

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080818\
 Data File : BM016254.D
 Acq On : 08 Aug 2018 17:41
 Operator : SJ/JU
 Sample : J4313-13
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C-11

Manual Integrations
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Quant Time: Aug 09 04:31:32 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	45331	20.00	ng	0.00
21) Naphthalene-d8	10.95	136	159131	20.00	ng	0.00
38) Acenaphthene-d10	14.77	164	76761	20.00	ng	0.00
63) Phenanthrene-d10	17.50	188	146795	20.00	ng	0.00
75) Chrysene-d12	21.64	240	164629	20.00	ng	0.00
86) Perylene-d12	23.98	264	184499	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	329543	120.76	ng	0.00
7) Phenol-d6	7.30	99	392318	110.08	ng	0.00
23) Nitrobenzene-d5	9.32	82	291713	85.26	ng	0.00
41) 2,4,6-Tribromophenol	16.26	330	108290	111.23	ng	0.00
44) 2-Fluorobiphenyl	13.39	172	524264	83.10	ng	0.00
78) Terphenyl-d14	20.09	244	673349	85.62	ng	0.00
Target Compounds						
49) Dimethylphthalate	14.23	163	37078	5.519	ng	99
70) Phenanthrene	17.55	178	164743	20.045	ng	99
71) Anthracene	17.64	178	41144	5.151	ng	99
72) Carbazole	17.92	167	16648	2.012	ng	98
74) Fluoranthene	19.54	202	275520	30.054	ng	98
77) Pyrene	19.90	202	240078	24.335	ng	99
80) Benzo(a)anthracene	21.62	228	152598	15.050	ng	99
82) Chrysene	21.67	228	131234	13.492	ng	98
83) Bis(2-ethylhexyl)phthalate	21.51	149	15082	2.076	ng	# 97
85) Indeno(1,2,3-cd)pyrene	26.36	276	92768	8.037	ng	# 96
87) Benzo(b)fluoranthene	23.27	252	190270m	17.516	ng	
88) Benzo(k)fluoranthene	23.31	252	61644m	5.599	ng	
89) Benzo(a)pyrene	23.88	252	135663	12.991	ng	98
90) Dibenzo(a,h)anthracene	26.36	278	27067	2.502	ng	# 94
91) Benzo(a,h,i)perylene	27.10	276	88581	8.656	ng	# 92

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

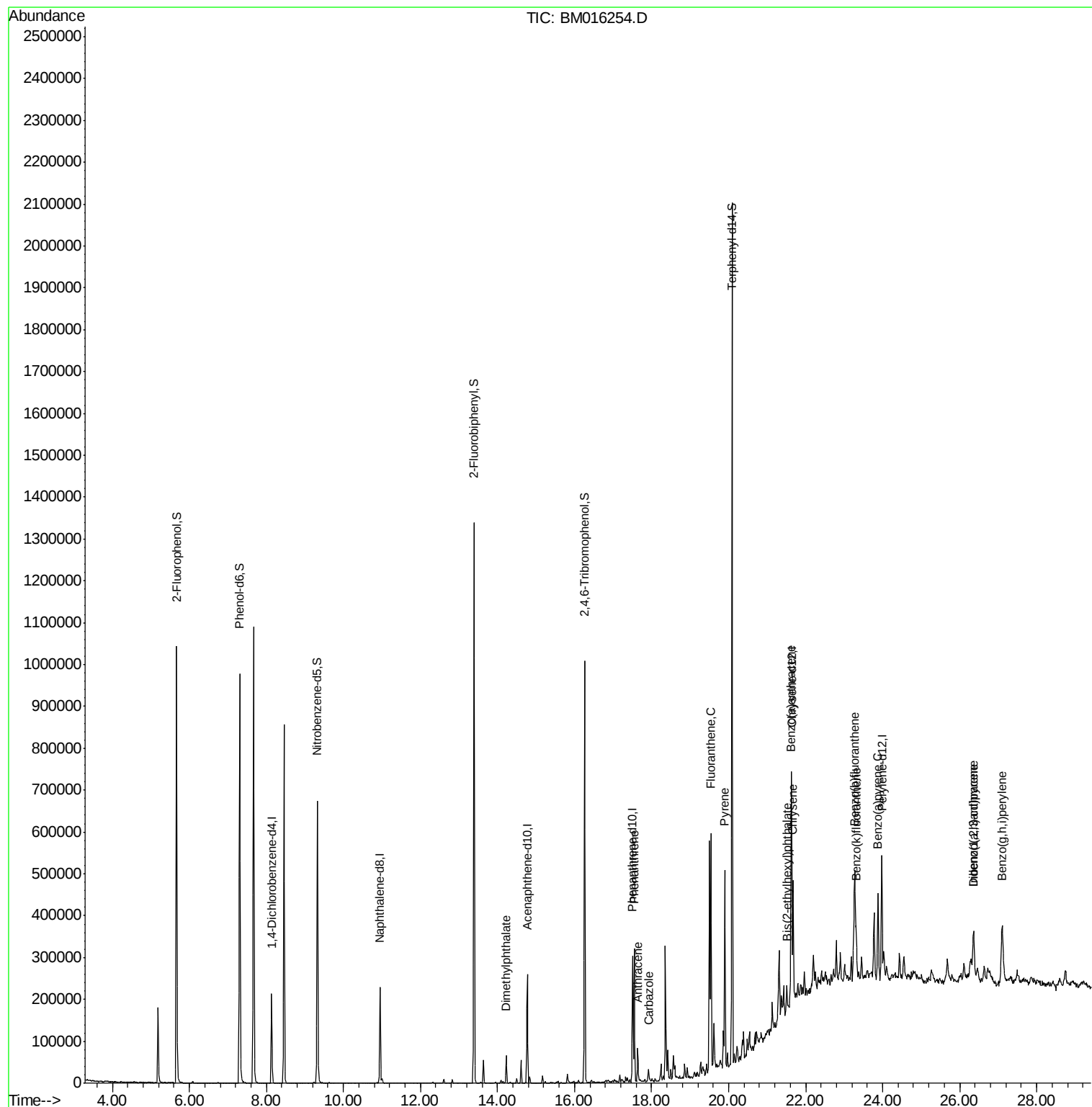
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080818\
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ALS Vial : 12 Sample Multiplier: 1

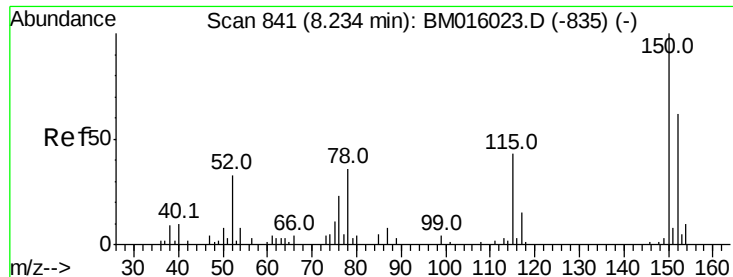
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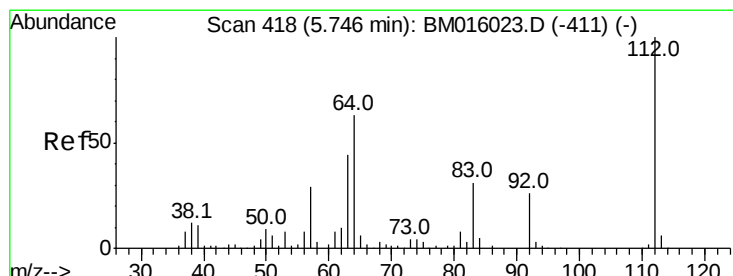
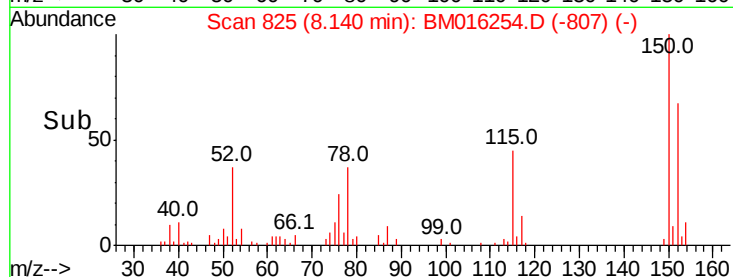
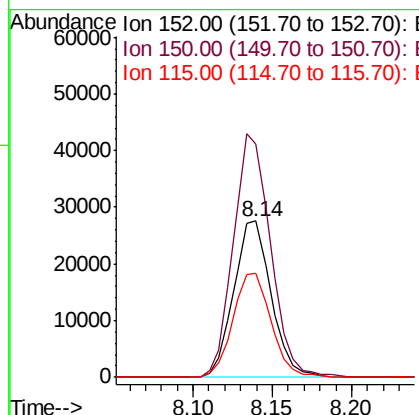
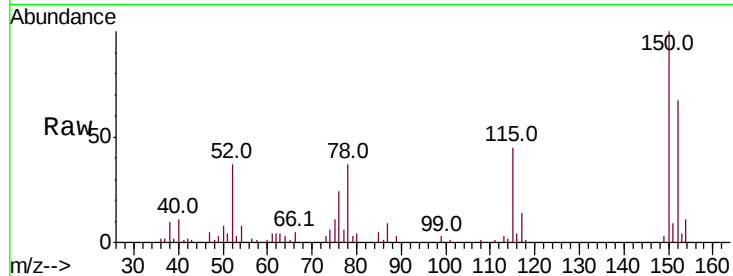
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.14 min Scan# 825
 Delta R.T. 0.01 min
 Lab File: BM016254.D
 Acq: 08 Aug 2018 17:41

Instrument :
 BNA_M
 ClientSampled :
 C-11

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.7	119.5	179.3
115	66.6	43.0	64.4#

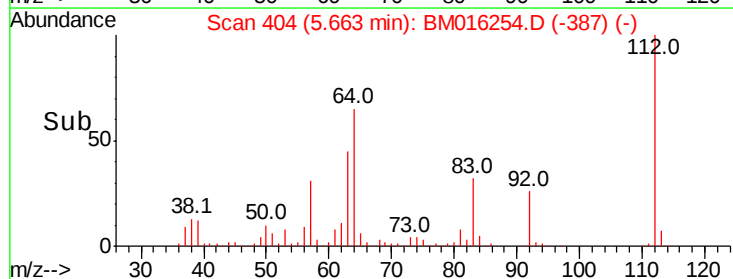
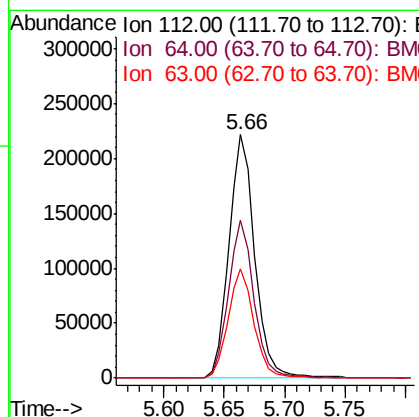
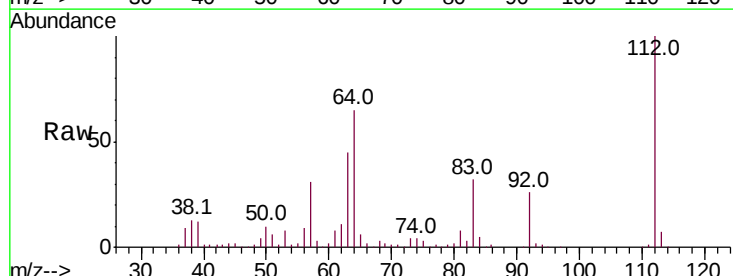
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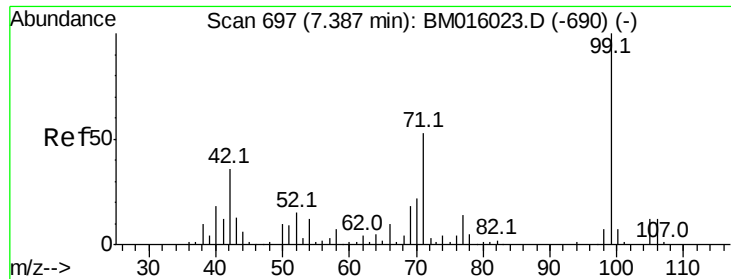
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#5
 2-Fluorophenol
 Concen: Below ng
 RT: 5.66 min Scan# 404
 Delta R.T. 0.00 min
 Lab File: BM016254.D
 Acq: 08 Aug 2018 17:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.8	38.6	57.8#
63	45.1	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: BM016254.D

Acq: 08 Aug 2018 17:41

Instrument :

BNA_M

ClientSampled :

C-11

Tot Ion: 99 Resp: 392318
Ion Ratio Lower Upper

99 100

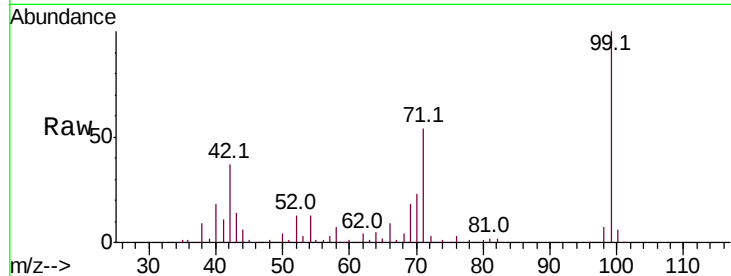
42 37.1 11.0 16.4#

71 53.9 23.4 35.2#

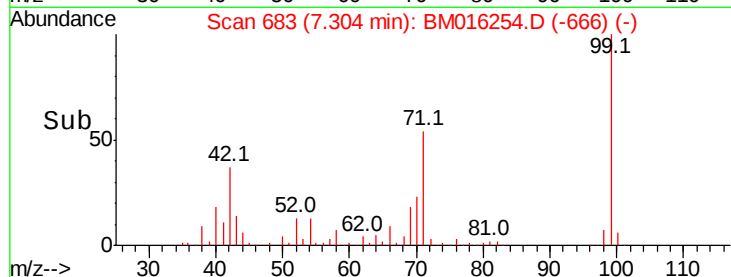
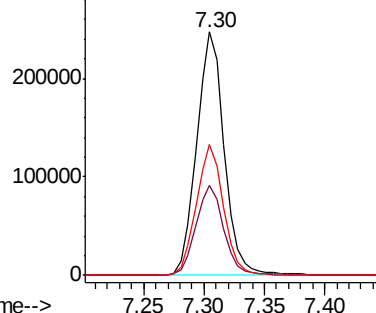
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Abundance Ion 99.00 (98.70 to 99.70): BM016023.D (-690) (-)
Ion 42.00 (41.70 to 42.70): BM016023.D (-690) (-)
Ion 71.00 (70.70 to 71.70): BM016023.D (-690) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.95 min Scan# 1303

Delta R.T. 0.00 min

Lab File: BM016254.D

Acq: 08 Aug 2018 17:41

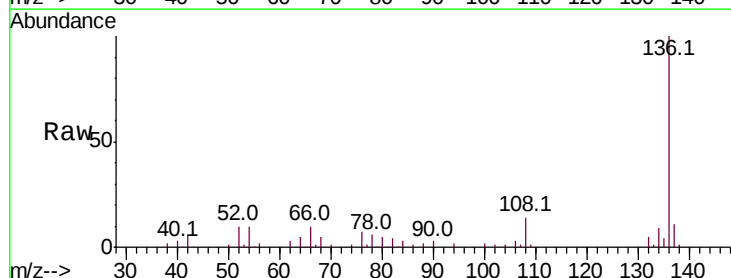
Tgt Ion: 136 Resp: 159131
Ion Ratio Lower Upper

136 100

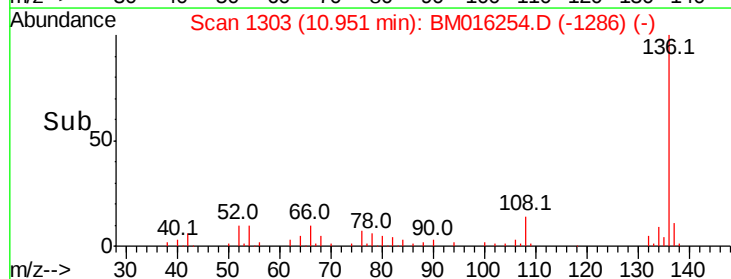
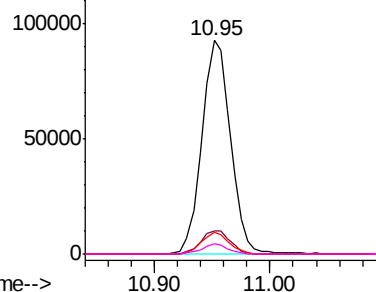
137 10.6 8.7 13.1

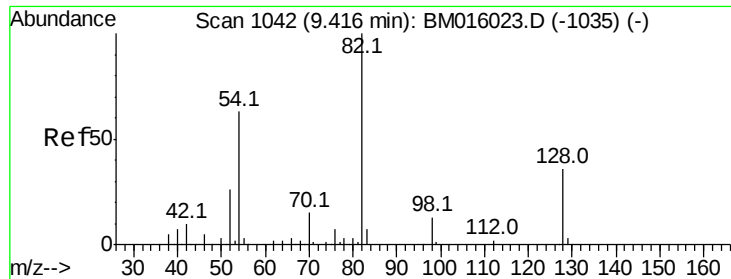
54 10.4 4.6 6.8#

68 4.6 3.7 5.5



Abundance Ion 136.00 (135.70 to 136.70): BM016023.D (-1313) (-)
Ion 137.00 (136.70 to 137.70): BM016023.D (-1313) (-)
Ion 54.00 (53.70 to 54.70): BM016023.D (-1313) (-)
Ion 68.00 (67.70 to 68.70): BM016023.D (-1313) (-)





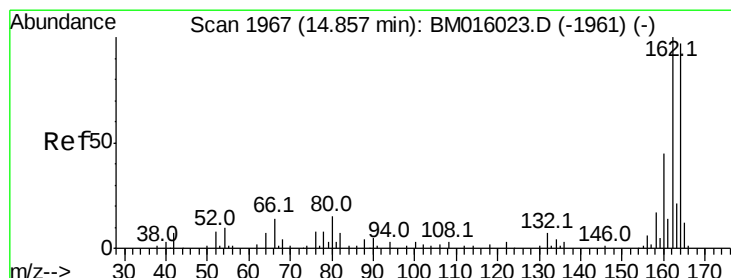
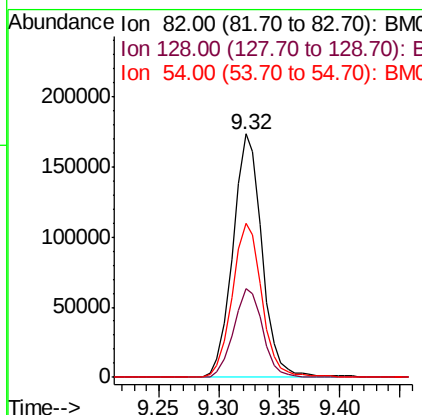
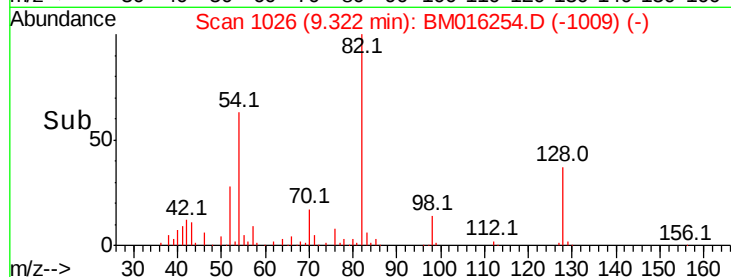
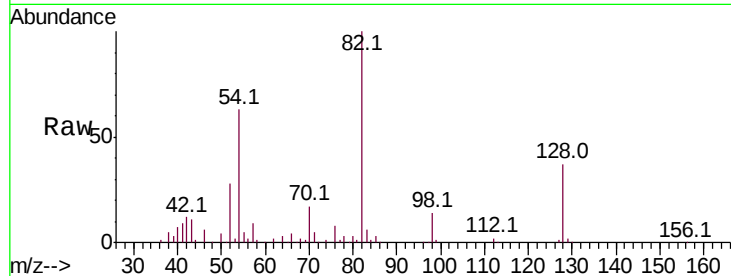
#23
Nitrobenzene-d5
Concen: N.D. ng
RT: 9.32 min Scan# 1026
Delta R.T. 0.00 min
Lab File: BM016254.D
Acq: 08 Aug 2018 17:41

Instrument :
BNA_M
ClientSampled :
C-11

Tot Ion	Ratio	Resp	Lower	Upper
82	100	291713		
128	36.5	32.8	49.2	
54	63.4	40.6	60.8	

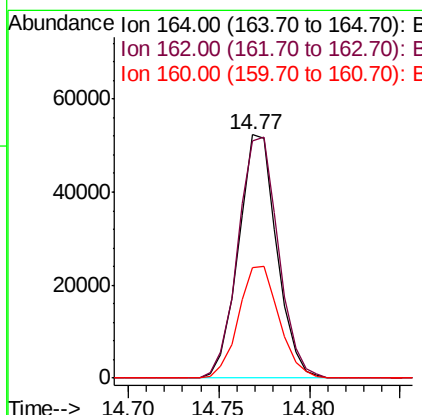
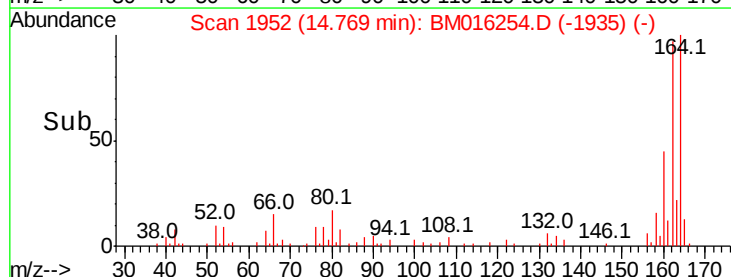
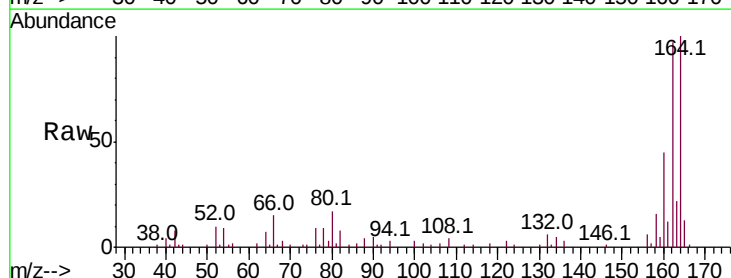
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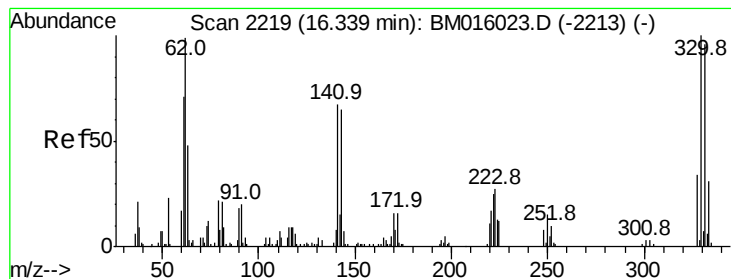
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.77 min Scan# 1952
Delta R.T. 0.00 min
Lab File: BM016254.D
Acq: 08 Aug 2018 17:41

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	76761		
162	97.4	82.4	123.6	
160	45.1	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: BM016254.D

Acq: 08 Aug 2018 17:41

Instrument :

BNA_M

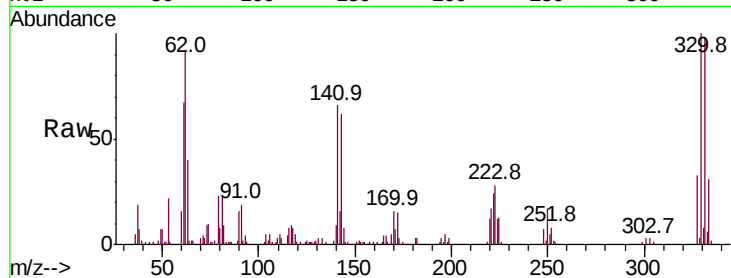
ClientSampled :

C-11

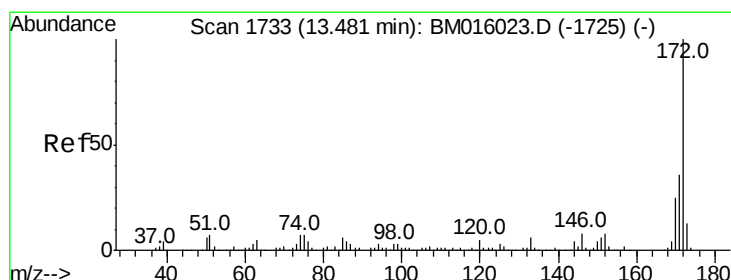
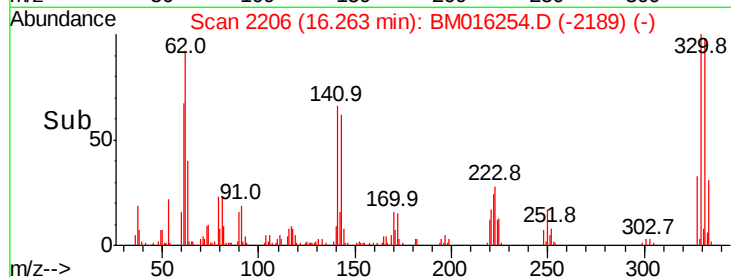
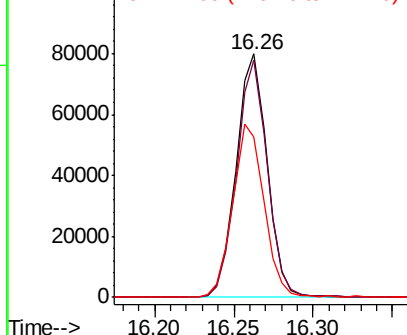
Tot Ion:	330	Resp:	108290
Ion Ratio	Lower	Upper	
330	100		
332	96.3	0.0	0.0#
141	71.8	0.0	0.0#

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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

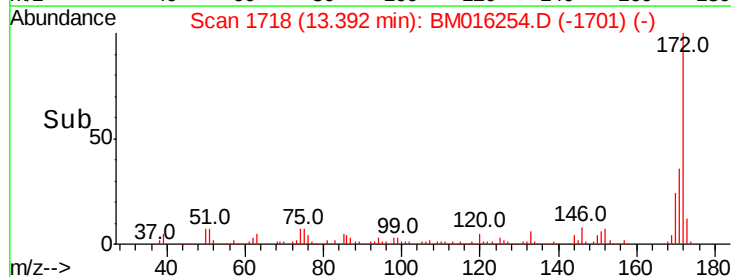
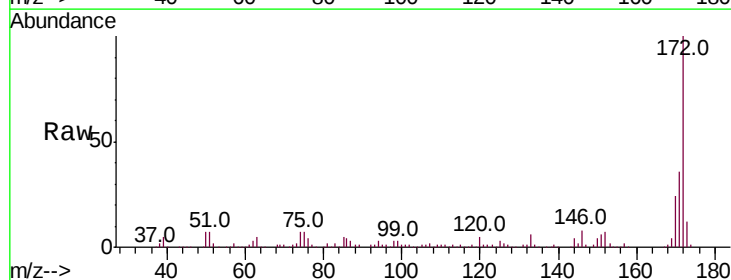
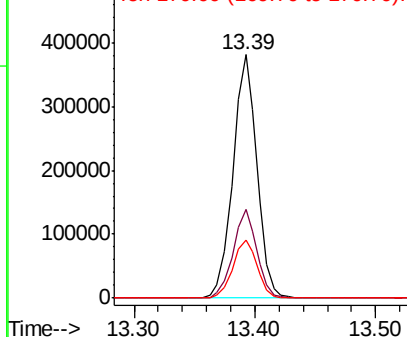
Delta R.T. 0.00 min

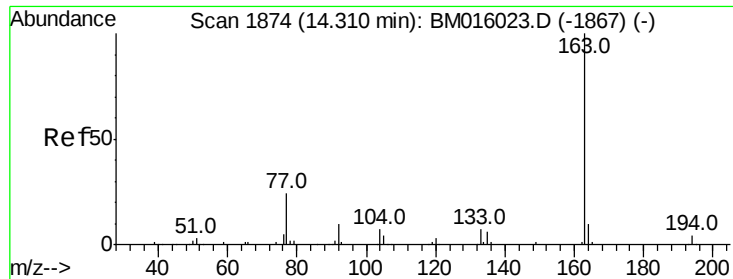
Lab File: BM016254.D

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Tgt Ion:	172	Resp:	524264
Ion Ratio	Lower	Upper	
172	100		
171	36.2	28.5	42.7
170	24.1	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





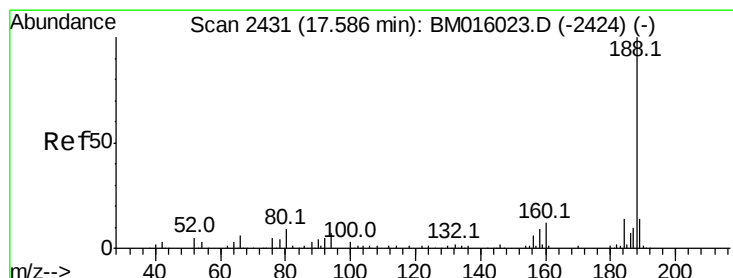
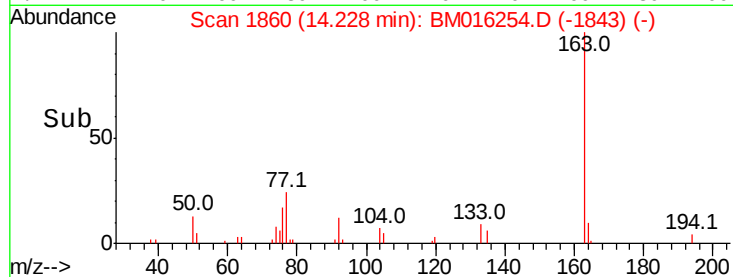
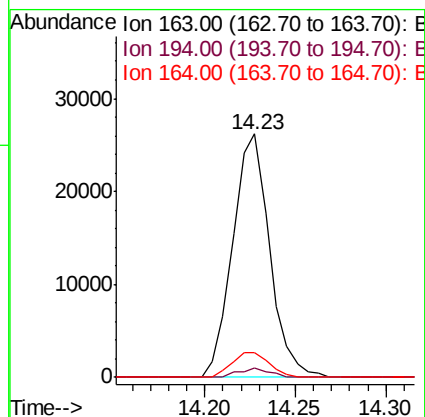
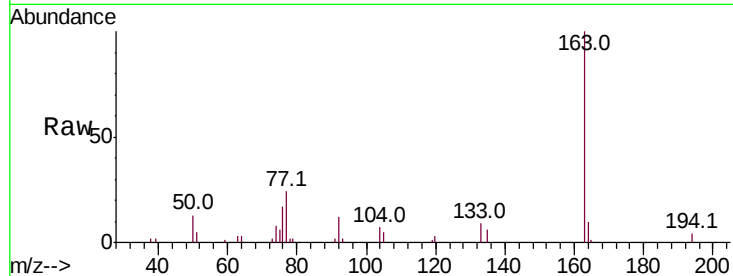
#49
Dimethylphthalate
Concen: 5.519 ng
RT: 14.23 min Scan# 1860
Delta R.T. 0.00 min
Lab File: BM016254.D
Acq: 08 Aug 2018 17:41

Instrument :
BNA_M
ClientSampled :
C-11

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.7	4.1
164	10.0	8.2	12.2

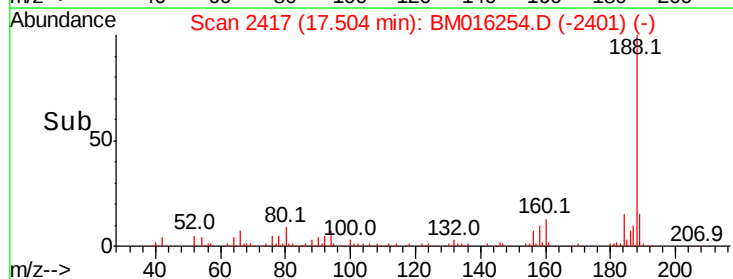
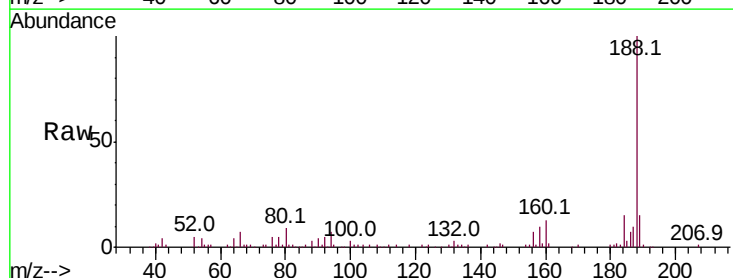
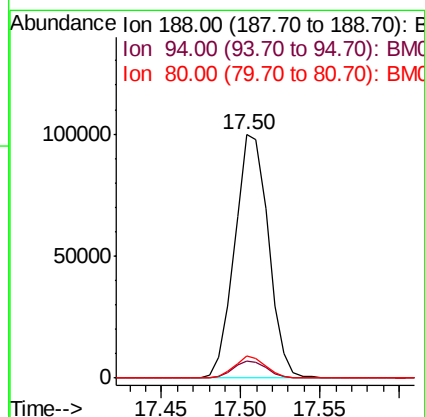
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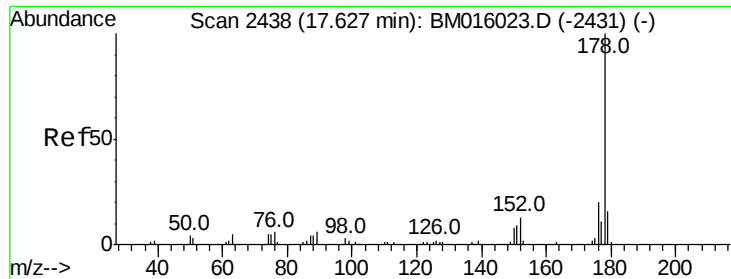
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.50 min Scan# 2417
Delta R.T. -0.01 min
Lab File: BM016254.D
Acq: 08 Aug 2018 17:41

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.0	8.7	13.1#
80	9.2	9.3	13.9#





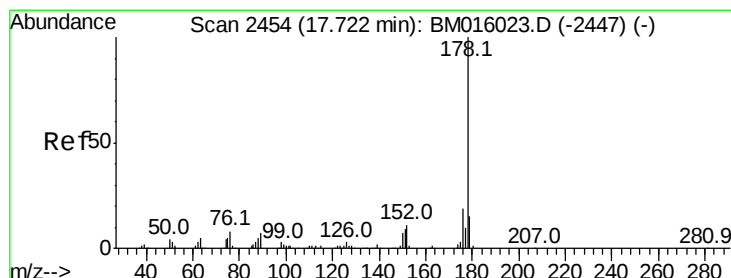
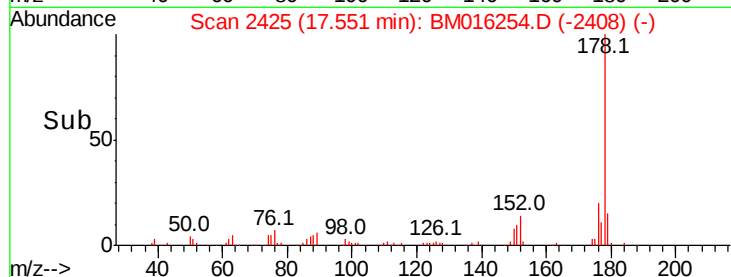
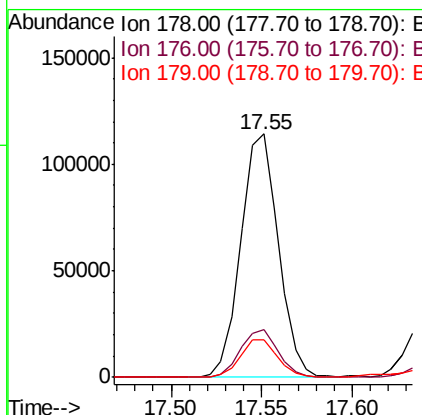
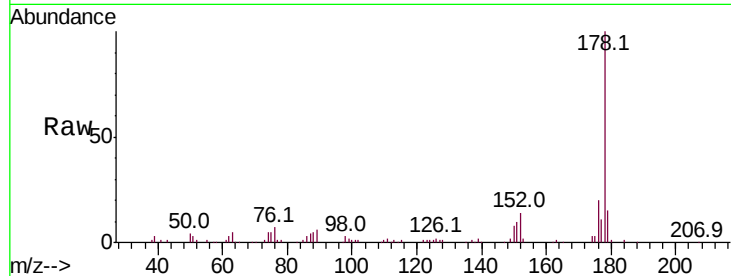
#70
Phenanthrene
Concen: 20.045 ng
RT: 17.55 min Scan# 2425
Delta R.T. 0.00 min
Lab File: BM016254.D
Acq: 08 Aug 2018 17:41

Instrument :
BNA_M
ClientSampled :
C-11

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.2	22.8
179	15.4	12.1	18.1

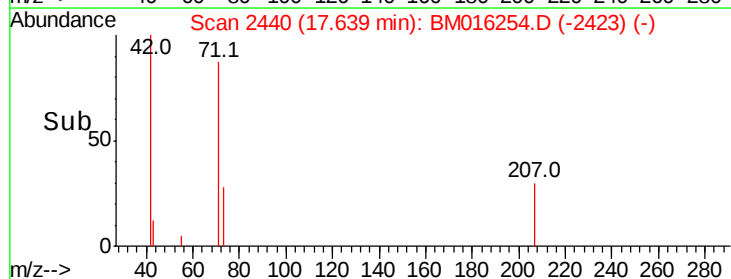
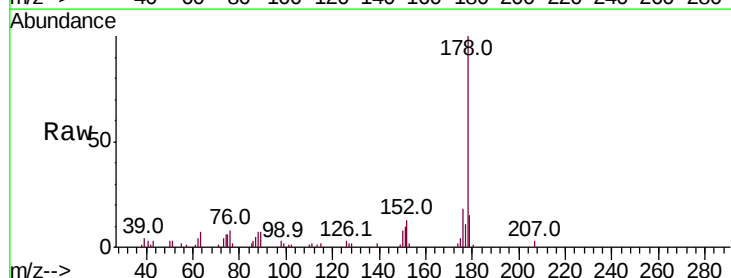
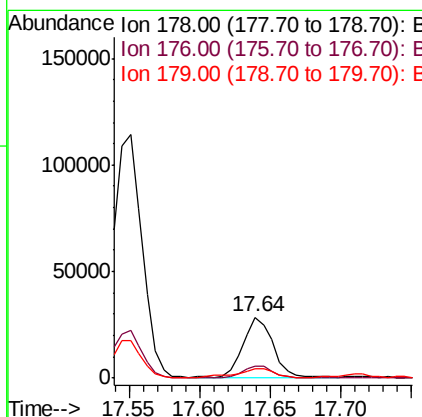
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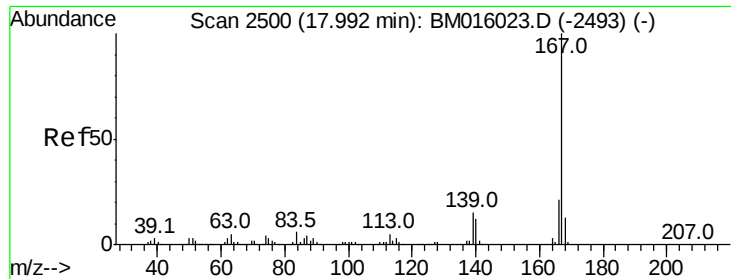
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#71
Anthracene
Concen: 5.151 ng
RT: 17.64 min Scan# 2440
Delta R.T. 0.00 min
Lab File: BM016254.D
Acq: 08 Aug 2018 17:41

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.6	22.0
179	14.7	12.6	19.0





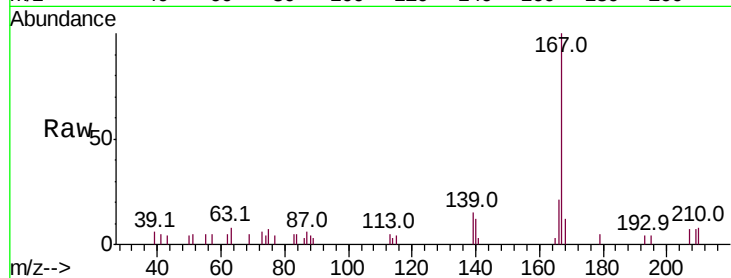
#72
 Carbazole
 Concen: 2.012 ng
 RT: 17.92 min Scan# 2488
 Delta R.T. 0.01 min
 Lab File: BM016254.D
 Acq: 08 Aug 2018 17:41

Instrument :
 BNA_M
 ClientSampled :
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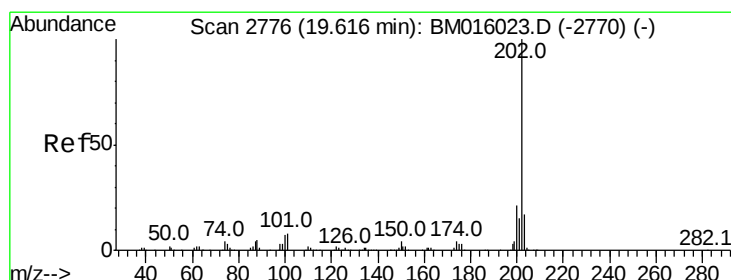
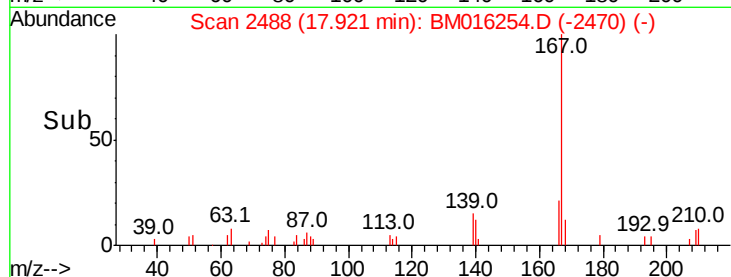
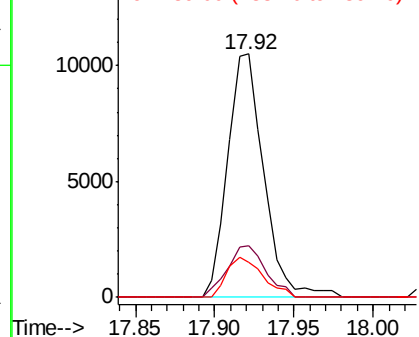
Tot Ion	Ratio	Lower	Upper
167	100		
166	21.0	17.2	25.8
139	14.6	10.8	16.2

Manual Integrations
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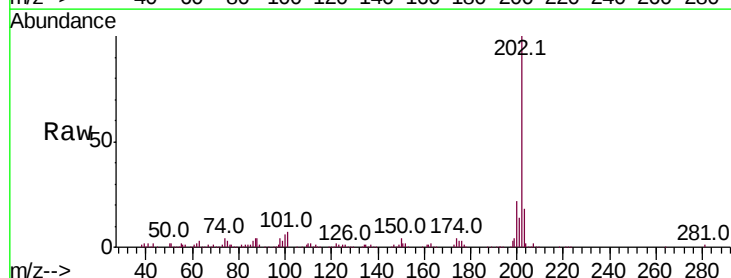


Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E

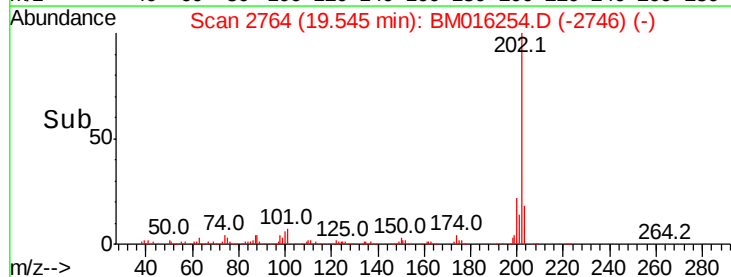
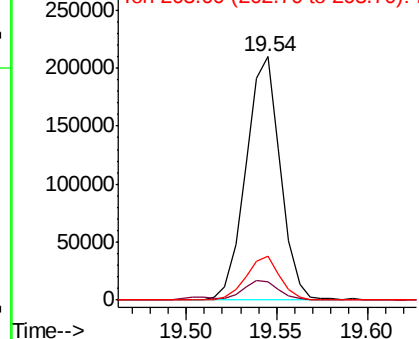


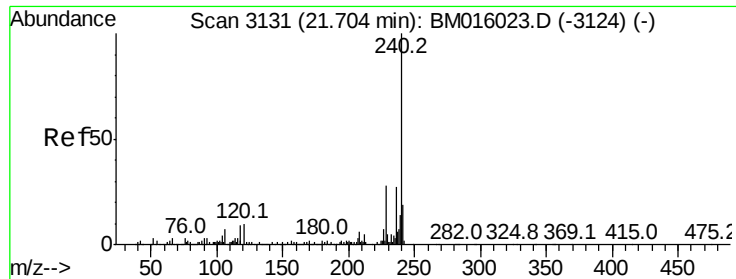
#74
 Fluoranthene
 Concen: 30.054 ng
 RT: 19.54 min Scan# 2764
 Delta R.T. 0.01 min
 Lab File: BM016254.D
 Acq: 08 Aug 2018 17:41

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.3	0.0	28.7
203	17.9	0.0	37.2



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.64 min Scan# 3120

Delta R.T. 0.00 min

Lab File: BM016254.D

Acq: 08 Aug 2018 17:41

Instrument :

BNA_M

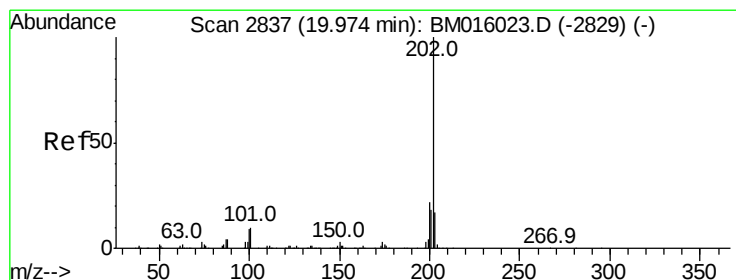
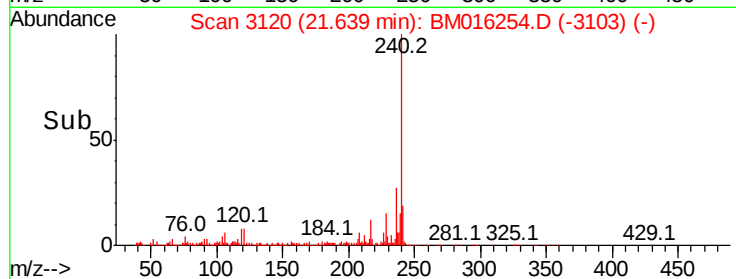
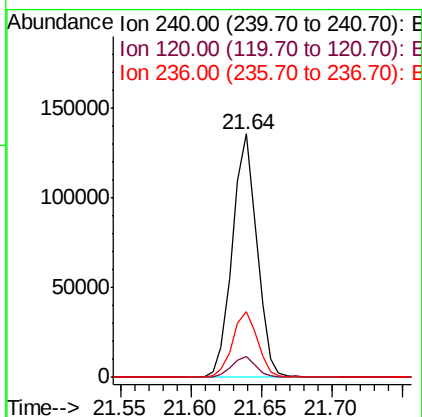
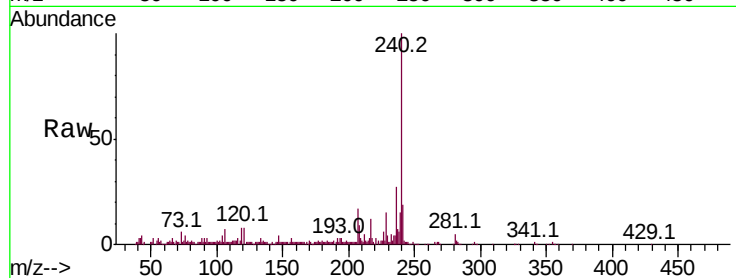
ClientSampled :

C-11

Tot Ion:	240	Resp:	164629
Ion Ratio	Lower	Upper	
240	100		
120	8.3	8.2	12.2
236	26.9	20.0	30.0

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#77

Pyrene

Concen: 24.335 ng

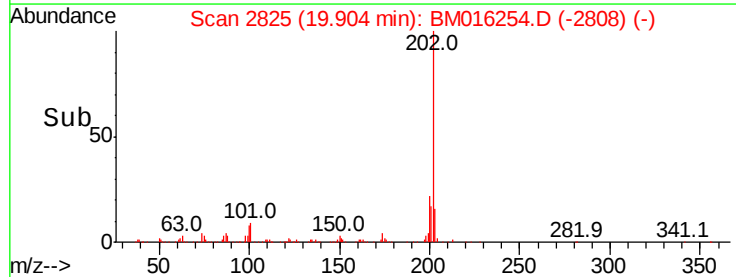
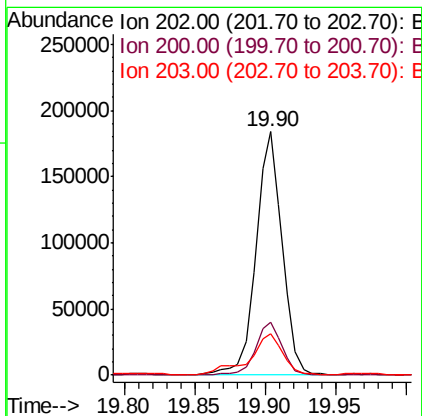
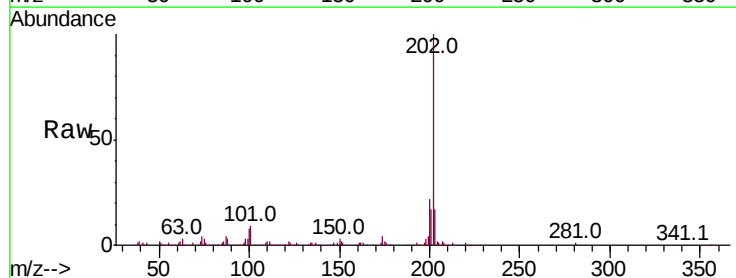
RT: 19.90 min Scan# 2825

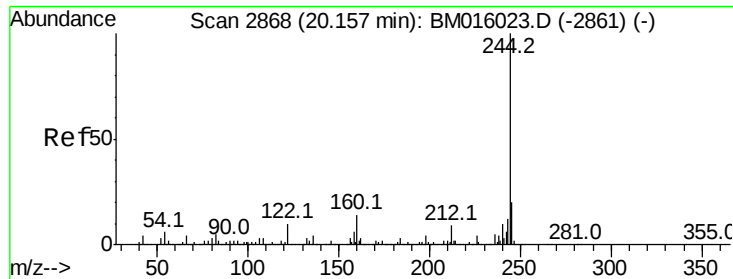
Delta R.T. 0.00 min

Lab File: BM016254.D

Acq: 08 Aug 2018 17:41

Tgt Ion:	202	Resp:	240078
Ion Ratio	Lower	Upper	
202	100		
200	22.0	16.9	25.3
203	17.2	14.1	21.1





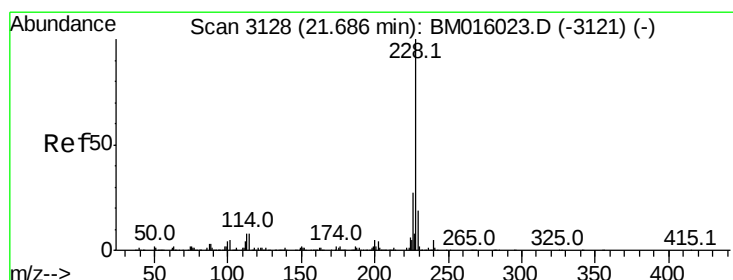
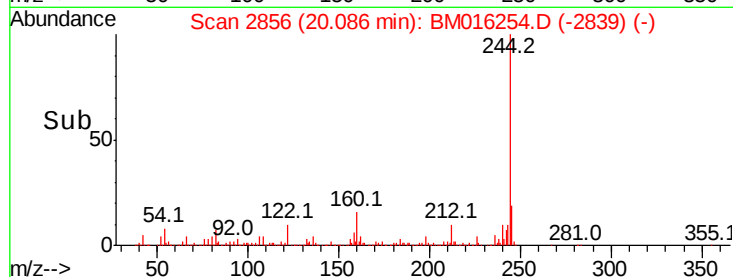
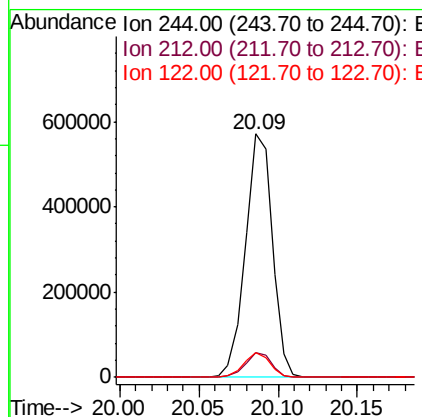
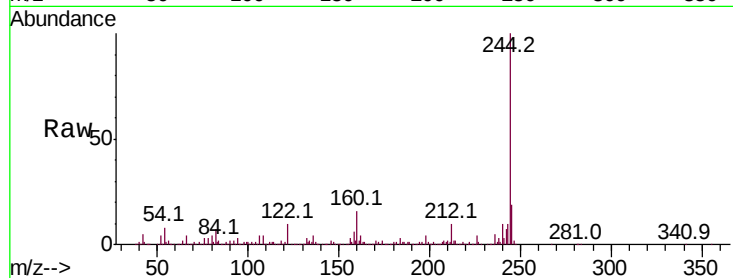
#78
 Terphenyl-d14
 Concen: 24.335 ng
 RT: 20.09 min Scan# 2856
 Delta R.T. 0.00 min
 Lab File: BM016254.D
 Acq: 08 Aug 2018 17:41

Instrument :
 BNA_M
 ClientSampled :
 C-11

Tot Ion	Ratio	Lower	Upper
244	100		
212	10.4	4.9	7.3#
122	10.0	6.2	9.4#

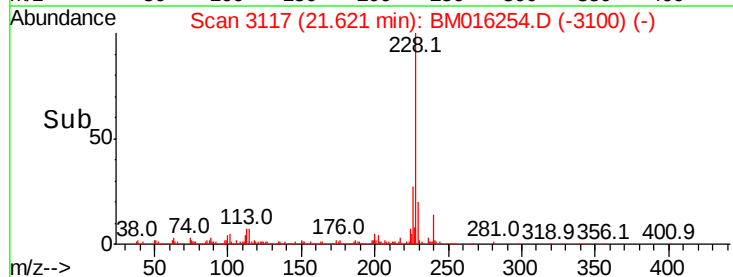
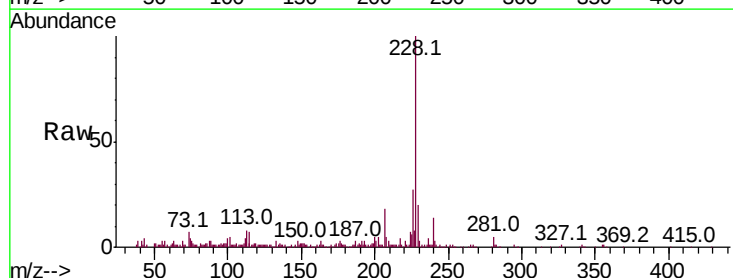
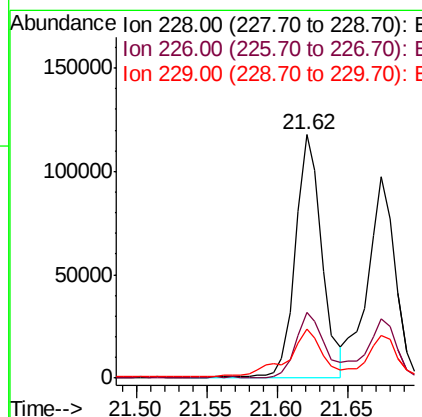
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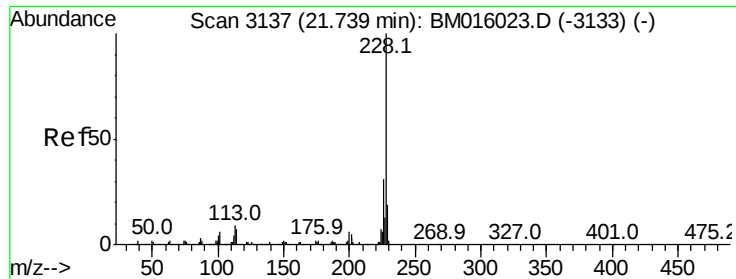
Sohil
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#80
 Benzo(a)anthracene
 Concen: 15.050 ng
 RT: 21.62 min Scan# 3117
 Delta R.T. 0.00 min
 Lab File: BM016254.D
 Acq: 08 Aug 2018 17:41

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.7	32.5
229	20.4	16.0	24.0





#82

Chrysene

Concen: 13.492 ng

RT: 21.67 min Scan# 3126

Delta R.T. 0.00 min

Lab File: BM016254.D

Acq: 08 Aug 2018 17:41

Instrument :

BNA_M

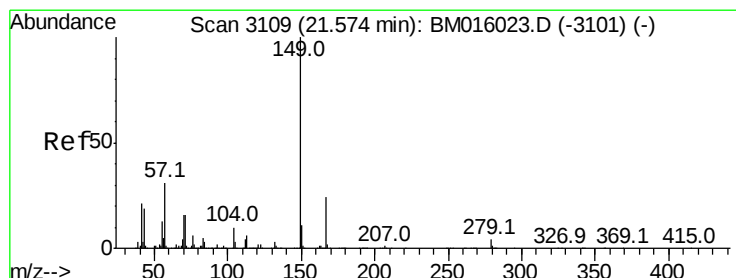
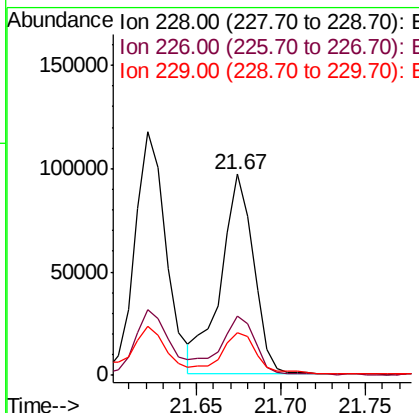
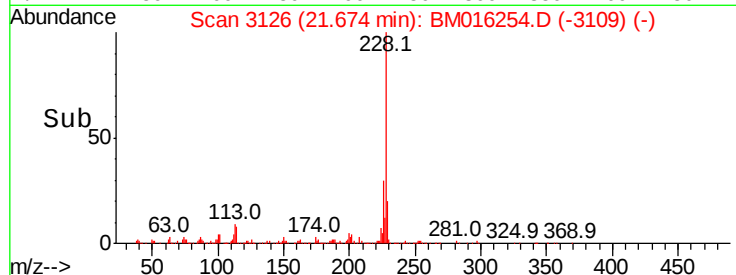
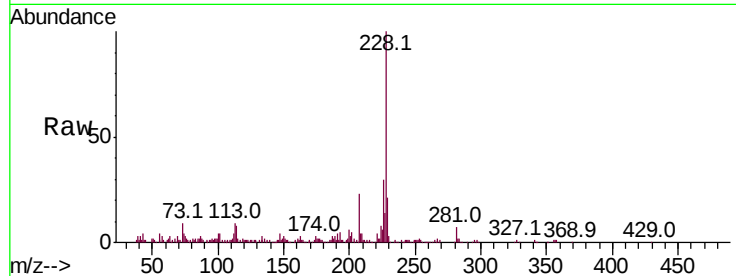
ClientSampled :

C-11

Tot Ion:	228	Resp:	131234
Ion Ratio	Lower	Upper	
228	100		
226	29.7	24.1	36.1
229	21.3	15.5	23.3

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#83

Bis(2-ethylhexyl)phthalate

Concen: 2.076 ng

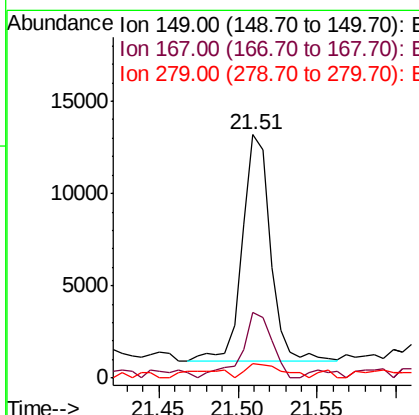
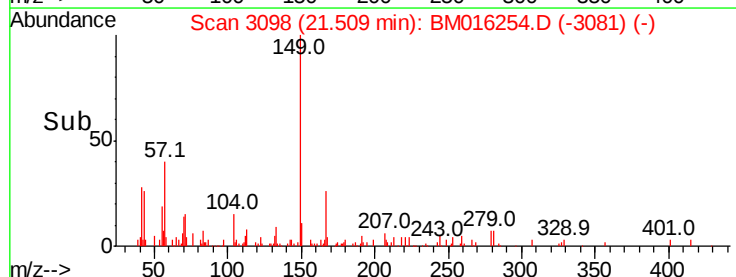
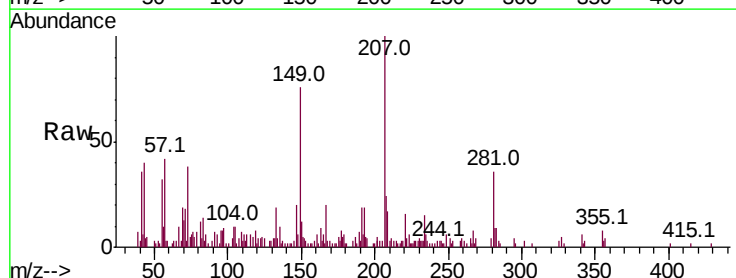
RT: 21.51 min Scan# 3098

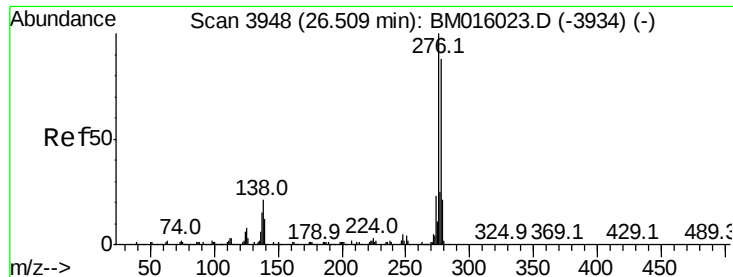
Delta R.T. 0.00 min

Lab File: BM016254.D

Acq: 08 Aug 2018 17:41

Tgt Ion:	149	Resp:	15082
Ion Ratio	Lower	Upper	
149	100		
167	26.7	22.4	33.6
279	5.9	3.4	5.0#





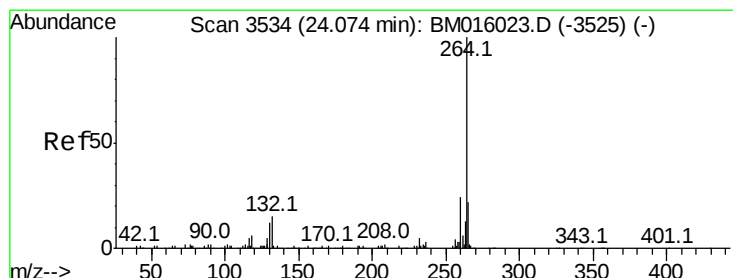
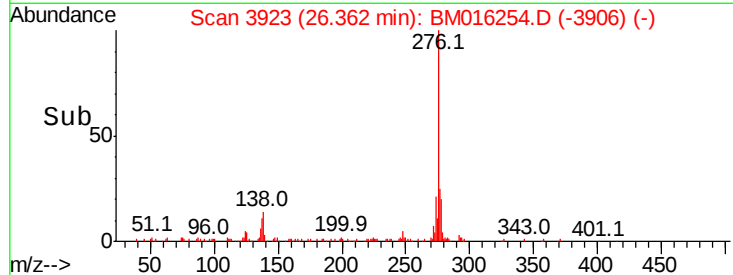
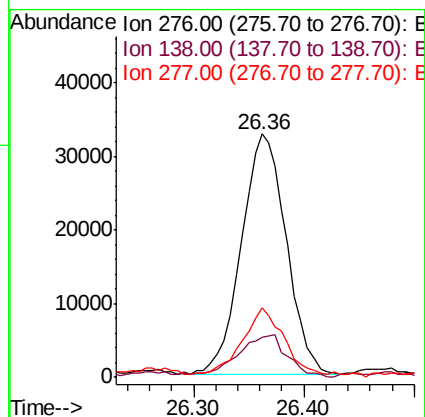
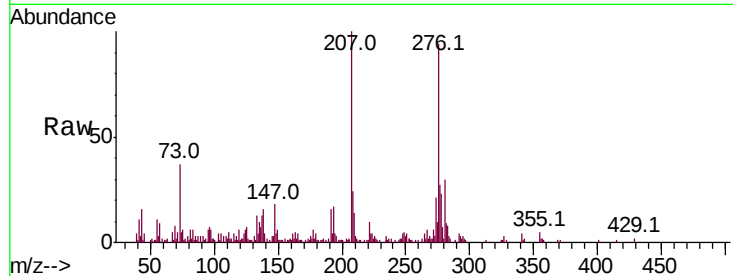
#85
Indeno(1,2,3-cd)pyrene
Concen: 8.037 ng
RT: 26.36 min Scan# 3923
Delta R.T. 0.00 min
Lab File: BM016254.D
Acq: 08 Aug 2018 17:41

Instrument :
BNA_M
ClientSampled :
C-11

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.6	12.0	18.0#
277	25.0	20.0	30.0

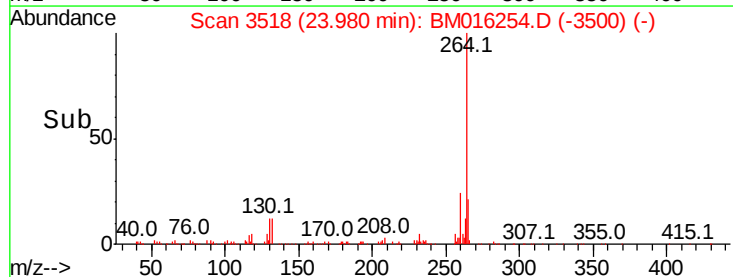
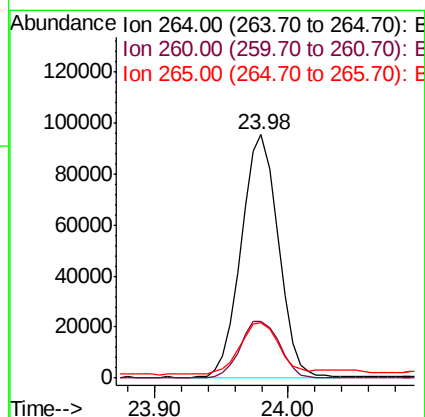
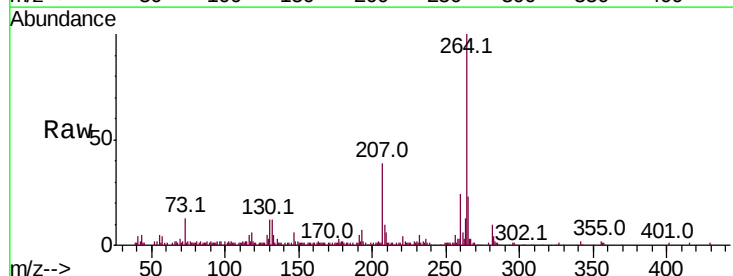
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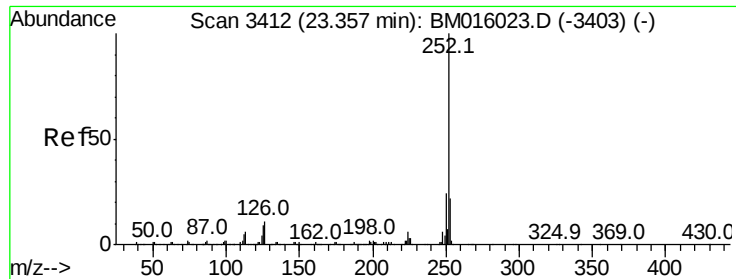
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#86
Perylene-d12
Concen: 20.000 ng
RT: 23.98 min Scan# 3518
Delta R.T. 0.01 min
Lab File: BM016254.D
Acq: 08 Aug 2018 17:41

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.6	27.8
265	23.0	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 17.516 ng m

RT: 23.27 min Scan# 3398

Delta R.T. 0.01 min

Lab File: BM016254.D

Acq: 08 Aug 2018 17:41

Instrument :

BNA_M

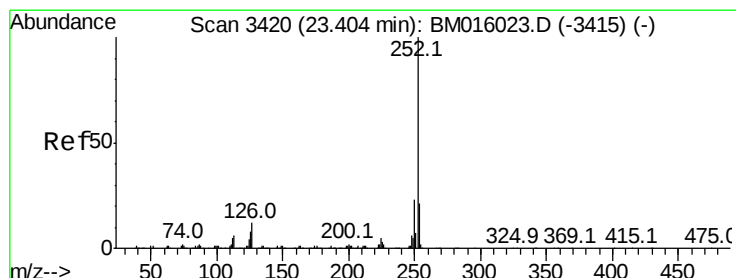
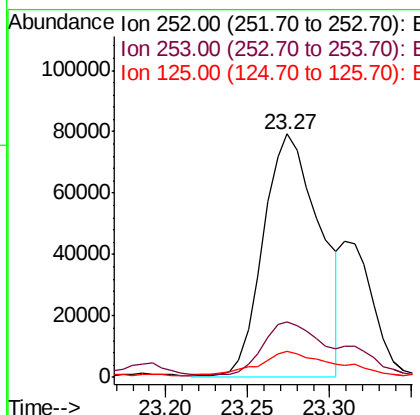
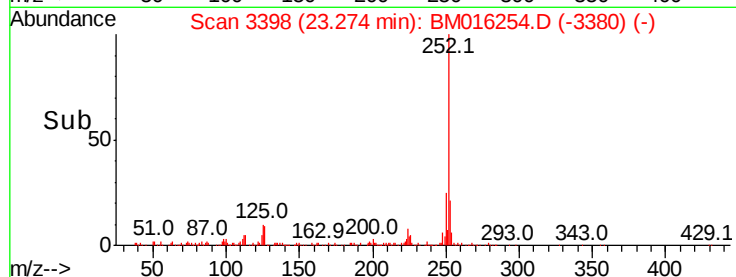
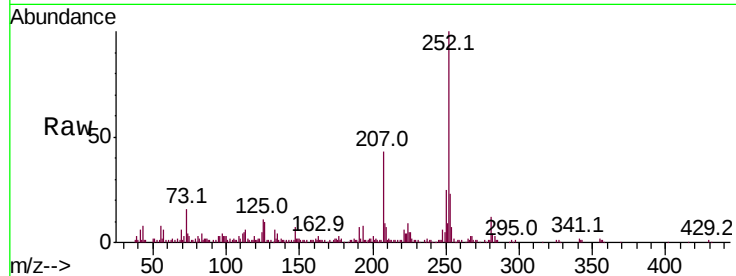
ClientSampled :

C-11

Tot Ion:	252	Resp:	190270
Ion Ratio	Lower	Upper	
252	100		
253	23.0	18.0	27.0
125	10.7	9.9	14.9

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#88

Benzo(k)fluoranthene

Concen: 5.599 ng m

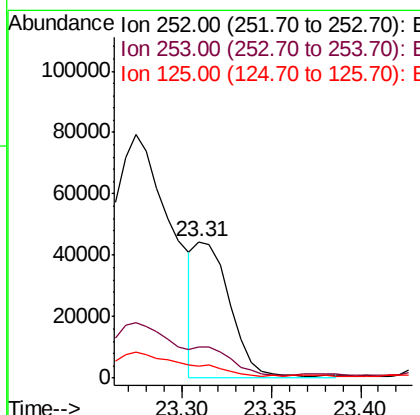
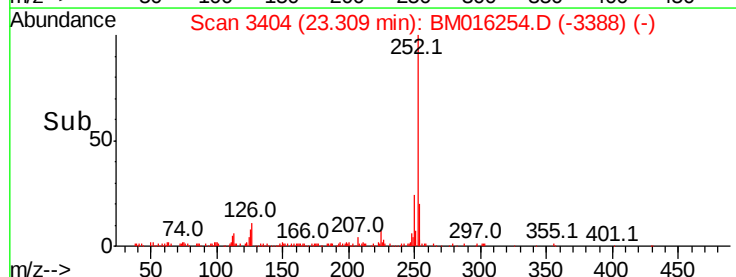
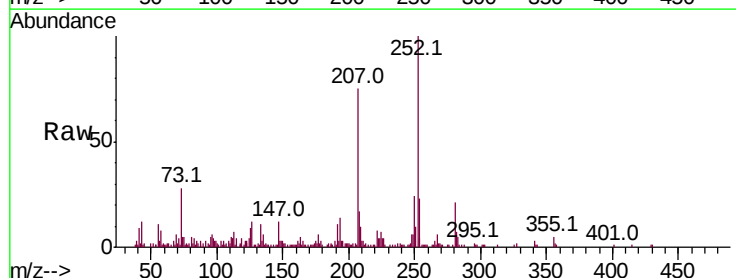
RT: 23.31 min Scan# 3404

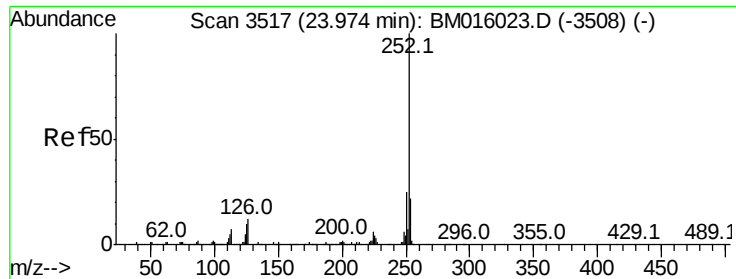
Delta R.T. -0.01 min

Lab File: BM016254.D

Acq: 08 Aug 2018 17:41

Tgt Ion:	252	Resp:	61644
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.2	25.8
125	9.0	8.1	12.1





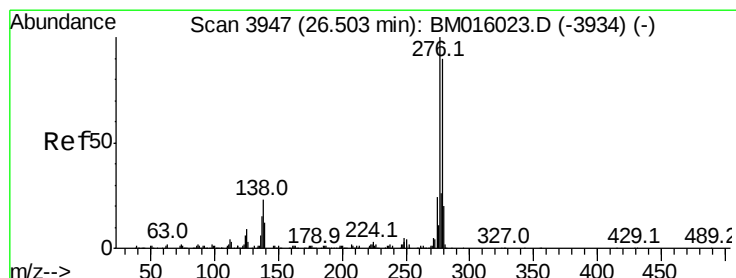
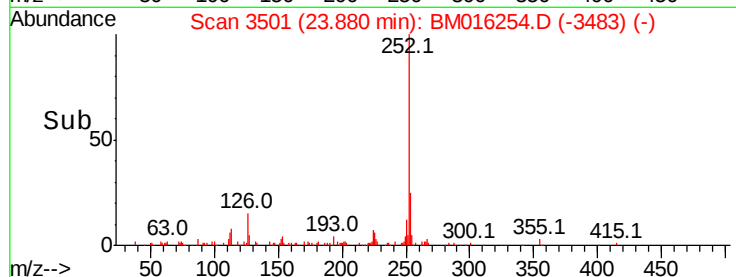
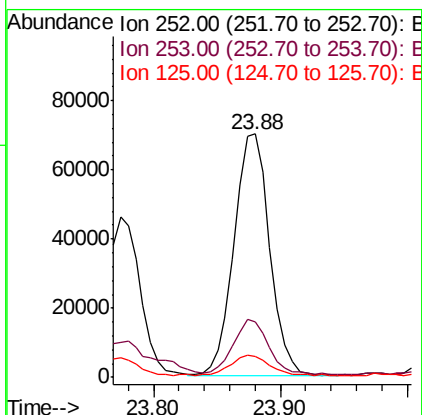
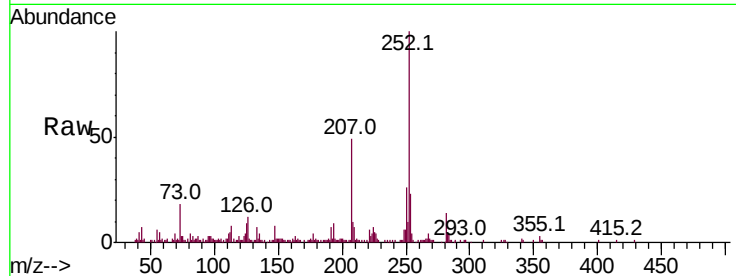
#89
Benzo(a)pyrene
Concen: 12.991 ng
RT: 23.88 min Scan# 3501
Delta R.T. 0.01 min
Lab File: BM016254.D
Acq: 08 Aug 2018 17:41

Instrument :
BNA_M
ClientSampled :
C-11

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.6	26.4
125	8.5	7.4	11.2

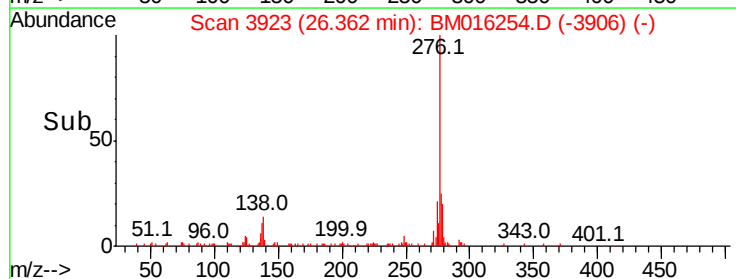
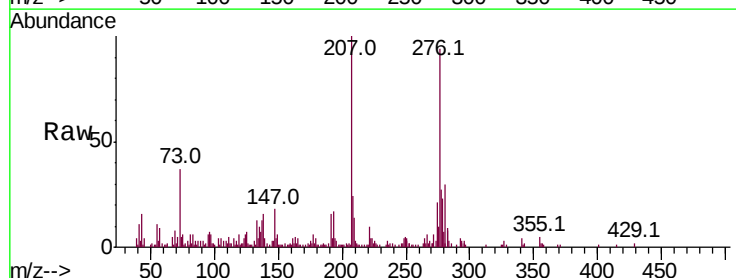
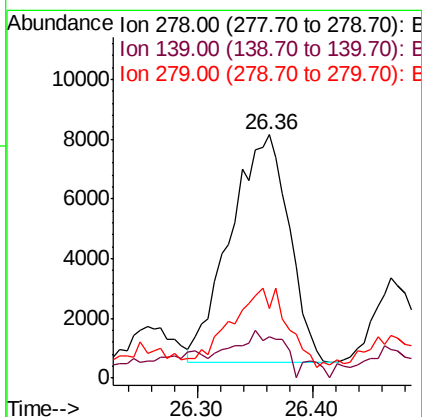
Manual Integrations
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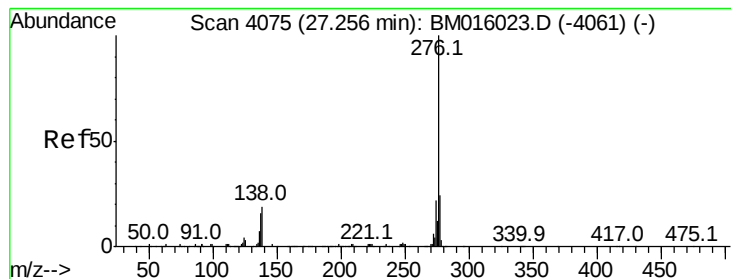
Sohil
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#90
Dibenzo(a,h)anthracene
Concen: 2.502 ng
RT: 26.36 min Scan# 3923
Delta R.T. 0.00 min
Lab File: BM016254.D
Acq: 08 Aug 2018 17:41

Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.8	13.4	20.0
279	28.5	19.0	28.4





#91

Benzo(a,h,i)perylene

Concen: 8.656 ng

RT: 27.10 min Scan# 4049

Delta R.T. 0.01 min

Lab File: BM016254.D

Acq: 08 Aug 2018 17:41

Instrument :

BNA_M

ClientSampleId :

C-11

Tot Ion:	276	Resp:	88581
Ion Ratio	Lower	Upper	
276	100		
277	23.1	18.5	27.7
138	15.9	19.0	28.6#

Manual Integrations
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