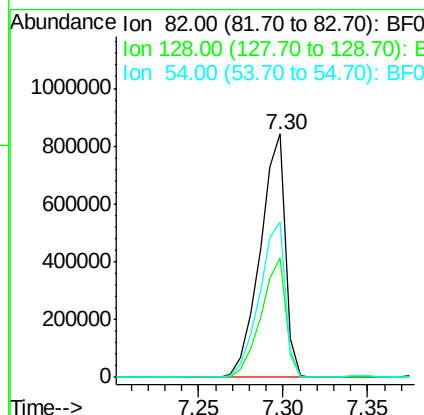
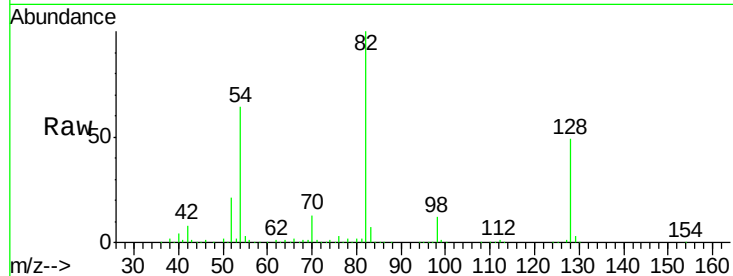
#23
Nitrobenzene-d5
Concen: 94.800 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF096413.D
Acq: 2 Jul 2017 13:53

Instrument :
BNA_F
ClientSampleId :
B4-4-6

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	48.9	34.0	51.0	
54	63.7	42.2	63.2#	

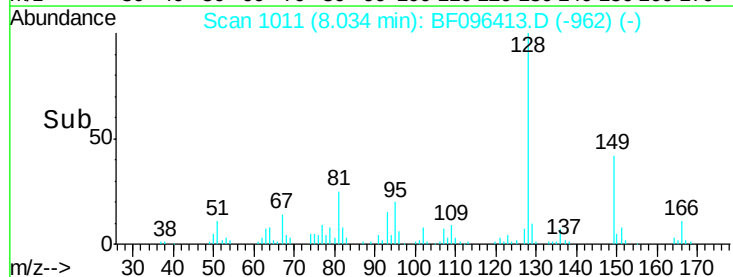
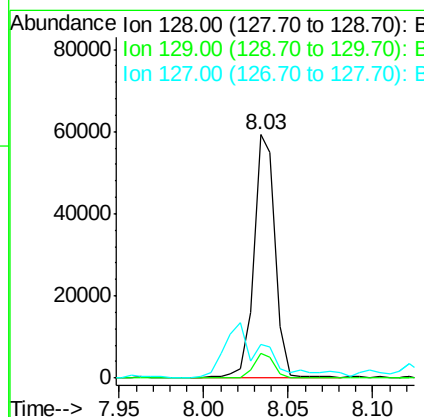
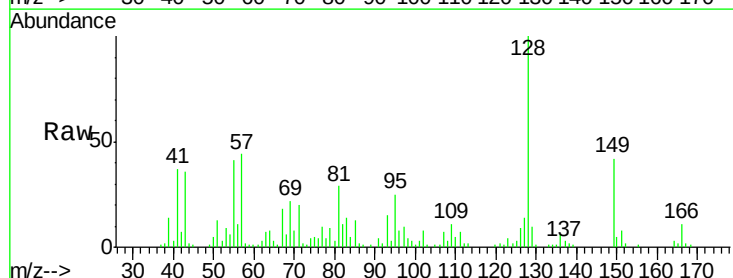
Manual Integrations
APPROVED

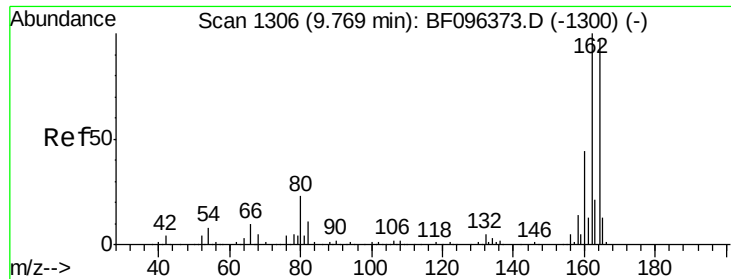
mohammad
7/3/2017 4:07:23 PM



#31
Naphthalene
Concen: 2.040 ng
RT: 8.03 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BF096413.D
Acq: 2 Jul 2017 13:53

Tgt Ion	Ratio	Resp	Lower	Upper
128	100			
129	10.1	9.0	13.6	
127	13.7	10.8	16.2	





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.77 min Scan# 1306

Delta R.T. 0.00 min

Lab File: BF096413.D

Acq: 2 Jul 2017 13:53

Instrument :

BNA_F

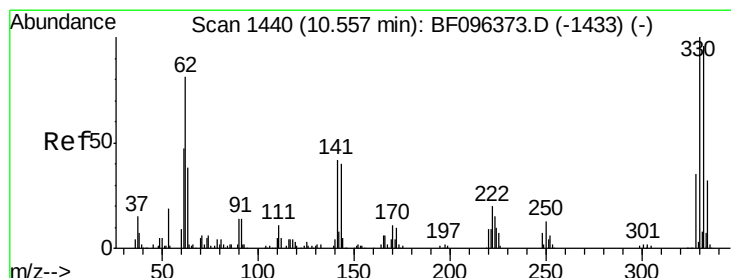
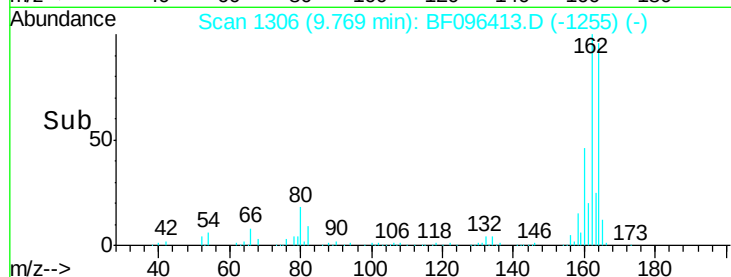
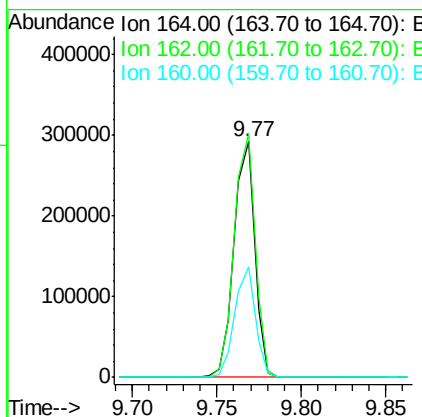
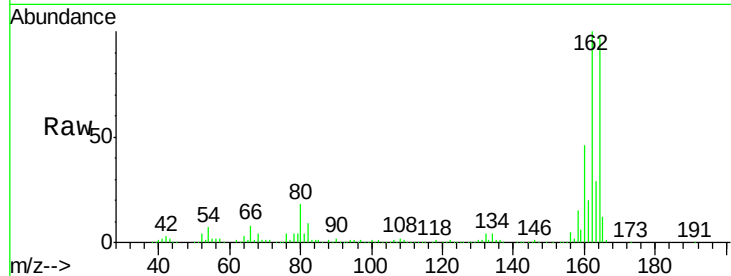
ClientSampleId :

B4-4-6

Tgt Ion:	164	Resp:	249548
Ion Ratio	Lower	Upper	
164	100		
162	103.2	82.6	123.8
160	47.0	36.2	54.2

Manual Integrations
APPROVED

mohammad
7/3/2017 4:07:23 PM



#41

2,4,6-Tribromophenol

Concen: 110.177 ng

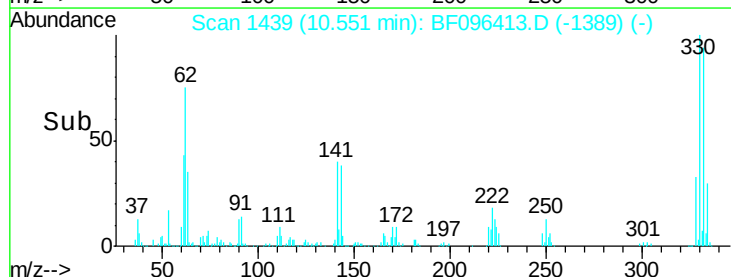
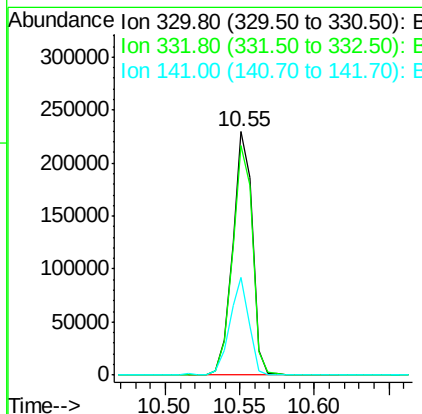
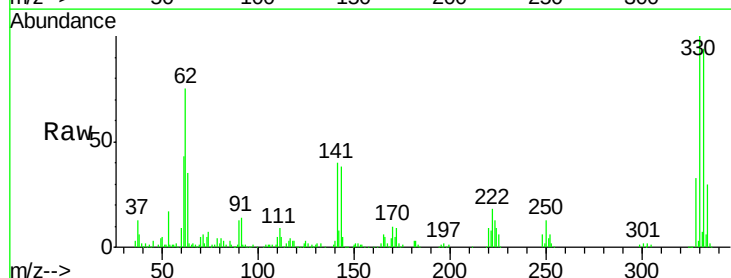
RT: 10.55 min Scan# 1439

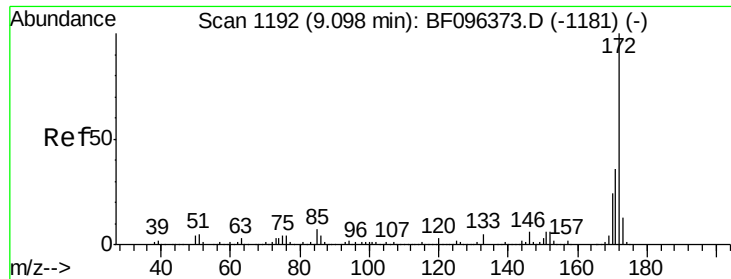
Delta R.T. -0.01 min

Lab File: BF096413.D

Acq: 2 Jul 2017 13:53

Tgt Ion:	330	Resp:	214766
Ion Ratio	Lower	Upper	
330	100		
332	95.2	76.6	115.0
141	39.2	31.4	47.2





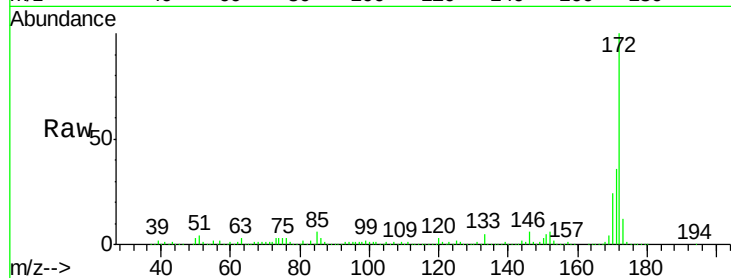
#44
2-Fluorobiphenyl
Concen: 77.485 ng
RT: 9.10 min Scan# 1192
Delta R.T. 0.00 min
Lab File: BF096413.D
Acq: 2 Jul 2017 13:53

Instrument :
BNA_F
ClientSampleId :
B4-4-6

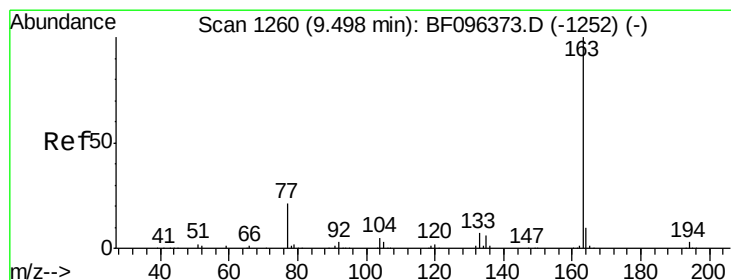
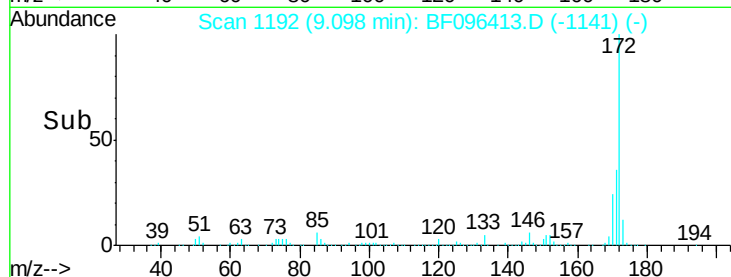
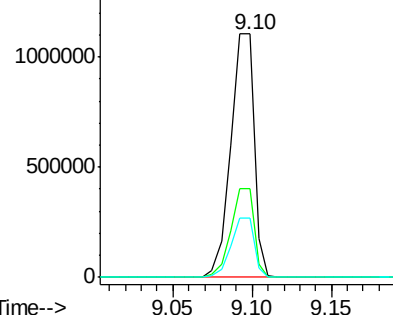
Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.6	44.4
170	24.2	19.8	29.8

Manual Integrations
APPROVED

mohammad
7/3/2017 4:07:23 PM

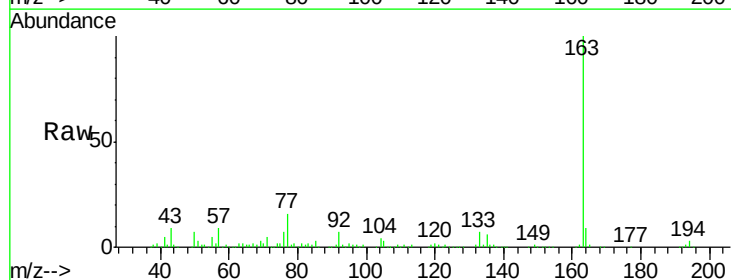


Abundance Ion 172.00 (171.70 to 172.70): E
1500000
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

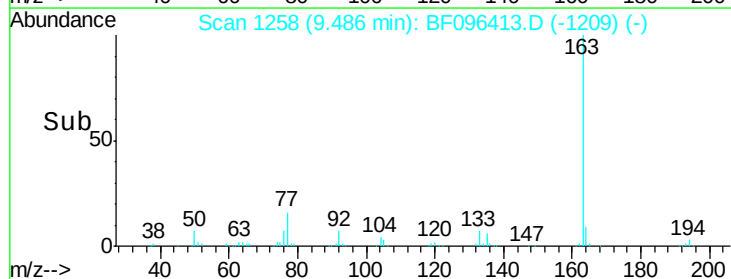
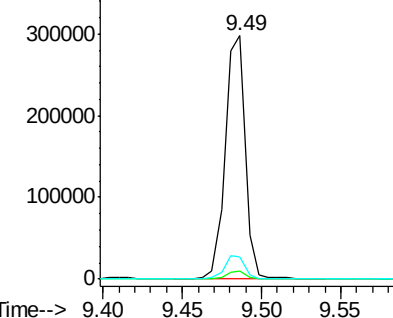


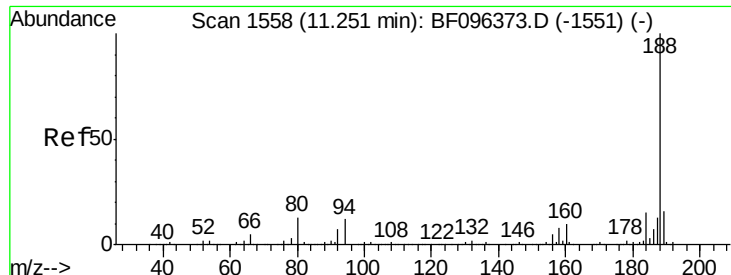
#49
Dimethylphthalate
Concen: 13.903 ng
RT: 9.49 min Scan# 1258
Delta R.T. -0.01 min
Lab File: BF096413.D
Acq: 2 Jul 2017 13:53

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.6	4.0
164	9.1	8.4	12.6



Abundance Ion 163.00 (162.70 to 163.70): E
400000
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





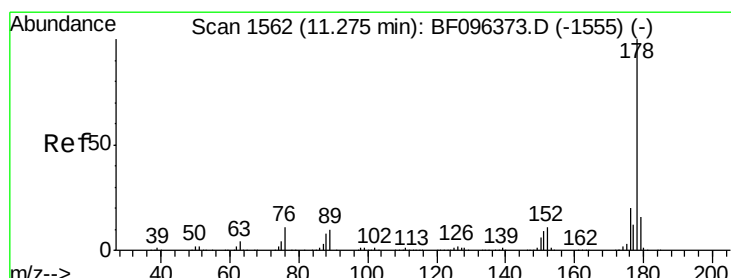
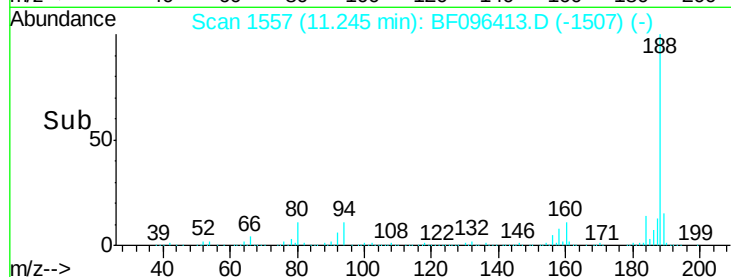
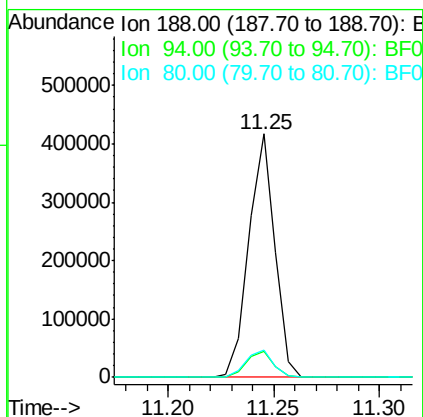
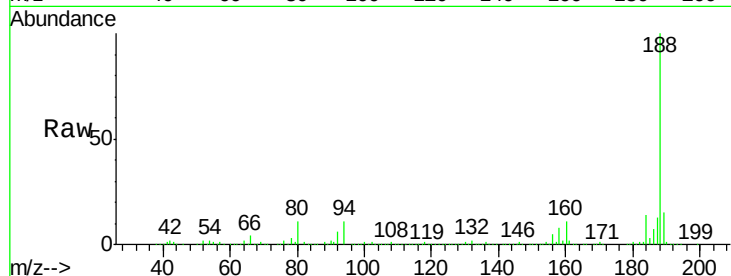
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BF096413.D
Acq: 2 Jul 2017 13:53

Instrument :
BNA_F
ClientSampleId :
B4-4-6

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	10.9	9.4	14.2
80	11.4	10.2	15.2

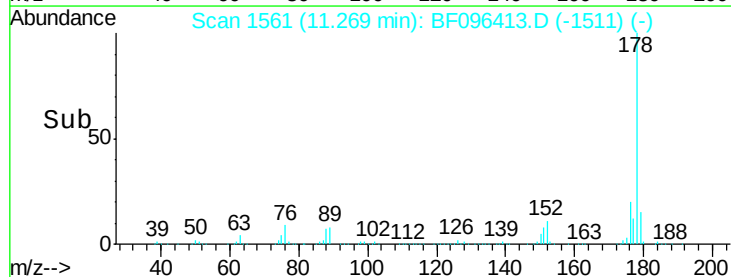
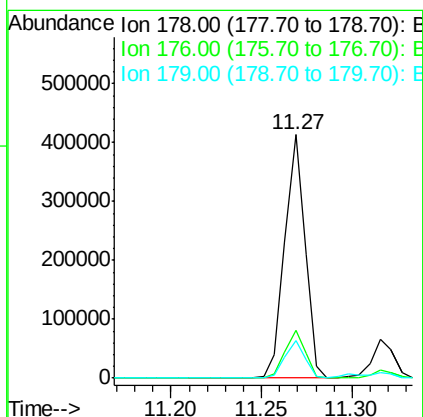
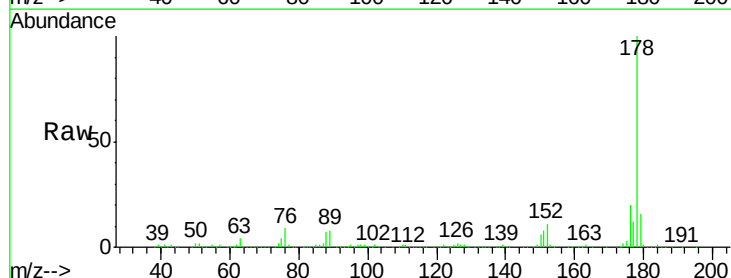
Manual Integrations
APPROVED

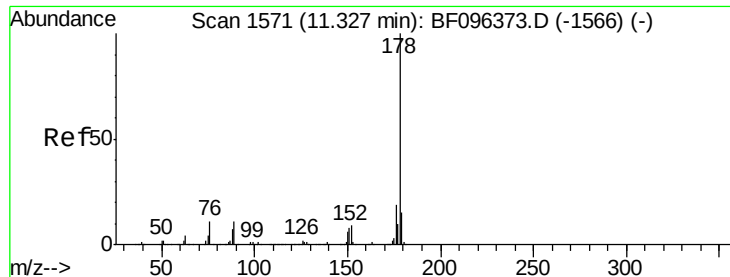
mohammad
7/3/2017 4:07:23 PM



#70
Phenanthrene
Concen: 16.891 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF096413.D
Acq: 2 Jul 2017 13:53

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.7	16.2	24.4
179	15.5	12.6	19.0





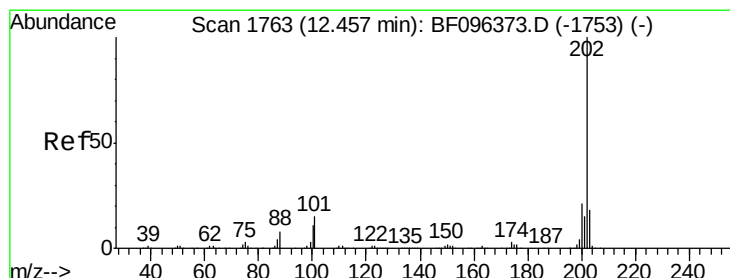
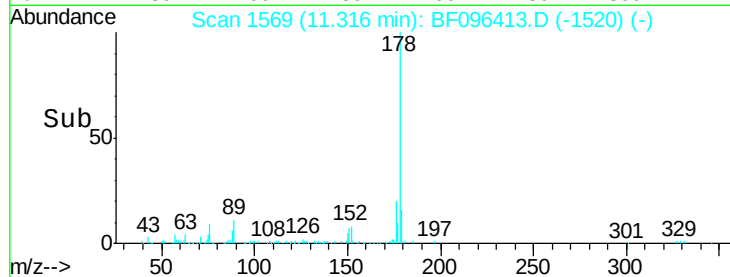
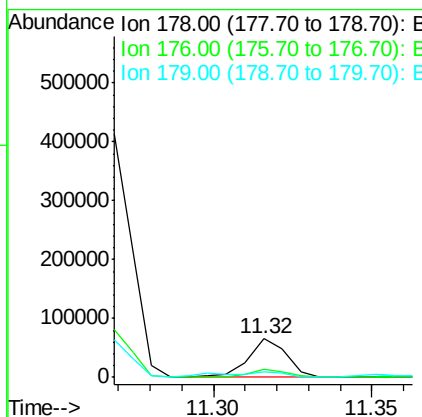
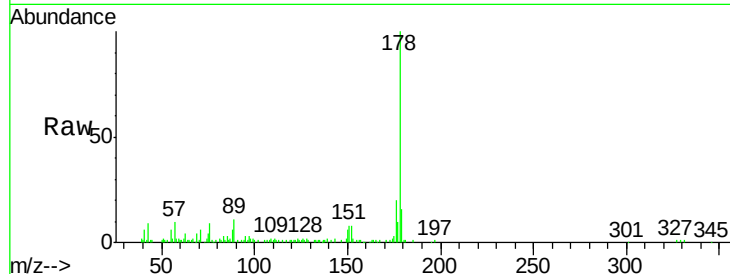
#71
 Anthracene
 Concen: 2.680 ng
 RT: 11.32 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: BF096413.D
 Acq: 2 Jul 2017 13:53

Instrument :
 BNA_F
 ClientSampled :
 B4-4-6

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.8	23.8
179	16.0	12.7	19.1

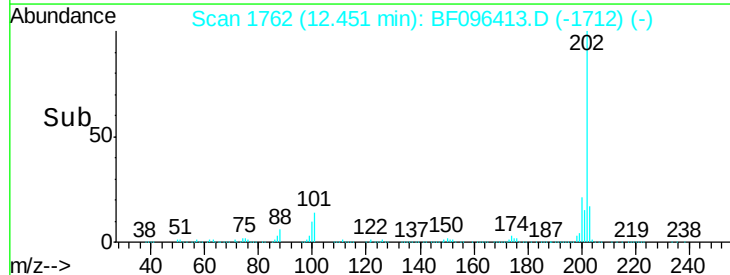
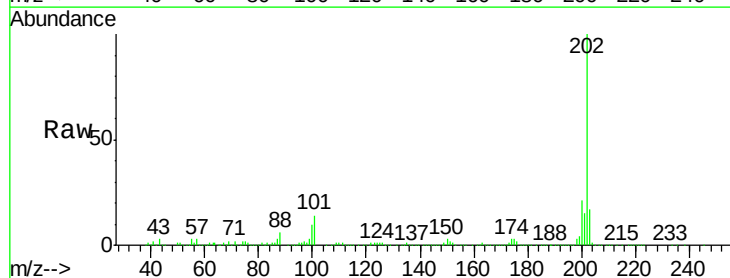
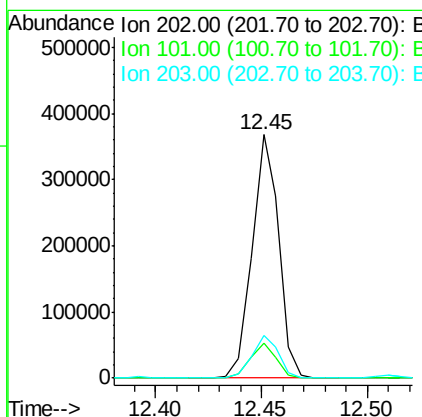
Manual Integrations
 APPROVED

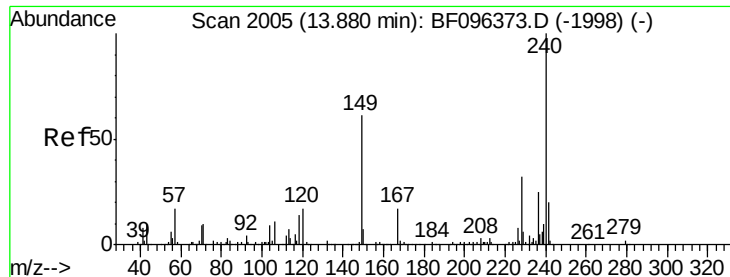
mohammad
 7/3/2017 4:07:23 PM



#74
 Fluoranthene
 Concen: 16.906 ng
 RT: 12.45 min Scan# 1762
 Delta R.T. -0.01 min
 Lab File: BF096413.D
 Acq: 2 Jul 2017 13:53

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.3	0.0	33.2
203	17.5	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2004

Delta R.T. -0.01 min

Lab File: BF096413.D

Acq: 2 Jul 2017 13:53

Instrument :

BNA_F

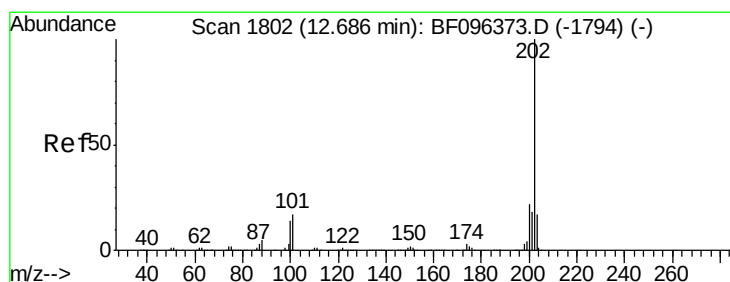
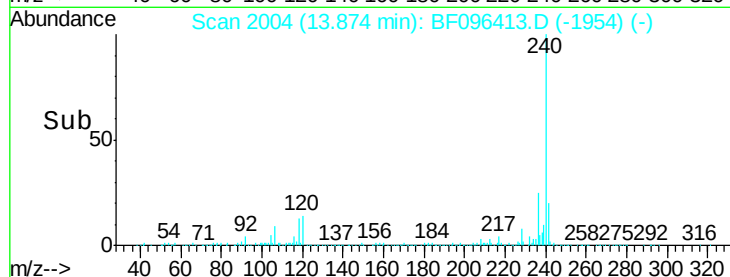
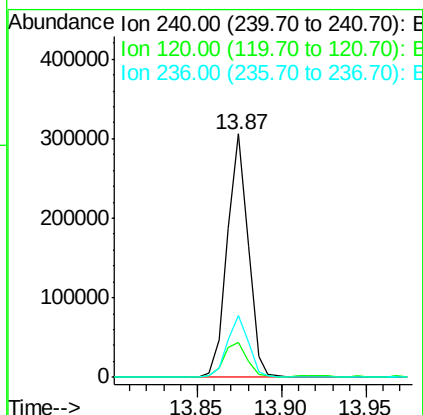
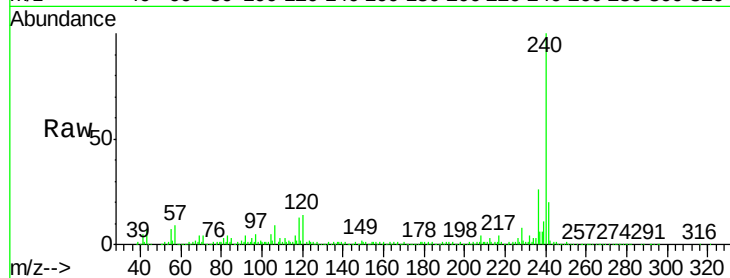
ClientSampleId :

B4-4-6

Tgt Ion	Ratio	Lower	Upper
240	100		
120	14.1	5.8	8.8#
236	25.6	20.5	30.7

Manual Integrations
APPROVED

mohammad
7/3/2017 4:07:23 PM



#77

Pyrene

Concen: 12.552 ng

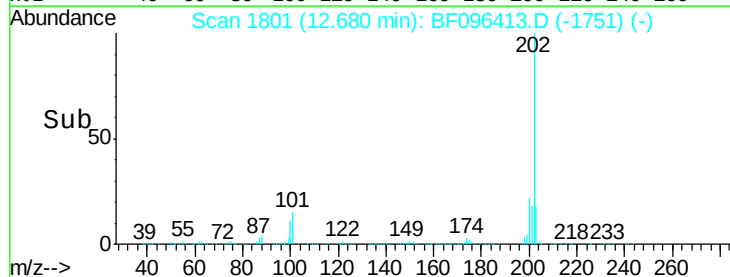
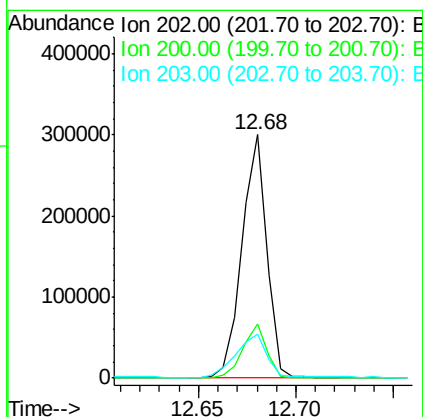
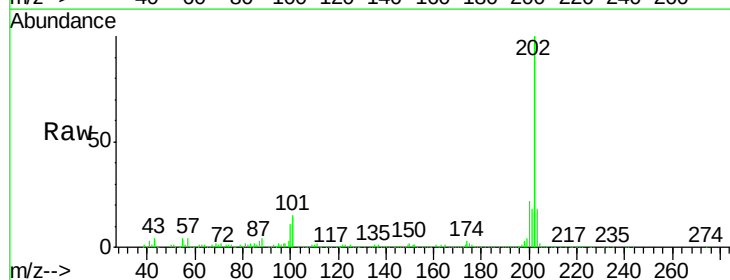
RT: 12.68 min Scan# 1801

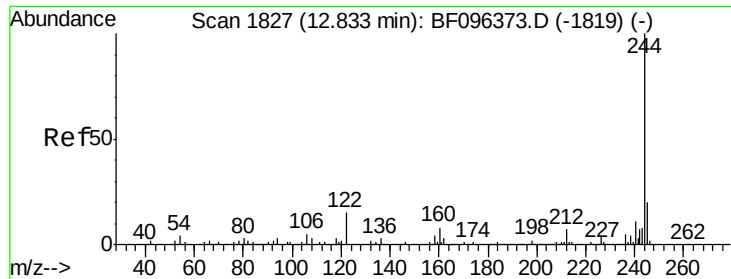
Delta R.T. -0.01 min

Lab File: BF096413.D

Acq: 2 Jul 2017 13:53

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.0	17.6	26.4
203	18.2	14.4	21.6





#78

Terphenyl-d14

Concen: 53.905 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF096413.D

Acq: 2 Jul 2017 13:53

Instrument :

BNA_F

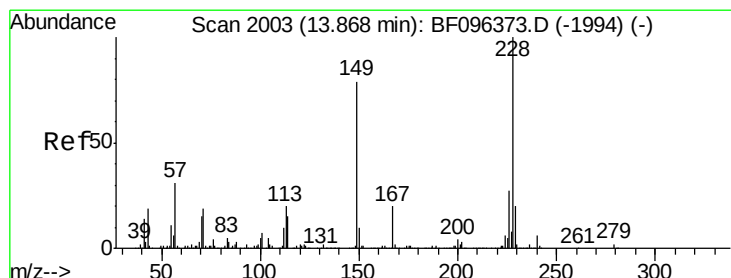
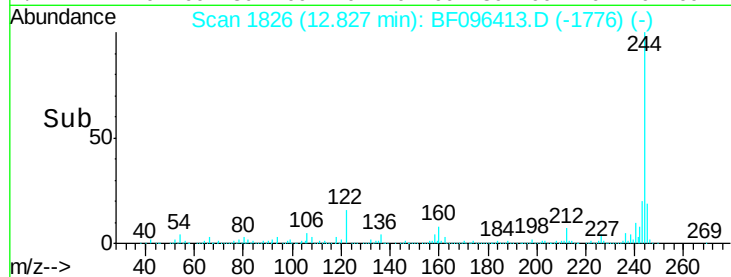
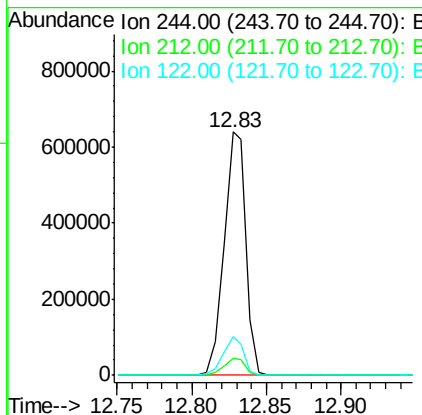
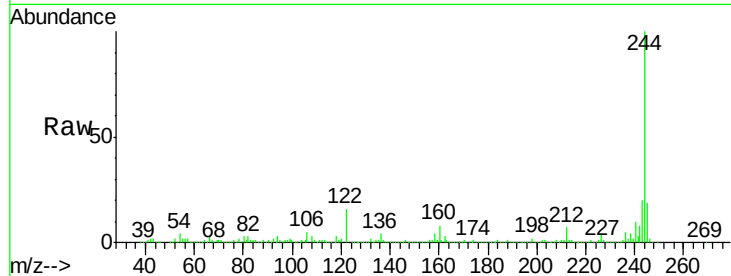
ClientSampleId :

B4-4-6

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	659544		
212	6.9	6.0	9.0	
122	15.8	10.3	15.5#	

Manual Integrations
APPROVED

mohammad
7/3/2017 4:07:23 PM



#80

Benzo(a)anthracene

Concen: 7.446 ng

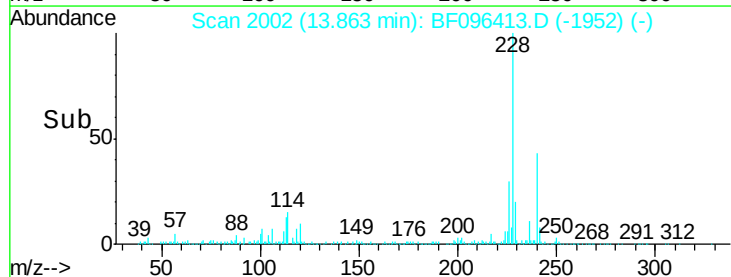
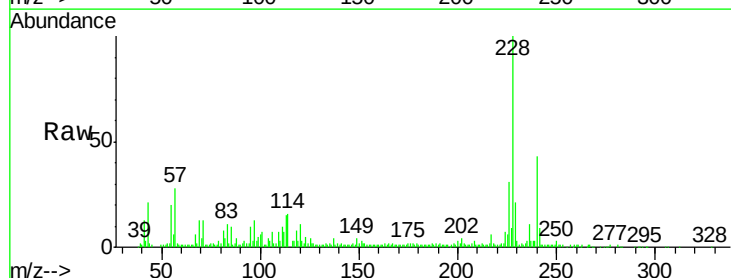
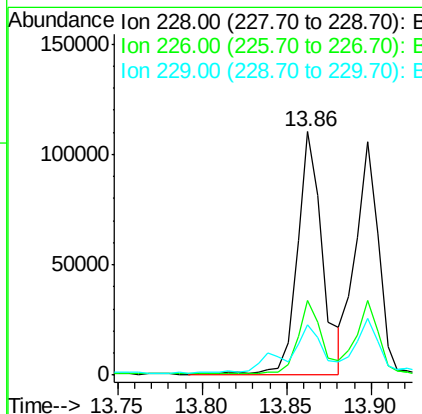
RT: 13.86 min Scan# 2002

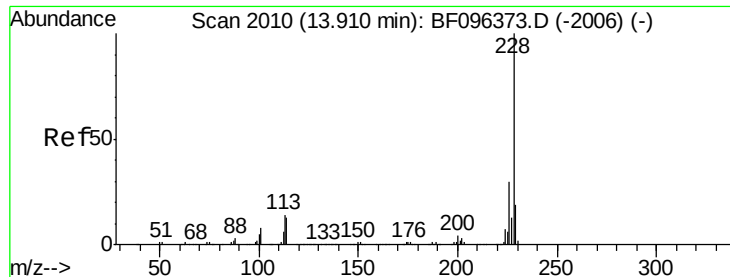
Delta R.T. -0.01 min

Lab File: BF096413.D

Acq: 2 Jul 2017 13:53

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	112726		
226	30.7	22.6	33.8	
229	20.9	16.3	24.5	





#82

Chrysene

Concen: 6.288 ng m

RT: 13.90 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF096413.D

Acq: 2 Jul 2017 13:53

Instrument :

BNA_F

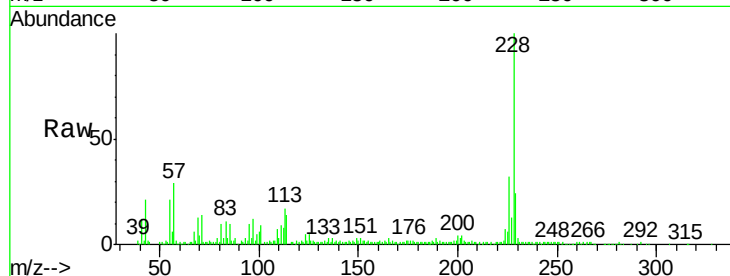
ClientSampleId :

B4-4-6

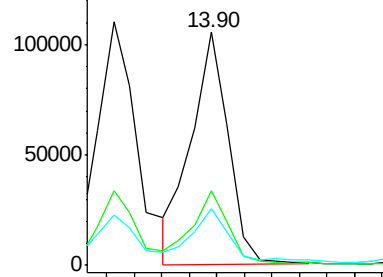
Tgt Ion:	228	Resp:	99700
Ion Ratio	Lower	Upper	
228	100		
226	32.1	24.9	37.3
229	24.1	15.8	23.6

Manual Integrations
APPROVED

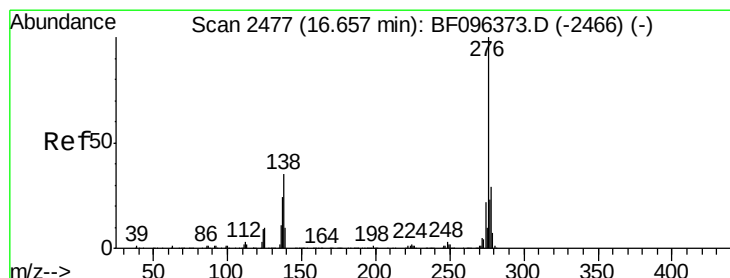
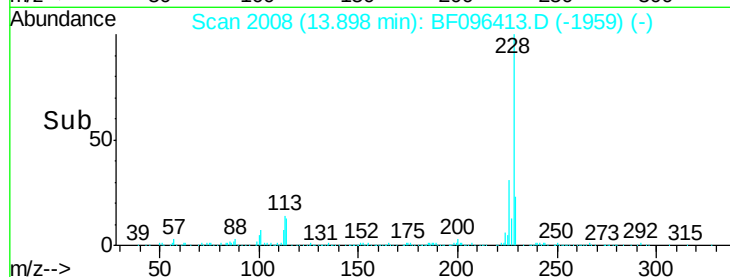
mohammad
7/3/2017 4:07:23 PM



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



Time-->



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.114 ng

RT: 16.65 min Scan# 2476

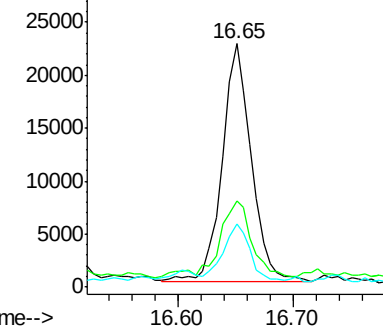
Delta R.T. -0.01 min

Lab File: BF096413.D

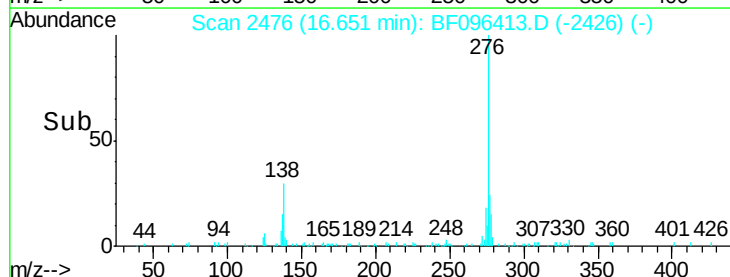
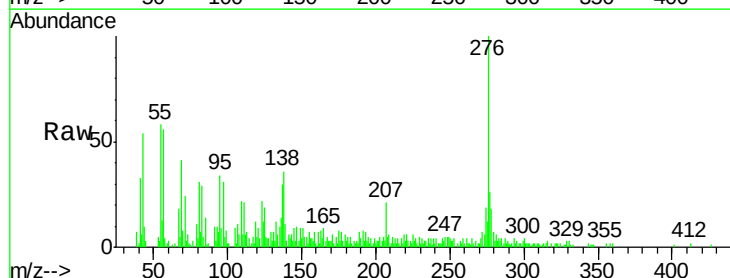
Acq: 2 Jul 2017 13:53

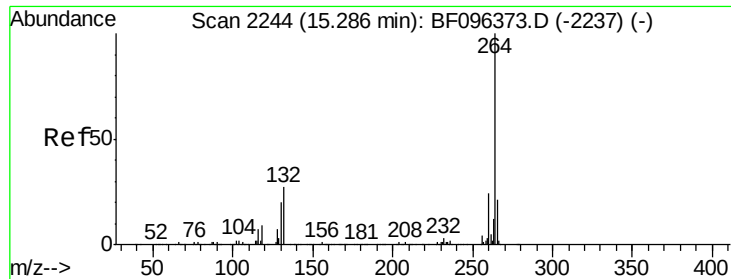
Tgt Ion:	276	Resp:	38972
Ion Ratio	Lower	Upper	
276	100		
138	37.4	27.8	41.6
277	21.9	20.2	30.4

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



Time-->





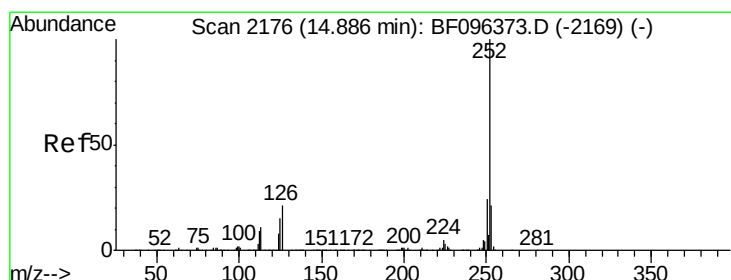
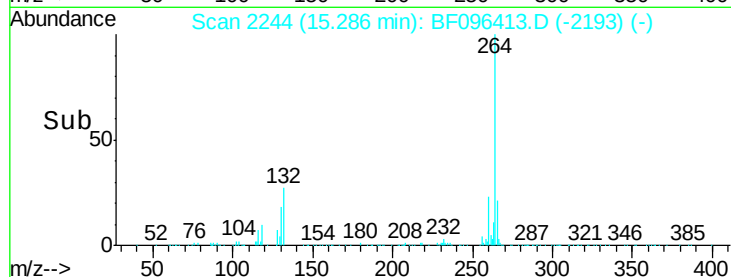
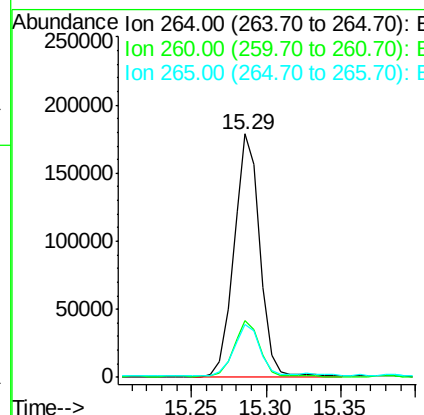
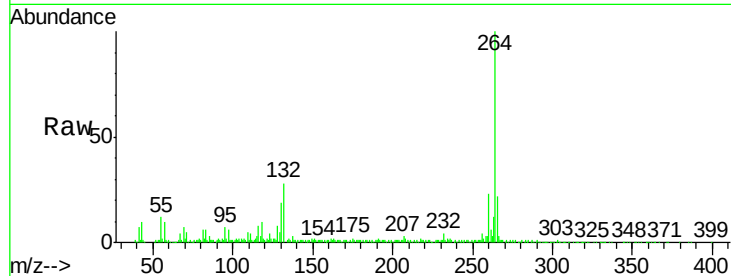
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2244
Delta R.T. 0.00 min
Lab File: BF096413.D
Acq: 2 Jul 2017 13:53

Instrument :
BNA_F
ClientSampleId :
B4-4-6

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.5	29.3
265	21.7	17.2	25.8

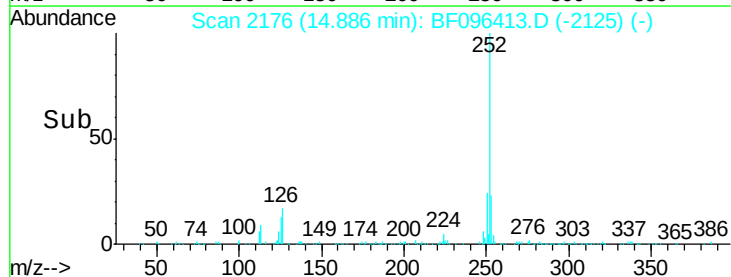
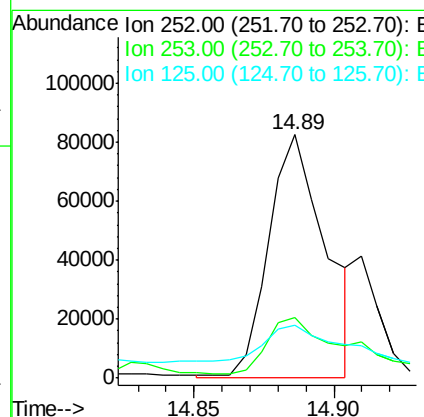
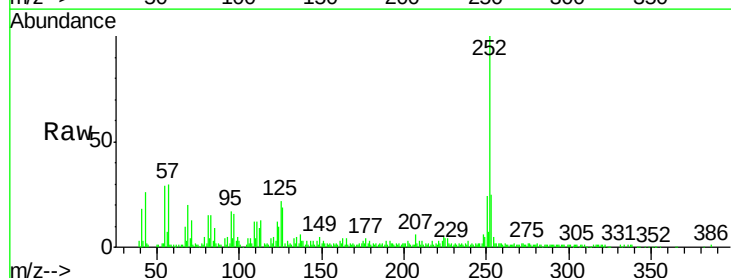
Manual Integrations
APPROVED

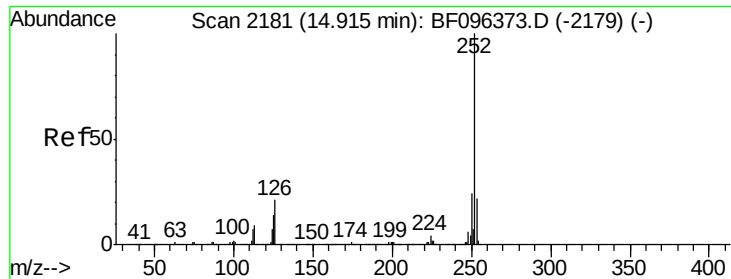
mohammad
7/3/2017 4:07:23 PM



#87
Benzo(b)fluoranthene
Concen: 8.663 ng m
RT: 14.89 min Scan# 2176
Delta R.T. 0.00 min
Lab File: BF096413.D
Acq: 2 Jul 2017 13:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	18.1	27.1
125	21.7	9.8	14.8#





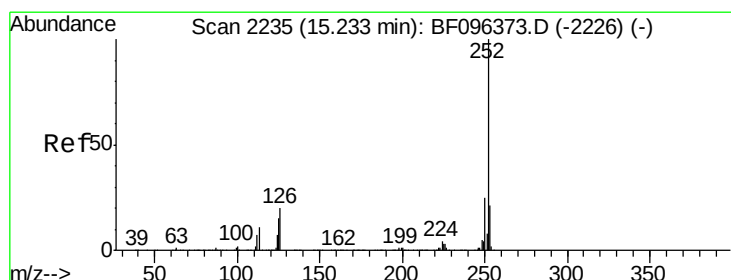
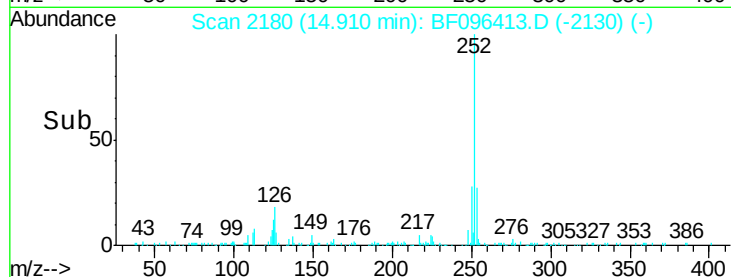
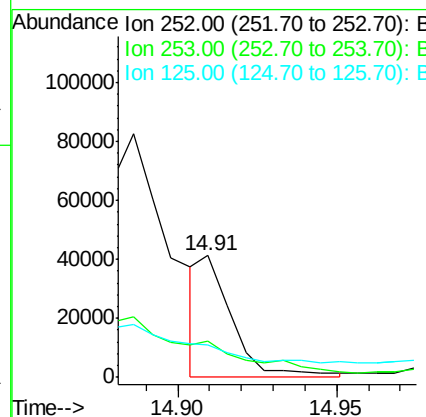
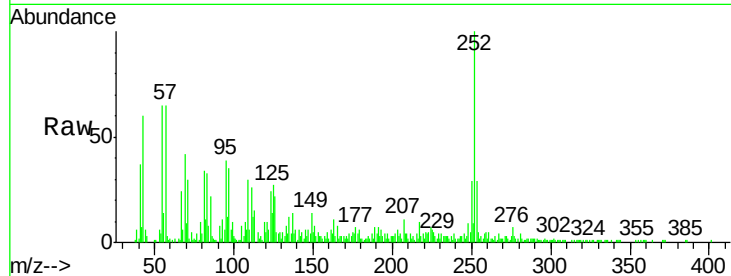
#88
Benzo(k)fluoranthene
Concen: 2.431 ng m
RT: 14.91 min Scan# 2180
Delta R.T. -0.01 min
Lab File: BF096413.D
Acq: 2 Jul 2017 13:53

Instrument :
BNA_F
ClientSampleId :
B4-4-6

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.5	18.4	27.6#
125	27.0	13.1	19.7#

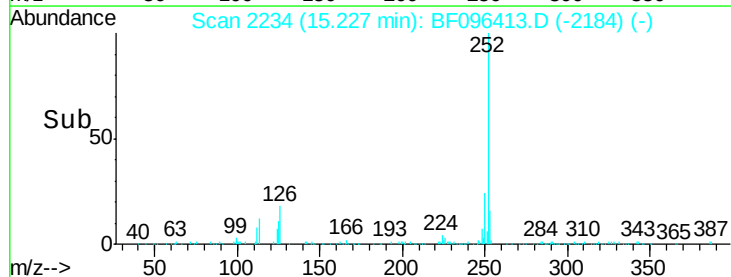
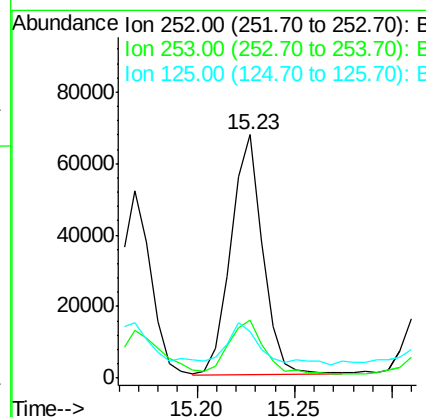
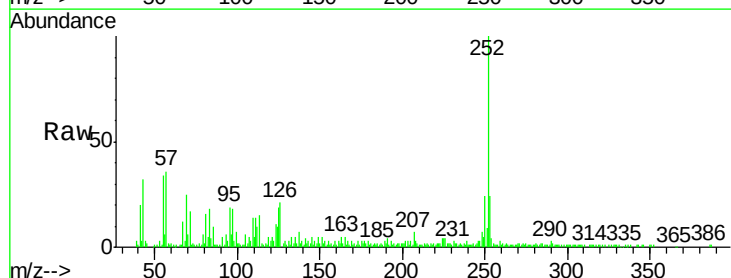
Manual Integrations
APPROVED

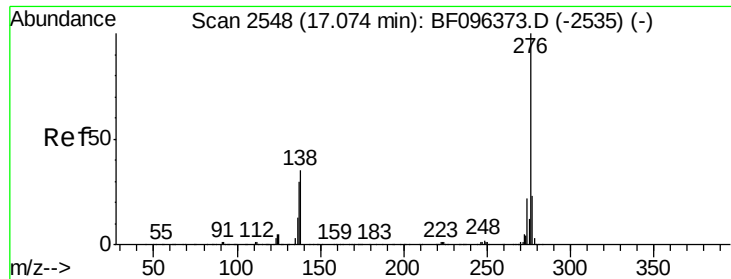
mohammad
7/3/2017 4:07:23 PM



#89
Benzo(a)pyrene
Concen: 6.296 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.01 min
Lab File: BF096413.D
Acq: 2 Jul 2017 13:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.5	26.3
125	19.2	11.0	16.4#





#91
 Benzo(g,h,i)perylene
 Concen: 4.063 ng
 RT: 17.06 min Scan# 2546
 Delta R.T. -0.01 min
 Lab File: BF096413.D
 Acq: 2 Jul 2017 13:53

Instrument :
 BNA_F
 ClientSampleId :
 B4-4-6

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	39789		
277	23.3	18.6	28.0	
138	34.4	25.4	38.0	

Manual Integrations
 APPROVED

mohammad
 7/3/2017 4:07:23 PM

