

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

Quant Time: Aug 09 01:40:01 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

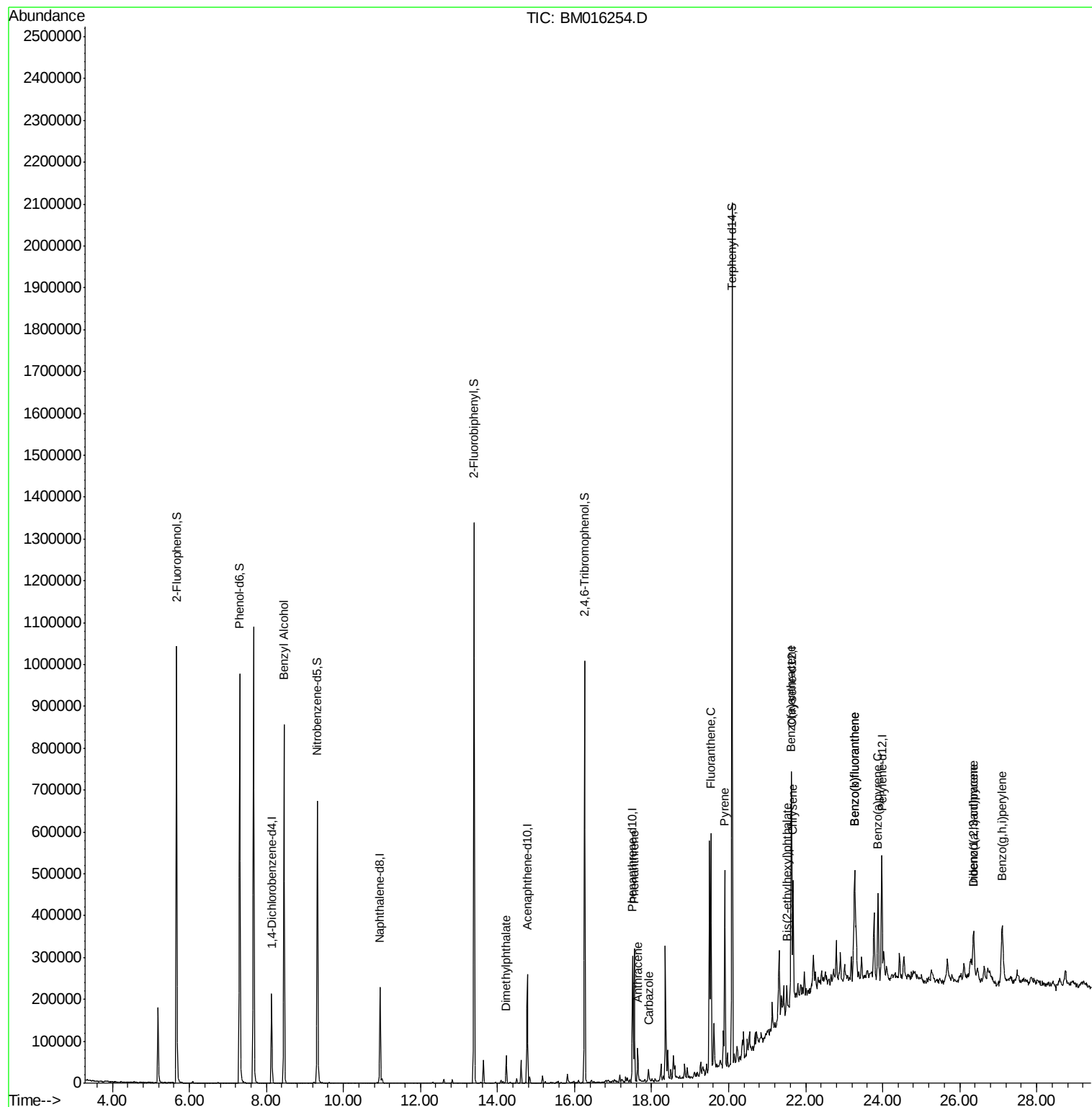
Target Compounds					Qvalue	
15) Benzyl Alcohol	8.46	79	6714	2.366	ng	# 44
49) Dimethylphthalate	14.23	163	37078	5.519	ng	99
70) Phenanthrene	17.55	178	164743	20.045	ng	99
71) Anthracene	17.64	178	41144	5.151	ng	99
72) Carbazole	17.92	167	16648	2.012	ng	98
74) Fluoranthene	19.54	202	275520	30.054	ng	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	246606	22.702	ng	98
88) Benzo(k)fluoranthene	23.27	252	244534	22.212	ng	97
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(g,h,i)perylene	27.10	276	88581	8.656	ng	# 92

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

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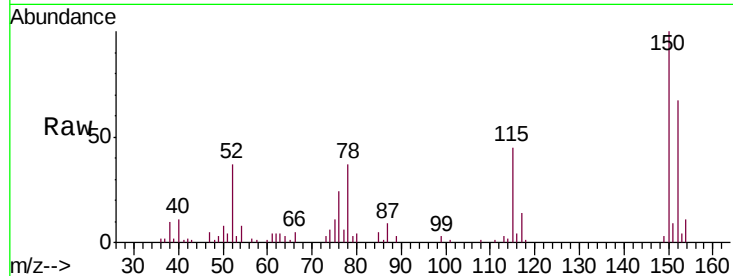




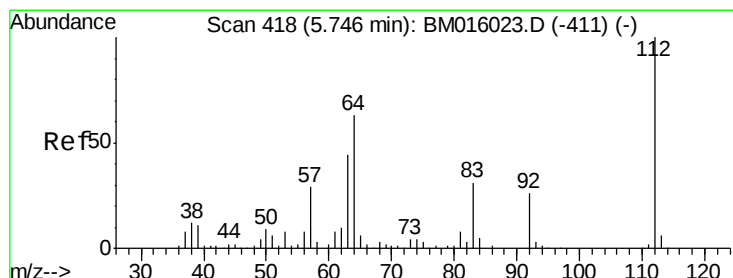
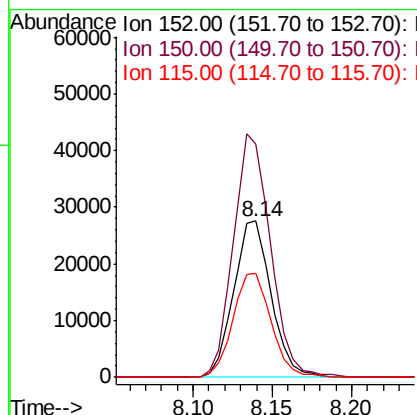
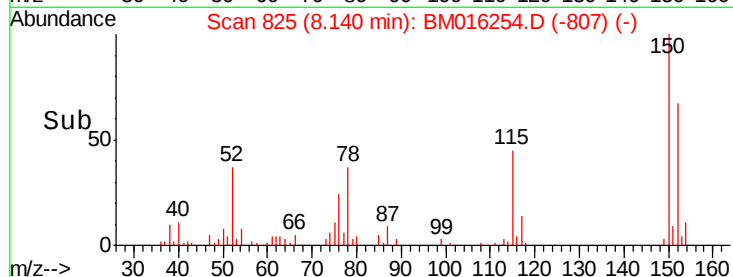
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.14 min Scan# 825
 Delta R.T. 0.01 min
 Lab File: BM016254.D
 Acq: 08 Aug 2018 17:41

Instrument :
 BNA_M
 ClientSampleId :
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Tgt Ion:152 Resp: 45331
 Ion Ratio Lower Upper
 152 100
 150 149.7 119.5 179.3
 115 66.6 43.0 64.4#

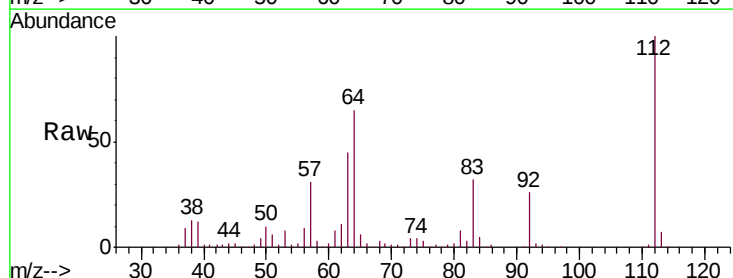


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

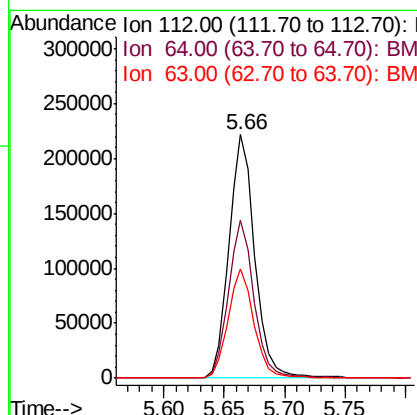
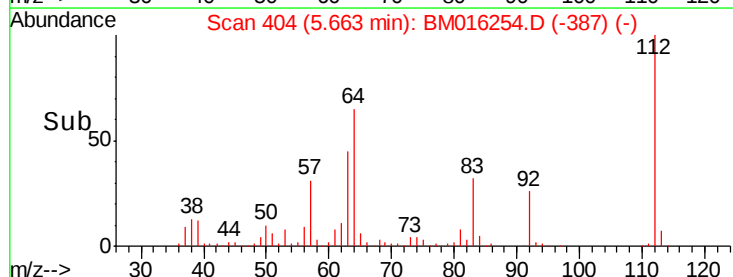


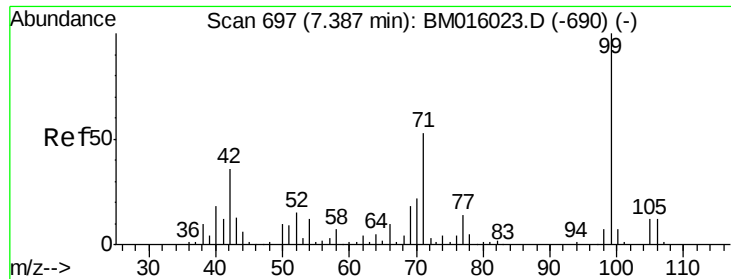
#5
 2-Fluorophenol
 Concen: Below ng
 RT: 5.66 min Scan# 404
 Delta R.T. 0.00 min
 Lab File: BM016254.D
 Acq: 08 Aug 2018 17:41

Tgt Ion:112 Resp: 329543
 Ion Ratio Lower Upper
 112 100
 64 64.8 38.6 57.8#
 63 45.1 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: BM016254.D

Acq: 08 Aug 2018 17:41

Instrument :

BNA_M

ClientSampled :

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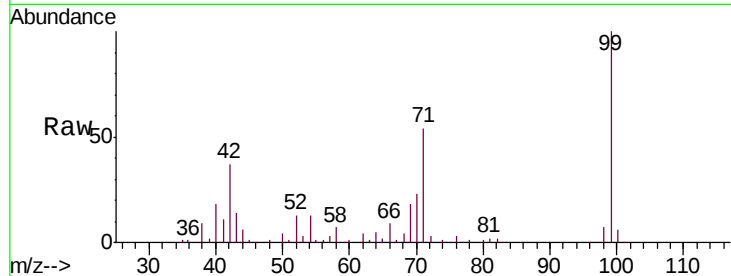
Tgt Ion: 99 Resp: 392318

Ion Ratio Lower Upper

99 100

42 37.1 11.0 16.4#

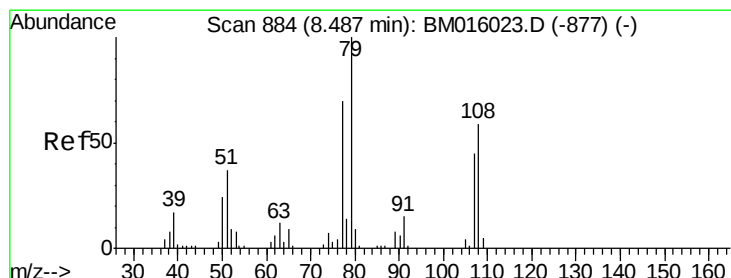
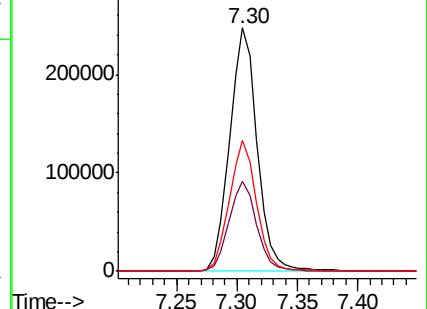
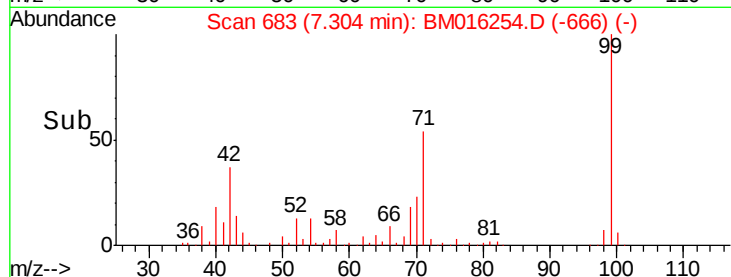
71 53.9 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM016254.D (-666) (-)

Ion 42.00 (41.70 to 42.70): BM016254.D (-666) (-)

Ion 71.00 (70.70 to 71.70): BM016254.D (-666) (-)



#15

Benzyl Alcohol

Concen: 2.366 ng

RT: 8.46 min Scan# 879

Delta R.T. 0.07 min

Lab File: BM016254.D

Acq: 08 Aug 2018 17:41

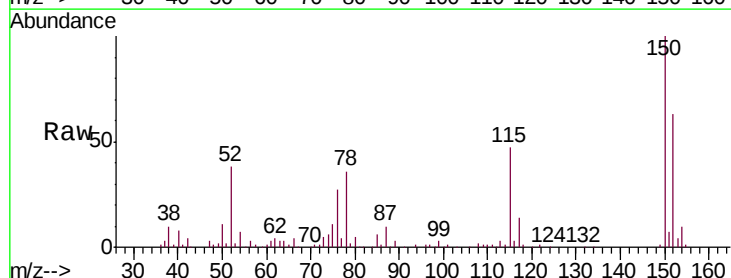
Tgt Ion: 79 Resp: 6714

Ion Ratio Lower Upper

79 100

108 78.0 65.0 97.4

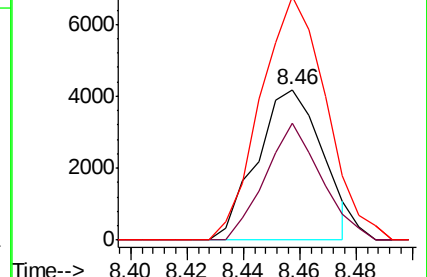
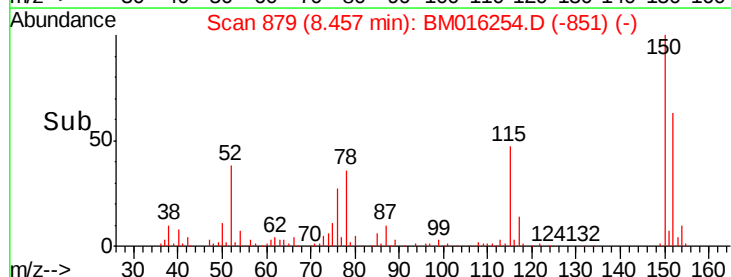
77 161.5 53.0 79.6#



Abundance Ion 79.00 (78.70 to 79.70): BM016254.D (-851) (-)

Ion 108.00 (107.70 to 108.70): BM016254.D (-851) (-)

Ion 77.00 (76.70 to 77.70): BM016254.D (-851) (-)

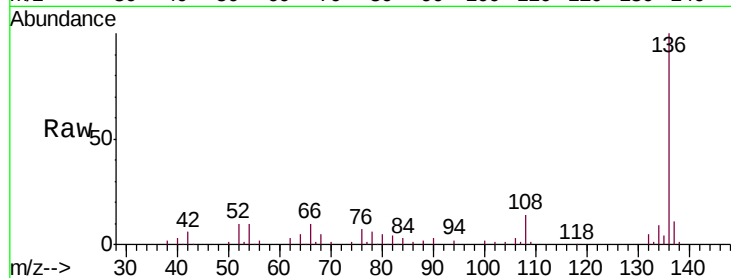




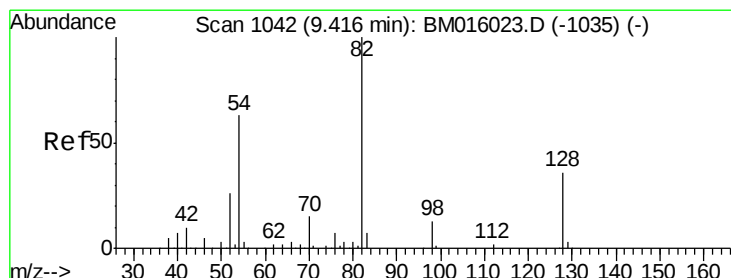
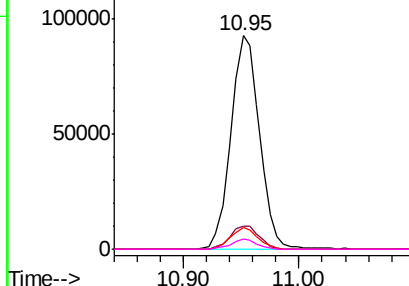
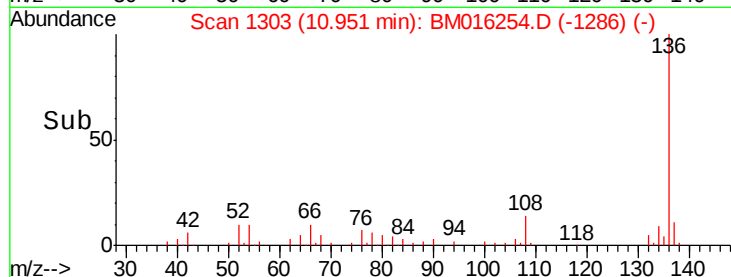
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.95 min Scan# 1303
Delta R.T. 0.00 min
Lab File: BM016254.D
Acq: 08 Aug 2018 17:41

Instrument :
BNA_M
ClientSampled :
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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

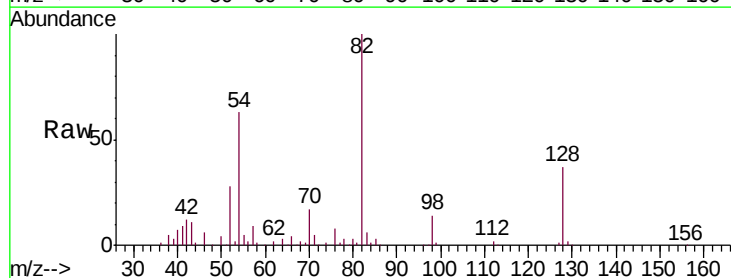


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BM
Ion 68.00 (67.70 to 68.70): BM

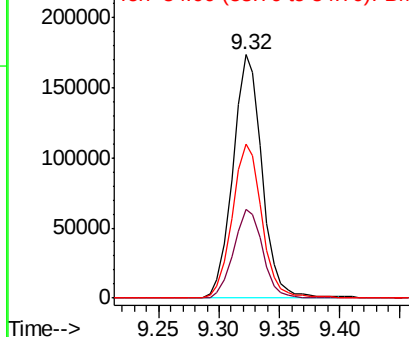
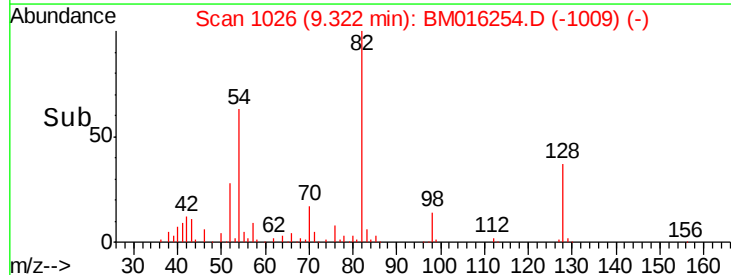


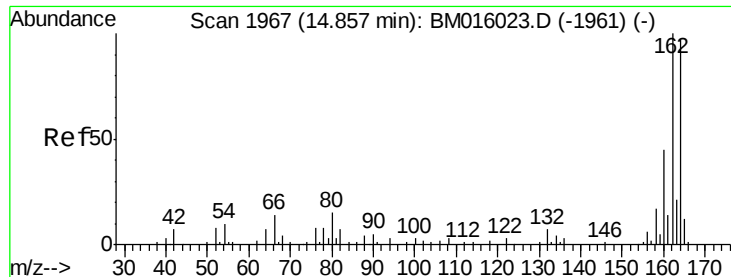
#23
Nitrobenzene-d5
Concen: N.D. ng
RT: 9.32 min Scan# 1026
Delta R.T. 0.00 min
Lab File: BM016254.D
Acq: 08 Aug 2018 17:41

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



Abundance Ion 82.00 (81.70 to 82.70): BM
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BM





#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

Instrument :

BNA_M

ClientSampleId :

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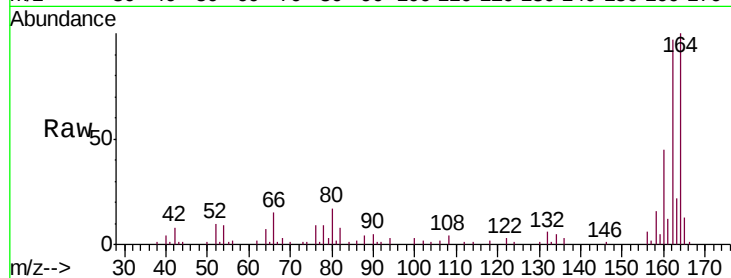
Tgt Ion:164 Resp: 76761

Ion Ratio Lower Upper

164 100

162 97.4 82.4 123.6

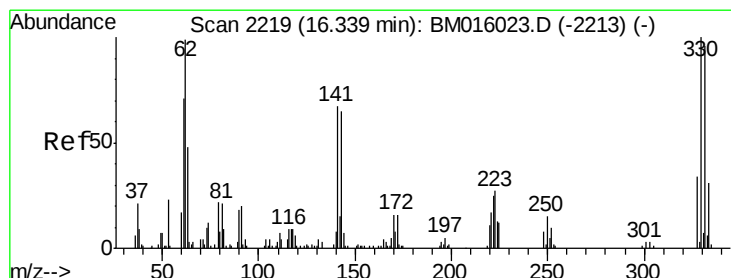
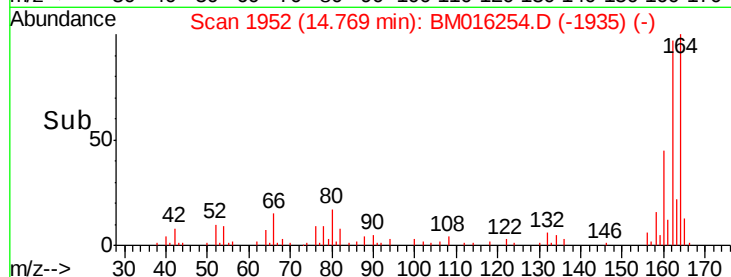
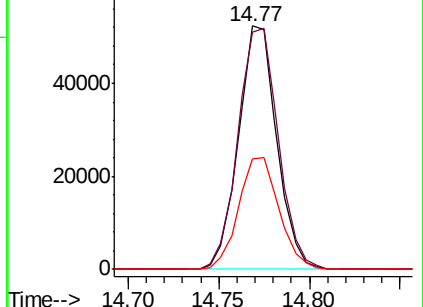
160 45.1 35.8 53.6



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#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

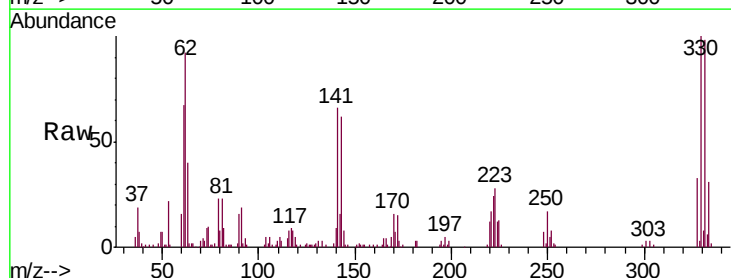
Tgt Ion:330 Resp: 108290

Ion Ratio Lower Upper

330 100

332 96.3 0.0 0.0#

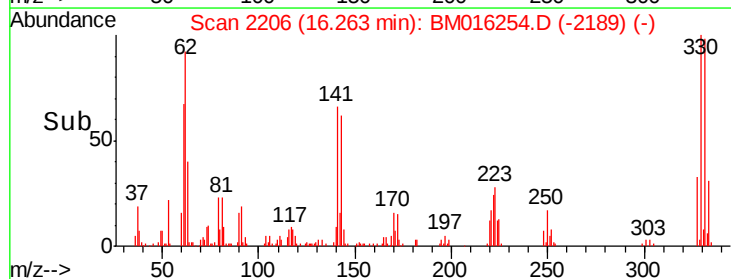
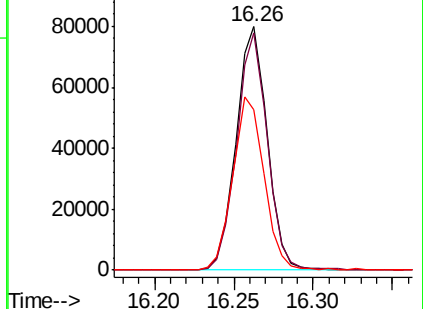
141 71.8 0.0 0.0#



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

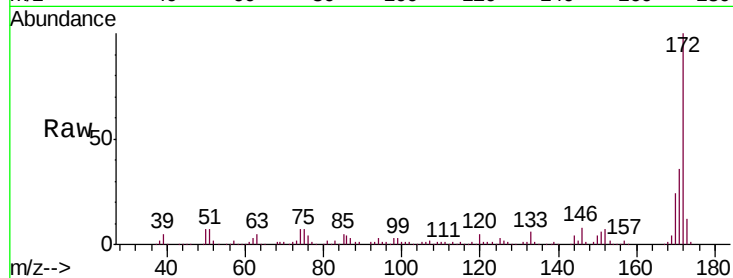




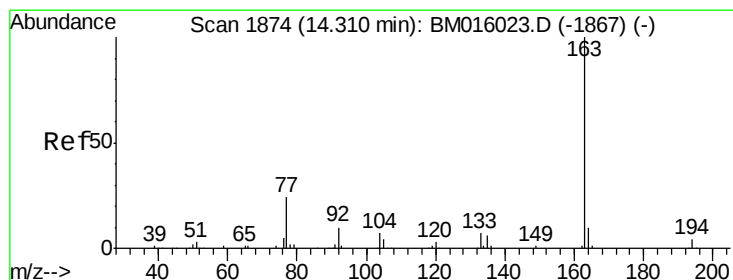
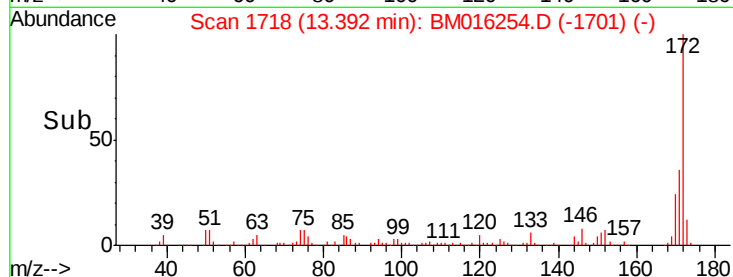
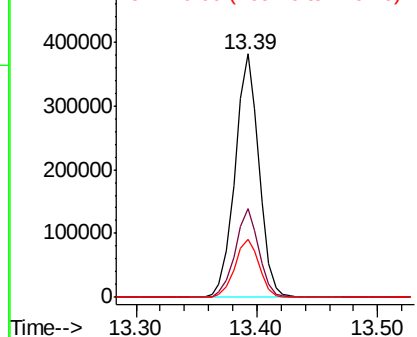
#44
2-Fluorobiphenyl
Concen: N.D. ng
RT: 13.39 min Scan# 1718
Delta R.T. 0.00 min
Lab File: BM016254.D
Acq: 08 Aug 2018 17:41

Instrument :
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ClientSampled :
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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

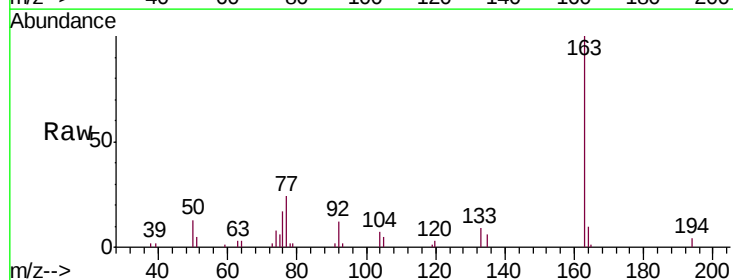


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

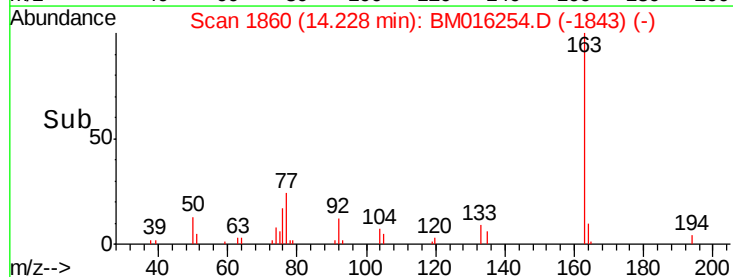
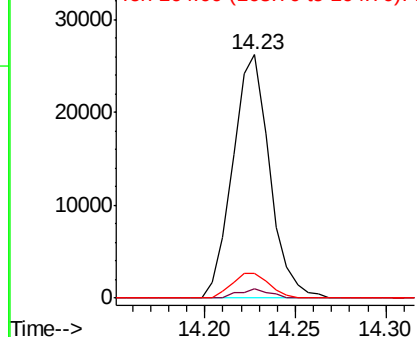


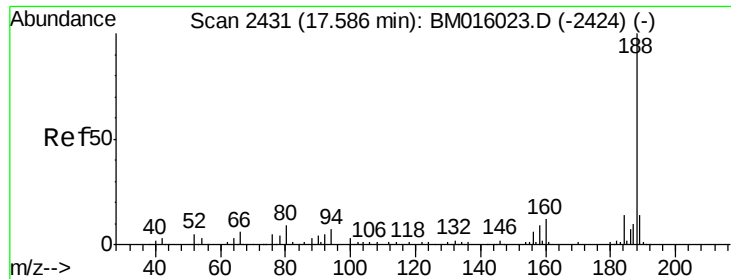
#49
Dimethylphthalate
Concen: 5.519 ng
RT: 14.23 min Scan# 1860
Delta R.T. 0.00 min
Lab File: BM016254.D
Acq: 08 Aug 2018 17:41

Tgt Ion:163 Resp: 37078
Ion Ratio Lower Upper
163 100
194 3.6 2.7 4.1
164 10.0 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

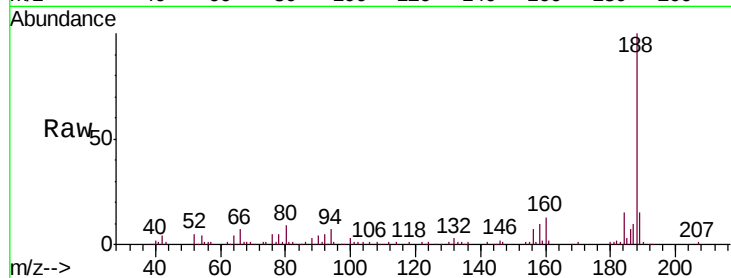




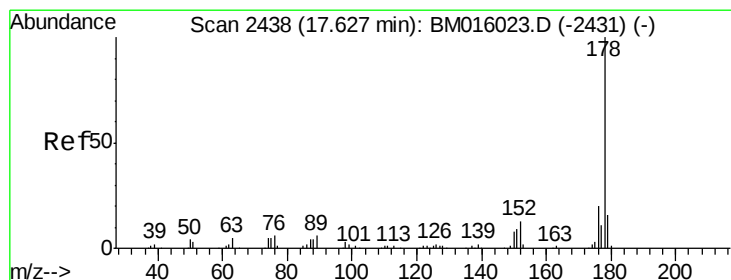
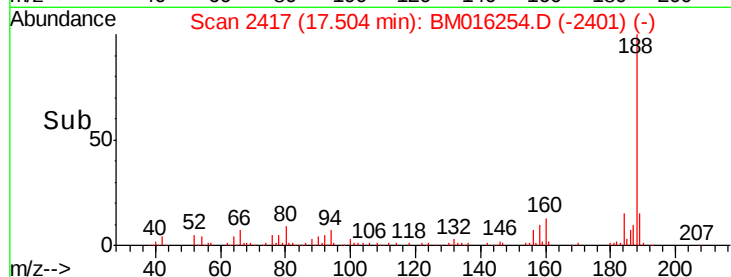
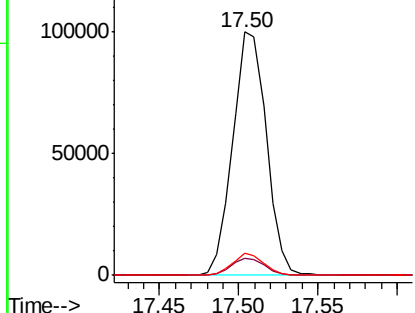
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.50 min Scan# 2417
Delta R.T. -0.01 min
Lab File: BM016254.D
Acq: 08 Aug 2018 17:41

Instrument :
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ClientSampled :
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Tgt Ion:188 Resp: 146795
Ion Ratio Lower Upper
188 100
94 7.0 8.7 13.1#
80 9.2 9.3 13.9#

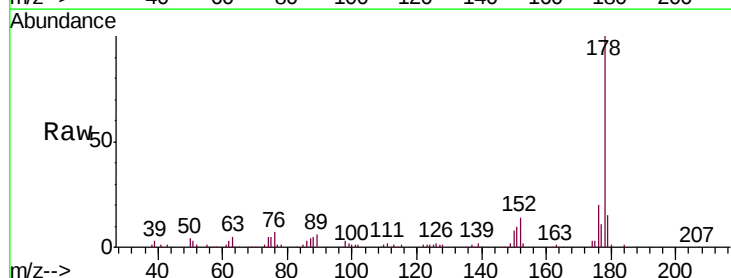


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BM
Ion 80.00 (79.70 to 80.70): BM

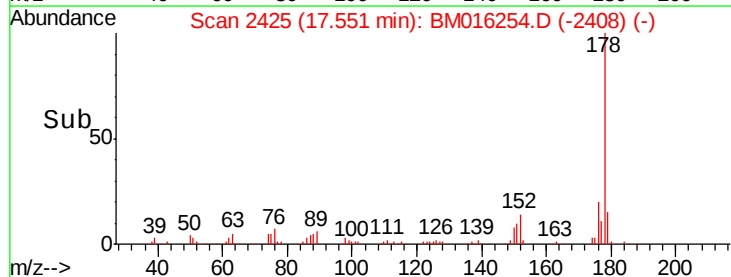
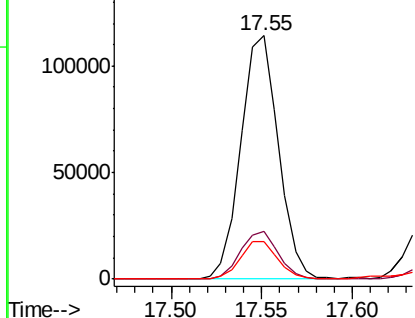


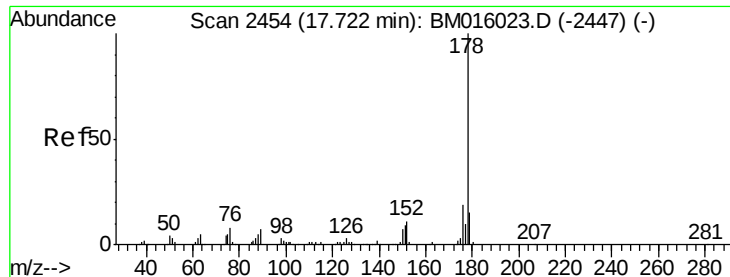
#70
Phenanthrene
Concen: 20.045 ng
RT: 17.55 min Scan# 2425
Delta R.T. 0.00 min
Lab File: BM016254.D
Acq: 08 Aug 2018 17:41

Tgt Ion:178 Resp: 164743
Ion Ratio Lower Upper
178 100
176 19.5 15.2 22.8
179 15.4 12.1 18.1



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

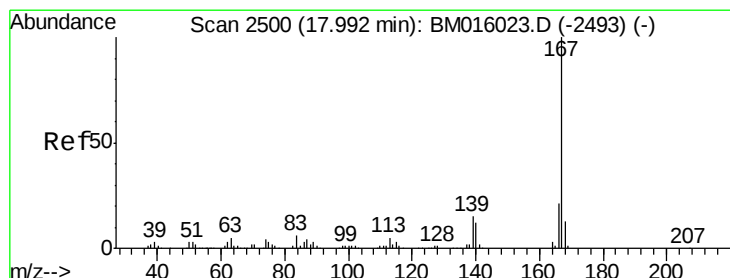
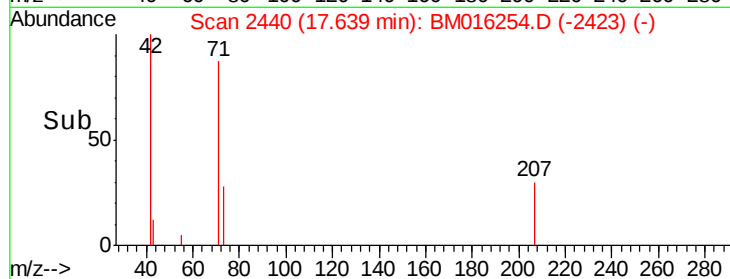
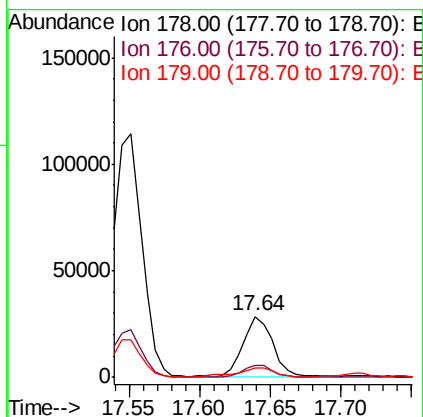
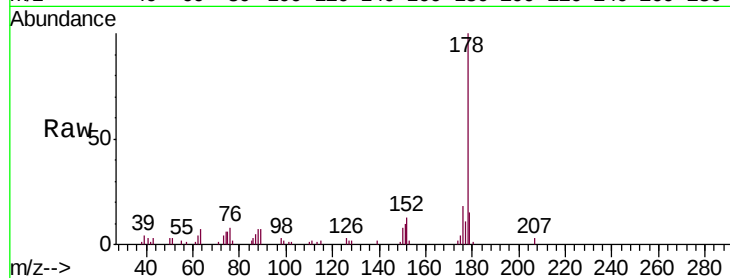




#71
 Anthracene
 Concen: 5.151 ng
 RT: 17.64 min Scan# 2440
 Delta R.T. 0.00 min
 Lab File: BM016254.D
 Acq: 08 Aug 2018 17:41

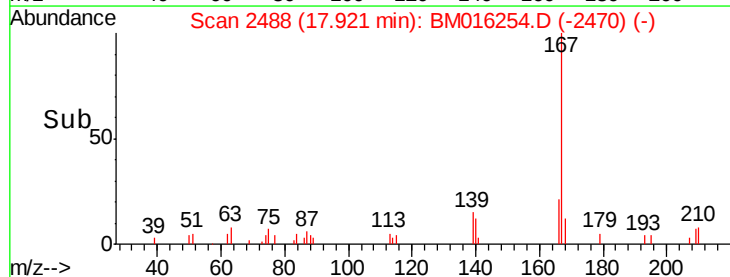
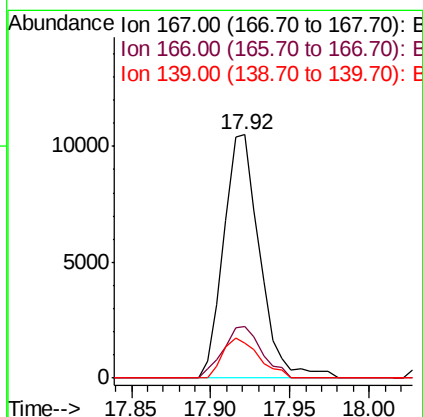
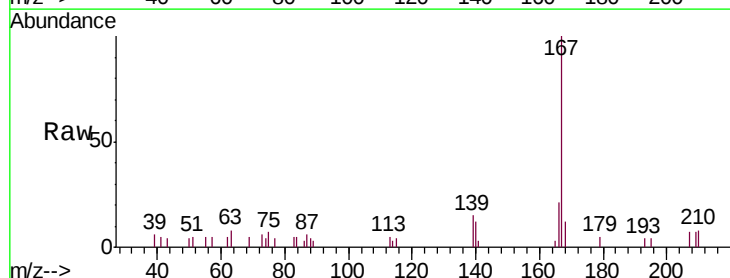
Instrument :
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 ClientSampled :
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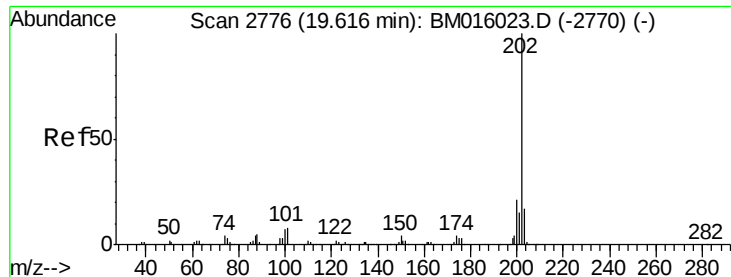
Tgt Ion:178 Resp: 41144
 Ion Ratio Lower Upper
 178 100
 176 18.5 14.6 22.0
 179 14.7 12.6 19.0



#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

Tgt Ion:167 Resp: 16648
 Ion Ratio Lower Upper
 167 100
 166 21.0 17.2 25.8
 139 14.6 10.8 16.2





#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

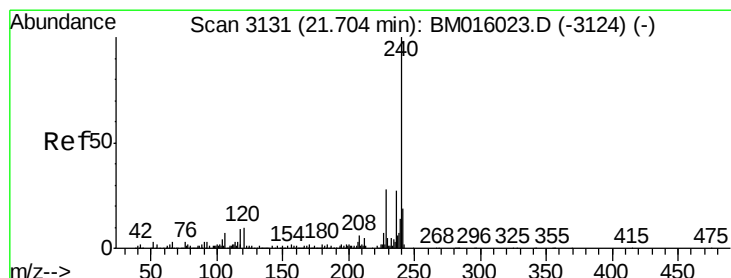
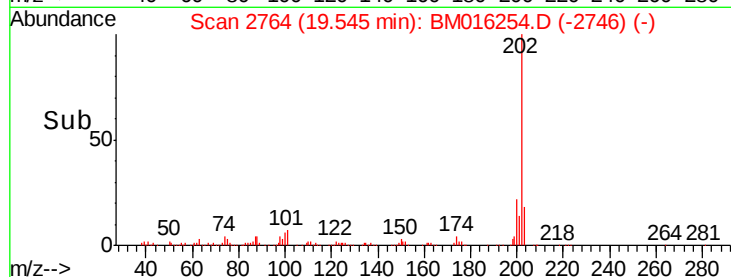
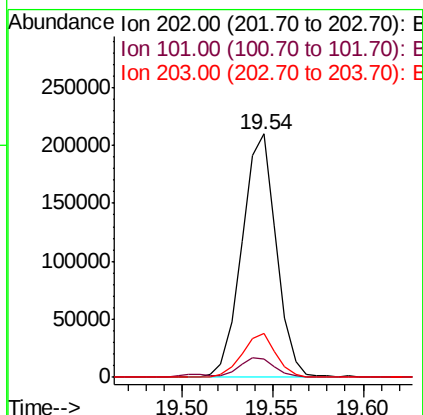
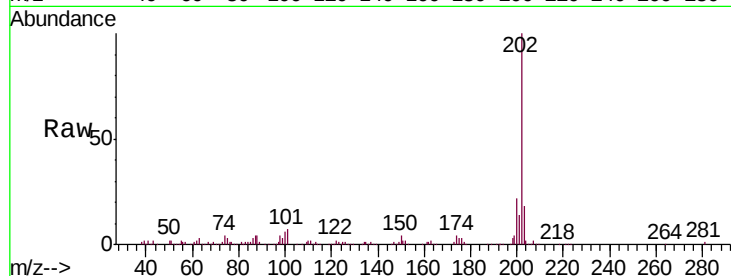
Instrument :

BNA_M

ClientSampled :

C-11

Tgt Ion:	202	Resp:	275520
Ion	Ratio	Lower	Upper
202	100		
101	7.3	0.0	28.7
203	17.9	0.0	37.2



#75

Chrysene-d12

Concen: 20.000 ng

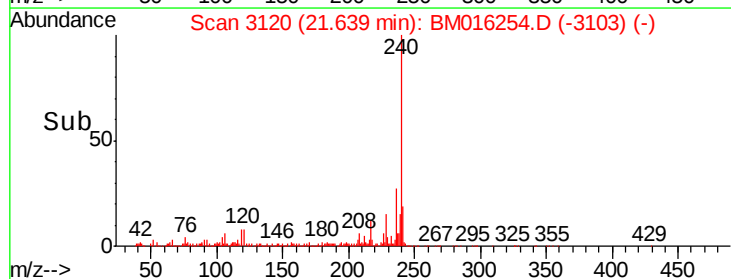
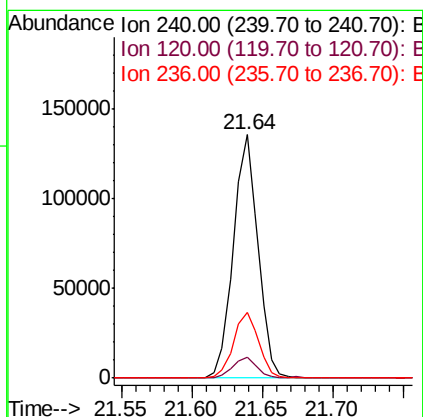
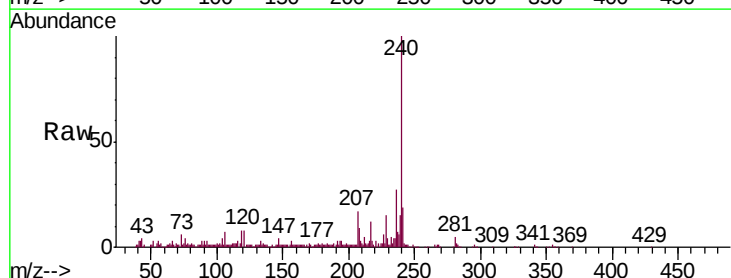
RT: 21.64 min Scan# 3120

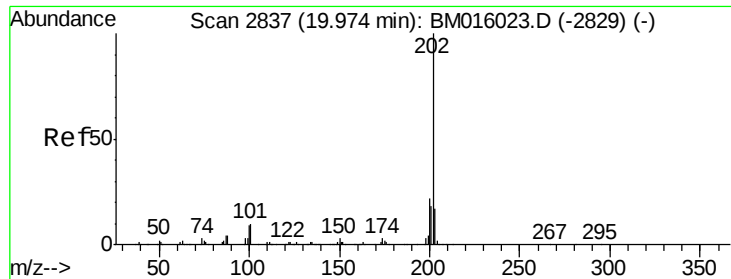
Delta R.T. 0.00 min

Lab File: BM016254.D

Acq: 08 Aug 2018 17:41

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

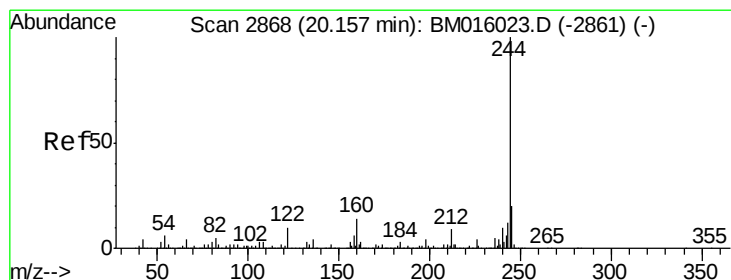
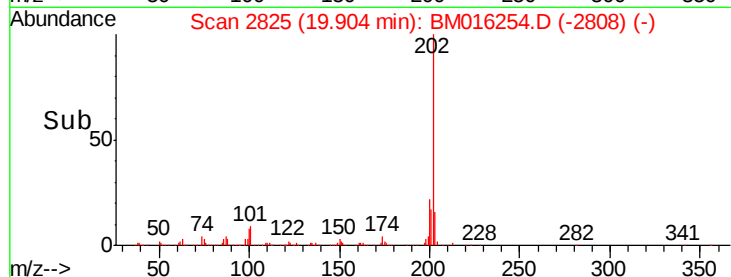
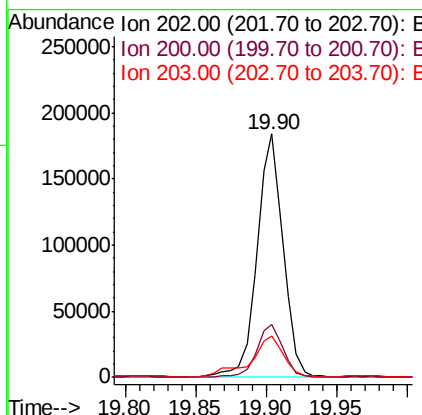
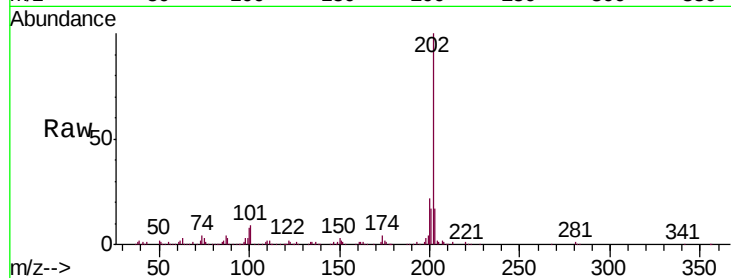




#77
 Pyrene
 Concen: 24.335 ng
 RT: 19.90 min Scan# 2825
 Delta R.T. 0.00 min
 Lab File: BM016254.D
 Acq: 08 Aug 2018 17:41

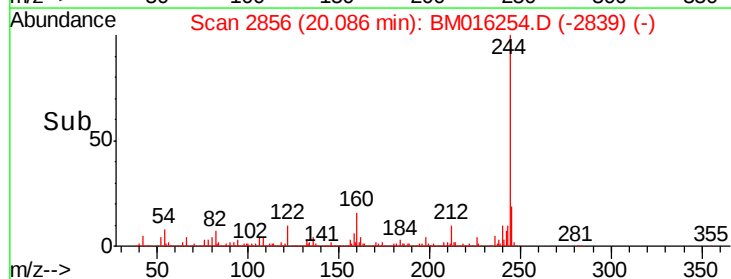
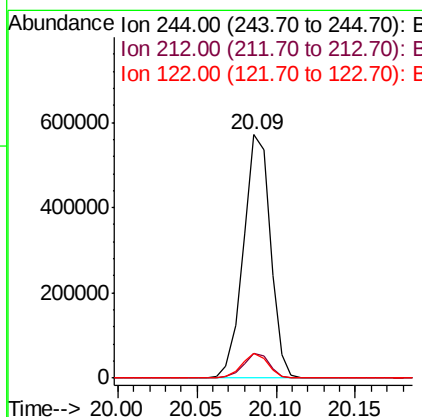
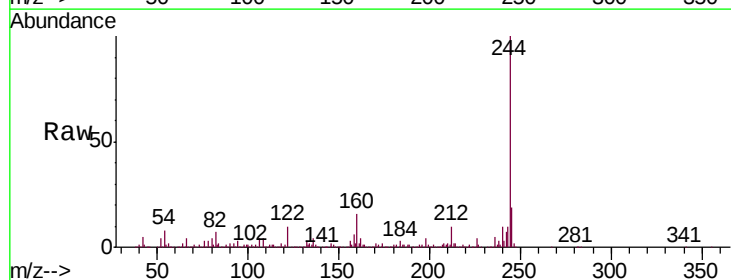
Instrument :
 BNA_M
 ClientSampleId :
 C-11

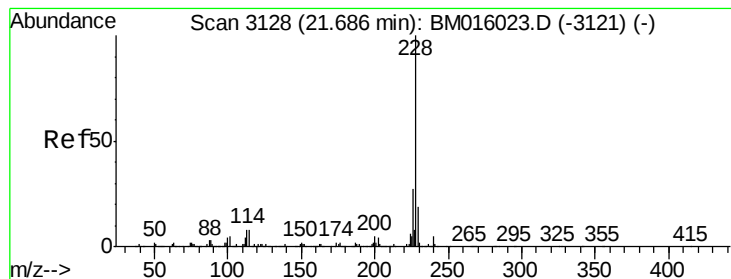
Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.0	16.9	25.3
203	17.2	14.1	21.1



#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

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





#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

Instrument :

BNA_M

ClientSampleId :

C-11

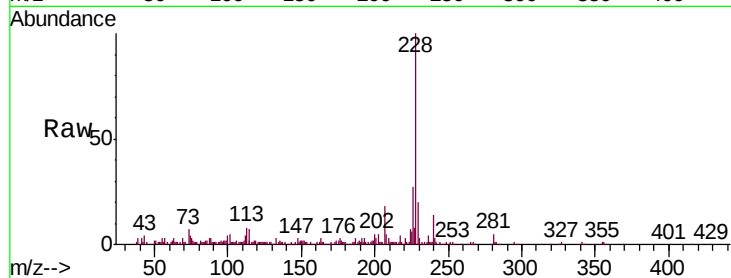
Tgt Ion:228 Resp: 152598

Ion Ratio Lower Upper

228 100

226 27.2 21.7 32.5

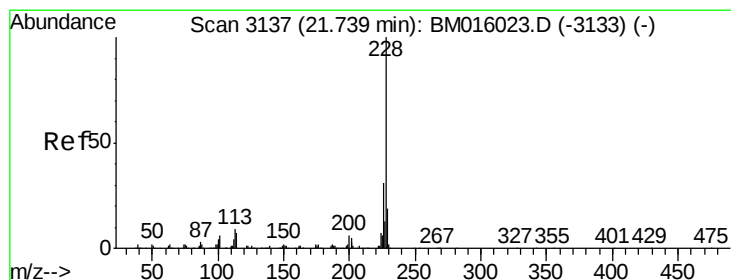
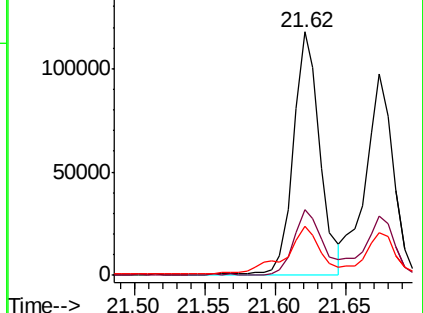
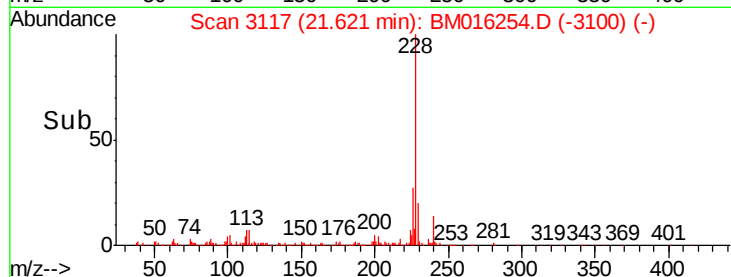
229 20.4 16.0 24.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#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

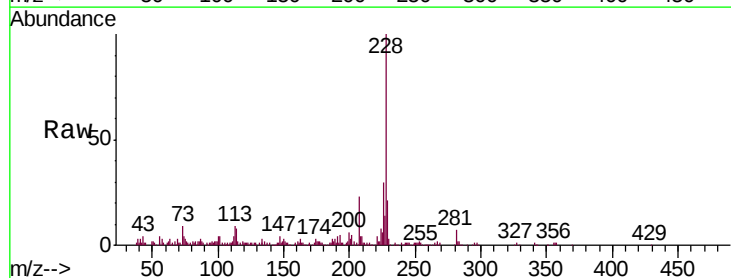
Tgt Ion:228 Resp: 131234

Ion Ratio Lower Upper

228 100

226 29.7 24.1 36.1

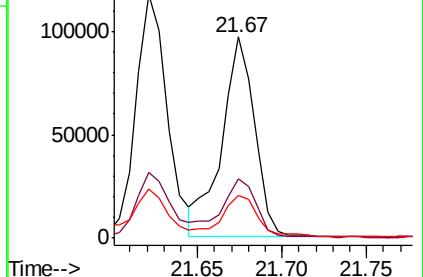
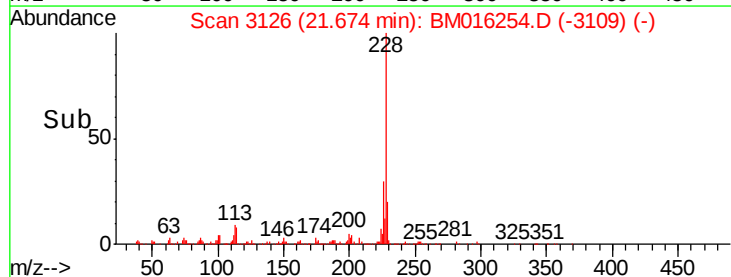
229 21.3 15.5 23.3

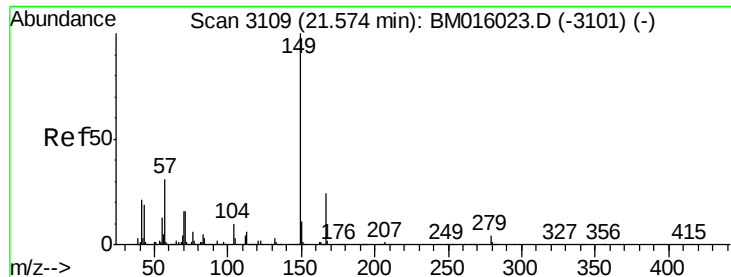


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

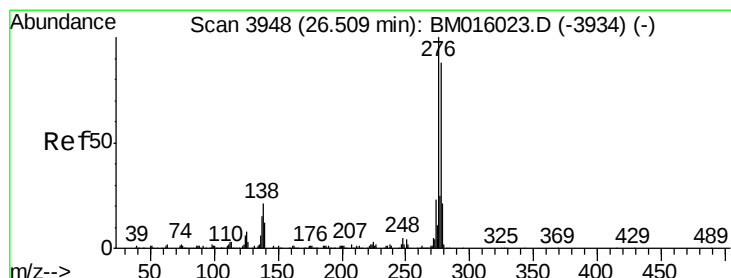
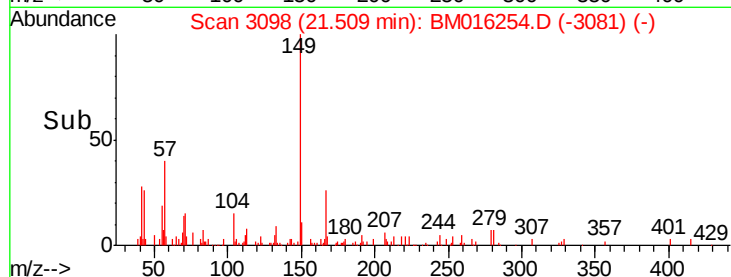
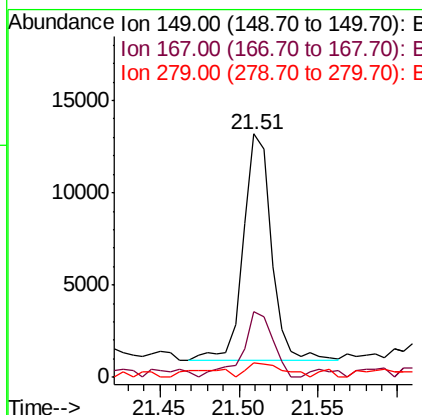
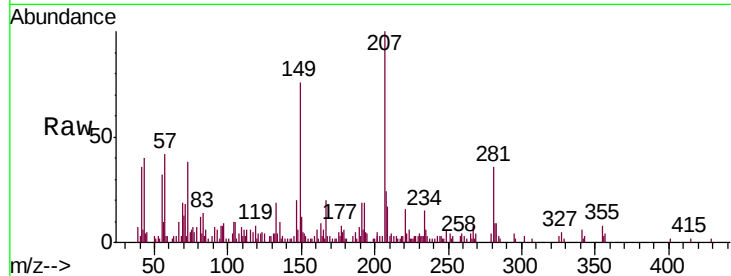




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.076 ng
 RT: 21.51 min Scan# 3098
 Delta R.T. 0.00 min
 Lab File: BM016254.D
 Acq: 08 Aug 2018 17:41

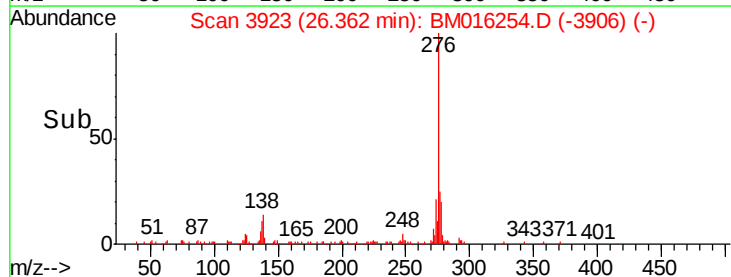
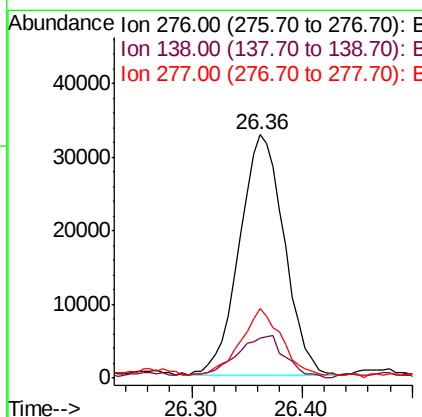
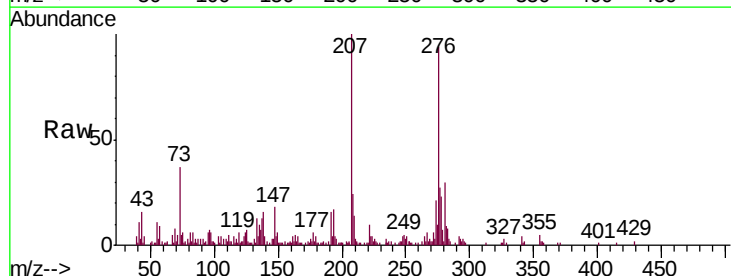
Instrument :
 BNA_M
 ClientSampleId :
 C-11

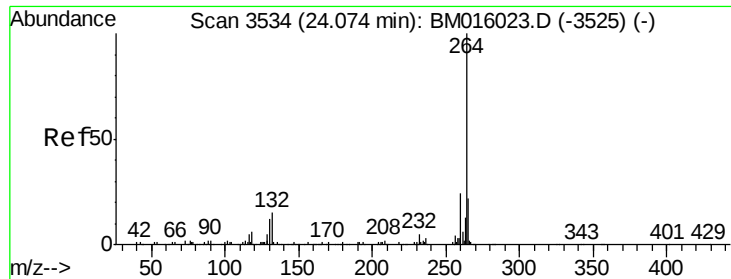
Tgt Ion:149 Resp: 15082
 Ion Ratio Lower Upper
 149 100
 167 26.7 22.4 33.6
 279 5.9 3.4 5.0#



#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

Tgt Ion:276 Resp: 92768
 Ion Ratio Lower Upper
 276 100
 138 19.6 12.0 18.0#
 277 25.0 20.0 30.0



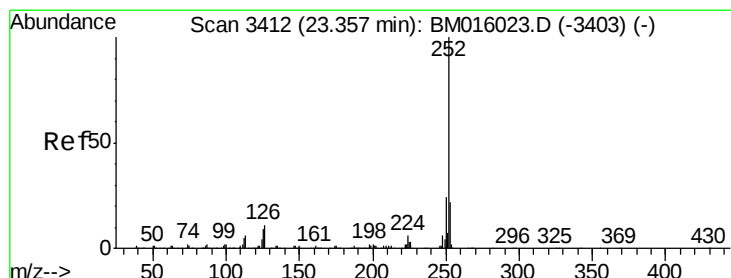
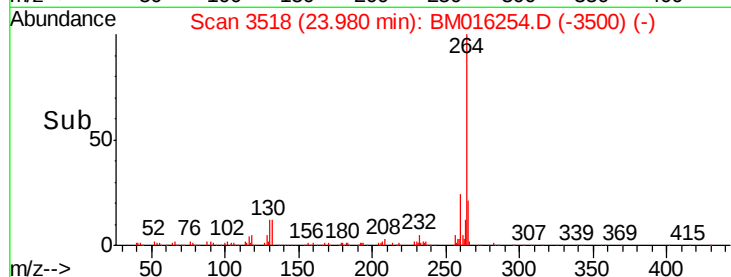
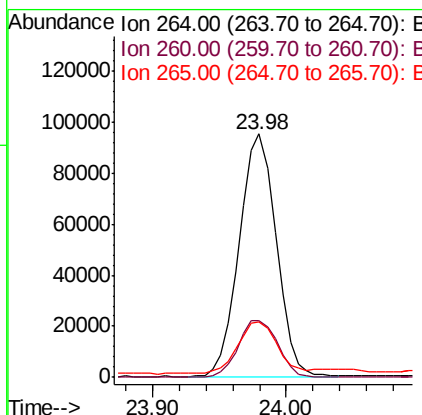
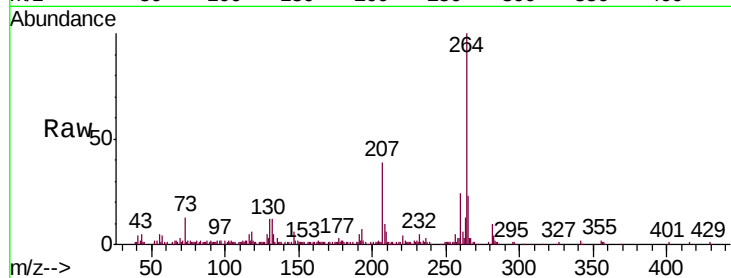


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.98 min Scan# 3518
Delta R.T. 0.01 min
Lab File: BM016254.D
Acq: 08 Aug 2018 17:41

Instrument :
BNA_M
ClientSampleId :
C-11

Tgt Ion: 264 Resp: 184499

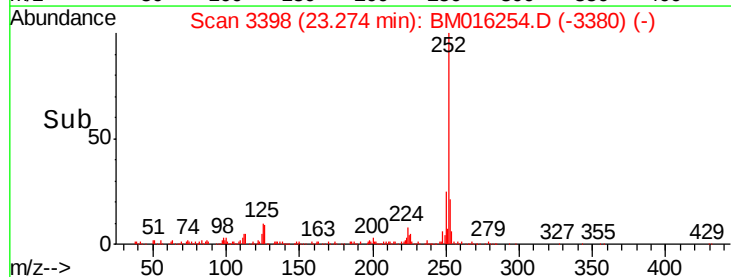
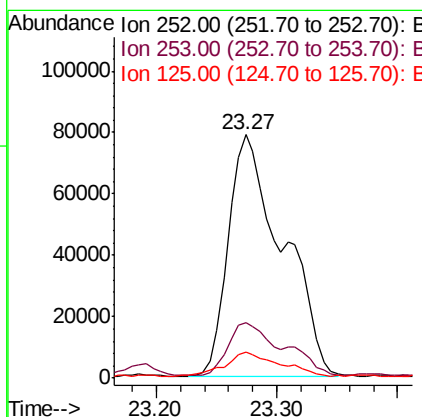
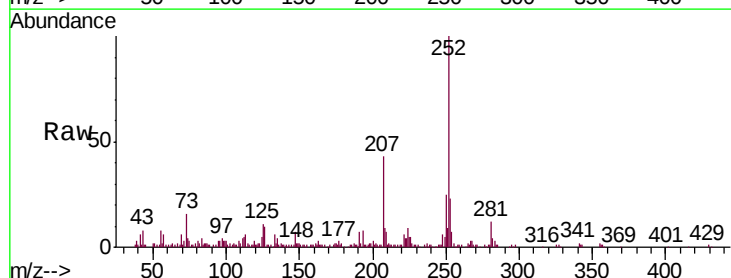
Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.6	27.8
265	23.0	17.3	25.9

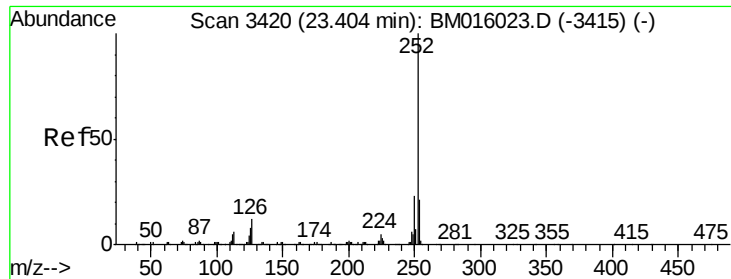


#87
Benzo(b)fluoranthene
Concen: 22.702 ng
RT: 23.27 min Scan# 3398
Delta R.T. 0.01 min
Lab File: BM016254.D
Acq: 08 Aug 2018 17:41

Tgt Ion: 252 Resp: 246606

Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.0	27.0
125	10.7	9.9	14.9

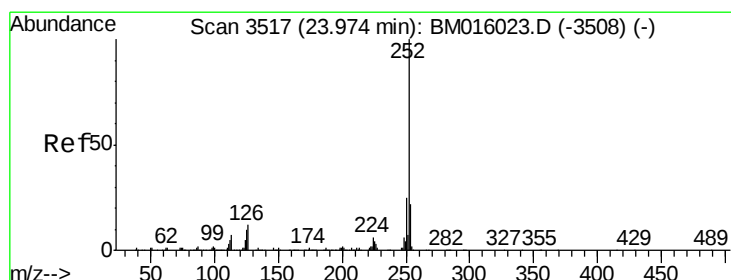
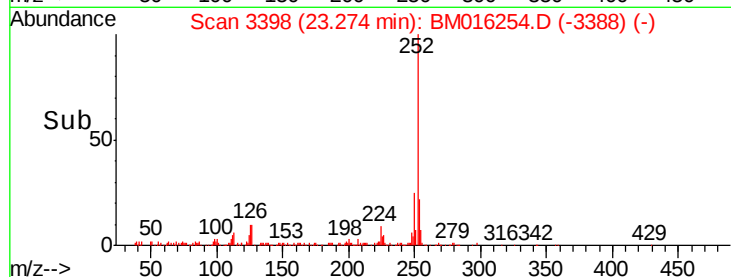
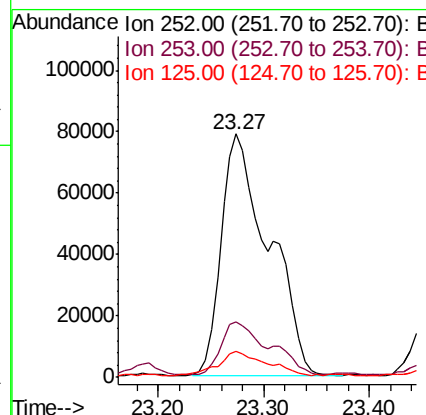
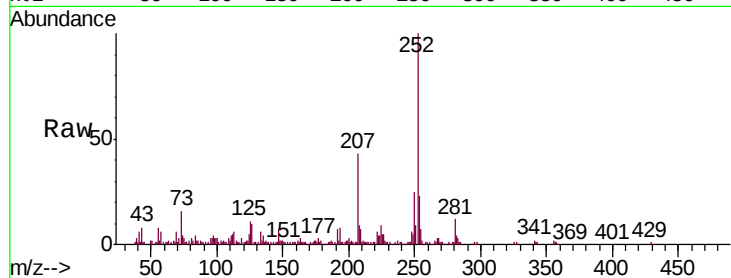




#88
Benzo(k)fluoranthene
Concen: 22.212 ng
RT: 23.27 min Scan# 3398
Delta R.T. -0.04 min
Lab File: BM016254.D
Acq: 08 Aug 2018 17:41

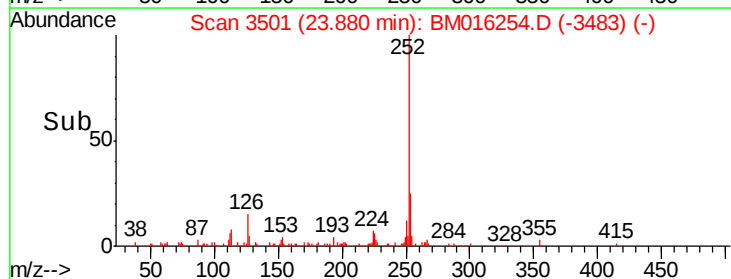
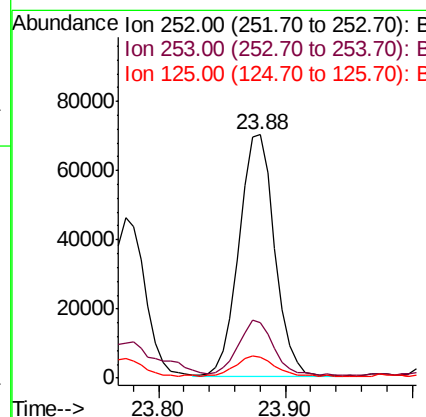
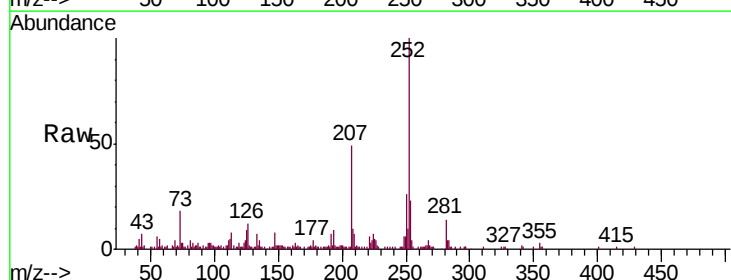
Instrument :
BNA_M
ClientSampled :
C-11

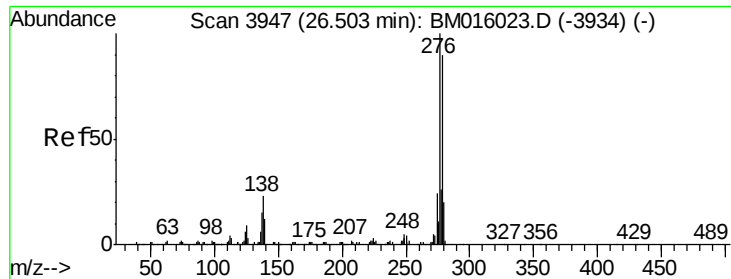
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.2	25.8
125	10.7	8.1	12.1



#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

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





#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

Instrument :

BNA_M

ClientSampled :

C-11

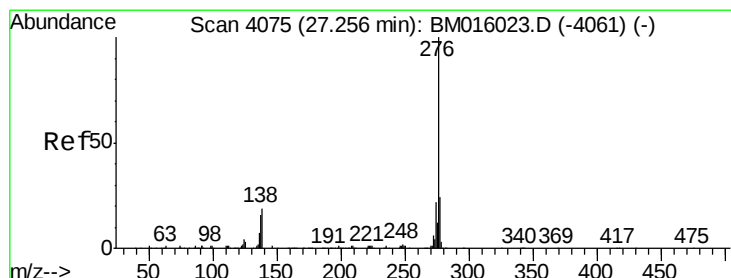
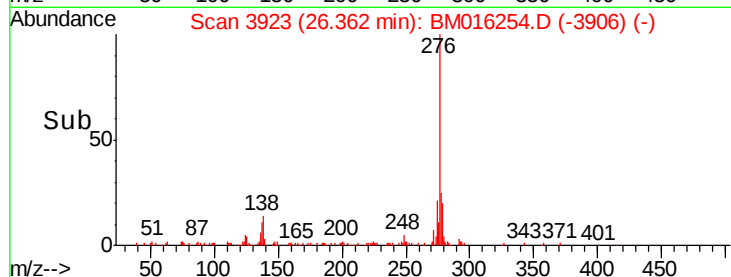
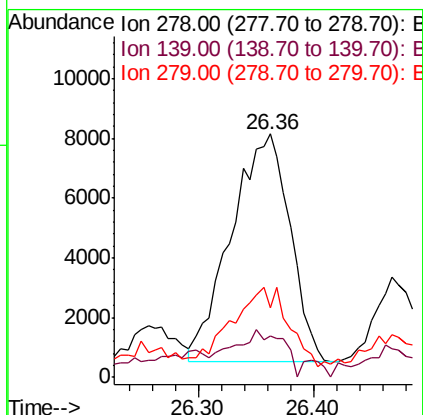
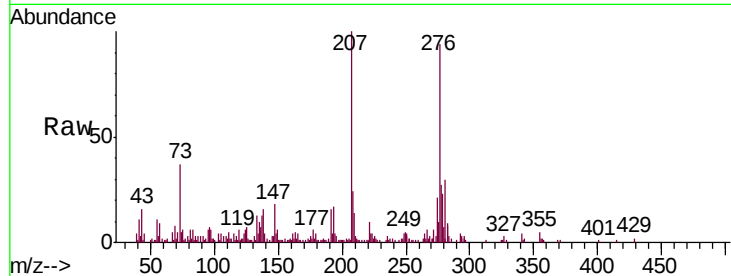
Tgt Ion:278 Resp: 27067

Ion Ratio Lower Upper

278 100

139 16.8 13.4 20.0

279 28.5 19.0 28.4#



#91

Benzo(g,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

Tgt Ion:276 Resp: 88581

Ion Ratio Lower Upper

276 100

277 23.1 18.5 27.7

138 15.9 19.0 28.6#

