

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080818\
 Data File : BM016256.D
 Acq On : 08 Aug 2018 18:55
 Operator : SJ/JU
 Sample : J4313-17
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C-13

Manual Integrations
 APPROVED

Sohil
 8/9/2018 2:24:22 PM

Quant Time: Aug 09 04:39:49 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	8.14	152	43599	20.00	ng	0.00
21) Naphthalene-d8	10.95	136	158510	20.00	ng	0.00
38) Acenaphthene-d10	14.77	164	73552	20.00	ng	0.00
63) Phenanthrene-d10	17.50	188	140889	20.00	ng	0.00
75) Chrysene-d12	21.64	240	156884	20.00	ng	0.00
86) Perylene-d12	23.97	264	176526	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	230267	87.73	ng	0.00
7) Phenol-d6	7.30	99	272534	79.51	ng	0.00
23) Nitrobenzene-d5	9.32	82	204767	60.08	ng	0.00
41) 2,4,6-Tribromophenol	16.26	330	68082	72.98	ng	0.00
44) 2-Fluorobiphenyl	13.39	172	348903	57.72	ng	0.00
78) Terphenyl-d14	20.09	244	424702	56.67	ng	0.00
Target Compounds						
49) Dimethylphthalate	14.23	163	26631	4.137	ng	99
70) Phenanthrene	17.55	178	105075	13.321	ng	99
71) Anthracene	17.64	178	26065	3.400	ng	98
74) Fluoranthene	19.54	202	189800	21.571	ng	99
77) Pyrene	19.90	202	169134	17.990	ng	99
80) Benzo(a)anthracene	21.62	228	108124	11.190	ng	97
82) Chrysene	21.67	228	95245	10.276	ng	95
85) Indeno(1,2,3-cd)pyrene	26.36	276	72115	6.556	ng	# 92
87) Benzo(b)fluoranthene	23.27	252	147273	14.170	ng	# 97
88) Benzo(k)fluoranthene	23.31	252	43704m	4.149	ng	
89) Benzo(a)pyrene	23.87	252	101988	10.207	ng	98
90) Dibenzo(a,h)anthracene	26.36	278	24211	2.339	ng	# 79
91) Benzo(a,h,i)perylene	27.10	276	73913	7.549	ng	# 92

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

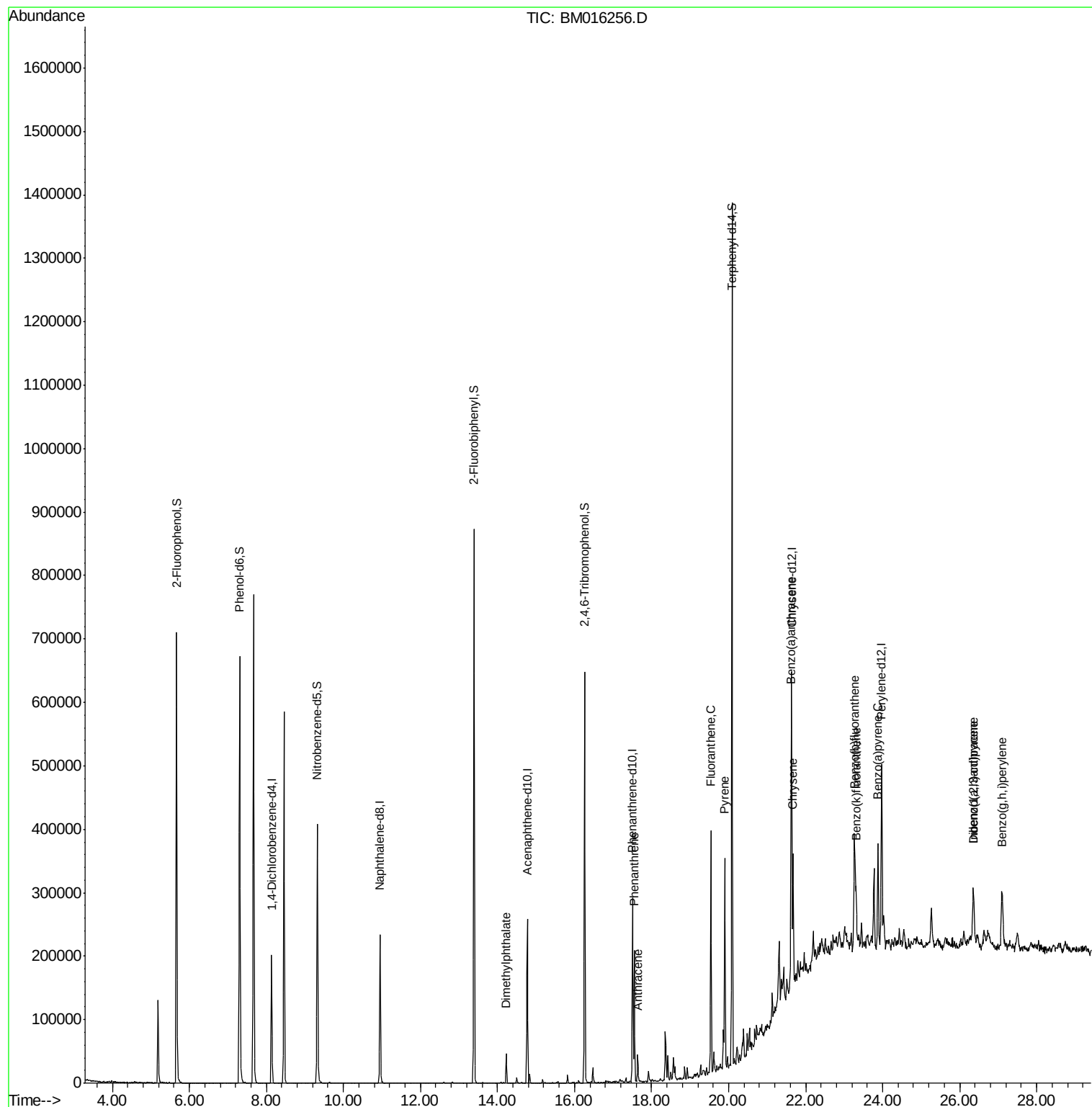
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080818\
Data File : BM016256.D
Acq On : 08 Aug 2018 18:55
Operator : SJ/JU
Sample : J4313-17
Misc :
ALS Vial : 14 Sample Multiplier: 1

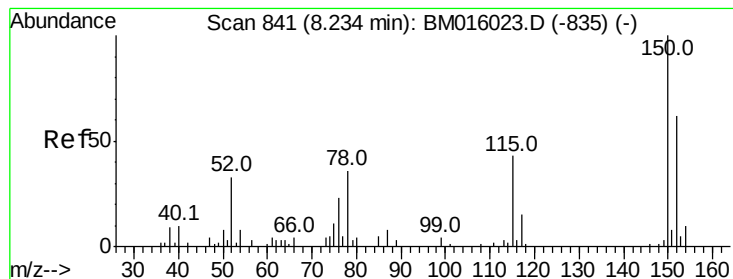
Instrument :
BNA_M
ClientSampled :
C-13

Manual Integrations
APPROVED

Sohil
8/9/2018 2:24:22 PM

Quant Time: Aug 09 04:39:49 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





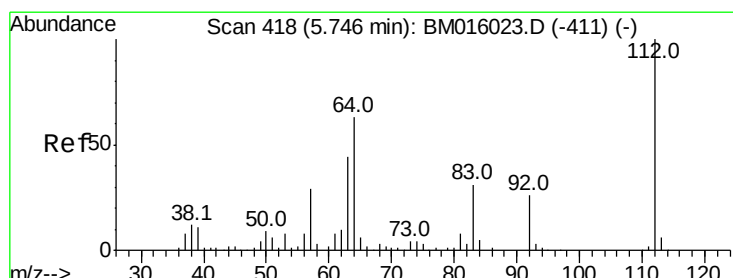
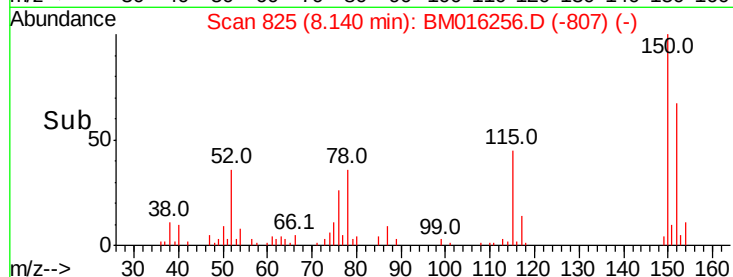
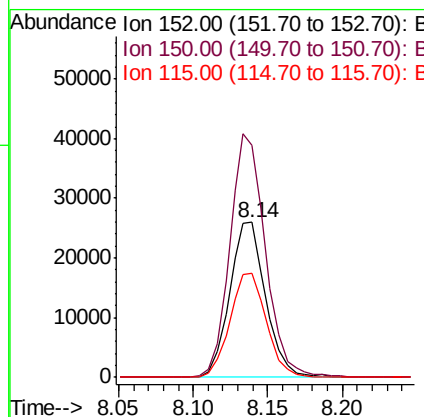
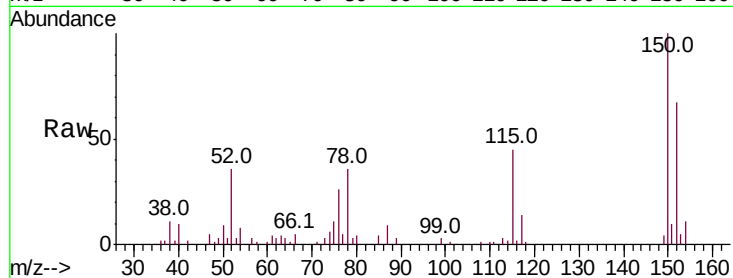
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.14 min Scan# 825
 Delta R.T. 0.01 min
 Lab File: BM016256.D
 Acq: 08 Aug 2018 18:55

Instrument :
 BNA_M
 ClientSampled :
 C-13

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.5	119.5	179.3
115	67.1	43.0	64.4#

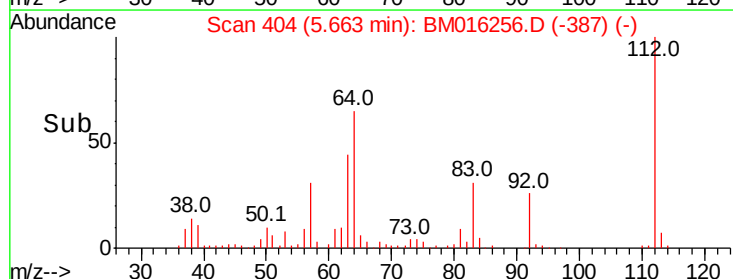
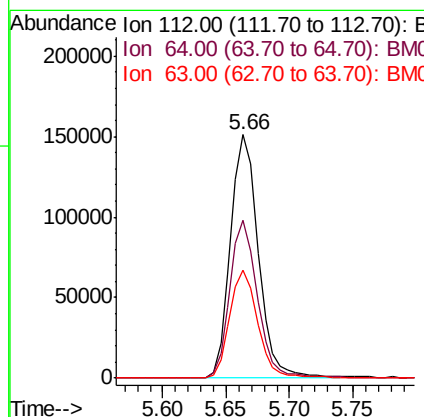
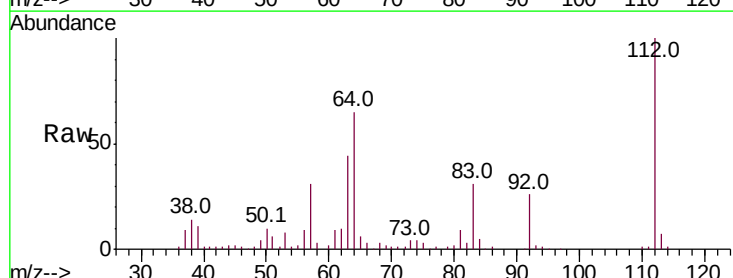
Manual Integrations
 APPROVED

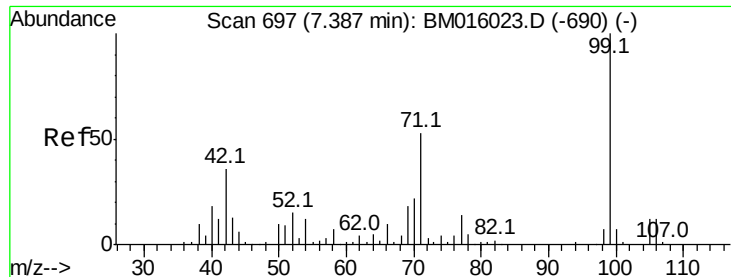
Sohil
 8/9/2018 2:24:22 PM



#5
 2-Fluorophenol
 Concen: Below ng
 RT: 5.66 min Scan# 404
 Delta R.T. 0.00 min
 Lab File: BM016256.D
 Acq: 08 Aug 2018 18:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.7	38.6	57.8#
63	44.4	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: BM016256.D

Acq: 08 Aug 2018 18:55

Instrument :

BNA_M

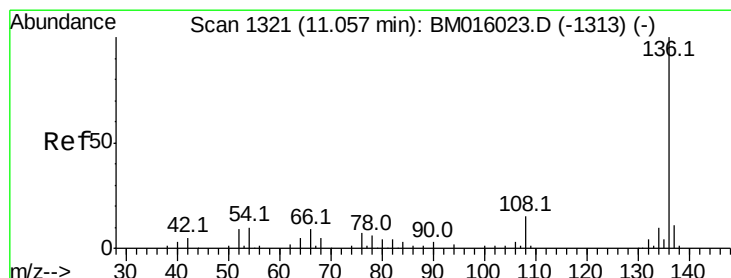
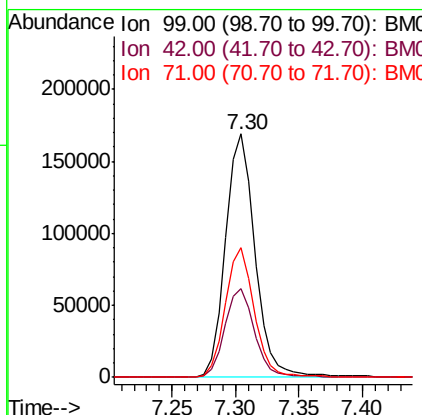
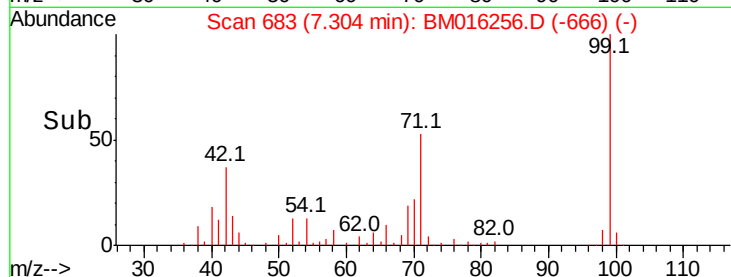
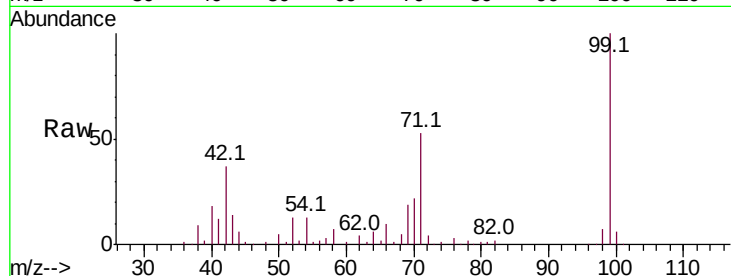
ClientSampled :

C-13

Tot Ion:	99	Resp:	272534
Ion Ratio	Lower	Upper	
99	100		
42	36.7	11.0	16.4#
71	53.5	23.4	35.2#

Manual Integrations
APPROVED

Sohil
8/9/2018 2:24:22 PM



#21

Naphthalene-d8

Concen: 20.000 ng

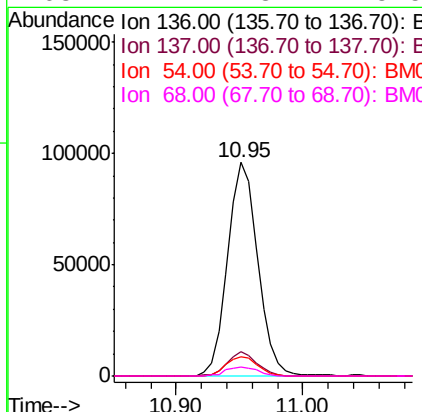
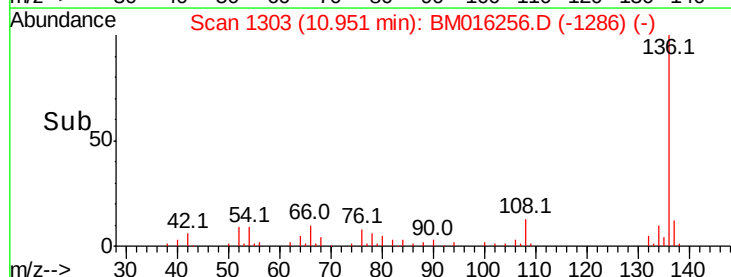
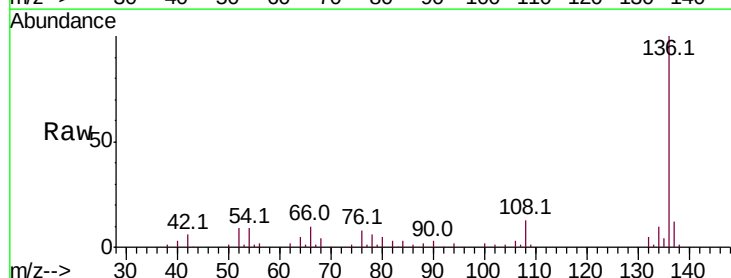
RT: 10.95 min Scan# 1303

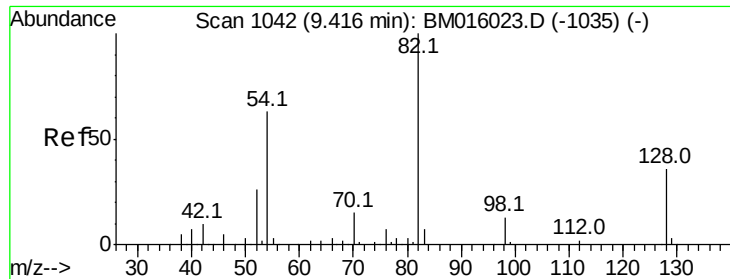
Delta R.T. 0.00 min

Lab File: BM016256.D

Acq: 08 Aug 2018 18:55

Tgt Ion:	136	Resp:	158510
Ion Ratio	Lower	Upper	
136	100		
137	11.6	8.7	13.1
54	8.8	4.6	6.8#
68	4.2	3.7	5.5





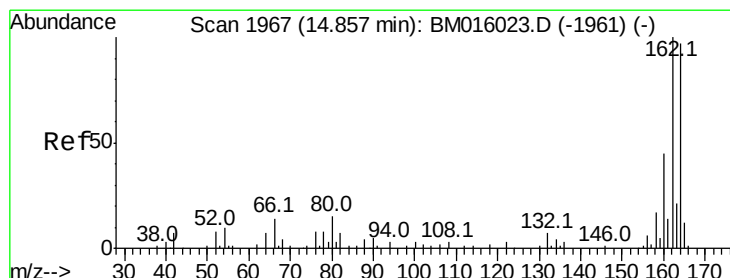
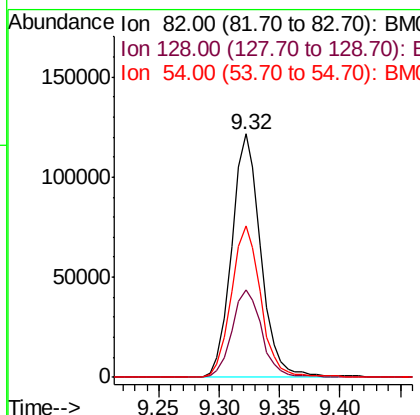
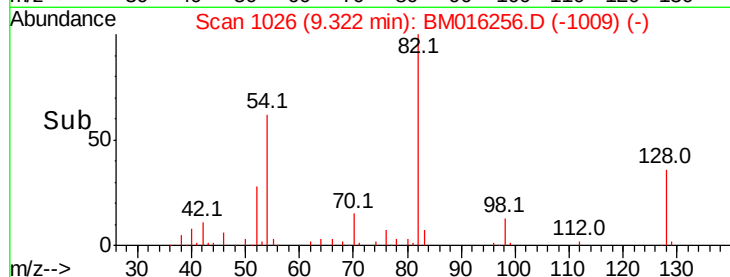
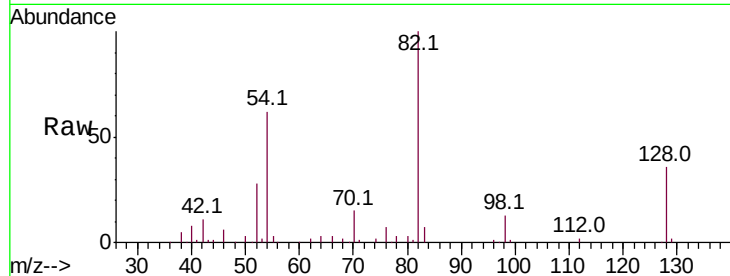
#23
Nitrobenzene-d5
Concen: N.D. ng
RT: 9.32 min Scan# 1026
Delta R.T. 0.00 min
Lab File: BM016256.D
Acq: 08 Aug 2018 18:55

Instrument :
BNA_M
ClientSampled :
C-13

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	36.1	32.8	49.2	
54	62.4	40.6	60.8	

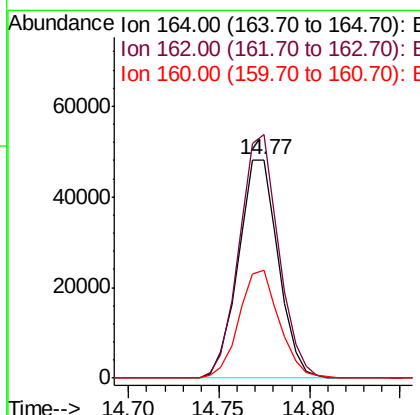
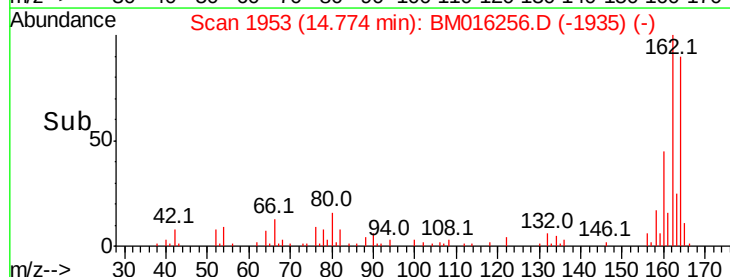
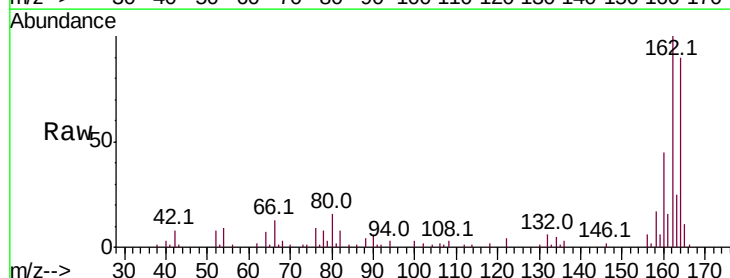
Manual Integrations
APPROVED

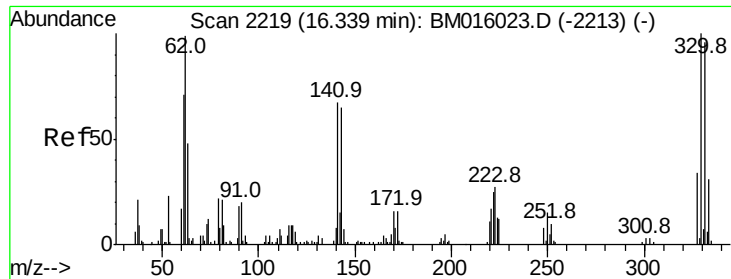
Sohil
8/9/2018 2:24:22 PM



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.77 min Scan# 1953
Delta R.T. 0.01 min
Lab File: BM016256.D
Acq: 08 Aug 2018 18:55

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	111.5	82.4	123.6	
160	49.6	35.8	53.6	





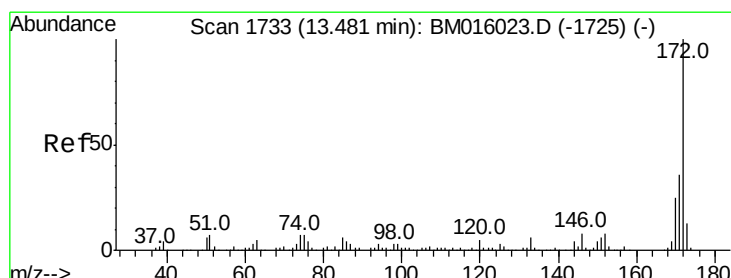
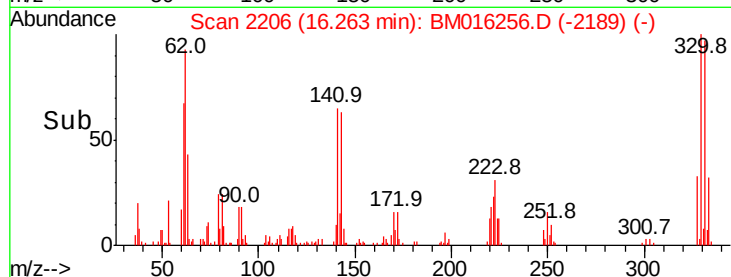
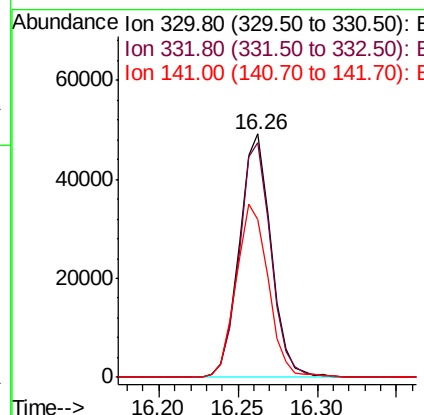
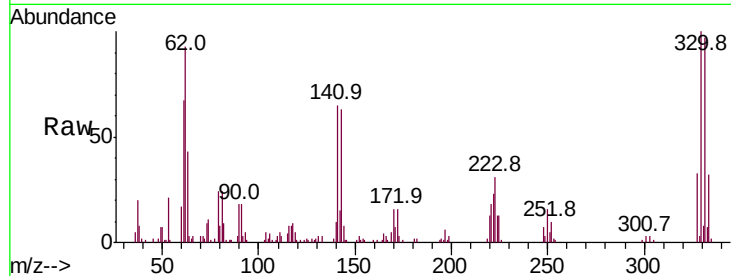
#41
 2,4,6-Tribromophenol
 Concen: N.D. ng
 RT: 16.26 min Scan# 2206
 Delta R.T. 0.00 min
 Lab File: BM016256.D
 Acq: 08 Aug 2018 18:55

Instrument :
 BNA_M
 ClientSampled :
 C-13

Tot Ion	Ratio	Resp Lower	Upper
330	100		
332	97.1	0.0	0.0#
141	72.6	0.0	0.0#

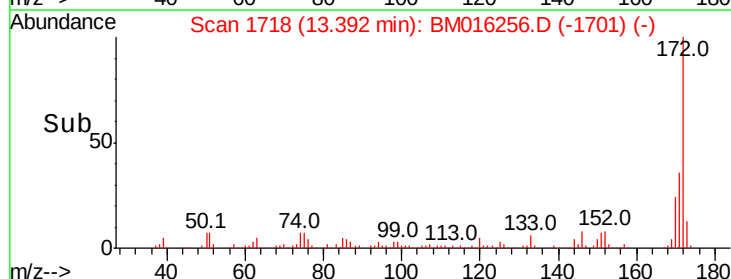
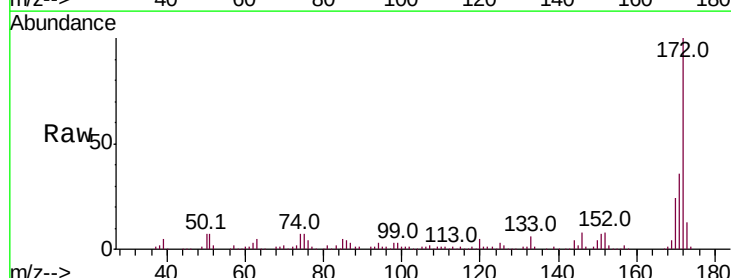
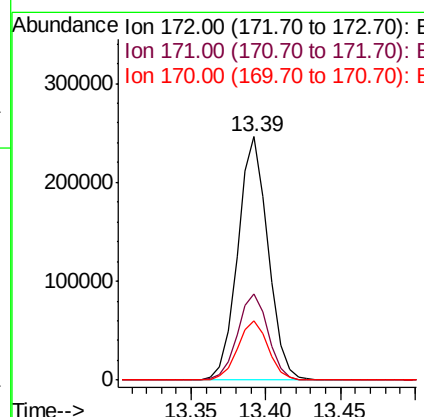
Manual Integrations
 APPROVED

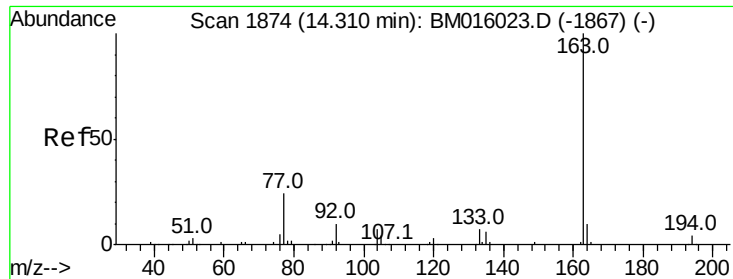
Sohil
 8/9/2018 2:24:22 PM



#44
 2-Fluorobiphenyl
 Concen: N.D. ng
 RT: 13.39 min Scan# 1718
 Delta R.T. 0.00 min
 Lab File: BM016256.D
 Acq: 08 Aug 2018 18:55

Tgt Ion	Ratio	Resp Lower	Upper
172	100		
171	35.5	28.5	42.7
170	24.3	18.8	28.2





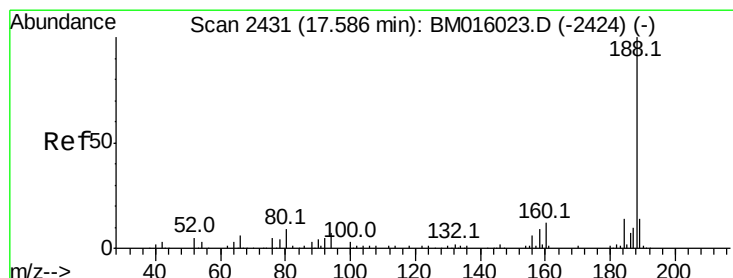
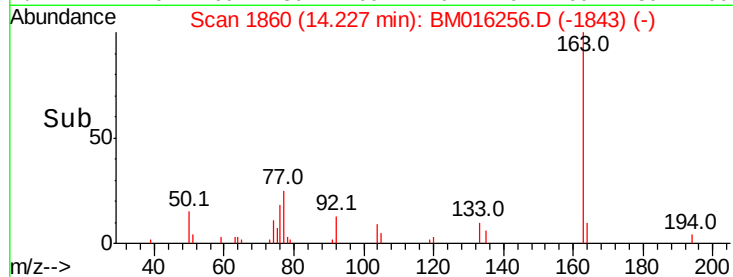
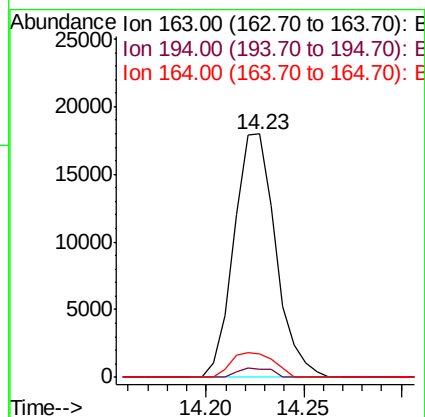
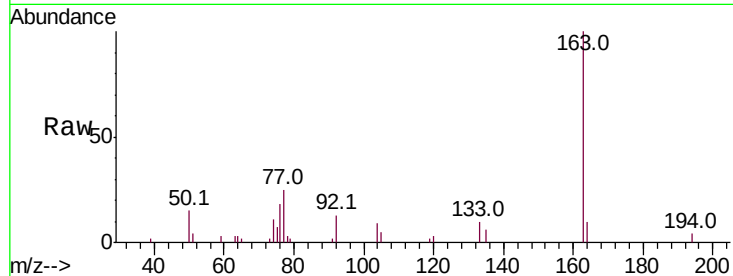
#49
Dimethylphthalate
Concen: 4.137 ng
RT: 14.23 min Scan# 1860
Delta R.T. 0.00 min
Lab File: BM016256.D
Acq: 08 Aug 2018 18:55

Instrument :
BNA_M
ClientSampleId :
C-13

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.7	4.1
164	9.7	8.2	12.2

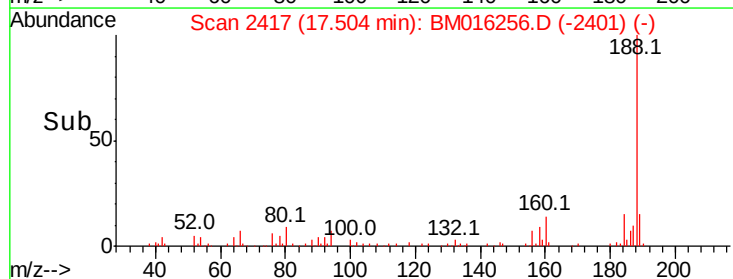
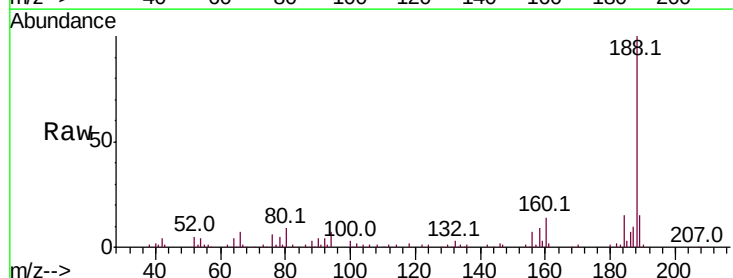
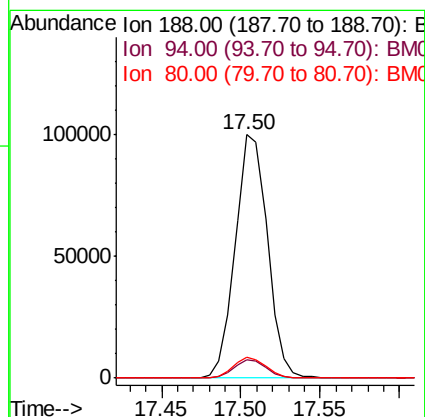
Manual Integrations
APPROVED

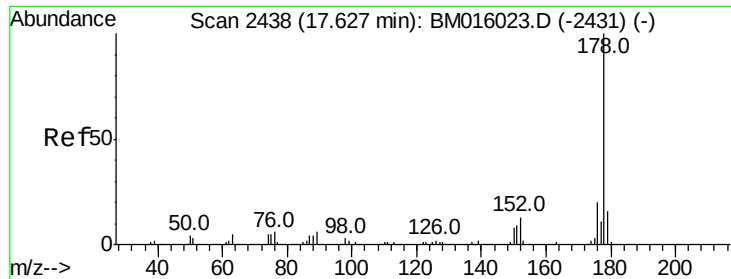
Sohil
8/9/2018 2:24:22 PM



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.50 min Scan# 2417
Delta R.T. -0.01 min
Lab File: BM016256.D
Acq: 08 Aug 2018 18:55

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.3	8.7	13.1#
80	8.6	9.3	13.9#





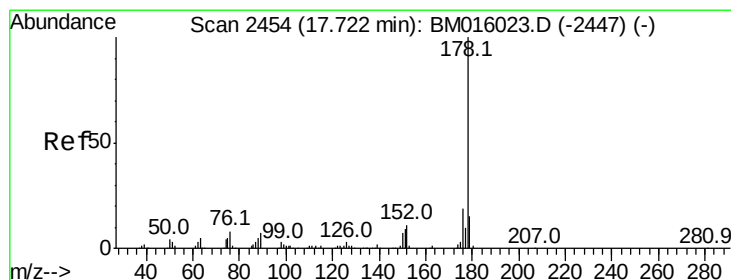
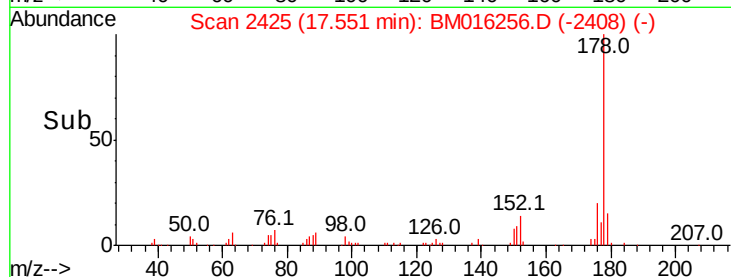
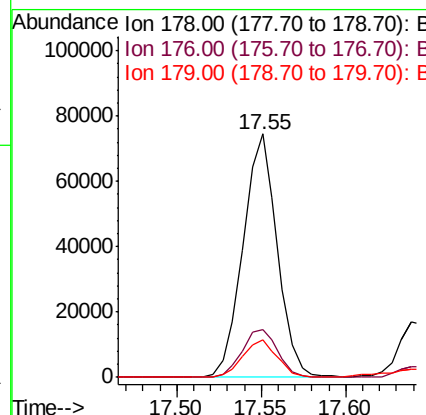
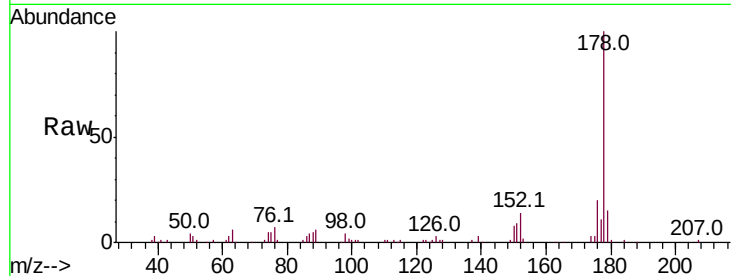
#70
Phenanthrene
Concen: 13.321 ng
RT: 17.55 min Scan# 2425
Delta R.T. 0.00 min
Lab File: BM016256.D
Acq: 08 Aug 2018 18:55

Instrument :
BNA_M
ClientSampled :
C-13

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.2	22.8
179	15.5	12.1	18.1

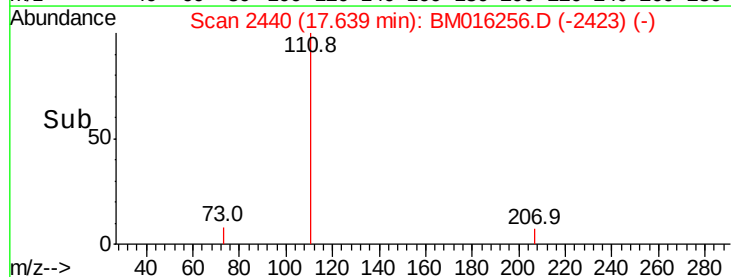
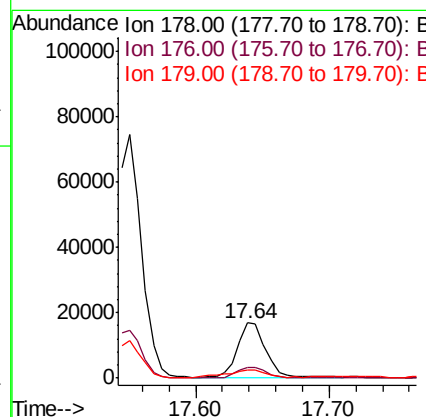
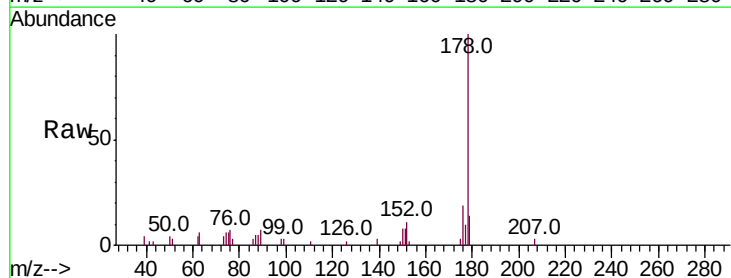
Manual Integrations
APPROVED

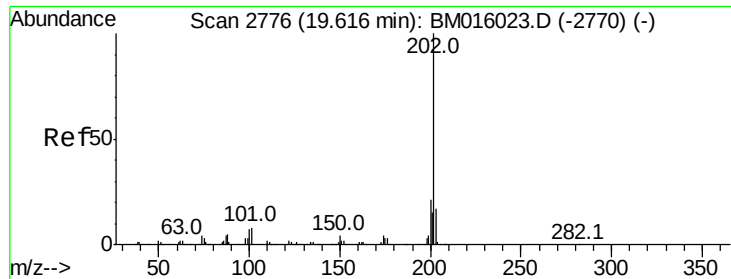
Sohil
8/9/2018 2:24:22 PM



#71
Anthracene
Concen: 3.400 ng
RT: 17.64 min Scan# 2440
Delta R.T. 0.00 min
Lab File: BM016256.D
Acq: 08 Aug 2018 18:55

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.6	22.0
179	14.4	12.6	19.0





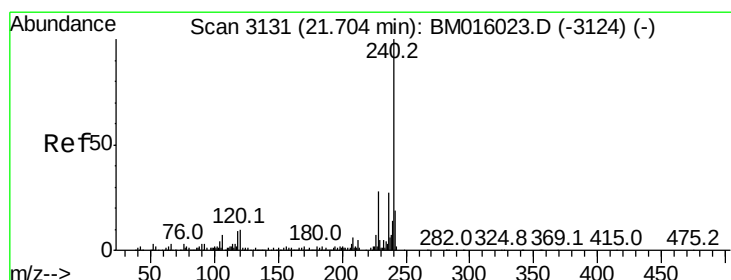
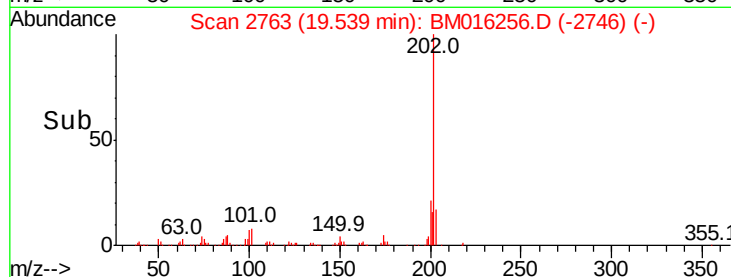
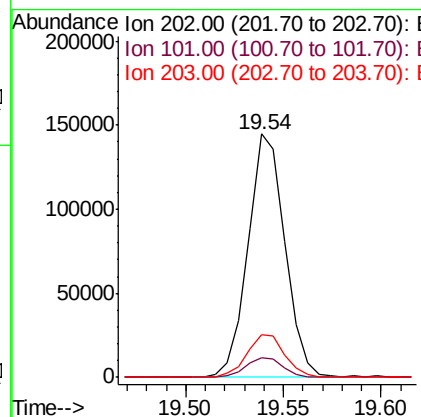
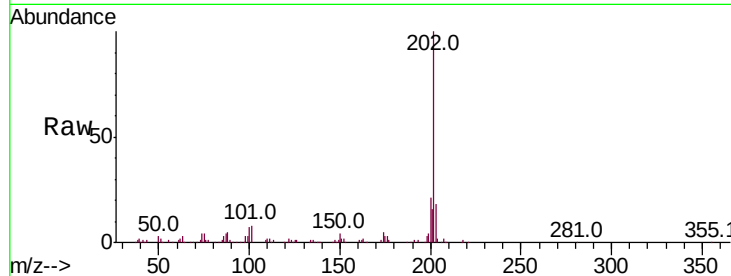
#74
 Fluoranthene
 Concen: 21.571 ng
 RT: 19.54 min Scan# 2763
 Delta R.T. 0.00 min
 Lab File: BM016256.D
 Acq: 08 Aug 2018 18:55

Instrument :
 BNA_M
 ClientSampleId :
 C-13

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	7.9	0.0	28.7
203	17.5	0.0	37.2

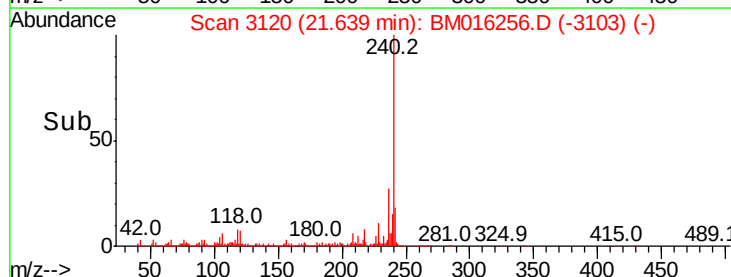
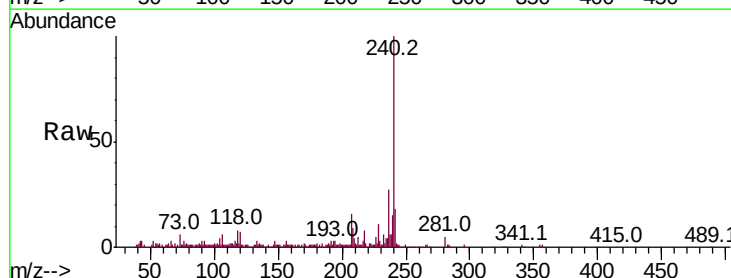
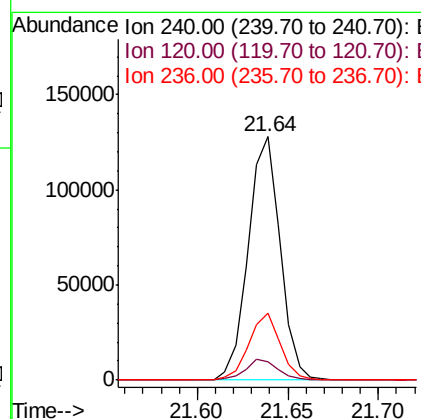
Manual Integrations
 APPROVED

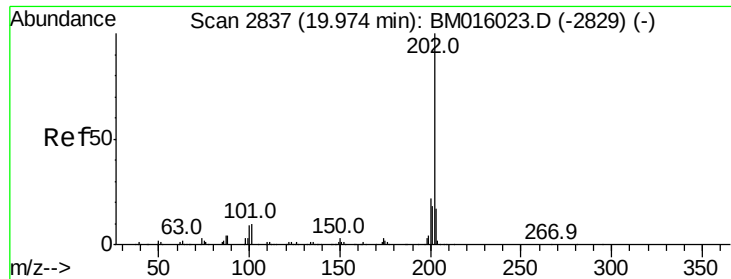
Sohil
 8/9/2018 2:24:22 PM



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.64 min Scan# 3120
 Delta R.T. 0.00 min
 Lab File: BM016256.D
 Acq: 08 Aug 2018 18:55

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	7.5	8.2	12.2#
236	27.4	20.0	30.0





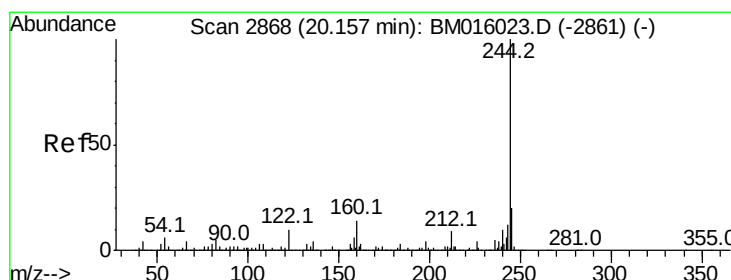
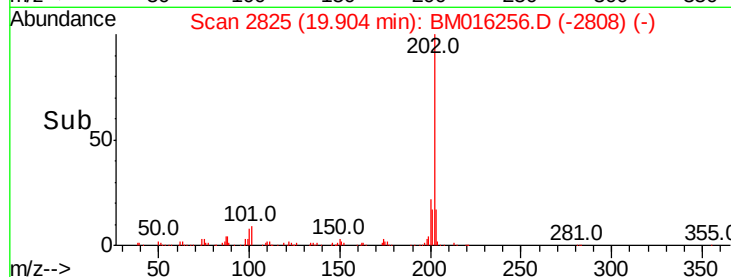
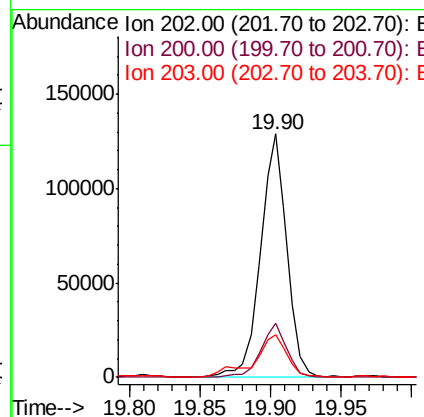
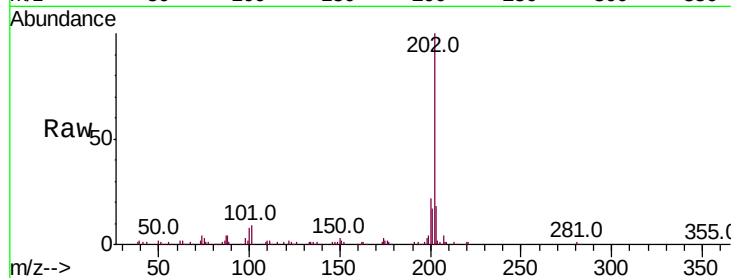
#77
Pvrene
Concen: 17.990 ng
RT: 19.90 min Scan# 2825
Delta R.T. 0.00 min
Lab File: BM016256.D
Acq: 08 Aug 2018 18:55

Instrument :
BNA_M
ClientSampleId :
C-13

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	22.1	16.9	25.3
203	17.6	14.1	21.1

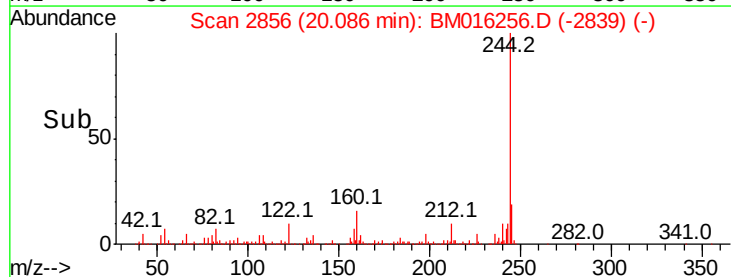
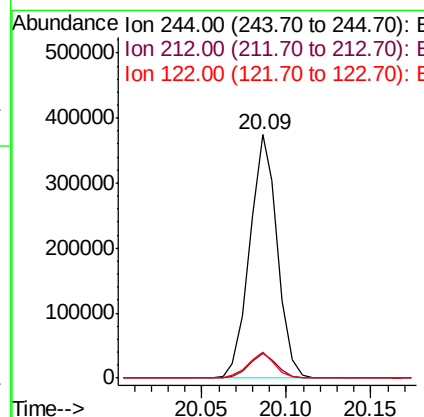
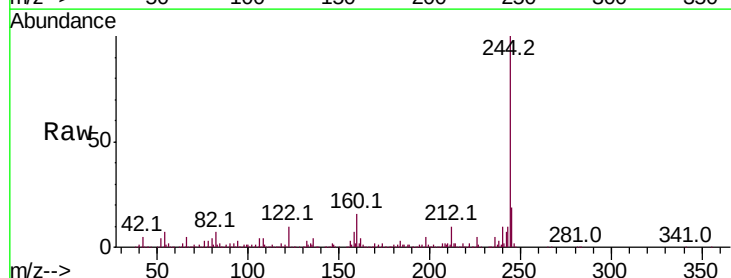
Manual Integrations
APPROVED

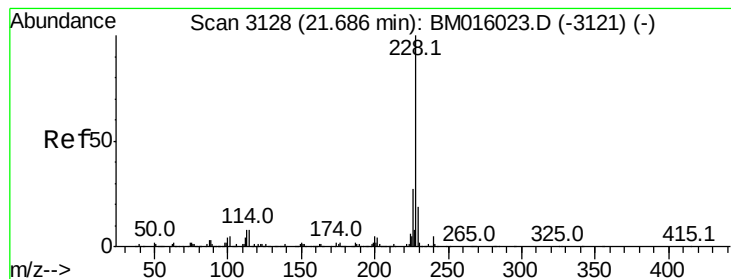
Sohil
8/9/2018 2:24:22 PM



#78
Terphenyl-d14
Concen: 17.990 ng
RT: 20.09 min Scan# 2856
Delta R.T. 0.00 min
Lab File: BM016256.D
Acq: 08 Aug 2018 18:55

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	10.0	4.9	7.3#
122	10.5	6.2	9.4#





#80

Benzo(a)anthracene

Concen: 11.190 ng

RT: 21.62 min Scan# 3117

Delta R.T. 0.00 min

Lab File: BM016256.D

Acq: 08 Aug 2018 18:55

Instrument :

BNA_M

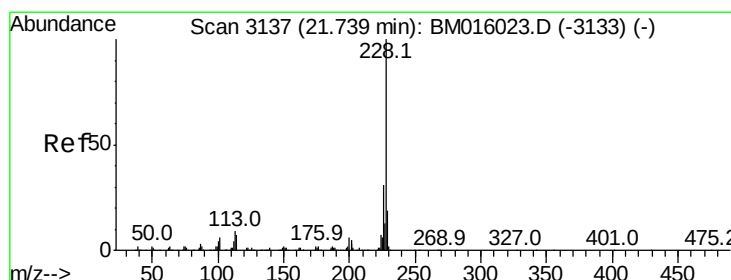
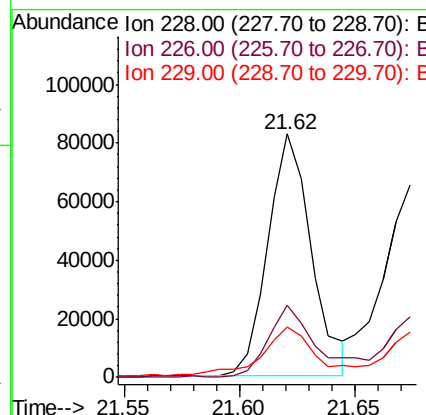
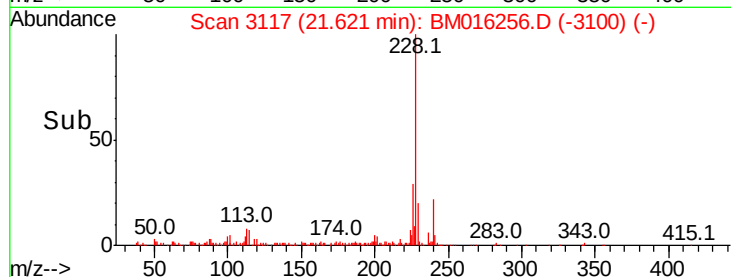
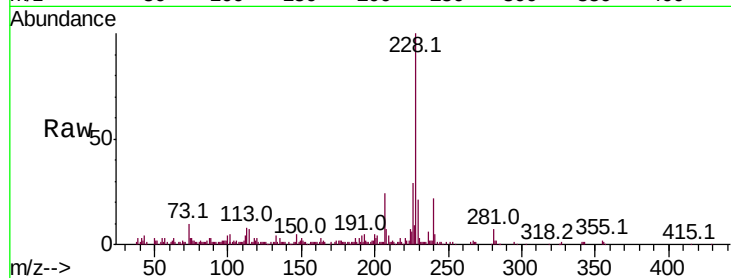
ClientSampled :

C-13

Tot Ion:	228	Resp:	108124
Ion Ratio	Lower	Upper	
228	100		
226	29.4	21.7	32.5
229	20.6	16.0	24.0

Manual Integrations
APPROVED

Sohil
8/9/2018 2:24:22 PM



#82

Chrysene

Concen: 10.276 ng

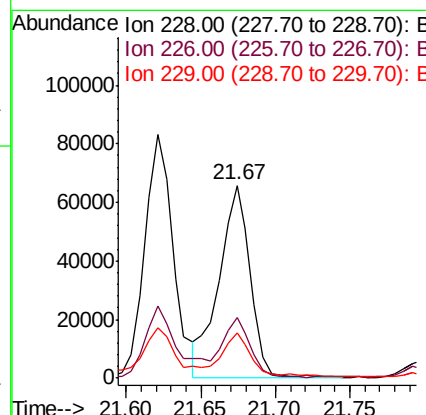
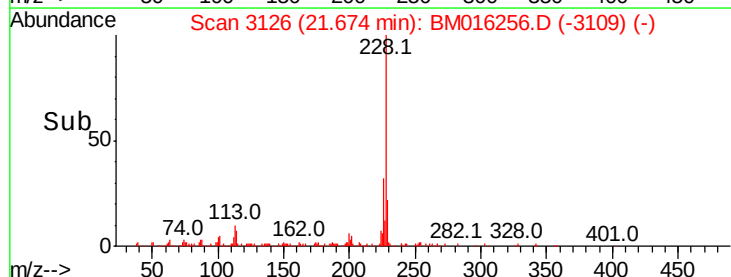
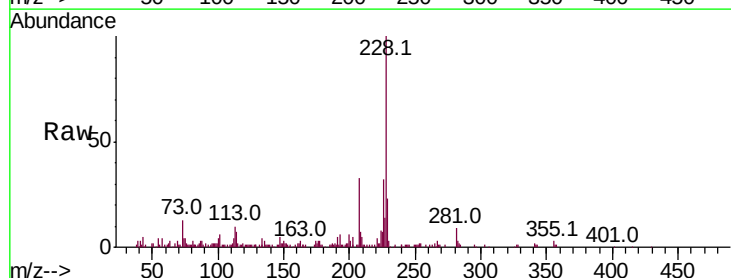
RT: 21.67 min Scan# 3126

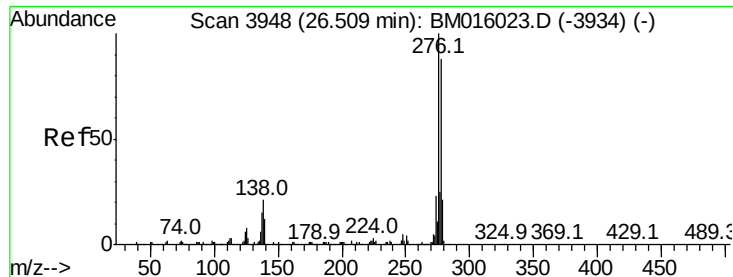
Delta R.T. 0.00 min

Lab File: BM016256.D

Acq: 08 Aug 2018 18:55

Tgt Ion:	228	Resp:	95245
Ion Ratio	Lower	Upper	
228	100		
226	31.7	24.1	36.1
229	23.2	15.5	23.3





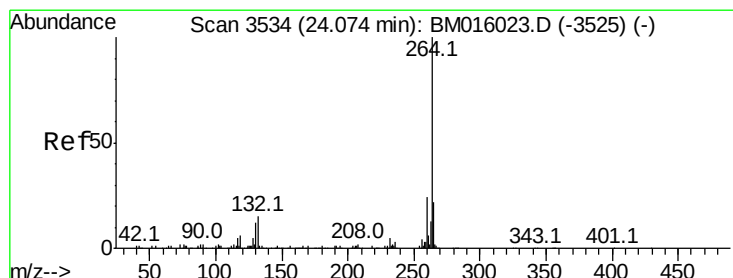
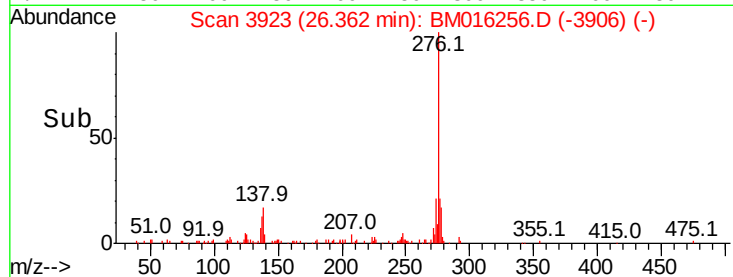
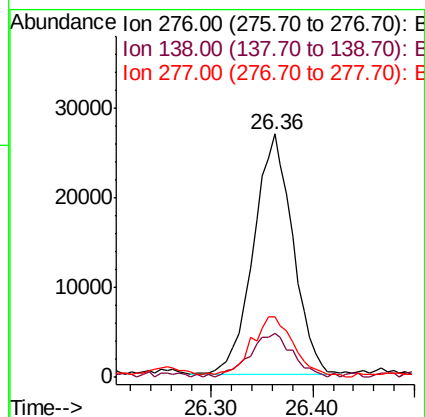
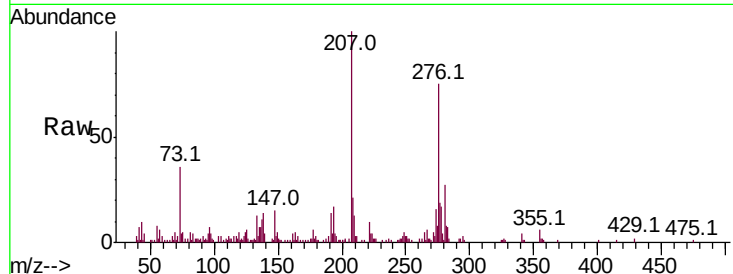
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 6.556 ng
 RT: 26.36 min Scan# 3923
 Delta R.T. 0.00 min
 Lab File: BM016256.D
 Acq: 08 Aug 2018 18:55

Instrument :
 BNA_M
 ClientSampled :
 C-13

Tot Ion:	276	Resp:	72115
Ion Ratio	Lower	Upper	
276	100		
138	20.2	12.0	18.0#
277	28.0	20.0	30.0

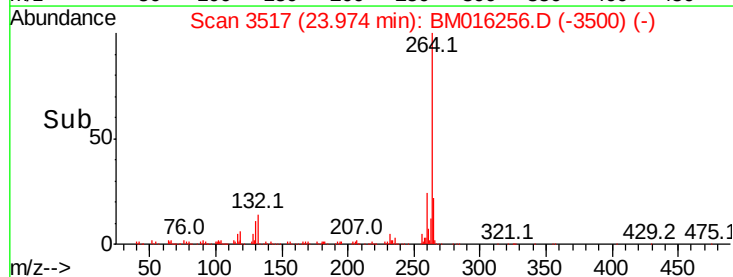
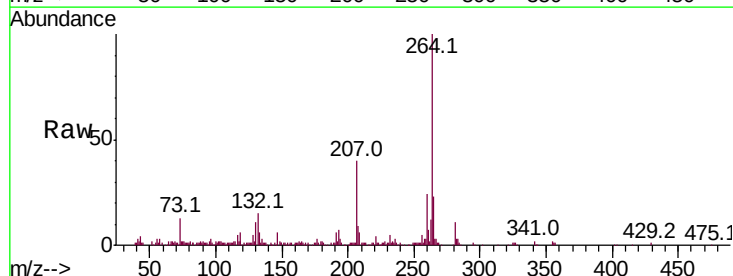
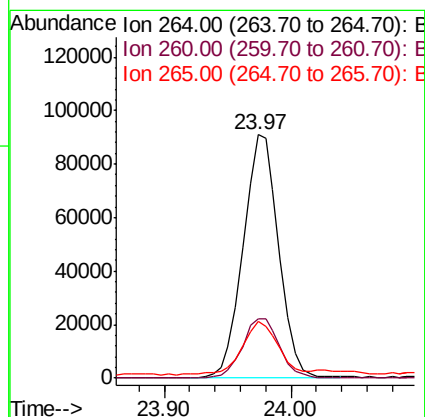
Manual Integrations
 APPROVED

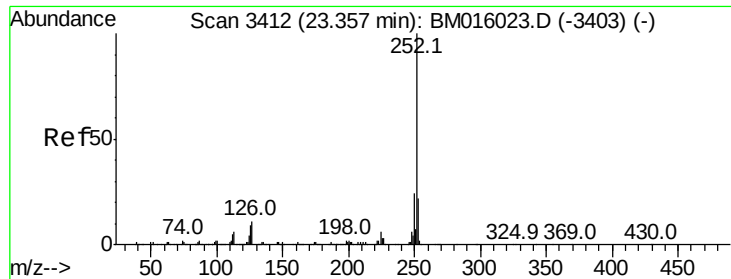
Sohil
 8/9/2018 2:24:22 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.97 min Scan# 3517
 Delta R.T. 0.00 min
 Lab File: BM016256.D
 Acq: 08 Aug 2018 18:55

Tgt Ion:	264	Resp:	176526
Ion Ratio	Lower	Upper	
264	100		
260	24.2	18.6	27.8
265	23.3	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 14.170 ng

RT: 23.27 min Scan# 3397

Delta R.T. 0.00 min

Lab File: BM016256.D

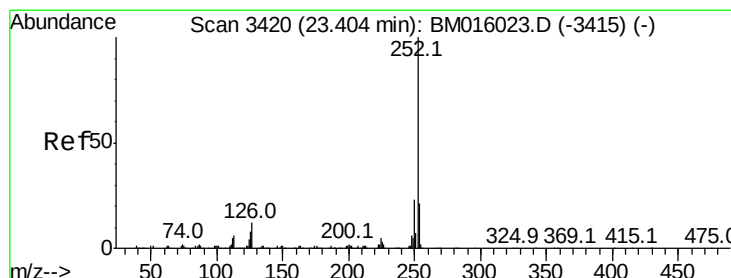
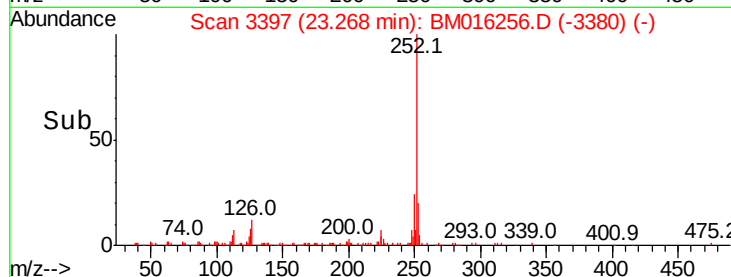
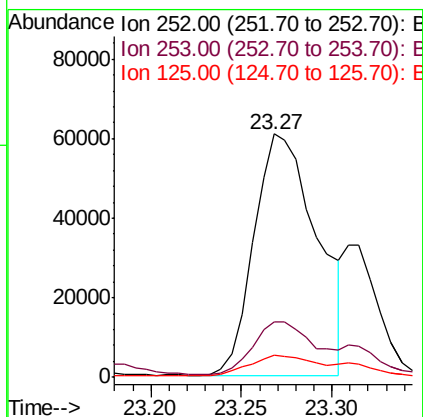
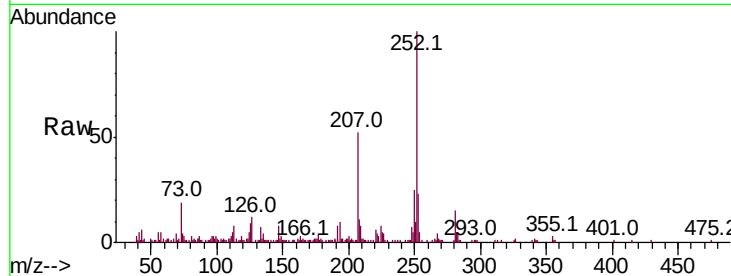
Acq: 08 Aug 2018 18:55

Instrument :
BNA_M
ClientSampled :
C-13

Tot Ion	Ratio	Resp	Lower	Upper
252	100	147273		
253	22.5		18.0	27.0
125	8.9		9.9	14.9

Manual Integrations
APPROVED

Sohil
8/9/2018 2:24:22 PM



#88

Benzo(k)fluoranthene

Concen: 4.149 ng m

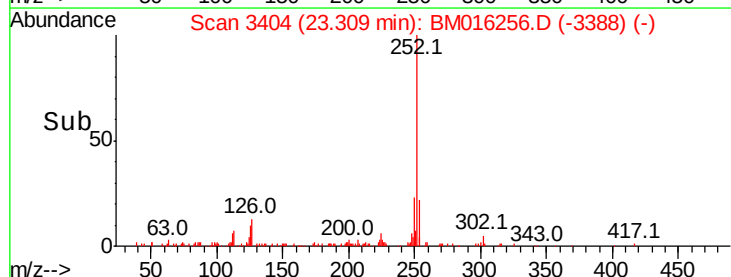
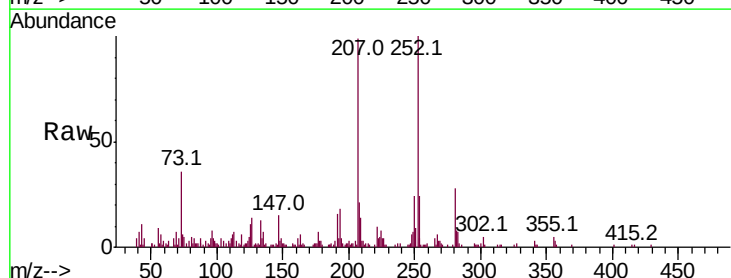
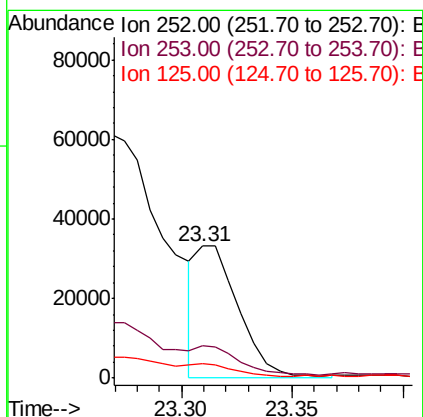
RT: 23.31 min Scan# 3404

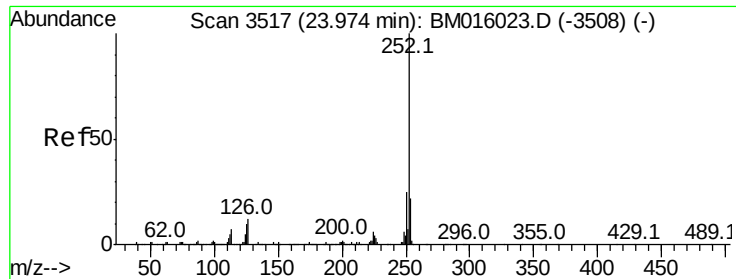
Delta R.T. -0.01 min

Lab File: BM016256.D

Acq: 08 Aug 2018 18:55

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	43704		
253	24.4		17.2	25.8
125	11.5		8.1	12.1





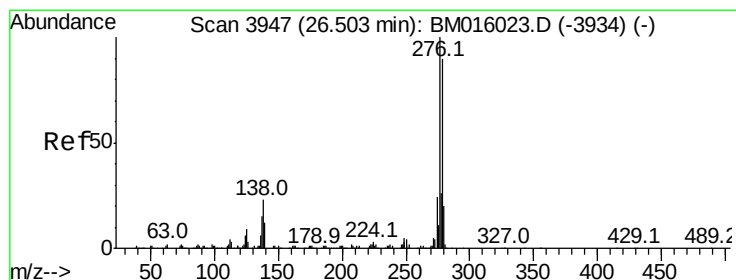
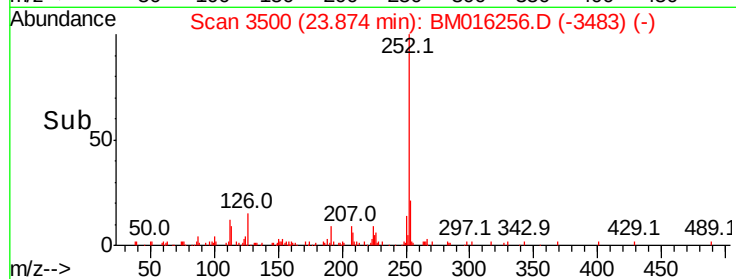
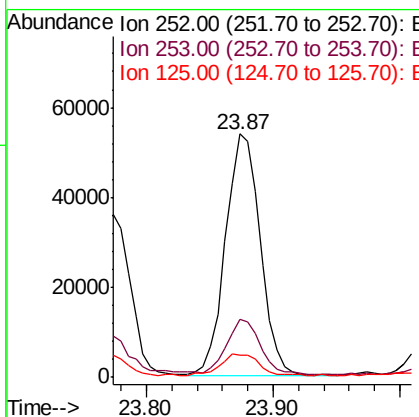
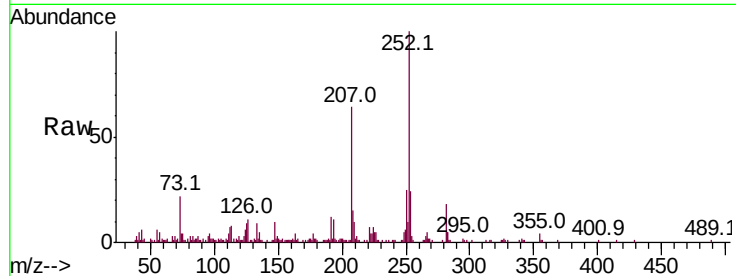
#89
Benzo(a)pyrene
Concen: 10.207 ng
RT: 23.87 min Scan# 3500
Delta R.T. 0.00 min
Lab File: BM016256.D
Acq: 08 Aug 2018 18:55

Instrument :
BNA_M
ClientSampled :
C-13

Tot Ion	Ratio	Resp	Lower	Upper
252	100	101988		
253	23.6		17.6	26.4
125	9.3		7.4	11.2

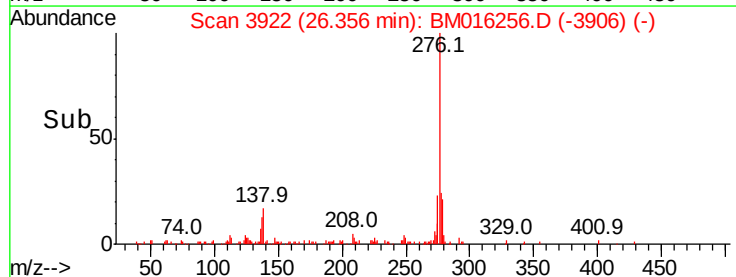
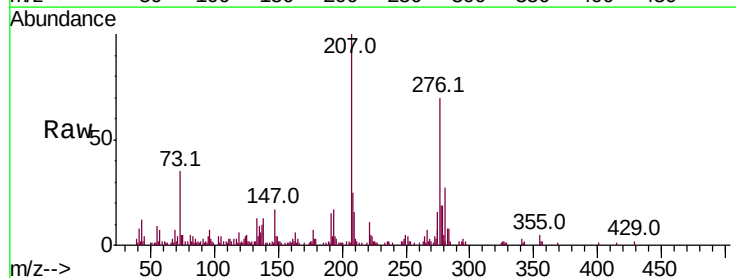
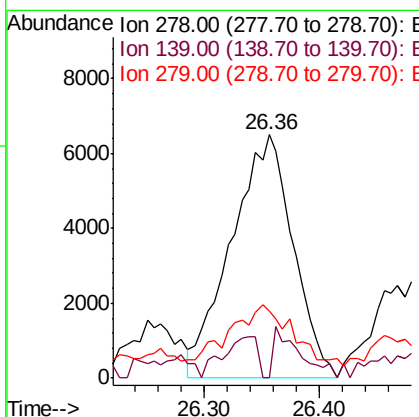
Manual Integrations
APPROVED

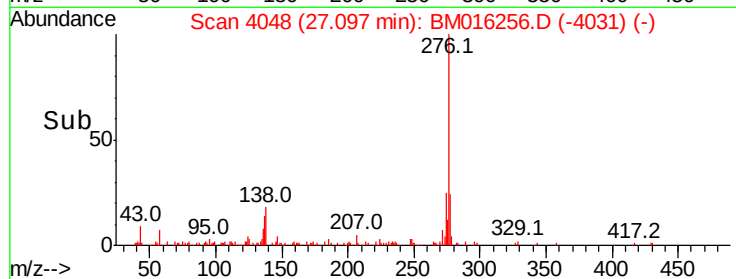
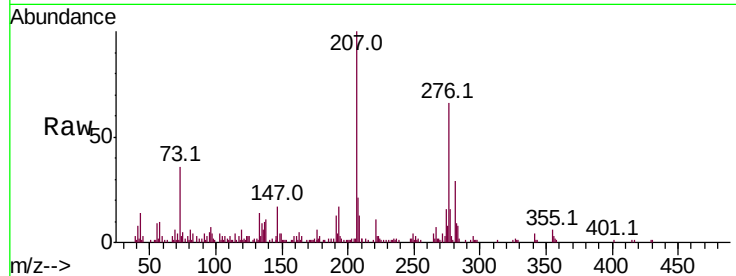
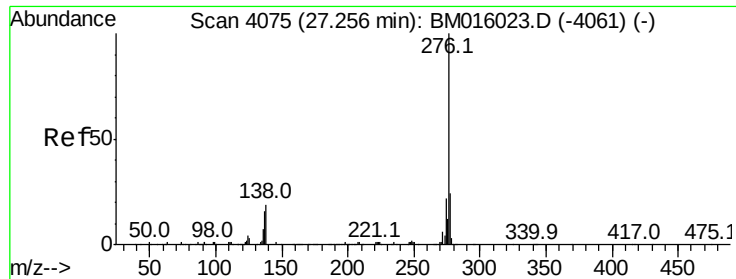
Sohil
8/9/2018 2:24:22 PM



#90
Dibenzo(a,h)anthracene
Concen: 2.339 ng
RT: 26.36 min Scan# 3922
Delta R.T. -0.01 min
Lab File: BM016256.D
Acq: 08 Aug 2018 18:55

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	24211		
139	0.0		13.4	20.0#
279	27.6		19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 7.549 ng
 RT: 27.10 min Scan# 4048
 Delta R.T. 0.00 min
 Lab File: BM016256.D
 Acq: 08 Aug 2018 18:55

Instrument :
 BNA_M
 ClientSampleId :
 C-13

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.5	27.7
138	17.2	19.0	28.6

Manual Integrations
 APPROVED

Sohil
 8/9/2018 2:24:22 PM

