

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM031419\
 Data File : BM019179.D
 Acq On : 14 Mar 2019 21:07
 Operator : JU/SJ
 Sample : K1899-03DL 25X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MW-4ADL

Quant Time: Mar 15 06:03:44 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM031119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 11 17:30:46 2019
 Response via : Initial Calibration

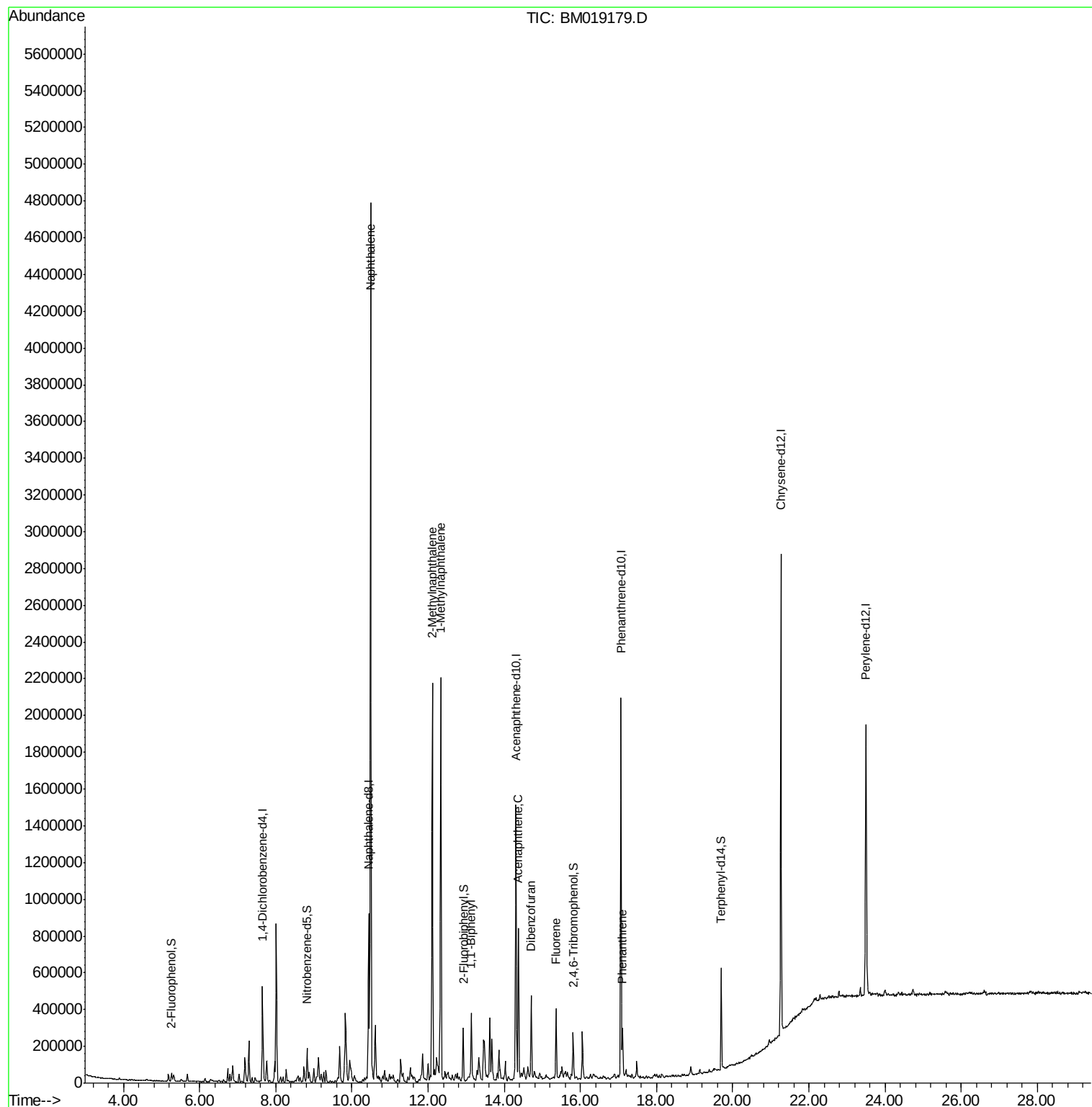
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	147927	20.00	ng	-0.01
21) Naphthalene-d8	10.44	136	722996	20.00	ng	-0.01
39) Acenaphthene-d10	14.31	164	469339	20.00	ng	-0.01
64) Phenanthrene-d10	17.06	188	1116744	20.00	ng	-0.01
76) Chrysene-d12	21.26	240	1156182	20.00	ng	-0.01
87) Perylene-d12	23.50	264	1057254	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	23917	2.62	ng	0.00
7) Phenol-d6	6.85	99	19672	1.47	ng	0.00
23) Nitrobenzene-d5	8.83	82	54029	3.53	ng	0.00
42) 2,4,6-Tribromophenol	15.81	330	40764	5.88	ng	-0.01
45) 2-Fluorobiphenyl	12.92	172	145160	4.02	ng	-0.01
79) Terphenyl-d14	19.70	244	241003	4.14	ng	-0.01
Target Compounds						
31) Naphthalene	10.49	128	3723421	97.709	ng	100
37) 2-Methylnaphthalene	12.11	142	960064	34.670	ng	99
38) 1-Methylnaphthalene	12.33	142	1000939	36.672	ng	100
46) 1,1'-Biphenyl	13.13	154	180405	4.401	ng	97
52) Acenaphthene	14.37	154	286209	9.629	ng	98
55) Dibenzofuran	14.71	168	276200	5.762	ng	99
58) Fluorene	15.36	166	165202	4.181	ng	99
71) Phenanthrene	17.10	178	141386	2.160	ng	100

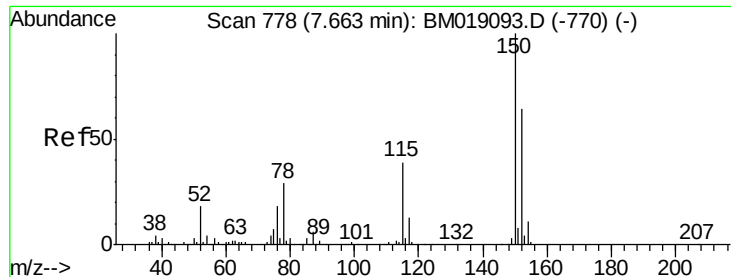
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 15 06:03:44 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM031119.M
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QLast Update : Mon Mar 11 17:30:46 2019
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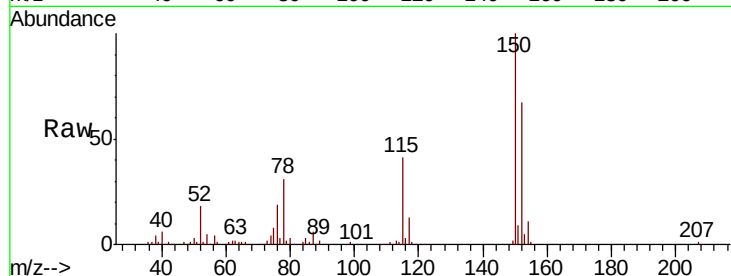


#1

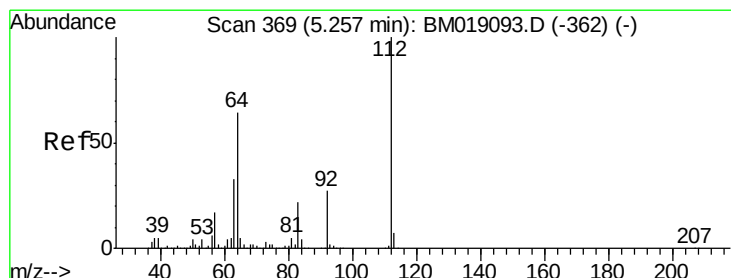
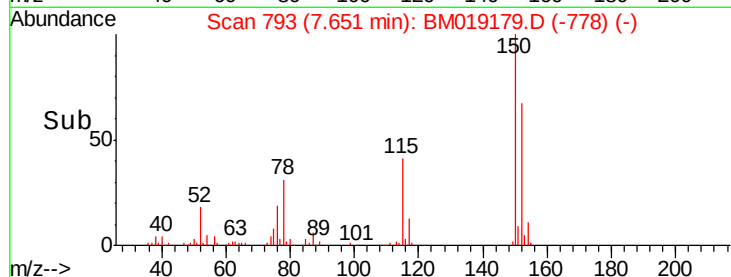
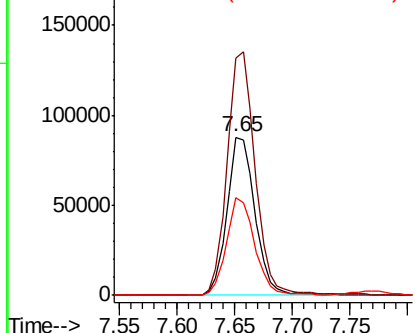
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.65 min Scan# 793
Delta R.T. -0.01 min
Lab File: BM019179.D
Acq: 14 Mar 2019 21:07

Instrument :
BNA_M
ClientSampleId :
MW-4ADL

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.9	125.3	187.9
115	61.7	49.4	74.0



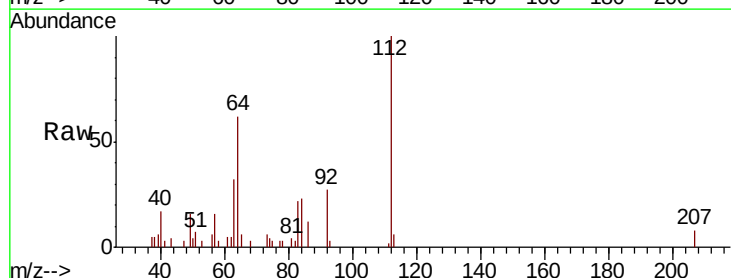
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



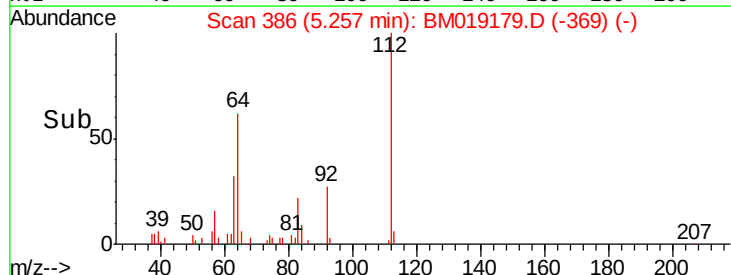
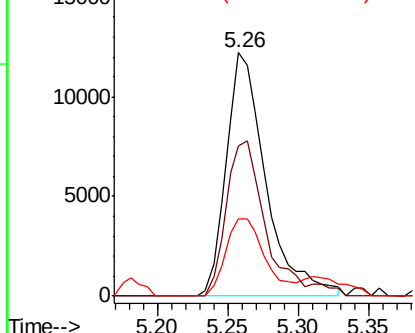
#5

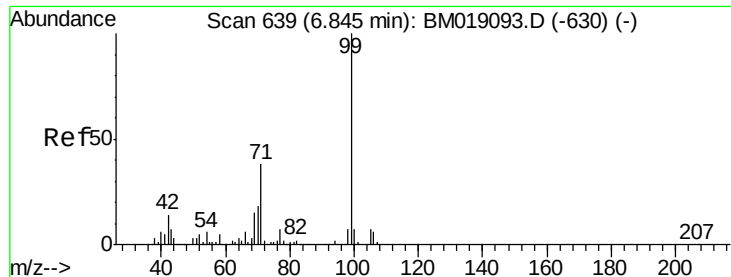
2-Fluorophenol
Concen: 2.618 ng
RT: 5.26 min Scan# 386
Delta R.T. 0.00 min
Lab File: BM019179.D
Acq: 14 Mar 2019 21:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.9	51.4	77.0
63	31.7	26.6	40.0



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: 1.472 ng

RT: 6.85 min Scan# 656

Delta R.T. 0.00 min

Lab File: BM019179.D

Acq: 14 Mar 2019 21:07

Instrument :

BNA_M

ClientSampled :

MW-4ADL

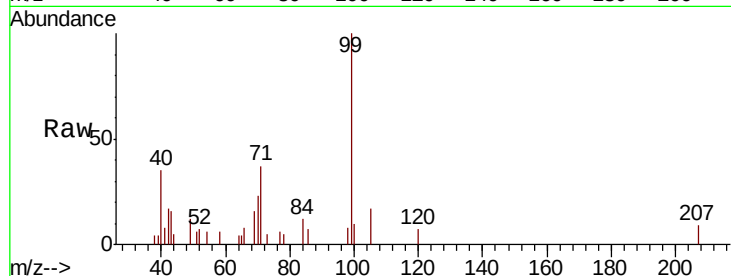
Tot Ion: 99 Resp: 19672

Ion Ratio Lower Upper

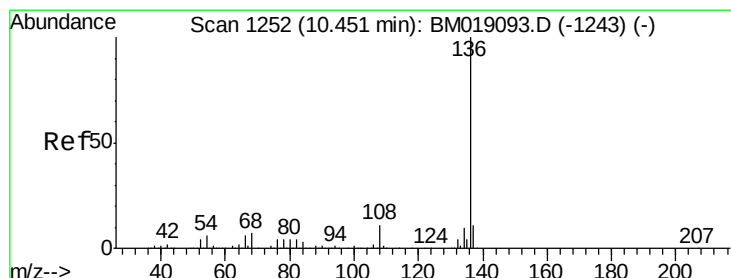
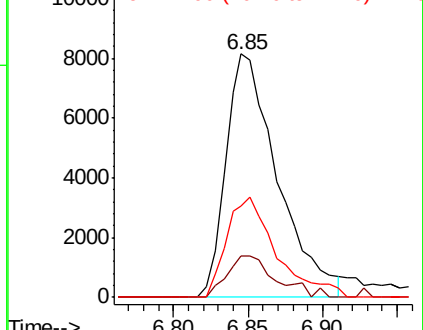
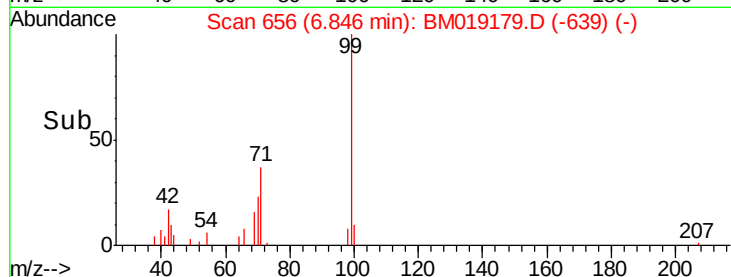
99 100

42 16.9 10.9 16.3#

71 37.4 30.3 45.5



Abundance Ion 99.00 (98.70 to 99.70): BM019179.D (-639) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.44 min Scan# 1267

Delta R.T. -0.01 min

Lab File: BM019179.D

Acq: 14 Mar 2019 21:07

Tgt Ion: 136 Resp: 722996

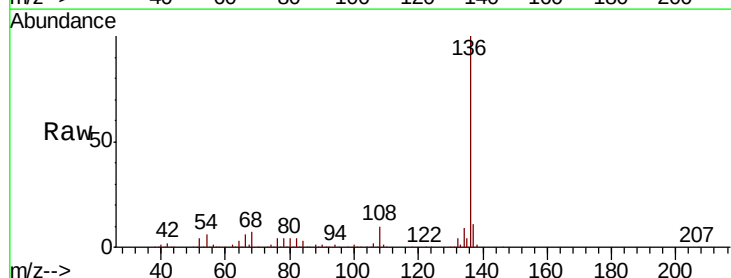
Ion Ratio Lower Upper

136 100

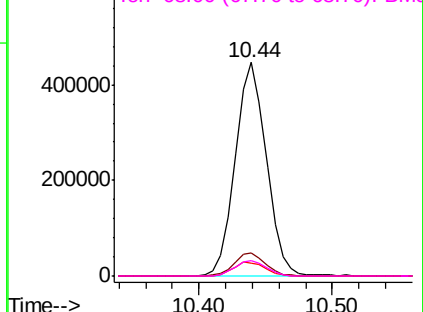
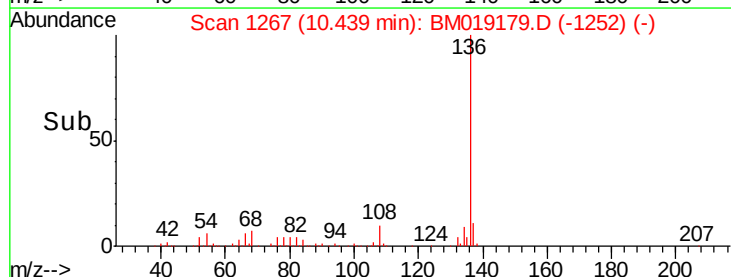
137 10.7 8.6 13.0

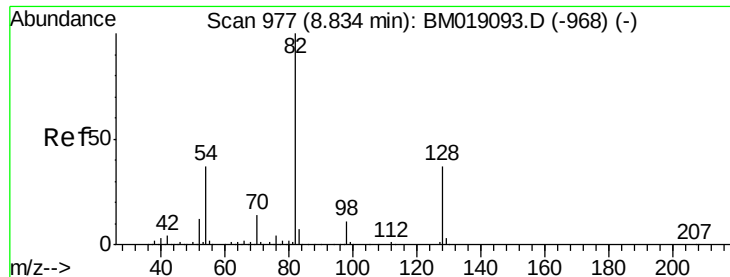
54 6.2 5.2 7.8

68 7.1 5.8 8.8



Abundance Ion 136.00 (135.70 to 136.70): BM019179.D (-1252) (-)

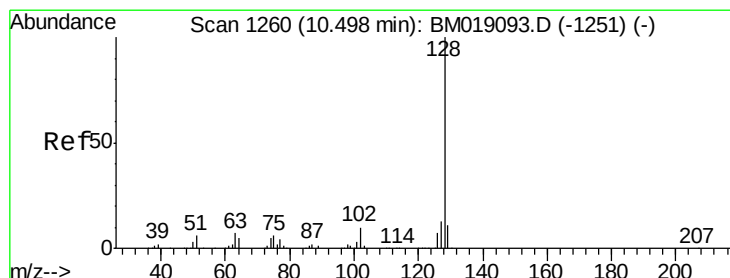
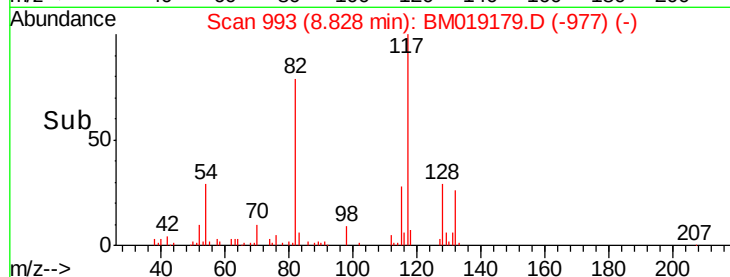
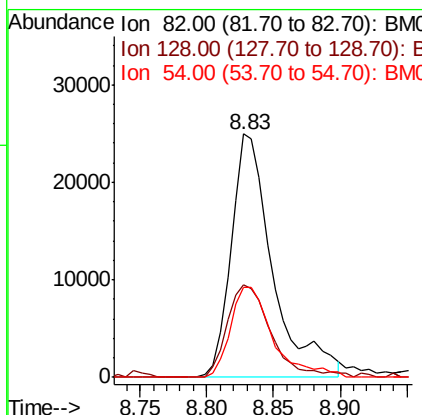
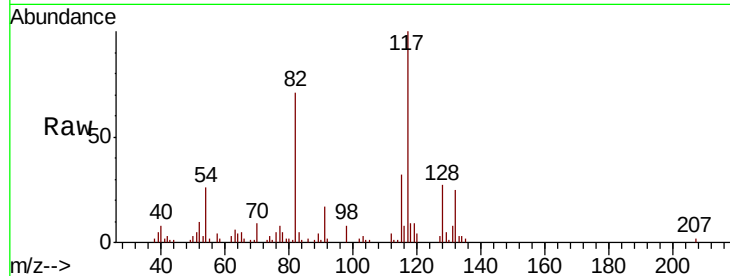




#23
Nitrobenzene-d5
Concen: 3.532 ng
RT: 8.83 min Scan# 993
Delta R.T. -0.01 min
Lab File: BM019179.D
Acq: 14 Mar 2019 21:07

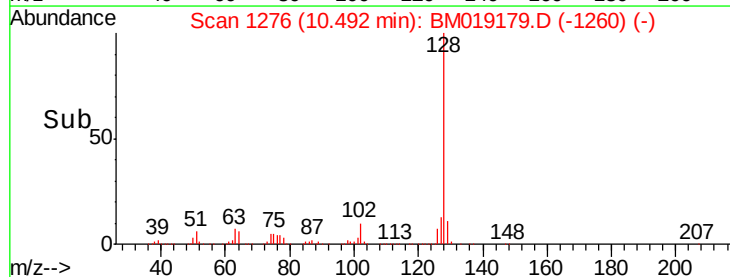
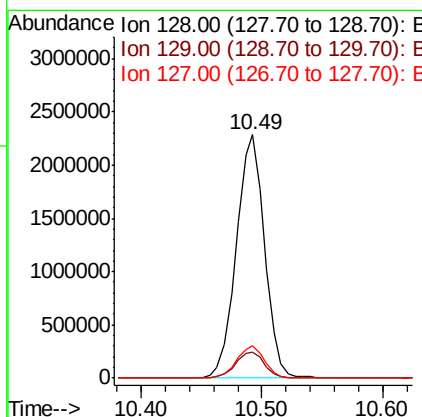
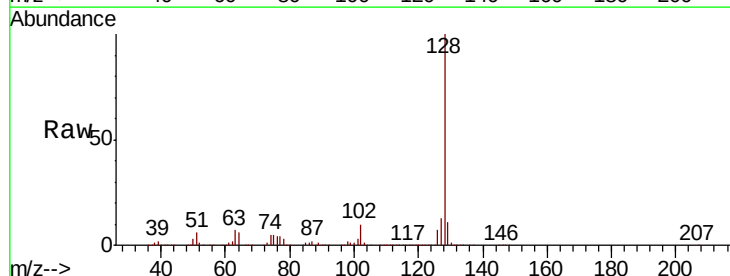
Instrument :
BNA_M
ClientSampleId :
MW-4ADL

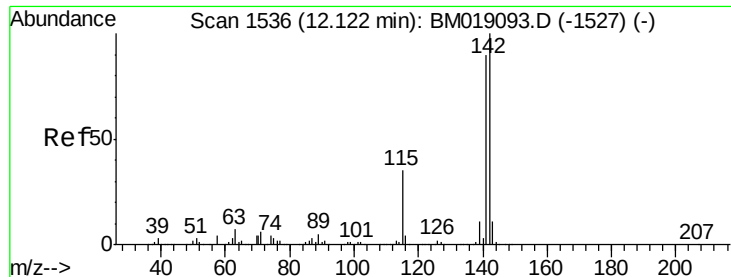
Tot Ion	82	Resp	54029
Ion Ratio	Lower	Upper	
82	100		
128	38.2	29.4	44.2
54	37.0	29.9	44.9



#31
Naphthalene
Concen: 97.709 ng
RT: 10.49 min Scan# 1276
Delta R.T. -0.01 min
Lab File: BM019179.D
Acq: 14 Mar 2019 21:07

Tgt Ion	128	Resp	3723421
Ion Ratio	Lower	Upper	
128	100		
129	10.9	8.6	13.0
127	13.3	10.4	15.6

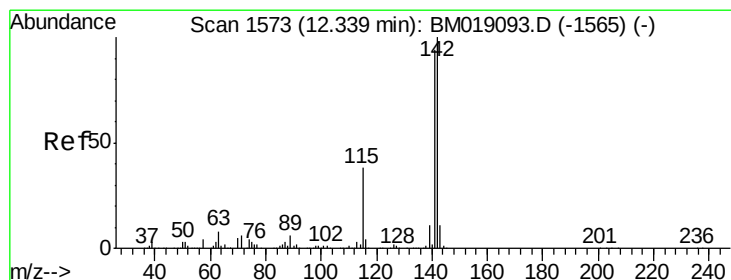
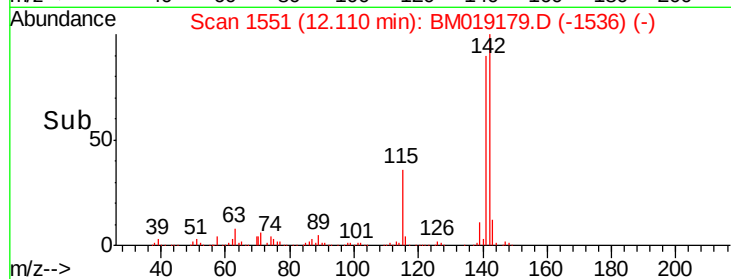
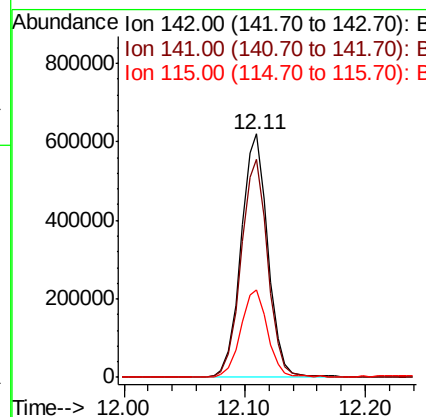
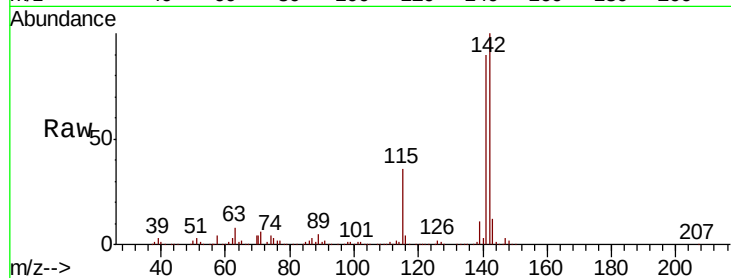




#37
 2-Methylnaphthalene
 Concen: 34.670 ng
 RT: 12.11 min Scan# 1551
 Delta R.T. -0.01 min
 Lab File: BM019179.D
 Acq: 14 Mar 2019 21:07

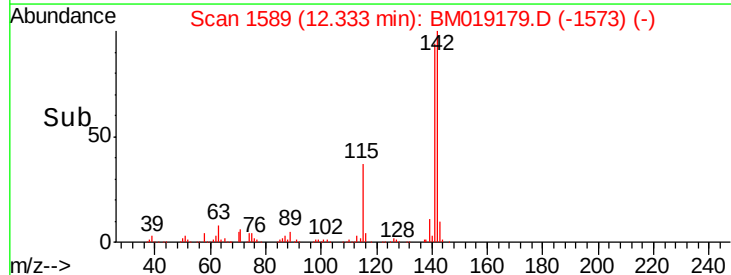
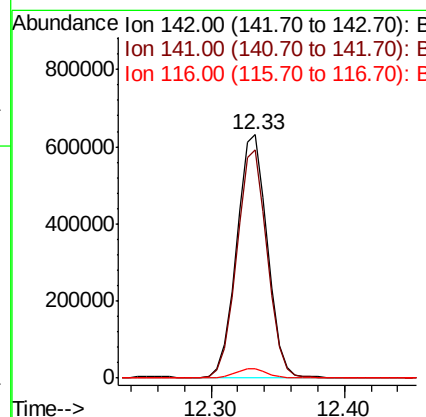
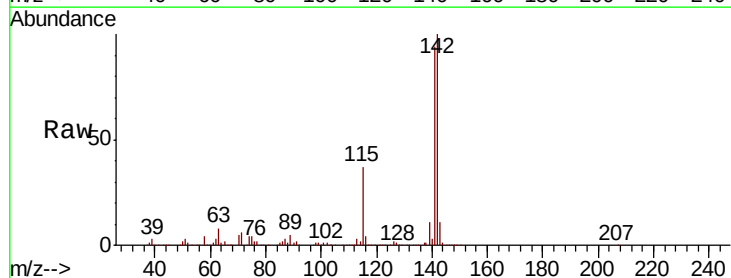
Instrument :
 BNA_M
 ClientSampleId :
 MW-4ADL

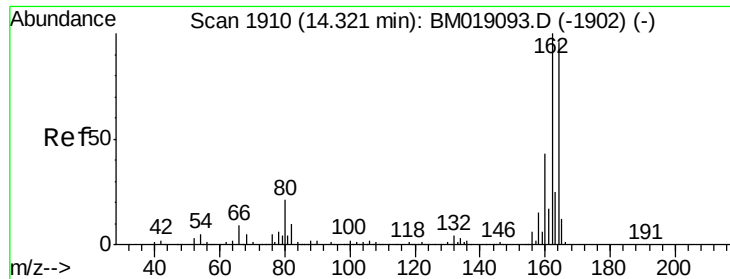
Tot Ion	Ratio	Lower	Upper
142	100		
141	89.8	72.3	108.5
115	36.1	27.8	41.8



#38
 1-Methylnaphthalene
 Concen: 36.672 ng
 RT: 12.33 min Scan# 1589
 Delta R.T. -0.01 min
 Lab File: BM019179.D
 Acq: 14 Mar 2019 21:07

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.8	74.9	112.3
116	3.8	3.2	4.8

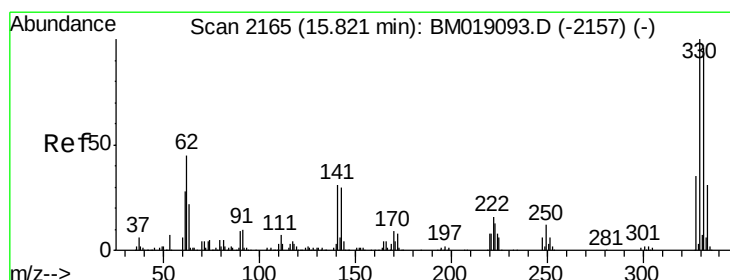
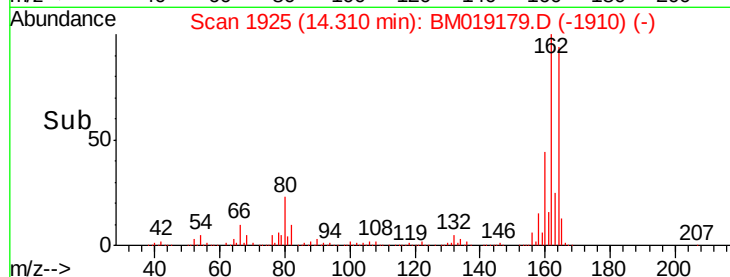
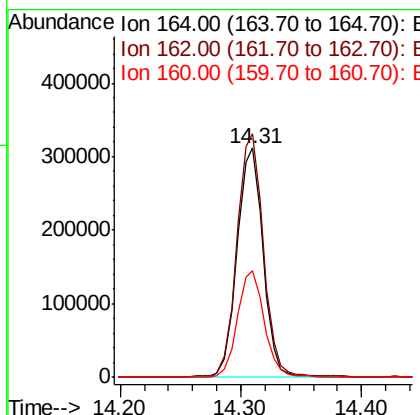
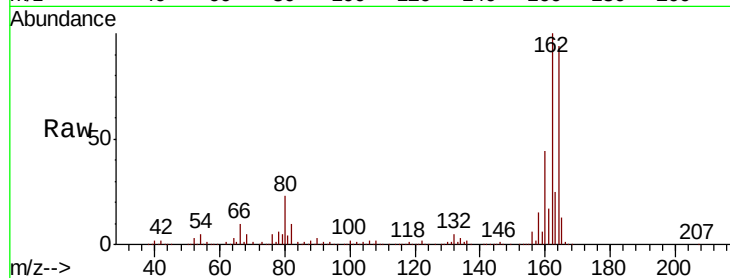




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.31 min Scan# 1925
Delta R.T. -0.01 min
Lab File: BM019179.D
Acq: 14 Mar 2019 21:07

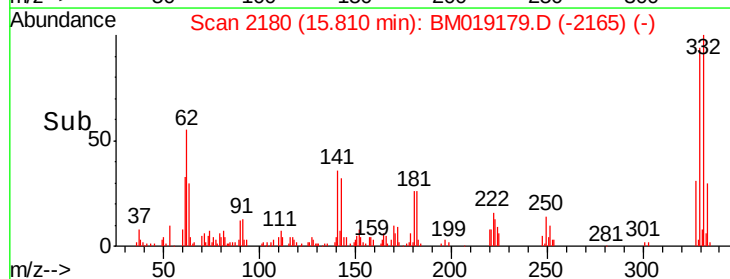
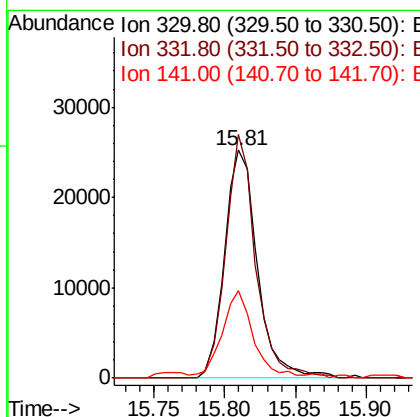
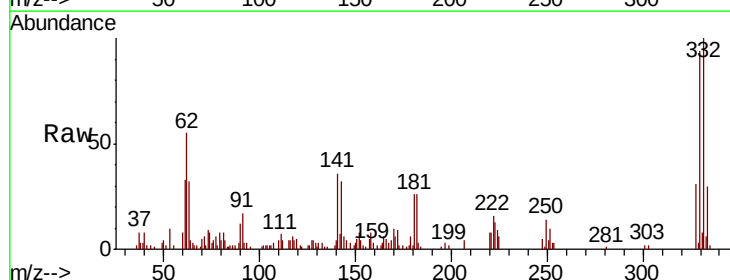
Instrument :
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ClientSampleId :
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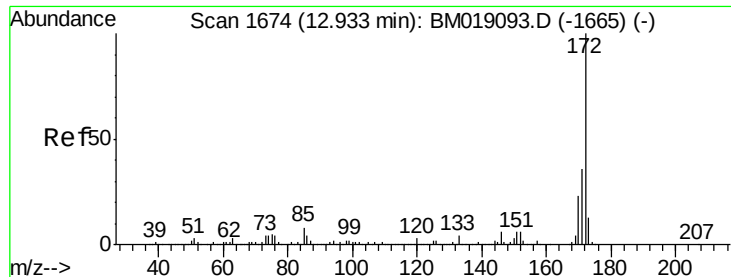
Tot Ion:164 Resp: 469339
Ion Ratio Lower Upper
164 100
162 106.3 83.5 125.3
160 46.3 36.3 54.5



#42
2,4,6-Tribromophenol
Concen: 5.883 ng
RT: 15.81 min Scan# 2180
Delta R.T. -0.01 min
Lab File: BM019179.D
Acq: 14 Mar 2019 21:07

Tgt Ion:330 Resp: 40764
Ion Ratio Lower Upper
330 100
332 98.0 76.8 115.2
141 37.6 27.0 40.4

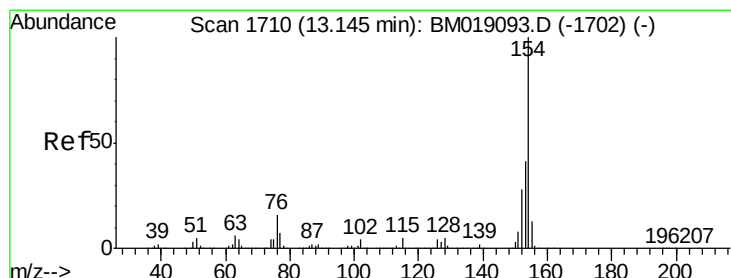
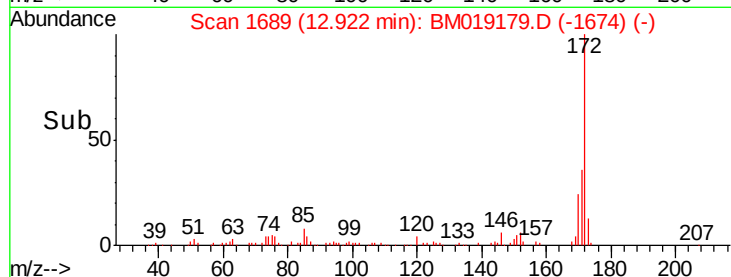
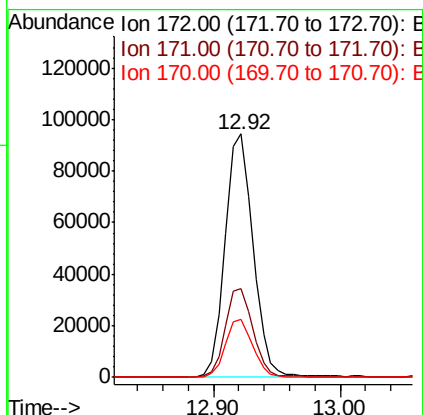
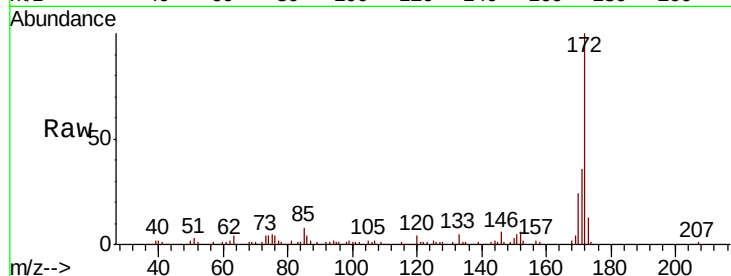




#45
2-Fluorobiphenyl
Concen: 4.023 ng
RT: 12.92 min Scan# 1689
Delta R.T. -0.01 min
Lab File: BM019179.D
Acq: 14 Mar 2019 21:07

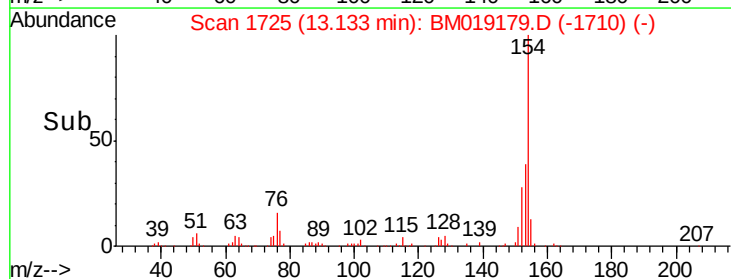
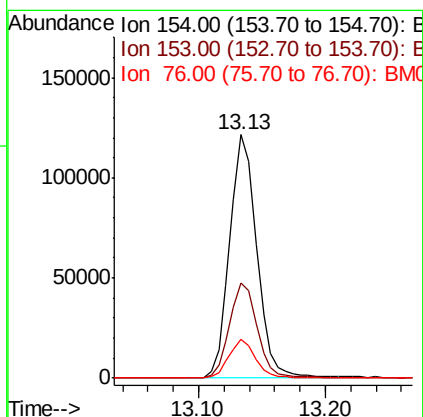
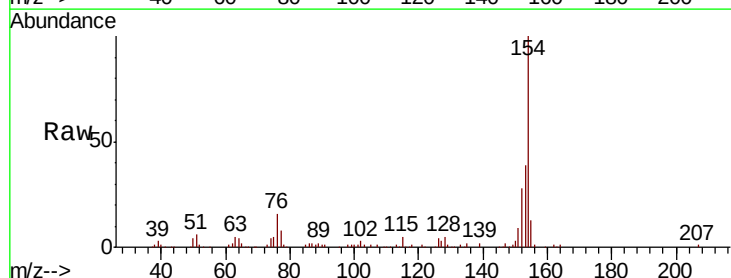
Instrument :
BNA_M
ClientSampleId :
MW-4ADL

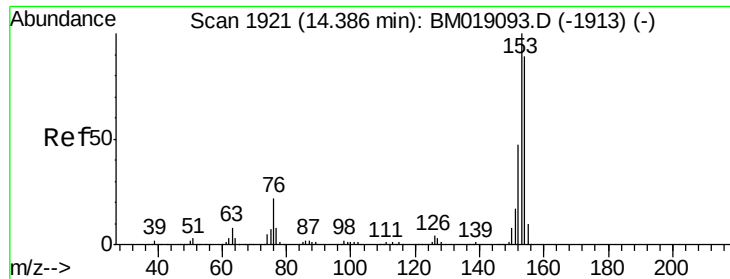
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.3	28.6	42.8
170	24.0	18.6	28.0



#46
1,1'-Biphenyl
Concen: 4.401 ng
RT: 13.13 min Scan# 1725
Delta R.T. -0.01 min
Lab File: BM019179.D
Acq: 14 Mar 2019 21:07

Tgt Ion	Ratio	Lower	Upper
154	100		
153	39.2	21.5	61.5
76	15.7	0.0	35.8





#52

Acenaphthene

Concen: 9.629 ng

RT: 14.37 min Scan# 1935

Delta R.T. -0.02 min

Lab File: BM019179.D

Acq: 14 Mar 2019 21:07

Instrument :

BNA_M

ClientSampleId :

MW-4ADL

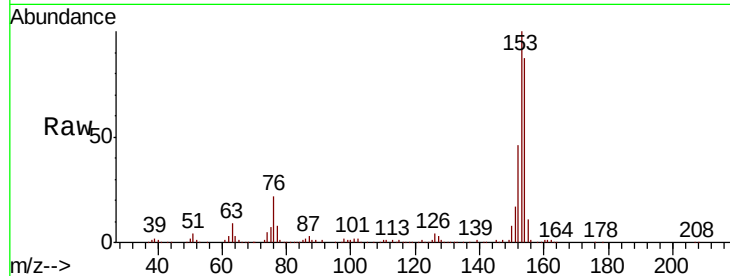
Tot Ion:154 Resp: 286209

Ion Ratio Lower Upper

154 100

153 115.2 90.1 135.1

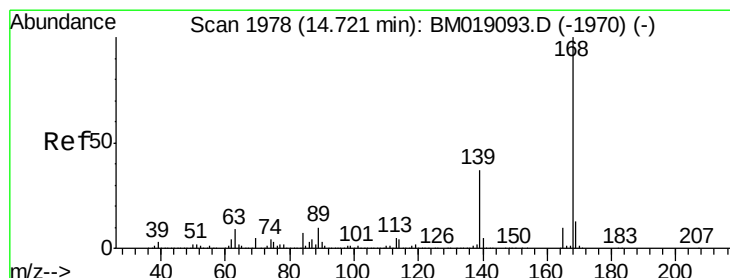
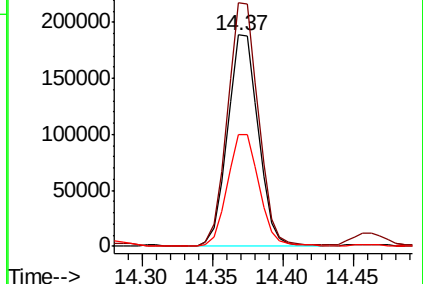
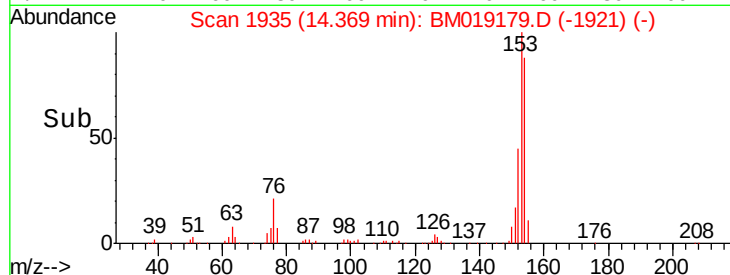
152 52.9 42.5 63.7



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#55

Dibenzofuran

Concen: 5.762 ng

RT: 14.71 min Scan# 1993

Delta R.T. -0.01 min

Lab File: BM019179.D

Acq: 14 Mar 2019 21:07

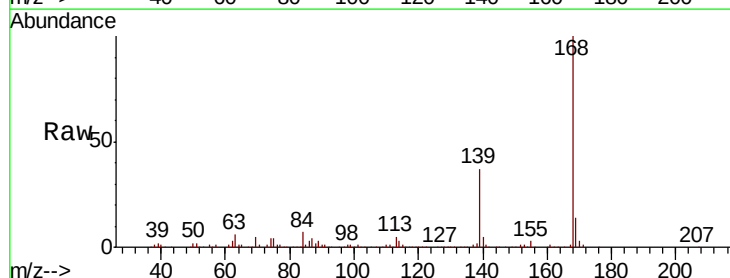
Tgt Ion:168 Resp: 276200

Ion Ratio Lower Upper

168 100

139 37.3 30.1 45.1

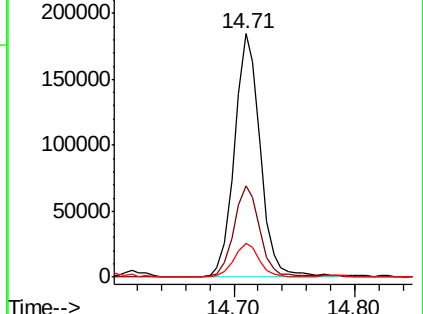
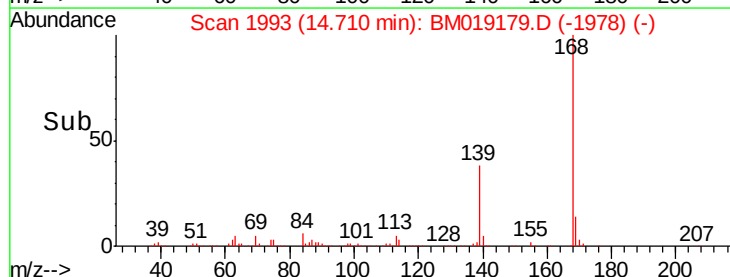
169 13.9 10.6 16.0

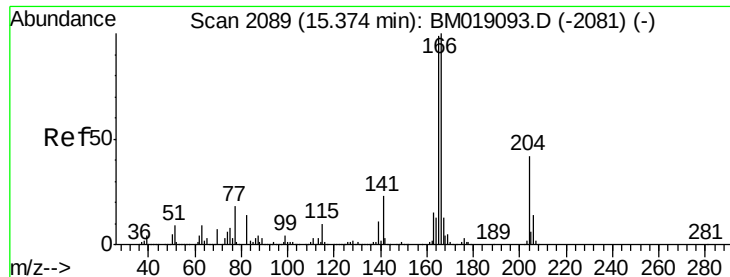


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

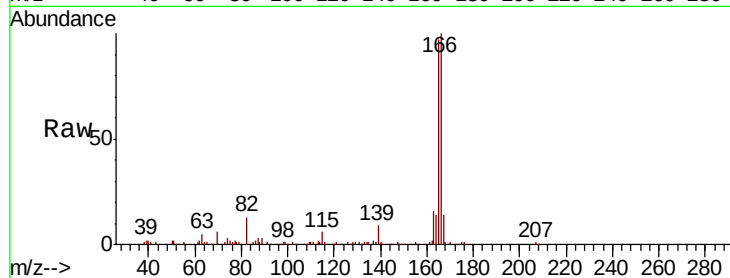




#58
 Fluorene
 Concen: 4.181 ng
 RT: 15.36 min Scan# 2104
 Delta R.T. -0.01 min
 Lab File: BM019179.D
 Acq: 14 Mar 2019 21:07

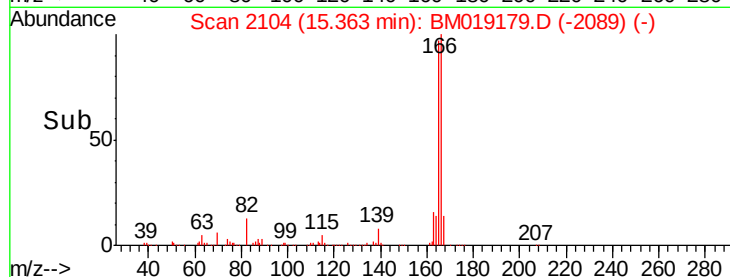
Instrument :
 BNA_M
 ClientSampleId :
 MW-4ADL

Tot Ion:166 Resp: 165202
 Ion Ratio Lower Upper
 166 100
 165 97.3 79.0 118.4
 167 13.9 10.8 16.2

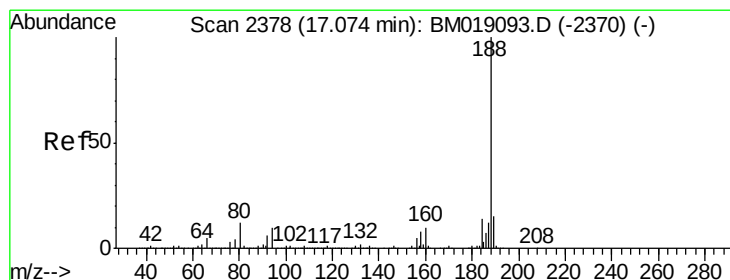


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

15.36

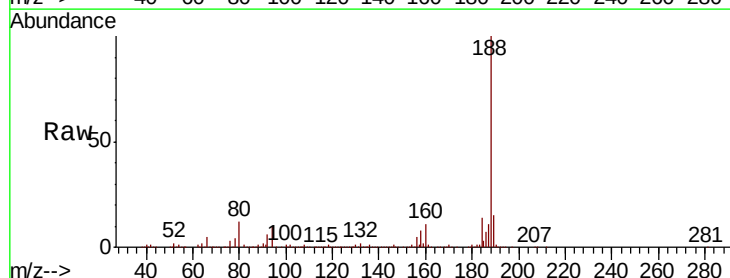


Time-->



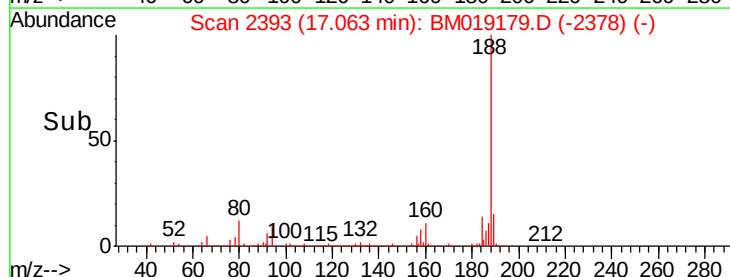
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.06 min Scan# 2393
 Delta R.T. -0.01 min
 Lab File: BM019179.D
 Acq: 14 Mar 2019 21:07

Tgt Ion:188 Resp: 1116744
 Ion Ratio Lower Upper
 188 100
 94 10.1 8.1 12.1
 80 12.3 9.7 14.5

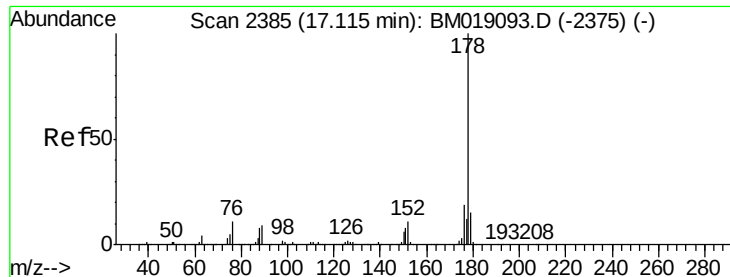


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BM0
 Ion 80.00 (79.70 to 80.70): BM0

17.06



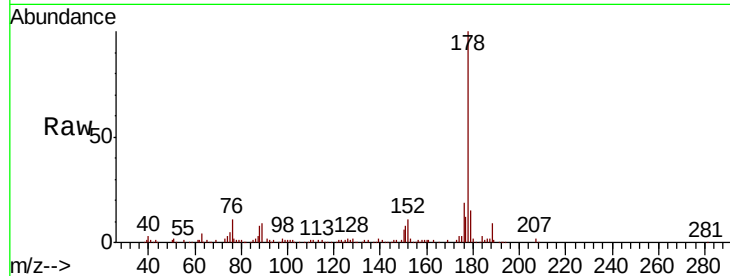
Time-->



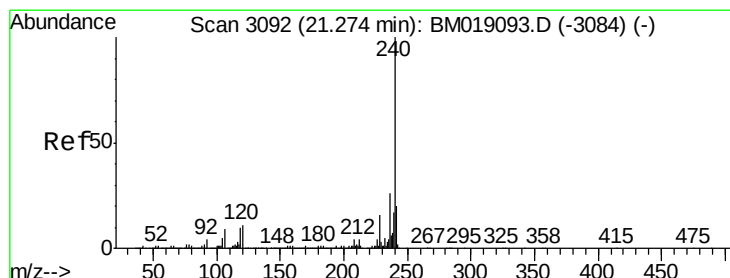
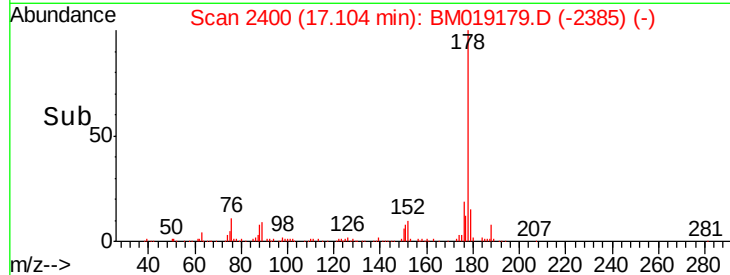
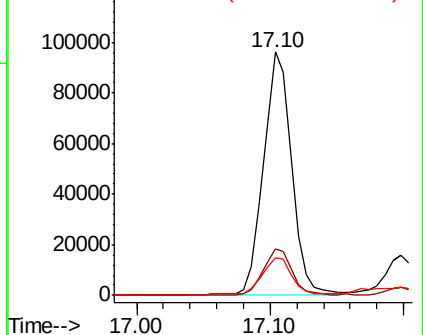
#71
Phenanthrene
Concen: 2.160 ng
RT: 17.10 min Scan# 2400
Delta R.T. -0.01 min
Lab File: BM019179.D
Acq: 14 Mar 2019 21:07

Instrument :
BNA_M
ClientSampleId :
MW-4ADL

Tot Ion:178 Resp: 141386
Ion Ratio Lower Upper
178 100
176 18.9 15.3 22.9
179 15.2 12.2 18.2

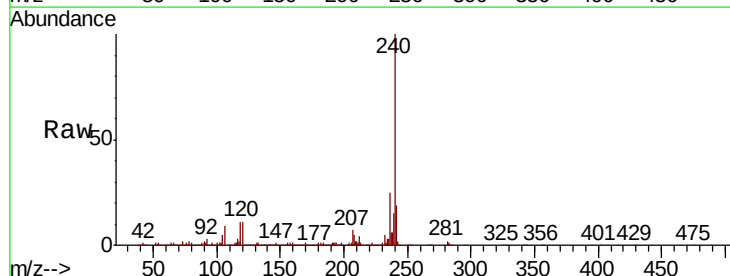


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

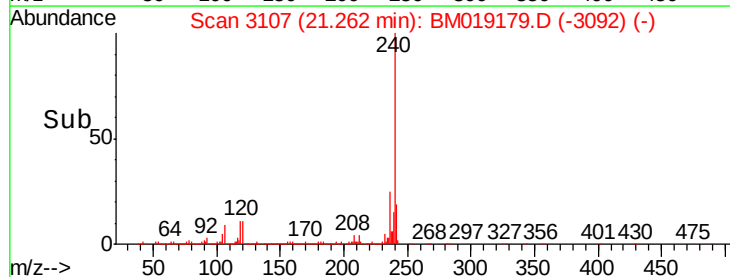
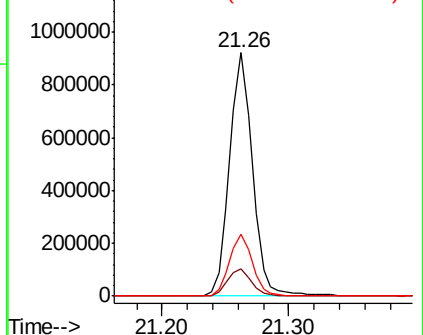


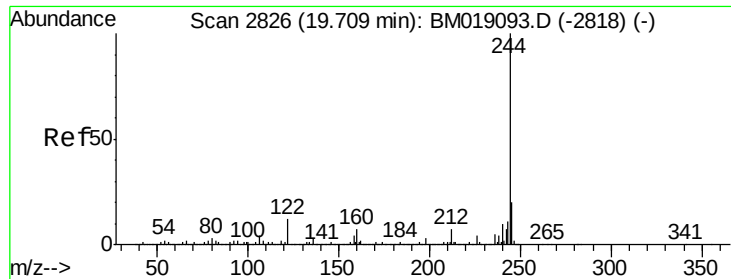
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.26 min Scan# 3107
Delta R.T. -0.01 min
Lab File: BM019179.D
Acq: 14 Mar 2019 21:07

Tgt Ion:240 Resp: 1156182
Ion Ratio Lower Upper
240 100
120 11.2 8.9 13.3
236 25.4 21.0 31.4



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





#79

Terphenyl-d14

Concen: 4.138 ng

RT: 19.70 min Scan# 2841

Delta R.T. -0.01 min

Lab File: BM019179.D

Acq: 14 Mar 2019 21:07

Instrument :

BNA_M

ClientSampleId :

MW-4ADL

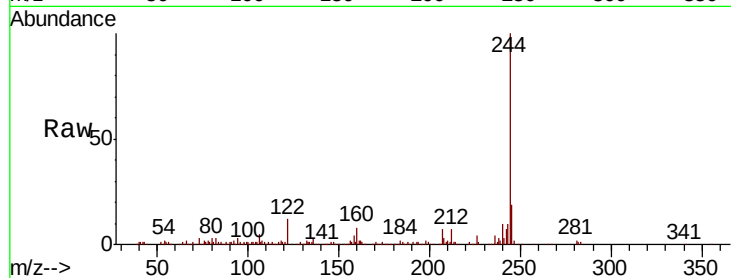
Tot Ion:244 Resp: 241003

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.2

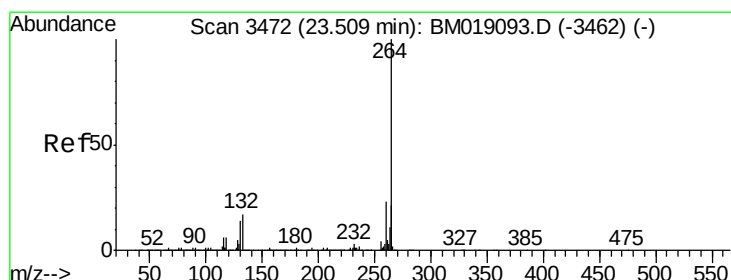
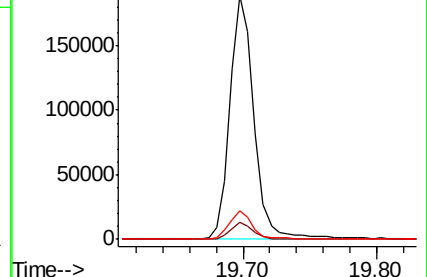
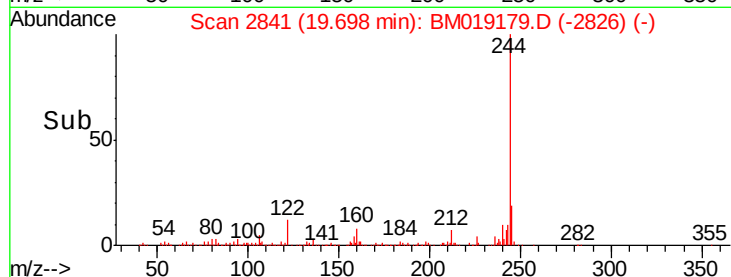
122 11.7 9.4 14.2



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 23.50 min Scan# 3487

Delta R.T. -0.01 min

Lab File: BM019179.D

Acq: 14 Mar 2019 21:07

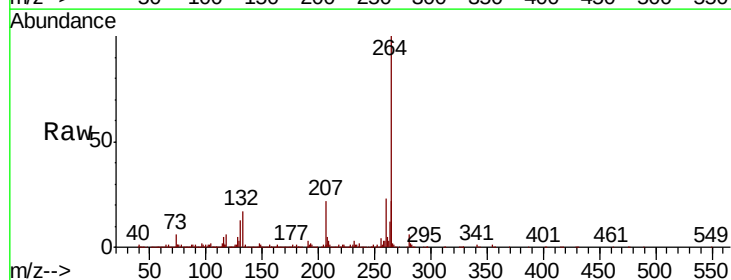
Tgt Ion:264 Resp: 1057254

Ion Ratio Lower Upper

264 100

260 23.4 18.6 28.0

265 22.4 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

