

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081718\
 Data File : BM016475.D
 Acq On : 18 Aug 2018 15:55
 Operator : SJ/JU
 Sample : J4521-30
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CHRT-27245

Quant Time: Aug 20 02:04:24 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM081718.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 17 16:27:00 2018
 Response via : Initial Calibration

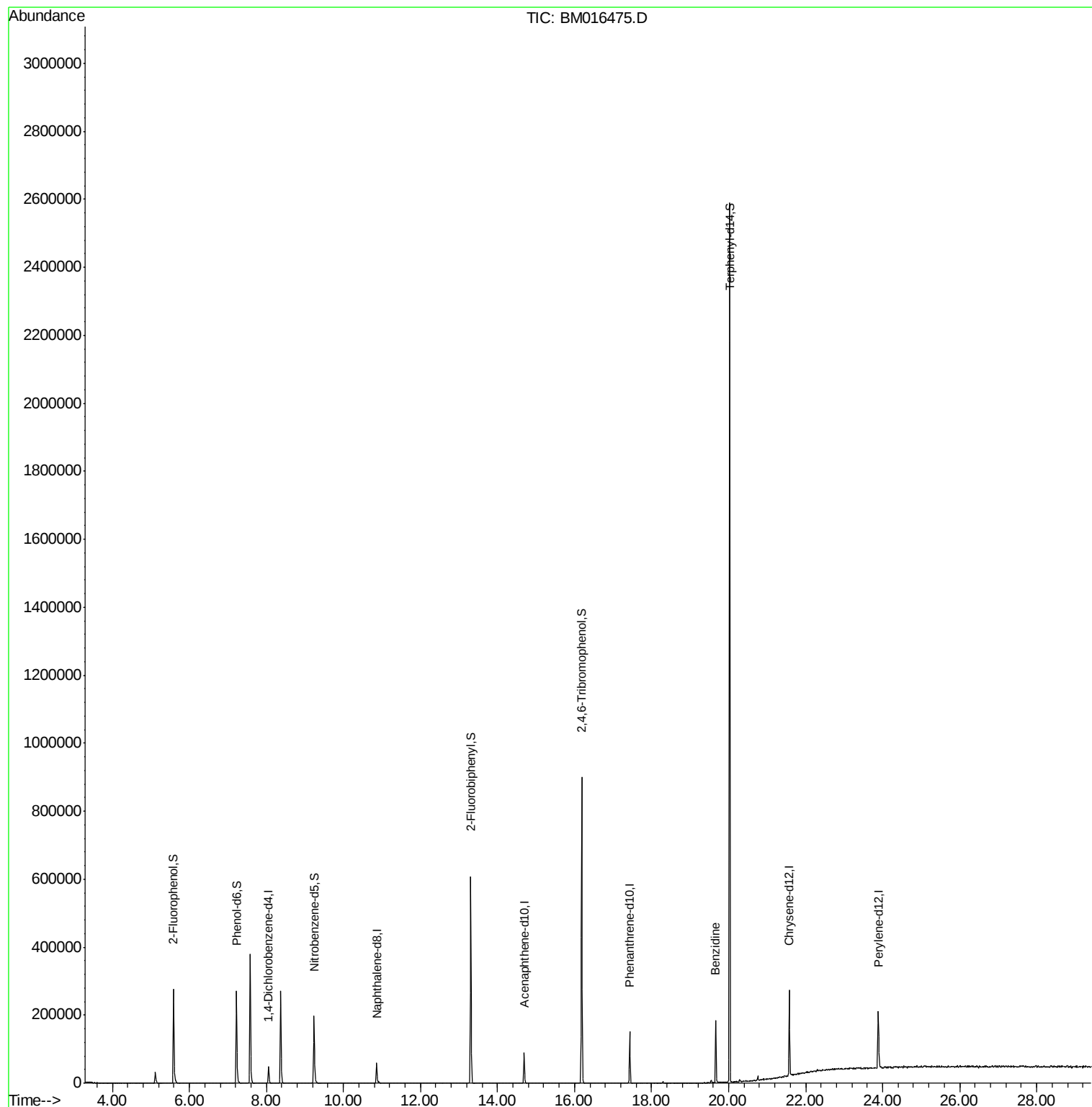
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	8820	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	33989	20.00	ng	0.00
38) Acenaphthene-d10	14.69	164	22697	20.00	ng	-0.01
63) Phenanthrene-d10	17.43	188	62322	20.00	ng	-0.01
75) Chrysene-d12	21.57	240	95494	20.00	ng	-0.01
86) Perylene-d12	23.88	264	108413	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	78228	149.05	ng	0.00
7) Phenol-d6	7.22	99	85686	121.47	ng	-0.01
23) Nitrobenzene-d5	9.24	82	90284	110.63	ng	0.00
41) 2,4,6-Tribromophenol	16.19	330	74891	218.46	ng	-0.01
44) 2-Fluorobiphenyl	13.31	172	192900	88.38	ng	-0.01
78) Terphenyl-d14	20.03	244	709355	112.27	ng	0.00
Target Compounds						
76) Benzidine	19.67	184	71144	33.850	ng	Qvalue 98

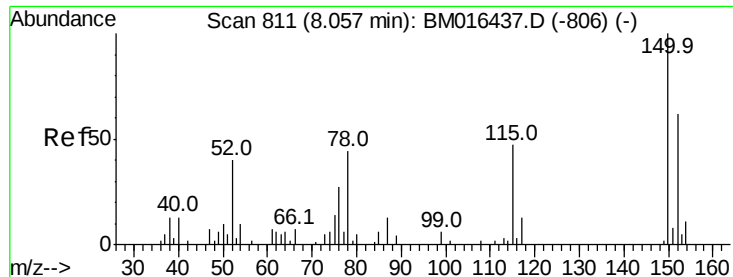
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.05 min Scan# 810

Delta R.T. -0.01 min

Lab File: BM016475.D

Acq: 18 Aug 2018 15:55

Instrument :

BNA_M

ClientSampleId :

CHRT-27245

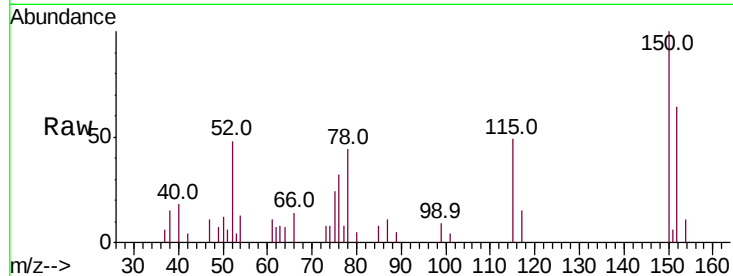
Tot Ion:152 Resp: 8820

Ion Ratio Lower Upper

152 100

150 156.1 119.5 179.3

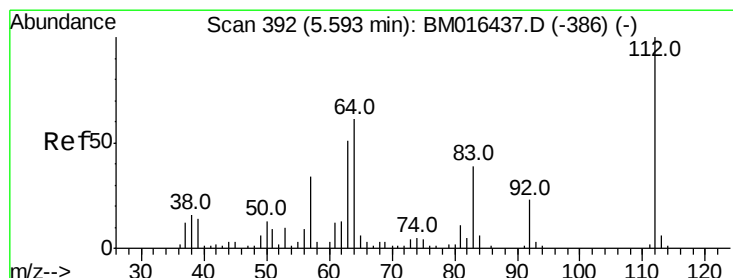
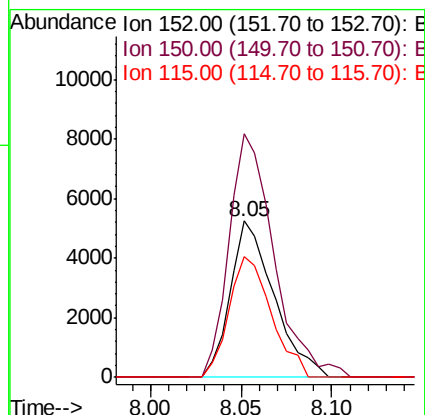
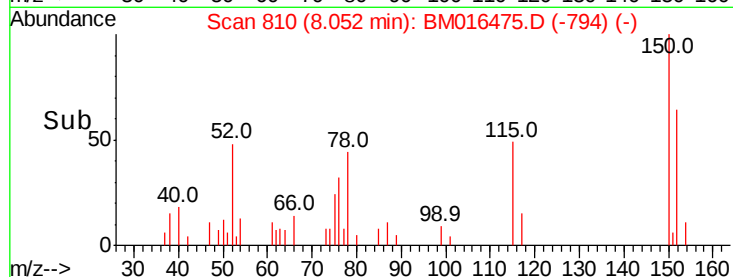
115 77.1 43.0 64.4#



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: 5.59 min Scan# 391

Delta R.T. -0.00 min

Lab File: BM016475.D

Acq: 18 Aug 2018 15:55

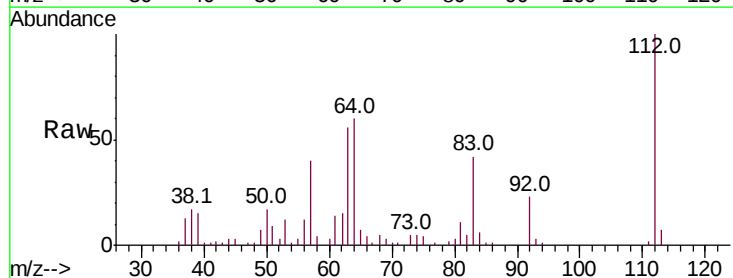
Tgt Ion:112 Resp: 78228

Ion Ratio Lower Upper

112 100

64 60.0 38.6 57.8#

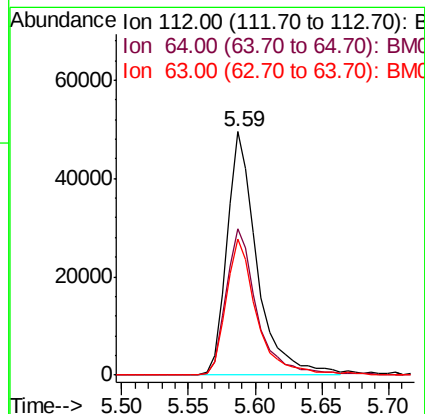
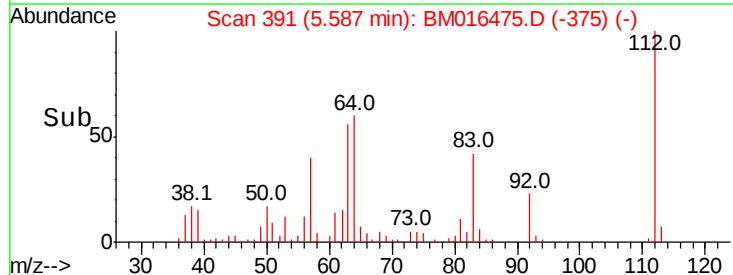
63 55.8 19.3 28.9#

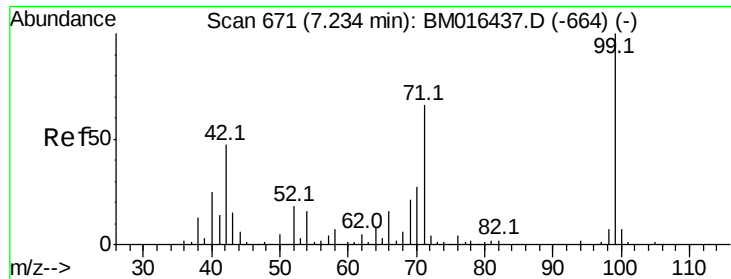


Abundance Ion 112.00 (111.70 to 112.70): E

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: 7.22 min Scan# 669

Delta R.T. -0.01 min

Lab File: BM016475.D

Acq: 18 Aug 2018 15:55

Instrument :

BNA_M

ClientSampleId :

CHRT-27245

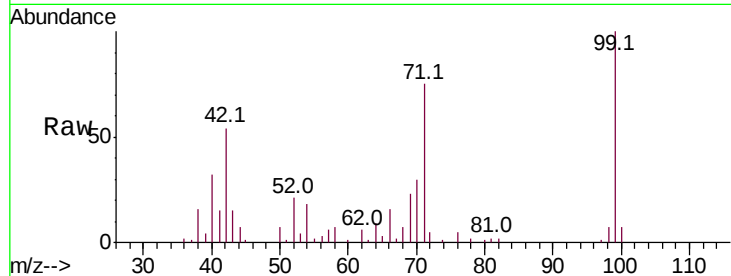
Tot Ion: 99 Resp: 85686

Ion Ratio Lower Upper

99 100

42 54.2 11.0 16.4#

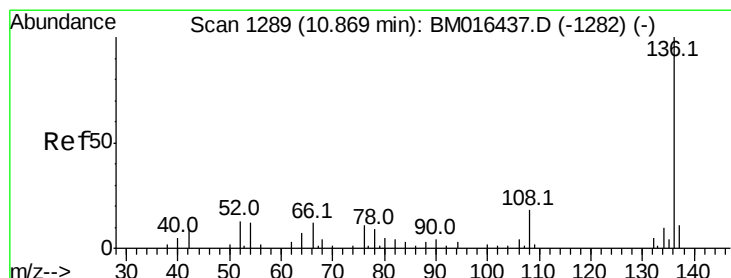
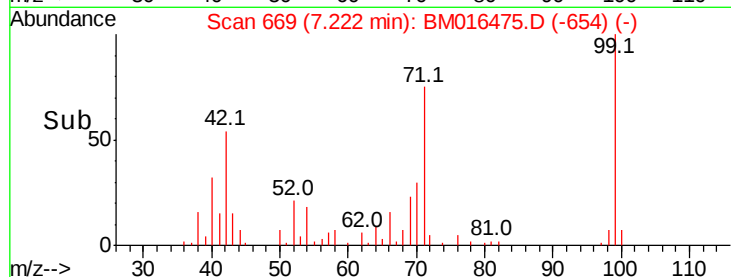
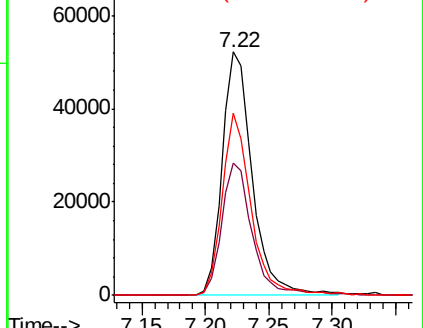
71 74.9 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM016475.D (-654) (-)

Ion 42.00 (41.70 to 42.70): BM016475.D (-654) (-)

Ion 71.00 (70.70 to 71.70): BM016475.D (-654) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.86 min Scan# 1288

Delta R.T. -0.01 min

Lab File: BM016475.D

Acq: 18 Aug 2018 15:55

Tgt Ion: 136 Resp: 33989

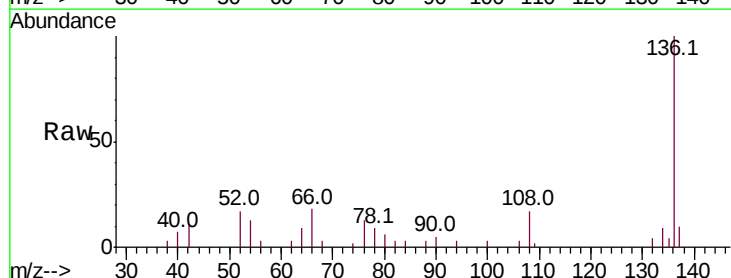
Ion Ratio Lower Upper

136 100

137 10.0 8.7 13.1

54 13.0 4.6 6.8#

68 3.2 3.7 5.5#

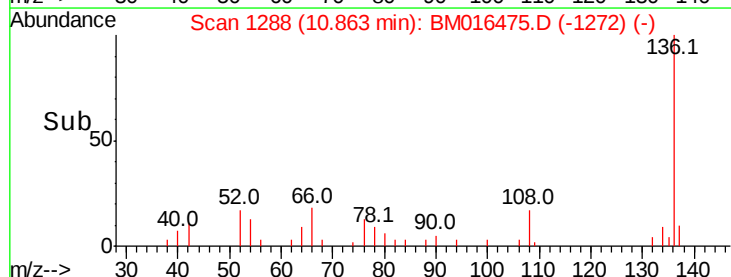
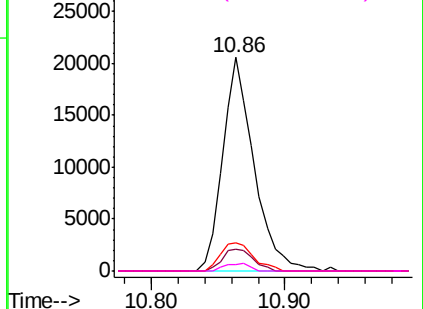


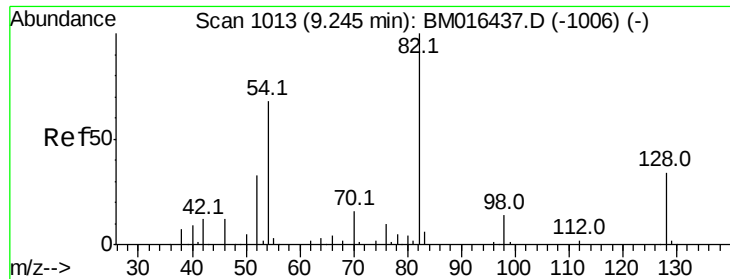
Abundance Ion 136.00 (135.70 to 136.70): BM016475.D (-1272) (-)

Ion 137.00 (136.70 to 137.70): BM016475.D (-1272) (-)

Ion 54.00 (53.70 to 54.70): BM016475.D (-1272) (-)

Ion 68.00 (67.70 to 68.70): BM016475.D (-1272) (-)

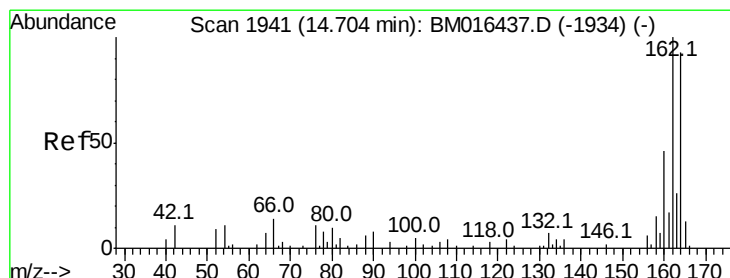
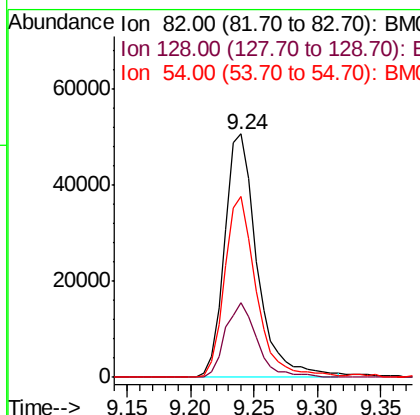
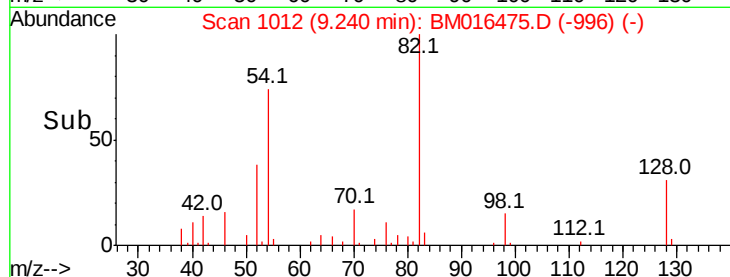
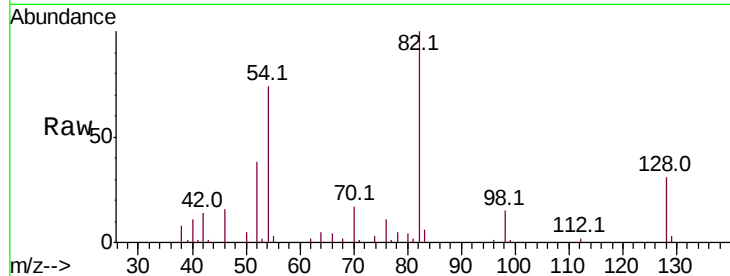




#23
 Nitrobenzene-d5
 Concen: N.D. ng
 RT: 9.24 min Scan# 1012
 Delta R.T. -0.01 min
 Lab File: BM016475.D
 Acq: 18 Aug 2018 15:55

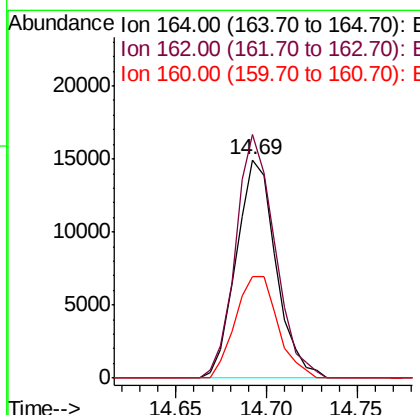
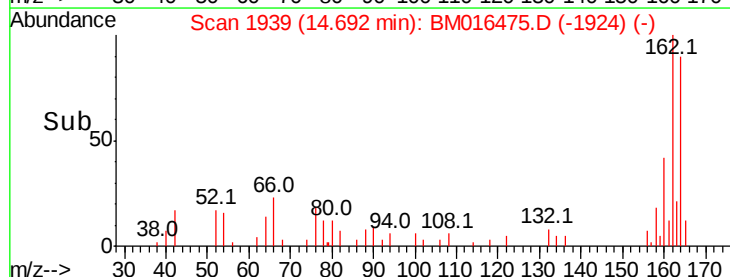
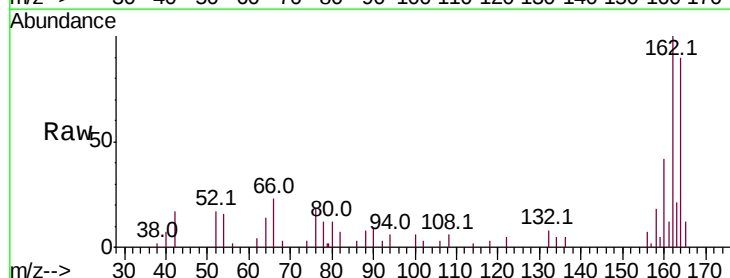
Instrument :
 BNA_M
 ClientSampleId :
 CHRT-27245

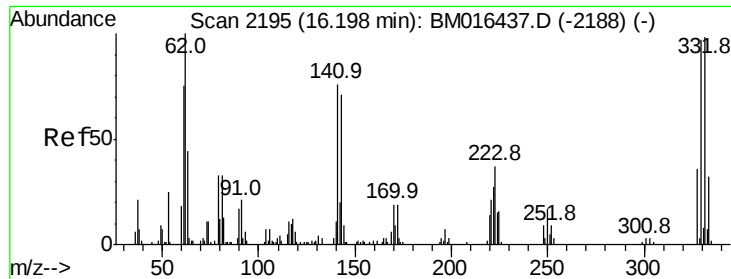
Tot Ion	Ratio	Lower	Upper
82	100		
128	30.9	32.8	49.2#
54	74.2	40.6	60.8#



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.69 min Scan# 1939
 Delta R.T. -0.01 min
 Lab File: BM016475.D
 Acq: 18 Aug 2018 15:55

Tgt Ion	Ratio	Lower	Upper
164	100		
162	111.7	82.4	123.6
160	46.5	35.8	53.6

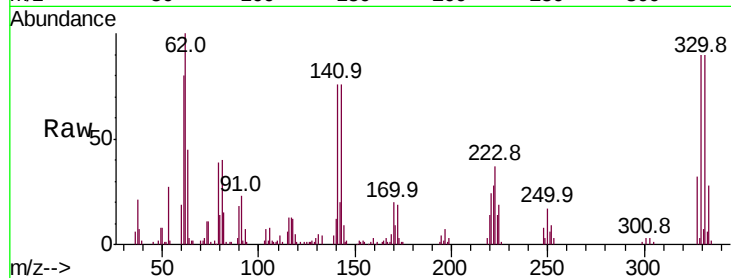




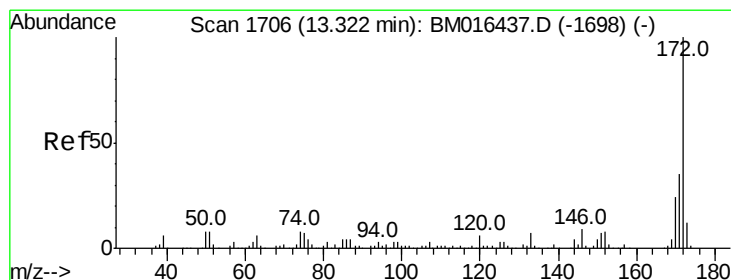
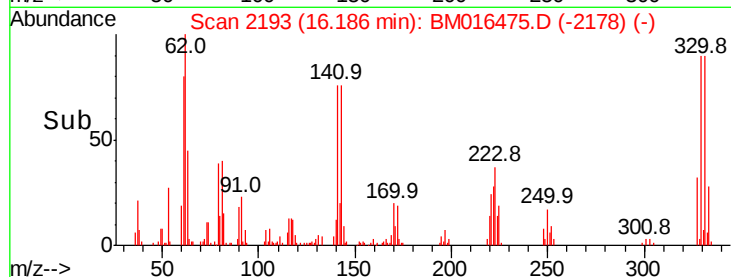
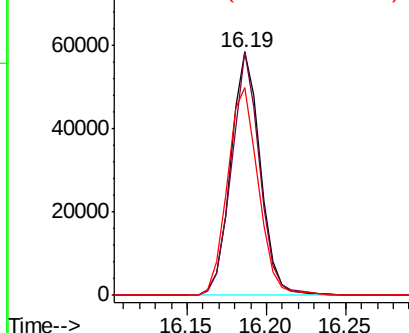
#41
 2,4,6-Tribromophenol
 Concen: N.D. ng
 RT: 16.19 min Scan# 2193
 Delta R.T. -0.01 min
 Lab File: BM016475.D
 Acq: 18 Aug 2018 15:55

Instrument :
 BNA_M
 ClientSampleId :
 CHRT-27245

Tot Ion:330 Resp: 74891
 Ion Ratio Lower Upper
 330 100
 332 96.0 0.0 0.0#
 141 89.5 0.0 0.0#

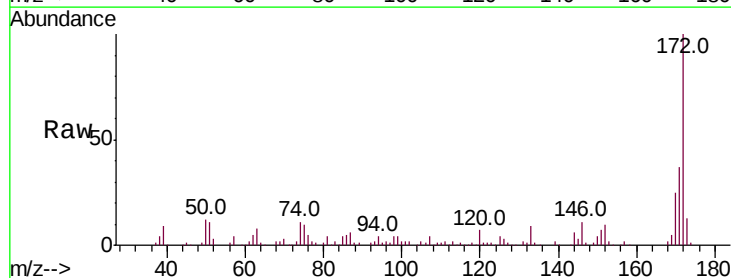


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

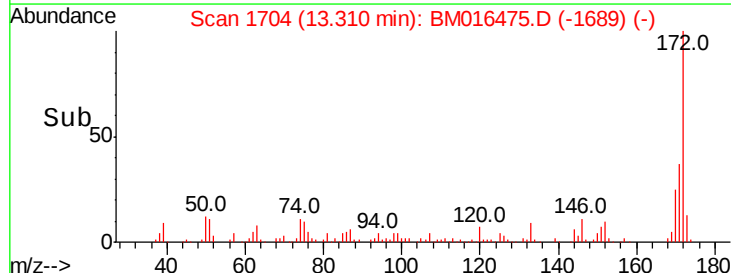
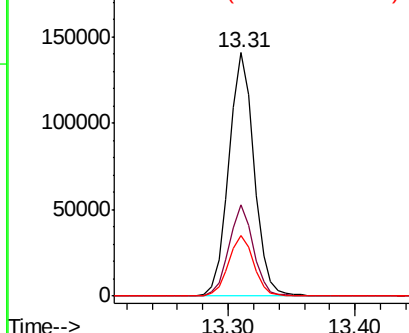


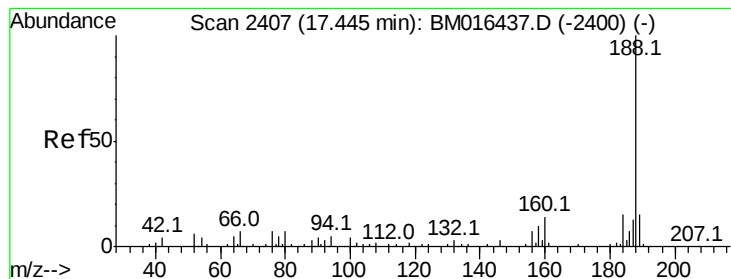
#44
 2-Fluorobiphenyl
 Concen: N.D. ng
 RT: 13.31 min Scan# 1704
 Delta R.T. -0.01 min
 Lab File: BM016475.D
 Acq: 18 Aug 2018 15:55

Tgt Ion:172 Resp: 192900
 Ion Ratio Lower Upper
 172 100
 171 37.3 28.5 42.7
 170 24.8 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





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.43 min Scan# 2405

Delta R.T. -0.01 min

Lab File: BM016475.D

Acq: 18 Aug 2018 15:55

Instrument :

BNA_M

ClientSampleId :

CHRT-27245

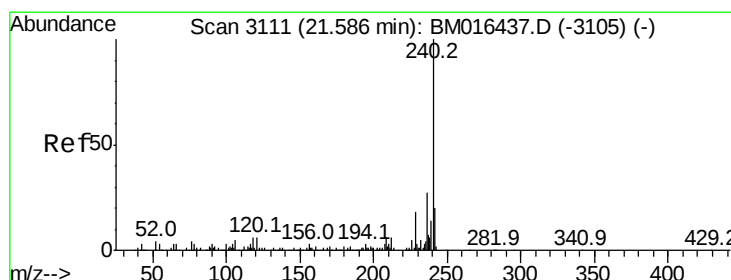
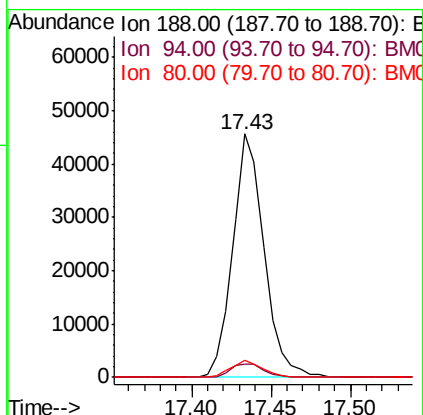
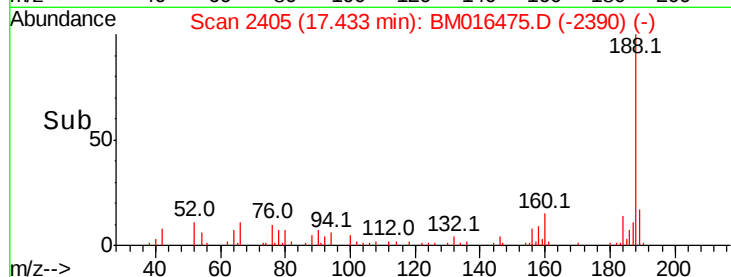
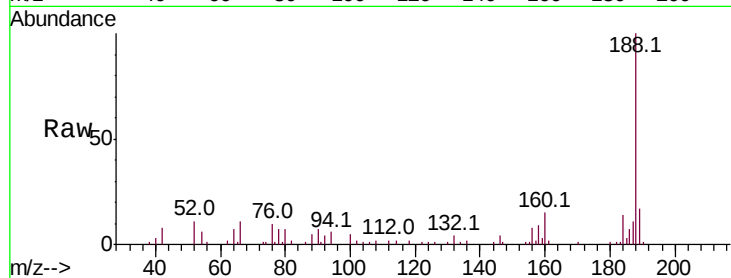
Tot Ion:188 Resp: 62322

Ion Ratio Lower Upper

188 100

94 5.5 8.7 13.1#

80 7.1 9.3 13.9#



#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.57 min Scan# 3109

Delta R.T. -0.01 min

Lab File: BM016475.D

Acq: 18 Aug 2018 15:55

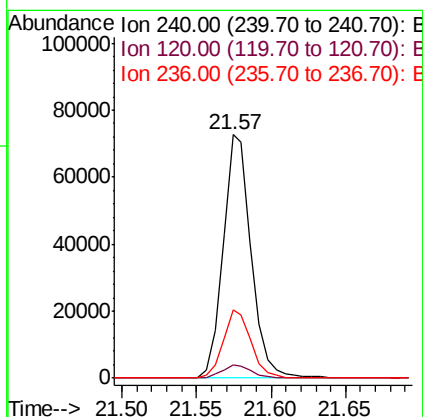
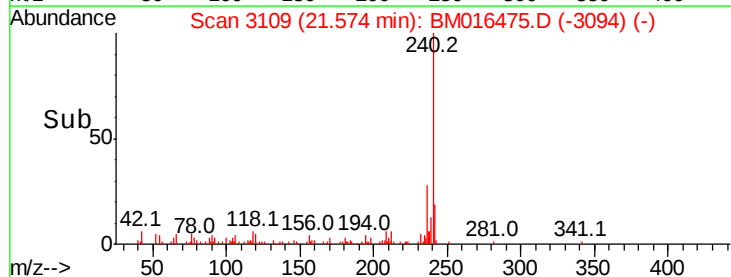
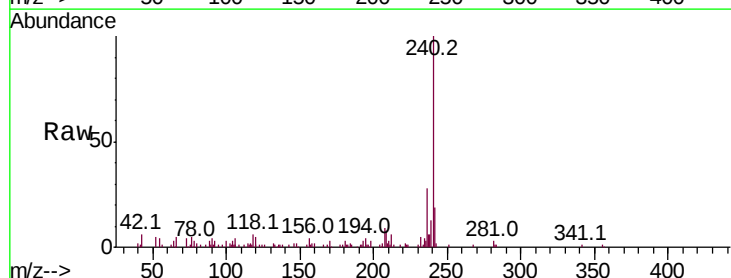
Tgt Ion:240 Resp: 95494

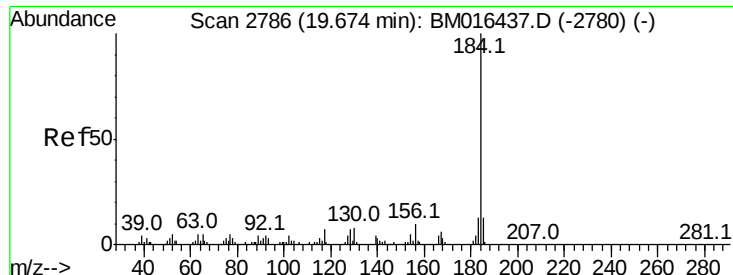
Ion Ratio Lower Upper

240 100

120 5.3 8.2 12.2#

236 28.3 20.0 30.0





#76

Benzidine

Concen: 33.850 ng

RT: 19.67 min Scan# 2785

Delta R.T. -0.01 min

Lab File: BM016475.D

Acq: 18 Aug 2018 15:55

Instrument :

BNA_M

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CHRT-27245

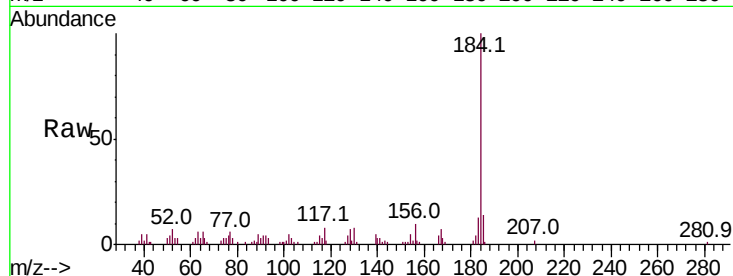
Tot Ion:184 Resp: 71144

Ion Ratio Lower Upper

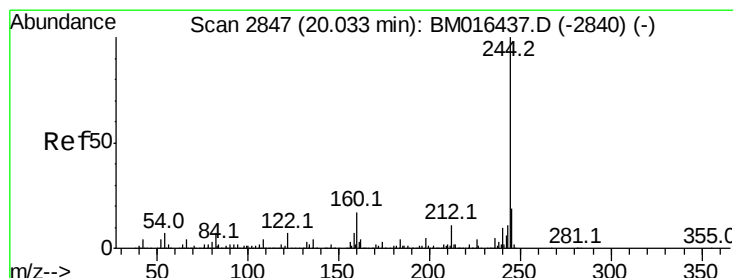
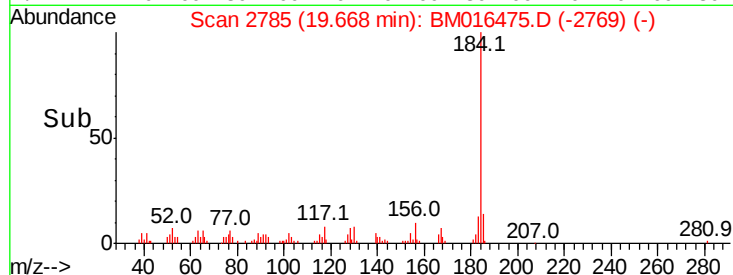
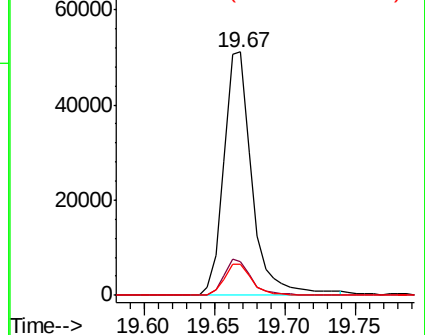
184 100

185 13.7 11.3 16.9

183 12.7 8.9 13.3



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#78

Terphenyl-d14

Concen: N.D. ng

RT: 20.03 min Scan# 2846

Delta R.T. -0.00 min

Lab File: BM016475.D

Acq: 18 Aug 2018 15:55

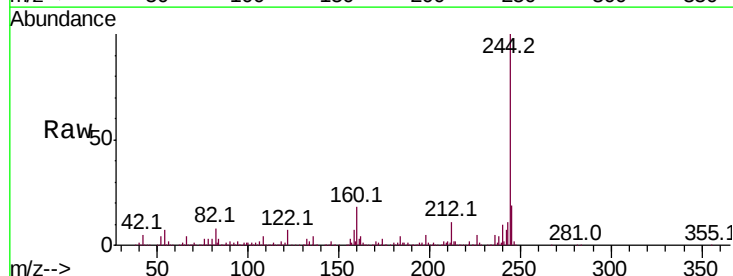
Tgt Ion:244 Resp: 709355

Ion Ratio Lower Upper

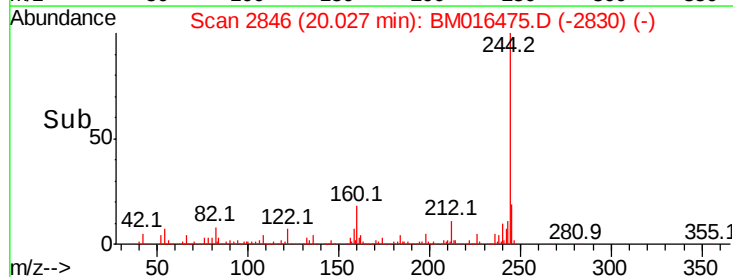
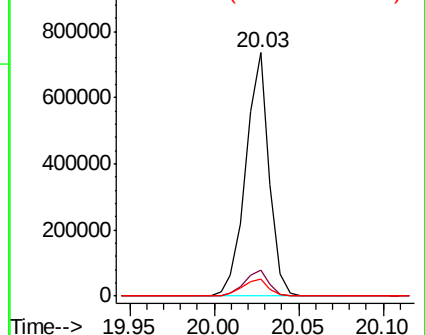
244 100

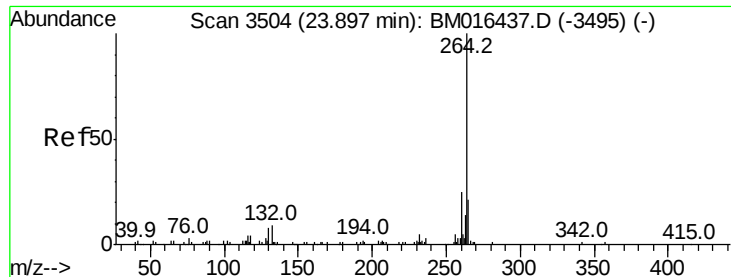
212 10.9 4.9 7.3#

122 6.8 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

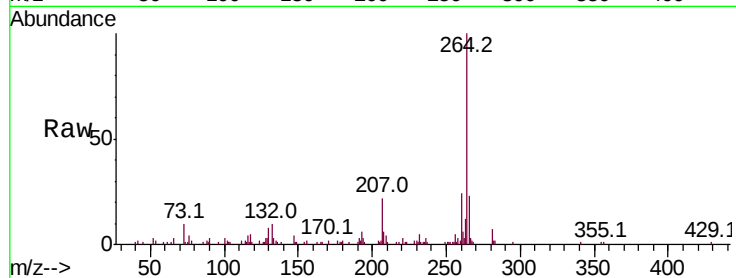




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 23.88 min Scan# 3501
 Delta R.T. -0.02 min
 Lab File: BM016475.D
 Acq: 18 Aug 2018 15:55

Instrument :
 BNA_M
 ClientSampleId :
 CHRT-27245

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.6	27.8
265	23.5	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

