

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080818\
 Data File : BM016264.D
 Acq On : 09 Aug 2018 01:38
 Operator : SJ/JU
 Sample : J4375-01 10X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 09 05:20:51 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	8.13	152	32852	20.00	ng	0.00
21) Naphthalene-d8	10.95	136	127525	20.00	ng	0.00
38) Acenaphthene-d10	14.77	164	75144	20.00	ng	0.00
63) Phenanthrene-d10	17.52	188	236340	20.00	ng	0.00
75) Chrysene-d12	21.64	240	172927	20.00	ng	0.00
86) Perylene-d12	23.97	264	175365	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.69	112	1150	0.58	ng	0.03
7) Phenol-d6	7.35	99	1198	0.46	ng	0.04
23) Nitrobenzene-d5	9.29	82	111	0.04	ng	-0.03
41) 2,4,6-Tribromophenol	16.27	330	1413	1.48	ng	0.00
44) 2-Fluorobiphenyl	13.39	172	6008	0.97	ng	0.00
78) Terphenyl-d14	20.09	244	14941	1.81	ng	0.00

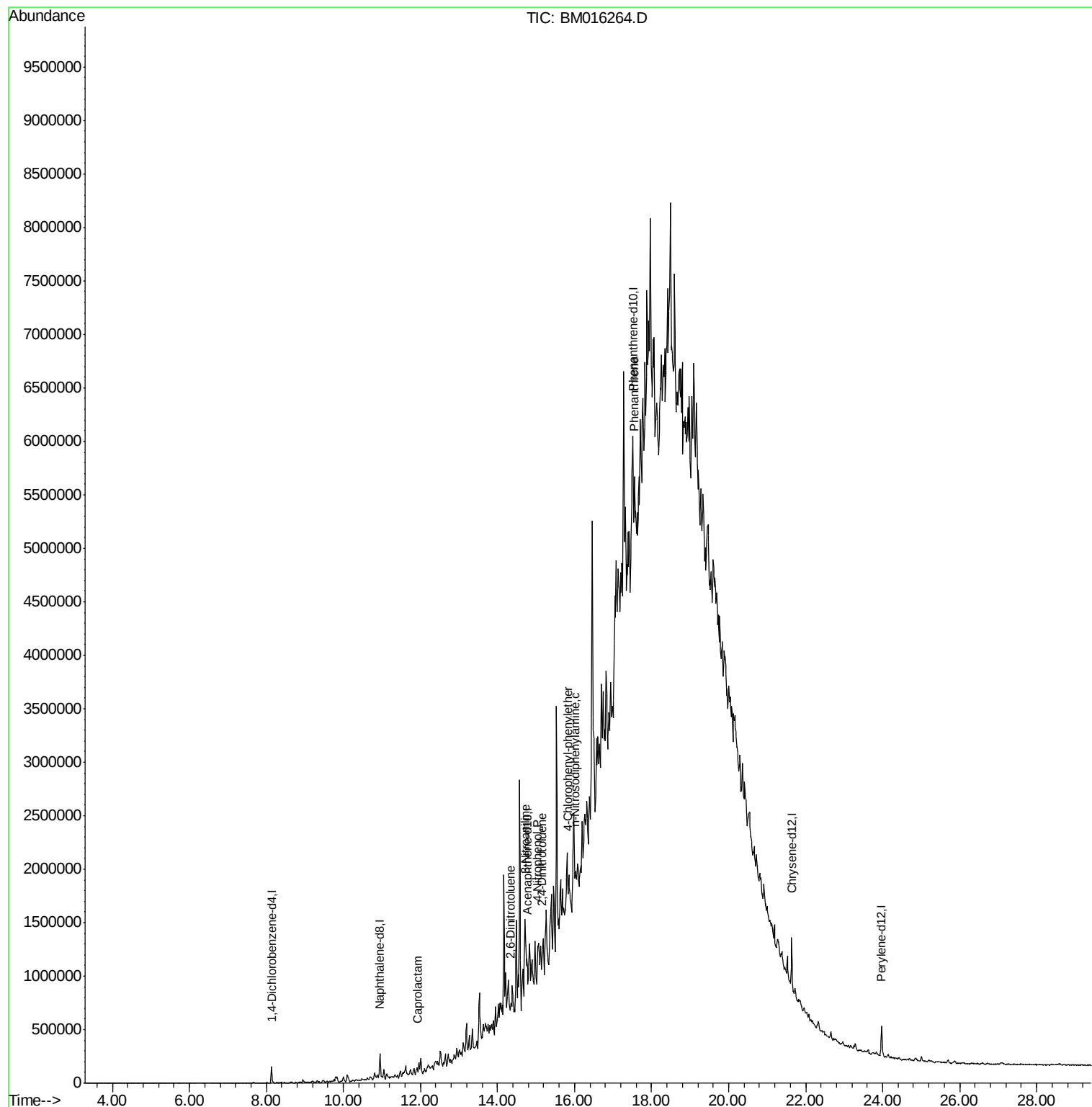
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
35) Caprolactam	11.92	113	1451	2.747	ng	# 1
50) 2,6-Dinitrotoluene	14.36	165	8812	6.660	ng	# 51
52) 3-Nitroaniline	14.72	138	9877	6.911	ng	# 61
55) 4-Nitrophenol	15.05	139	2403	2.345	ng	# 1
56) 2,4-Dinitrotoluene	15.16	165	5483	2.898	ng	# 64
60) 4-Chlorophenyl-phenylether	15.82	204	7175	2.216	ng	# 1
65) n-Nitrosodiphenylamine	16.02	169	23564	3.028	ng	# 43
70) Phenanthrene	17.56	178	78379	5.924	ng	# 57

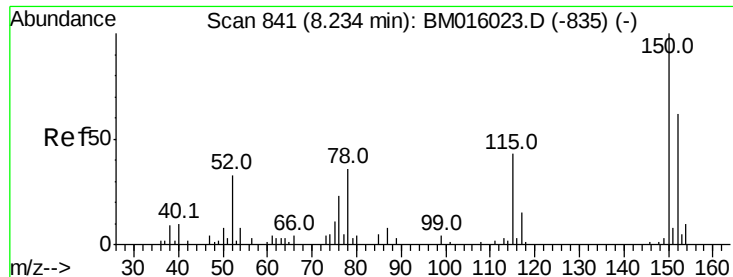
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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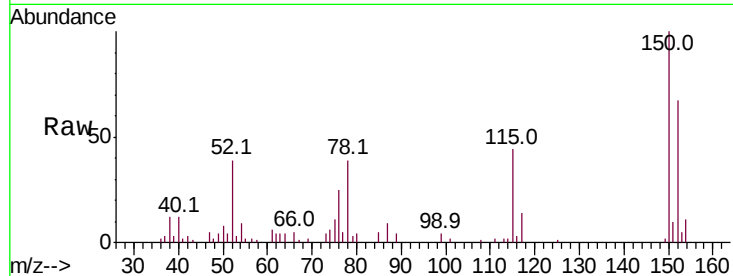


#1

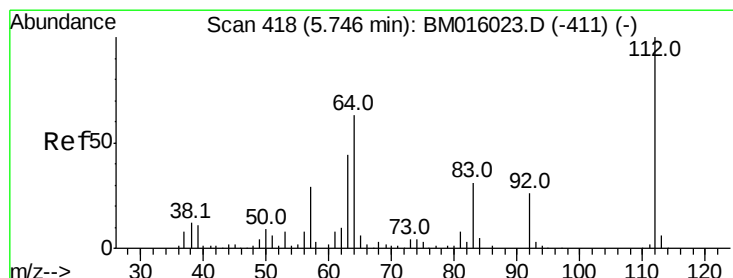
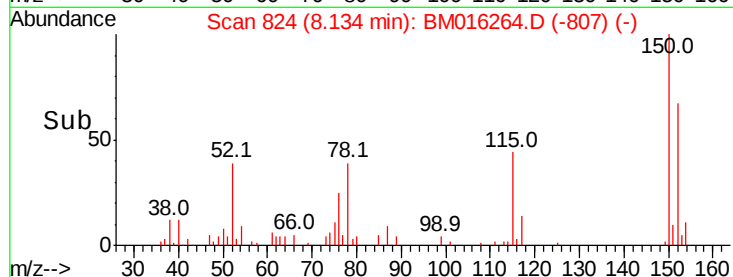
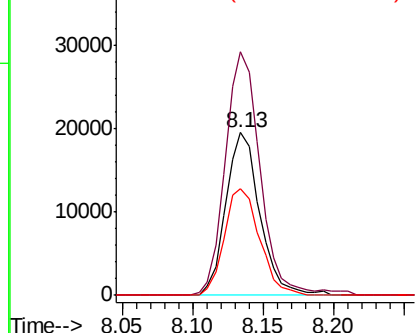
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.13 min Scan# 824
Delta R.T. 0.00 min
Lab File: BM016264.D
Acq: 09 Aug 2018 01:38

Instrument :
BNA_M
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.6	119.5	179.3
115	65.9	43.0	64.4#



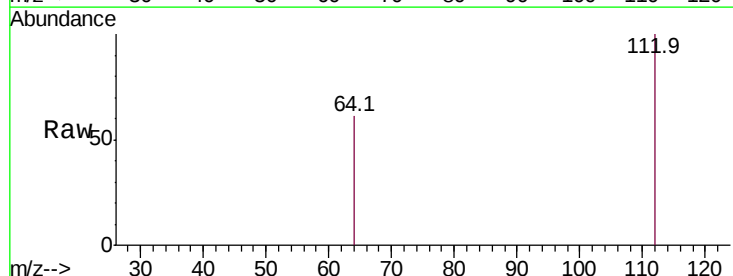
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



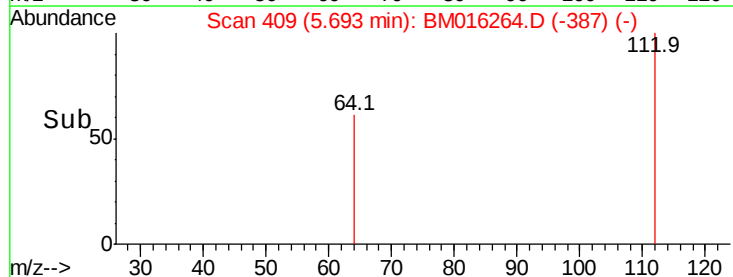
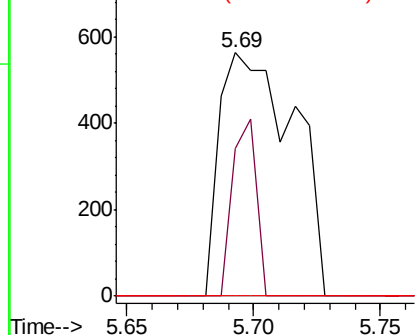
#5

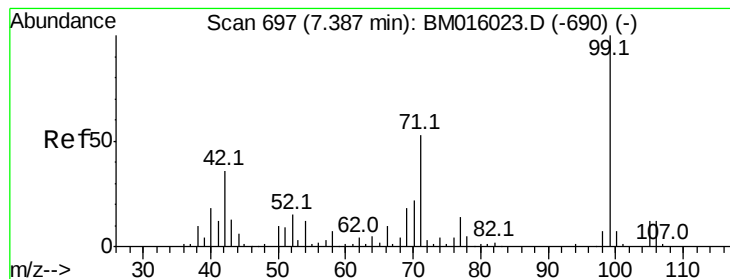
2-Fluorophenol
Concen: N.D. ng
RT: 5.69 min Scan# 409
Delta R.T. 0.03 min
Lab File: BM016264.D
Acq: 09 Aug 2018 01:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.6	38.6	57.8#
63	0.0	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: 7.35 min Scan# 690

Delta R.T. 0.04 min

Lab File: BM016264.D

Acq: 09 Aug 2018 01:38

Instrument :

BNA_M

ClientSampled :

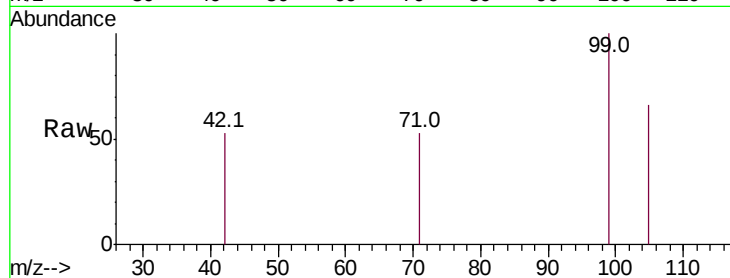
Tot Ion: 99 Resp: 1198

Ion Ratio Lower Upper

99 100

42 52.9 11.0 16.4#

71 52.8 23.4 35.2#

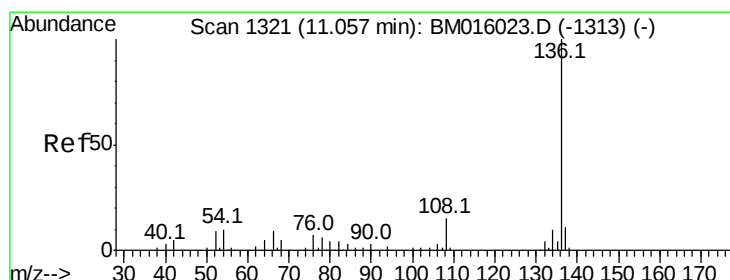
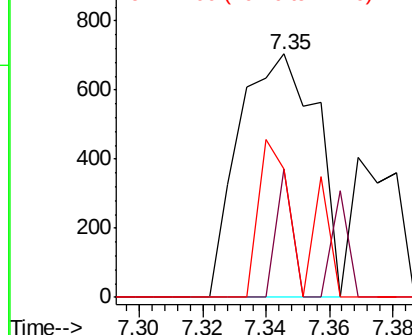
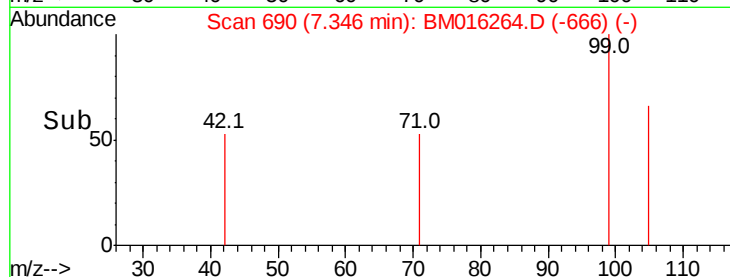


Abundance Ion 99.00 (98.70 to 99.70): BM016023.D (-690) (-)

Ion 42.00 (41.70 to 42.70): BM016023.D (-690) (-)

Ion 71.00 (70.70 to 71.70): BM016023.D (-690) (-)

Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.95 min Scan# 1303

Delta R.T. 0.00 min

Lab File: BM016264.D

Acq: 09 Aug 2018 01:38

Tgt Ion: 136 Resp: 127525

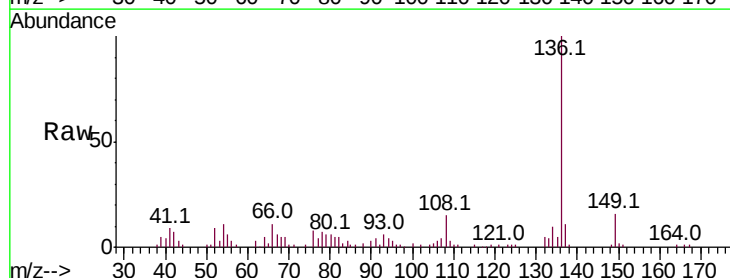
Ion Ratio Lower Upper

136 100

137 10.8 8.7 13.1

54 11.4 4.6 6.8#

68 5.5 3.7 5.5



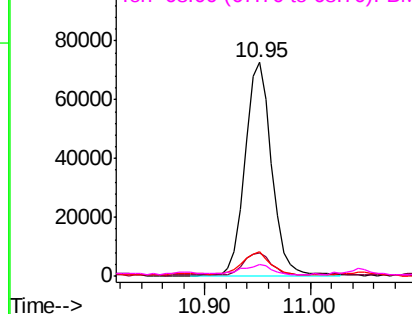
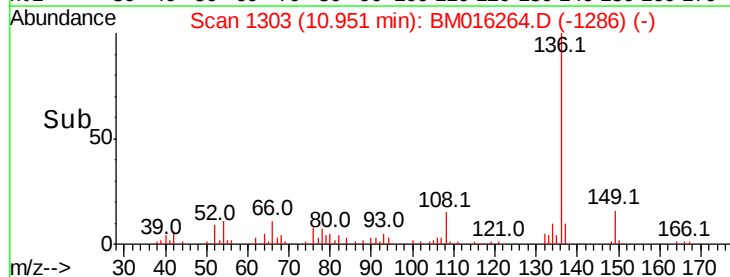
Abundance Ion 136.00 (135.70 to 136.70): BM016023.D (-1313) (-)

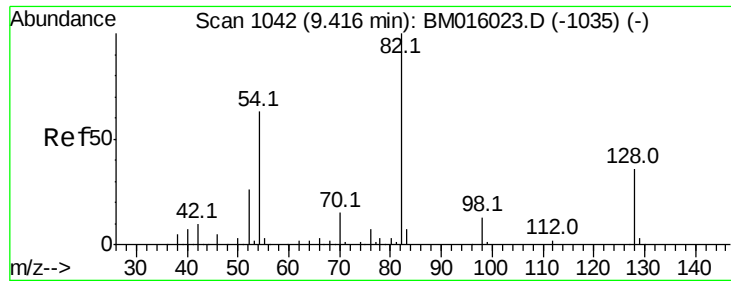
Ion 137.00 (136.70 to 137.70): BM016023.D (-1313) (-)

Ion 54.00 (53.70 to 54.70): BM016023.D (-1313) (-)

Ion 68.00 (67.70 to 68.70): BM016023.D (-1313) (-)

Time-->

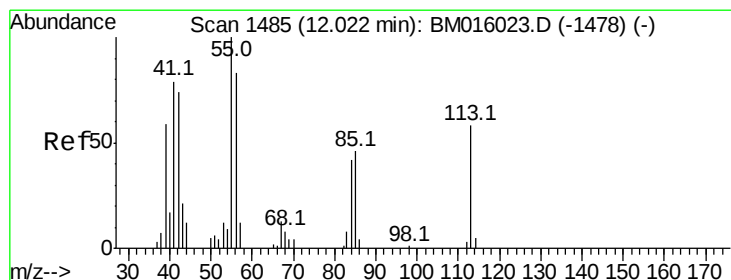
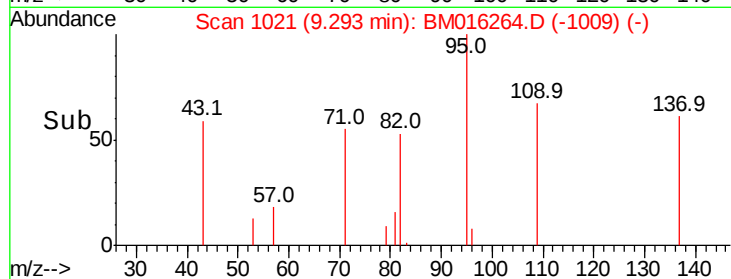
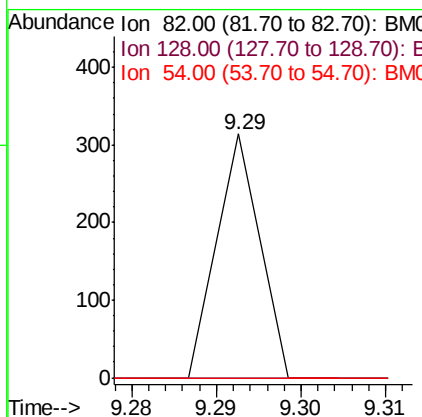
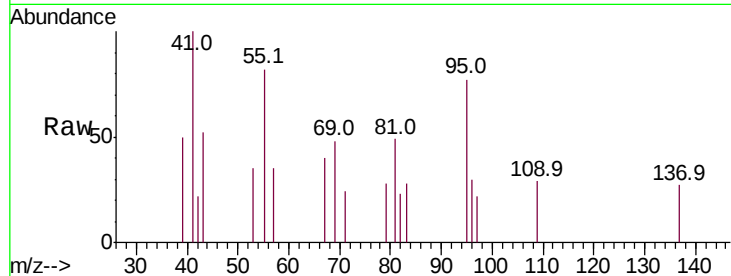




#23
 Nitrobenzene-d5
 Concen: Below na
 RT: 9.29 min Scan# 1021
 Delta R.T. -0.03 min
 Lab File: BM016264.D
 Acq: 09 Aug 2018 01:38

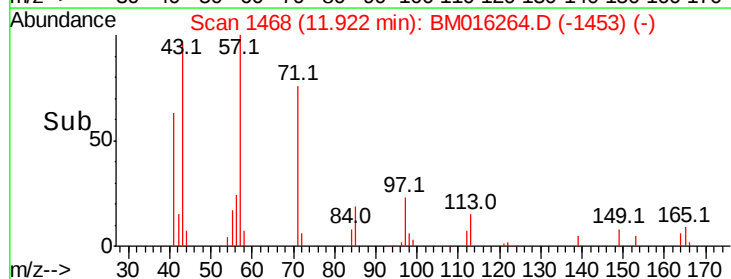
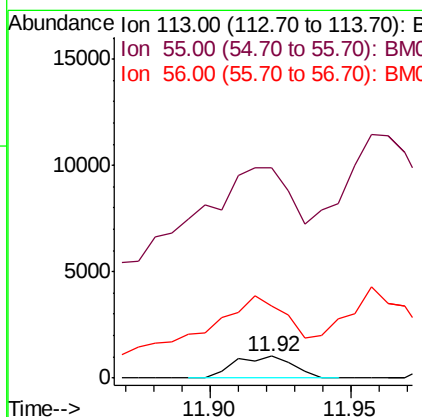
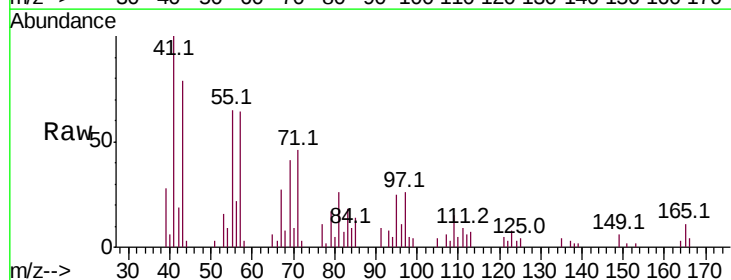
Instrument :
 BNA_M
 ClientSampled :

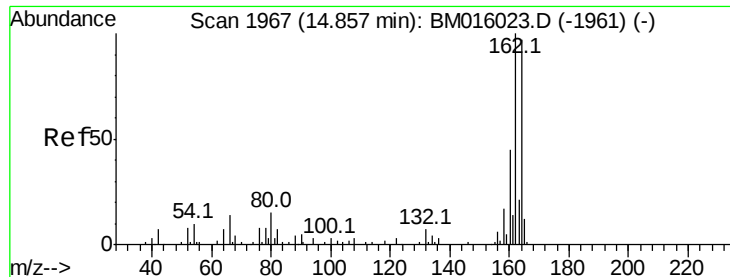
Tot Ion: 82 Resp: 111
 Ion Ratio Lower Upper
 82 100
 128 0.0 32.8 49.2#
 54 0.0 40.6 60.8#



#35
 Caprolactam
 Concen: 2.747 ng
 RT: 11.92 min Scan# 1468
 Delta R.T. -0.01 min
 Lab File: BM016264.D
 Acq: 09 Aug 2018 01:38

Tgt Ion: 113 Resp: 1451
 Ion Ratio Lower Upper
 113 100
 55 958.7 145.9 185.9#
 56 326.0 101.0 141.0#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.77 min Scan# 1953

Delta R.T. 0.01 min

Lab File: BM016264.D

Acq: 09 Aug 2018 01:38

Instrument :

BNA_M

ClientSampleId :

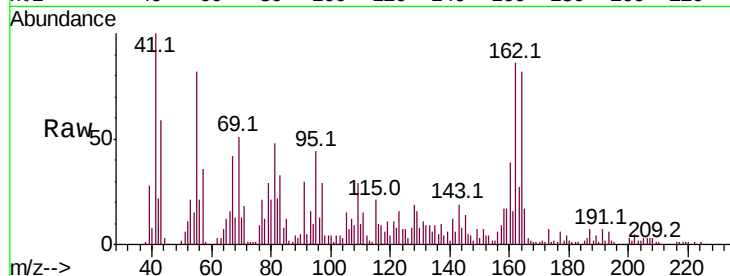
Tot Ion:164 Resp: 75144

Ion Ratio Lower Upper

164 100

162 105.2 82.4 123.6

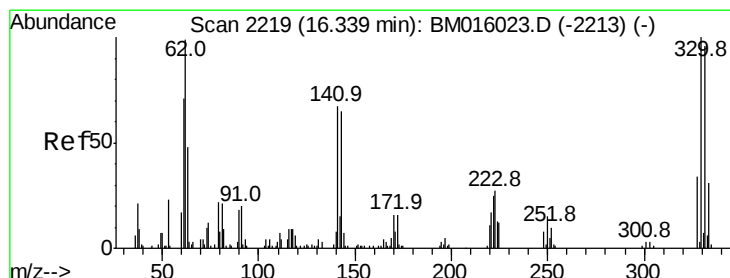
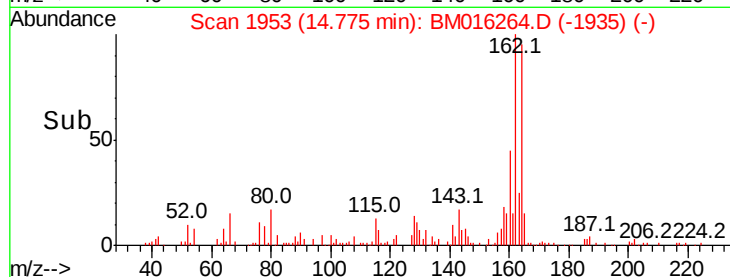
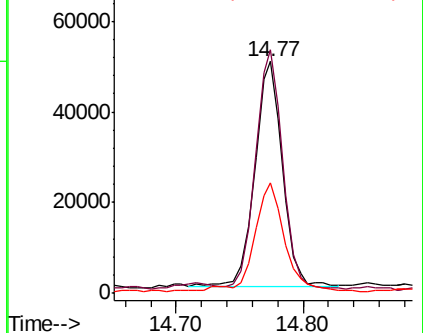
160 47.7 35.8 53.6



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: 16.27 min Scan# 2207

Delta R.T. 0.01 min

Lab File: BM016264.D

Acq: 09 Aug 2018 01:38

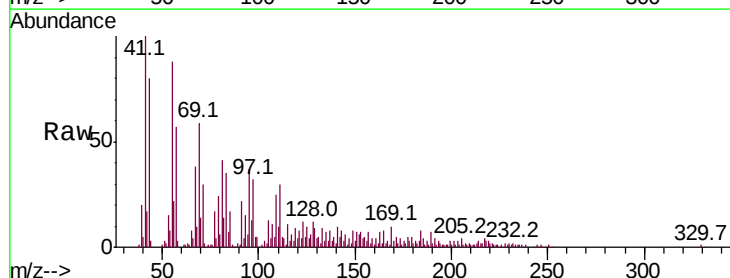
Tgt Ion:330 Resp: 1413

Ion Ratio Lower Upper

330 100

332 81.4 0.0 0.0#

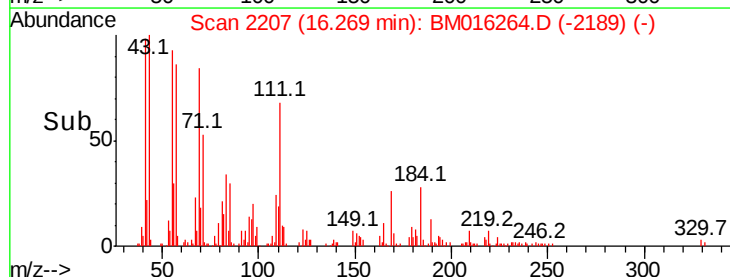
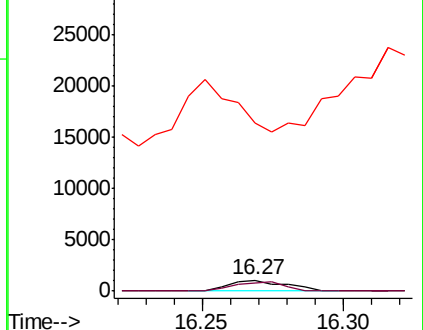
141 0.0 0.0 0.0

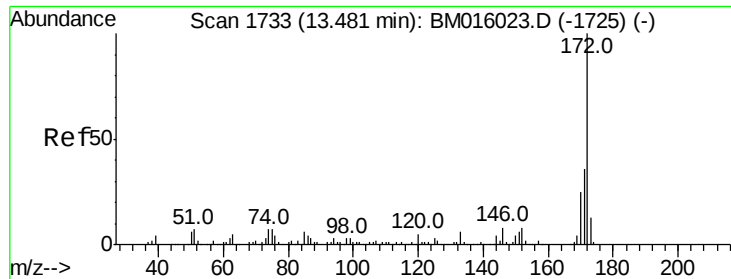


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

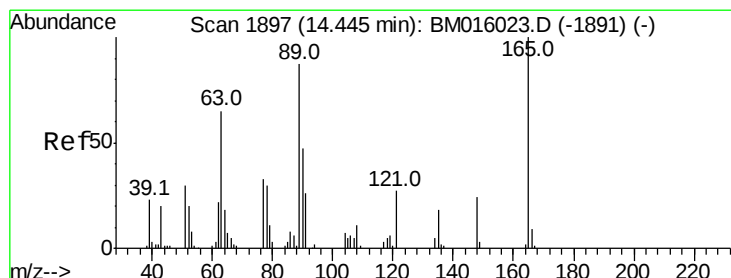
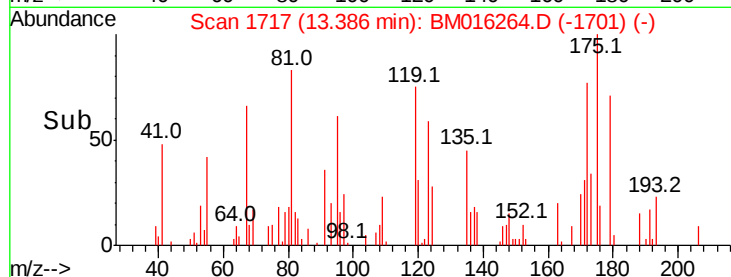
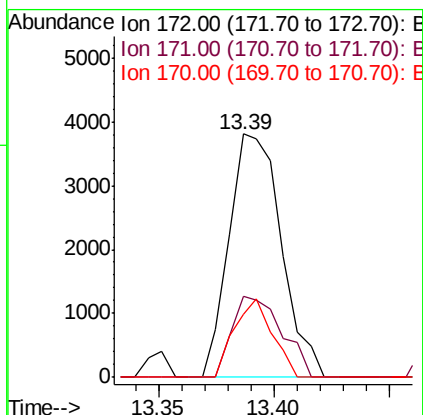
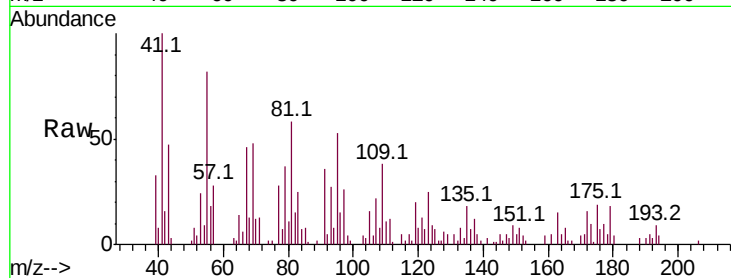




#44
2-Fluorobiphenyl
Concen: Below na
RT: 13.39 min Scan# 1717
Delta R.T. -0.01 min
Lab File: BM016264.D
Acq: 09 Aug 2018 01:38

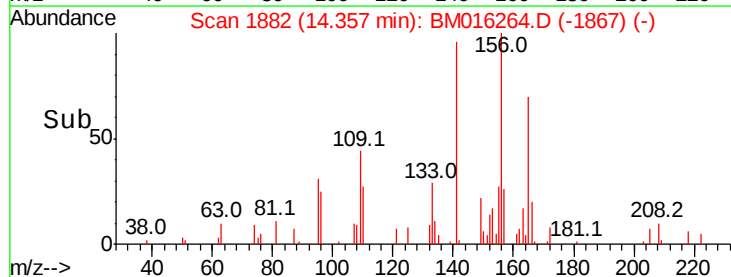
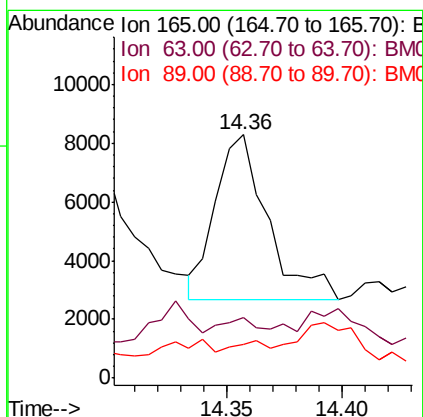
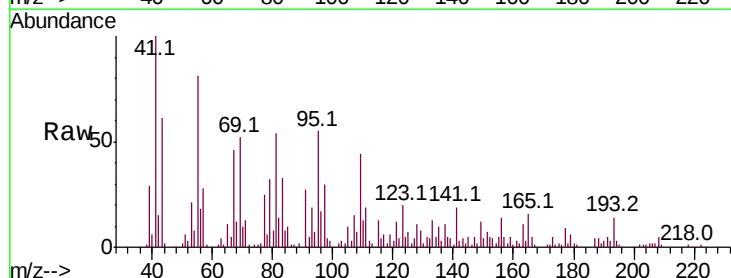
Instrument :
BNA_M
ClientSampleId :

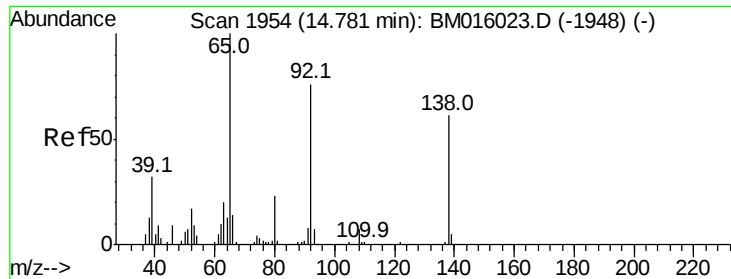
Tot Ion:172 Resp: 6008
Ion Ratio Lower Upper
172 100
171 33.4 28.5 42.7
170 25.8 18.8 28.2



#50
2,6-Dinitrotoluene
Concen: 6.660 ng
RT: 14.36 min Scan# 1882
Delta R.T. -0.01 min
Lab File: BM016264.D
Acq: 09 Aug 2018 01:38

Tgt Ion:165 Resp: 8812
Ion Ratio Lower Upper
165 100
63 25.1 44.1 66.1#
89 14.0 44.3 66.5#





#52

3-Nitroaniline

Concen: 6.911 ng

RT: 14.72 min Scan# 1943

Delta R.T. 0.01 min

Lab File: BM016264.D

Acq: 09 Aug 2018 01:38

Instrument :

BNA_M

ClientSampled :

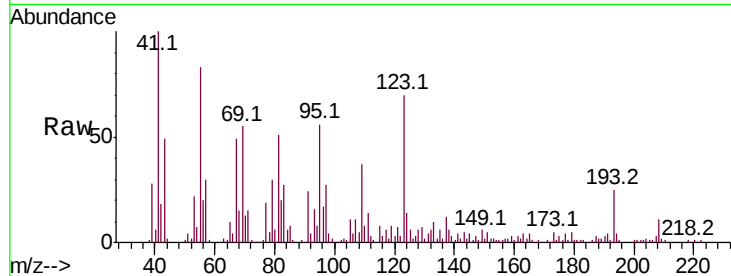
Tot Ion:138 Resp: 9877

Ion Ratio Lower Upper

138 100

108 82.2 7.3 10.9#

92 73.1 76.6 114.8#

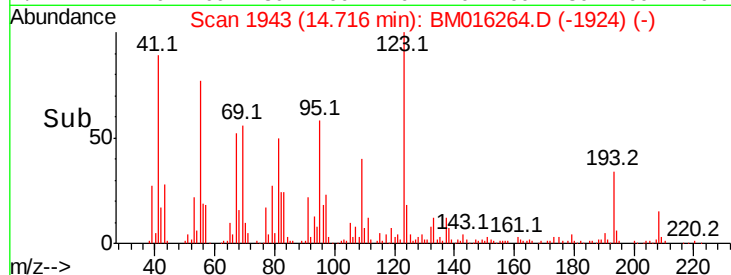


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): E

Time-->

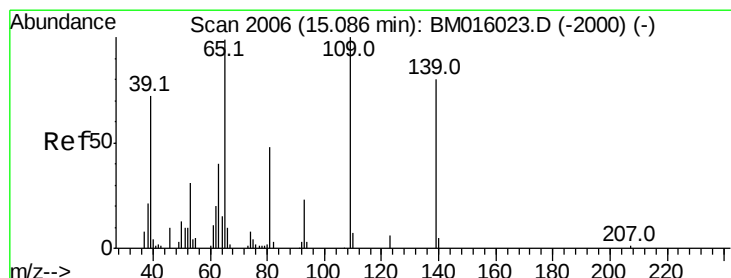


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): E

Time-->



#55

4-Nitrophenol

Concen: 2.345 ng

RT: 15.05 min Scan# 1999

Delta R.T. 0.02 min

Lab File: BM016264.D

Acq: 09 Aug 2018 01:38

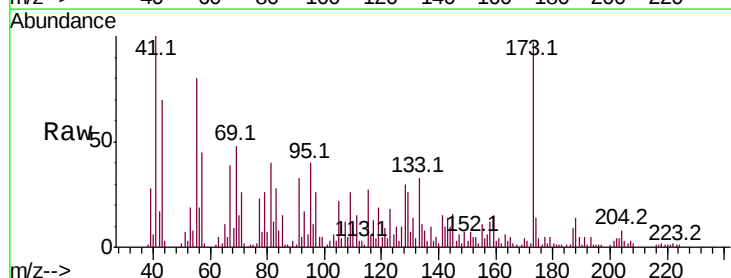
Tgt Ion:139 Resp: 2403

Ion Ratio Lower Upper

139 100

109 475.9 130.0 170.0#

65 206.4 130.0 170.0#

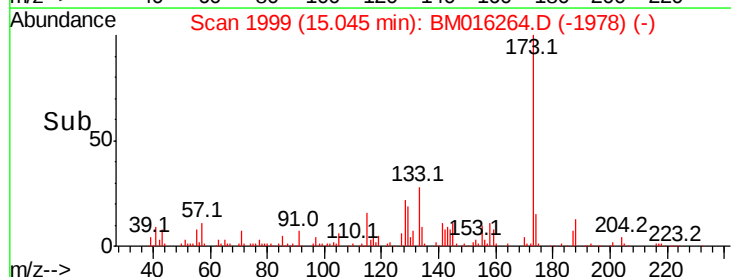


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): E

Time-->

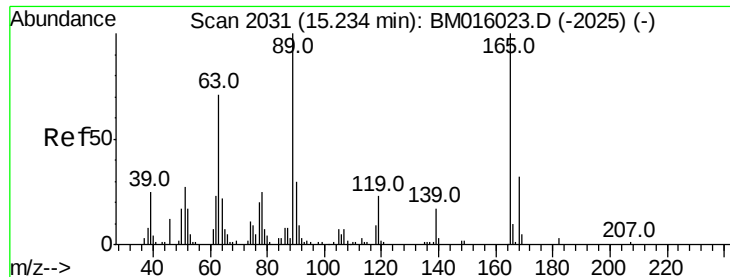


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): E

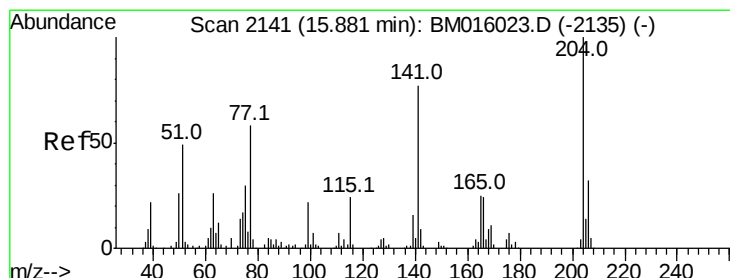
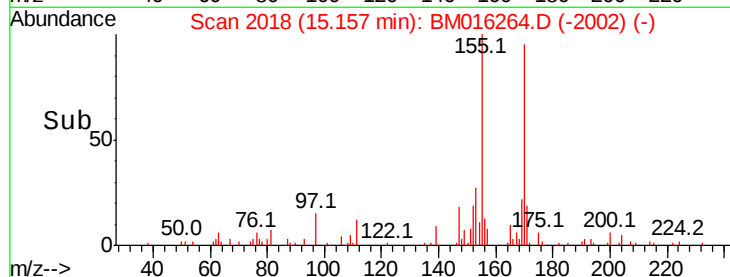
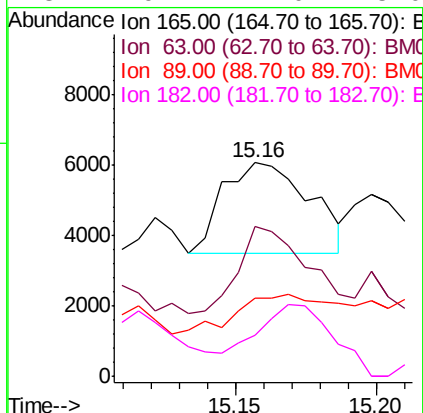
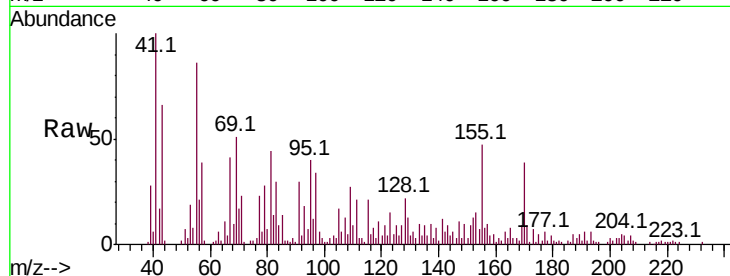
Time-->



#56
 2,4-Dinitrotoluene
 Concen: 2.898 ng
 RT: 15.16 min Scan# 2018
 Delta R.T. -0.01 min
 Lab File: BM016264.D
 Acq: 09 Aug 2018 01:38

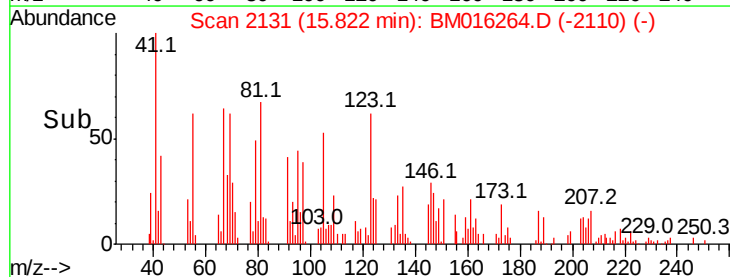
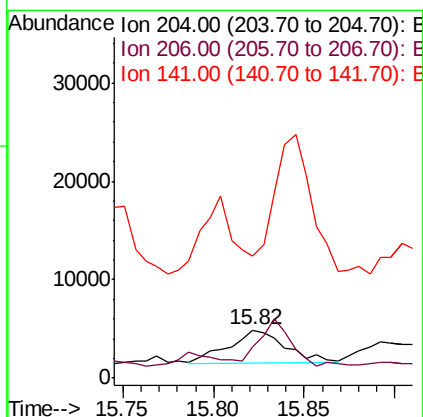
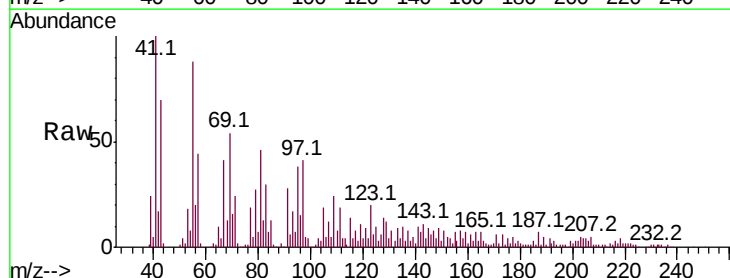
Instrument :
 BNA_M
 ClientSampleId :

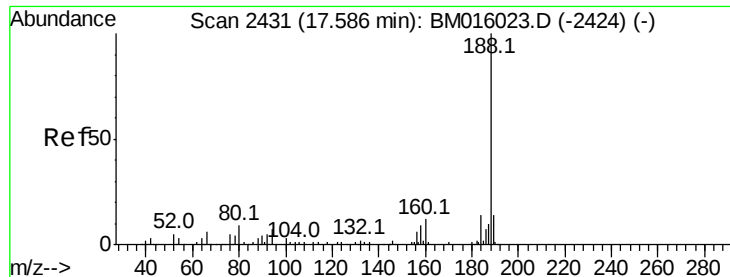
Tot Ion:165 Resp: 5483
 Ion Ratio Lower Upper
 165 100
 63 70.0 52.4 78.6
 89 36.8 72.4 108.6#
 182 19.2 2.0 3.0#



#60
 4-Chlorophenyl-phenylether
 Concen: 2.216 ng
 RT: 15.82 min Scan# 2131
 Delta R.T. 0.02 min
 Lab File: BM016264.D
 Acq: 09 Aug 2018 01:38

Tgt Ion:204 Resp: 7175
 Ion Ratio Lower Upper
 204 100
 206 63.6 26.6 39.8#
 141 253.3 45.2 67.8#

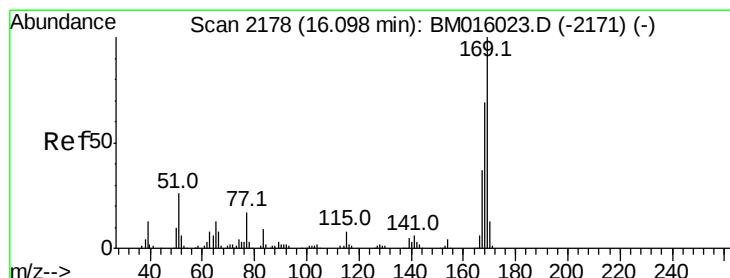
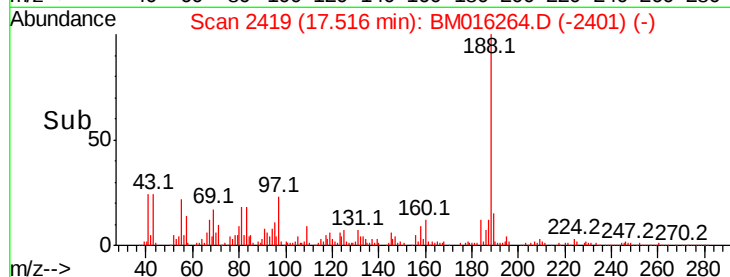
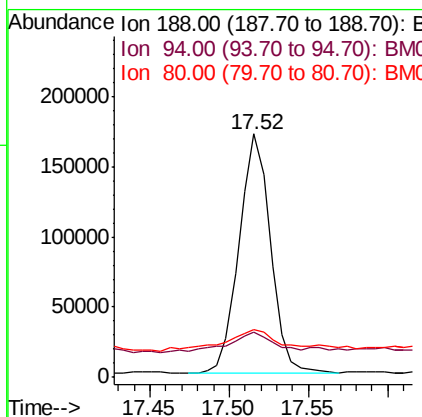
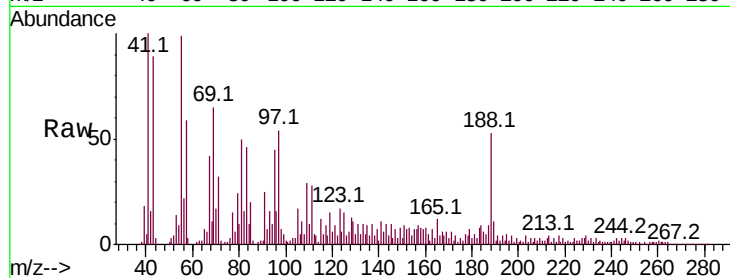




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.52 min Scan# 2419
Delta R.T. 0.01 min
Lab File: BM016264.D
Acq: 09 Aug 2018 01:38

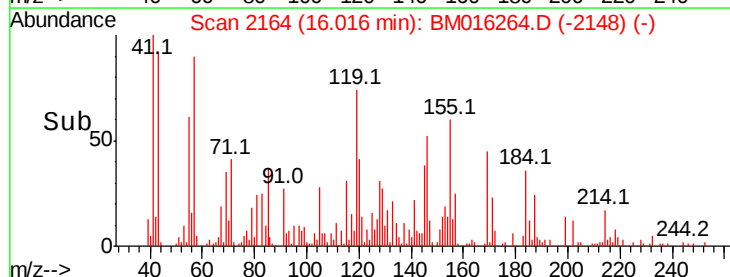
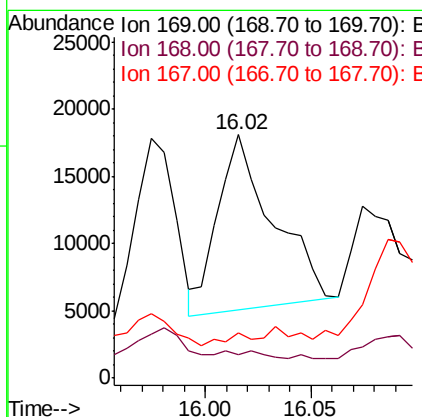
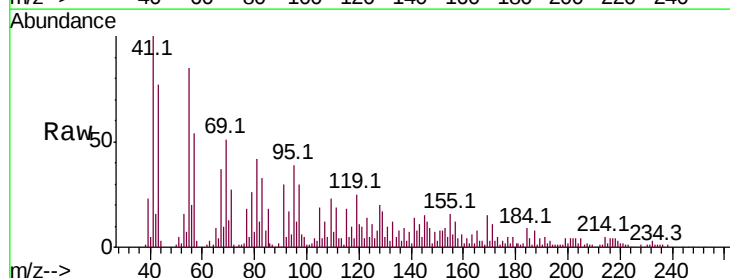
Instrument :
BNA_M
ClientSampleId :

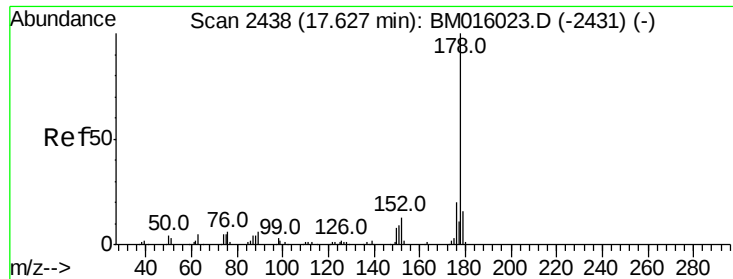
Tot Ion:188 Resp: 236340
Ion Ratio Lower Upper
188 100
94 18.7 8.7 13.1#
80 19.9 9.3 13.9#



#65
n-Nitrosodiphenylamine
Concen: 3.028 ng
RT: 16.02 min Scan# 2164
Delta R.T. -0.01 min
Lab File: BM016264.D
Acq: 09 Aug 2018 01:38

Tgt Ion:169 Resp: 23564
Ion Ratio Lower Upper
169 100
168 9.9 53.9 80.9#
167 18.3 28.9 43.3#

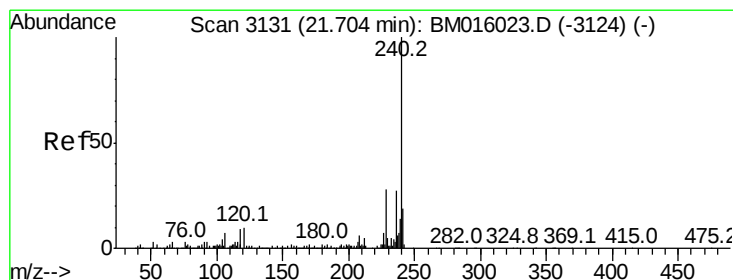
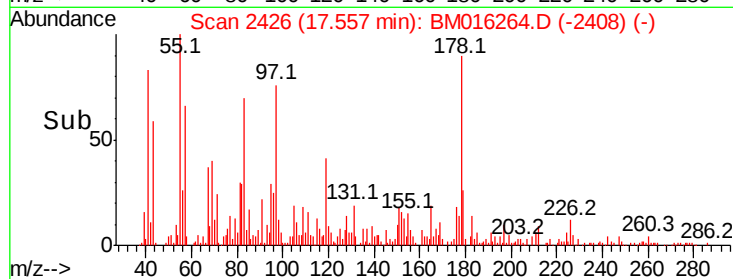
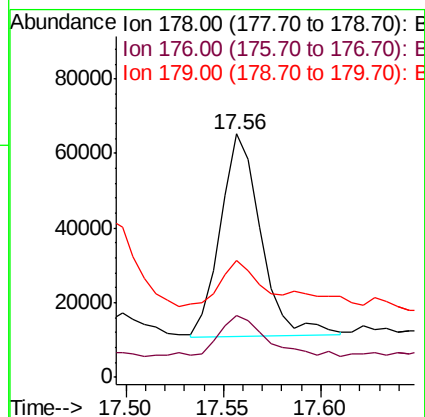
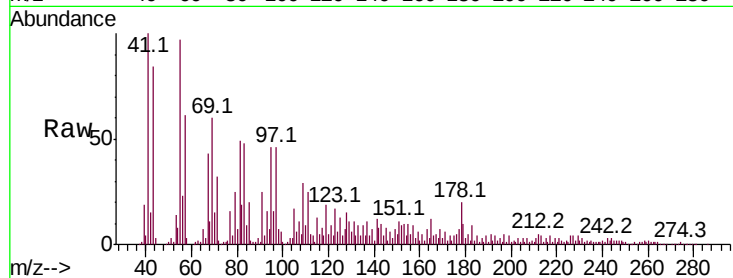




#70
Phenanthrene
Concen: 5.924 ng
RT: 17.56 min Scan# 2426
Delta R.T. 0.01 min
Lab File: BM016264.D
Acq: 09 Aug 2018 01:38

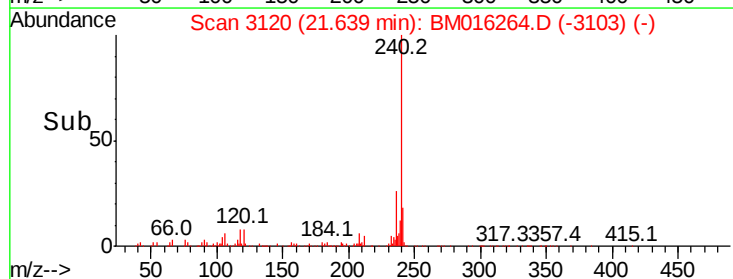
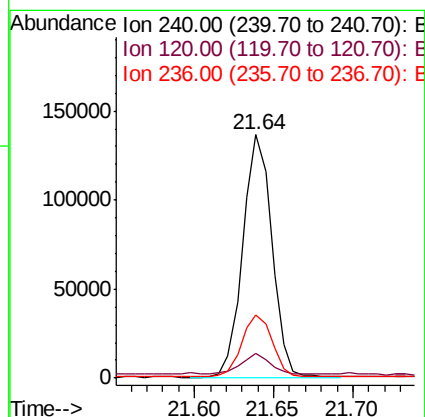
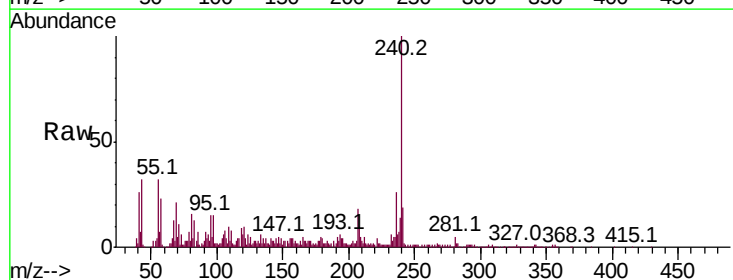
Instrument :
BNA_M
ClientSampled :

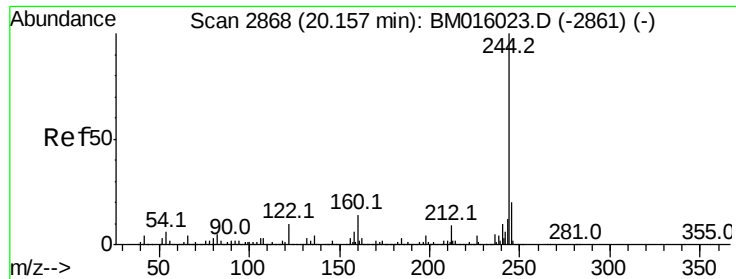
Tot Ion:178 Resp: 78379
Ion Ratio Lower Upper
178 100
176 25.4 15.2 22.8#
179 47.9 12.1 18.1#



#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.64 min Scan# 3120
Delta R.T. 0.00 min
Lab File: BM016264.D
Acq: 09 Aug 2018 01:38

Tgt Ion:240 Resp: 172927
Ion Ratio Lower Upper
240 100
120 10.1 8.2 12.2
236 26.2 20.0 30.0





#78

Terphenyl-d14

Concen: Below na

RT: 20.09 min Scan# 2857

Delta R.T. 0.01 min

Lab File: BM016264.D

Acq: 09 Aug 2018 01:38

Instrument :

BNA_M

ClientSampleId :

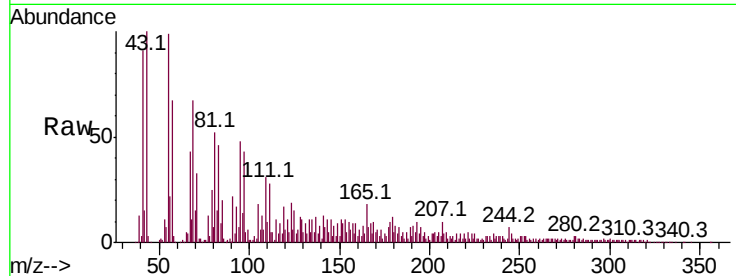
Tot Ion:244 Resp: 14941

Ion Ratio Lower Upper

244 100

212 22.3 4.9 7.3#

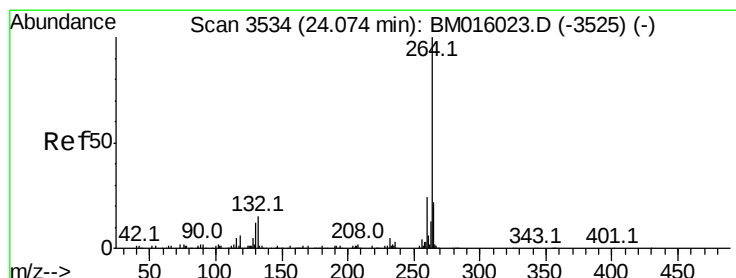
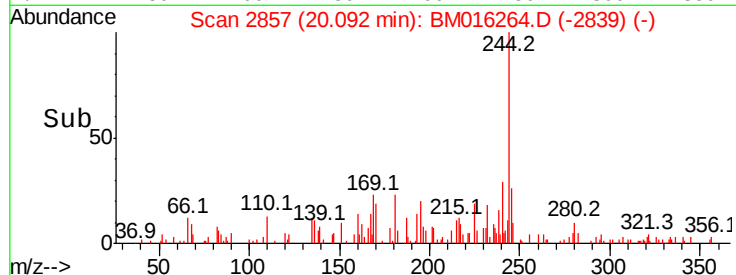
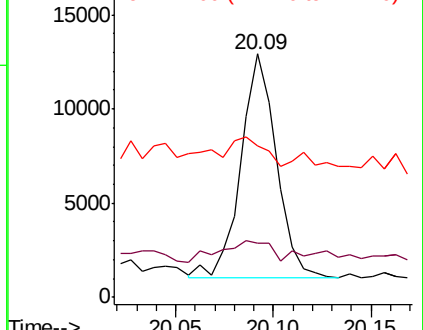
122 62.2 6.2 9.4#



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.97 min Scan# 3517

Delta R.T. 0.00 min

Lab File: BM016264.D

Acq: 09 Aug 2018 01:38

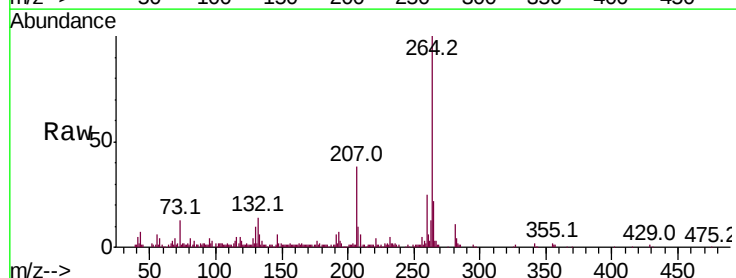
Tgt Ion:264 Resp: 175365

Ion Ratio Lower Upper

264 100

260 24.9 18.6 27.8

265 21.9 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

