

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM120518\
 Data File : BM017909.D
 Acq On : 04 Dec 2018 19:10
 Operator : JU/SJ
 Sample : J5761-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 AU-06-112918

Manual Integrations
 APPROVED

mohammad
 12/5/2018 4:49:57 PM

Quant Time: Dec 05 00:31:36 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM111218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 12 18:37:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	297087	20.00	ng	-0.04
21) Naphthalene-d8	10.35	136	1090552	20.00	ng	-0.04
39) Acenaphthene-d10	14.23	164	511534	20.00	ng	-0.04
64) Phenanthrene-d10	16.99	188	959359	20.00	ng	-0.03
76) Chrysene-d12	21.19	240	996242	20.00	ng	-0.02
87) Perylene-d12	23.38	264	1114046	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	1561825	88.72	ng	-0.03
7) Phenol-d6	6.77	99	1938392	78.84	ng	-0.03
23) Nitrobenzene-d5	8.74	82	1197795	56.70	ng	-0.04
42) 2,4,6-Tribromophenol	15.73	330	580609	78.99	ng	-0.03
45) 2-Fluorobiphenyl	12.84	172	2159982	54.78	ng	-0.04
79) Terphenyl-d14	19.63	244	2246775	51.11	ng	-0.02
Target Compounds						
10) Phenol	6.80	94	140414	5.441	ng	97
50) Dimethylphthalate	13.69	163	164692	3.960	ng	# 97
71) Phenanthrene	17.03	178	120765	2.320	ng	98
75) Fluoranthene	19.06	202	299963	5.093	ng	97
78) Pyrene	19.42	202	267856	4.358	ng	98
81) Benzo(a)anthracene	21.17	228	149619	2.607	ng	97
83) Chrysene	21.23	228	170174m	3.053	ng	
86) Indeno(1,2,3-cd)pyrene	25.54	276	141311	3.172	ng	96
88) Benzo(b)fluoranthene	22.73	252	259833	3.983	ng	# 92
90) Benzo(a)pyrene	23.28	252	179139	3.011	ng	# 90
92) Benzo(g,h,i)perylene	26.21	276	152094	3.234	ng	97

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

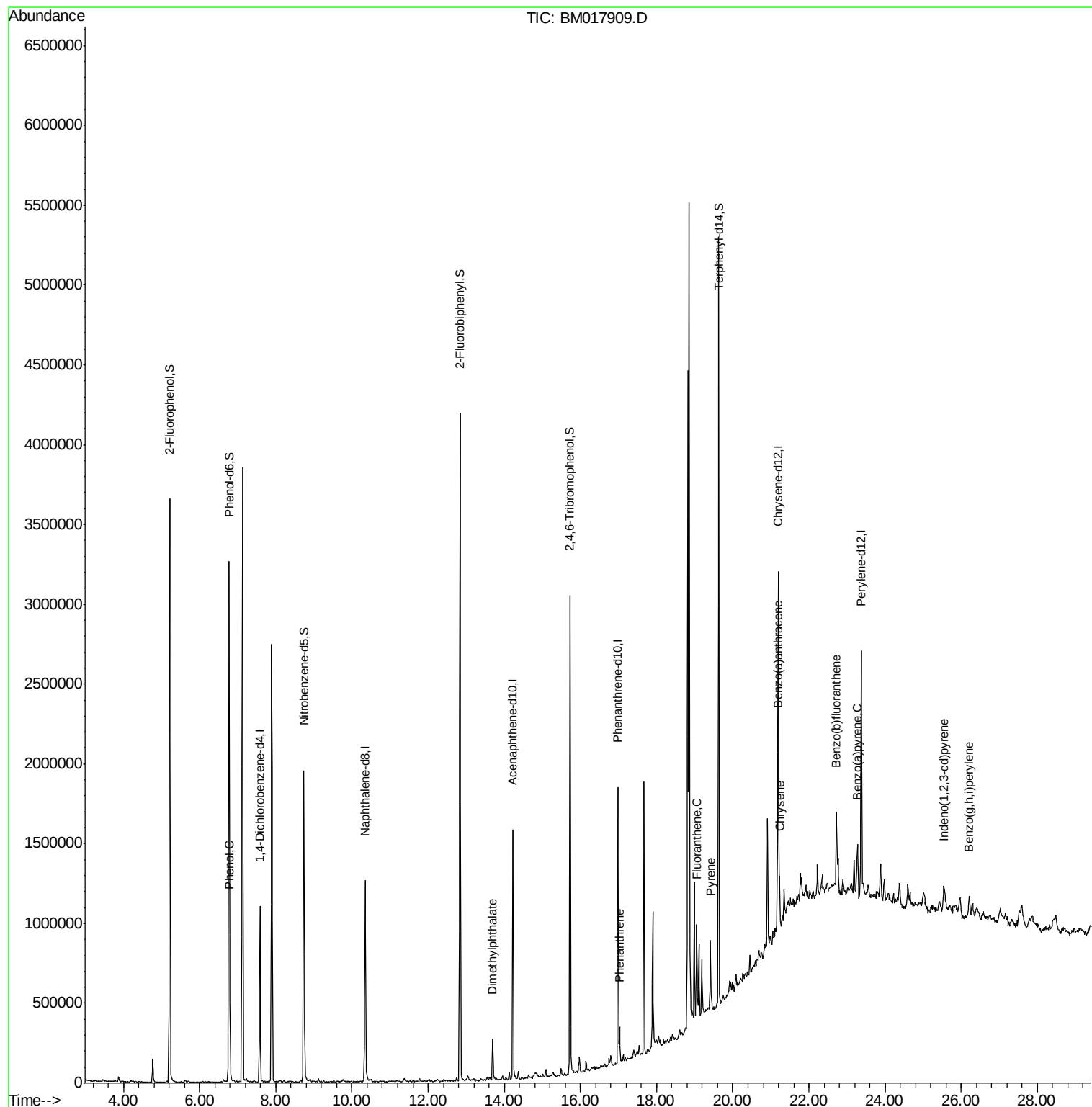
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM120518\
Data File : BM017909.D
Acq On : 04 Dec 2018 19:10
Operator : JU/SJ
Sample : J5761-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

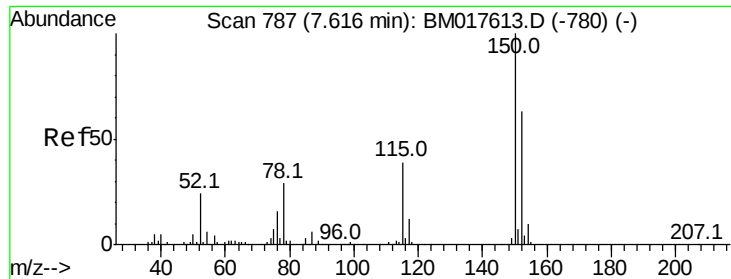
Instrument :
BNA_M
ClientSampleId :
AU-06-112918

Manual Integrations
APPROVED

mohammad
12/5/2018 4:49:57 PM

Quant Time: Dec 05 00:31:36 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM111218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 12 18:37:25 2018
Response via : Initial Calibration





#1

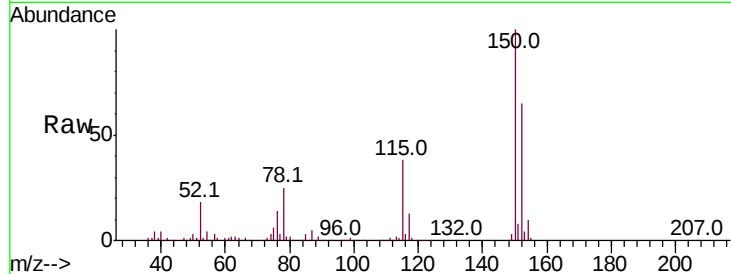
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.58 min Scan# 781
Delta R.T. -0.04 min
Lab File: BM017909.D
Acq: 04 Dec 2018 19:10

Instrument :
BNA_M
ClientSampleId :
AU-06-112918

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.0	126.4	189.6
115	58.6	49.4	74.0

Manual Integrations
APPROVED

mohammad
12/5/2018 4:49:57 PM

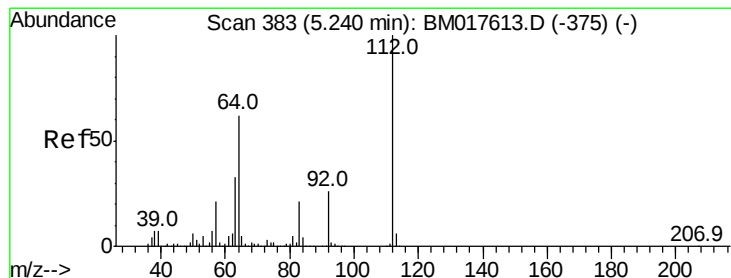
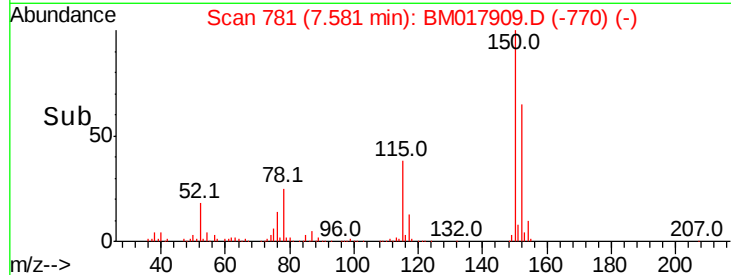
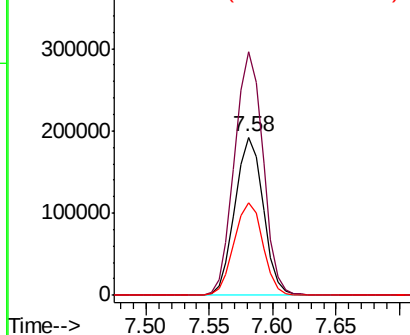


Abundance

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: 88.722 ng
RT: 5.21 min Scan# 378
Delta R.T. -0.03 min
Lab File: BM017909.D
Acq: 04 Dec 2018 19:10

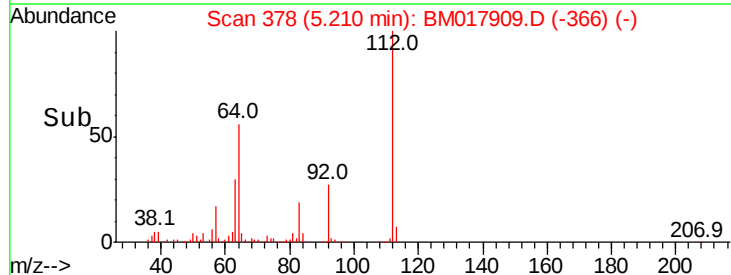
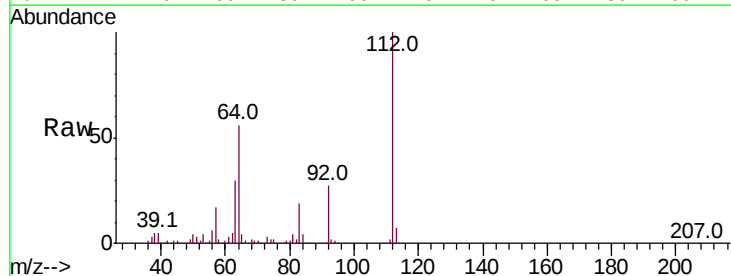
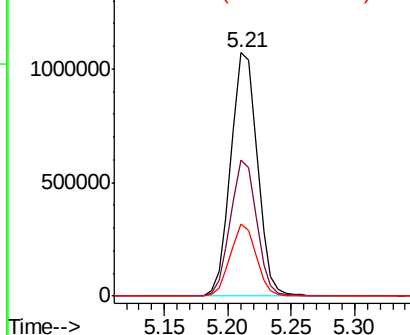
Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.7	49.3	73.9
63	29.8	26.2	39.4

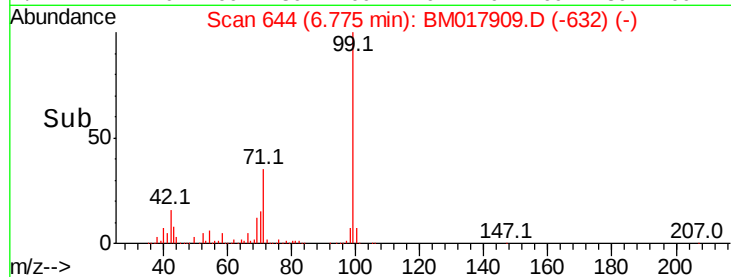
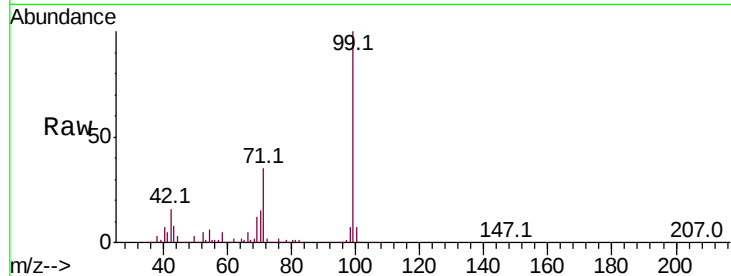
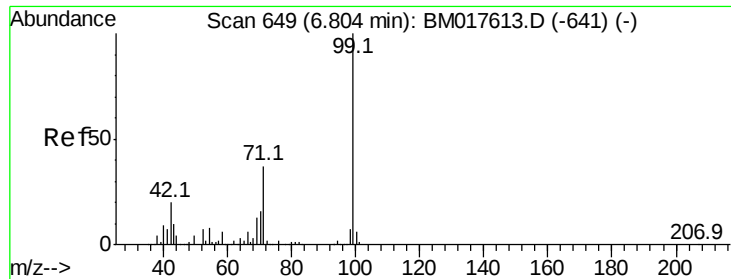
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 63.00 (62.70 to 63.70): BM0





#7

Phenol-d6

Concen: 78.841 ng

RT: 6.77 min Scan# 644

Delta R.T. -0.03 min

Lab File: BM017909.D

Acq: 04 Dec 2018 19:10

Tot Ion: 99 Resp: 1938392

Ion Ratio Lower Upper

99 100

42 15.6 16.3 24.5#

71 34.7 29.8 44.8

Instrument :

BNA_M

ClientSampleId :

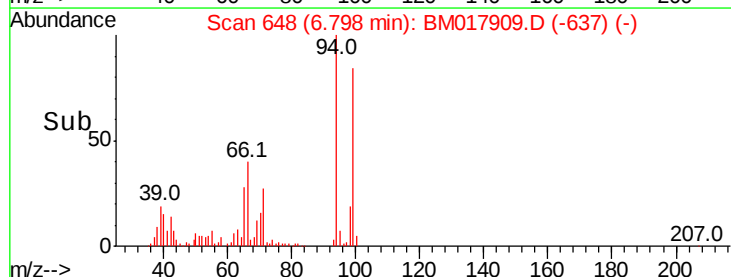
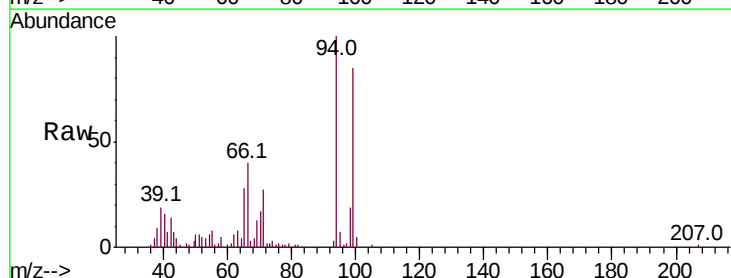
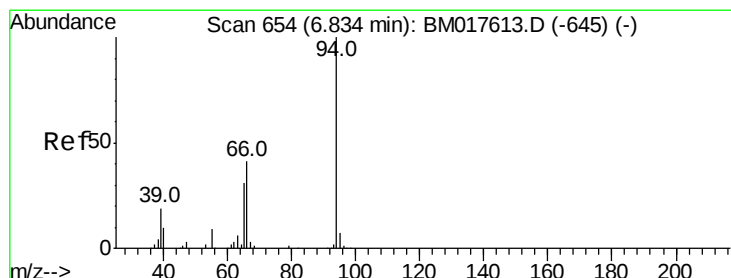
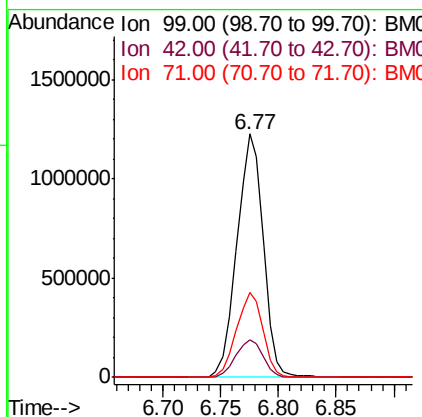
AU-06-112918

Manual Integrations

APPROVED

mohammad

12/5/2018 4:49:57 PM



#10

Phenol

Concen: 5.441 ng

RT: 6.80 min Scan# 648

Delta R.T. -0.04 min

Lab File: BM017909.D

Acq: 04 Dec 2018 19:10

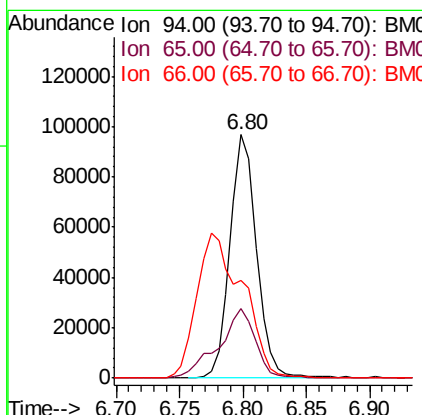
Tgt Ion: 94 Resp: 140414

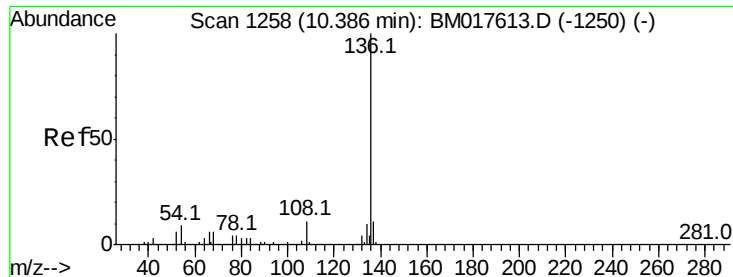
Ion Ratio Lower Upper

94 100

65 28.5 11.4 51.4

66 40.2 21.4 61.4





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.35 min Scan# 1252

Delta R.T. -0.04 min

Lab File: BM017909.D

Acq: 04 Dec 2018 19:10

Instrument :

BNA_M

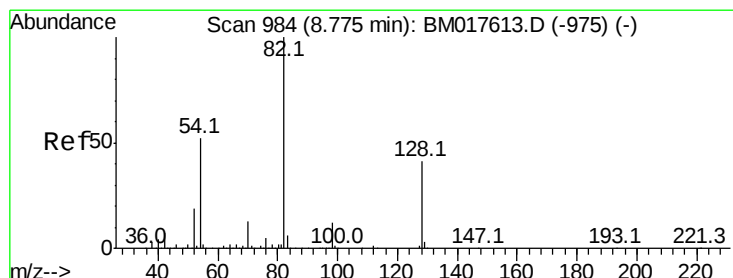
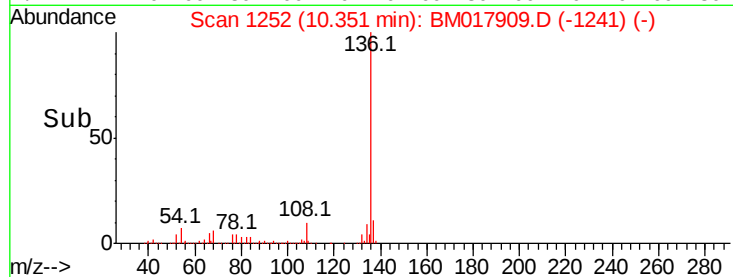
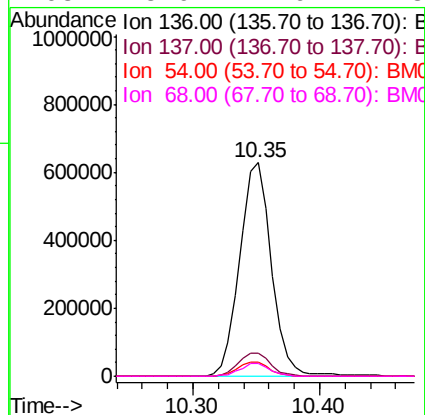
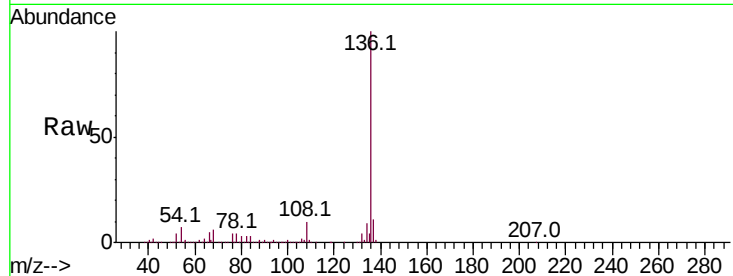
ClientSampleId :

AU-06-112918

Tot Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	12.8
54	6.8	7.0	10.6
68	5.9	4.9	7.3

Manual Integrations
APPROVED

mohammad
12/5/2018 4:49:57 PM



#23

Nitrobenzene-d5

Concen: 56.702 ng

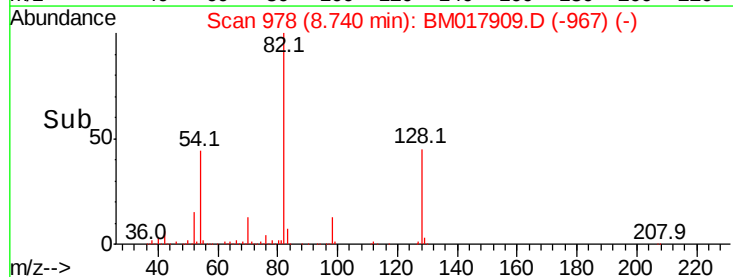
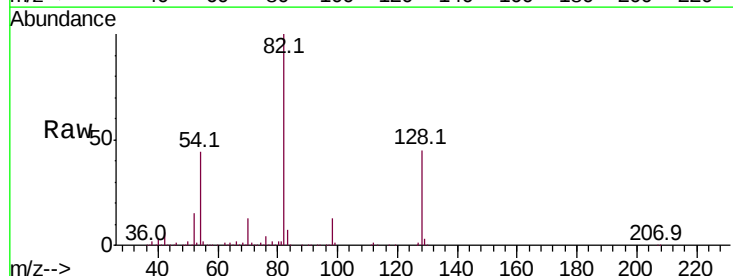
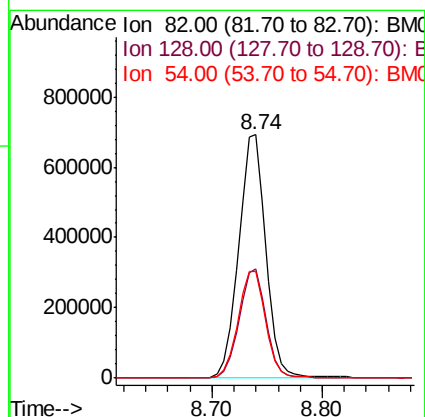
RT: 8.74 min Scan# 978

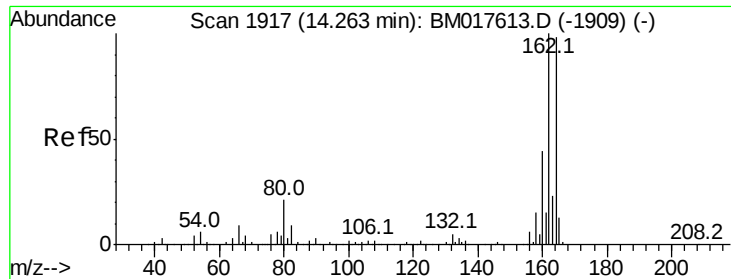
Delta R.T. -0.04 min

Lab File: BM017909.D

Acq: 04 Dec 2018 19:10

Tgt Ion	Ratio	Lower	Upper
82	100		
128	44.8	33.0	49.4
54	43.7	41.4	62.2





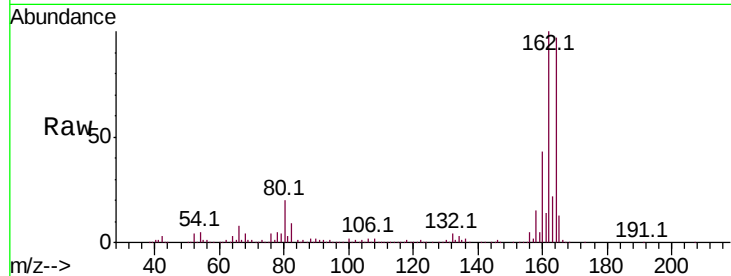
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.23 min Scan# 1911
Delta R.T. -0.04 min
Lab File: BM017909.D
Acq: 04 Dec 2018 19:10

Instrument :
BNA_M
ClientSampleId :
AU-06-112918

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.0	81.4	122.0
160	44.5	35.6	53.4

Manual Integrations
APPROVED

mohammad
12/5/2018 4:49:57 PM

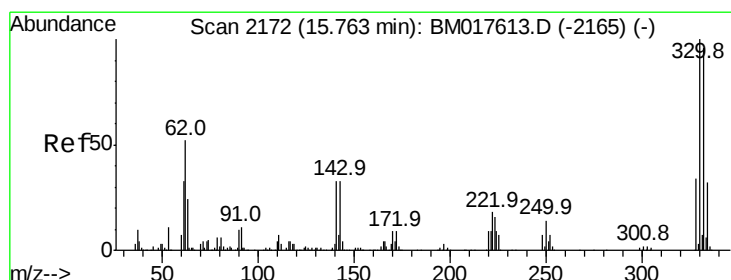
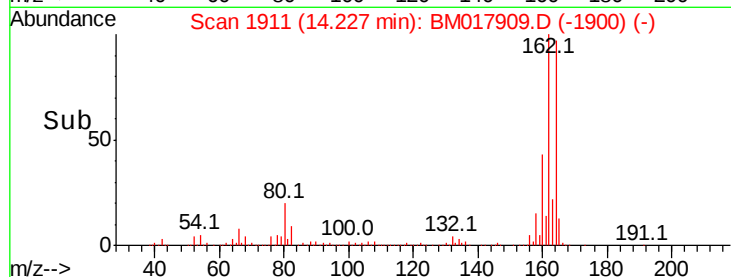
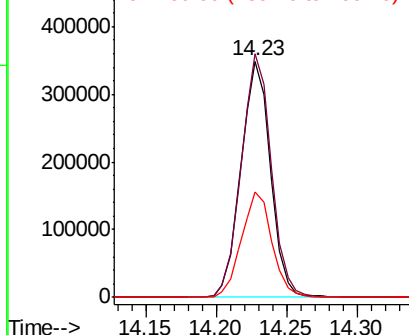


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 78.994 ng
RT: 15.73 min Scan# 2167
Delta R.T. -0.03 min
Lab File: BM017909.D
Acq: 04 Dec 2018 19:10

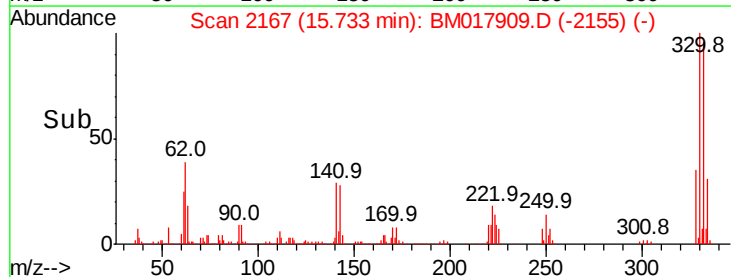
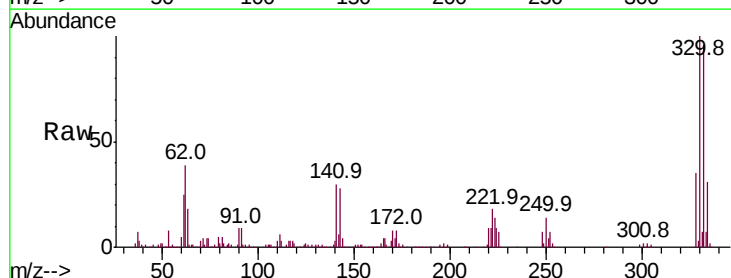
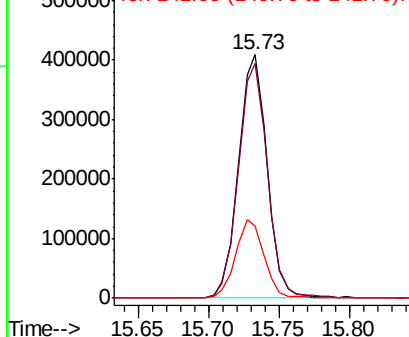
Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.9	116.9
141	32.0	27.5	41.3

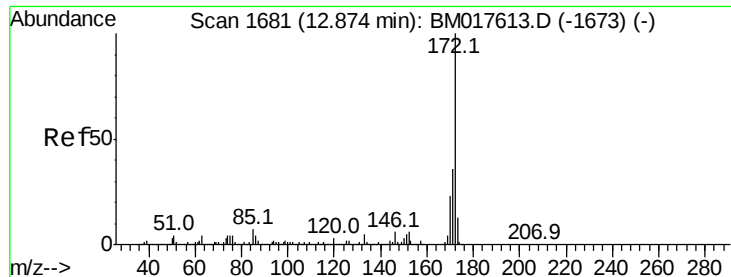
Abundance

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





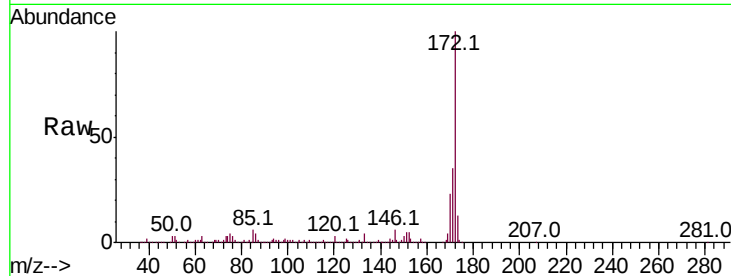
#45
2-Fluorobiphenyl
Concen: 54.781 ng
RT: 12.84 min Scan# 1675
Delta R.T. -0.04 min
Lab File: BM017909.D
Acq: 04 Dec 2018 19:10

Instrument :
BNA_M
ClientSampleId :
AU-06-112918

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.7	43.1
170	23.2	18.3	27.5

Manual Integrations
APPROVED

mohammad
12/5/2018 4:49:57 PM

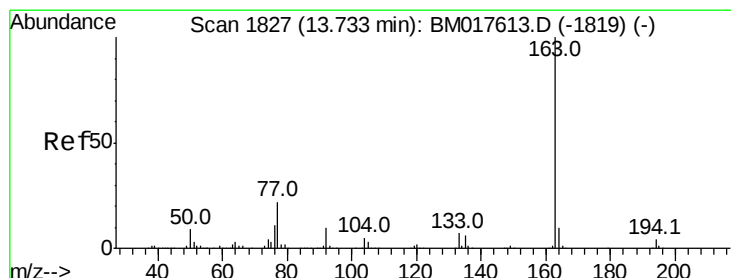
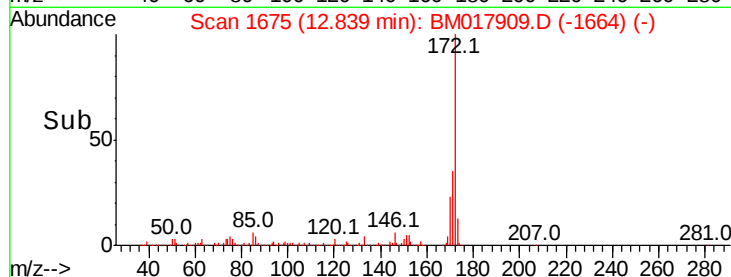
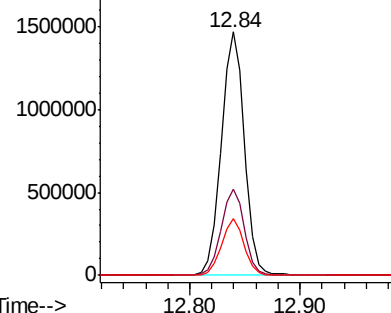


Abundance

Ion 172.00 (171.70 to 172.70): E

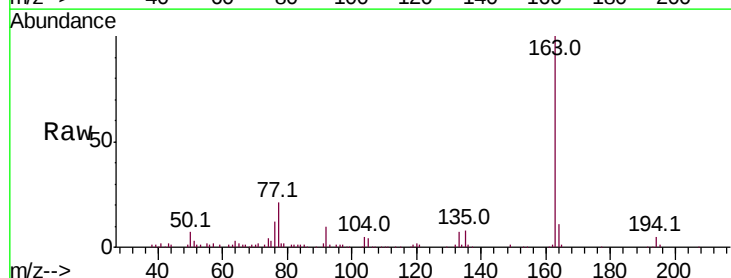
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 3.960 ng
RT: 13.69 min Scan# 1820
Delta R.T. -0.04 min
Lab File: BM017909.D
Acq: 04 Dec 2018 19:10

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.9	3.1	4.7#
164	11.3	8.2	12.4

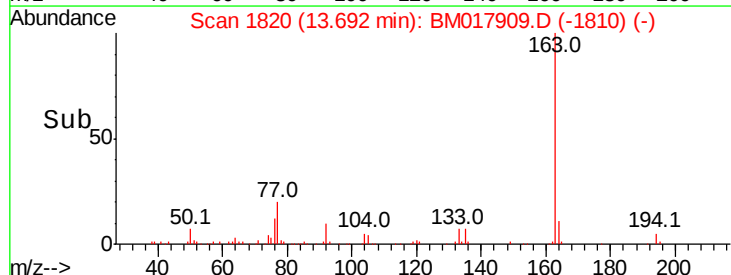
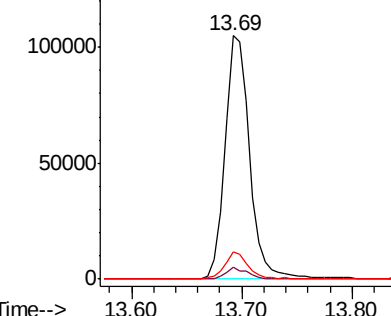


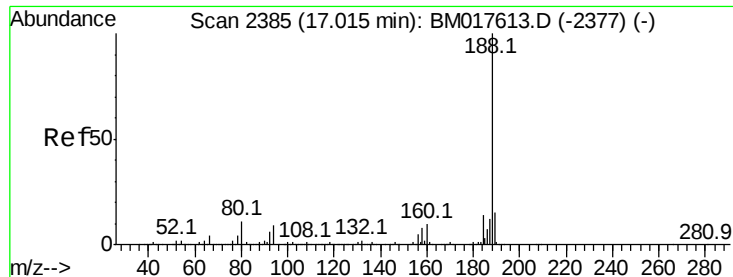
Abundance

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.99 min Scan# 2380

Delta R.T. -0.03 min

Lab File: BM017909.D

Acq: 04 Dec 2018 19:10

Instrument :

BNA_M

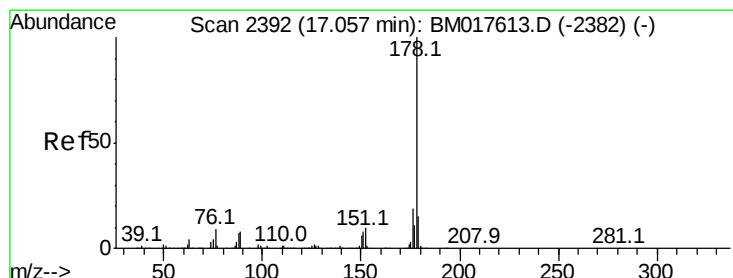
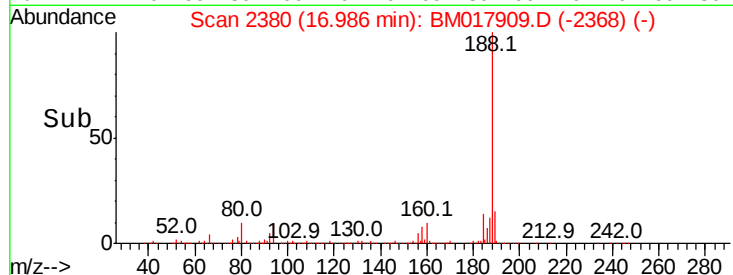
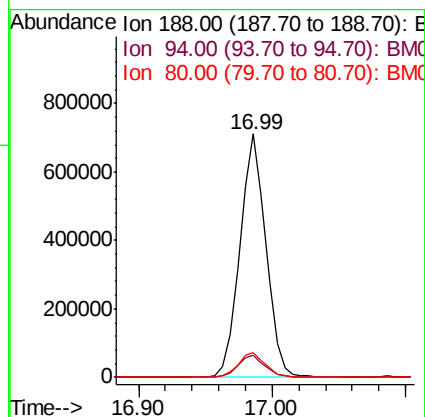
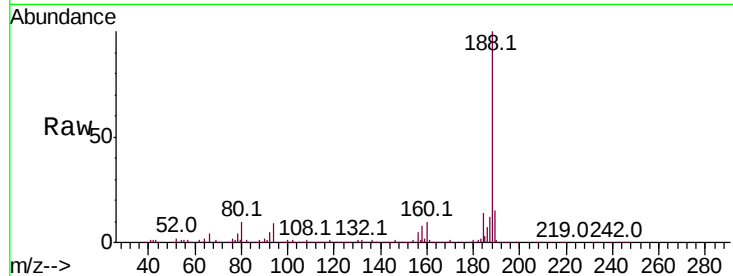
ClientSampleId :

AU-06-112918

Tot Ion:	188	Resp:	959359
Ion Ratio	Lower	Upper	
188	100		
94	8.9	7.5	11.3
80	10.4	8.6	13.0

Manual Integrations
APPROVED

mohammad
12/5/2018 4:49:57 PM



#71

Phenanthrene

Concen: 2.320 ng

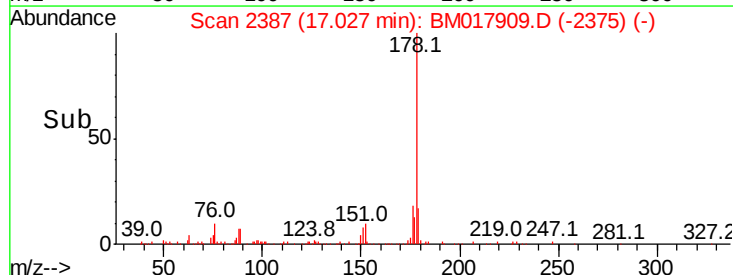
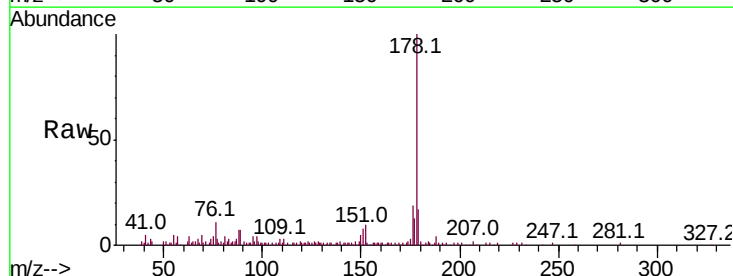
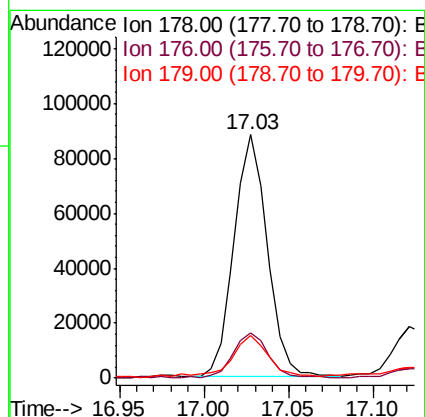
RT: 17.03 min Scan# 2387

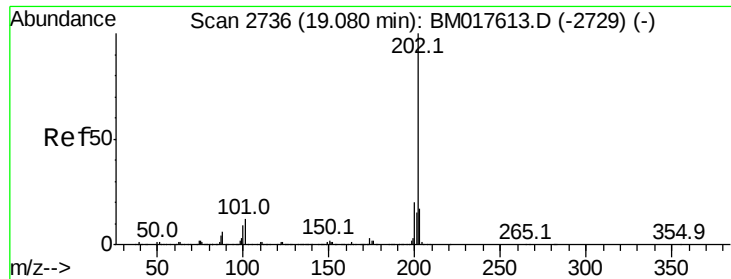
Delta R.T. -0.03 min

Lab File: BM017909.D

Acq: 04 Dec 2018 19:10

Tgt Ion:	178	Resp:	120765
Ion Ratio	Lower	Upper	
178	100		
176	18.7	15.0	22.4
179	17.4	12.4	18.6





#75

Fluoranthene

Concen: 5.093 ng

RT: 19.06 min Scan# 2732

Delta R.T. -0.02 min

Lab File: BM017909.D

Acq: 04 Dec 2018 19:10

Instrument :

BNA_M

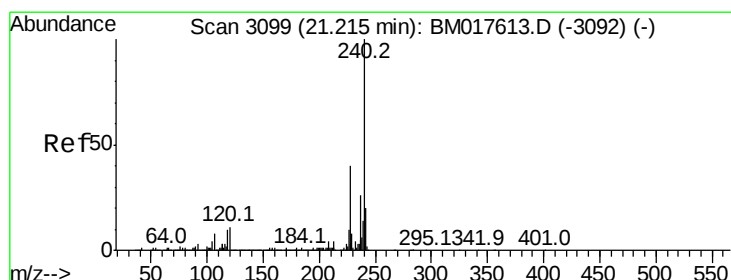
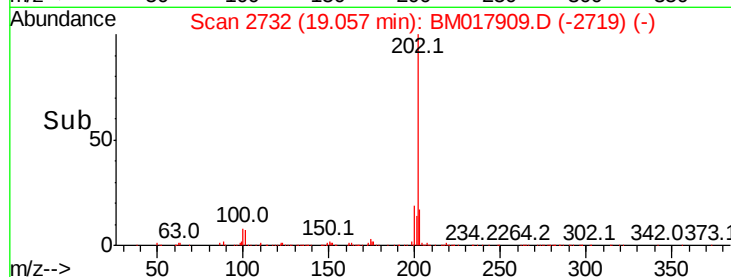
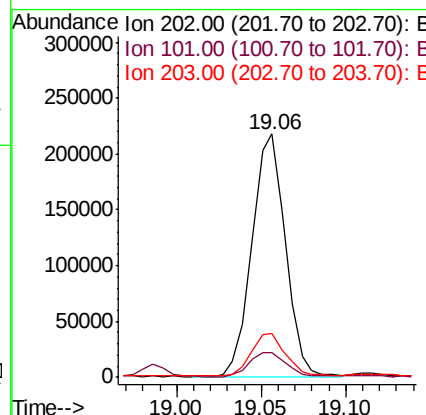
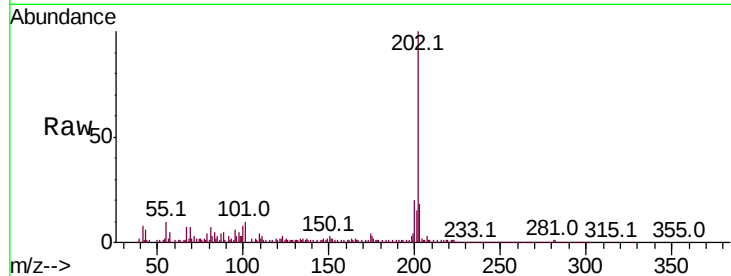
ClientSampleId :

AU-06-112918

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.0	0.0	31.5
203	18.1	0.0	37.2

Manual Integrations
APPROVED

mohammad
12/5/2018 4:49:57 PM



#76

Chrysene-d12

Concen: 20.000 ng

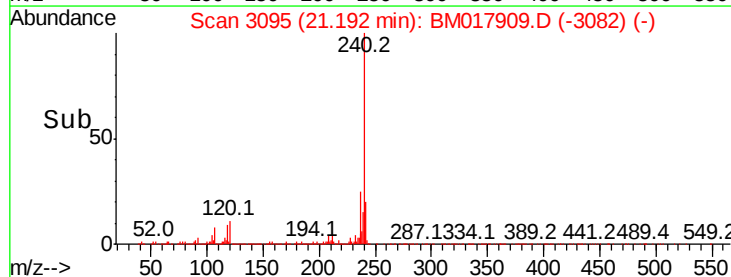
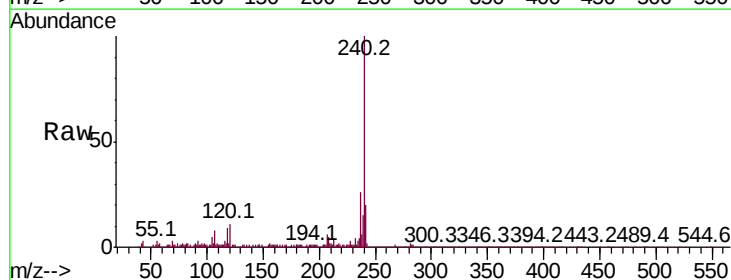
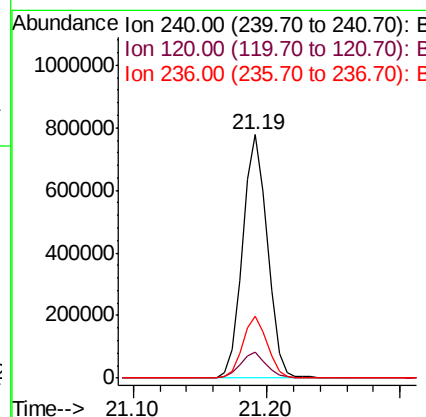
RT: 21.19 min Scan# 3095

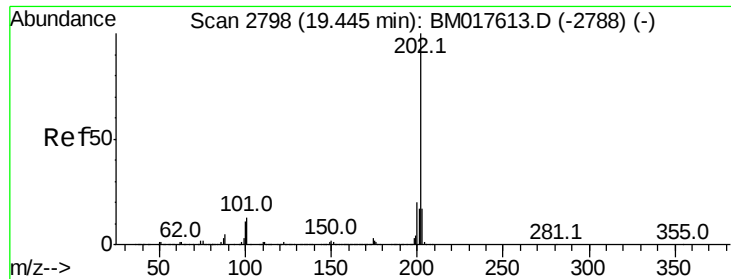
Delta R.T. -0.02 min

Lab File: BM017909.D

Acq: 04 Dec 2018 19:10

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	10.8	8.5	12.7
236	25.5	20.4	30.6





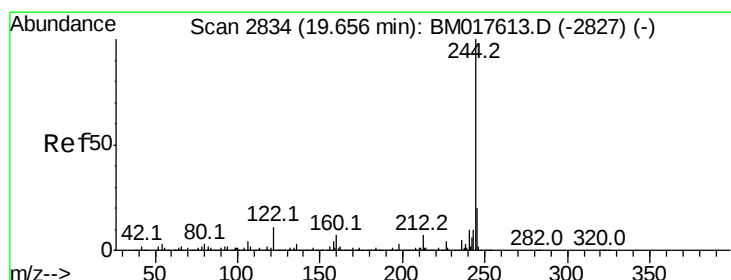
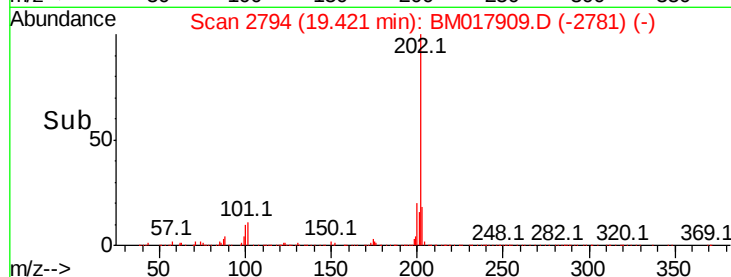
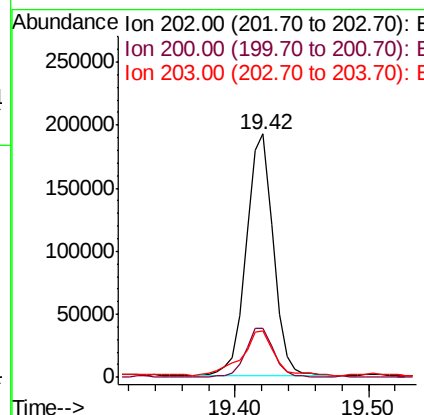
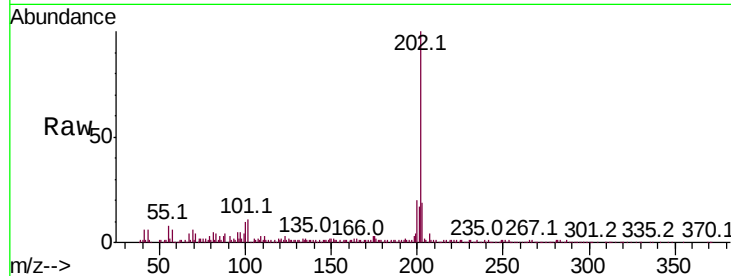
#78
Pvrene
Concen: 4.358 ng
RT: 19.42 min Scan# 2794
Delta R.T. -0.02 min
Lab File: BM017909.D
Acq: 04 Dec 2018 19:10

Instrument :
BNA_M
ClientSampleId :
AU-06-112918

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.3	16.4	24.6
203	19.2	13.8	20.8

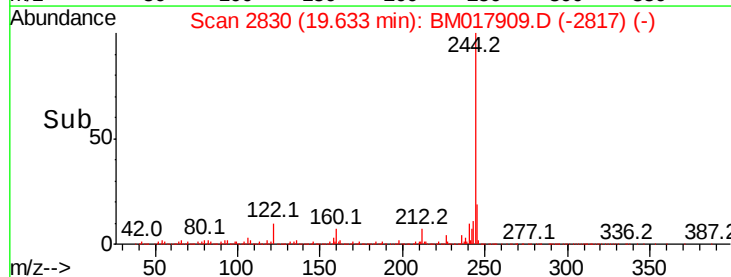
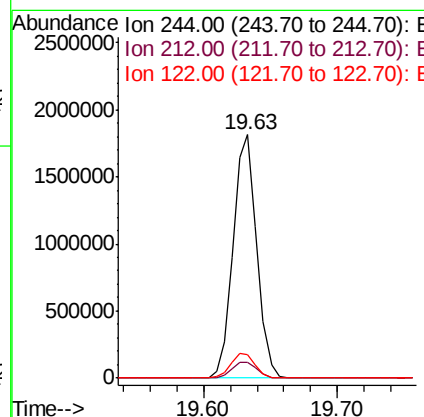
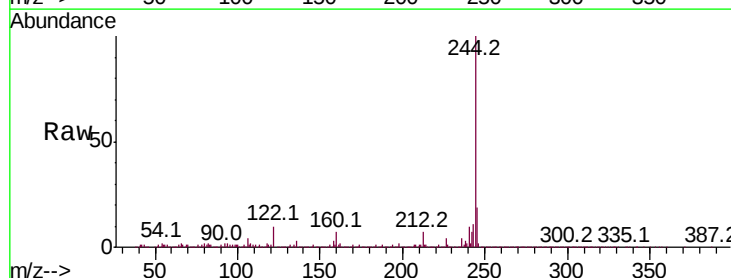
Manual Integrations
APPROVED

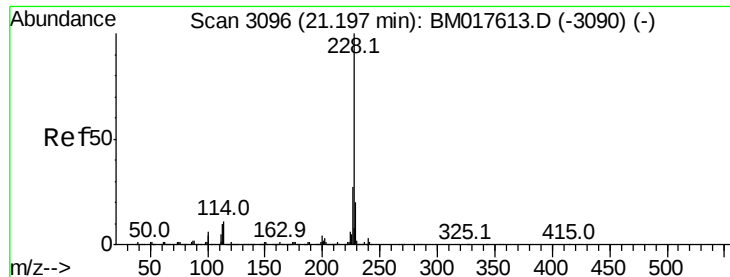
mohammad
12/5/2018 4:49:57 PM



#79
Terphenyl-d14
Concen: 51.113 ng
RT: 19.63 min Scan# 2830
Delta R.T. -0.02 min
Lab File: BM017909.D
Acq: 04 Dec 2018 19:10

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.7	5.8	8.6
122	9.9	9.0	13.6





#81

Benzo(a)anthracene

Concen: 2.607 ng

RT: 21.17 min Scan# 3092

Delta R.T. -0.02 min

Lab File: BM017909.D

Acq: 04 Dec 2018 19:10

Instrument :

BNA_M

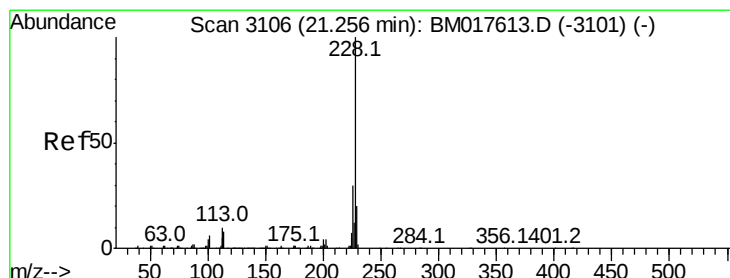
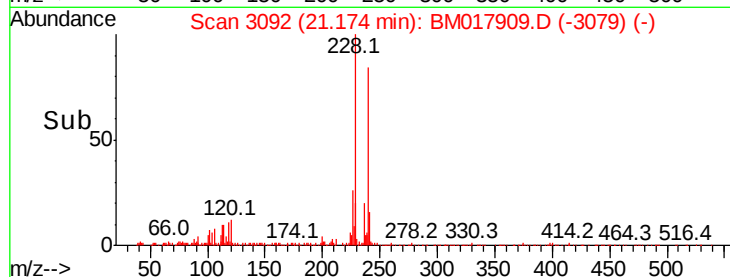
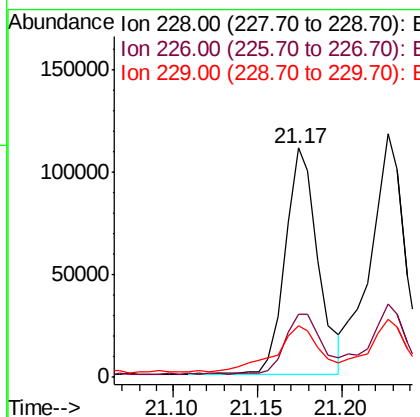
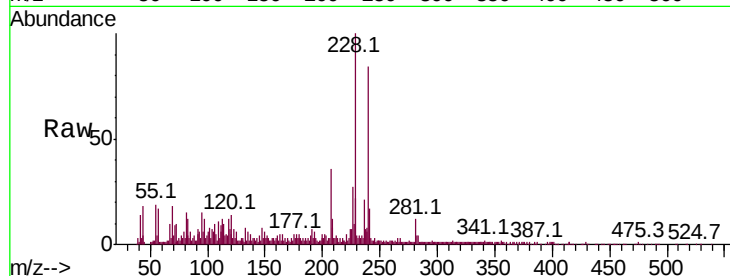
ClientSampleId :

AU-06-112918

Tot Ion:	228	Resp:	149619
Ion Ratio	Lower	Upper	
228	100		
226	27.3	21.3	31.9
229	22.3	16.0	24.0

Manual Integrations
APPROVED

mohammad
12/5/2018 4:49:57 PM



#83

Chrysene

Concen: 3.053 ng m

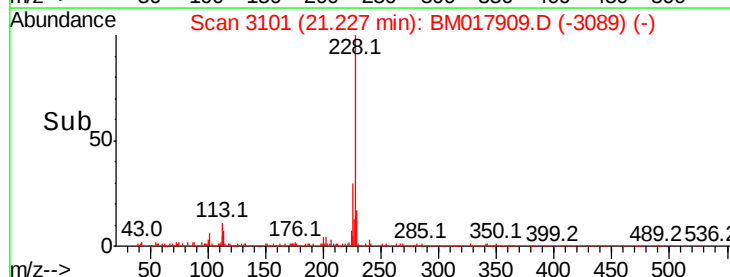
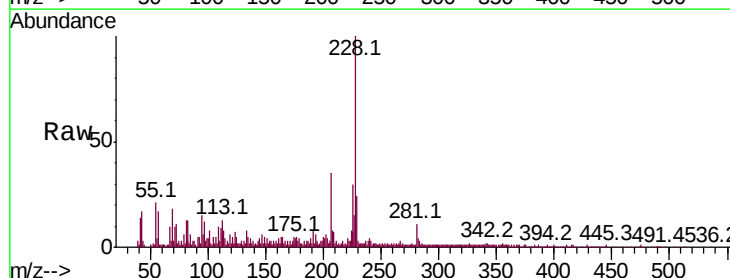
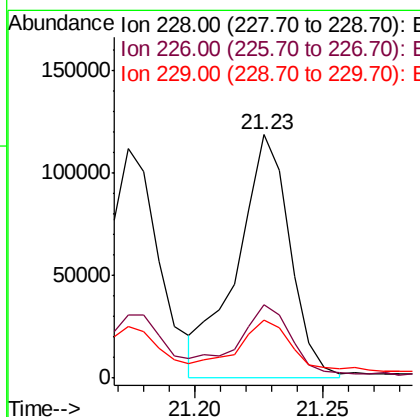
RT: 21.23 min Scan# 3101

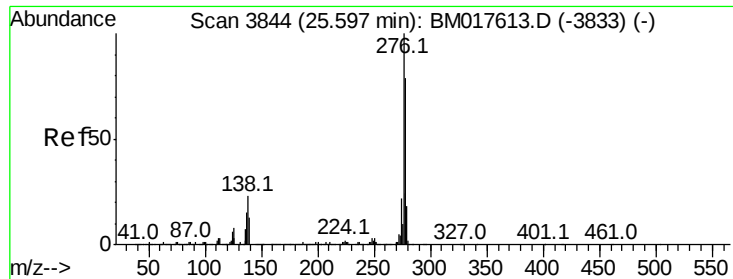
Delta R.T. -0.03 min

Lab File: BM017909.D

Acq: 04 Dec 2018 19:10

Tgt Ion:	228	Resp:	170174
Ion Ratio	Lower	Upper	
228	100		
226	30.3	23.6	35.4
229	23.7	15.8	23.6#





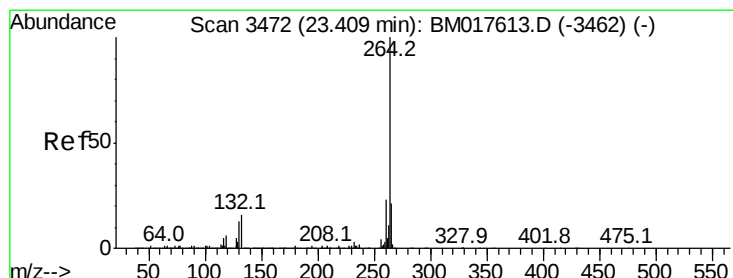
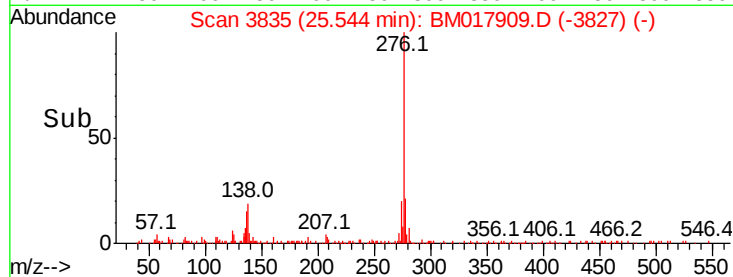
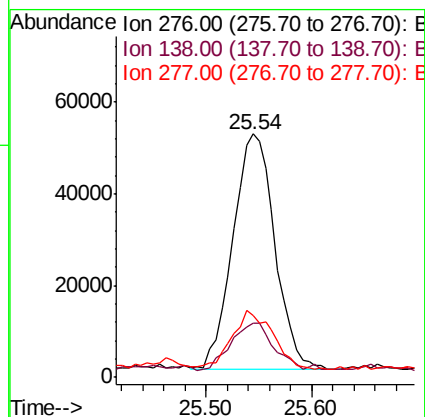
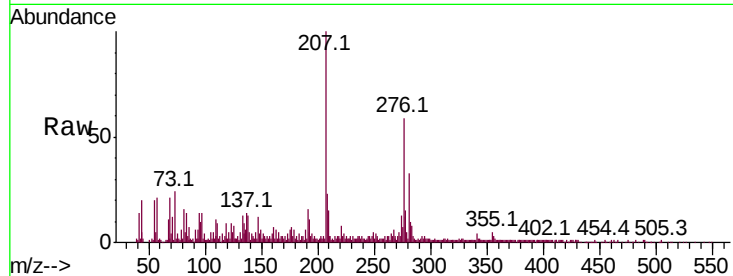
#86
Indeno(1,2,3-cd)pyrene
Concen: 3.172 ng
RT: 25.54 min Scan# 3835
Delta R.T. -0.05 min
Lab File: BM017909.D
Acq: 04 Dec 2018 19:10

Instrument :
BNA_M
ClientSampleId :
AU-06-112918

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.1	19.1	28.7
277	24.9	20.0	30.0

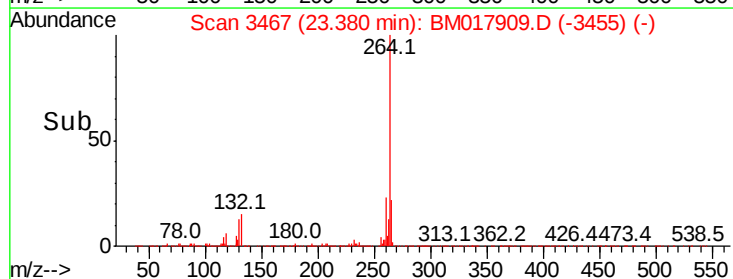
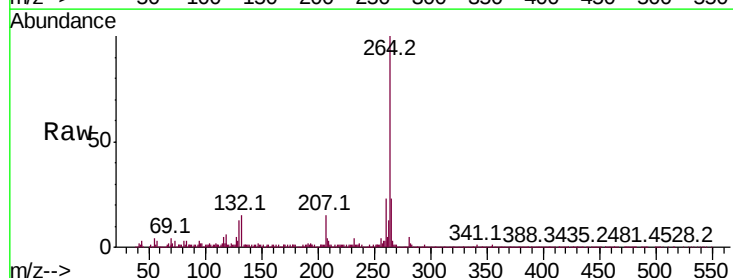
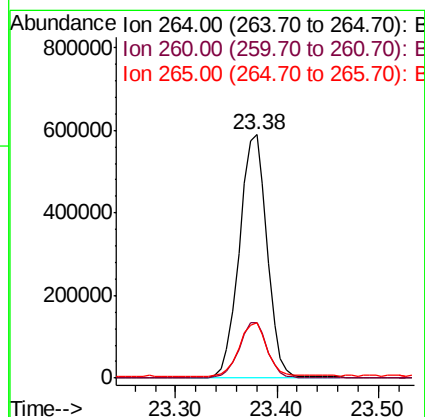
Manual Integrations
APPROVED

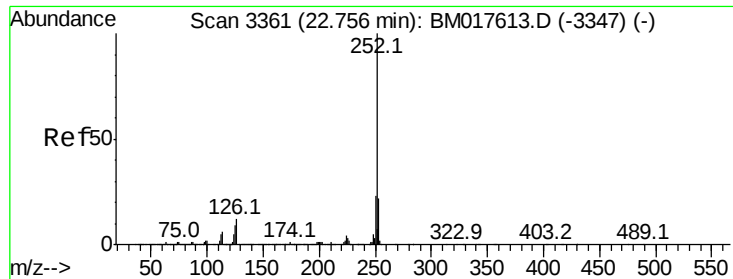
mohammad
12/5/2018 4:49:57 PM



#87
Perylene-d12
Concen: 20.000 ng
RT: 23.38 min Scan# 3467
Delta R.T. -0.03 min
Lab File: BM017909.D
Acq: 04 Dec 2018 19:10

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.8	18.2	27.2
265	22.6	17.5	26.3





#88

Benzo(b)fluoranthene

Concen: 3.983 ng

RT: 22.73 min Scan# 3356

Delta R.T. -0.03 min

Lab File: BM017909.D

Acq: 04 Dec 2018 19:10

Instrument :

BNA_M

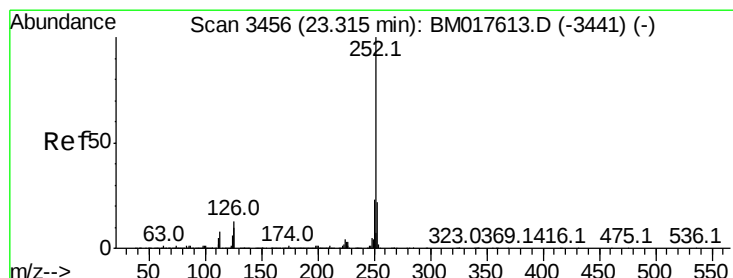
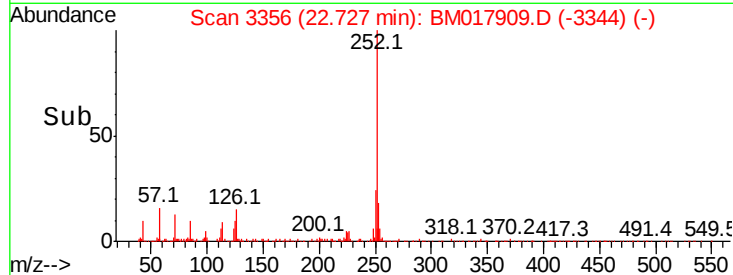
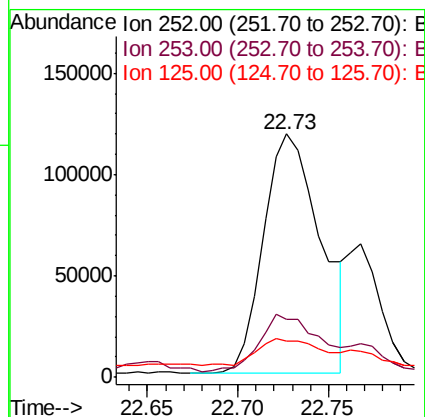
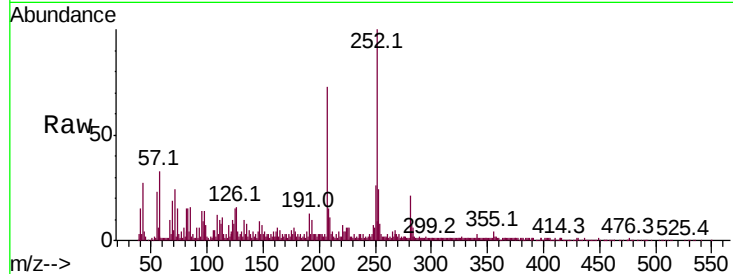
ClientSampleId :

AU-06-112918

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.3	25.9
125	14.9	7.6	11.4

Manual Integrations
APPROVED

mohammad
12/5/2018 4:49:57 PM



#90

Benzo(a)pyrene

Concen: 3.011 ng

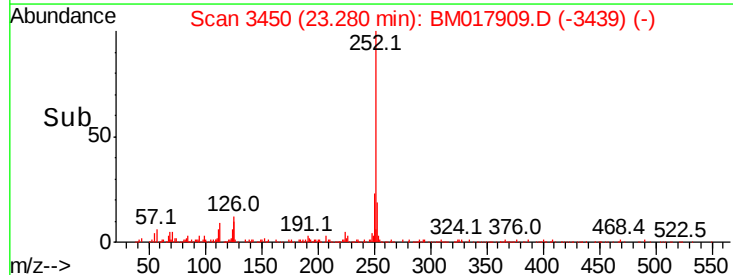
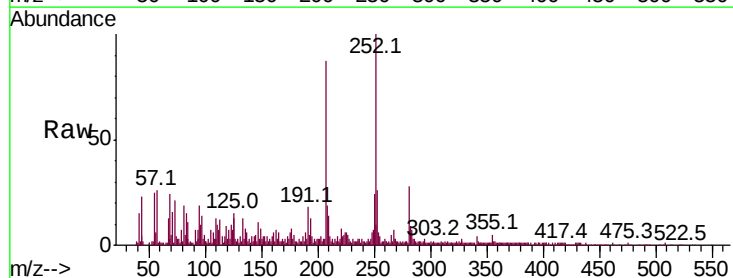
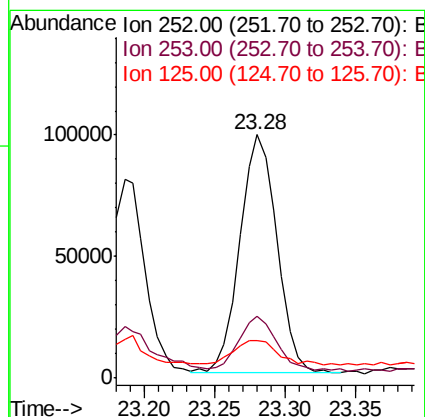
RT: 23.28 min Scan# 3450

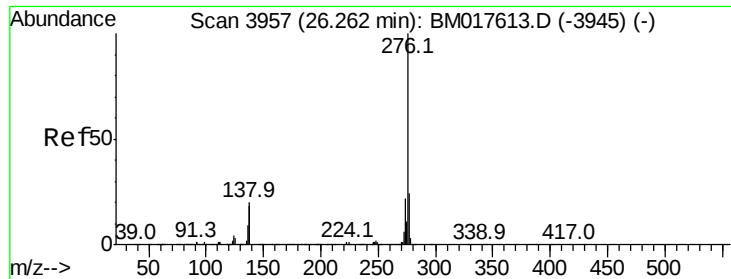
Delta R.T. -0.04 min

Lab File: BM017909.D

Acq: 04 Dec 2018 19:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.6	17.4	26.2
125	15.3	8.2	12.2





#92
 Benzo(a,h,i)perylene
 Concen: 3.234 ng
 RT: 26.21 min Scan# 3948
 Delta R.T. -0.05 min
 Lab File: BM017909.D
 Acq: 04 Dec 2018 19:10

Instrument :
 BNA_M
 ClientSampleId :
 AU-06-112918

Tot Ion:	276	Resp:	152094
Ion Ratio		Lower	Upper
276	100		
277	26.1	19.0	28.4
138	19.7	15.9	23.9

Manual Integrations
 APPROVED

mohammad
 12/5/2018 4:49:57 PM

