

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080718\
 Data File : BM016240.D
 Acq On : 08 Aug 2018 05:20
 Operator : SJ/JU
 Sample : J4310-07
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 08 06:51:04 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

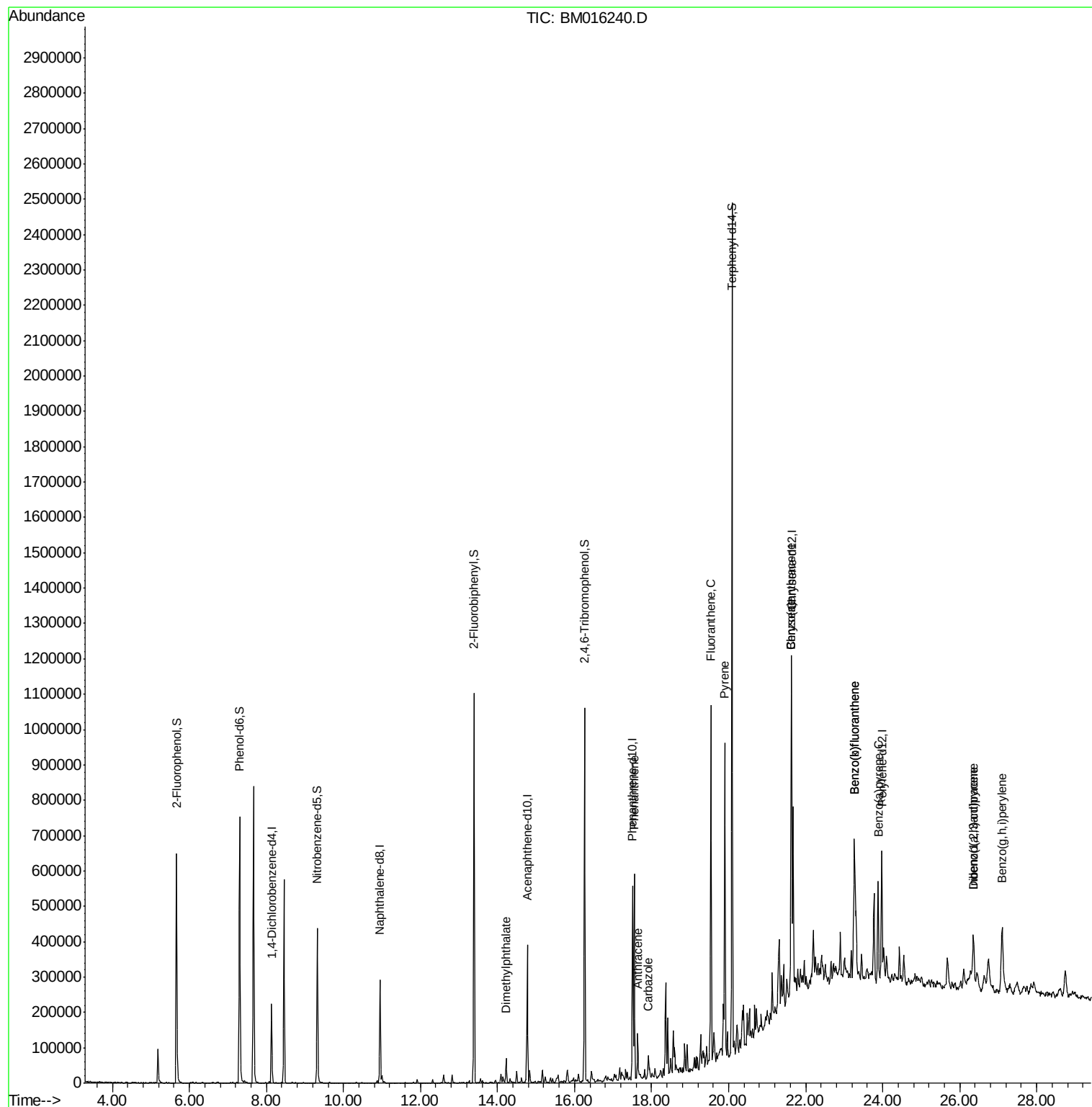
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	47678	20.00	ng	0.00
21) Naphthalene-d8	10.95	136	199783	20.00	ng	0.00
38) Acenaphthene-d10	14.77	164	110251	20.00	ng	-0.01
63) Phenanthrene-d10	17.51	188	253450	20.00	ng	0.00
75) Chrysene-d12	21.64	240	275292	20.00	ng	0.00
86) Perylene-d12	23.98	264	229749	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	239454	83.43	ng	0.00
7) Phenol-d6	7.30	99	317231	84.63	ng	0.00
23) Nitrobenzene-d5	9.32	82	213297	49.66	ng	0.00
41) 2,4,6-Tribromophenol	16.26	330	112758	80.64	ng	0.00
44) 2-Fluorobiphenyl	13.39	172	434049	47.90	ng	0.00
78) Terphenyl-d14	20.09	244	768048	58.40	ng	0.00
Target Compounds						
49) Dimethylphthalate	14.22	163	35177	3.646	ng	Qvalue # 97
70) Phenanthrene	17.55	178	287124	20.235	ng	99
71) Anthracene	17.64	178	65754	4.768	ng	97
72) Carbazole	17.92	167	29070	2.035	ng	# 92
74) Fluoranthene	19.54	202	522927	33.038	ng	98
77) Pyrene	19.90	202	466355	28.268	ng	99
80) Benzo(a)anthracene	21.62	228	272763	16.087	ng	99
82) Chrysene	21.62	228	267250	16.431	ng	95
85) Indeno(1,2,3-cd)pyrene	26.36	276	122909	6.368	ng	# 94
87) Benzo(b)fluoranthene	23.27	252	294041	21.737	ng	# 97
88) Benzo(k)fluoranthene	23.27	252	291092	21.234	ng	97
89) Benzo(a)pyrene	23.87	252	189310	14.558	ng	99
90) Dibenzo(a,h)anthracene	26.36	278	38291	2.842	ng	98
91) Benzo(g,h,i)perylene	27.10	276	115094	9.032	ng	# 90

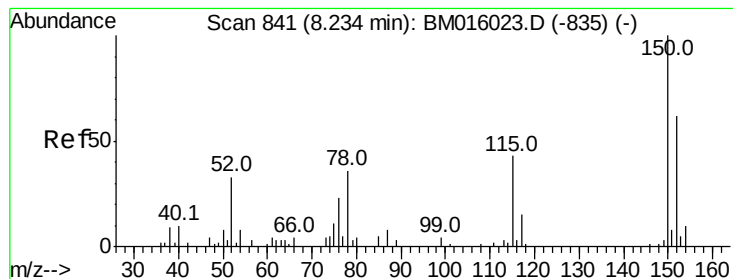
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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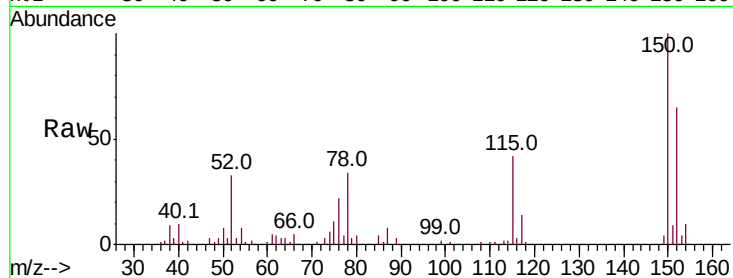




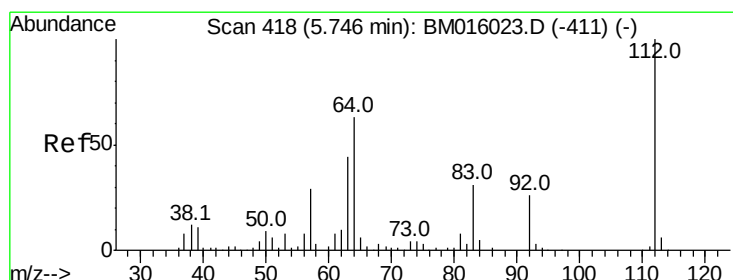
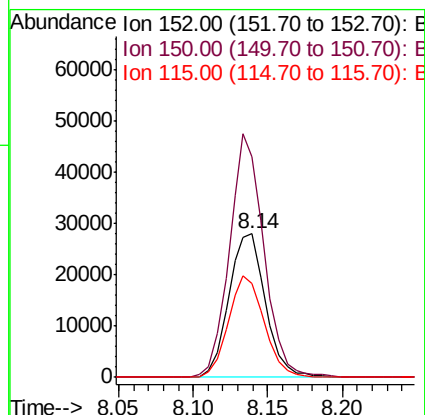
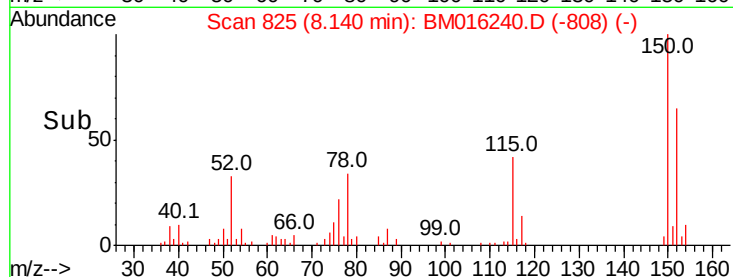
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.14 min Scan# 825
 Delta R.T. 0.00 min
 Lab File: BM016240.D
 Acq: 08 Aug 2018 05:20

Instrument :
 BNA_M
 ClientSampled :

Tot Ion:152 Resp: 47678
 Ion Ratio Lower Upper
 152 100
 150 154.3 119.5 179.3
 115 65.2 43.0 64.4#

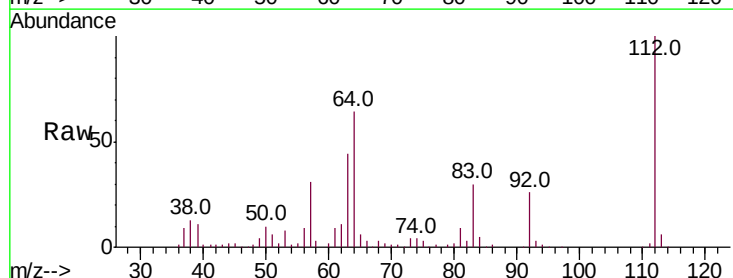


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

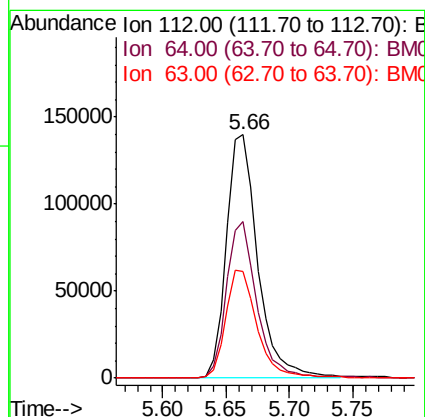
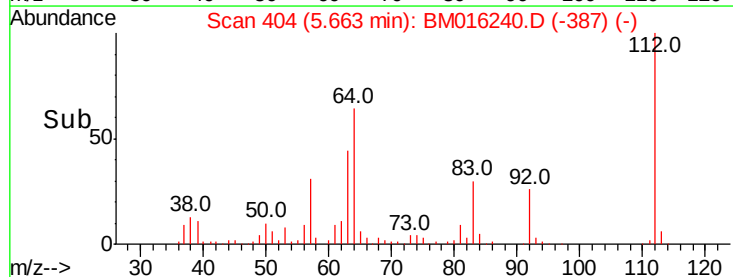


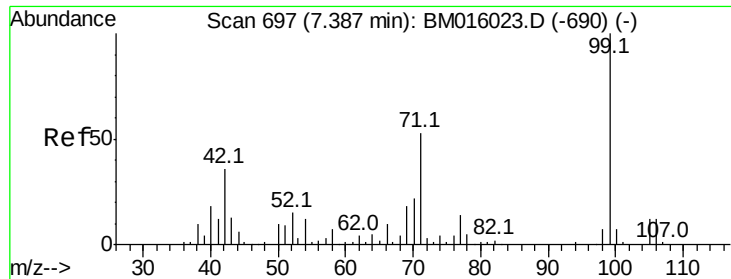
#5
 2-Fluorophenol
 Concen: Below ng
 RT: 5.66 min Scan# 404
 Delta R.T. -0.00 min
 Lab File: BM016240.D
 Acq: 08 Aug 2018 05:20

Tgt Ion:112 Resp: 239454
 Ion Ratio Lower Upper
 112 100
 64 64.3 38.6 57.8#
 63 43.9 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: BM016240.D

Acq: 08 Aug 2018 05:20

Instrument :

BNA_M

ClientSampled :

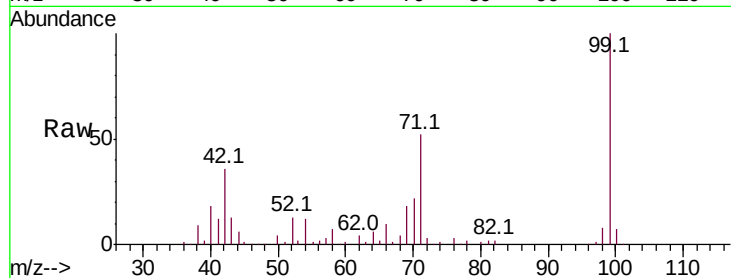
Tot Ion: 99 Resp: 317231

Ion Ratio Lower Upper

99 100

42 35.9 11.0 16.4#

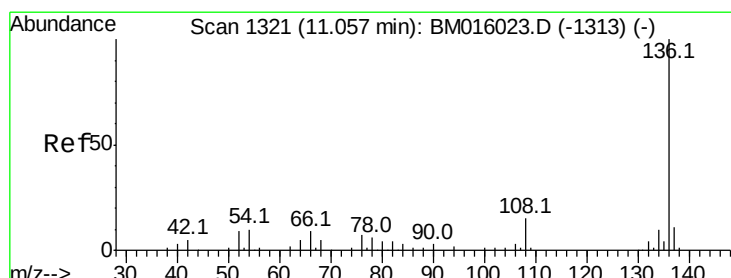
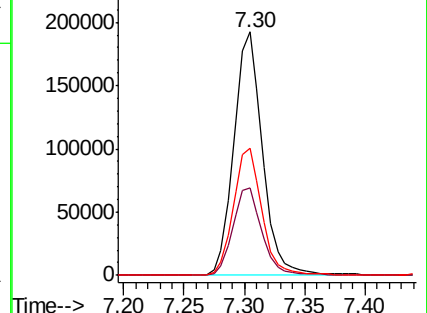
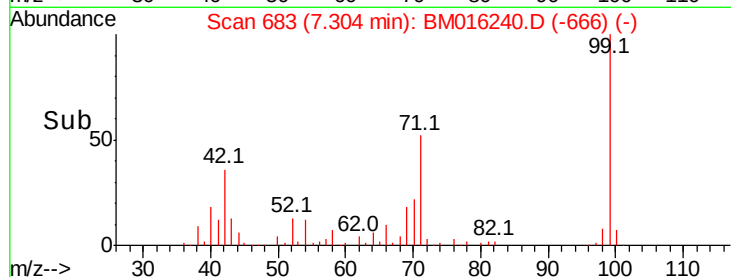
71 52.4 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM016240.D (-690) (-)

Ion 42.00 (41.70 to 42.70): BM016240.D (-690) (-)

Ion 71.00 (70.70 to 71.70): BM016240.D (-690) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.95 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BM016240.D

Acq: 08 Aug 2018 05:20

Tgt Ion: 136 Resp: 199783

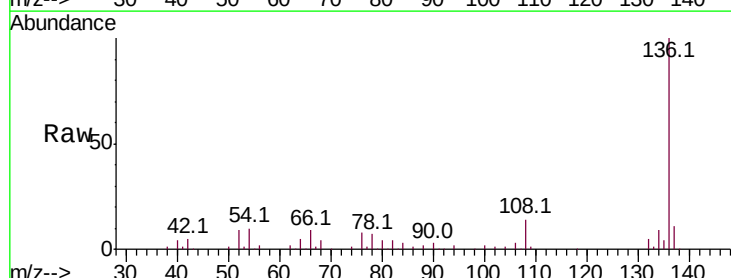
Ion Ratio Lower Upper

136 100

137 11.2 8.7 13.1

54 10.0 4.6 6.8#

68 3.8 3.7 5.5

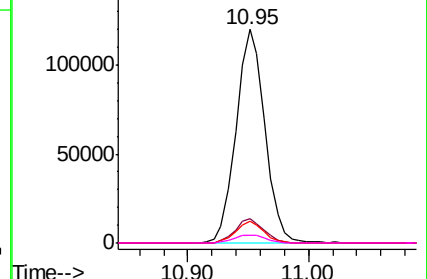
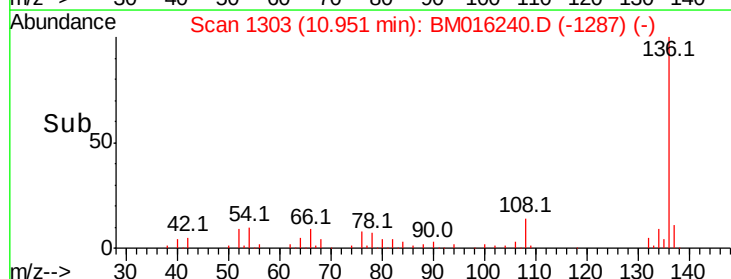


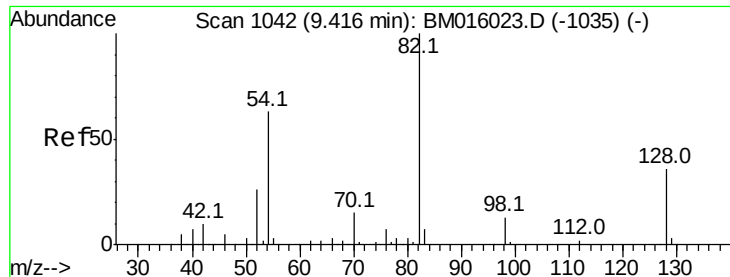
Abundance Ion 136.00 (135.70 to 136.70): BM016240.D (-1287) (-)

Ion 137.00 (136.70 to 137.70): BM016240.D (-1287) (-)

Ion 54.00 (53.70 to 54.70): BM016240.D (-1287) (-)

Ion 68.00 (67.70 to 68.70): BM016240.D (-1287) (-)

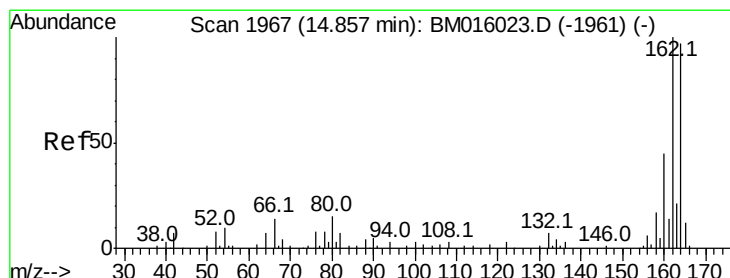
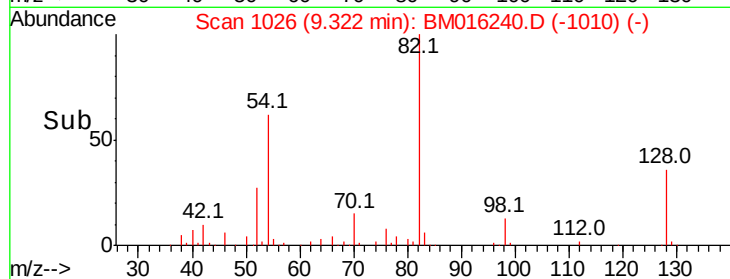
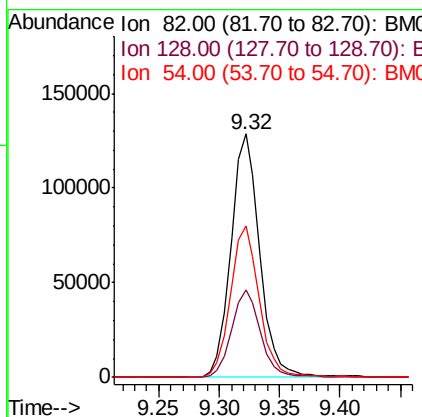
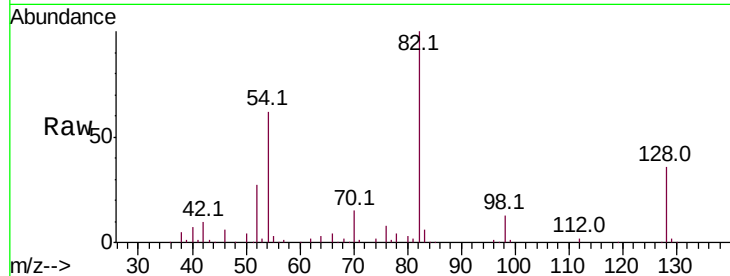




#23
Nitrobenzene-d5
Concen: Below na
RT: 9.32 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BM016240.D
Acq: 08 Aug 2018 05:20

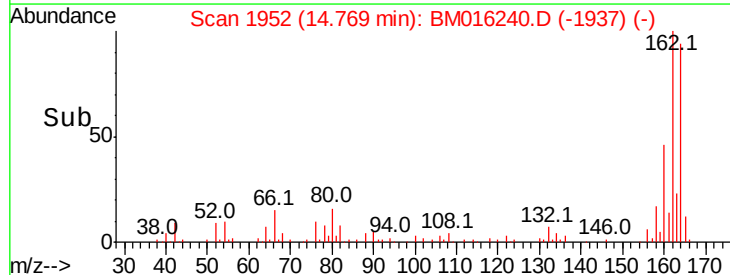
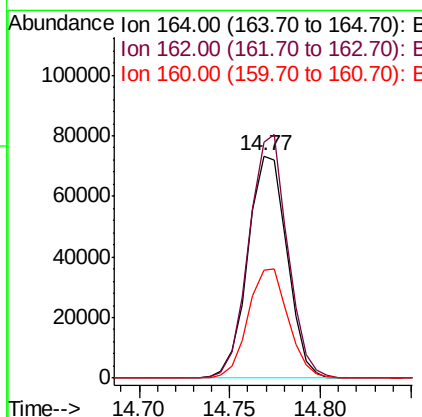
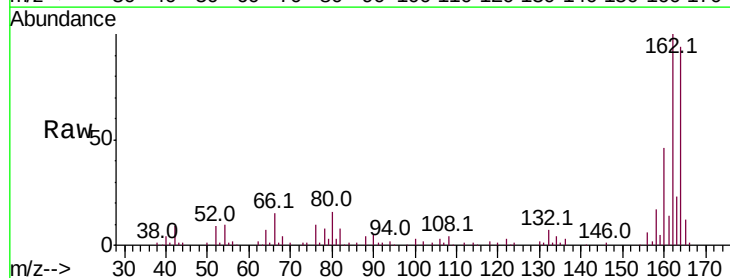
Instrument :
BNA_M
ClientSampleID :

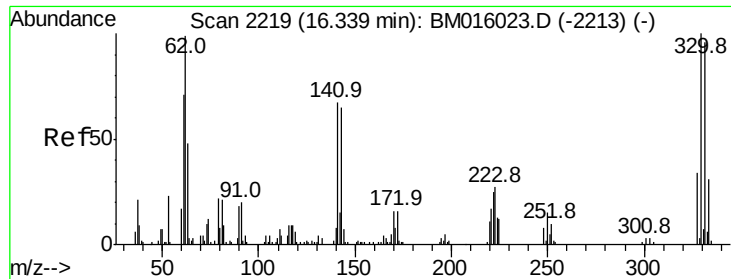
Tot Ion	82	Resp	213297
Ion Ratio	Lower	Upper	
82	100		
128	36.1	32.8	49.2
54	62.4	40.6	60.8#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.77 min Scan# 1952
Delta R.T. -0.01 min
Lab File: BM016240.D
Acq: 08 Aug 2018 05:20

Tgt Ion	164	Resp	110251
Ion Ratio	Lower	Upper	
164	100		
162	106.3	82.4	123.6
160	48.7	35.8	53.6

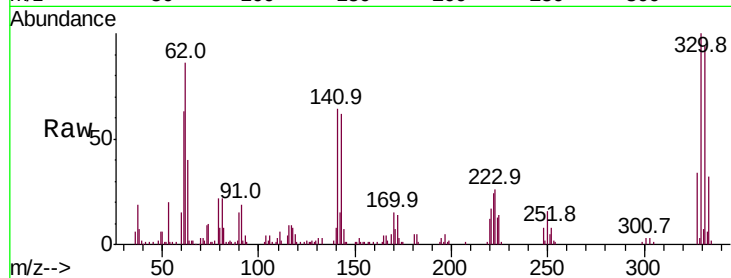




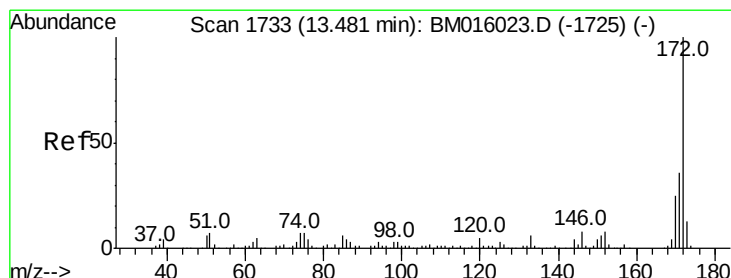
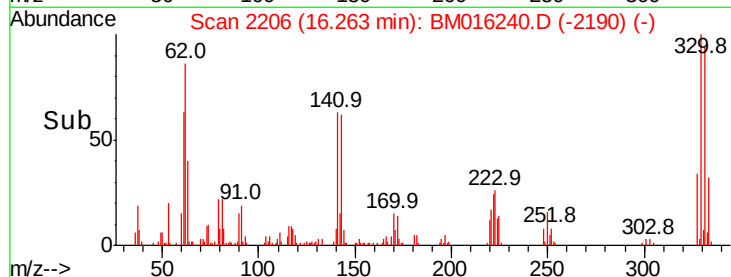
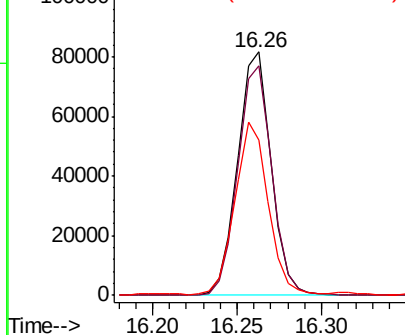
#41
 2,4,6-Tribromophenol
 Concen: N.D. ng
 RT: 16.26 min Scan# 2206
 Delta R.T. -0.01 min
 Lab File: BM016240.D
 Acq: 08 Aug 2018 05:20

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:330 Resp: 112758
 Ion Ratio Lower Upper
 330 100
 332 95.8 0.0 0.0#
 141 69.7 0.0 0.0#

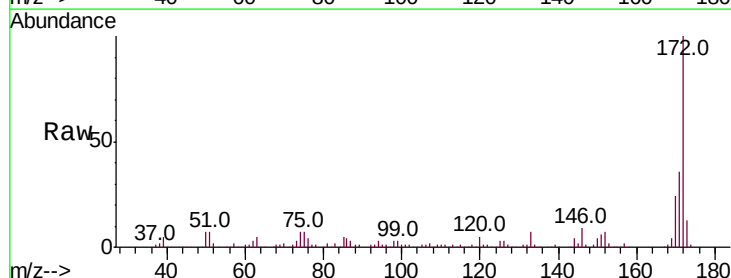


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

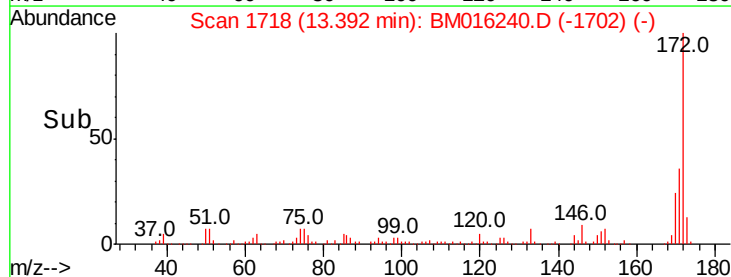
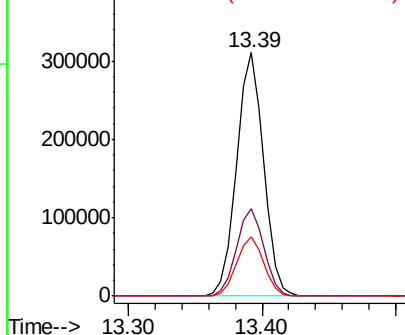


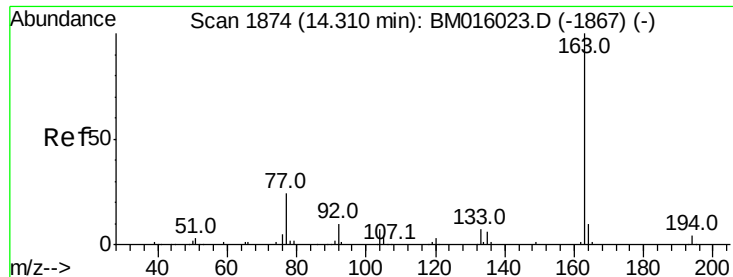
#44
 2-Fluorobiphenyl
 Concen: N.D. ng
 RT: 13.39 min Scan# 1718
 Delta R.T. -0.01 min
 Lab File: BM016240.D
 Acq: 08 Aug 2018 05:20

Tgt Ion:172 Resp: 434049
 Ion Ratio Lower Upper
 172 100
 171 35.9 28.5 42.7
 170 24.2 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: 3.646 ng

RT: 14.22 min Scan# 1859

Delta R.T. -0.02 min

Lab File: BM016240.D

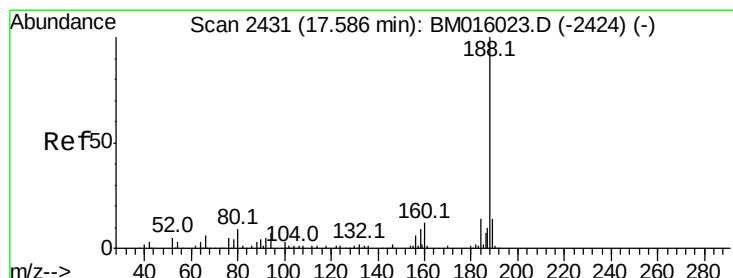
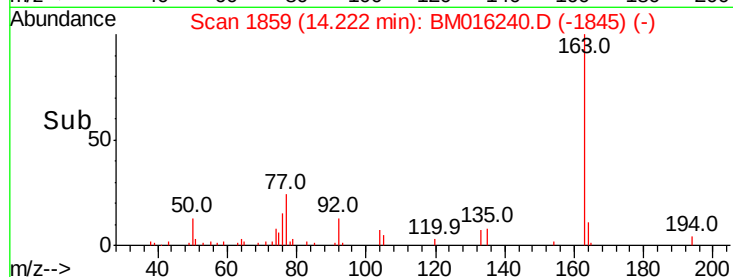
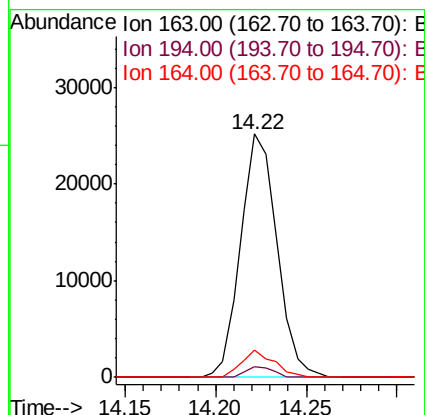
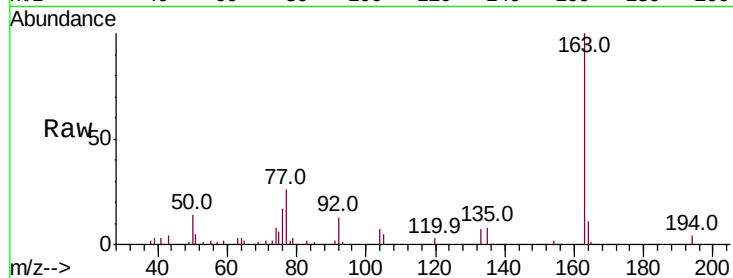
Acq: 08 Aug 2018 05:20

Instrument :

BNA_M

ClientSampleId :

Tot Ion:163	Resp:	35177
Ion Ratio	Lower	Upper
163	100	
194	4.2	2.7 4.1#
164	11.1	8.2 12.2



#63

Phenanthrene-d10

Concen: 20.000 ng

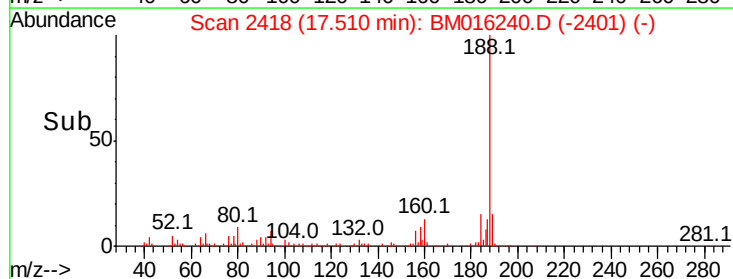
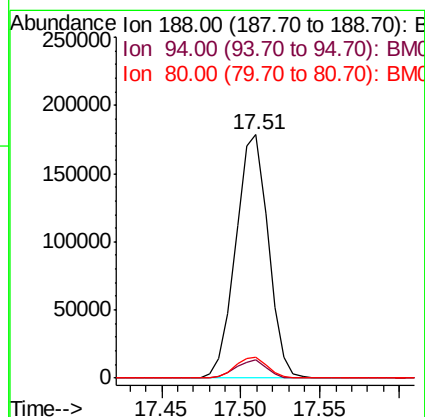
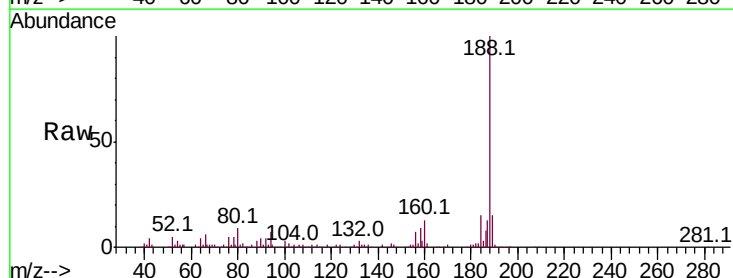
RT: 17.51 min Scan# 2418

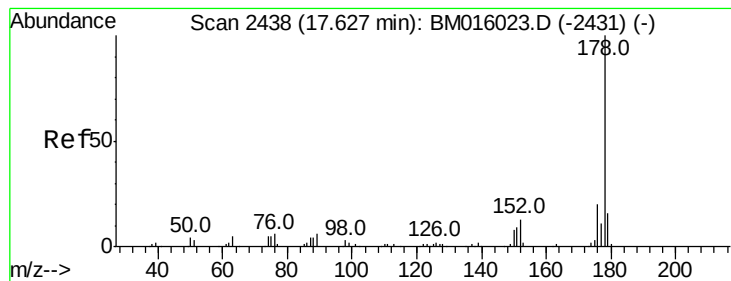
Delta R.T. 0.00 min

Lab File: BM016240.D

Acq: 08 Aug 2018 05:20

Tgt Ion:188	Resp:	253450
Ion Ratio	Lower	Upper
188	100	
94	7.4	8.7 13.1#
80	8.8	9.3 13.9#





#70

Phenanthrene

Concen: 20.235 ng

RT: 17.55 min Scan# 2425

Delta R.T. -0.01 min

Lab File: BM016240.D

Acq: 08 Aug 2018 05:20

Instrument :

BNA_M

ClientSampleId :

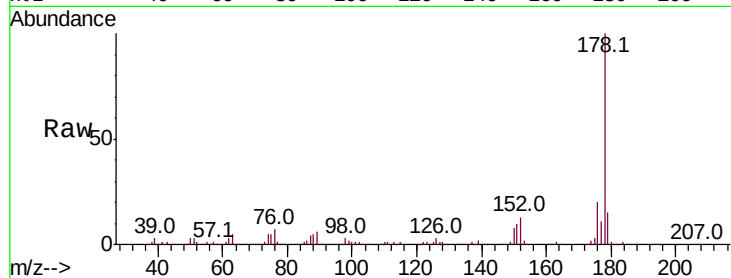
Tot Ion:178 Resp: 287124

Ion Ratio Lower Upper

178 100

176 19.8 15.2 22.8

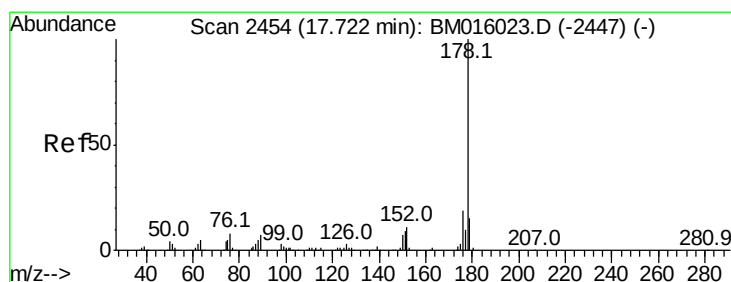
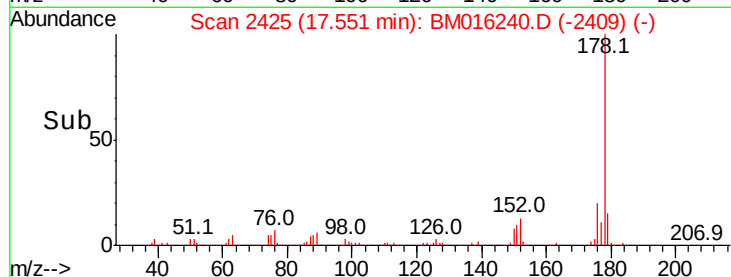
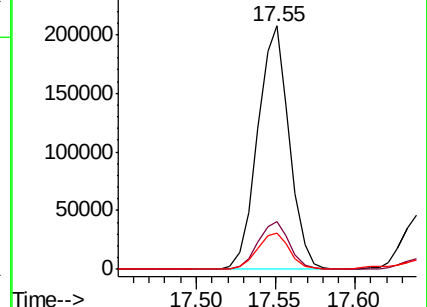
179 15.1 12.1 18.1



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: 4.768 ng

RT: 17.64 min Scan# 2440

Delta R.T. -0.01 min

Lab File: BM016240.D

Acq: 08 Aug 2018 05:20

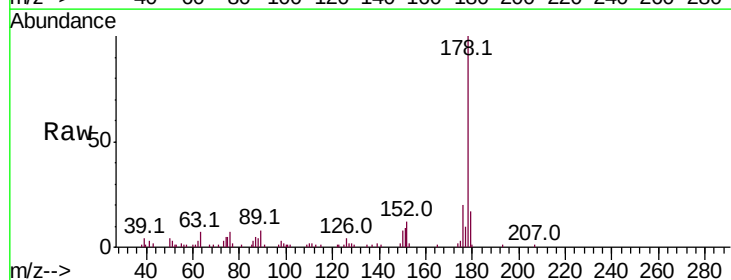
Tgt Ion:178 Resp: 65754

Ion Ratio Lower Upper

178 100

176 20.0 14.6 22.0

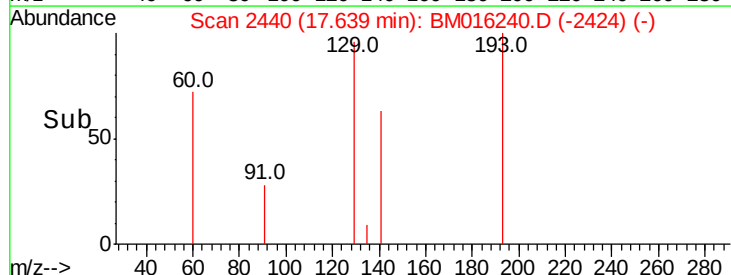
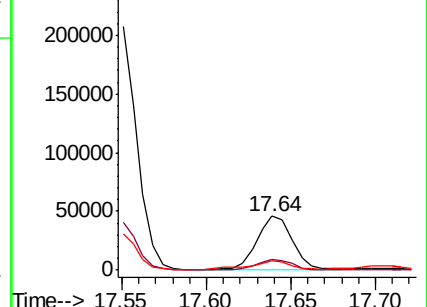
179 16.5 12.6 19.0

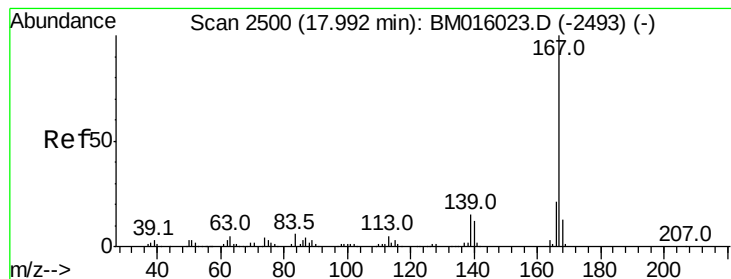


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 2.035 ng

RT: 17.92 min Scan# 2487

Delta R.T. -0.01 min

Lab File: BM016240.D

Acq: 08 Aug 2018 05:20

Instrument :

BNA_M

ClientSampled :

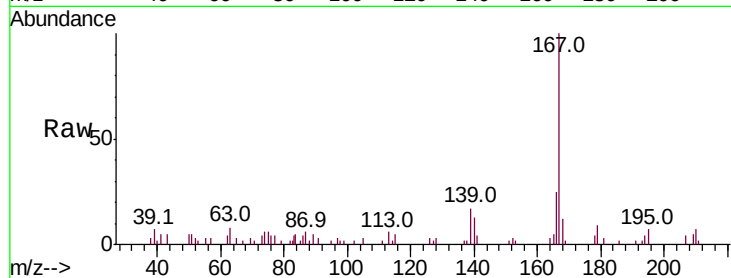
Tot Ion:167 Resp: 29070

Ion Ratio Lower Upper

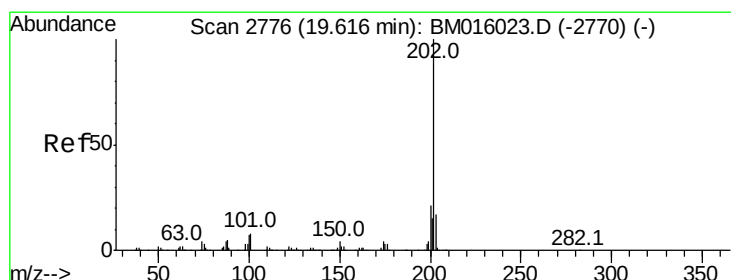
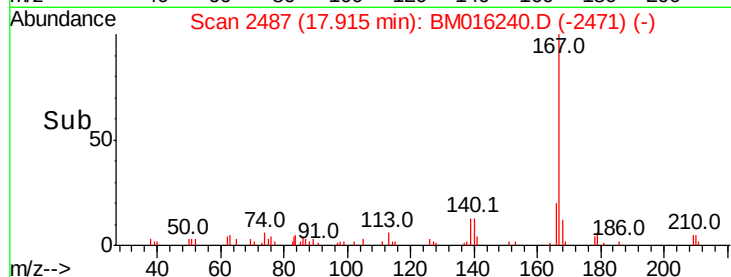
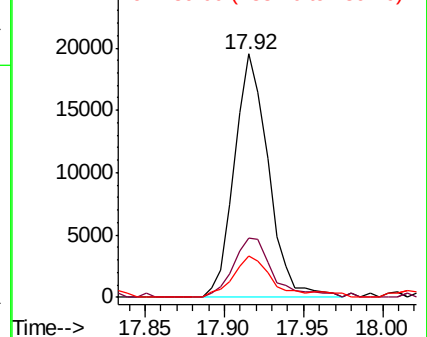
167 100

166 24.6 17.2 25.8

139 17.1 10.8 16.2#



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: 33.038 ng

RT: 19.54 min Scan# 2764

Delta R.T. -0.00 min

Lab File: BM016240.D

Acq: 08 Aug 2018 05:20

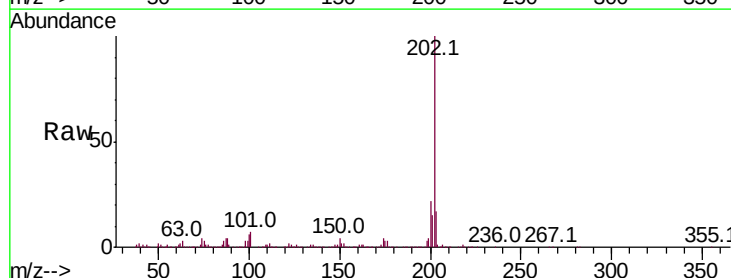
Tgt Ion:202 Resp: 522927

Ion Ratio Lower Upper

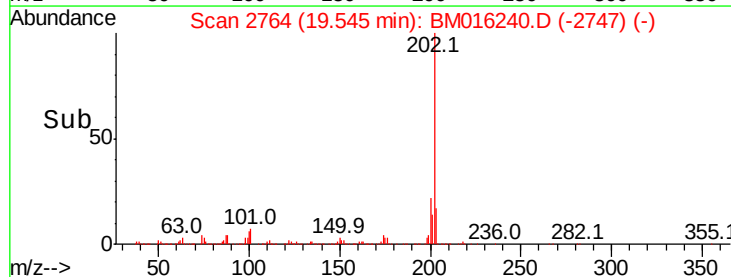
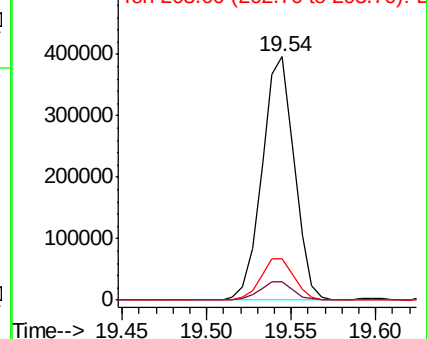
202 100

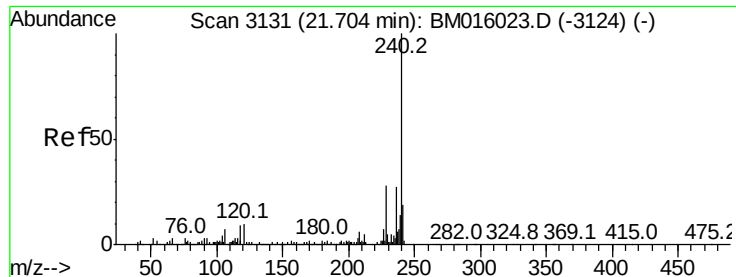
101 7.3 0.0 28.7

203 17.0 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. -0.01 min

Lab File: BM016240.D

Acq: 08 Aug 2018 05:20

Instrument :

BNA_M

ClientSampleId :

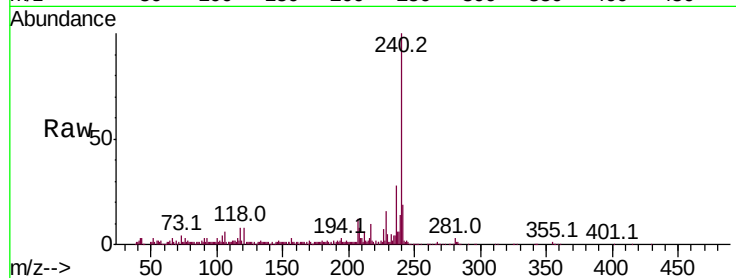
Tot Ion:240 Resp: 275292

Ion Ratio Lower Upper

240 100

120 7.7 8.2 12.2#

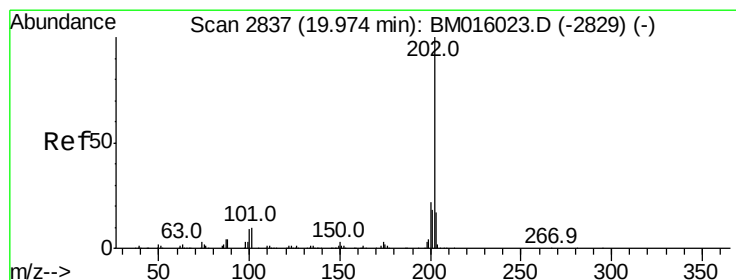
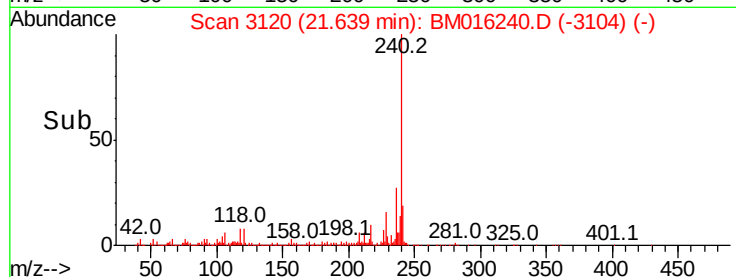
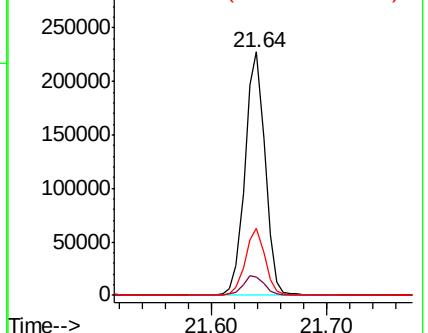
236 27.6 20.0 30.0



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 28.268 ng

RT: 19.90 min Scan# 2825

Delta R.T. -0.00 min

Lab File: BM016240.D

Acq: 08 Aug 2018 05:20

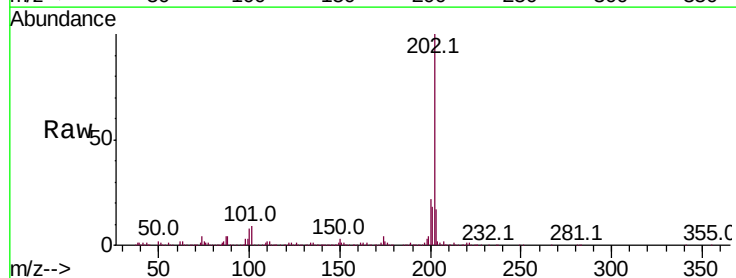
Tgt Ion:202 Resp: 466355

Ion Ratio Lower Upper

202 100

200 21.7 16.9 25.3

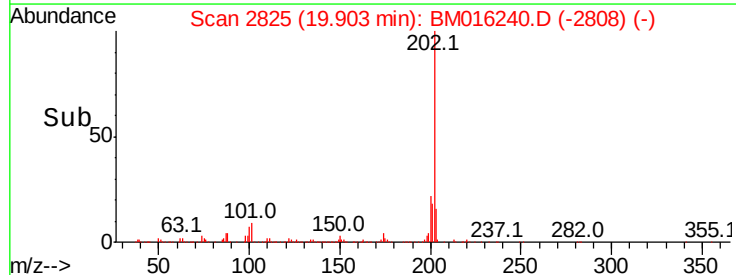
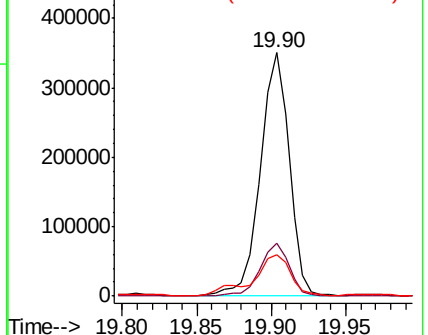
203 17.2 14.1 21.1

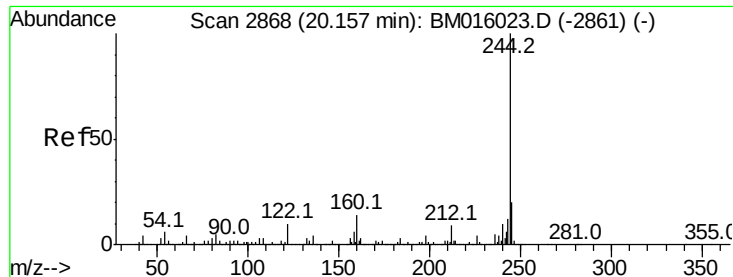


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 28.268 ng

RT: 20.09 min Scan# 2856

Delta R.T. -0.01 min

Lab File: BM016240.D

Acq: 08 Aug 2018 05:20

Instrument :

BNA_M

ClientSampled :

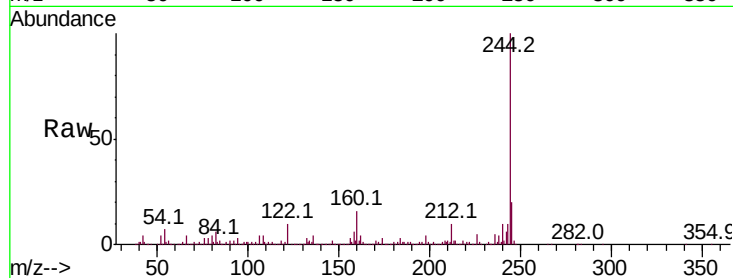
Tot Ion:244 Resp: 768048

Ion Ratio Lower Upper

244 100

212 10.0 4.9 7.3#

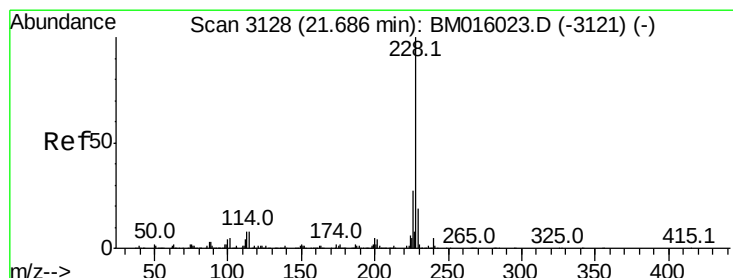
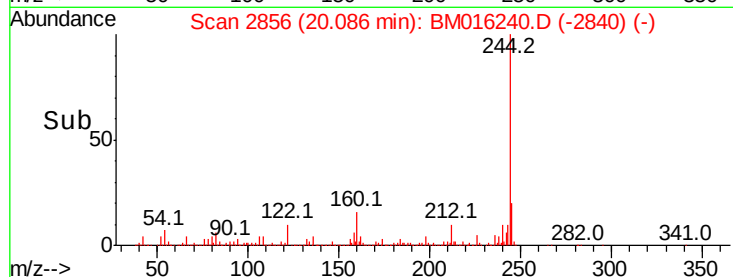
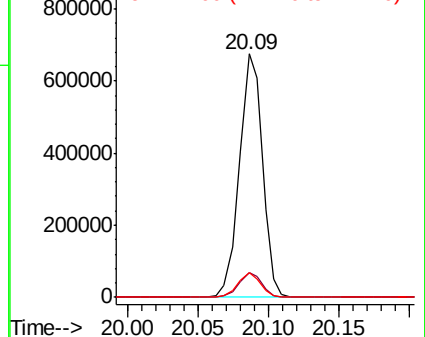
122 10.2 6.2 9.4#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 16.087 ng

RT: 21.62 min Scan# 3117

Delta R.T. -0.01 min

Lab File: BM016240.D

Acq: 08 Aug 2018 05:20

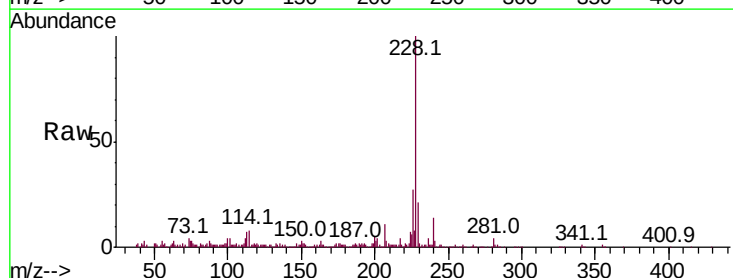
Tgt Ion:228 Resp: 272763

Ion Ratio Lower Upper

228 100

226 26.7 21.7 32.5

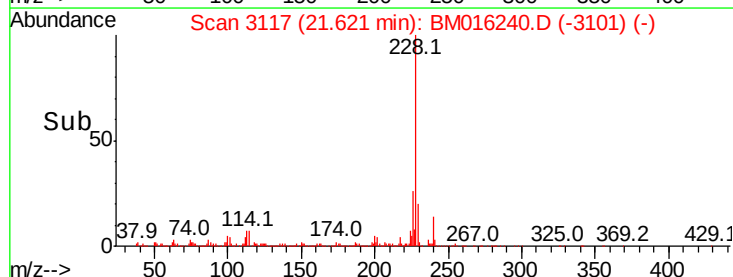
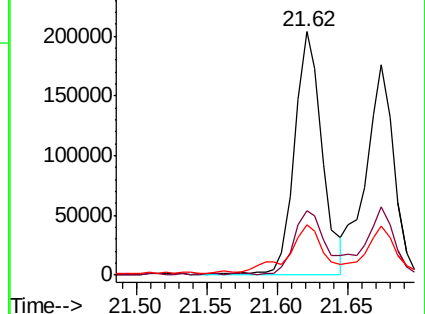
229 20.7 16.0 24.0

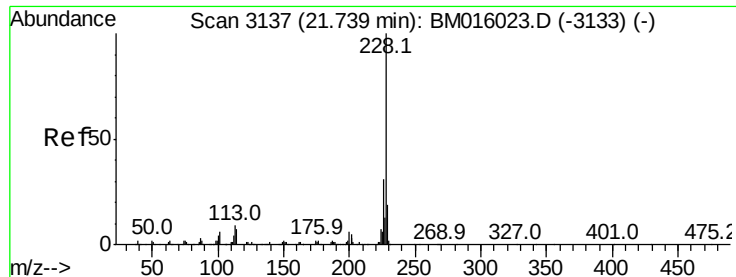


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 16.431 ng

RT: 21.62 min Scan# 3117

Delta R.T. -0.06 min

Lab File: BM016240.D

Acq: 08 Aug 2018 05:20

Instrument :

BNA_M

ClientSampled :

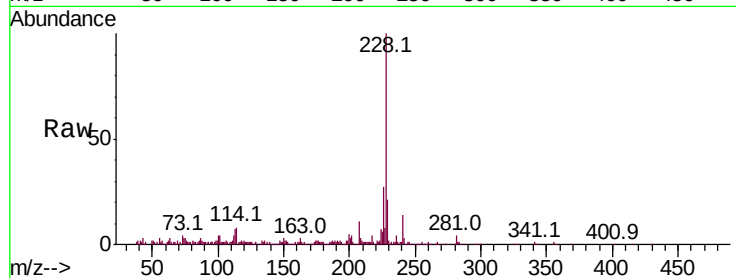
Tot Ion:228 Resp: 267250

Ion Ratio Lower Upper

228 100

226 26.7 24.1 36.1

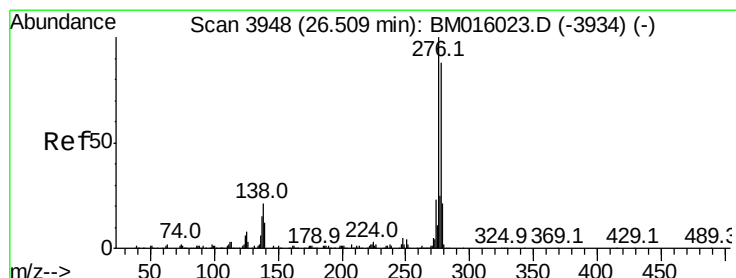
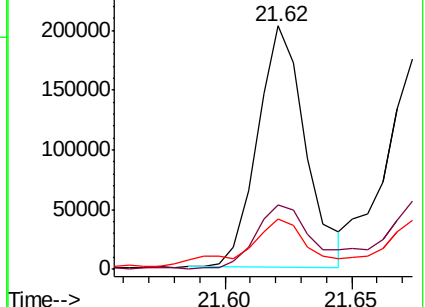
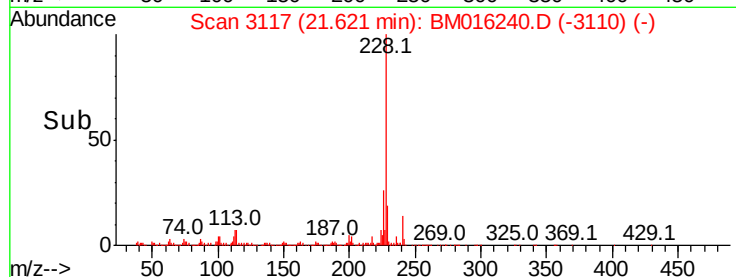
229 20.7 15.5 23.3



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 6.368 ng

RT: 26.36 min Scan# 3923

Delta R.T. -0.01 min

Lab File: BM016240.D

Acq: 08 Aug 2018 05:20

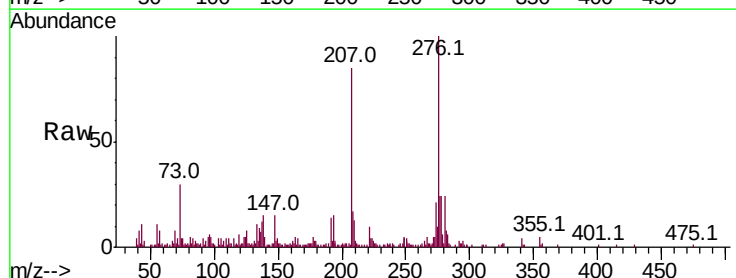
Tgt Ion:276 Resp: 122909

Ion Ratio Lower Upper

276 100

138 19.1 12.0 18.0#

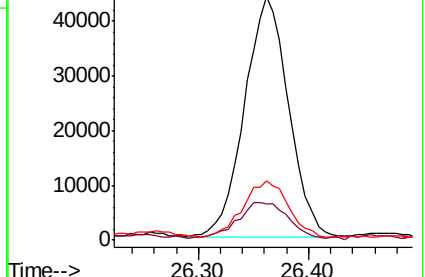
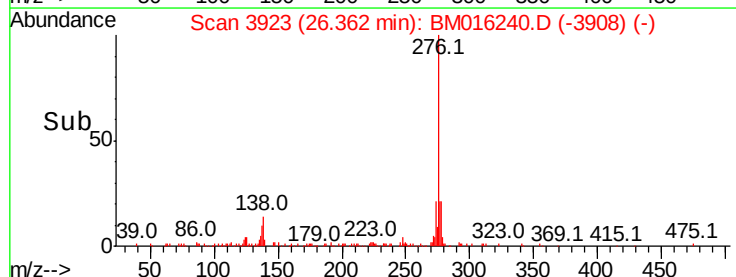
277 23.4 20.0 30.0

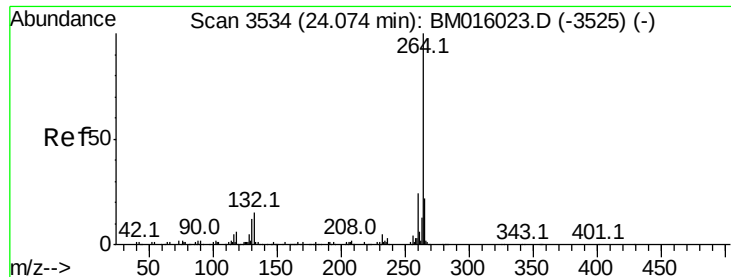


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#86

Pervlene-d12

Concen: 20.000 ng

RT: 23.98 min Scan# 3518

Delta R.T. 0.00 min

Lab File: BM016240.D

Acq: 08 Aug 2018 05:20

Instrument :

BNA_M

ClientSampleId :

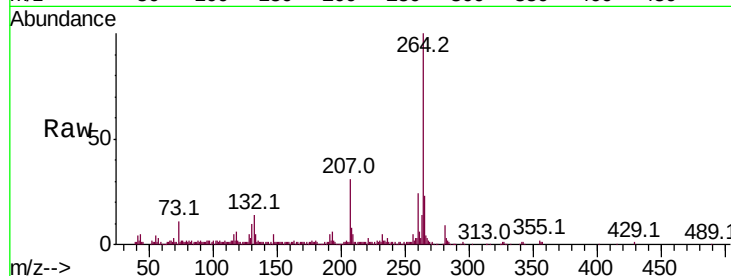
Tot Ion:264 Resp: 229749

Ion Ratio Lower Upper

264 100

260 24.0 18.6 27.8

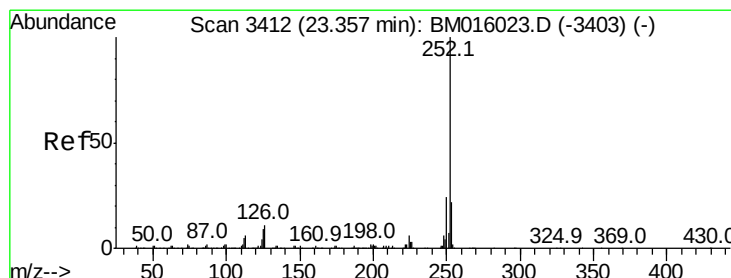
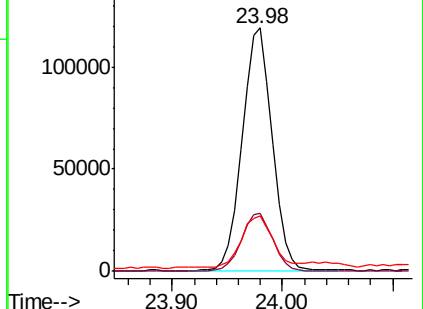
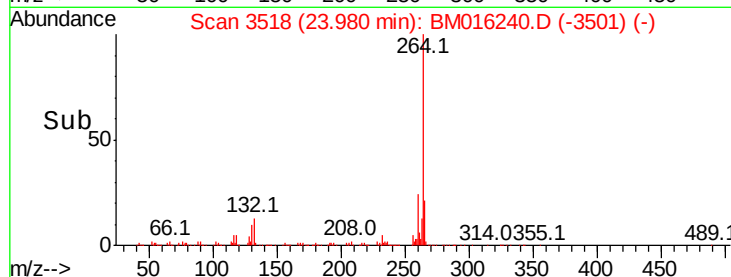
265 23.0 17.3 25.9



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 21.737 ng

RT: 23.27 min Scan# 3398

Delta R.T. -0.00 min

Lab File: BM016240.D

Acq: 08 Aug 2018 05:20

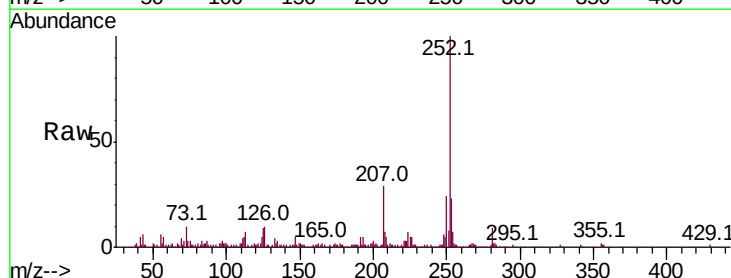
Tgt Ion:252 Resp: 294041

Ion Ratio Lower Upper

252 100

253 22.8 18.0 27.0

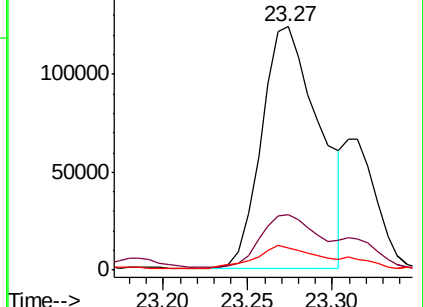
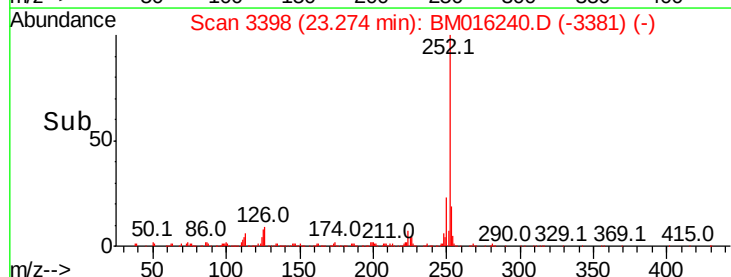
125 9.0 9.9 14.9#

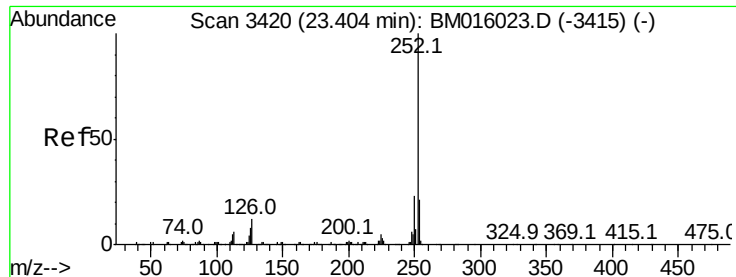


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 21.234 ng

RT: 23.27 min Scan# 3398

Delta R.T. -0.05 min

Lab File: BM016240.D

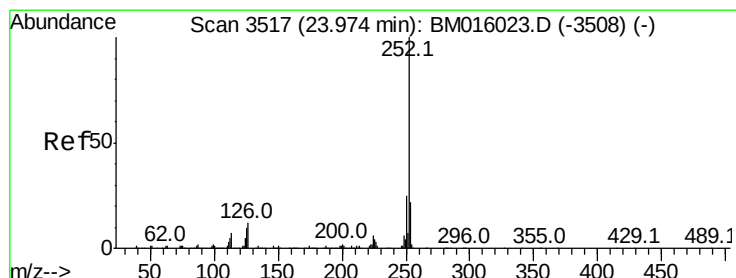
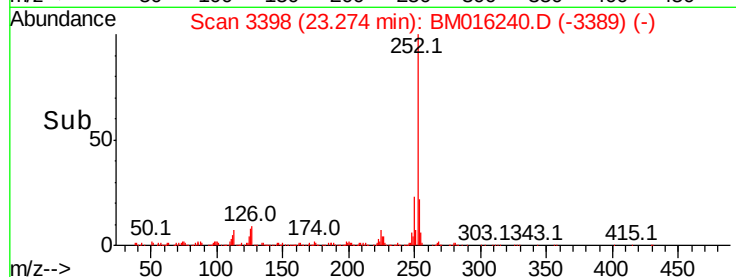
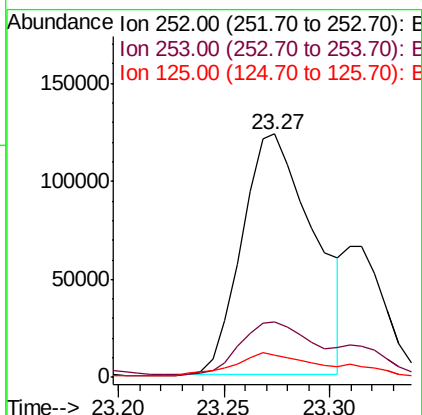
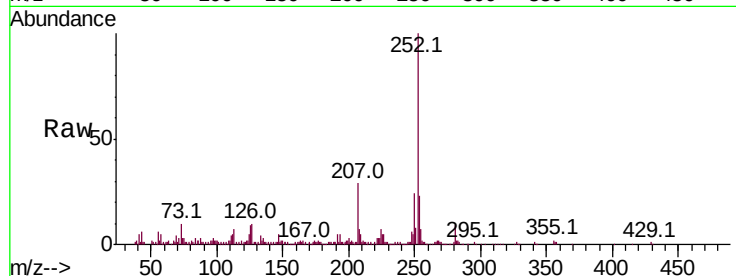
Acq: 08 Aug 2018 05:20

Instrument :

BNA_M

ClientSampleId :

Tot Ion:252	Resp:	291092
Ion Ratio	Lower	Upper
252	100	
253	22.8	17.2 25.8
125	9.0	8.1 12.1



#89

Benzo(a)pyrene

Concen: 14.558 ng

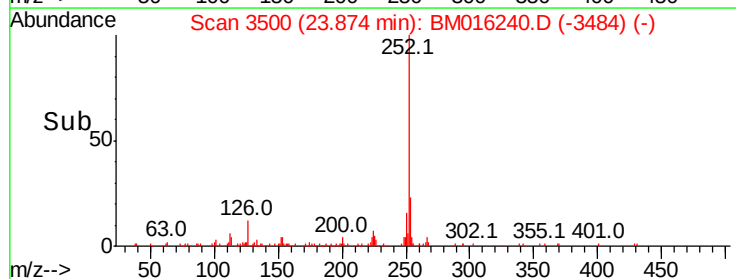
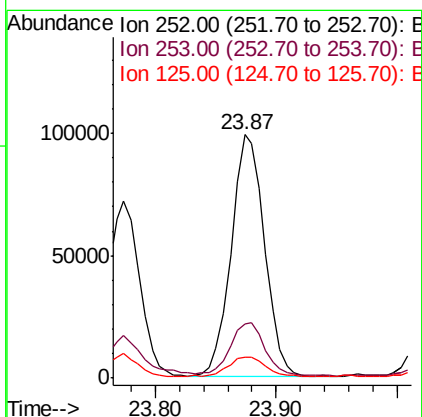
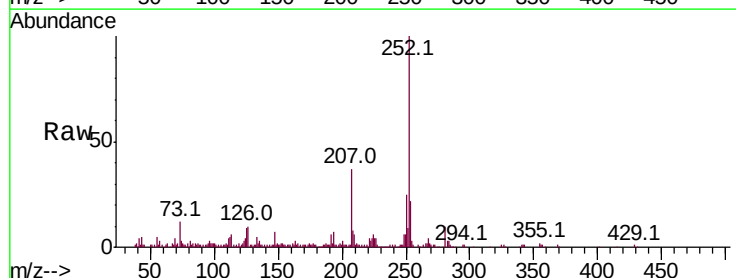
RT: 23.87 min Scan# 3500

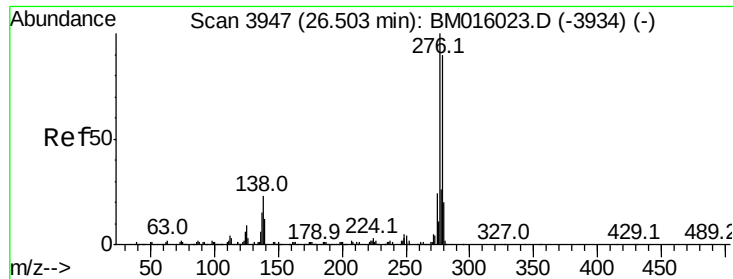
Delta R.T. -0.01 min

Lab File: BM016240.D

Acq: 08 Aug 2018 05:20

Tgt Ion:252	Resp:	189310
Ion Ratio	Lower	Upper
252	100	
253	22.5	17.6 26.4
125	8.6	7.4 11.2





#90

Dibenzo(a,h)anthracene

Concen: 2.842 ng

RT: 26.36 min Scan# 3923

Delta R.T. -0.01 min

Lab File: BM016240.D

Acq: 08 Aug 2018 05:20

Instrument :

BNA_M

ClientSampled :

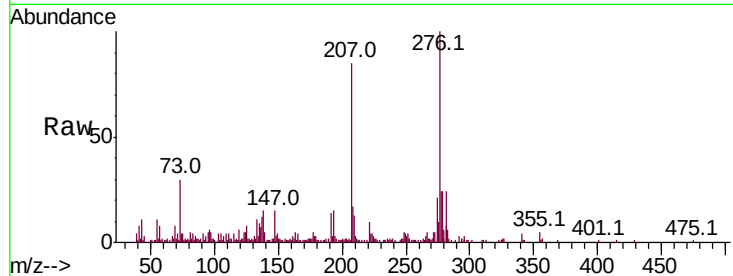
Tot Ion:278 Resp: 38291

Ion Ratio Lower Upper

278 100

139 18.8 13.4 20.0

279 24.0 19.0 28.4

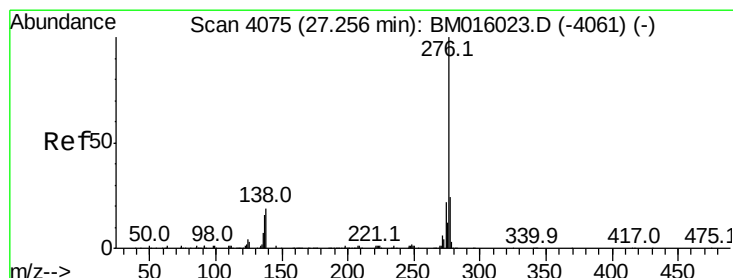
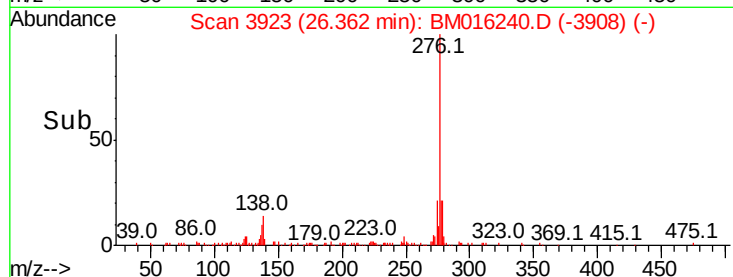
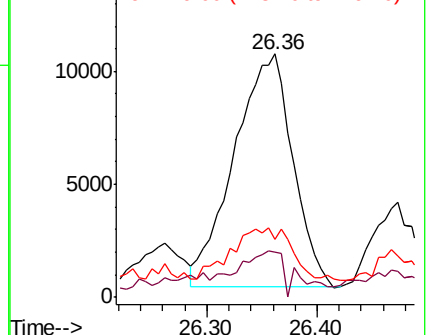


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 9.032 ng

RT: 27.10 min Scan# 4048

Delta R.T. -0.01 min

Lab File: BM016240.D

Acq: 08 Aug 2018 05:20

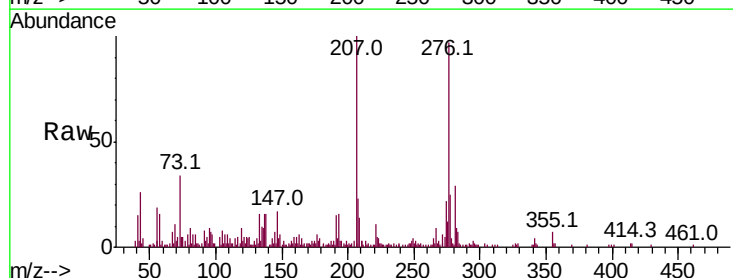
Tgt Ion:276 Resp: 115094

Ion Ratio Lower Upper

276 100

277 26.1 18.5 27.7

138 16.7 19.0 28.6#



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

