

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080718\
 Data File : BM016232.D
 Acq On : 08 Aug 2018 00:31
 Operator : SJ/JU
 Sample : J4345-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 08 01:40:16 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

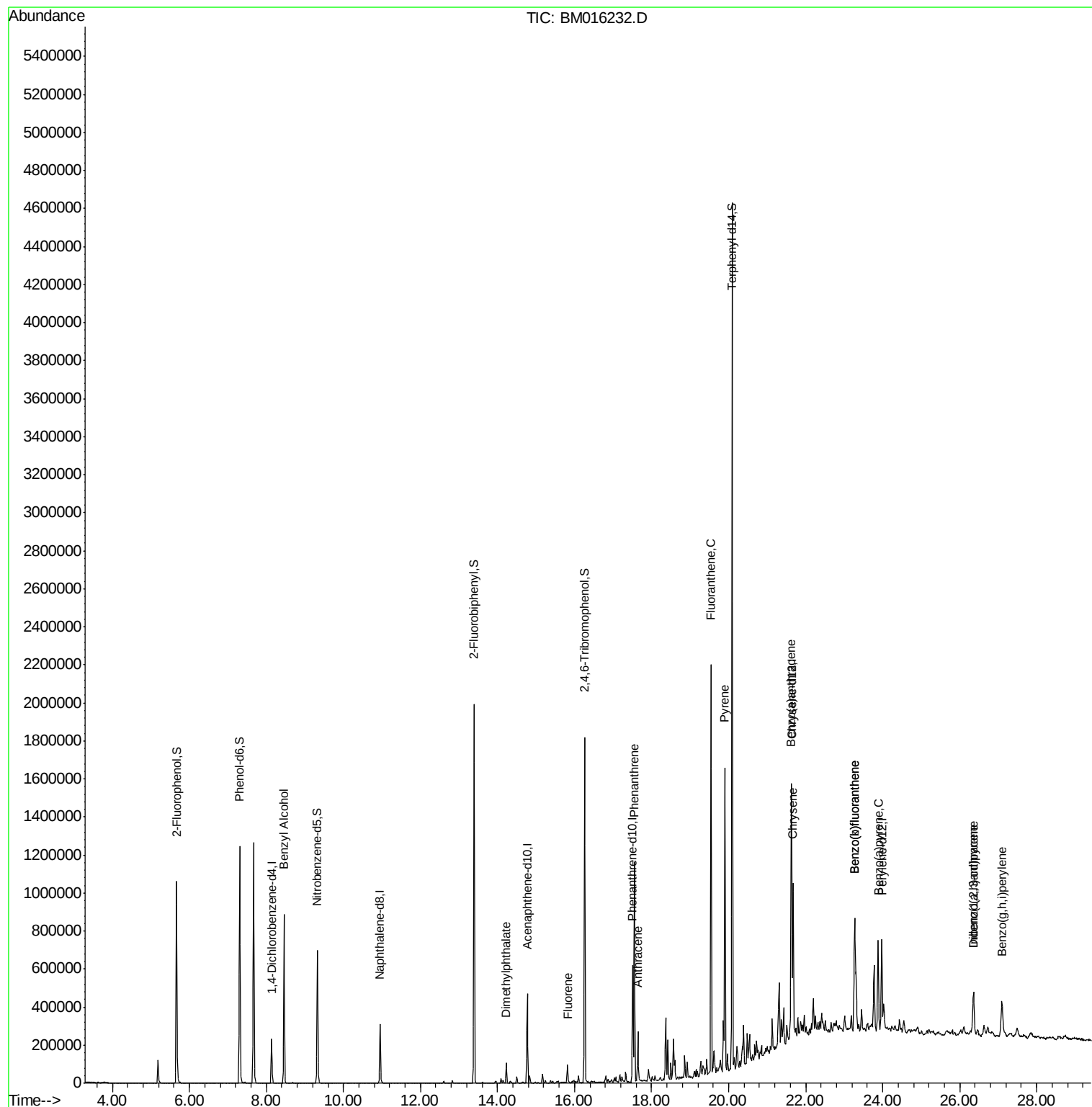
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	50938	20.00	ng	0.00
21) Naphthalene-d8	10.95	136	220352	20.00	ng	0.00
38) Acenaphthene-d10	14.77	164	128267	20.00	ng	0.00
63) Phenanthrene-d10	17.51	188	297882	20.00	ng	0.00
75) Chrysene-d12	21.64	240	358946	20.00	ng	0.00
86) Perylene-d12	23.98	264	303802	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	364774	118.95	ng	0.00
7) Phenol-d6	7.30	99	504924	126.08	ng	0.00
23) Nitrobenzene-d5	9.32	82	351750	74.25	ng	0.00
41) 2,4,6-Tribromophenol	16.26	330	195842	120.38	ng	0.00
44) 2-Fluorobiphenyl	13.39	172	778530	73.85	ng	0.00
78) Terphenyl-d14	20.09	244	1505734	87.81	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.46	79	6425	2.015	ng	Qvalue # 23
49) Dimethylphthalate	14.23	163	58173	5.182	ng	99
57) Fluorene	15.82	166	37459	3.774	ng	96
70) Phenanthrene	17.55	178	583740	35.002	ng	99
71) Anthracene	17.64	178	141042	8.702	ng	98
74) Fluoranthene	19.54	202	1053670	56.640	ng	98
77) Pyrene	19.90	202	845629	39.312	ng	99
80) Benzo(a)anthracene	21.62	228	478450	21.642	ng	100
82) Chrysene	21.67	228	367861	17.346	ng	96
85) Indeno(1,2,3-cd)pyrene	26.36	276	177788	7.065	ng	97
87) Benzo(b)fluoranthene	23.27	252	472234	26.401	ng	# 96
88) Benzo(k)fluoranthene	23.27	252	470464	25.953	ng	97
89) Benzo(a)pyrene	23.88	252	312454	18.171	ng	99
90) Dibenzo(a,h)anthracene	26.36	278	50651	2.843	ng	# 91
91) Benzo(a,h,i)perylene	27.10	276	159800	9.484	ng	# 89

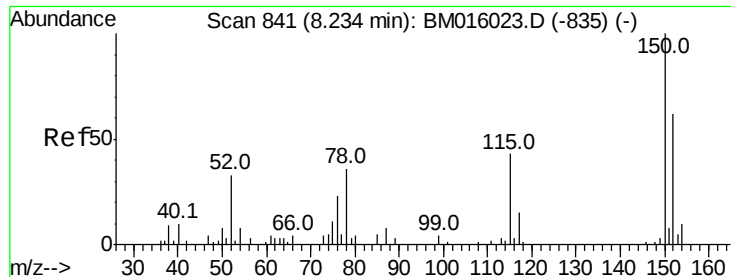
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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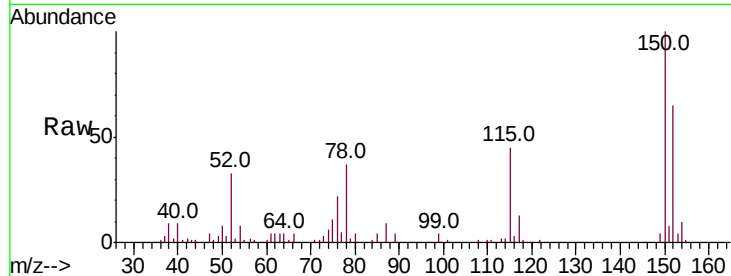


#1

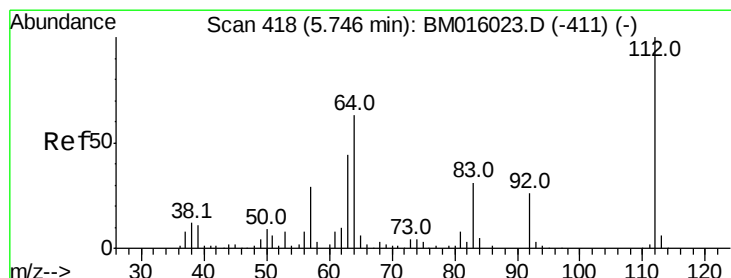
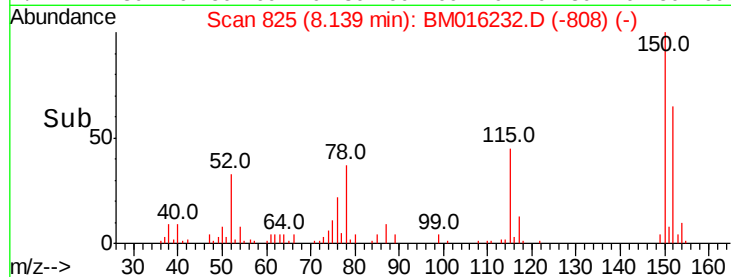
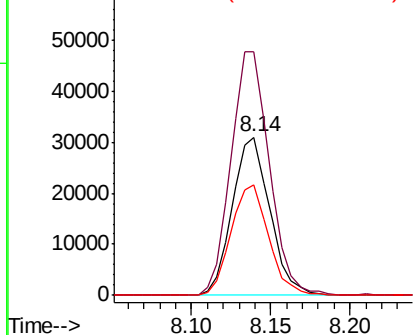
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.14 min Scan# 825
 Delta R.T. -0.00 min
 Lab File: BM016232.D
 Acq: 08 Aug 2018 00:31

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:152 Resp: 50938
 Ion Ratio Lower Upper
 152 100
 150 153.6 119.5 179.3
 115 69.7 43.0 64.4#



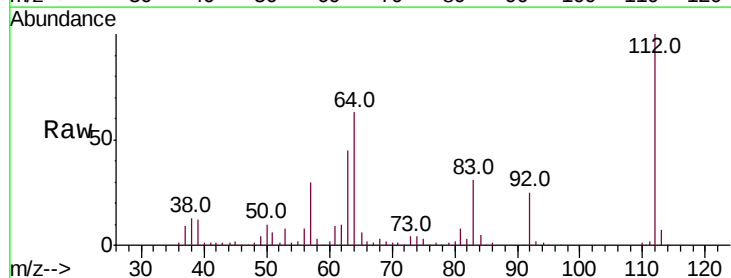
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



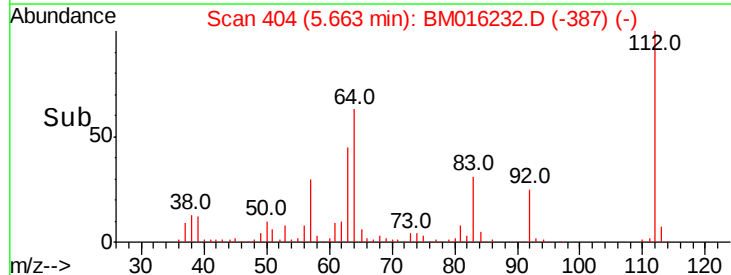
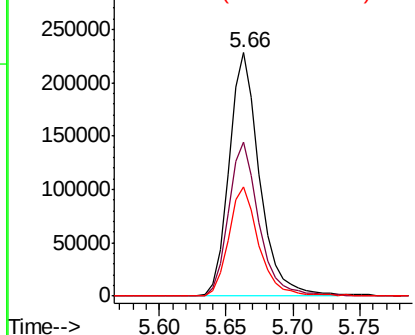
#5

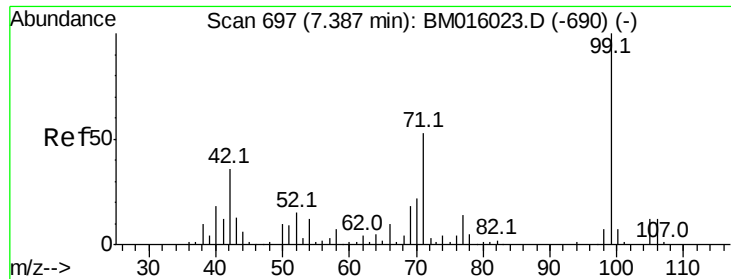
2-Fluorophenol
 Concen: Below ng
 RT: 5.66 min Scan# 404
 Delta R.T. -0.00 min
 Lab File: BM016232.D
 Acq: 08 Aug 2018 00:31

Tgt Ion:112 Resp: 364774
 Ion Ratio Lower Upper
 112 100
 64 63.4 38.6 57.8#
 63 44.6 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: BM016232.D

Acq: 08 Aug 2018 00:31

Instrument :

BNA_M

ClientSampled :

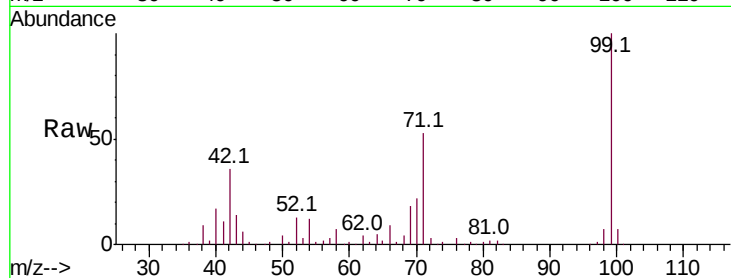
Tot Ion: 99 Resp: 504924

Ion Ratio Lower Upper

99 100

42 35.9 11.0 16.4#

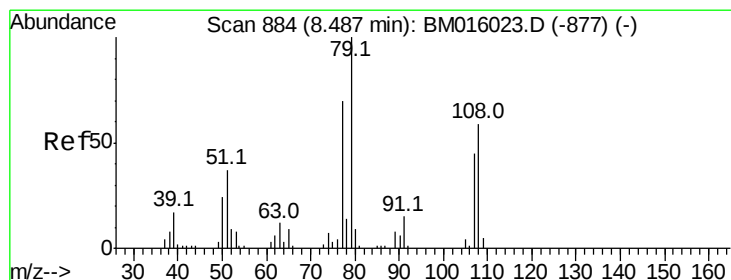
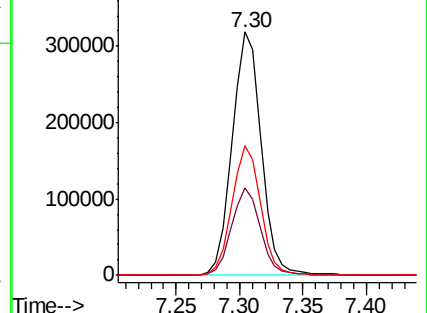
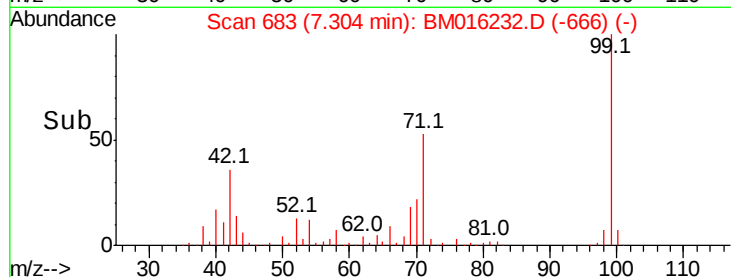
71 53.3 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM016232.D (-690) (-)

Ion 42.00 (41.70 to 42.70): BM016232.D (-690) (-)

Ion 71.00 (70.70 to 71.70): BM016232.D (-690) (-)



#15

Benzyl Alcohol

Concen: 2.015 ng

RT: 8.46 min Scan# 879

Delta R.T. 0.06 min

Lab File: BM016232.D

Acq: 08 Aug 2018 00:31

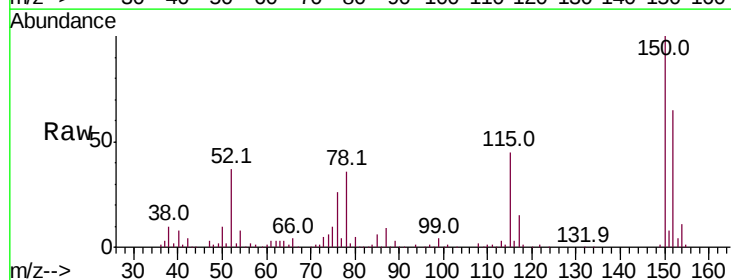
Tgt Ion: 79 Resp: 6425

Ion Ratio Lower Upper

79 100

108 89.2 65.0 97.4

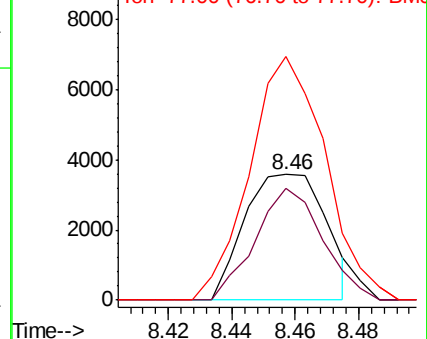
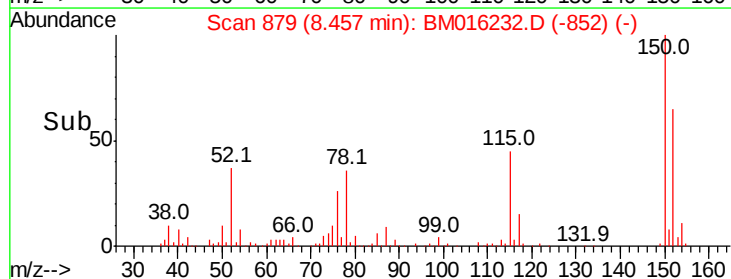
77 194.2 53.0 79.6#



Abundance Ion 79.00 (78.70 to 79.70): BM016232.D (-877) (-)

Ion 108.00 (107.70 to 108.70): BM016232.D (-877) (-)

Ion 77.00 (76.70 to 77.70): BM016232.D (-877) (-)

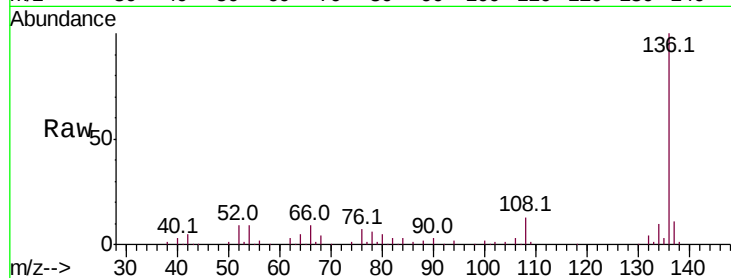




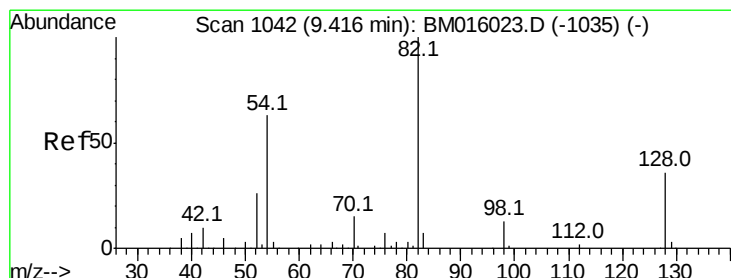
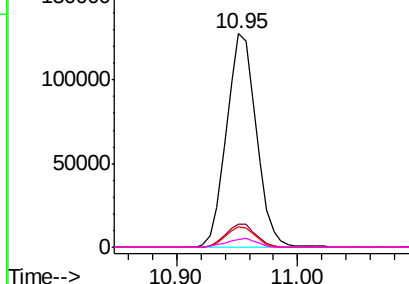
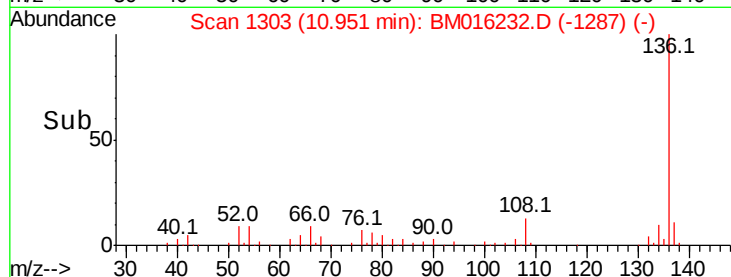
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.95 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BM016232.D
Acq: 08 Aug 2018 00:31

Instrument :
BNA_M
ClientSampleId :

Tot Ion:136	Resp:	220352
Ion Ratio	Lower	Upper
136	100	
137	10.7	8.7 13.1
54	9.3	4.6 6.8#
68	3.8	3.7 5.5

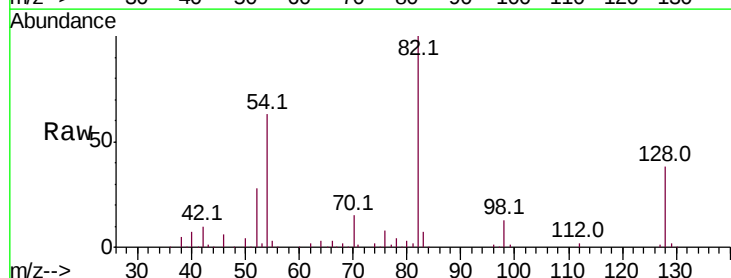


Abundance Ion 136.00 (135.70 to 136.70): E
200000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BM
Ion 68.00 (67.70 to 68.70): BM

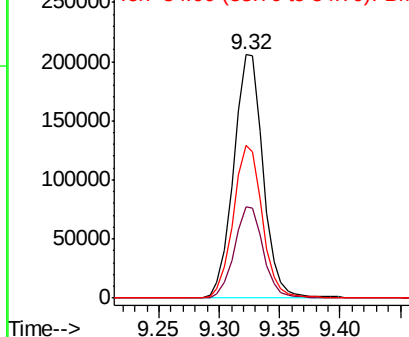
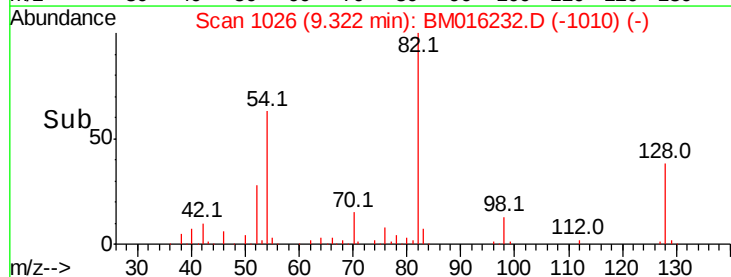


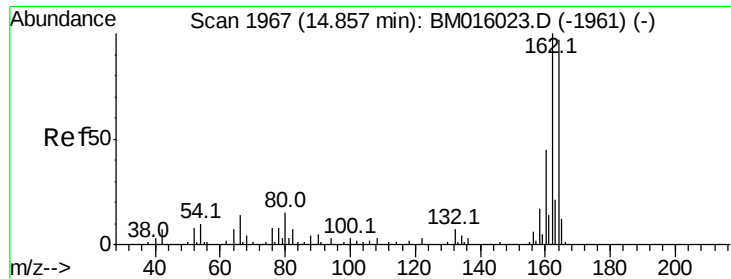
#23
Nitrobenzene-d5
Concen: N.D. ng
RT: 9.32 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BM016232.D
Acq: 08 Aug 2018 00:31

Tgt Ion: 82	Resp:	351750
Ion Ratio	Lower	Upper
82	100	
128	37.6	32.8 49.2
54	62.7	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

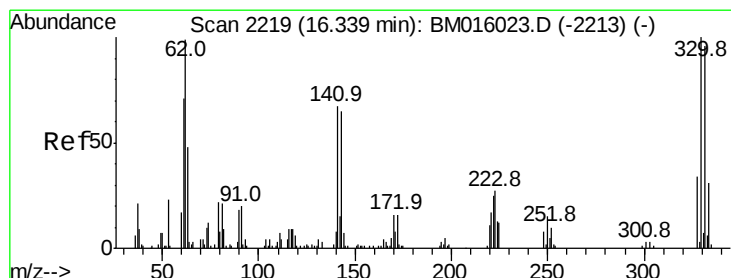
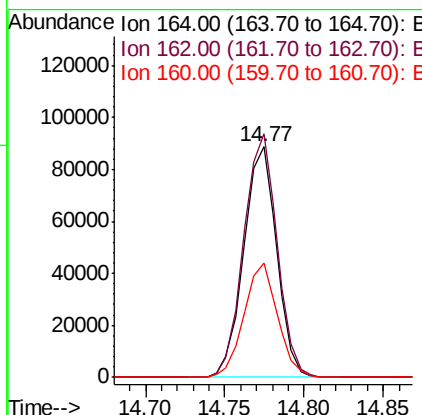
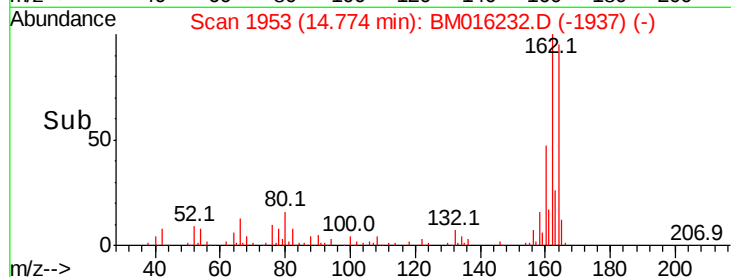
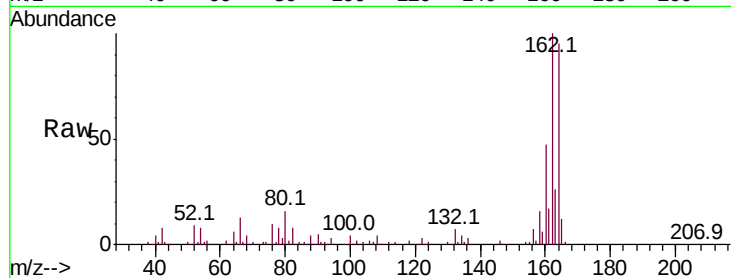




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.77 min Scan# 1953
 Delta R.T. -0.01 min
 Lab File: BM016232.D
 Acq: 08 Aug 2018 00:31

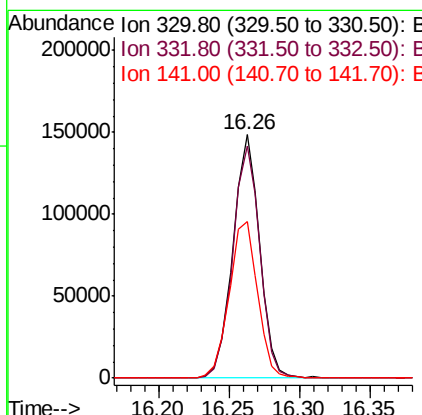
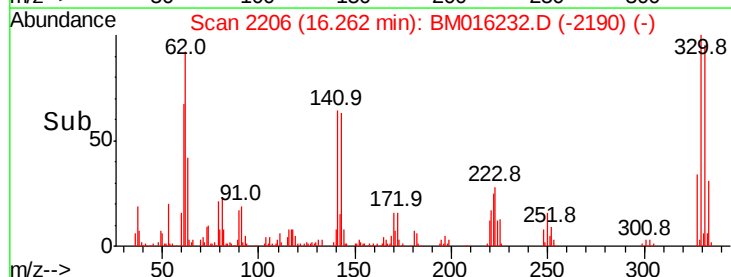
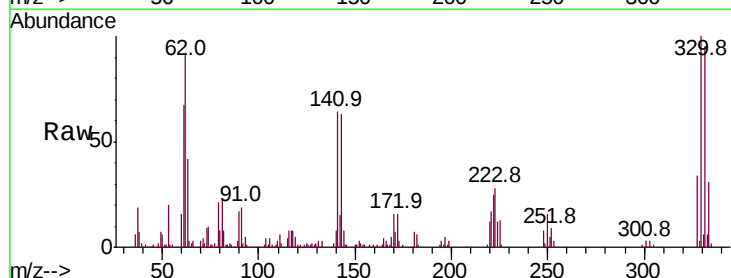
Instrument :
 BNA_M
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	105.5	82.4	123.6
160	49.7	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: BM016232.D
 Acq: 08 Aug 2018 00:31

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.9	0.0	0.0#
141	68.3	0.0	0.0#

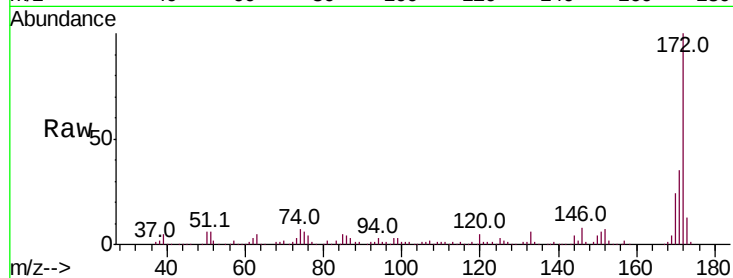




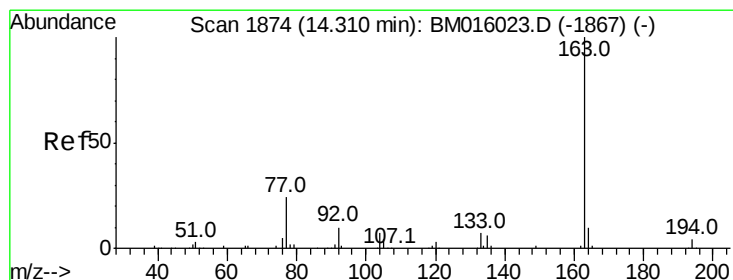
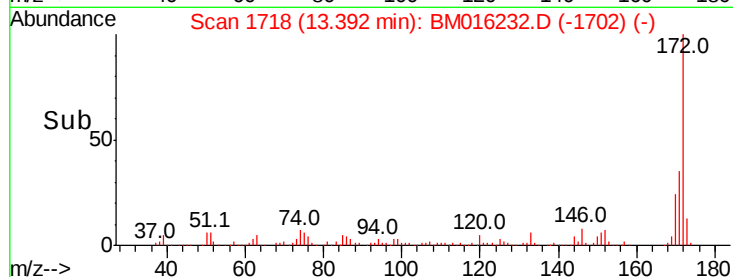
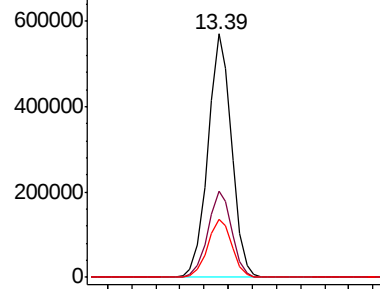
#44
2-Fluorobiphenyl
Concen: N.D. ng
RT: 13.39 min Scan# 1718
Delta R.T. -0.01 min
Lab File: BM016232.D
Acq: 08 Aug 2018 00:31

Instrument :
BNA_M
ClientSampleId :

Tot Ion:172 Resp: 778530
Ion Ratio Lower Upper
172 100
171 35.3 28.5 42.7
170 23.8 18.8 28.2

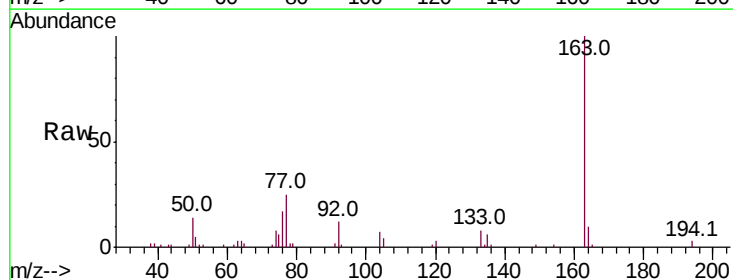


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

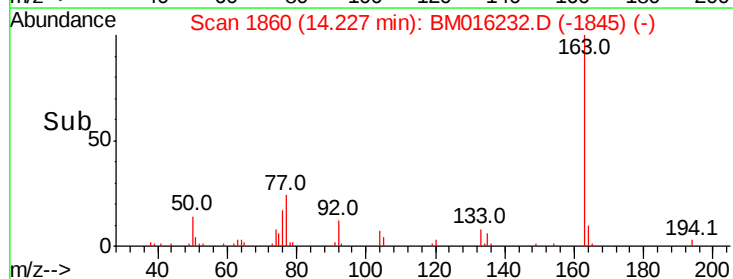
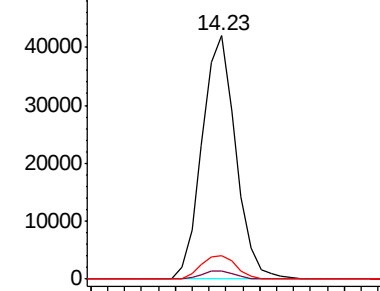


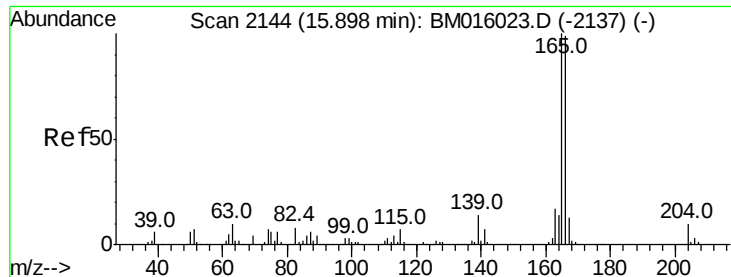
#49
Dimethylphthalate
Concen: 5.182 ng
RT: 14.23 min Scan# 1860
Delta R.T. -0.01 min
Lab File: BM016232.D
Acq: 08 Aug 2018 00:31

Tgt Ion:163 Resp: 58173
Ion Ratio Lower Upper
163 100
194 3.3 2.7 4.1
164 9.8 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

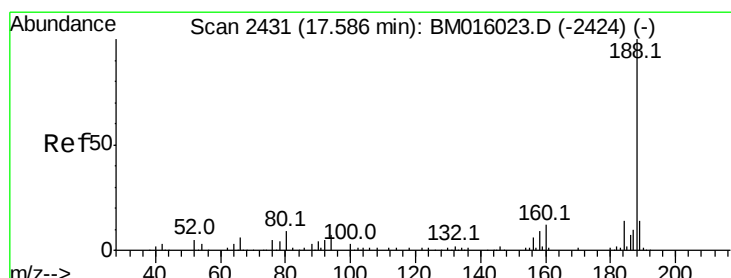
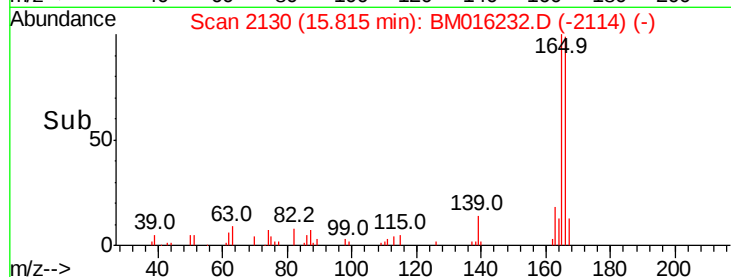
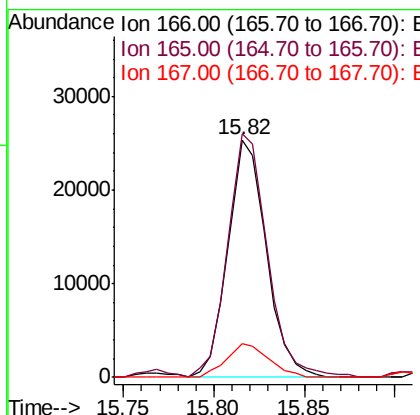
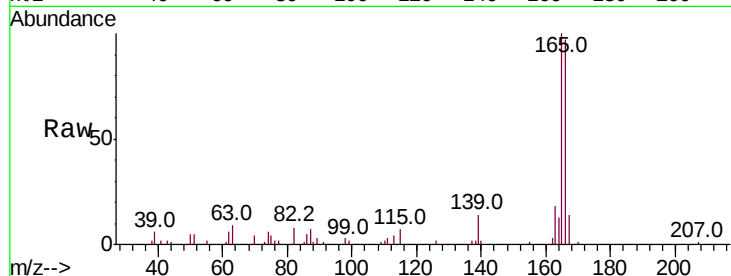




#57
 Fluorene
 Concen: 3.774 ng
 RT: 15.82 min Scan# 2130
 Delta R.T. -0.01 min
 Lab File: BM016232.D
 Acq: 08 Aug 2018 00:31

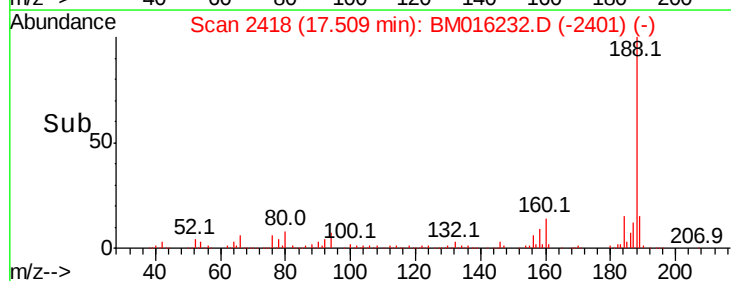
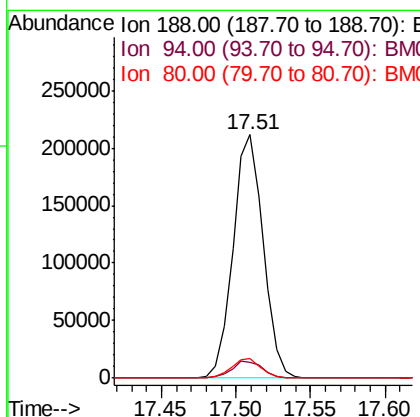
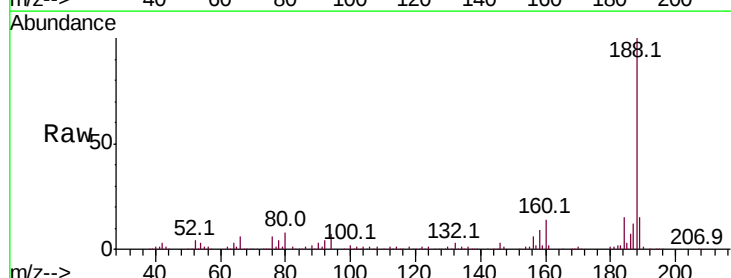
Instrument :
 BNA_M
 ClientSampleId :

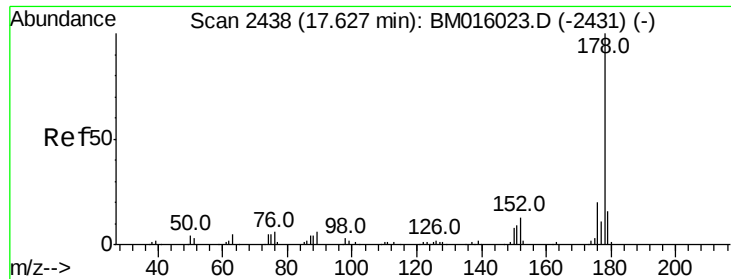
Tot Ion	Ratio	Lower	Upper
166	100		
165	102.6	79.0	118.4
167	14.5	10.3	15.5



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.51 min Scan# 2418
 Delta R.T. -0.00 min
 Lab File: BM016232.D
 Acq: 08 Aug 2018 00:31

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.5	8.7	13.1#
80	8.1	9.3	13.9#





#70

Phenanthrene

Concen: 35.002 ng

RT: 17.55 min Scan# 2425

Delta R.T. -0.01 min

Lab File: BM016232.D

Acq: 08 Aug 2018 00:31

Instrument :

BNA_M

ClientSampled :

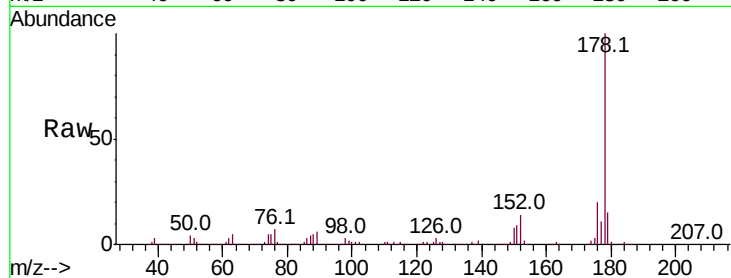
Tot Ion:178 Resp: 583740

Ion Ratio Lower Upper

178 100

176 19.9 15.2 22.8

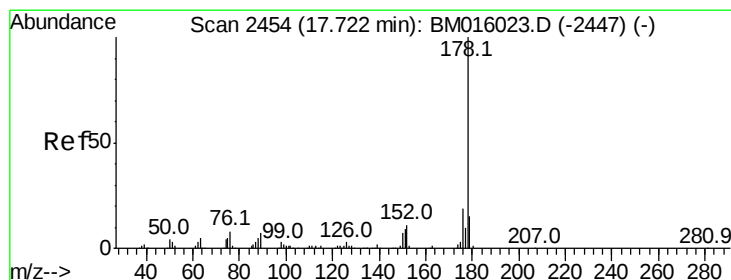
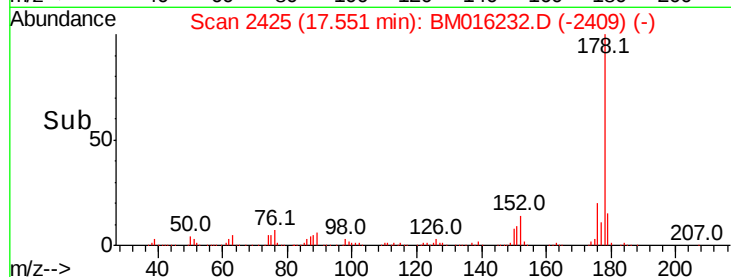
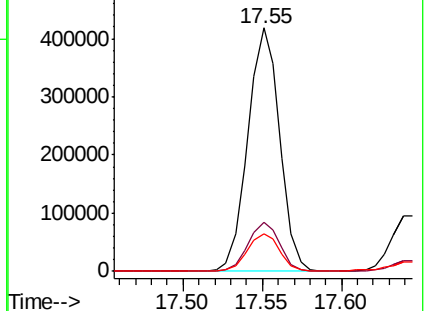
179 15.4 12.1 18.1



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: 8.702 ng

RT: 17.64 min Scan# 2441

Delta R.T. -0.00 min

Lab File: BM016232.D

Acq: 08 Aug 2018 00:31

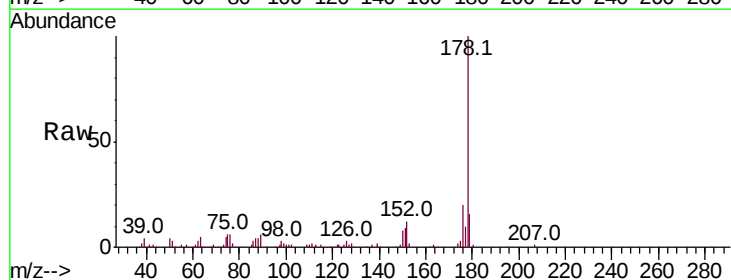
Tgt Ion:178 Resp: 141042

Ion Ratio Lower Upper

178 100

176 20.3 14.6 22.0

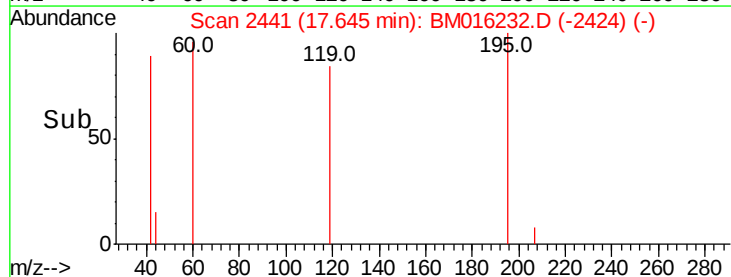
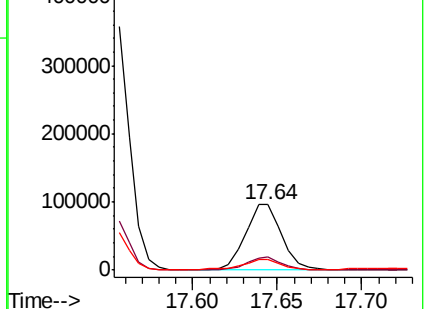
179 15.7 12.6 19.0

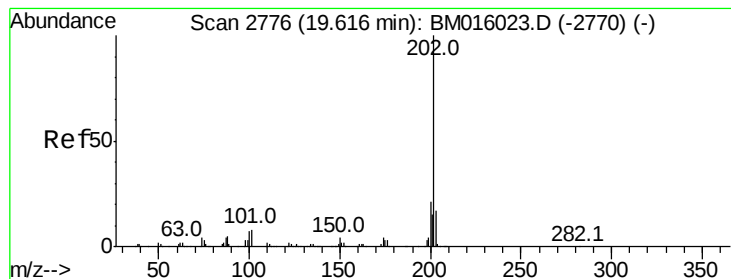


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 56.640 ng

RT: 19.54 min Scan# 2764

Delta R.T. -0.00 min

Lab File: BM016232.D

Acq: 08 Aug 2018 00:31

Instrument :

BNA_M

ClientSampled :

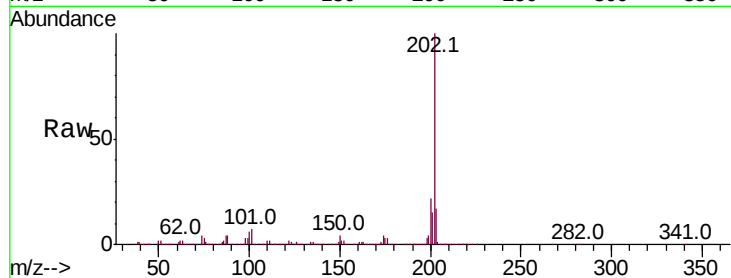
Tot Ion:202 Resp: 1053670

Ion Ratio Lower Upper

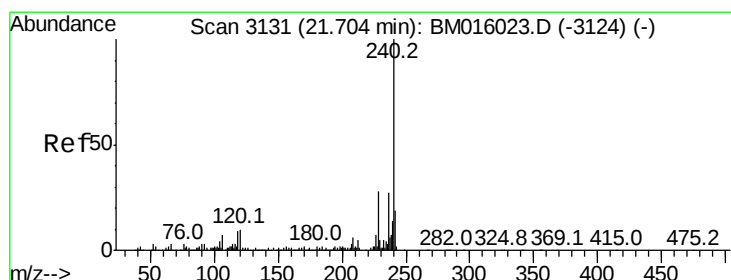
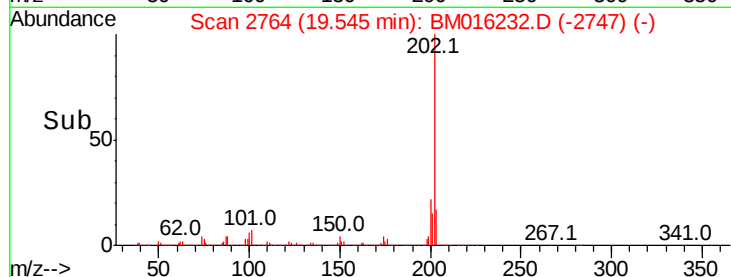
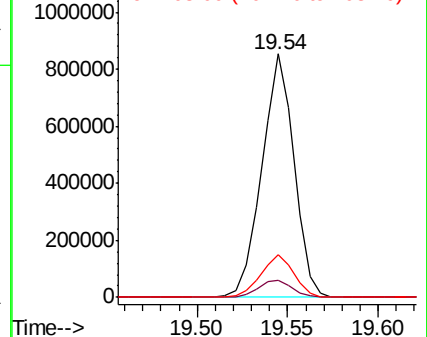
202 100

101 7.1 0.0 28.7

203 17.5 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: BM016232.D

Acq: 08 Aug 2018 00:31

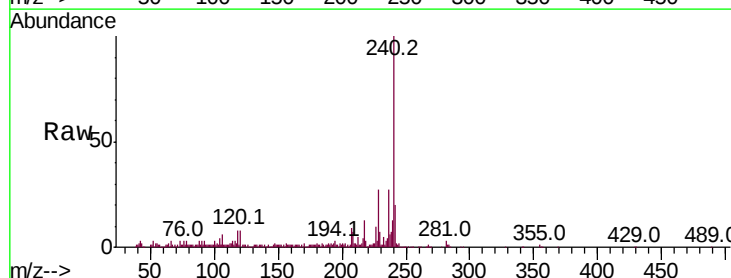
Tgt Ion:240 Resp: 358946

Ion Ratio Lower Upper

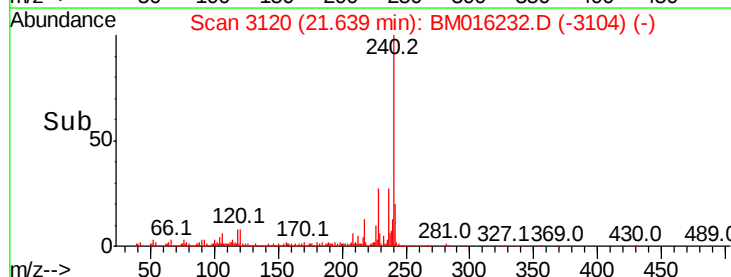
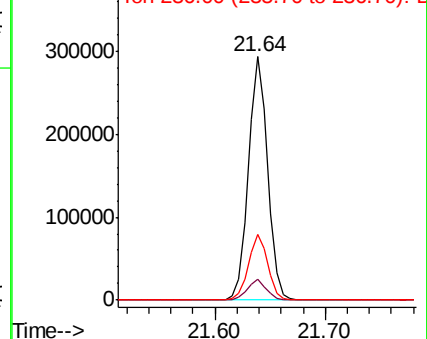
240 100

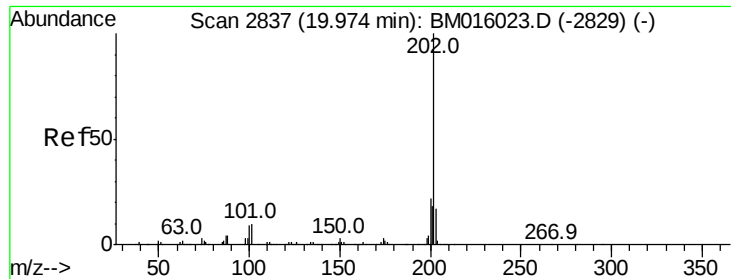
120 8.4 8.2 12.2

236 27.1 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

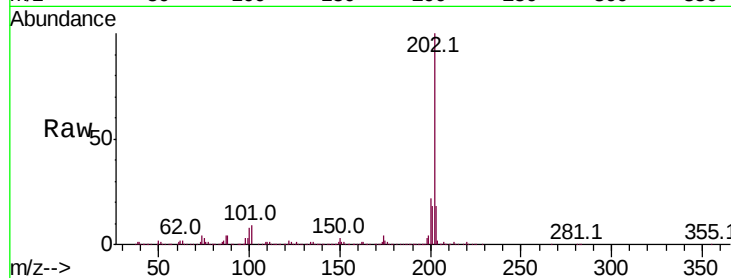




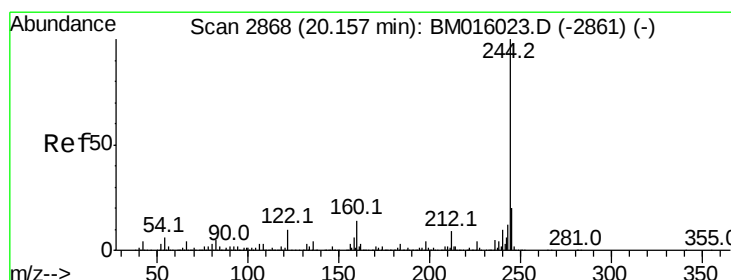
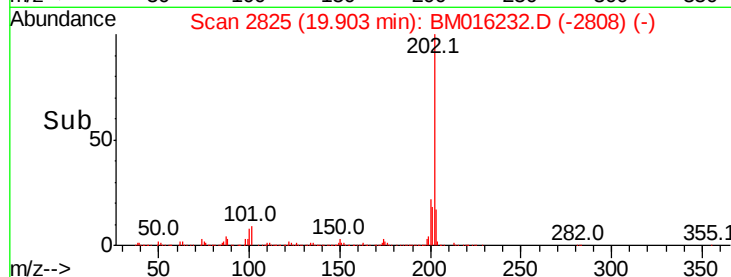
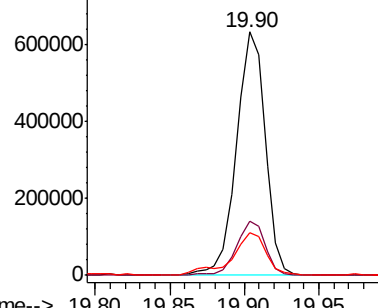
#77
Pvrene
Concen: 39.312 ng
RT: 19.90 min Scan# 2825
Delta R.T. -0.00 min
Lab File: BM016232.D
Acq: 08 Aug 2018 00:31

Instrument :
BNA_M
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.1	16.9	25.3
203	17.8	14.1	21.1

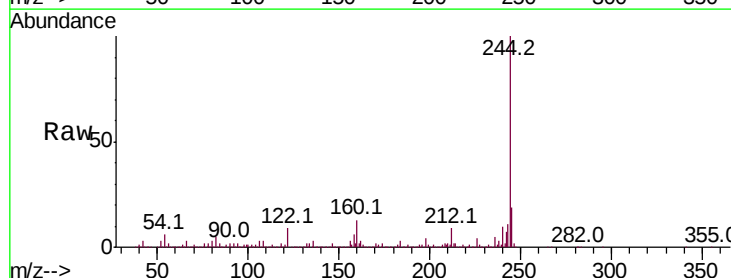


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

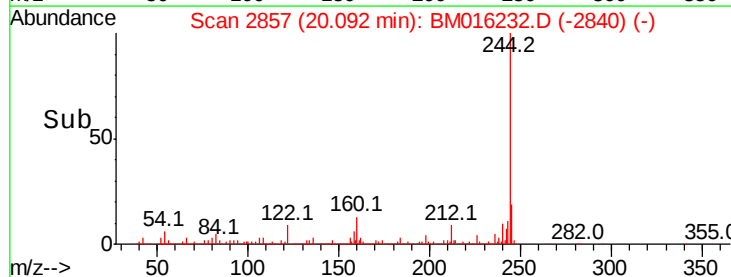
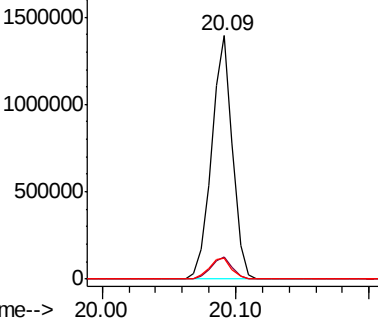


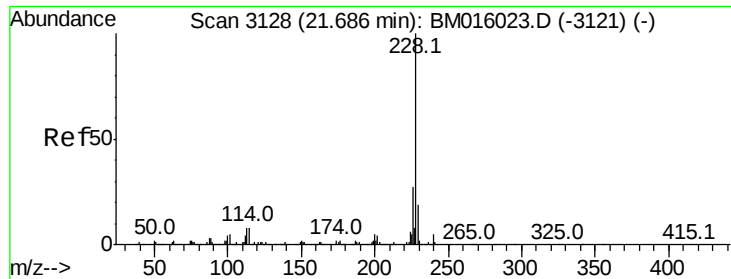
#78
Terphenyl-d14
Concen: 39.312 ng
RT: 20.09 min Scan# 2857
Delta R.T. -0.00 min
Lab File: BM016232.D
Acq: 08 Aug 2018 00:31

Tgt Ion	Ratio	Lower	Upper
244	100		
212	9.3	4.9	7.3#
122	8.7	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

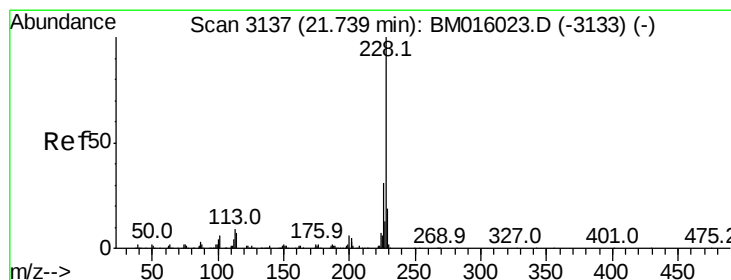
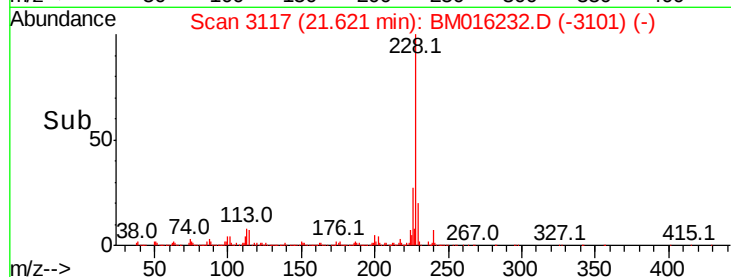
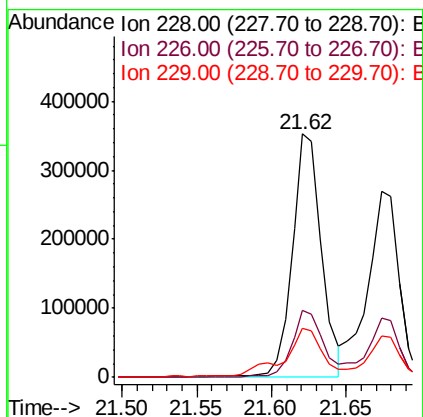
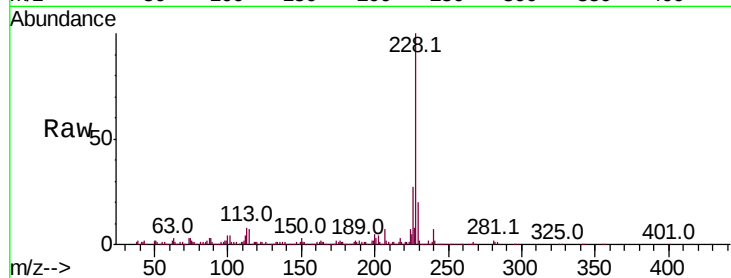




#80
Benzo(a)anthracene
Concen: 21.642 ng
RT: 21.62 min Scan# 3117
Delta R.T. -0.01 min
Lab File: BM016232.D
Acq: 08 Aug 2018 00:31

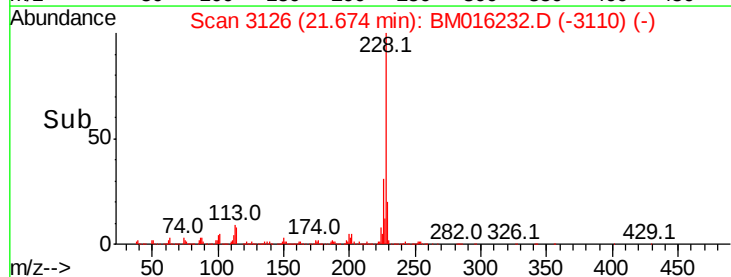
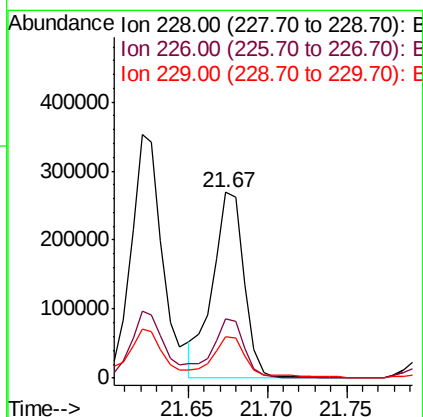
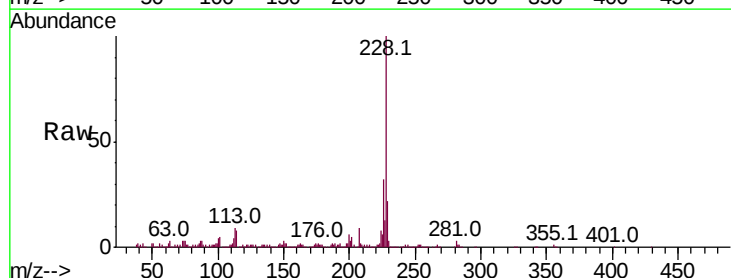
Instrument :
BNA_M
ClientSampleId :

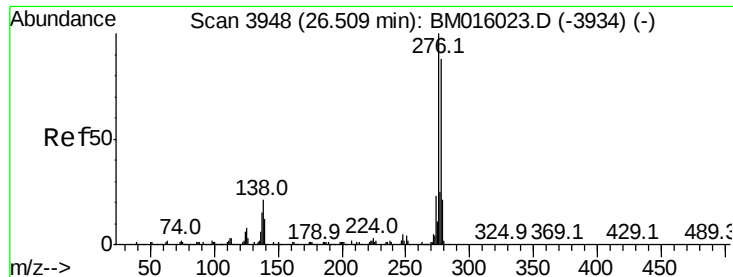
Tot Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.7	32.5
229	19.9	16.0	24.0



#82
Chrysene
Concen: 17.346 ng
RT: 21.67 min Scan# 3126
Delta R.T. -0.01 min
Lab File: BM016232.D
Acq: 08 Aug 2018 00:31

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.6	24.1	36.1
229	22.0	15.5	23.3

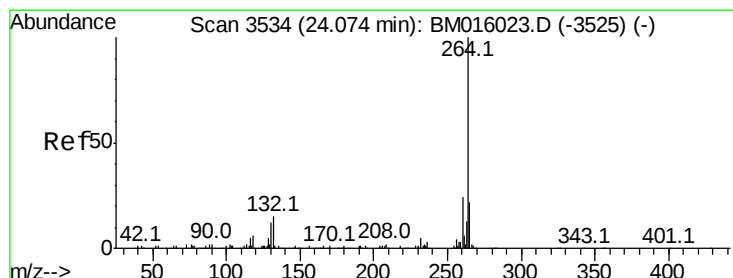
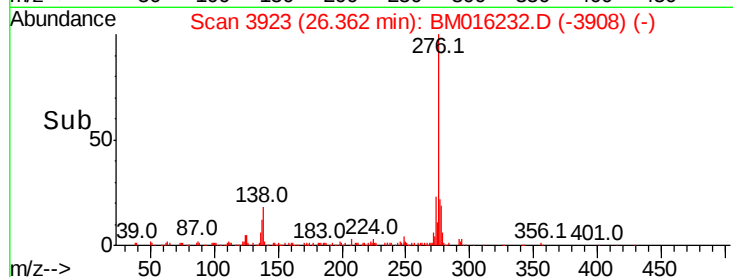
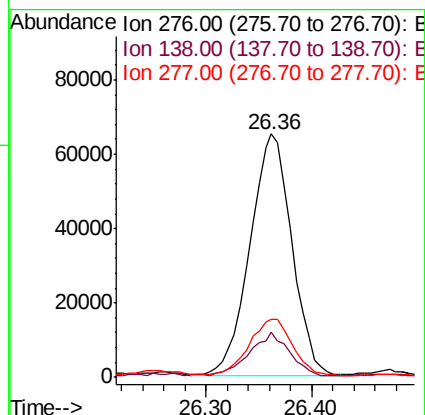
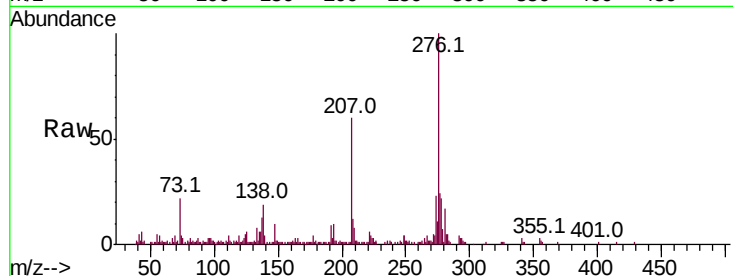




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 7.065 ng
 RT: 26.36 min Scan# 3923
 Delta R.T. -0.01 min
 Lab File: BM016232.D
 Acq: 08 Aug 2018 00:31

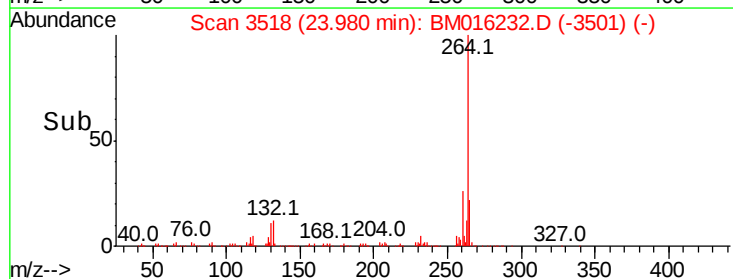
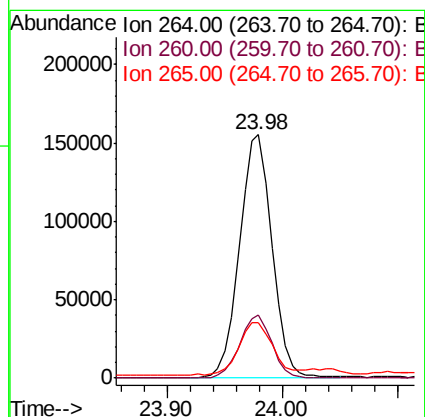
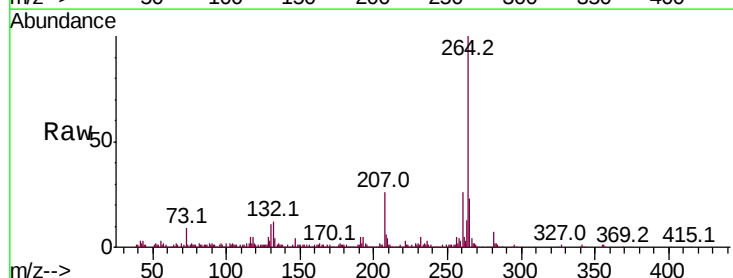
Instrument :
 BNA_M
 ClientSampleId :

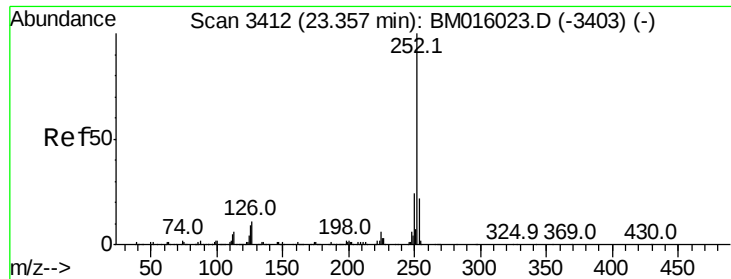
Tot Ion	Ratio	Lower	Upper
276	100		
138	17.1	12.0	18.0
277	24.0	20.0	30.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.98 min Scan# 3518
 Delta R.T. -0.00 min
 Lab File: BM016232.D
 Acq: 08 Aug 2018 00:31

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.7	18.6	27.8
265	22.8	17.3	25.9

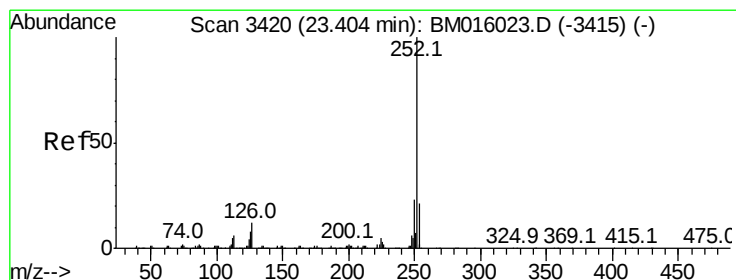
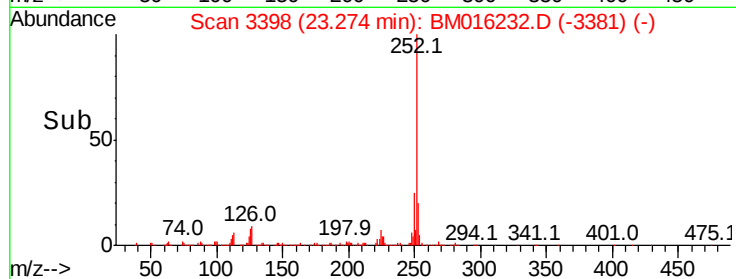
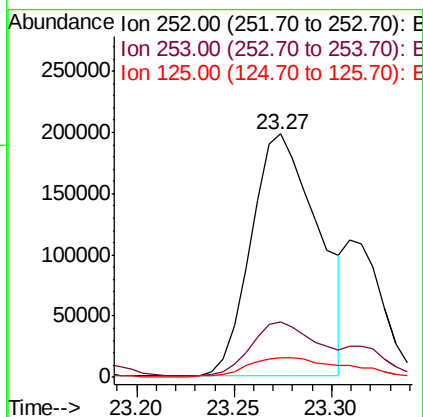
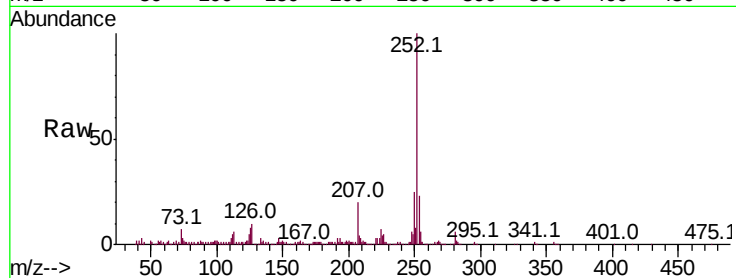




#87
Benzo(b)fluoranthene
Concen: 26.401 ng
RT: 23.27 min Scan# 3398
Delta R.T. -0.00 min
Lab File: BM016232.D
Acq: 08 Aug 2018 00:31

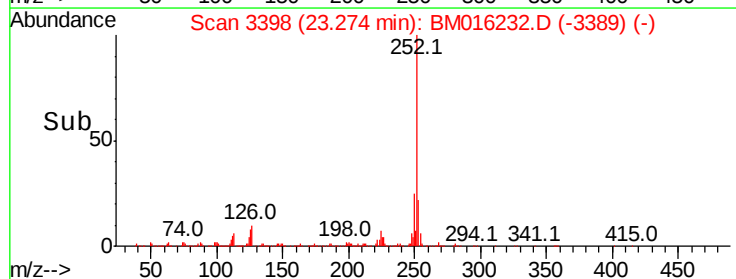
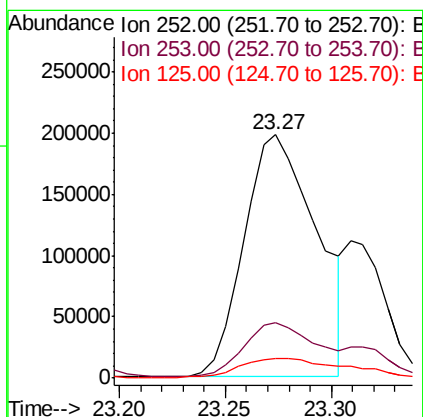
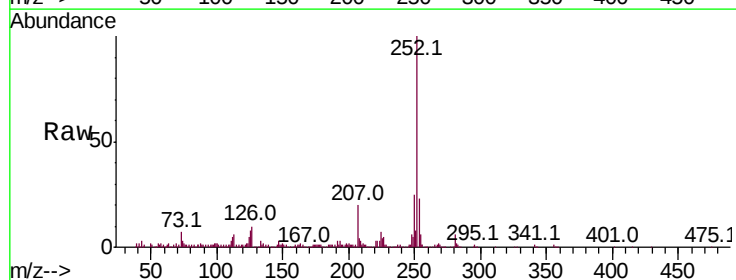
Instrument :
BNA_M
ClientSampled :

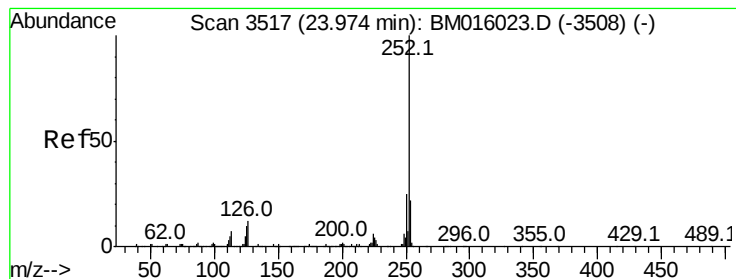
Tot Ion:252 Resp: 472234
Ion Ratio Lower Upper
252 100
253 22.7 18.0 27.0
125 8.2 9.9 14.9#



#88
Benzo(k)fluoranthene
Concen: 25.953 ng
RT: 23.27 min Scan# 3398
Delta R.T. -0.05 min
Lab File: BM016232.D
Acq: 08 Aug 2018 00:31

Tgt Ion:252 Resp: 470464
Ion Ratio Lower Upper
252 100
253 22.7 17.2 25.8
125 8.2 8.1 12.1





#89

Benzo(a)pyrene

Concen: 18.171 ng

RT: 23.88 min Scan# 3501

Delta R.T. -0.00 min

Lab File: BM016232.D

Acq: 08 Aug 2018 00:31

Instrument :

BNA_M

ClientSampleId :

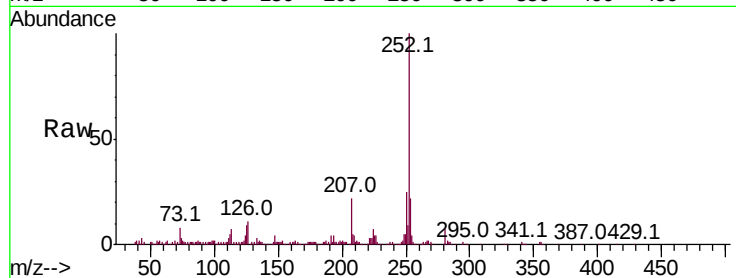
Tot Ion:252 Resp: 312454

Ion Ratio Lower Upper

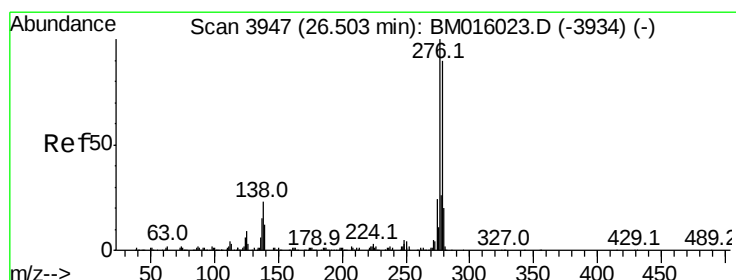
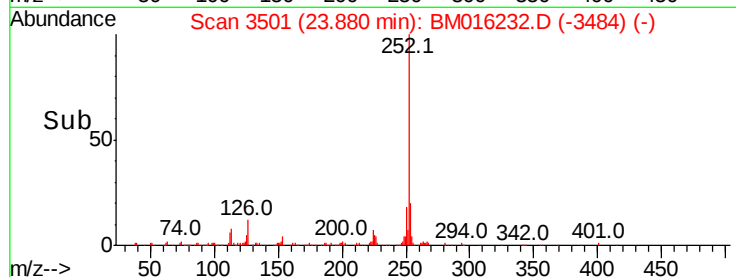
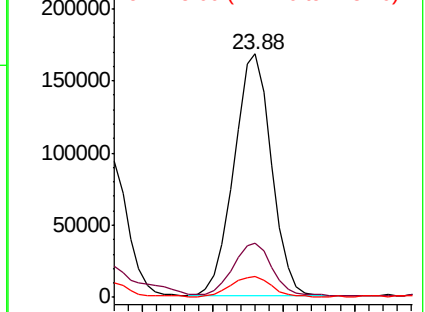
252 100

253 22.1 17.6 26.4

125 8.5 7.4 11.2



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



#90

Dibenzo(a,h)anthracene

Concen: 2.843 ng

RT: 26.36 min Scan# 3922

Delta R.T. -0.02 min

Lab File: BM016232.D

Acq: 08 Aug 2018 00:31

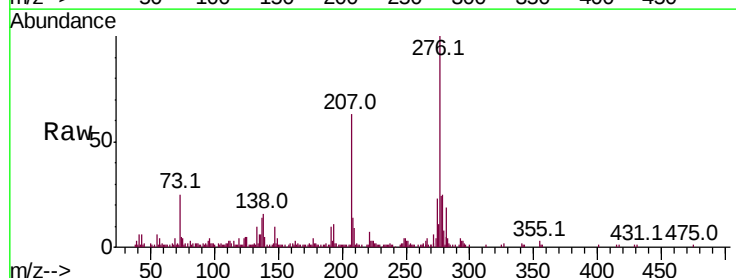
Tgt Ion:278 Resp: 50651

Ion Ratio Lower Upper

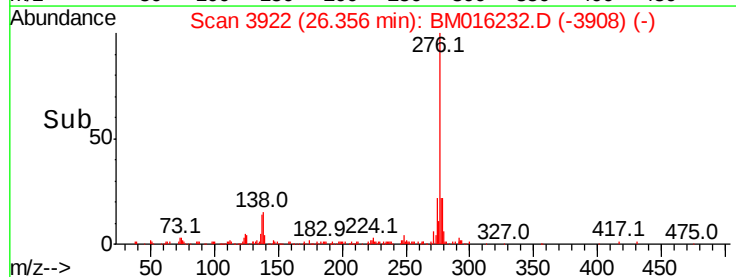
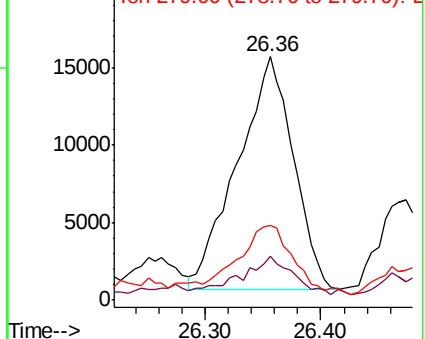
278 100

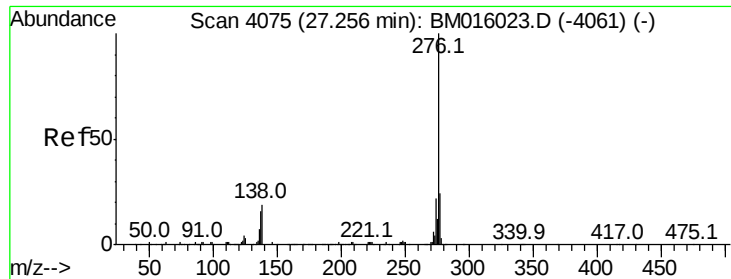
139 17.9 13.4 20.0

279 30.5 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

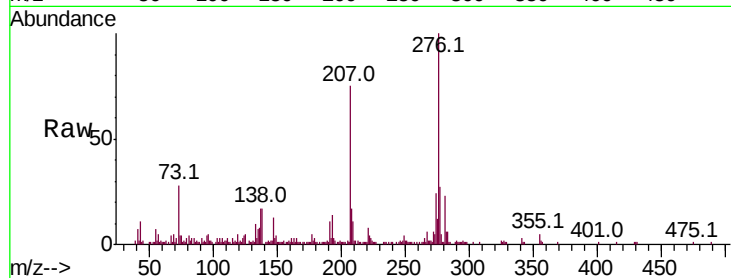




#91
 Benzo(a,h,i)perylene
 Concen: 9.484 ng
 RT: 27.10 min Scan# 4048
 Delta R.T. -0.01 min
 Lab File: BM016232.D
 Acq: 08 Aug 2018 00:31

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.9	18.5	27.7
138	17.3	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

