

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080718\
 Data File : BM016238.D
 Acq On : 08 Aug 2018 04:08
 Operator : SJ/JU
 Sample : J4310-03 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C-2

Manual Integrations
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Sohil
 8/8/2018 5:35:10 PM

Quant Time: Aug 08 07:03:49 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM072318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 07 16:15:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.13	152	51329	20.00	ng	0.00
21) Naphthalene-d8	10.95	136	223043	20.00	ng	0.00
38) Acenaphthene-d10	14.77	164	123602	20.00	ng	0.00
63) Phenanthrene-d10	17.51	188	283747	20.00	ng	0.00
75) Chrysene-d12	21.64	240	314040	20.00	ng	0.00
86) Perylene-d12	23.98	264	261133	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	45922	14.86	ng	0.00
7) Phenol-d6	7.30	99	63386	15.71	ng	0.00
23) Nitrobenzene-d5	9.32	82	37423	7.80	ng	0.00
41) 2,4,6-Tribromophenol	16.26	330	22034	14.06	ng	0.00
44) 2-Fluorobiphenyl	13.39	172	84118	8.28	ng	0.00
78) Terphenyl-d14	20.09	244	139323	9.29	ng	0.00
Target Compounds						
51) Acenaphthene	14.83	154	18777	2.404	ng	Qvalue 89
57) Fluorene	15.82	166	26053	2.724	ng	# 91
70) Phenanthrene	17.55	178	574619	36.172	ng	99
71) Anthracene	17.64	178	129657	8.398	ng	99
72) Carbazole	17.92	167	41130	2.571	ng	96
74) Fluoranthene	19.54	202	973277	54.924	ng	99
77) Pyrene	19.90	202	760588	40.415	ng	99
80) Benzo(a)anthracene	21.62	228	439579	22.727	ng	99
82) Chrysene	21.67	228	366762	19.767	ng	98
85) Indeno(1,2,3-cd)pyrene	26.36	276	161927	7.355	ng	# 96
87) Benzo(b)fluoranthene	23.27	252	412158	26.807	ng	# 96
88) Benzo(k)fluoranthene	23.31	252	129273m	8.296	ng	
89) Benzo(a)pyrene	23.88	252	265040	17.932	ng	99
90) Dibenzo(a,h)anthracene	26.36	278	49908	3.259	ng	94
91) Benzo(a,h,i)perylene	27.10	276	146792	10.135	ng	# 91

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

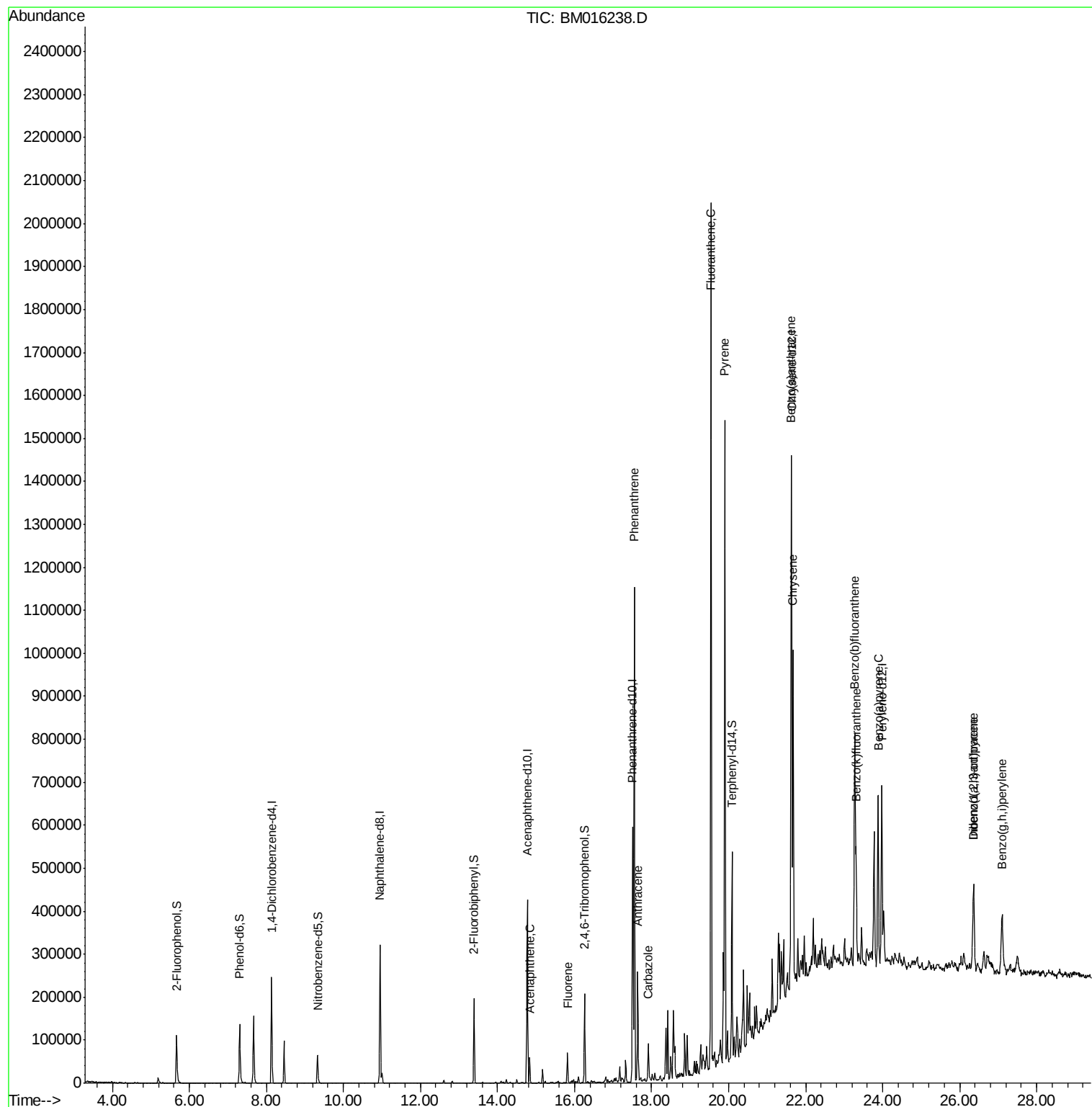
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080718\
Data File : BM016238.D
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ALS Vial : 16 Sample Multiplier: 1

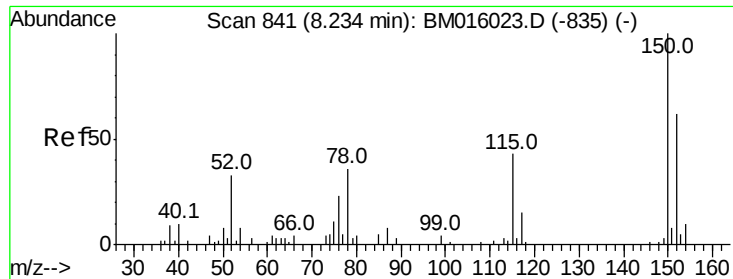
Instrument :
BNA_M
ClientSampled :
C-2

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM072318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

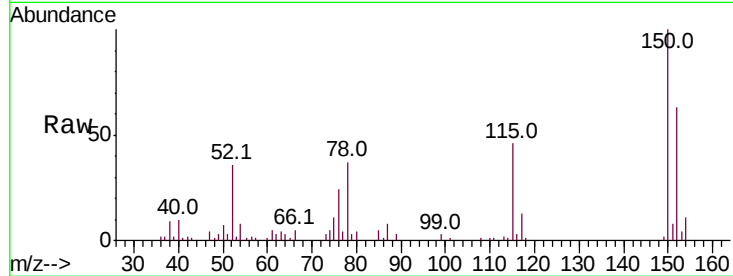
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.13 min Scan# 824
Delta R.T. -0.01 min
Lab File: BM016238.D
Acq: 08 Aug 2018 04:08

Instrument :
BNA_M
ClientSampled :
C-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.8	119.5	179.3
115	72.5	43.0	64.4

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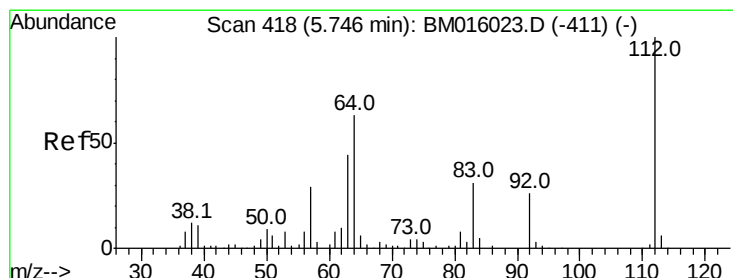
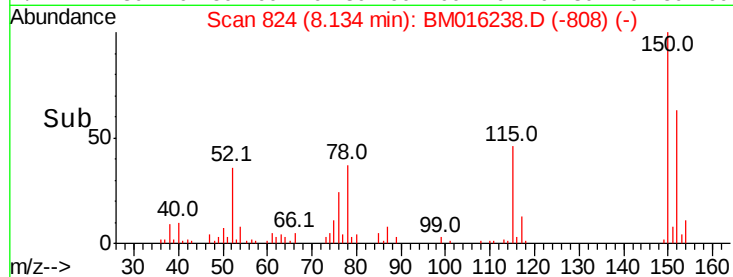
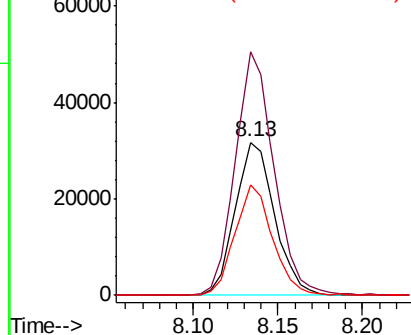


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

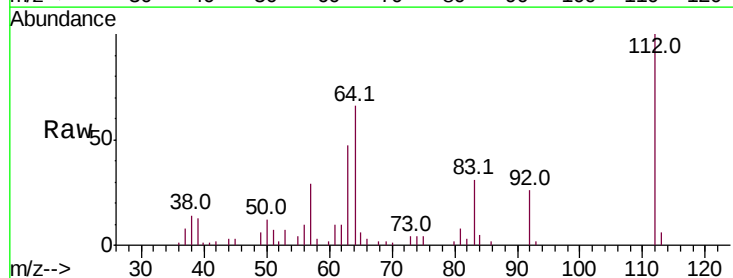
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: N.D. ng
RT: 5.66 min Scan# 404
Delta R.T. 0.00 min
Lab File: BM016238.D
Acq: 08 Aug 2018 04:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.0	38.6	57.8
63	46.8	19.3	28.9

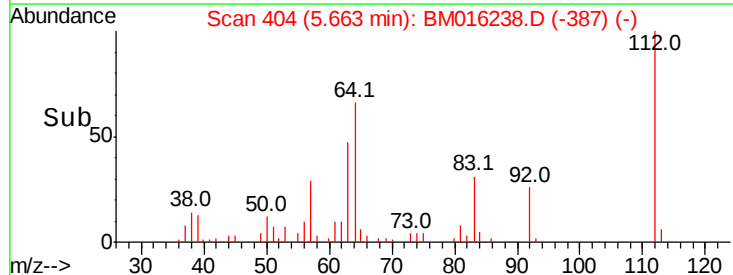
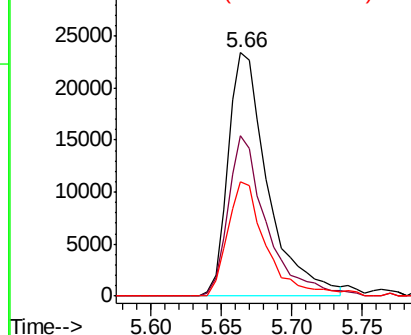


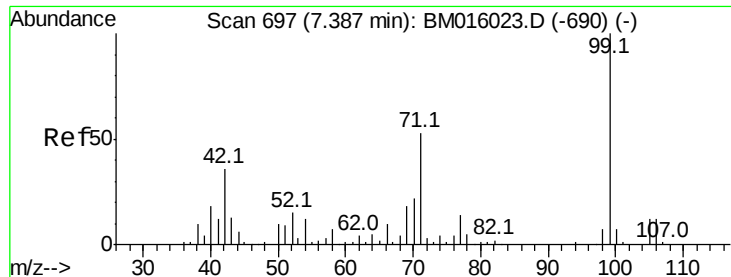
Abundance

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: N.D. ng

RT: 7.30 min Scan# 683

Delta R.T. 0.00 min

Lab File: BM016238.D

Acq: 08 Aug 2018 04:08

Instrument :

BNA_M

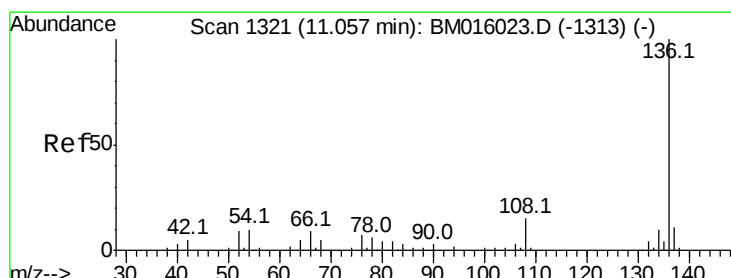
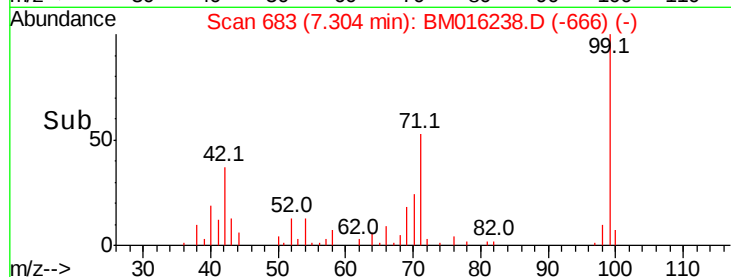
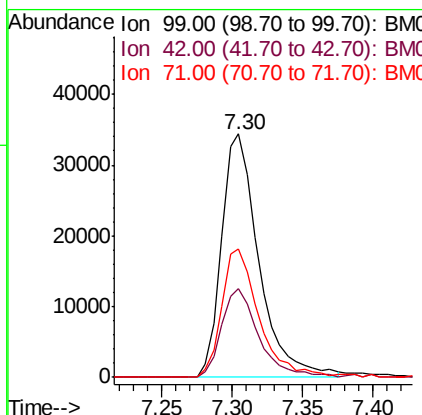
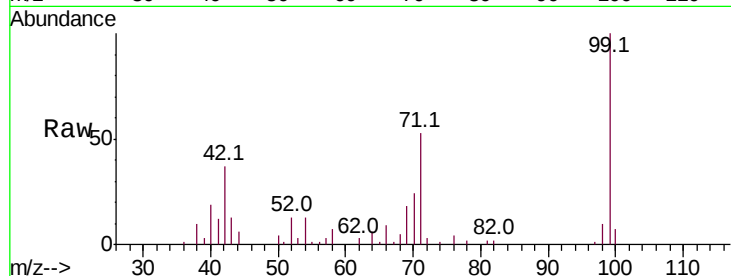
ClientSampled :

C-2

Tot Ion:	99	Resp:	63386
Ion Ratio	Lower	Upper	
99	100		
42	36.6	11.0	16.4#
71	52.7	23.4	35.2#

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#21

Naphthalene-d8

Concen: 20.000 ng

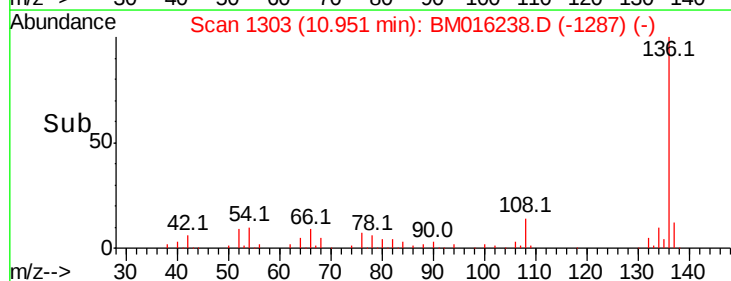
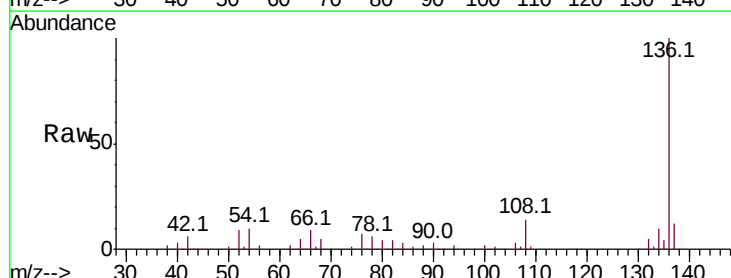
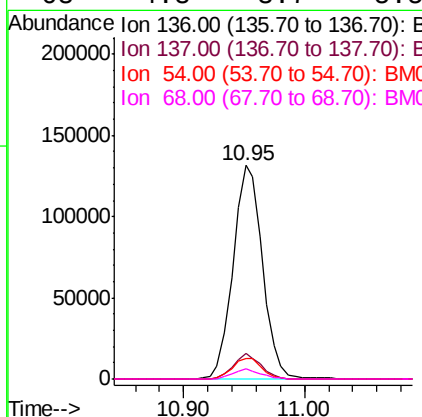
RT: 10.95 min Scan# 1303

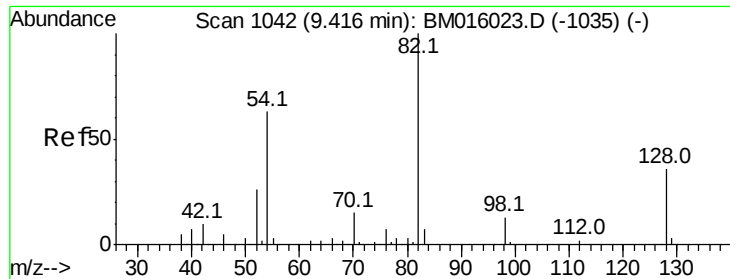
Delta R.T. -0.01 min

Lab File: BM016238.D

Acq: 08 Aug 2018 04:08

Tgt Ion:	136	Resp:	223043
Ion Ratio	Lower	Upper	
136	100		
137	12.1	8.7	13.1
54	9.9	4.6	6.8#
68	4.8	3.7	5.5





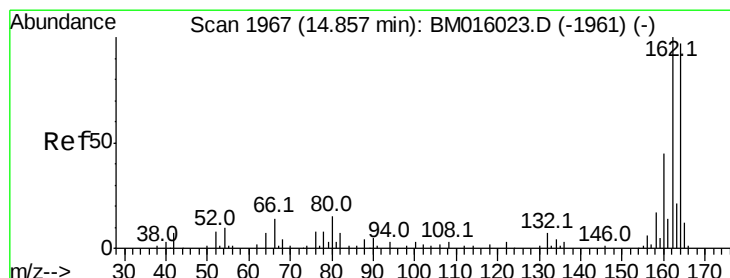
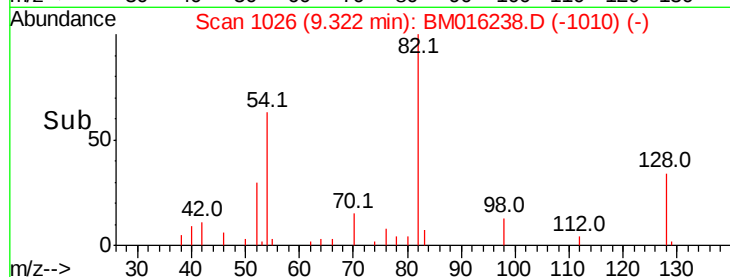
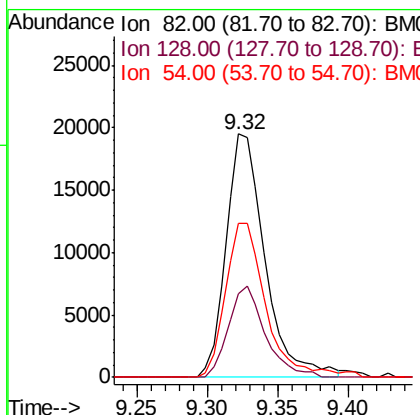
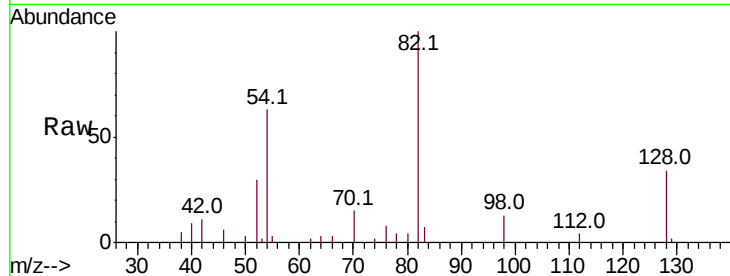
#23
 Nitrobenzene-d5
 Concen: N.D. ng
 RT: 9.32 min Scan# 1026
 Delta R.T. -0.01 min
 Lab File: BM016238.D
 Acq: 08 Aug 2018 04:08

Instrument :
 BNA_M
 ClientSampled :
 C-2

Tot Ion	Ratio	Lower	Upper
82	100		
128	34.3	32.8	49.2
54	63.4	40.6	60.8

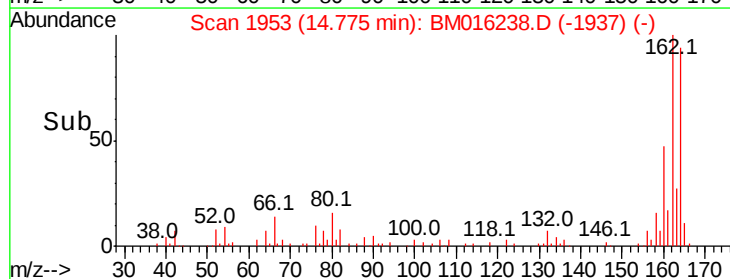
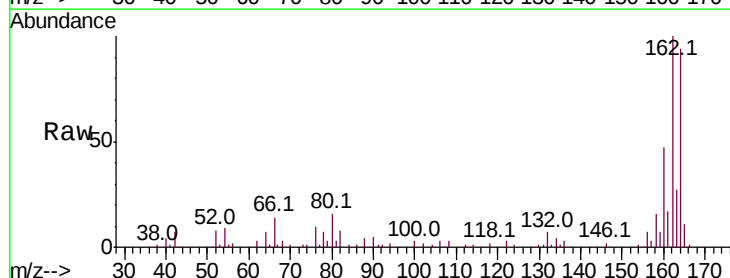
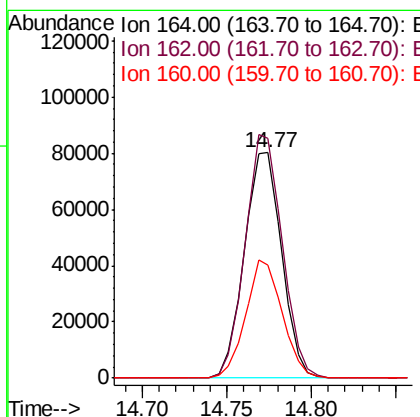
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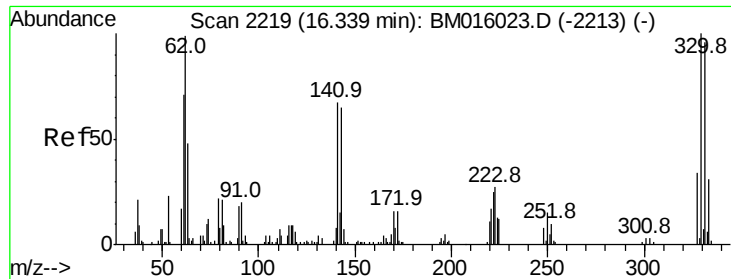
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.77 min Scan# 1953
 Delta R.T. -0.01 min
 Lab File: BM016238.D
 Acq: 08 Aug 2018 04:08

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.3	82.4	123.6
160	50.3	35.8	53.6





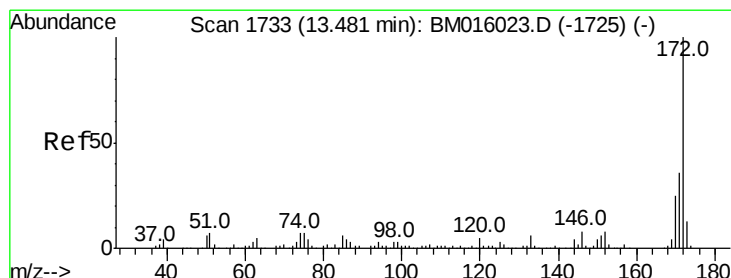
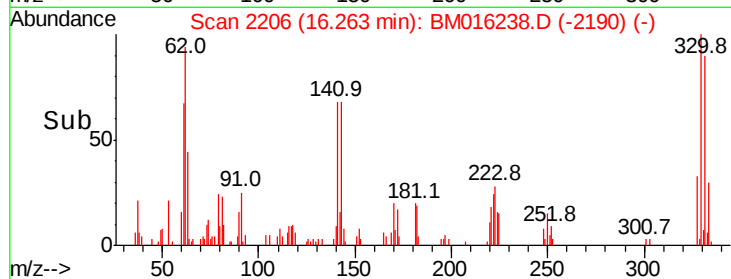
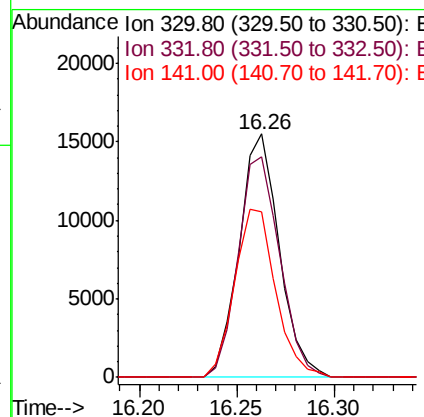
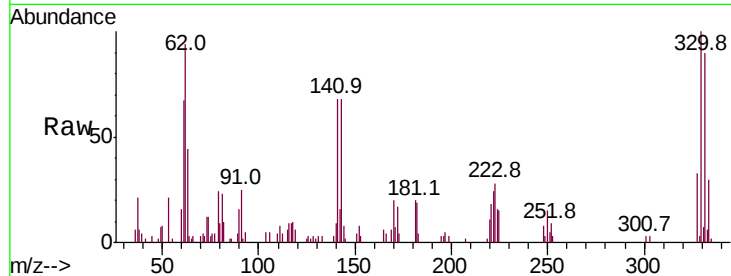
#41
 2,4,6-Tribromophenol
 Concen: N.D. ng
 RT: 16.26 min Scan# 2206
 Delta R.T. -0.01 min
 Lab File: BM016238.D
 Acq: 08 Aug 2018 04:08

Instrument :
 BNA_M
 ClientSampled :
 C-2

Tot Ion	Ratio	Resp	Lower	Upper
330	100	22034		
332	94.2	0.0	0.0	0.0
141	71.0	0.0	0.0	0.0

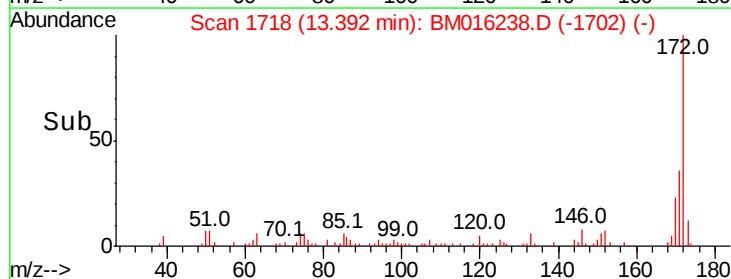
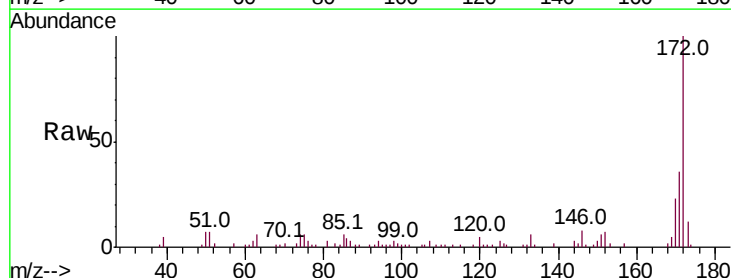
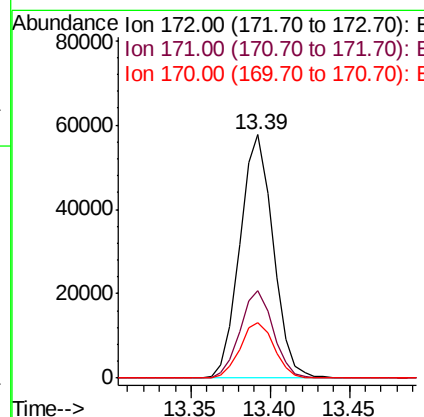
Manual Integrations
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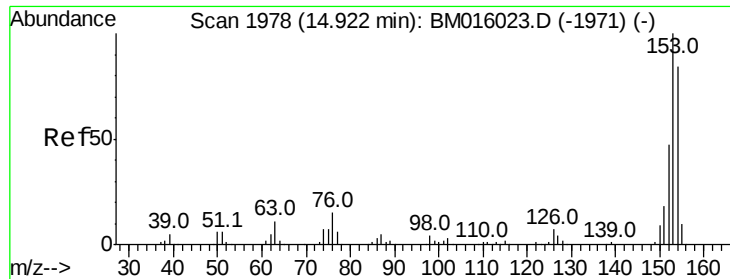
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#44
 2-Fluorobiphenyl
 Concen: N.D. ng
 RT: 13.39 min Scan# 1718
 Delta R.T. -0.01 min
 Lab File: BM016238.D
 Acq: 08 Aug 2018 04:08

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	84118		
171	36.0	28.5	42.7	
170	22.7	18.8	28.2	





#51

Acenaphthene

Concen: 2.404 ng

RT: 14.83 min Scan# 1963

Delta R.T. -0.01 min

Lab File: BM016238.D

Acq: 08 Aug 2018 04:08

Instrument :

BNA_M

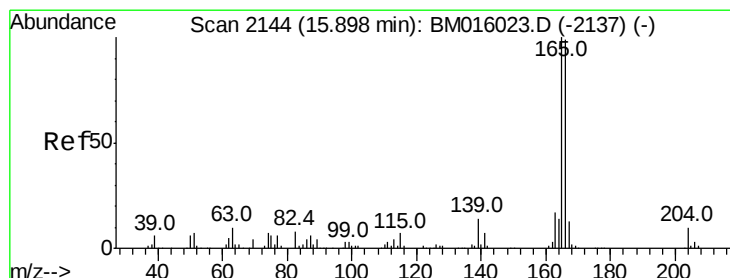
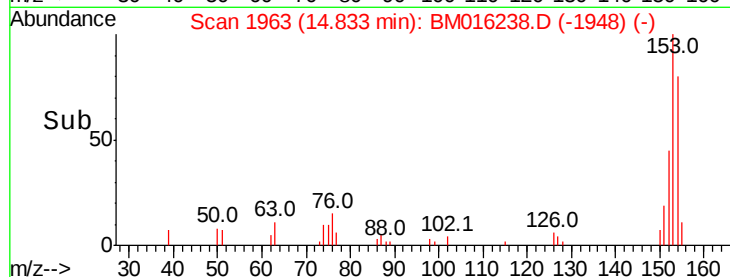
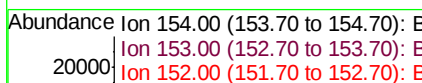
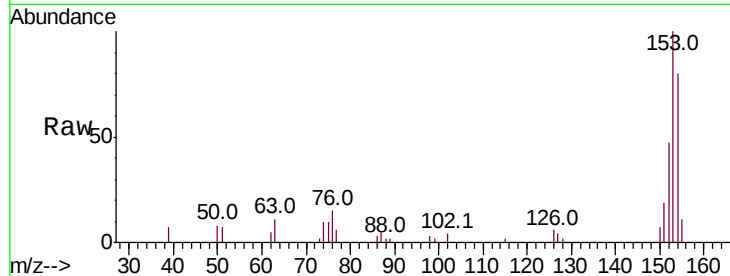
ClientSampleId :

C-2

Tot Ion:	154	Resp:	18777
Ion Ratio	Lower	Upper	
154	100		
153	125.2	90.0	135.0
152	59.4	42.6	63.8

Manual Integrations
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#57

Fluorene

Concen: 2.724 ng

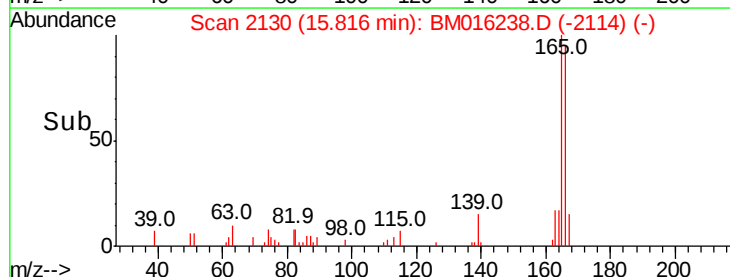
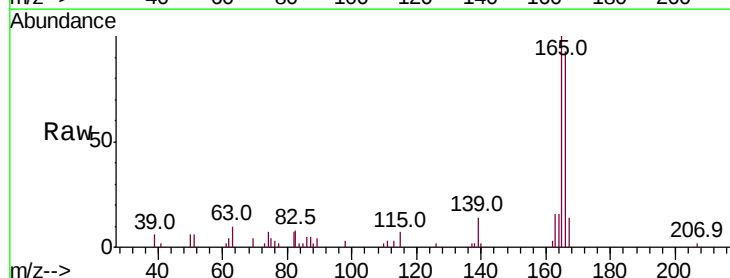
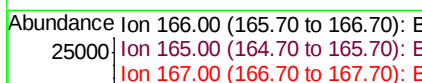
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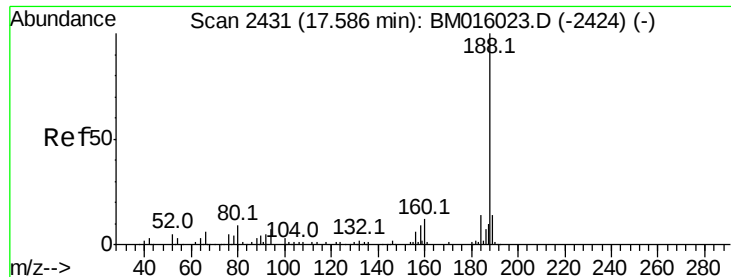
Delta R.T. -0.01 min

Lab File: BM016238.D

Acq: 08 Aug 2018 04:08

Tgt Ion:	166	Resp:	26053
Ion Ratio	Lower	Upper	
166	100		
165	107.9	79.0	118.4
167	15.5	10.3	15.5#





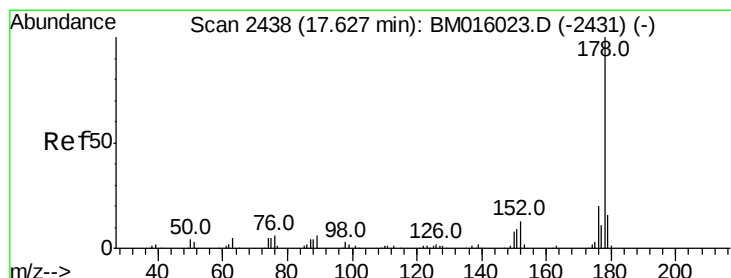
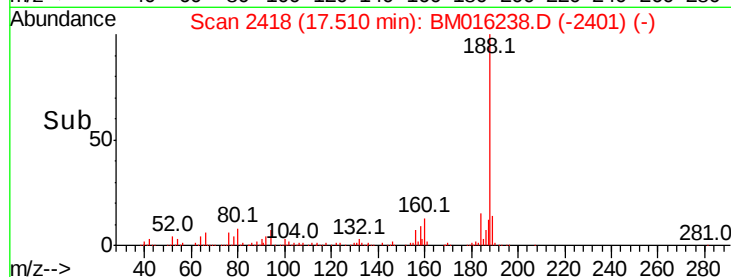
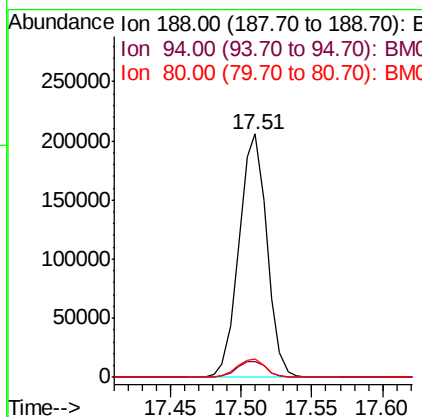
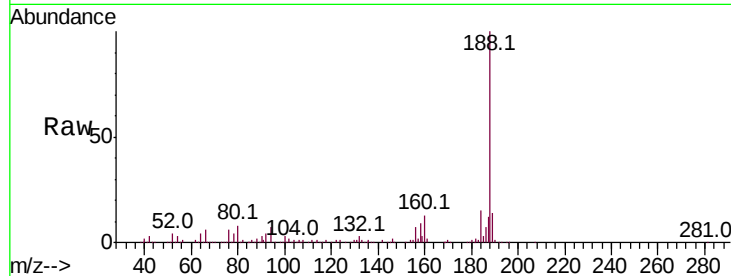
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.51 min Scan# 2418
Delta R.T. 0.00 min
Lab File: BM016238.D
Acq: 08 Aug 2018 04:08

Instrument :
BNA_M
ClientSampled :
C-2

Tot Ion	Ratio	Resp	Lower	Upper
188	100	283747		
94	6.6	8.7	13.1#	
80	7.7	9.3	13.9#	

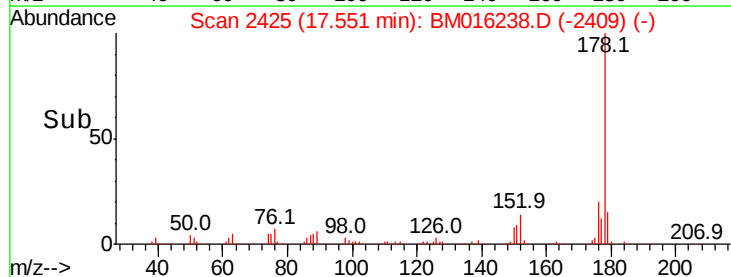
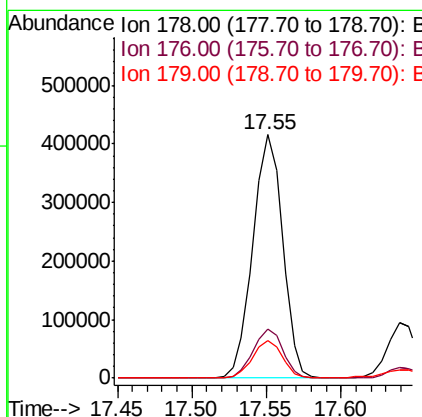
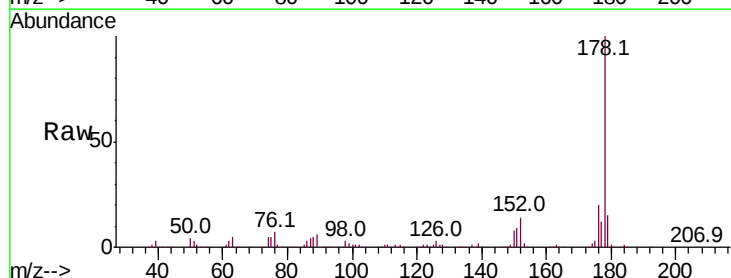
Manual Integrations
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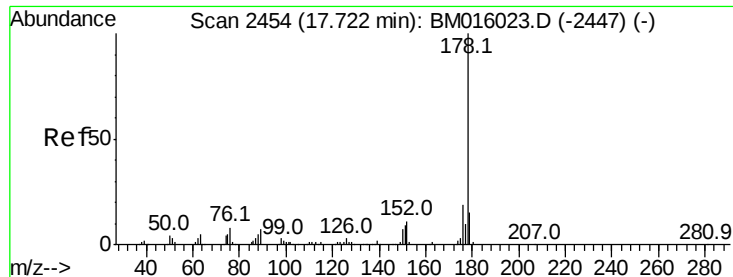
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#70
Phenanthrene
Concen: 36.172 ng
RT: 17.55 min Scan# 2425
Delta R.T. -0.01 min
Lab File: BM016238.D
Acq: 08 Aug 2018 04:08

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	574619		
176	20.1	15.2	22.8	
179	15.2	12.1	18.1	





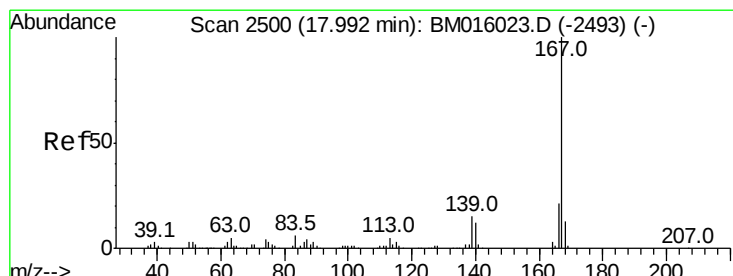
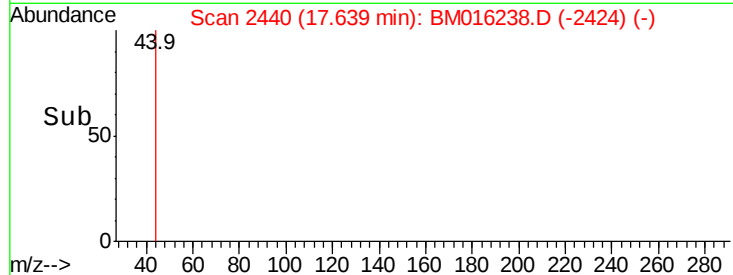
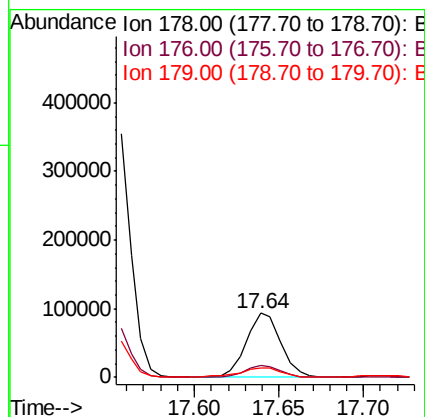
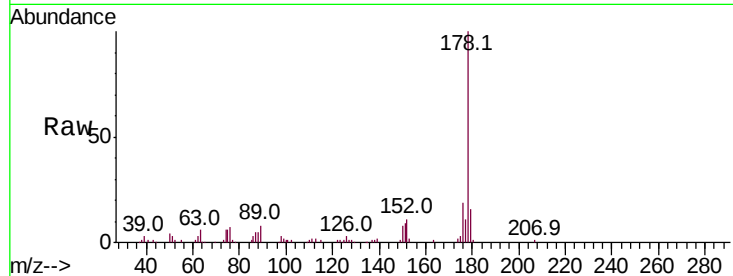
#71
 Anthracene
 Concen: 8.398 ng
 RT: 17.64 min Scan# 2440
 Delta R.T. -0.01 min
 Lab File: BM016238.D
 Acq: 08 Aug 2018 04:08

Instrument :
 BNA_M
 ClientSampled :
 C-2

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.6	22.0
179	15.5	12.6	19.0

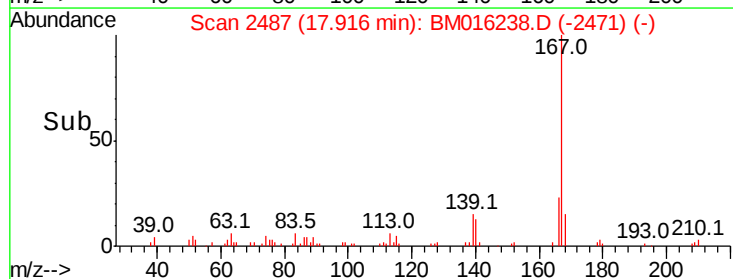
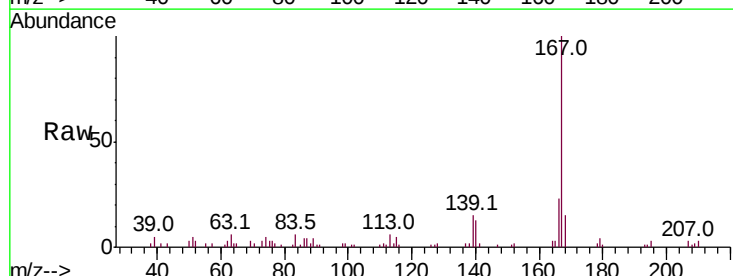
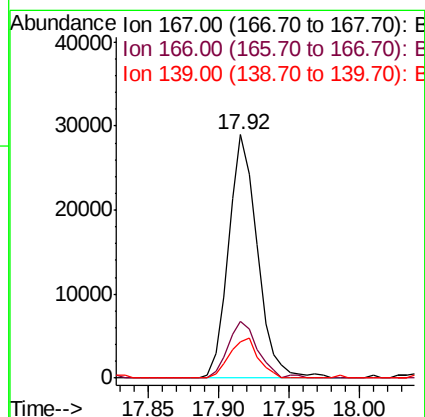
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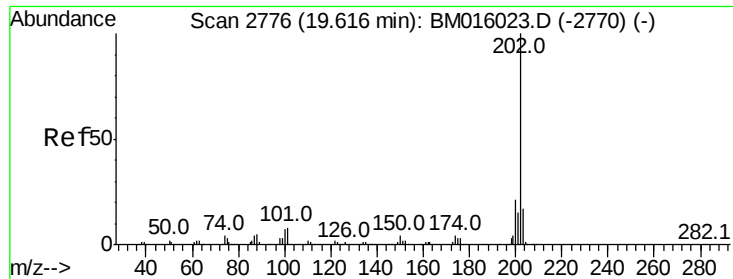
Sohil
 8/8/2018 5:35:10 PM



#72
 Carbazole
 Concen: 2.571 ng
 RT: 17.92 min Scan# 2487
 Delta R.T. -0.01 min
 Lab File: BM016238.D
 Acq: 08 Aug 2018 04:08

Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.5	17.2	25.8
139	14.7	10.8	16.2





#74

Fluoranthene

Concen: 54.924 ng

RT: 19.54 min Scan# 2764

Delta R.T. 0.00 min

Lab File: BM016238.D

Acq: 08 Aug 2018 04:08

Instrument :

BNA_M

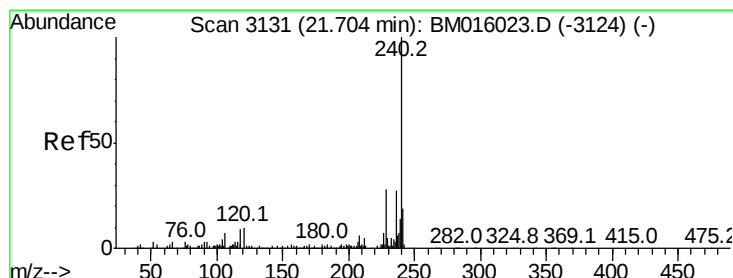
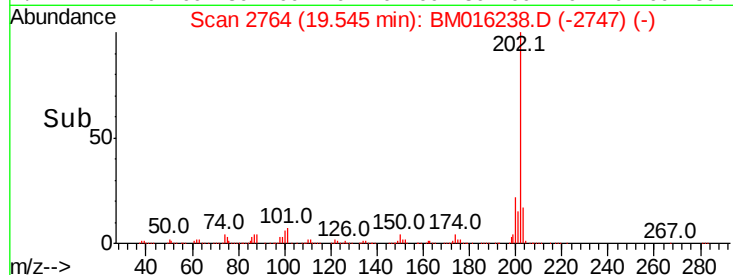
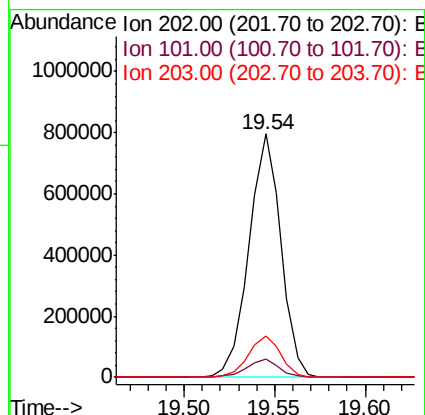
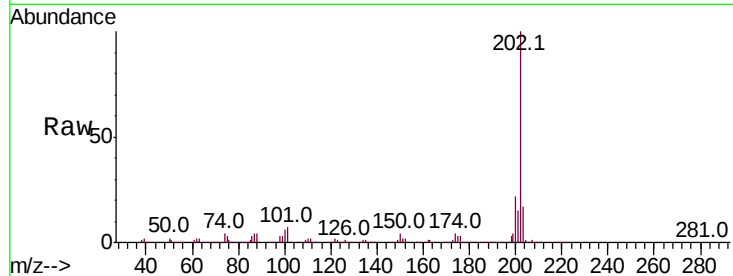
ClientSampled :

C-2

Tot Ion	Ratio	Resp	Lower	Upper
202	100	973277		
101	7.5	0.0	28.7	
203	17.2	0.0	37.2	

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#75

Chrysene-d12

Concen: 20.000 ng

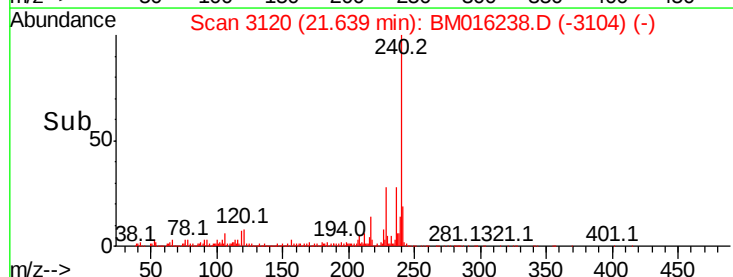
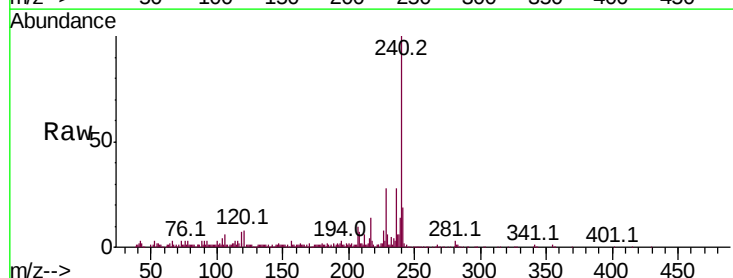
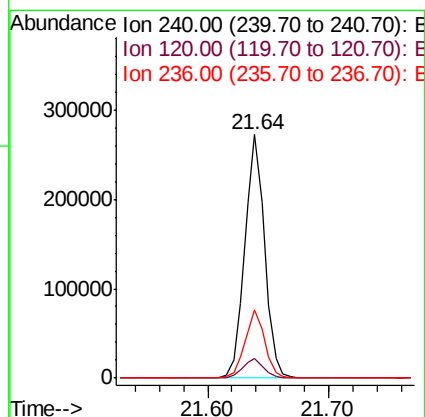
RT: 21.64 min Scan# 3120

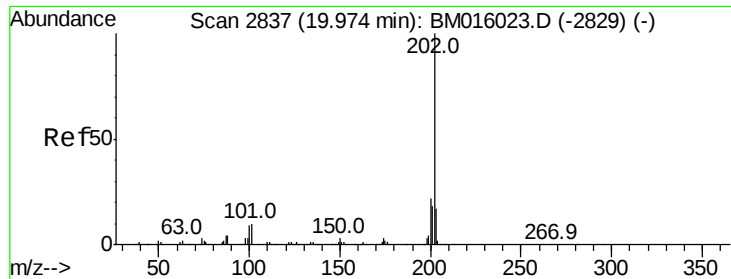
Delta R.T. -0.01 min

Lab File: BM016238.D

Acq: 08 Aug 2018 04:08

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	314040		
120	8.0	8.2	12.2#	
236	27.8	20.0	30.0	





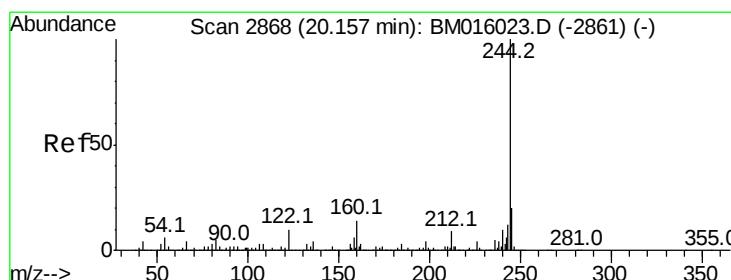
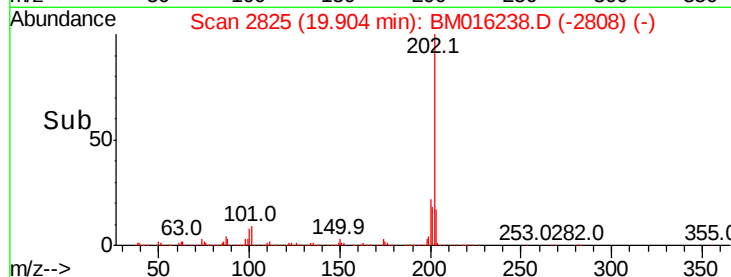
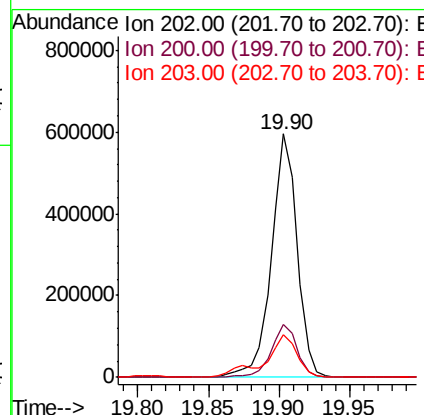
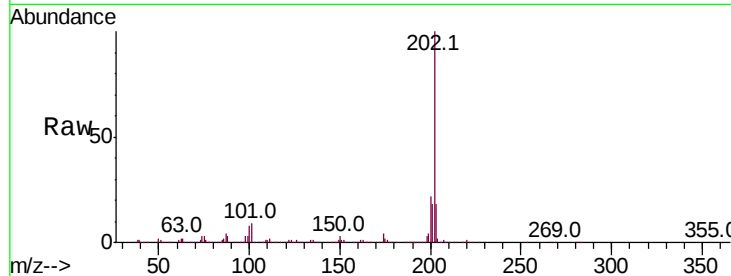
#77
Pvrene
Concen: 40.415 ng
RT: 19.90 min Scan# 2825
Delta R.T. 0.00 min
Lab File: BM016238.D
Acq: 08 Aug 2018 04:08

Instrument :
BNA_M
ClientSampleId :
C-2

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.7	16.9	25.3
203	17.7	14.1	21.1

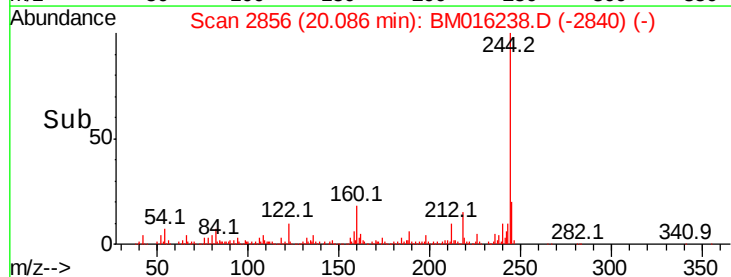
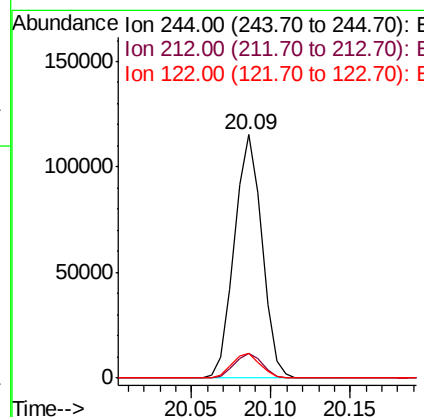
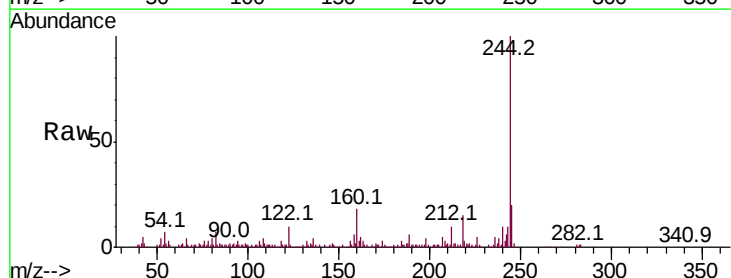
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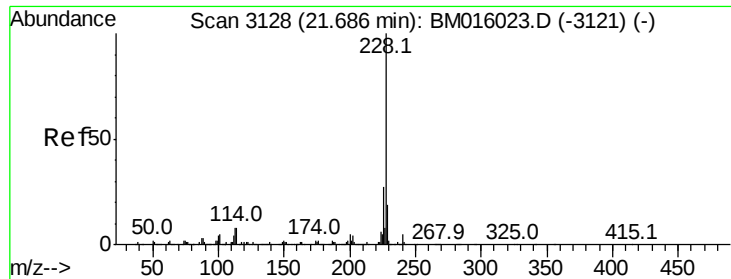
Sohil
8/8/2018 5:35:10 PM



#78
Terphenyl-d14
Concen: 40.415 ng
RT: 20.09 min Scan# 2856
Delta R.T. -0.01 min
Lab File: BM016238.D
Acq: 08 Aug 2018 04:08

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	10.3	4.9	7.3#
122	10.1	6.2	9.4#





#80

Benzo(a)anthracene

Concen: 22.727 ng

RT: 21.62 min Scan# 3117

Delta R.T. -0.01 min

Lab File: BM016238.D

Acq: 08 Aug 2018 04:08

Instrument :

BNA_M

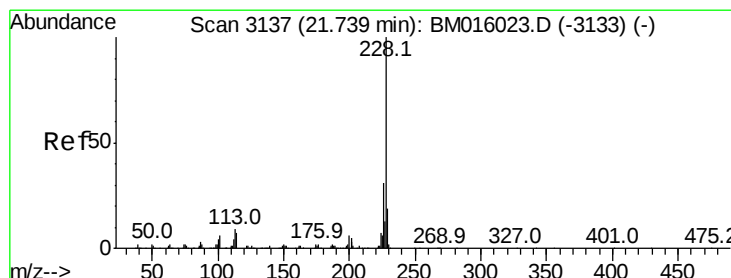
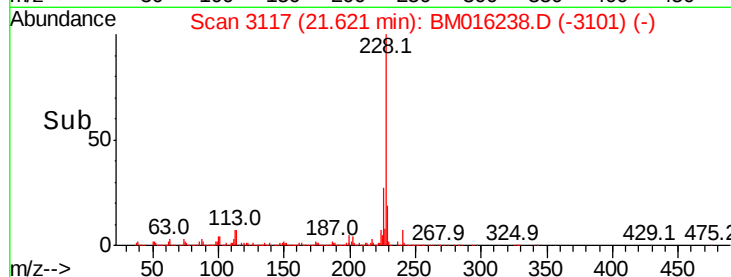
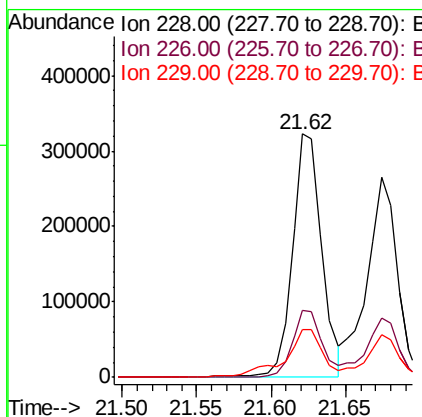
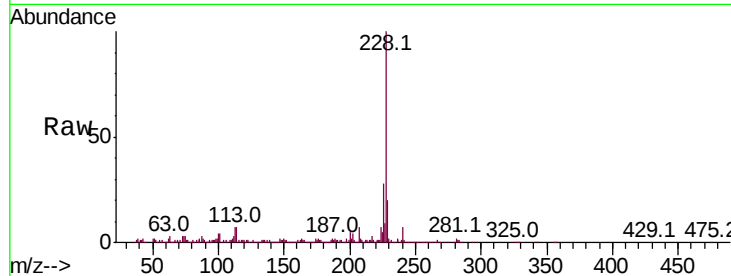
ClientSampleId :

C-2

Tot Ion:	228	Resp:	439579
Ion Ratio	Lower	Upper	
228	100		
226	27.6	21.7	32.5
229	19.8	16.0	24.0

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#82

Chrysene

Concen: 19.767 ng

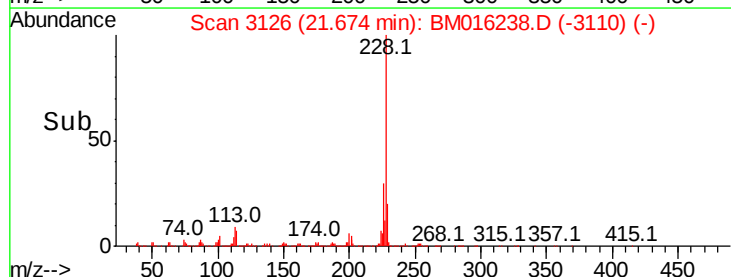
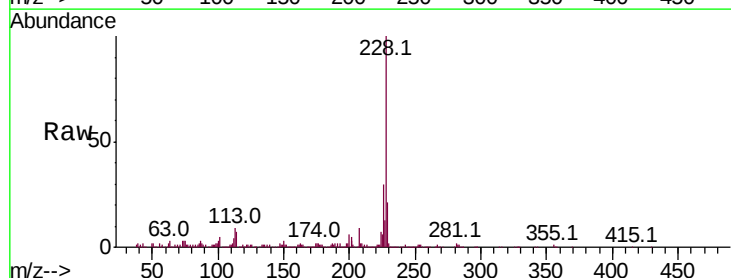
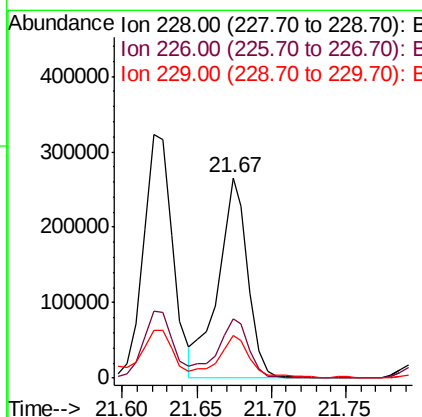
RT: 21.67 min Scan# 3126

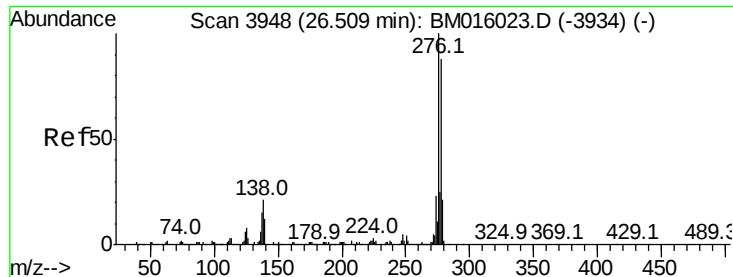
Delta R.T. -0.01 min

Lab File: BM016238.D

Acq: 08 Aug 2018 04:08

Tgt Ion:	228	Resp:	366762
Ion Ratio	Lower	Upper	
228	100		
226	29.8	24.1	36.1
229	21.2	15.5	23.3





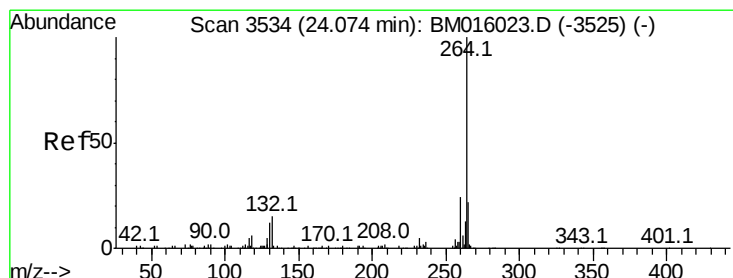
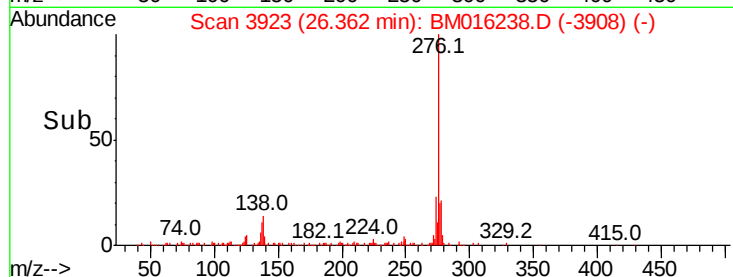
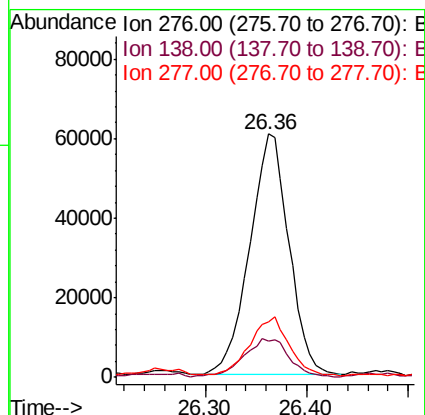
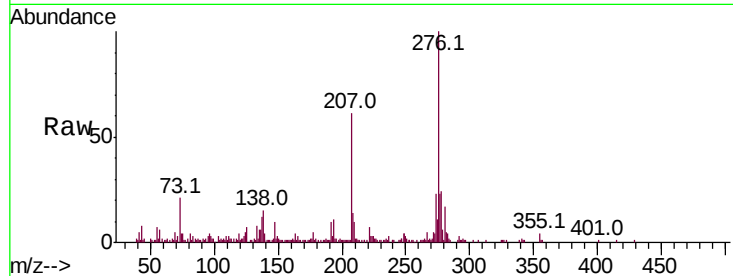
#85
Indeno(1,2,3-cd)pyrene
Concen: 7.355 ng
RT: 26.36 min Scan# 3923
Delta R.T. -0.01 min
Lab File: BM016238.D
Acq: 08 Aug 2018 04:08

Instrument :
BNA_M
ClientSampled :
C-2

Tot Ion:	276	Resp:	161927
Ion Ratio	Lower	Upper	
276	100		
138	18.9	12.0	18.0#
277	24.7	20.0	30.0

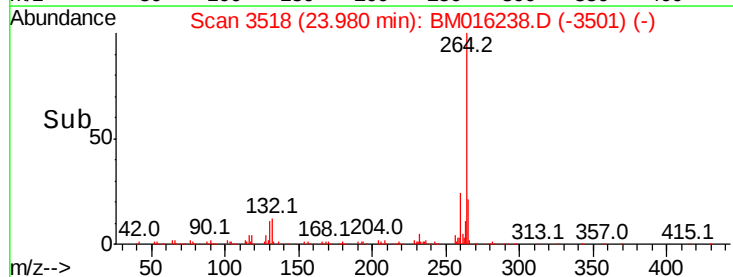
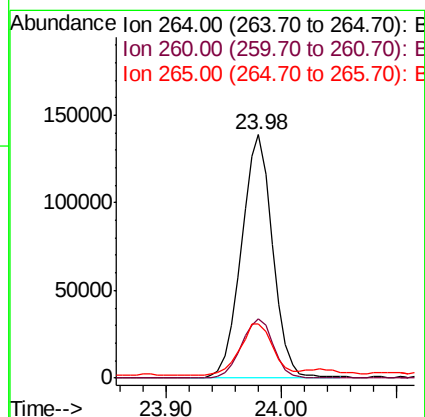
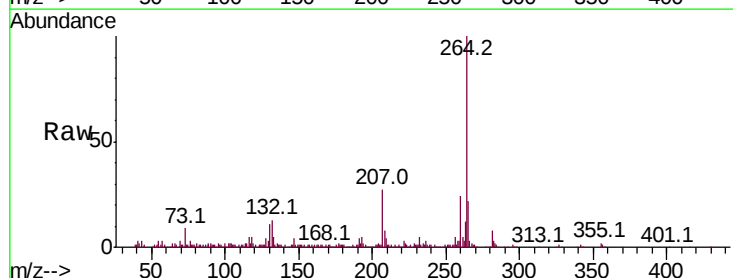
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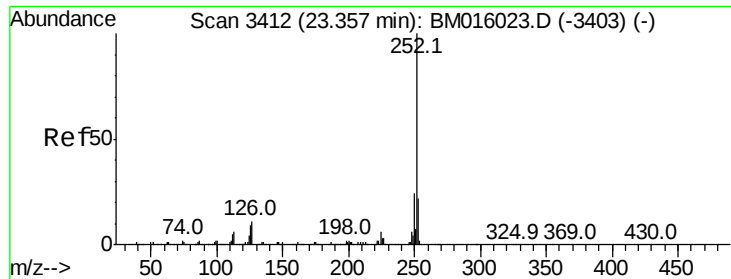
Sohil
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#86
Perylene-d12
Concen: 20.000 ng
RT: 23.98 min Scan# 3518
Delta R.T. 0.00 min
Lab File: BM016238.D
Acq: 08 Aug 2018 04:08

Tgt Ion:	264	Resp:	261133
Ion Ratio	Lower	Upper	
264	100		
260	24.1	18.6	27.8
265	22.3	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 26.807 ng

RT: 23.27 min Scan# 3398

Delta R.T. 0.00 min

Lab File: BM016238.D

Acq: 08 Aug 2018 04:08

Instrument :

BNA_M

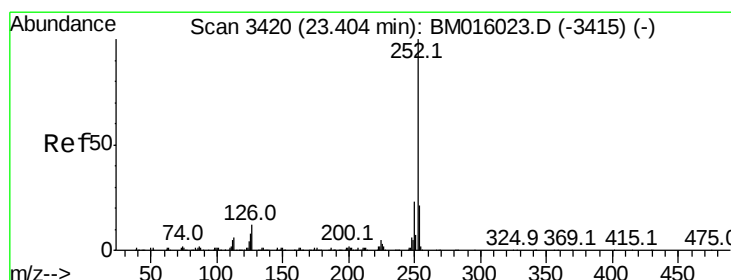
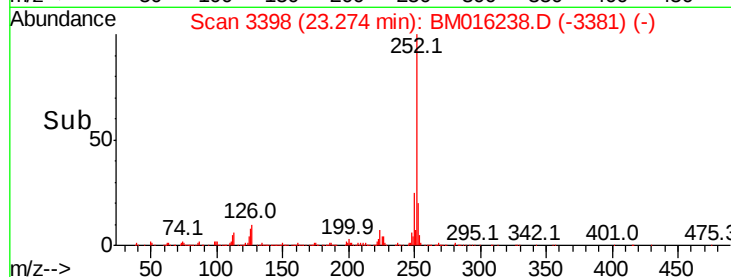
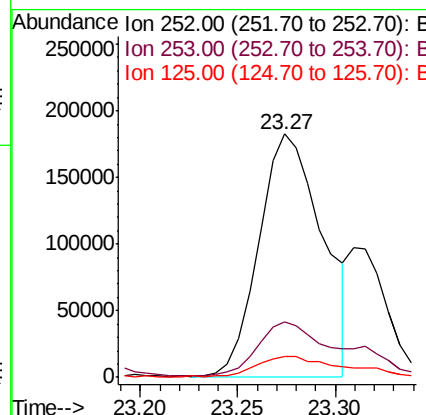
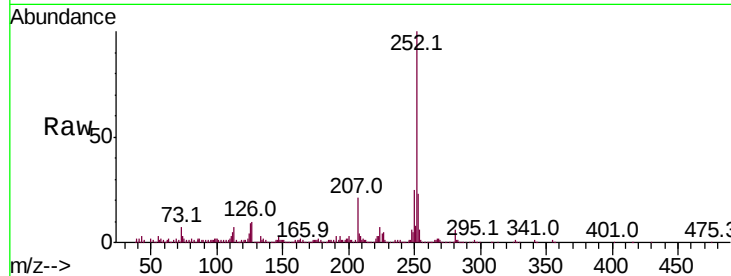
ClientSampled :

C-2

Tot Ion:	252	Resp:	412158
Ion Ratio	Lower	Upper	
252	100		
253	22.7	18.0	27.0
125	8.7	9.9	14.9#

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 8.296 ng m

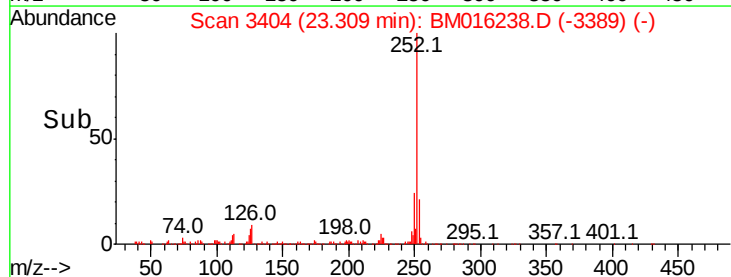
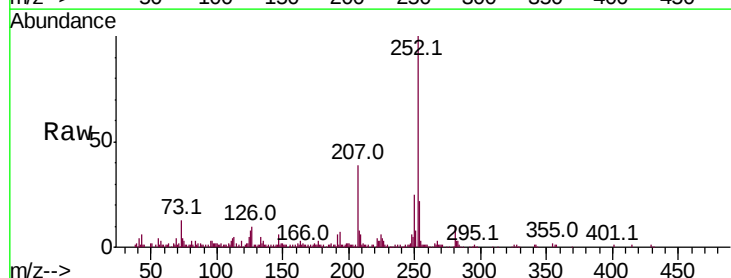
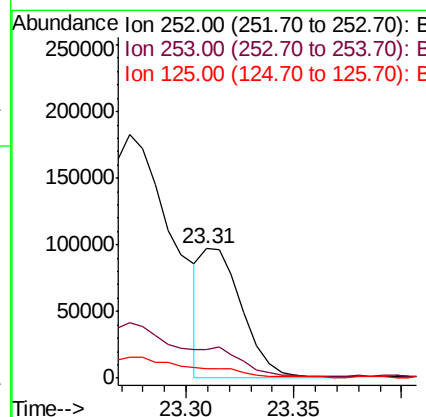
RT: 23.31 min Scan# 3404

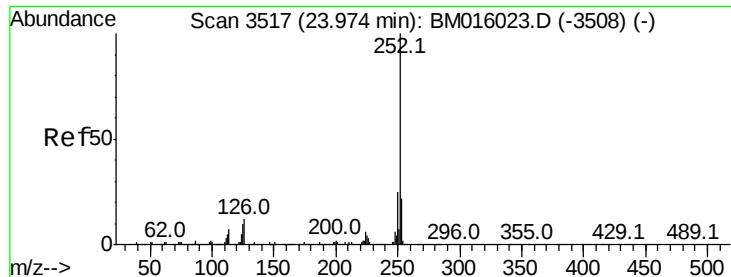
Delta R.T. -0.01 min

Lab File: BM016238.D

Acq: 08 Aug 2018 04:08

Tgt Ion:	252	Resp:	129273
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.2	25.8
125	7.7	8.1	12.1#





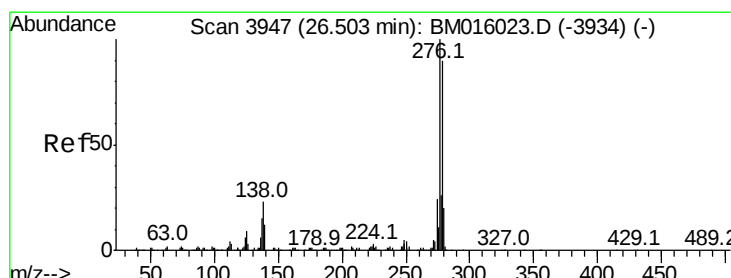
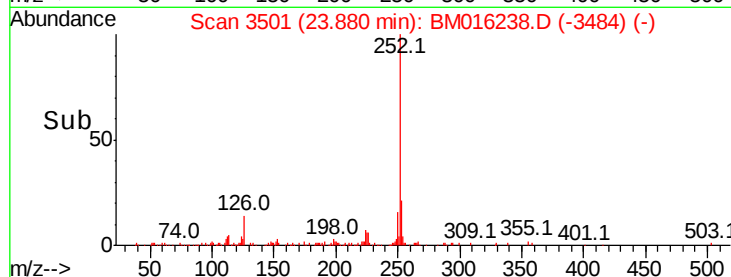
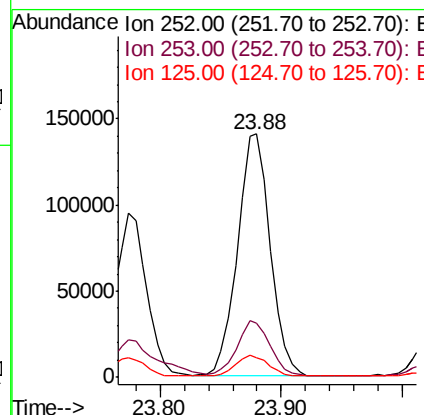
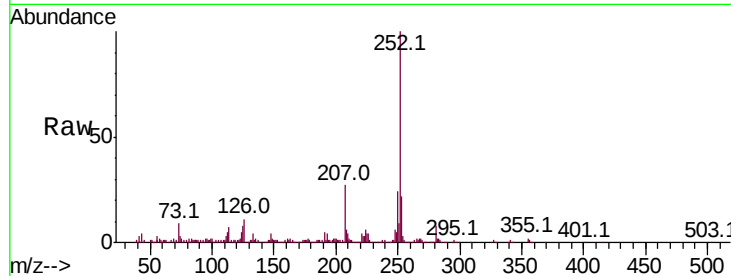
#89
Benzo(a)pyrene
Concen: 17.932 ng
RT: 23.88 min Scan# 3501
Delta R.T. 0.00 min
Lab File: BM016238.D
Acq: 08 Aug 2018 04:08

Instrument :
BNA_M
ClientSampled :
C-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.6	26.4
125	8.3	7.4	11.2

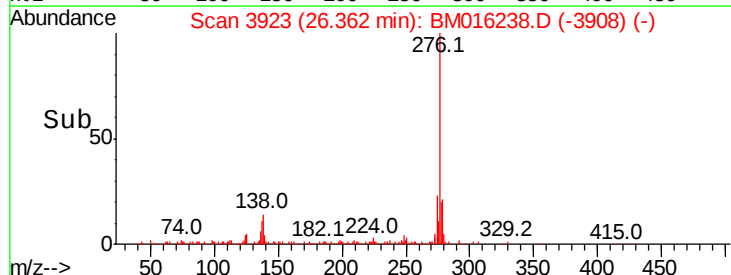
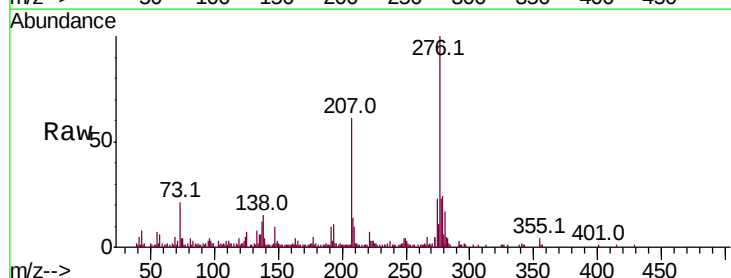
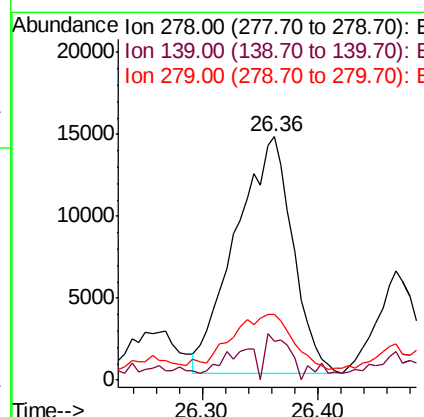
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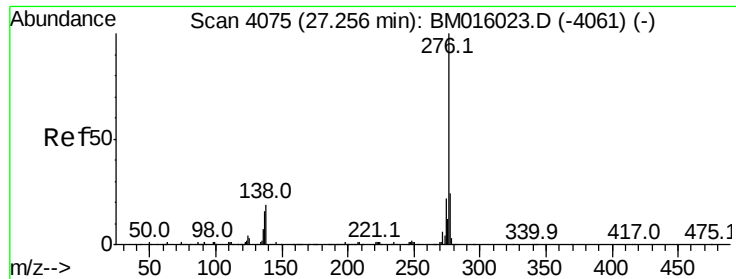
Sohil
8/8/2018 5:35:10 PM



#90
Dibenzo(a,h)anthracene
Concen: 3.259 ng
RT: 26.36 min Scan# 3923
Delta R.T. -0.01 min
Lab File: BM016238.D
Acq: 08 Aug 2018 04:08

Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.0	13.4	20.0
279	26.7	19.0	28.4





#91
Benzo(a,h,i)perylene
Concen: 10.135 ng
RT: 27.10 min Scan# 4048
Delta R.T. -0.01 min
Lab File: BM016238.D
Acq: 08 Aug 2018 04:08

Instrument :
BNA_M
ClientSampleId :
C-2

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.3	18.5	27.7
138	15.7	19.0	28.6

Manual Integrations
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