

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080818\
 Data File : BM016250.D
 Acq On : 08 Aug 2018 15:14
 Operator : SJ/JU
 Sample : J4313-07
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C-8

Manual Integrations
 APPROVED

Sohil
 8/9/2018 2:23:50 PM

Quant Time: Aug 08 17:13:35 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM072318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 08 16:23:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.13	152	43399	20.00	ng	0.00
21) Naphthalene-d8	10.95	136	156392	20.00	ng	0.00
38) Acenaphthene-d10	14.77	164	75902	20.00	ng	0.00
63) Phenanthrene-d10	17.50	188	155070	20.00	ng	0.00
75) Chrysene-d12	21.63	240	168074	20.00	ng	0.00
86) Perylene-d12	23.97	264	182930	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	286926	109.82	ng	0.00
7) Phenol-d6	7.30	99	339864	99.61	ng	0.00
23) Nitrobenzene-d5	9.32	82	252894	75.21	ng	0.00
41) 2,4,6-Tribromophenol	16.26	330	98668	102.49	ng	0.00
44) 2-Fluorobiphenyl	13.39	172	468778	75.15	ng	0.00
78) Terphenyl-d14	20.09	244	638629	79.54	ng	0.00
Target Compounds						
49) Dimethylphthalate	14.22	163	35290	5.313	ng	98
70) Phenanthrene	17.54	178	160295	18.463	ng	98
71) Anthracene	17.64	178	34886	4.135	ng	# 94
74) Fluoranthene	19.54	202	280653	28.980	ng	98
77) Pyrene	19.90	202	251464	24.966	ng	99
80) Benzo(a)anthracene	21.62	228	159440	15.402	ng	98
82) Chrysene	21.67	228	135989	13.695	ng	95
85) Indeno(1,2,3-cd)pyrene	26.36	276	98124	8.327	ng	# 95
87) Benzo(b)fluoranthene	23.27	252	197178	18.307	ng	# 95
88) Benzo(k)fluoranthene	23.31	252	66556m	6.097	ng	
89) Benzo(a)pyrene	23.87	252	139083	13.433	ng	97
90) Dibenzo(a,h)anthracene	26.34	278	32006	2.984	ng	# 85
91) Benzo(a,h,i)perylene	27.10	276	96459	9.507	ng	# 91

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

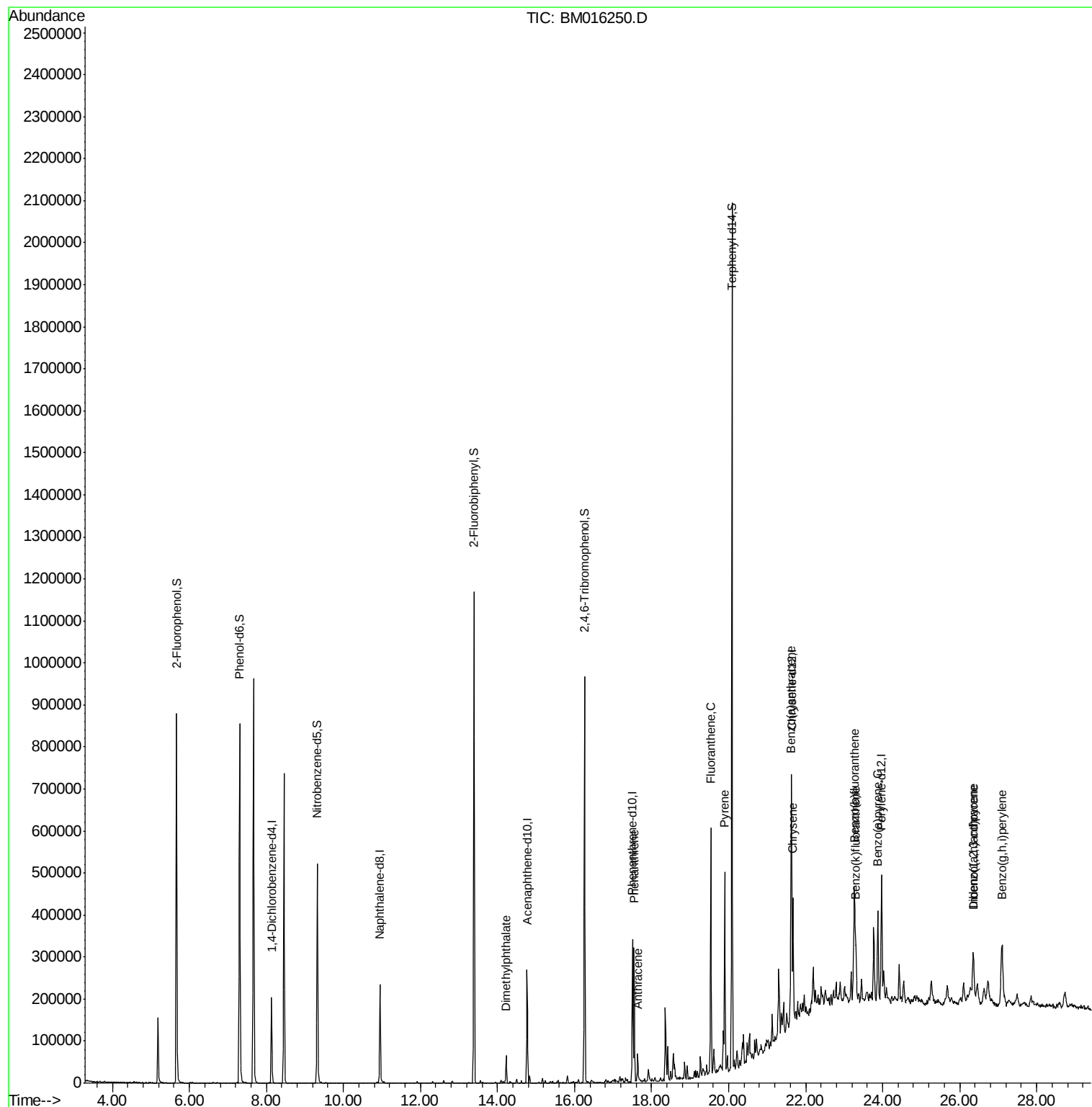
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080818\
Data File : BM016250.D
Acq On : 08 Aug 2018 15:14
Operator : SJ/JU
Sample : J4313-07
Misc :
ALS Vial : 8 Sample Multiplier: 1

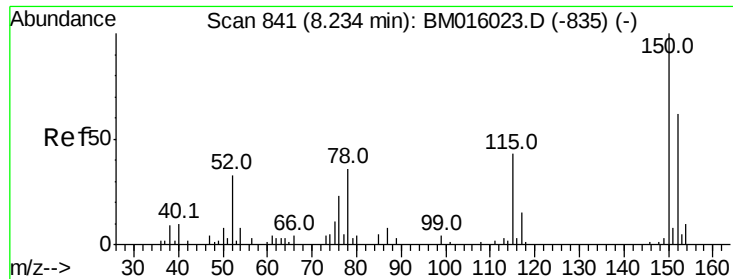
Instrument :
BNA_M
ClientSampleId :
C-8

Manual Integrations
APPROVED

Sohil
8/9/2018 2:23:50 PM

Quant Time: Aug 08 17:13:35 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM072318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 08 16:23:37 2018
Response via : Initial Calibration





#1

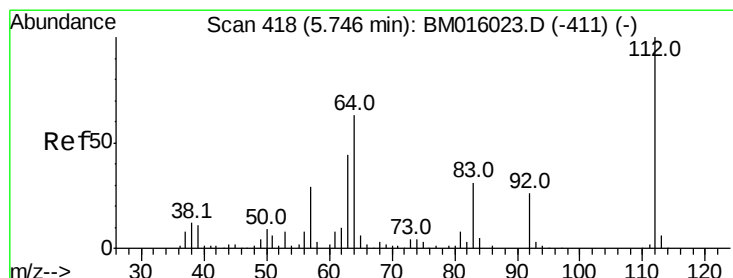
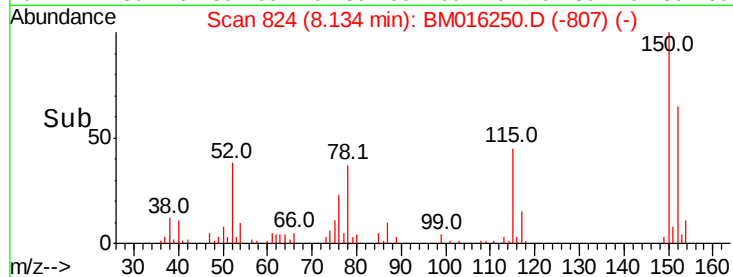
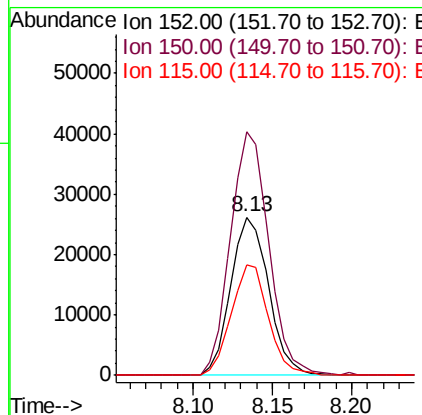
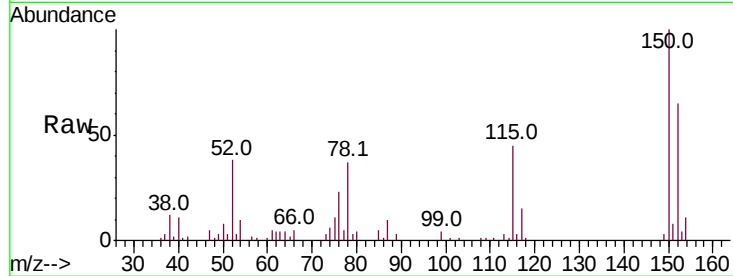
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.13 min Scan# 824
Delta R.T. 0.00 min
Lab File: BM016250.D
Acq: 08 Aug 2018 15:14

Instrument :
BNA_M
ClientSampled :
C-8

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.2	119.5	179.3
115	69.8	43.0	64.4

Manual Integrations
APPROVED

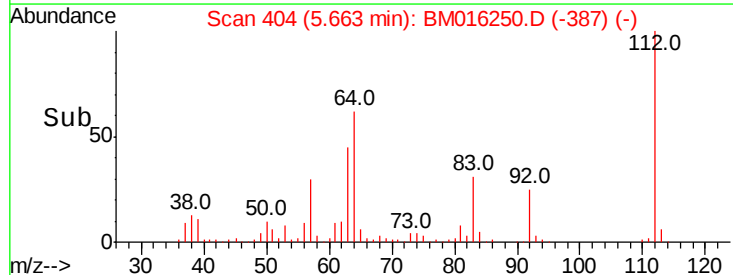
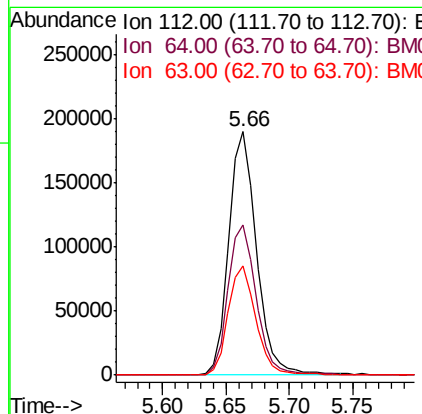
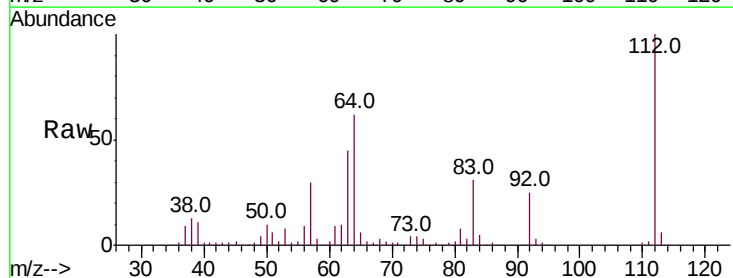
Sohil
8/9/2018 2:23:50 PM

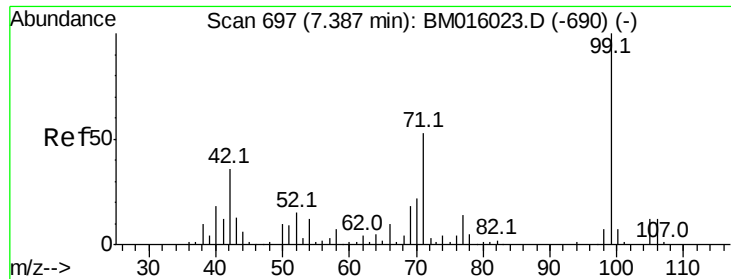


#5

2-Fluorophenol
Concen: N.D. ng
RT: 5.66 min Scan# 404
Delta R.T. 0.00 min
Lab File: BM016250.D
Acq: 08 Aug 2018 15:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.8	38.6	57.8
63	44.7	19.3	28.9





#7

Phenol-d6

Concen: N.D. ng

RT: 7.30 min Scan# 683

Delta R.T. 0.00 min

Lab File: BM016250.D

Acq: 08 Aug 2018 15:14

Instrument :

BNA_M

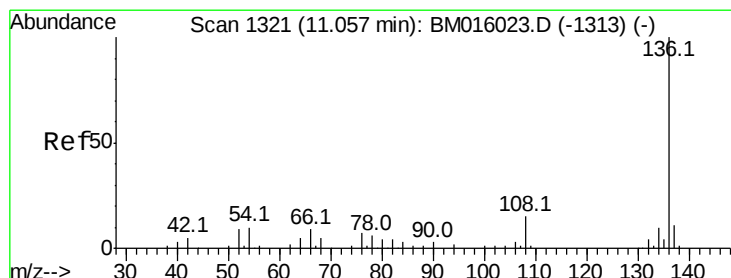
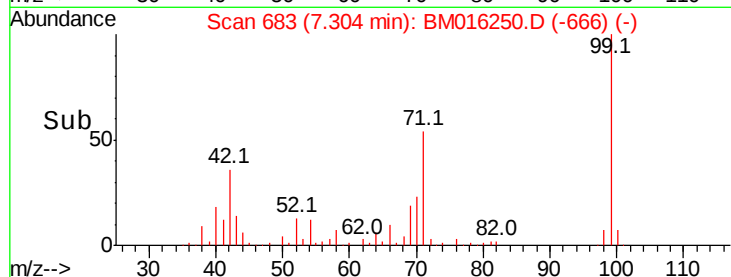
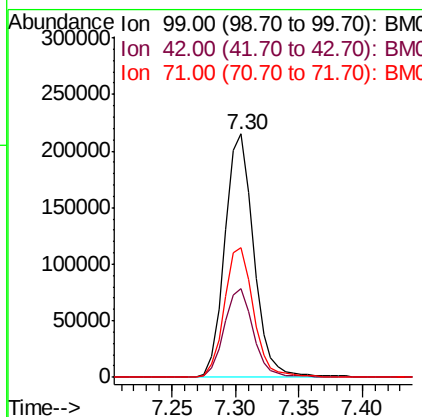
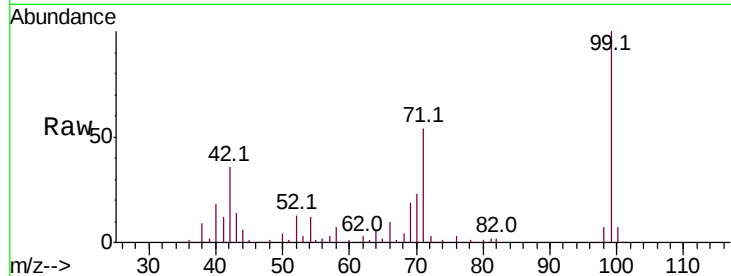
ClientSampled :

C-8

Tot Ion:	99	Resp:	339864
Ion Ratio	Lower	Upper	
99	100		
42	36.5	11.0	16.4#
71	53.5	23.4	35.2#

Manual Integrations
APPROVED

Sohil
8/9/2018 2:23:50 PM



#21

Naphthalene-d8

Concen: 20.000 ng

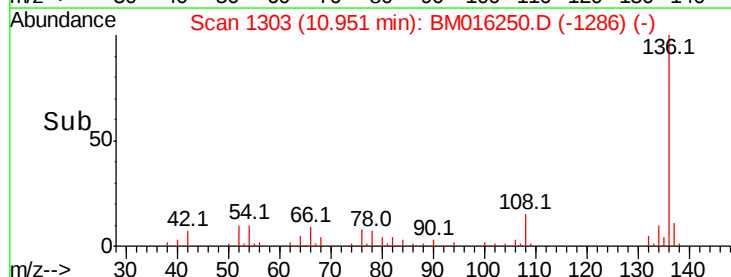
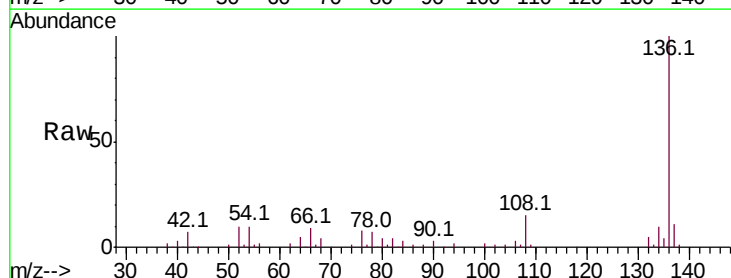
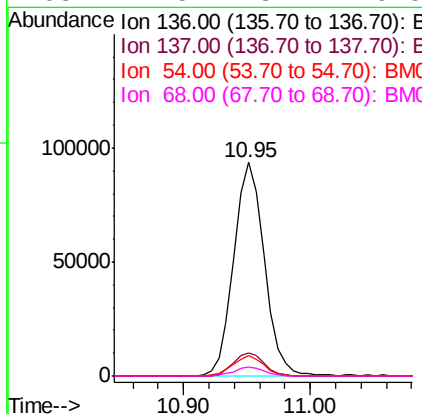
RT: 10.95 min Scan# 1303

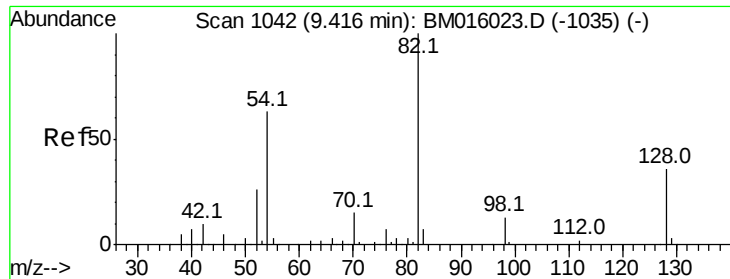
Delta R.T. 0.00 min

Lab File: BM016250.D

Acq: 08 Aug 2018 15:14

Tgt Ion:	136	Resp:	156392
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.7	13.1
54	9.8	4.6	6.8#
68	4.5	3.7	5.5





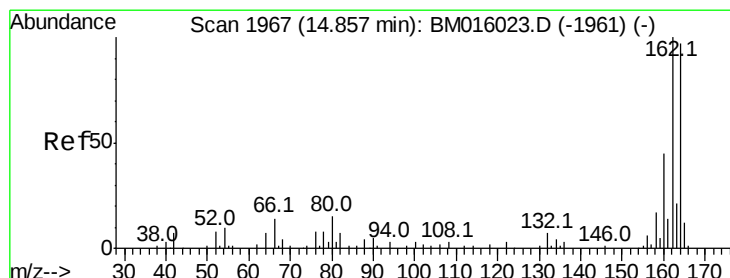
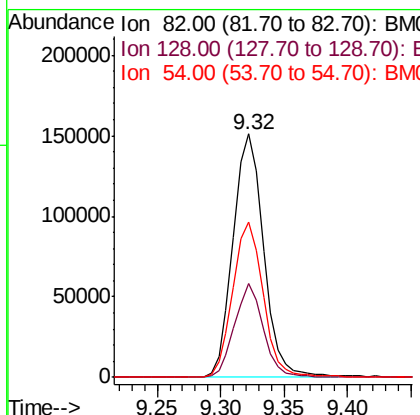
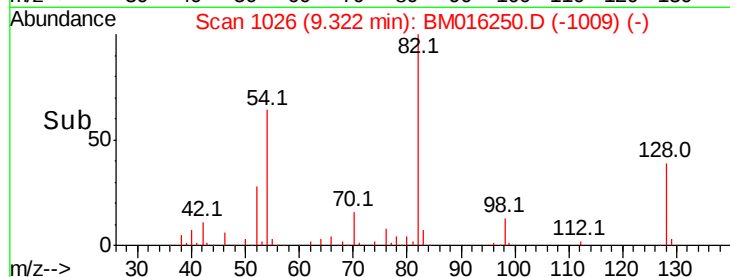
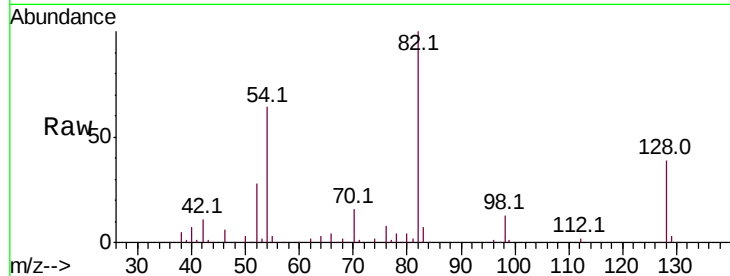
#23
Nitrobenzene-d5
Concen: N.D. ng
RT: 9.32 min Scan# 1026
Delta R.T. 0.00 min
Lab File: BM016250.D
Acq: 08 Aug 2018 15:14

Instrument :
BNA_M
ClientSampleId :
C-8

Tot Ion	Ratio	Resp	Lower	Upper
82	100	252894		
128	38.6		32.8	49.2
54	63.8		40.6	60.8#

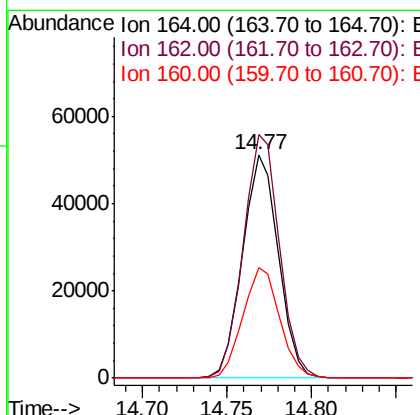
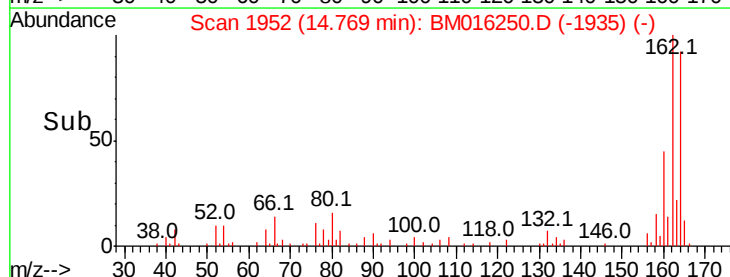
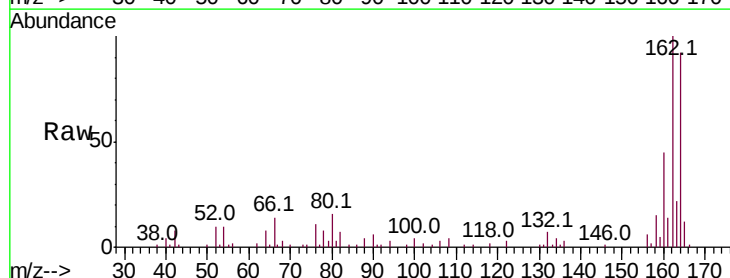
Manual Integrations
APPROVED

Sohil
8/9/2018 2:23:50 PM



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.77 min Scan# 1952
Delta R.T. 0.00 min
Lab File: BM016250.D
Acq: 08 Aug 2018 15:14

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	75902		
162	109.0		82.4	123.6
160	49.3		35.8	53.6





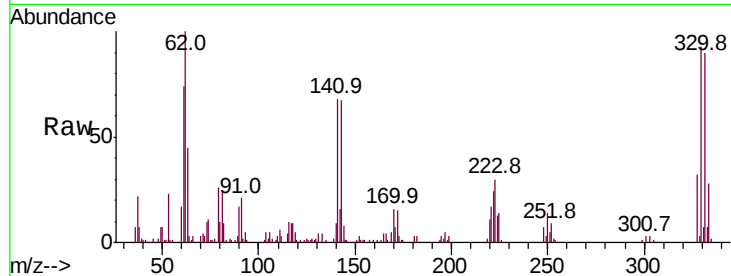
#41
 2,4,6-Tribromophenol
 Concen: N.D. ng
 RT: 16.26 min Scan# 2205
 Delta R.T. -0.01 min
 Lab File: BM016250.D
 Acq: 08 Aug 2018 15:14

Instrument :
 BNA_M
 ClientSampled :
 C-8

Tot Ion	Ratio	Resp Lower	Upper
330	100		
332	96.5	0.0	0.0#
141	73.1	0.0	0.0#

Manual Integrations
 APPROVED

Sohil
 8/9/2018 2:23:50 PM

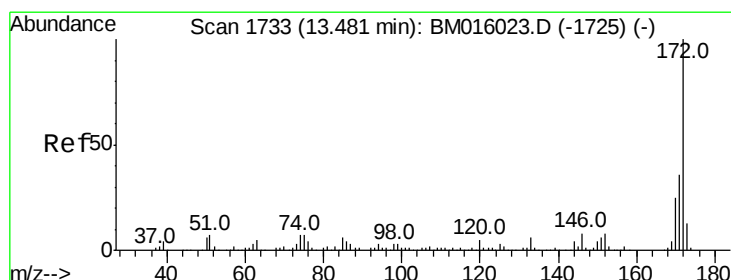
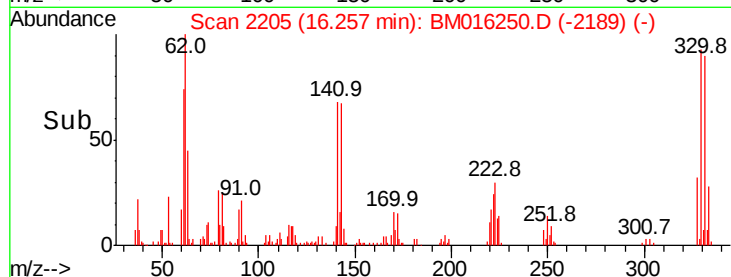
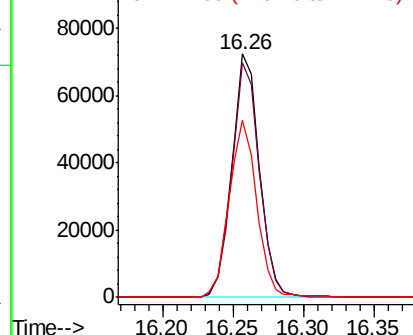


Abundance

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: N.D. ng
 RT: 13.39 min Scan# 1718
 Delta R.T. 0.00 min
 Lab File: BM016250.D
 Acq: 08 Aug 2018 15:14

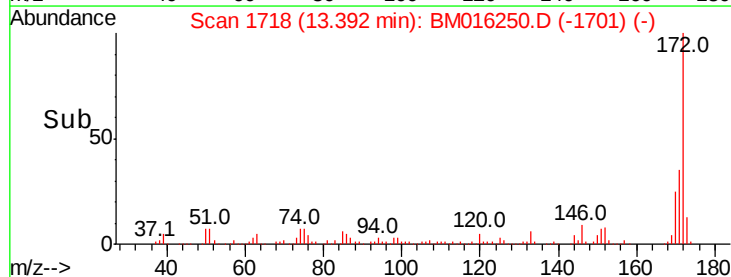
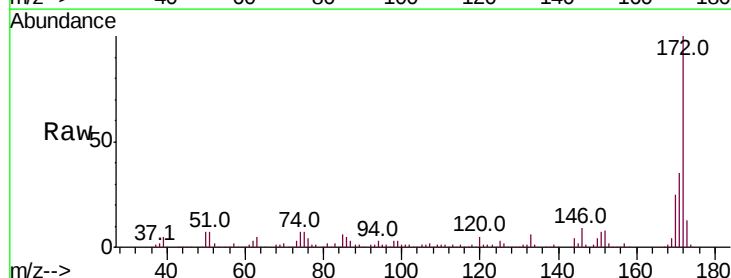
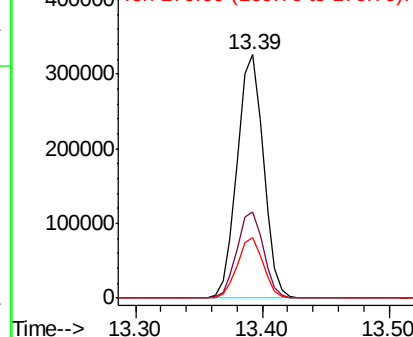
Tgt Ion	Ratio	Resp Lower	Upper
172	100		
171	35.4	28.5	42.7
170	24.8	18.8	28.2

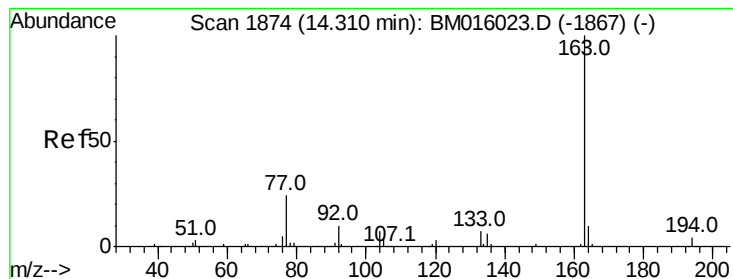
Abundance

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: 5.313 ng

RT: 14.22 min Scan# 1859

Delta R.T. -0.01 min

Lab File: BM016250.D

Acq: 08 Aug 2018 15:14

Instrument :

BNA_M

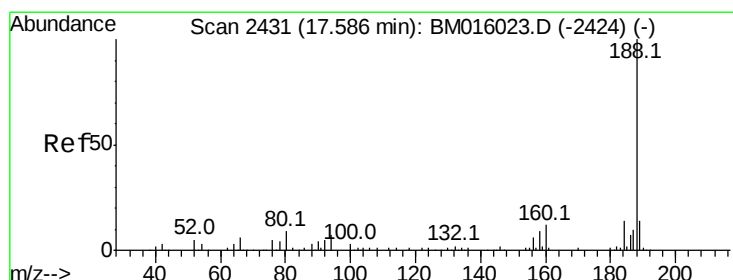
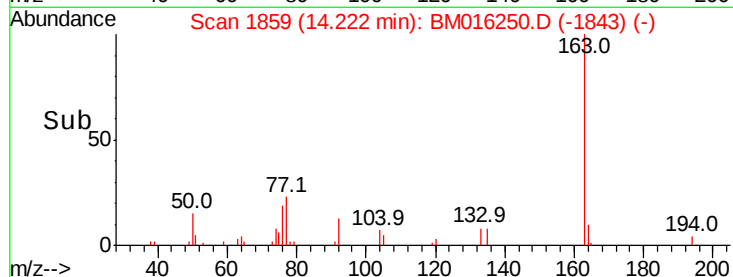
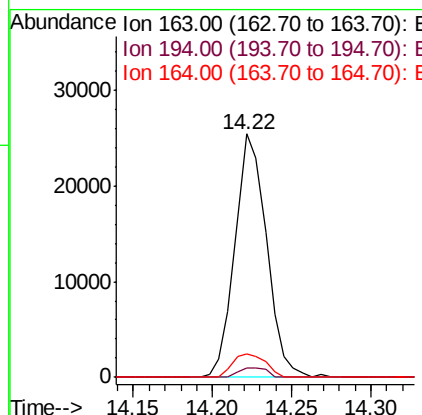
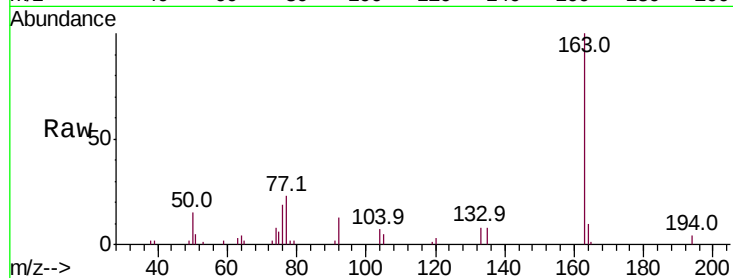
ClientSampled :

C-8

Tot Ion:	163	Resp:	35290
Ion Ratio	Lower	Upper	
163	100		
194	3.8	2.7	4.1
164	9.5	8.2	12.2

Manual Integrations
APPROVED

Sohil
8/9/2018 2:23:50 PM



#63

Phenanthrene-d10

Concen: 20.000 ng

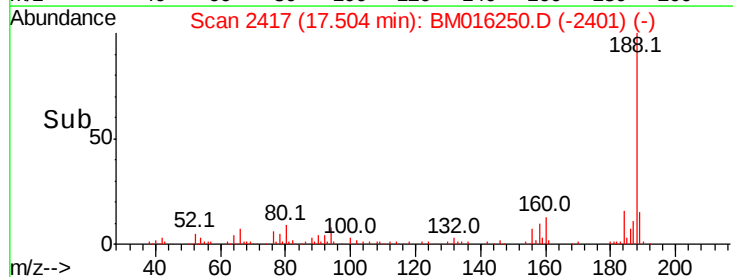
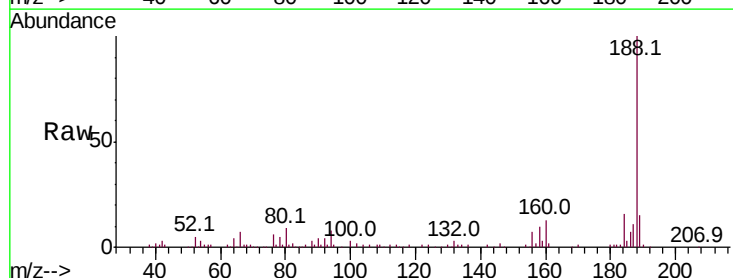
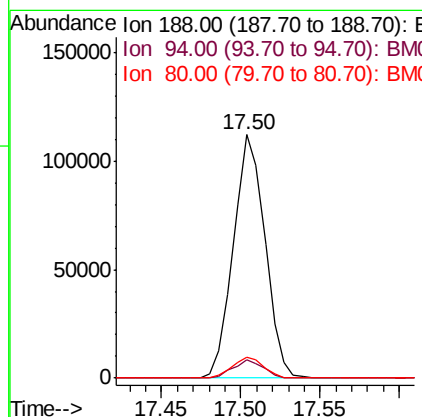
RT: 17.50 min Scan# 2417

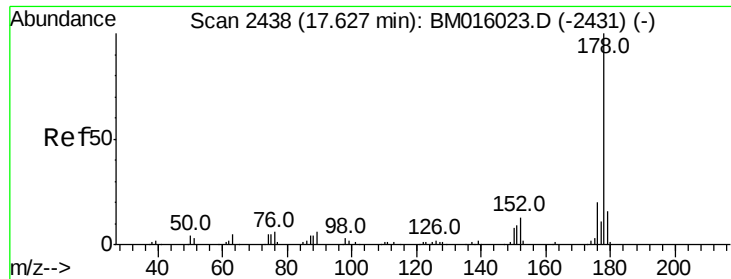
Delta R.T. -0.01 min

Lab File: BM016250.D

Acq: 08 Aug 2018 15:14

Tgt Ion:	188	Resp:	155070
Ion Ratio	Lower	Upper	
188	100		
94	7.7	8.7	13.1#
80	8.7	9.3	13.9#





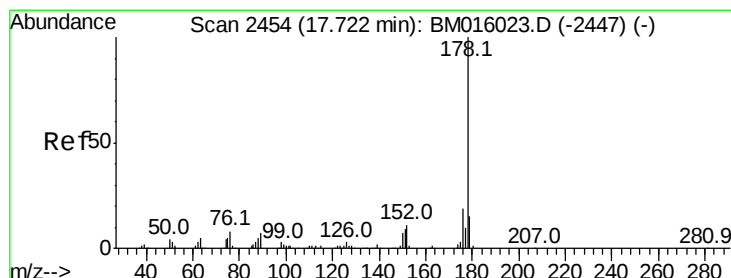
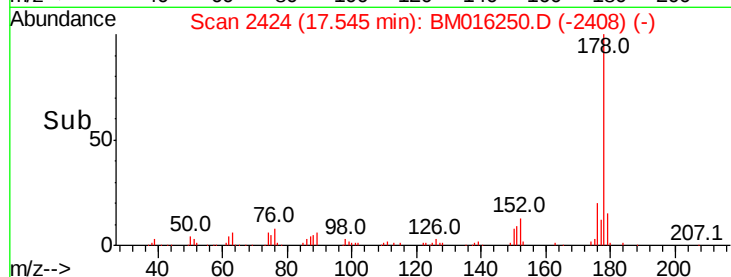
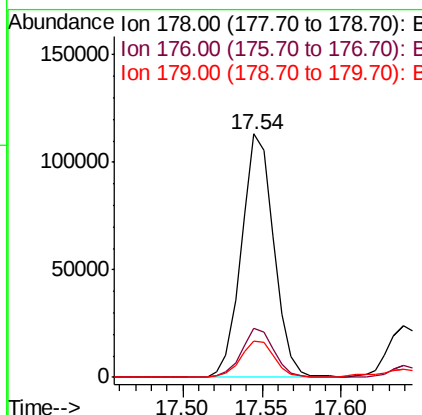
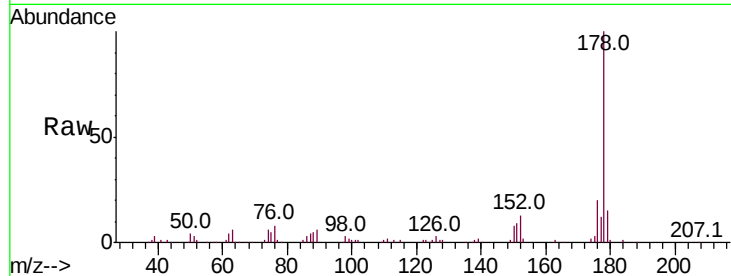
#70
 Phenanthrene
 Concen: 18.463 ng
 RT: 17.54 min Scan# 2424
 Delta R.T. -0.01 min
 Lab File: BM016250.D
 Acq: 08 Aug 2018 15:14

Instrument :
 BNA_M
 ClientSampleId :
 C-8

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.2	22.8
179	15.0	12.1	18.1

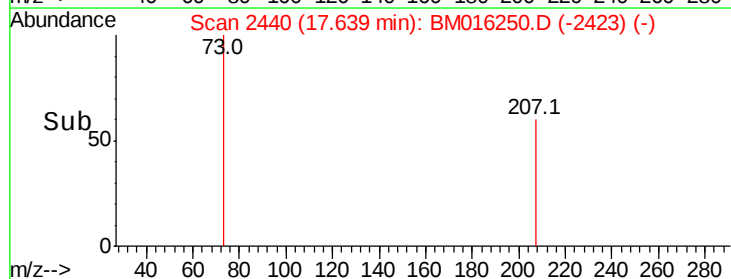
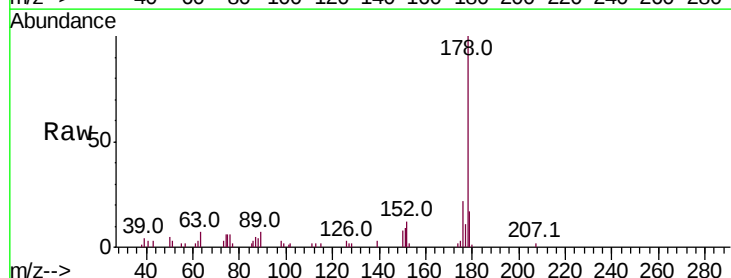
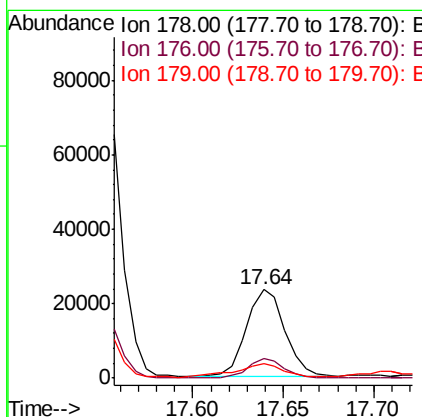
Manual Integrations
 APPROVED

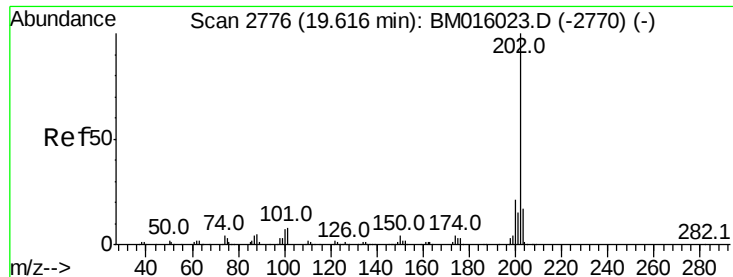
Sohil
 8/9/2018 2:23:50 PM



#71
 Anthracene
 Concen: 4.135 ng
 RT: 17.64 min Scan# 2440
 Delta R.T. 0.00 min
 Lab File: BM016250.D
 Acq: 08 Aug 2018 15:14

Tgt Ion	Ratio	Lower	Upper
178	100		
176	22.4	14.6	22.0#
179	16.9	12.6	19.0





#74

Fluoranthene

Concen: 28.980 ng

RT: 19.54 min Scan# 2763

Delta R.T. 0.00 min

Lab File: BM016250.D

Acq: 08 Aug 2018 15:14

Instrument :

BNA_M

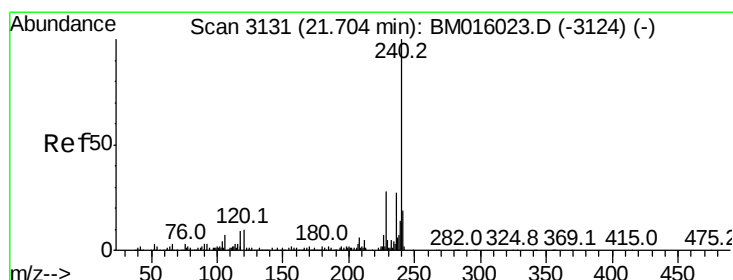
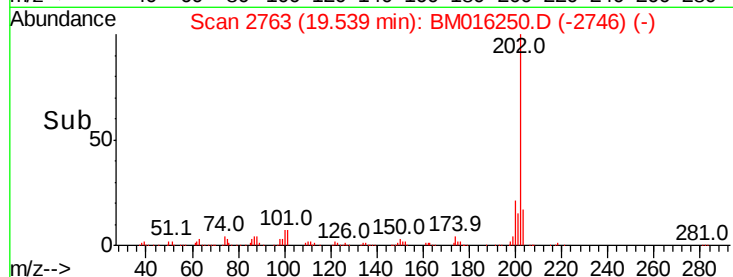
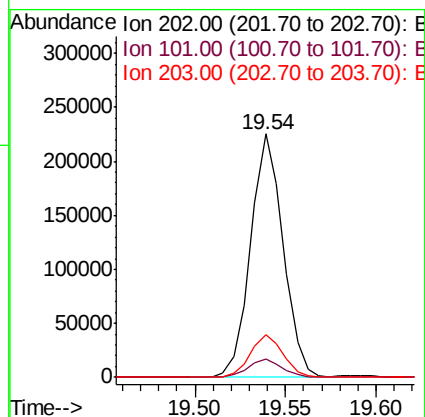
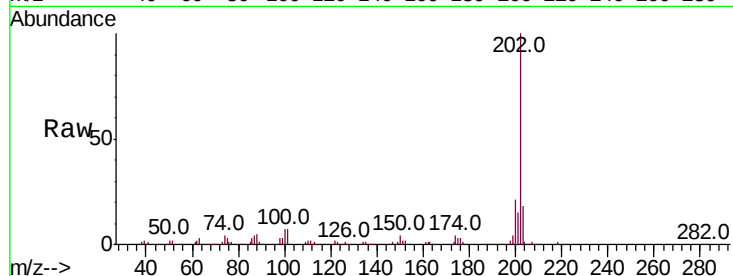
ClientSampleId :

C-8

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	7.3	0.0	28.7
203	17.7	0.0	37.2

Manual Integrations
APPROVED

Sohil
8/9/2018 2:23:50 PM



#75

Chrysene-d12

Concen: 20.000 ng

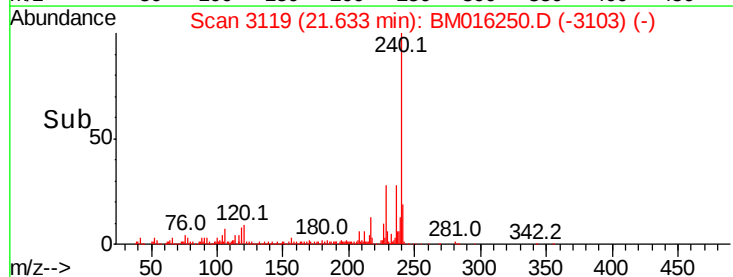
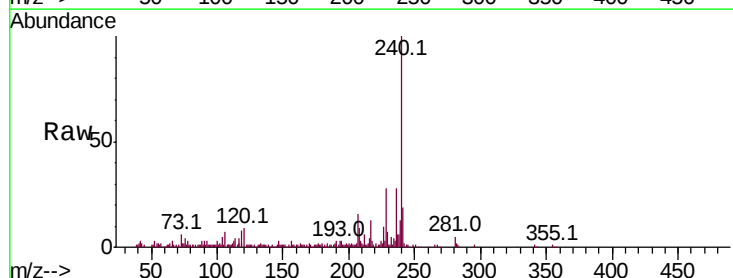
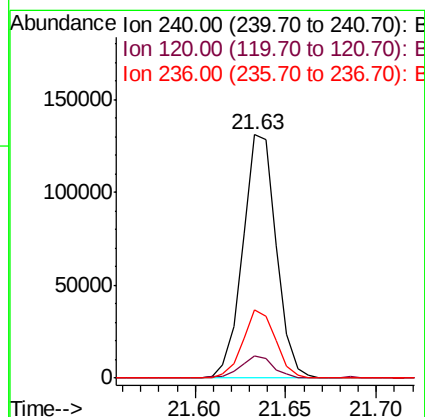
RT: 21.63 min Scan# 3119

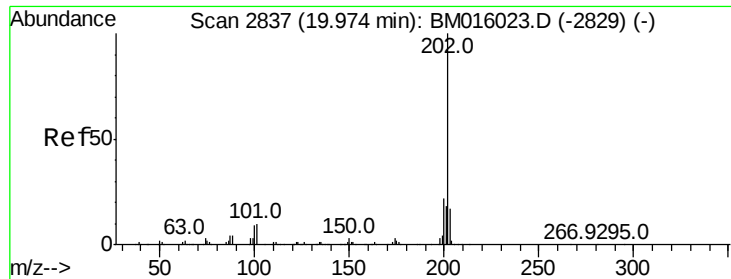
Delta R.T. -0.01 min

Lab File: BM016250.D

Acq: 08 Aug 2018 15:14

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	8.8	8.2	12.2
236	28.2	20.0	30.0





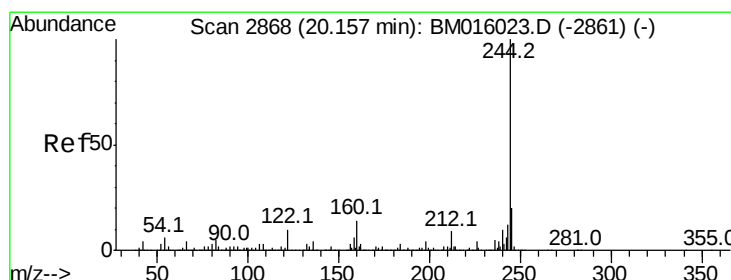
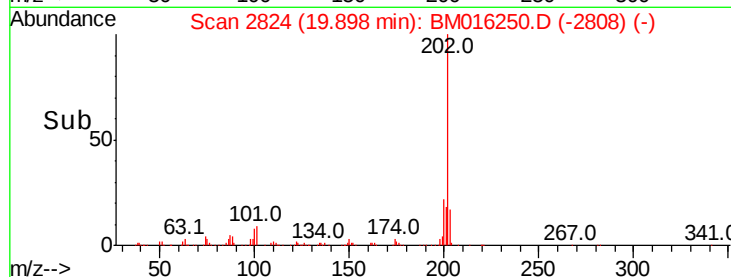
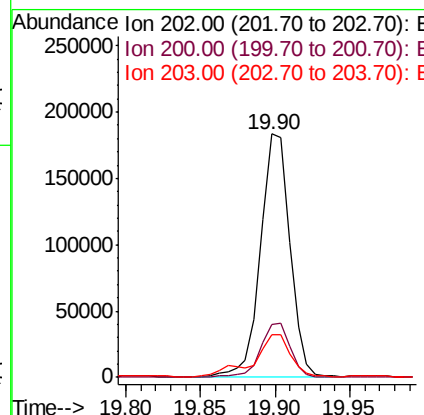
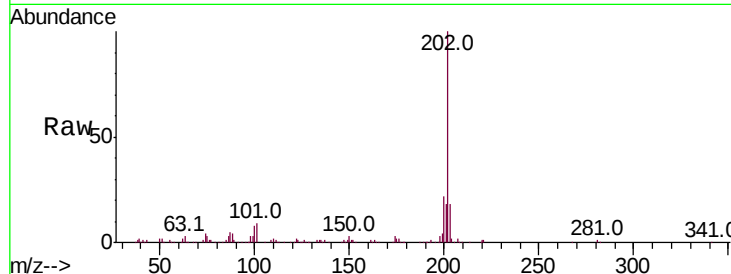
#77
Pvrene
Concen: 24.966 ng
RT: 19.90 min Scan# 2824
Delta R.T. -0.01 min
Lab File: BM016250.D
Acq: 08 Aug 2018 15:14

Instrument :
BNA_M
ClientSampled :
C-8

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.6	16.9	25.3
203	17.6	14.1	21.1

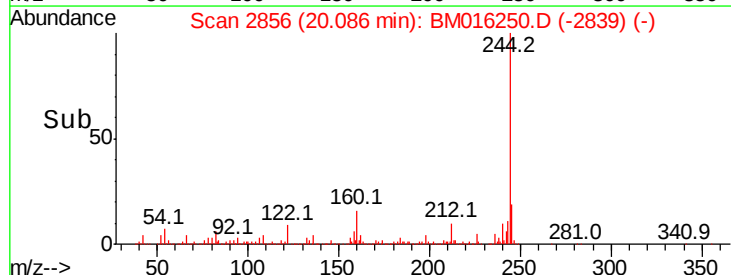
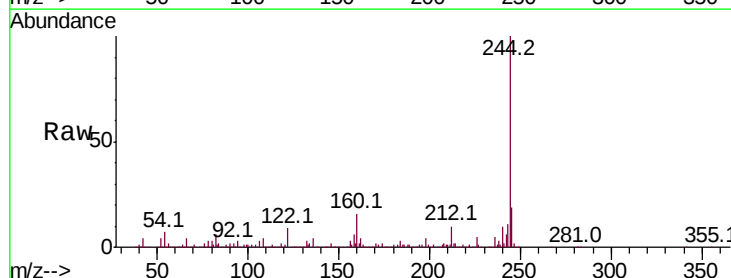
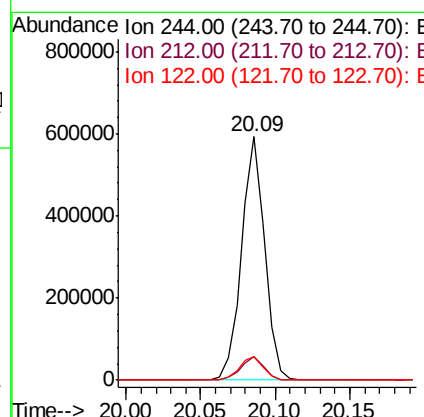
Manual Integrations
APPROVED

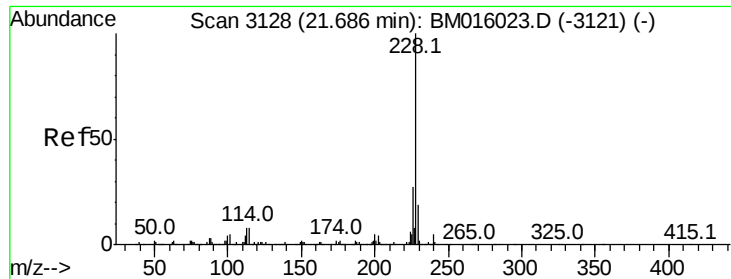
Sohil
8/9/2018 2:23:50 PM



#78
Terphenyl-d14
Concen: 24.966 ng
RT: 20.09 min Scan# 2856
Delta R.T. 0.00 min
Lab File: BM016250.D
Acq: 08 Aug 2018 15:14

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	9.7	4.9	7.3#
122	9.4	6.2	9.4#





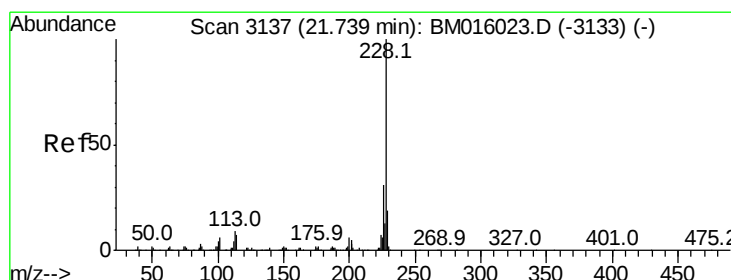
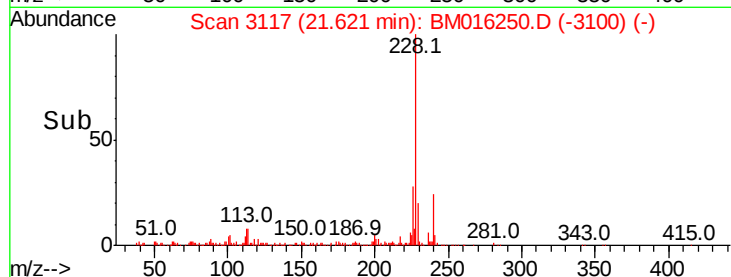
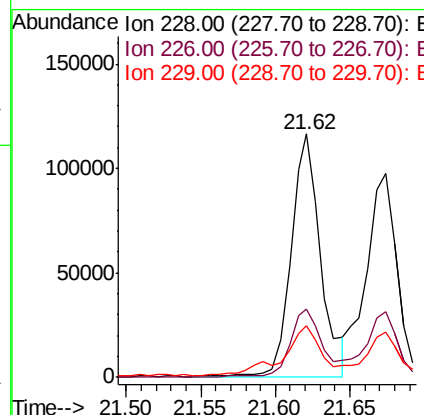
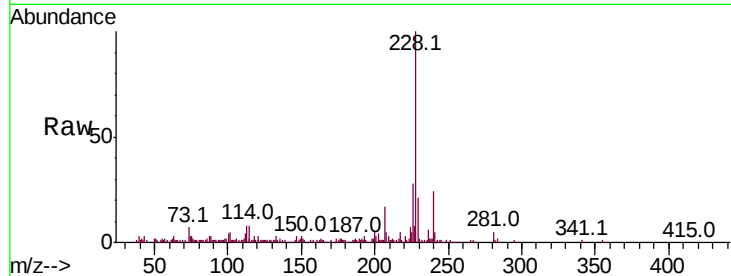
#80
Benzo(a)anthracene
Concen: 15.402 ng
RT: 21.62 min Scan# 3117
Delta R.T. 0.00 min
Lab File: BM016250.D
Acq: 08 Aug 2018 15:14

Instrument :
BNA_M
ClientSampled :
C-8

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.0	21.7	32.5
229	21.3	16.0	24.0

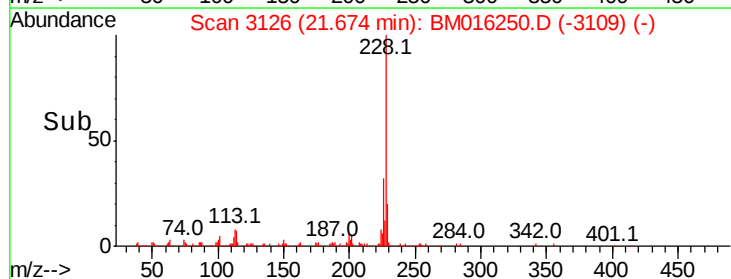
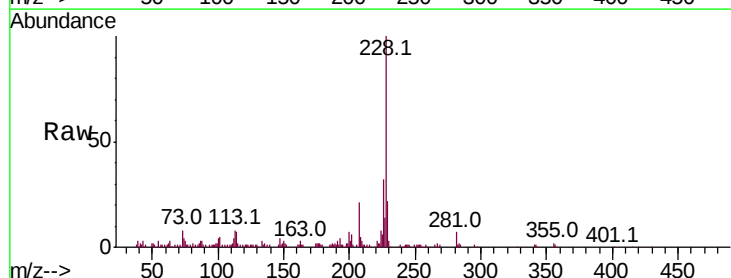
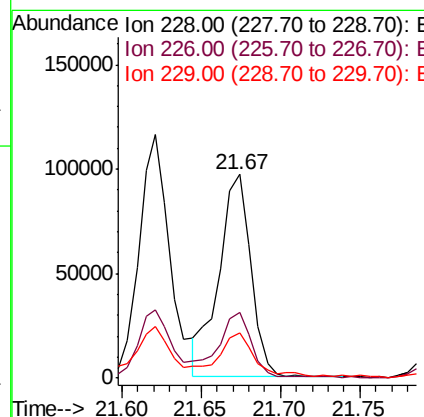
Manual Integrations
APPROVED

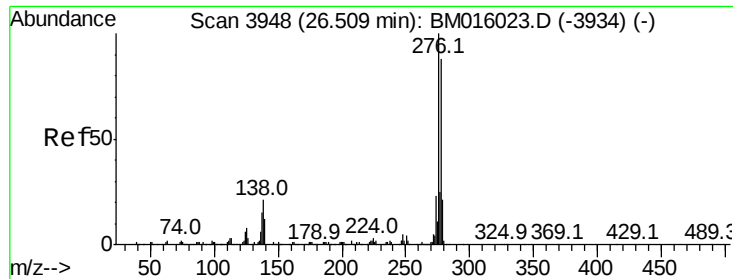
Sohil
8/9/2018 2:23:50 PM



#82
Chrysene
Concen: 13.695 ng
RT: 21.67 min Scan# 3126
Delta R.T. 0.00 min
Lab File: BM016250.D
Acq: 08 Aug 2018 15:14

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.3	24.1	36.1
229	22.1	15.5	23.3





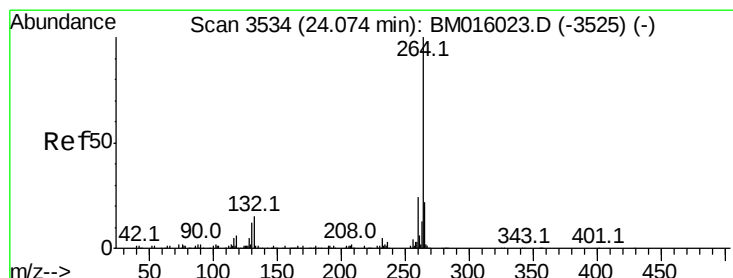
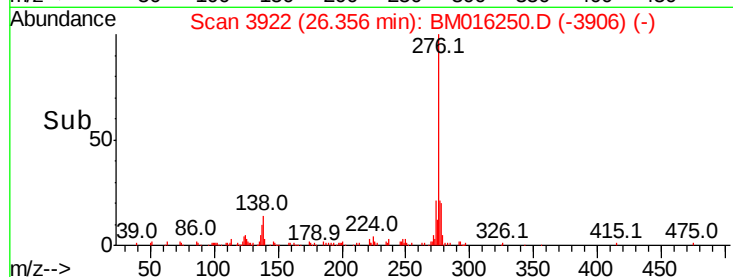
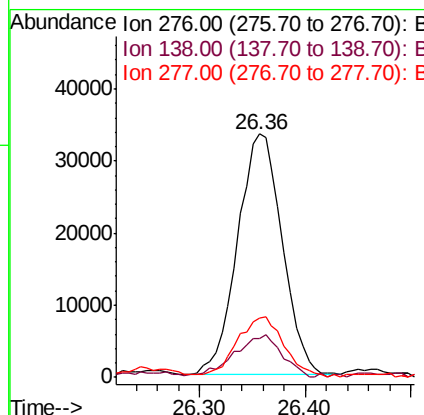
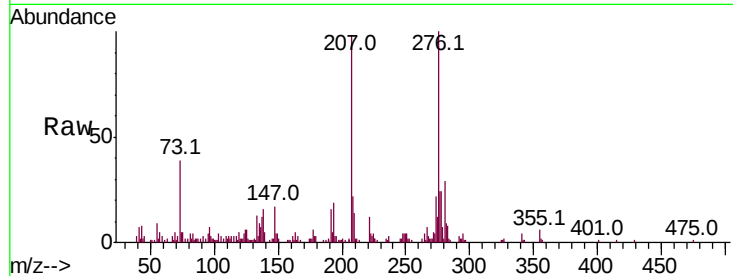
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 8.327 ng
 RT: 26.36 min Scan# 3922
 Delta R.T. -0.01 min
 Lab File: BM016250.D
 Acq: 08 Aug 2018 15:14

Instrument :
 BNA_M
 ClientSampleId :
 C-8

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.5	12.0	18.0#
277	26.6	20.0	30.0

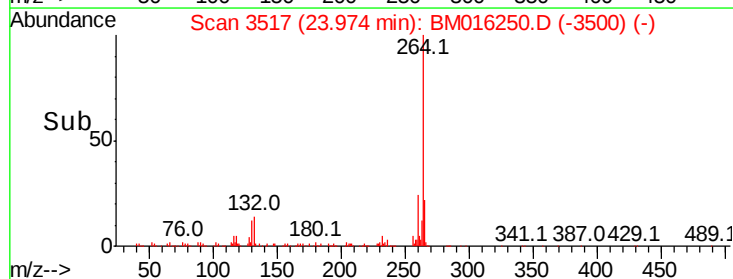
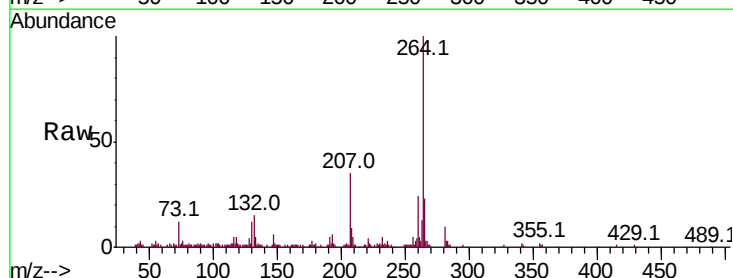
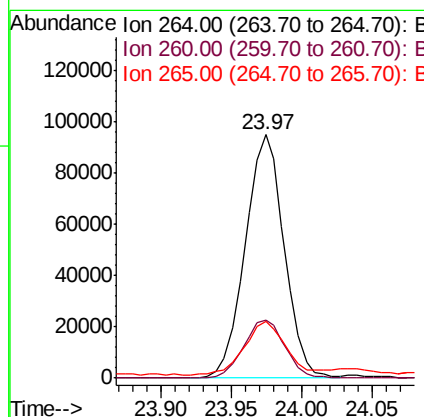
Manual Integrations
 APPROVED

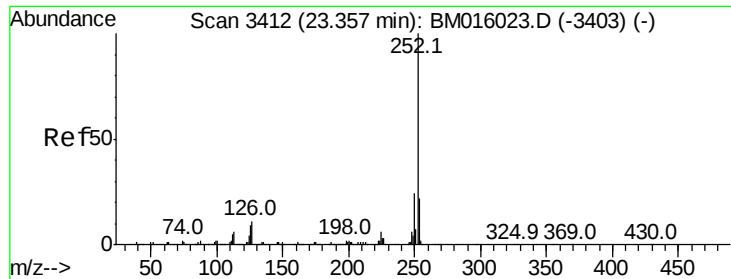
Sohil
 8/9/2018 2:23:50 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.97 min Scan# 3517
 Delta R.T. 0.00 min
 Lab File: BM016250.D
 Acq: 08 Aug 2018 15:14

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.6	27.8
265	23.4	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 18.307 ng

RT: 23.27 min Scan# 3397

Delta R.T. 0.00 min

Lab File: BM016250.D

Acq: 08 Aug 2018 15:14

Instrument :

BNA_M

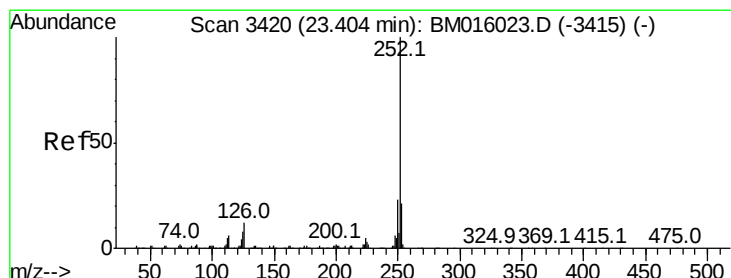
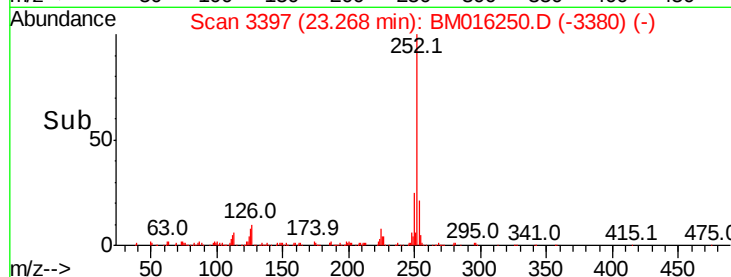
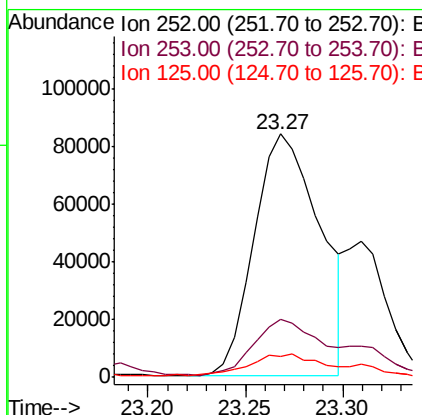
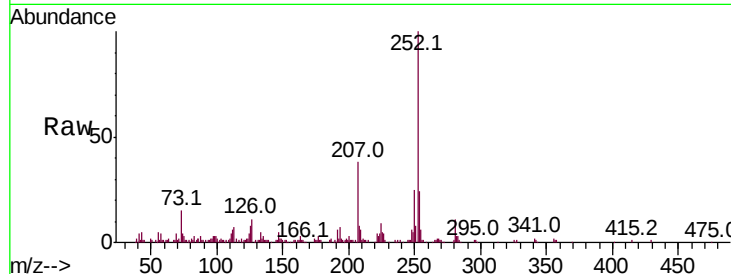
ClientSampled :

C-8

Tot Ion:	252	Resp:	197178
Ion Ratio	Lower	Upper	
252	100		
253	23.8	18.0	27.0
125	8.5	9.9	14.9

Manual Integrations
APPROVED

Sohil
8/9/2018 2:23:50 PM



#88

Benzo(k)fluoranthene

Concen: 6.097 ng m

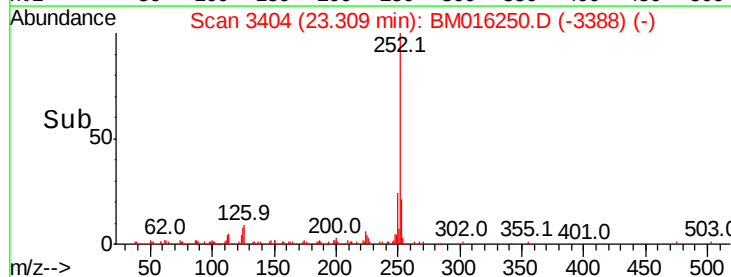
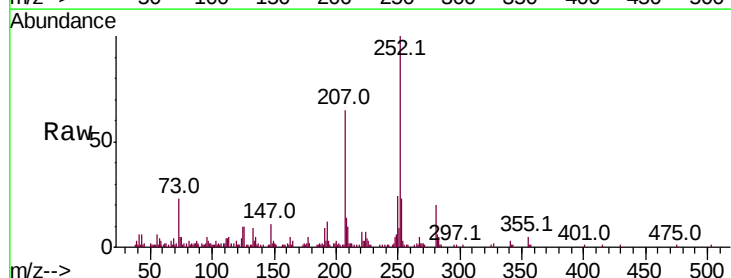
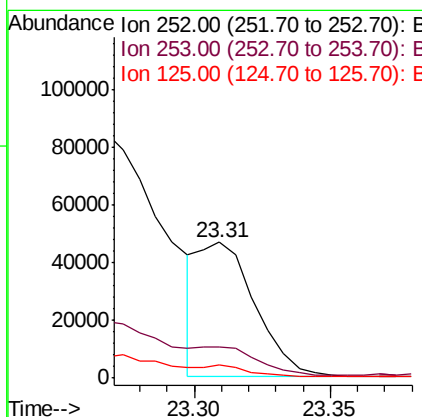
RT: 23.31 min Scan# 3404

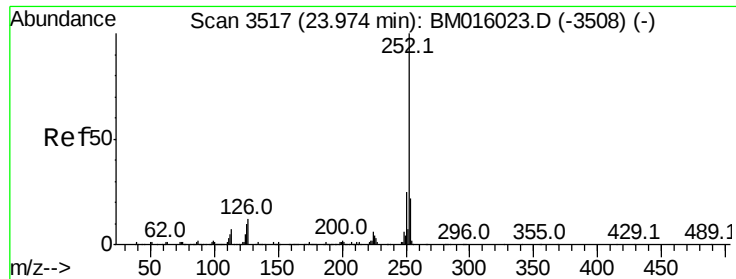
Delta R.T. -0.01 min

Lab File: BM016250.D

Acq: 08 Aug 2018 15:14

Tgt Ion:	252	Resp:	66556
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.2	25.8
125	9.8	8.1	12.1





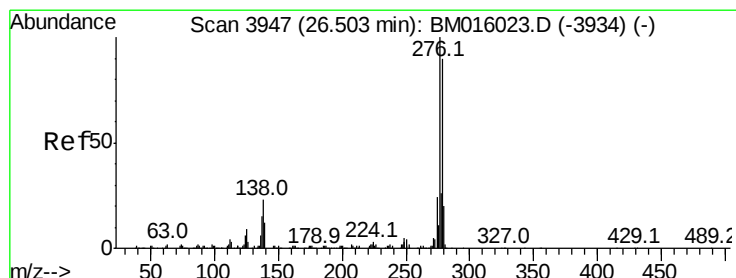
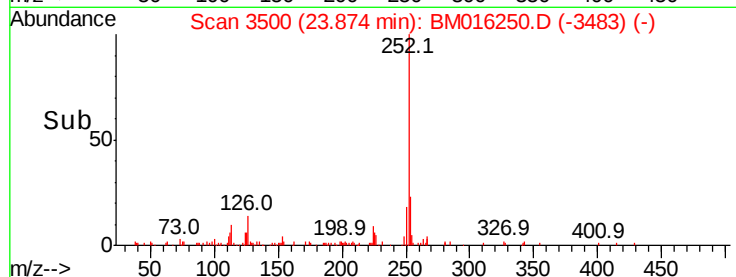
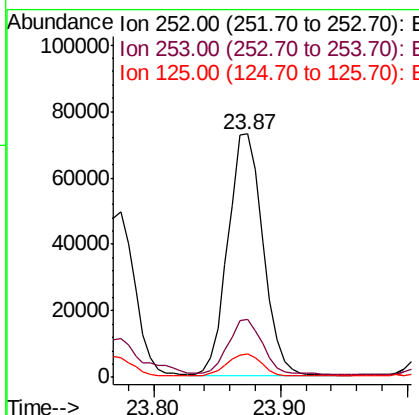
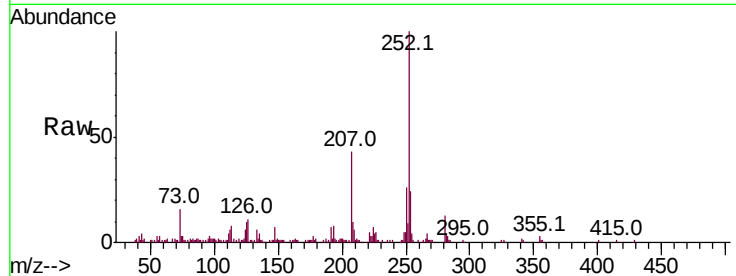
#89
Benzo(a)pyrene
Concen: 13.433 ng
RT: 23.87 min Scan# 3500
Delta R.T. 0.00 min
Lab File: BM016250.D
Acq: 08 Aug 2018 15:14

Instrument :
BNA_M
ClientSampled :
C-8

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.6	26.4
125	9.9	7.4	11.2

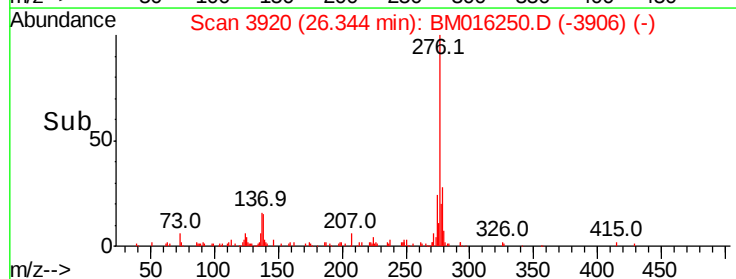
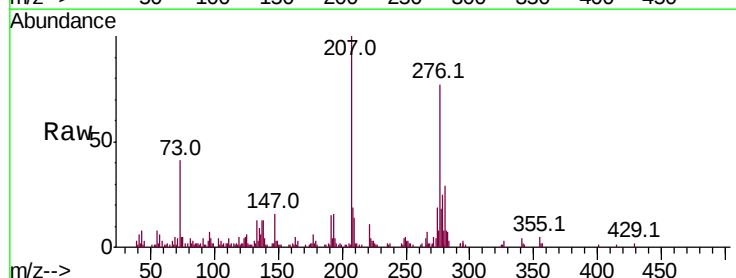
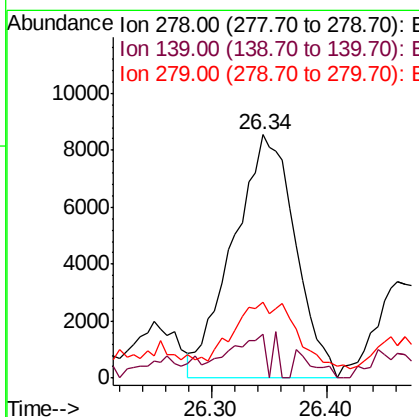
Manual Integrations
APPROVED

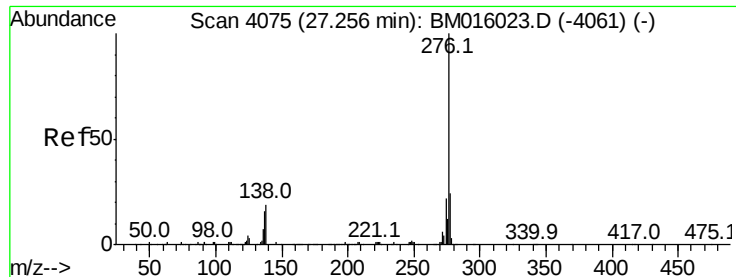
Sohil
8/9/2018 2:23:50 PM



#90
Dibenzo(a,h)anthracene
Concen: 2.984 ng
RT: 26.34 min Scan# 3920
Delta R.T. -0.02 min
Lab File: BM016250.D
Acq: 08 Aug 2018 15:14

Tgt Ion	Ratio	Lower	Upper
278	100		
139	22.9	13.4	20.0#
279	31.0	19.0	28.4#





#91
 Benzo(a,h,i)perylene
 Concen: 9.507 ng
 RT: 27.10 min Scan# 4048
 Delta R.T. 0.00 min
 Lab File: BM016250.D
 Acq: 08 Aug 2018 15:14

Instrument :
 BNA_M
 ClientSampleId :
 C-8

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.2	18.5	27.7
138	17.4	19.0	28.6

Manual Integrations
 APPROVED

Sohil
 8/9/2018 2:23:50 PM

