

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM060119\
 Data File : BM020659.D
 Acq On : 01 Jun 2019 20:21
 Operator : HP/JU
 Sample : K3117-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 IRONBOUND-BRICK

Quant Time: Jun 03 00:58:19 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM053119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 31 15:48:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	106670	20.00	ng	0.00
21) Naphthalene-d8	10.62	136	417286	20.00	ng	0.00
39) Acenaphthene-d10	14.46	164	220268	20.00	ng	-0.01
64) Phenanthrene-d10	17.21	188	455345	20.00	ng	0.00
76) Chrysene-d12	21.39	240	416016	20.00	ng	-0.01
87) Perylene-d12	23.68	264	453700	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.41	112	562580	92.77	ng	0.00
7) Phenol-d6	6.99	99	764580	85.63	ng	0.00
23) Nitrobenzene-d5	8.99	82	469248	58.26	ng	-0.01
42) 2,4,6-Tribromophenol	15.95	330	245933	90.11	ng	-0.01
45) 2-Fluorobiphenyl	13.09	172	965963	58.30	ng	0.00
79) Terphenyl-d14	19.83	244	1302835	52.38	ng	-0.01

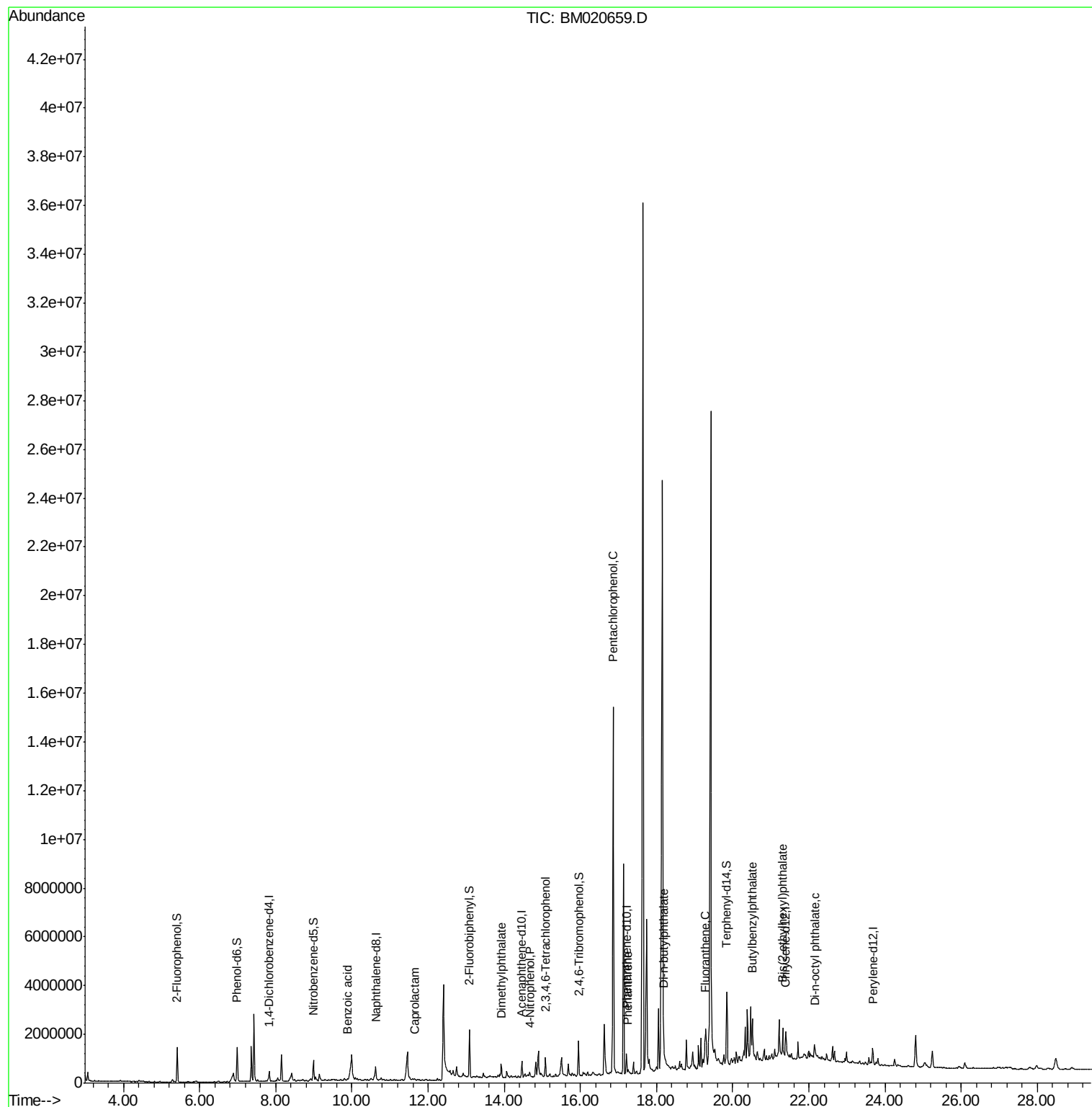
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.98	77	5246	Below Cal		# 69
32) Benzoic acid	9.89	122	9810	7.558	ng	88
35) Caprolactam	11.64	113	7134	3.232	ng	# 30
50) Dimethylphthalate	13.92	163	323820	17.207	ng	100
56) 4-Nitrophenol	14.67	139	38125	12.130	ng	93
59) 2,3,4,6-Tetrachlorophenol	15.09	232	141646	33.888	ng	# 98
70) Pentachlorophenol	16.86	266	2670583	894.194	ng	99
71) Phenanthrene	17.25	178	93571	3.625	ng	97
74) Di-n-butylphthalate	18.19	149	242339	7.963	ng	# 68
75) Fluoranthene	19.27	202	92464	3.221	ng	87
80) Butylbenzylphthalate	20.52	149	444788	32.968	ng	# 29
84) Bis(2-ethylhexyl)phthalate	21.31	149	421058	21.474	ng	98
85) Di-n-octyl phthalate	22.17	149	91528	2.940	ng	# 76

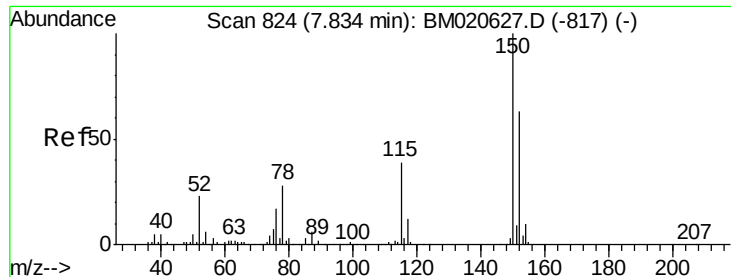
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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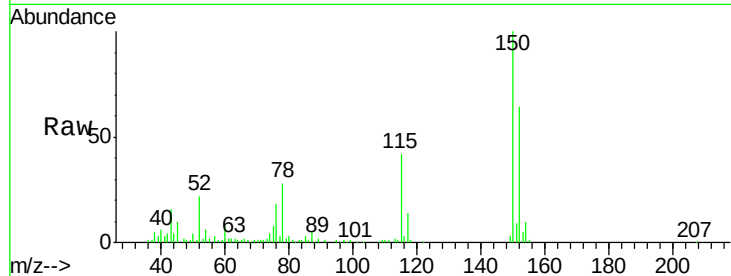


#1

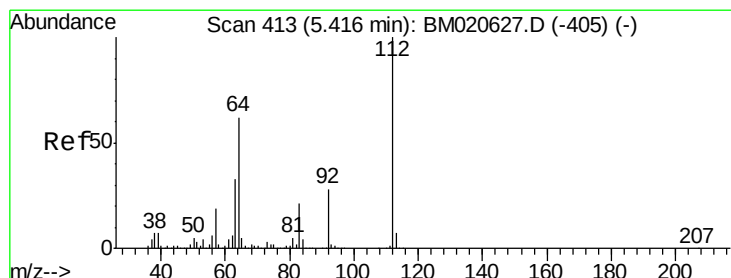
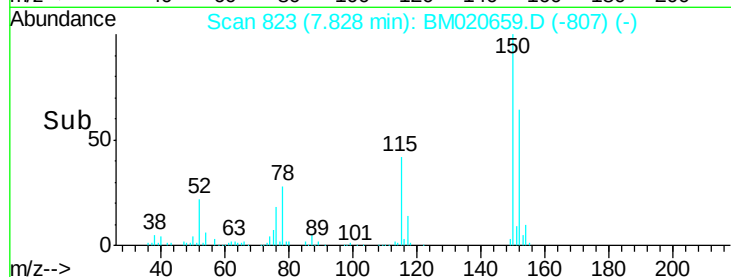
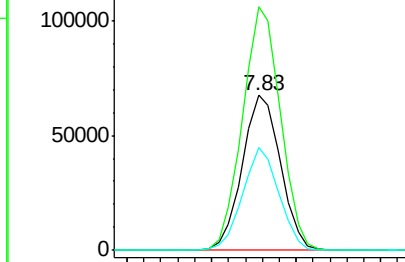
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.83 min Scan# 823
Delta R.T. -0.01 min
Lab File: BM020659.D
Acq: 01 Jun 2019 20:21

Instrument :
BNA_M
ClientSampleId :
IRONBOUND-BRICK

Tgt Ion:152 Resp: 106670
Ion Ratio Lower Upper
152 100
150 157.4 126.0 189.0
115 66.5 49.6 74.4



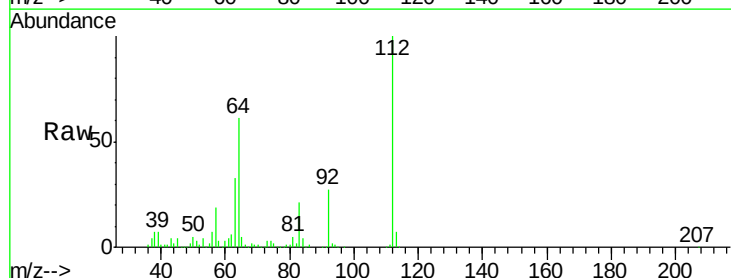
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



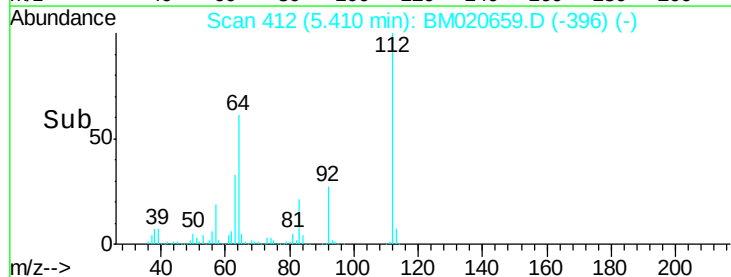
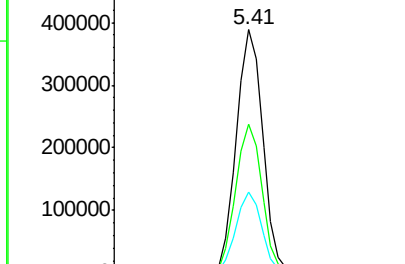
#5

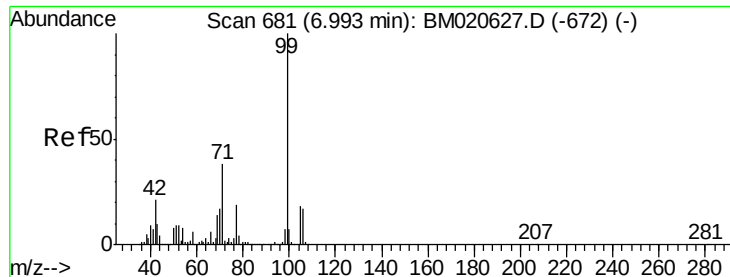
2-Fluorophenol
Concen: 92.774 ng
RT: 5.41 min Scan# 412
Delta R.T. -0.01 min
Lab File: BM020659.D
Acq: 01 Jun 2019 20:21

Tgt Ion:112 Resp: 562580
Ion Ratio Lower Upper
112 100
64 61.4 49.7 74.5
63 33.3 26.4 39.6



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: 85.628 ng

RT: 6.99 min Scan# 680

Delta R.T. -0.01 min

Lab File: BM020659.D

Acq: 01 Jun 2019 20:21

Instrument :

BNA_M

ClientSampleId :

IRONBOUND-BRICK

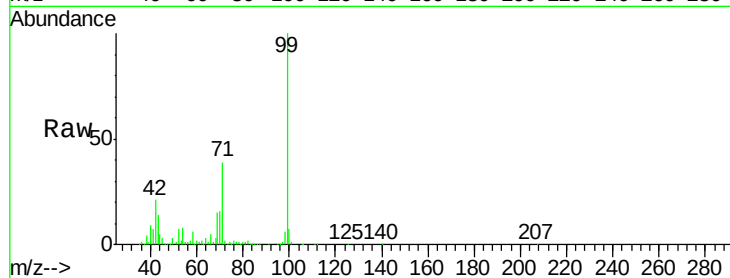
Tgt Ion: 99 Resp: 764580

Ion Ratio Lower Upper

99 100

42 20.7 16.5 24.7

71 38.7 30.7 46.1



Abundance Ion 99.00 (98.70 to 99.70): BM020627.D (-672) (-)

Ion 42.00 (41.70 to 42.70): BM020627.D (-672) (-)

Ion 71.00 (70.70 to 71.70): BM020627.D (-672) (-)

6.99

500000

400000

300000

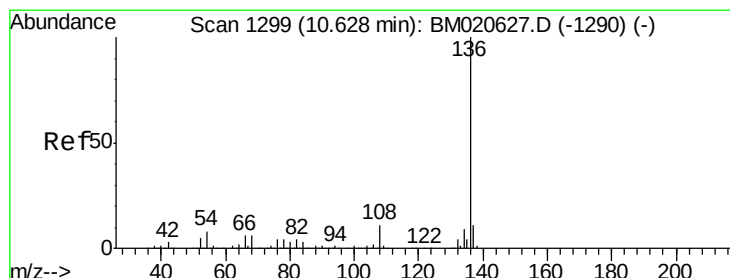
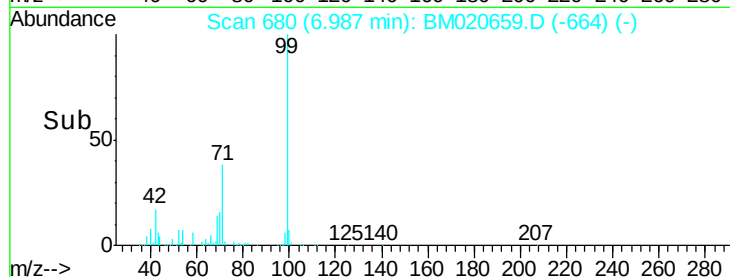
200000

100000

0

6.90 6.95 7.00 7.05 7.10

Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.62 min Scan# 1298

Delta R.T. -0.01 min

Lab File: BM020659.D

Acq: 01 Jun 2019 20:21

Tgt Ion: 136 Resp: 417286

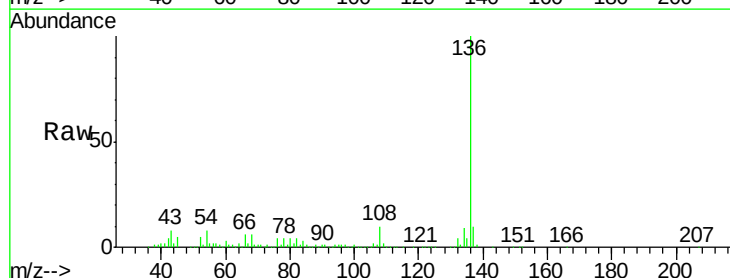
Ion Ratio Lower Upper

136 100

137 10.3 8.8 13.2

54 8.3 6.6 10.0

68 6.1 5.1 7.7



Abundance Ion 136.00 (135.70 to 136.70): BM020627.D (-1290) (-)

Ion 137.00 (136.70 to 137.70): BM020627.D (-1290) (-)

Ion 54.00 (53.70 to 54.70): BM020627.D (-1290) (-)

Ion 68.00 (67.70 to 68.70): BM020627.D (-1290) (-)

10.62

400000

300000

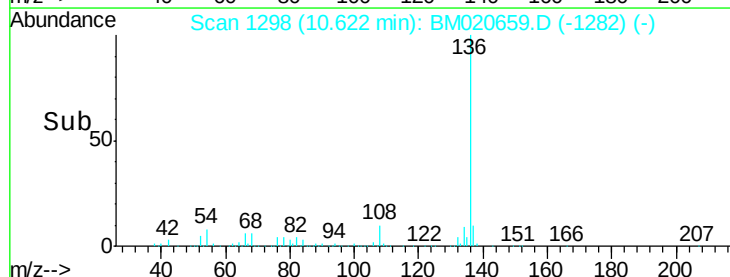
200000

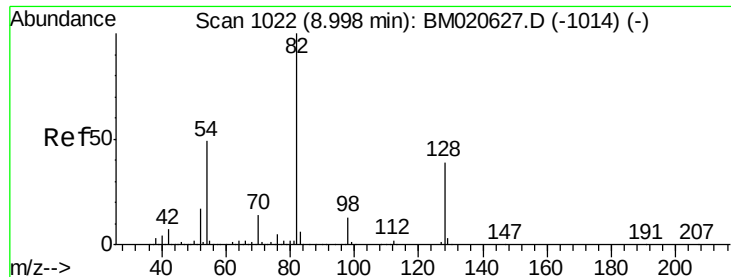
100000

0

10.55 10.60 10.65 10.70

Time-->

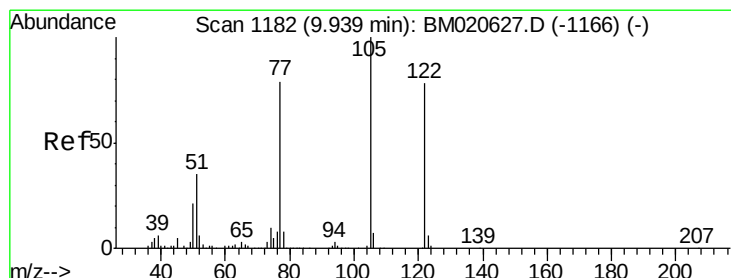
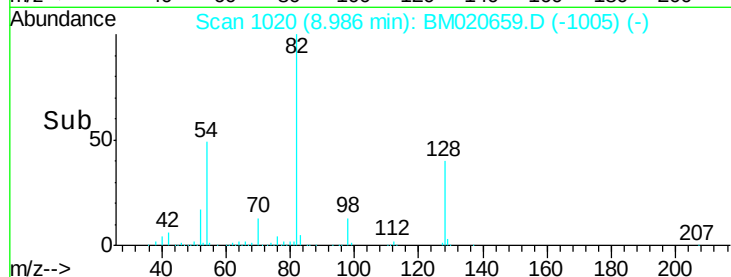
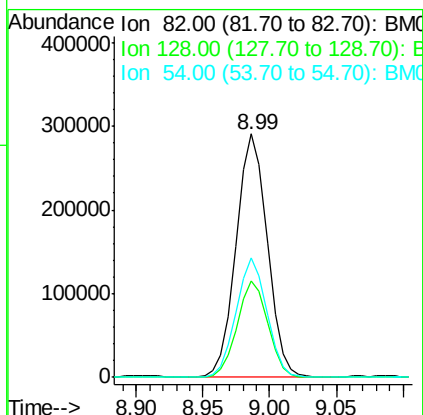
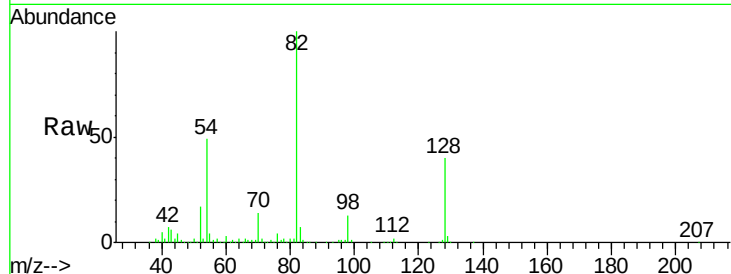




#23
 Nitrobenzene-d5
 Concen: 58.264 ng
 RT: 8.99 min Scan# 1020
 Delta R.T. -0.01 min
 Lab File: BM020659.D
 Acq: 01 Jun 2019 20:21

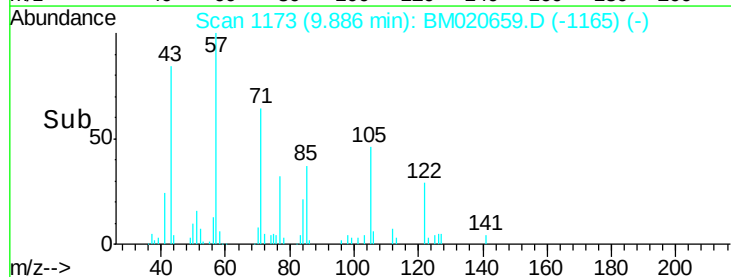
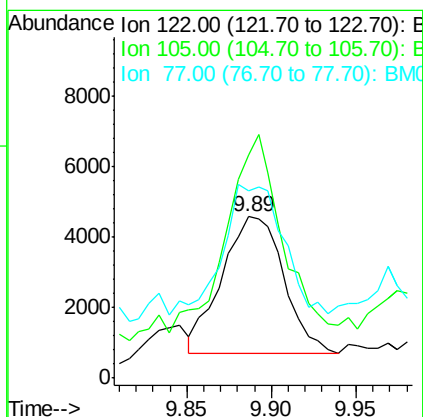
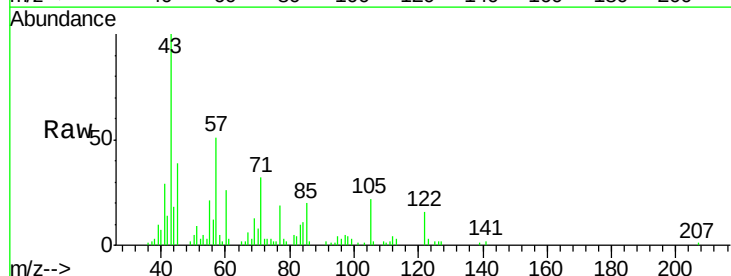
Instrument :
 BNA_M
 ClientSampleId :
 IRONBOUND-BRICK

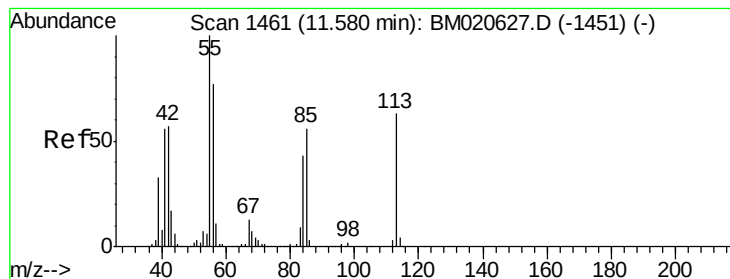
Tgt Ion	Ratio	Lower	Upper
82	100		
128	39.8	31.5	47.3
54	49.2	39.4	59.0



#32
 Benzoic acid
 Concen: 7.558 ng
 RT: 9.89 min Scan# 1173
 Delta R.T. -0.05 min
 Lab File: BM020659.D
 Acq: 01 Jun 2019 20:21

Tgt Ion	Ratio	Lower	Upper
122	100		
105	138.2	107.0	147.0
77	115.6	80.9	120.9





#35

Caprolactam

Concen: 3.232 ng

RT: 11.64 min Scan# 1471

Delta R.T. 0.06 min

Lab File: BM020659.D

Acq: 01 Jun 2019 20:21

Instrument :

BNA_M

ClientSampleId :

IRONBOUND-BRICK

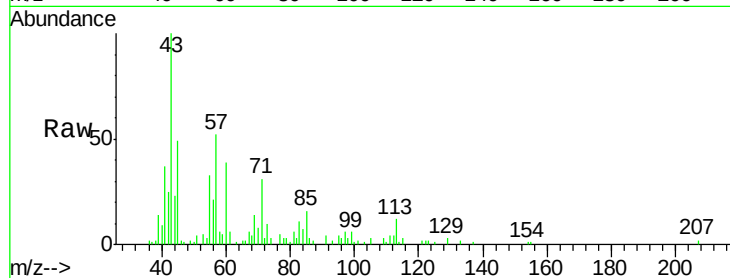
Tgt Ion:113 Resp: 7134

Ion Ratio Lower Upper

113 100

55 274.3 138.6 178.6#

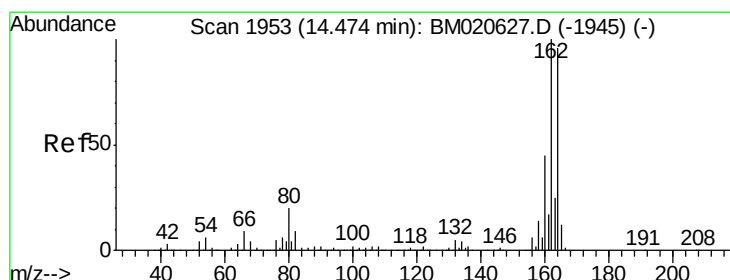
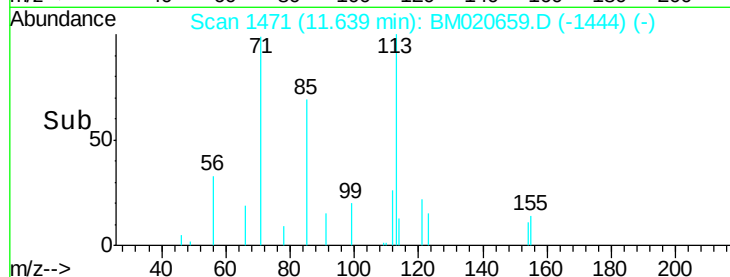
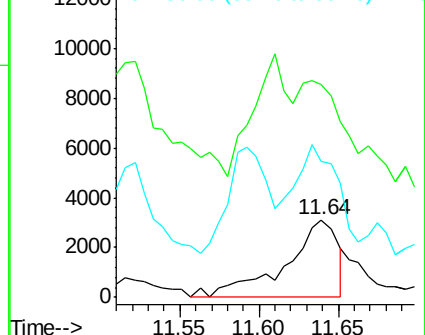
56 174.3 102.3 142.3#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BM0

Ion 56.00 (55.70 to 56.70): BM0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.46 min Scan# 1951

Delta R.T. -0.01 min

Lab File: BM020659.D

Acq: 01 Jun 2019 20:21

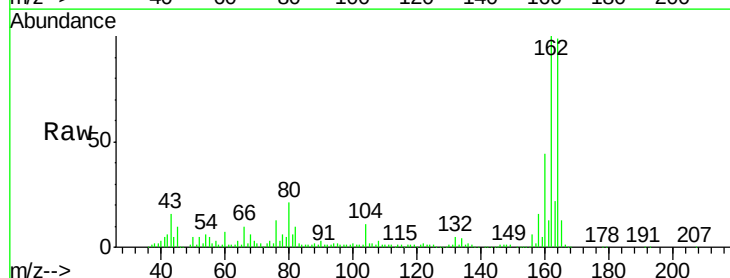
Tgt Ion:164 Resp: 220268

Ion Ratio Lower Upper

164 100

162 101.1 83.2 124.8

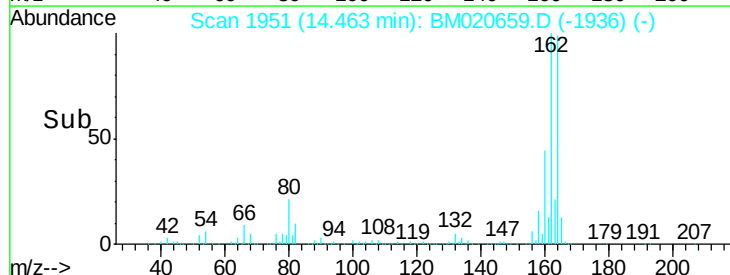
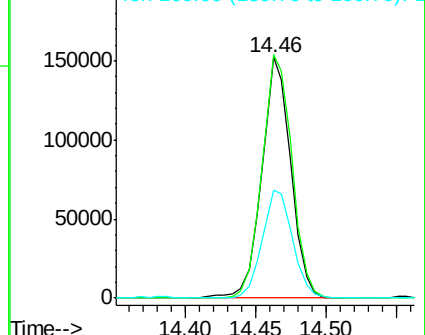
160 44.9 37.5 56.3

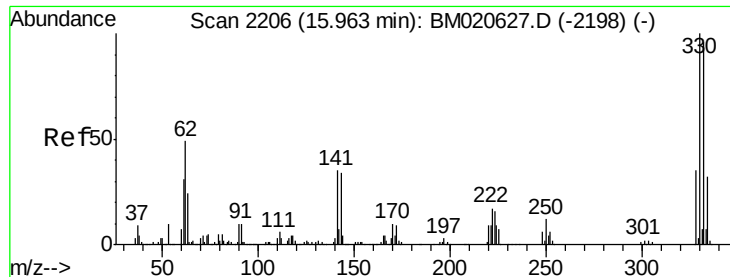


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 90.115 ng

RT: 15.95 min Scan# 2204

Delta R.T. -0.01 min

Lab File: BM020659.D

Acq: 01 Jun 2019 20:21

Instrument :

BNA_M

ClientSampleId :

IRONBOUND-BRICK

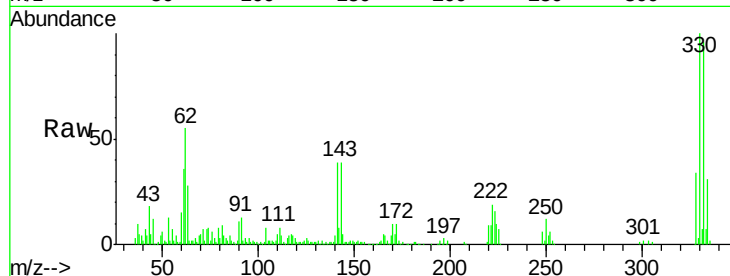
Tgt Ion:330 Resp: 245933

Ion Ratio Lower Upper

330 100

332 96.7 77.4 116.0

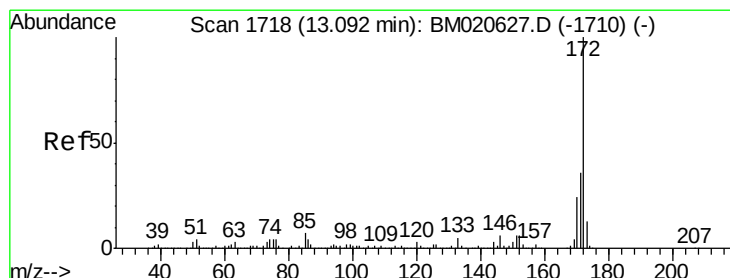
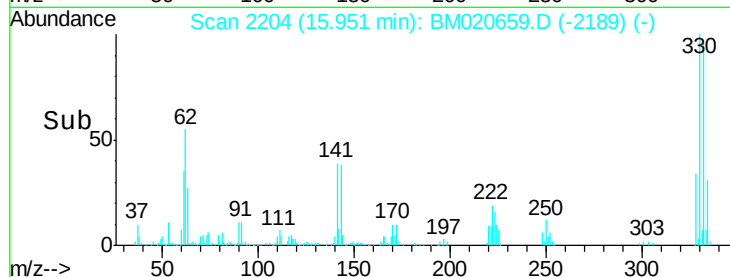
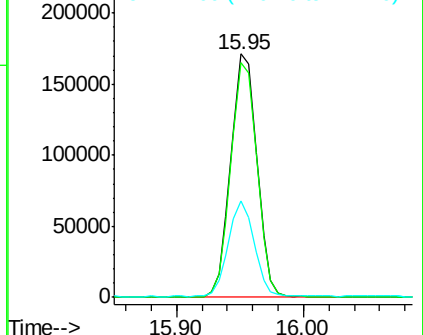
141 39.1 30.4 45.6



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



#45

2-Fluorobiphenyl

Concen: 58.302 ng

RT: 13.09 min Scan# 1717

Delta R.T. -0.01 min

Lab File: BM020659.D

Acq: 01 Jun 2019 20:21

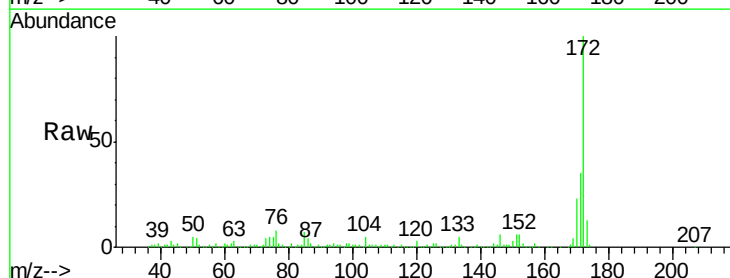
Tgt Ion:172 Resp: 965963

Ion Ratio Lower Upper

172 100

171 35.2 28.6 43.0

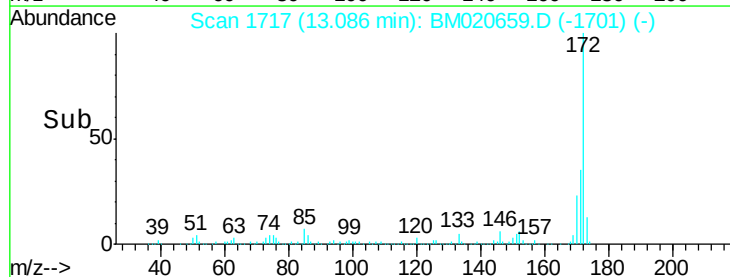
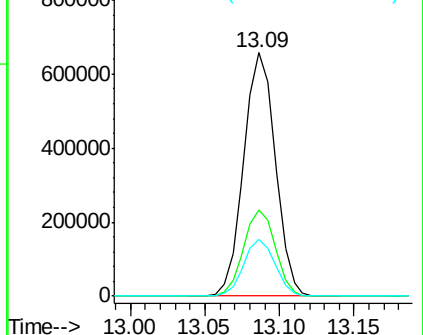
170 23.2 18.9 28.3

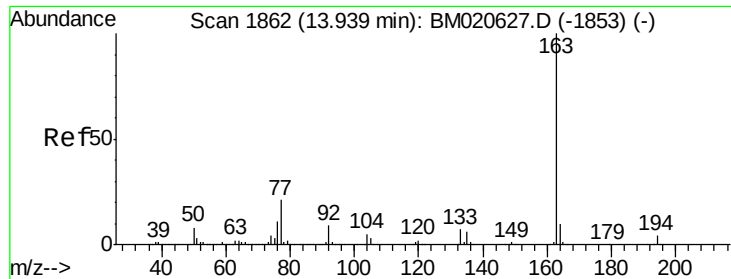


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 17.207 ng

RT: 13.92 min Scan# 1859

Delta R.T. -0.02 min

Lab File: BM020659.D

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Instrument :

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ClientSampleId :

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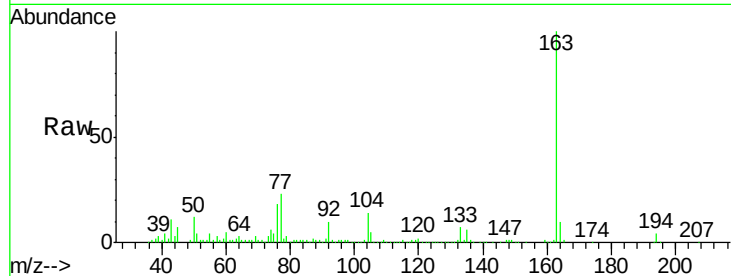
Tgt Ion:163 Resp: 323820

Ion Ratio Lower Upper

163 100

194 3.7 3.2 4.8

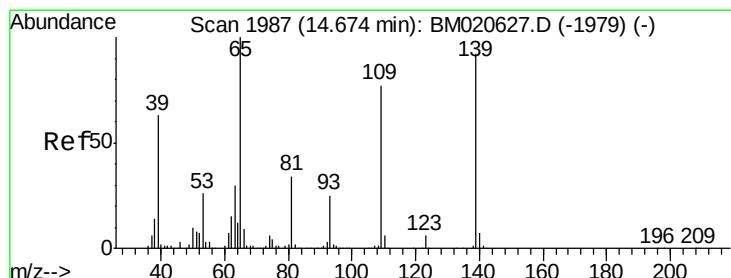
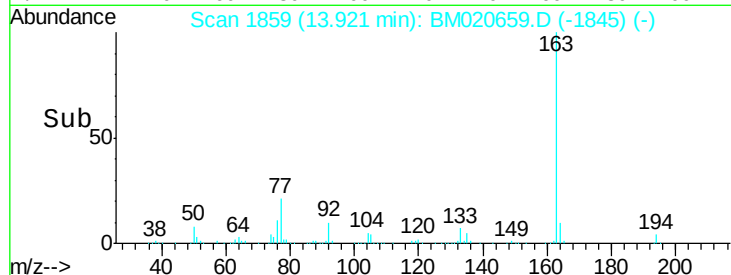
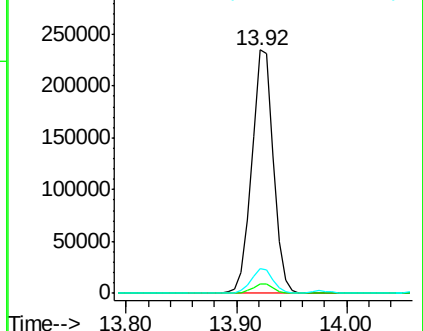
164 10.0 7.9 11.9



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



#56

4-Nitrophenol

Concen: 12.130 ng

RT: 14.67 min Scan# 1987

Delta R.T. -0.00 min

Lab File: BM020659.D

Acq: 01 Jun 2019 20:21

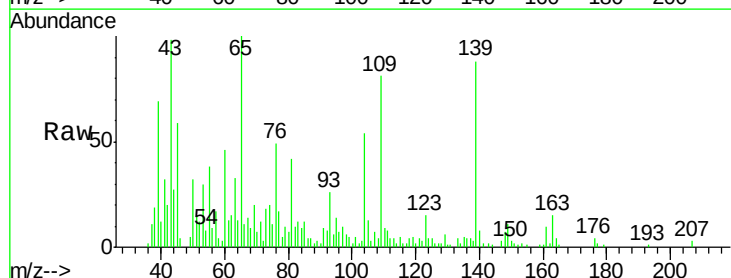
Tgt Ion:139 Resp: 38125

Ion Ratio Lower Upper

139 100

109 91.8 62.7 102.7

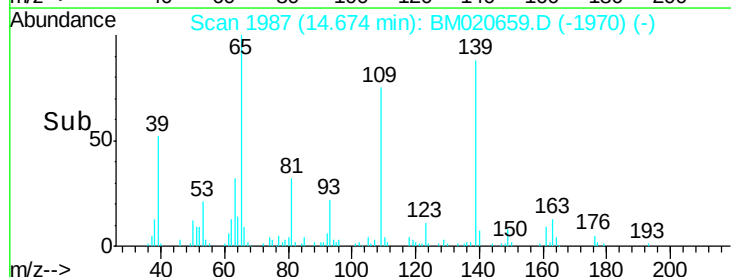
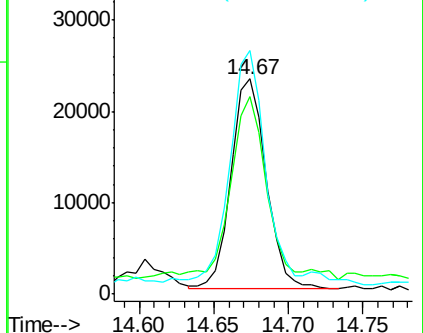
65 113.3 88.3 128.3

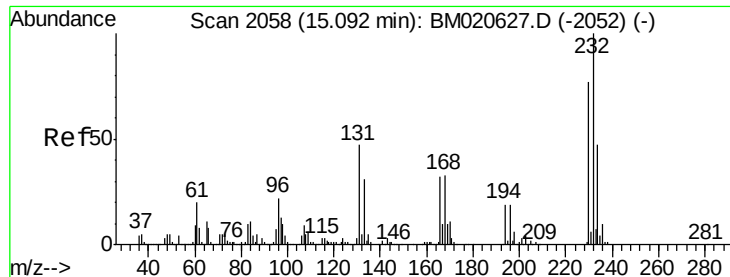


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BM

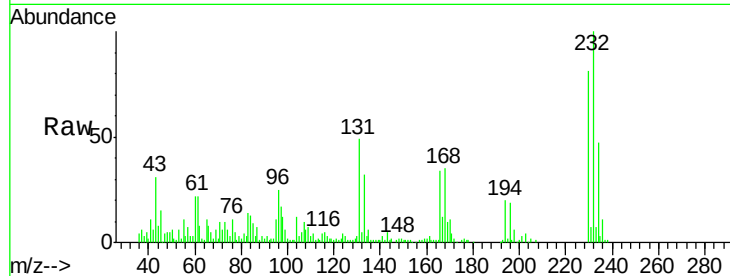




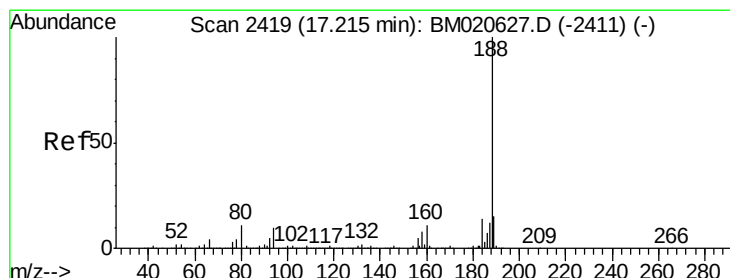
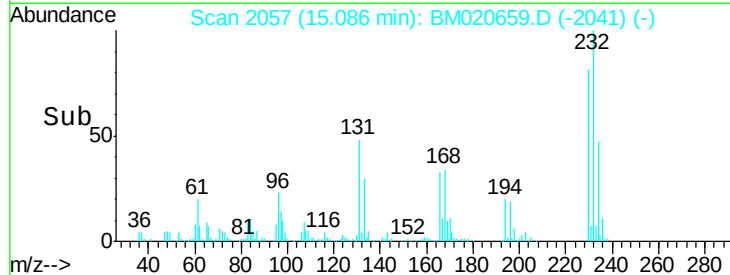
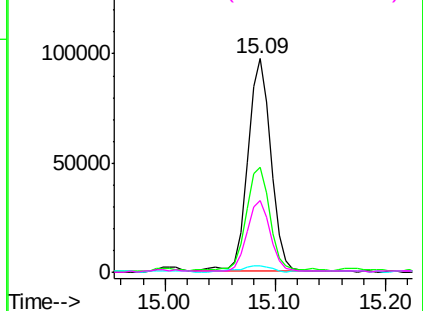
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 33.888 ng
 RT: 15.09 min Scan# 2057
 Delta R.T. -0.01 min
 Lab File: BM020659.D
 Acq: 01 Jun 2019 20:21

Instrument :
 BNA_M
 ClientSampleId :
 IRONBOUND-BRICK

Tgt Ion:	232	Resp:	141646
Ion	Ratio	Lower	Upper
232	100		
131	50.4	38.6	57.8
130	4.2	2.2	3.2#
166	33.8	26.6	39.8

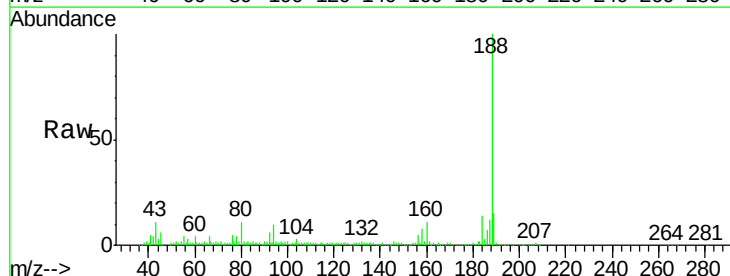


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

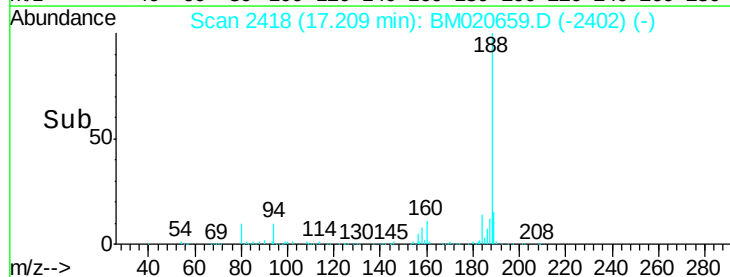
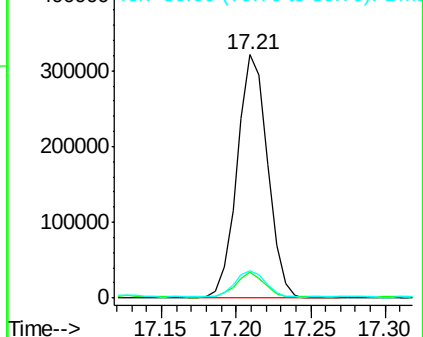


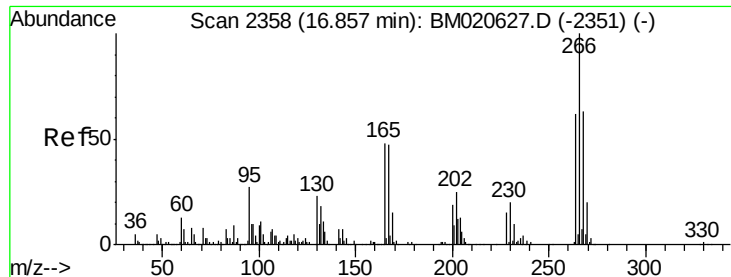
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.21 min Scan# 2418
 Delta R.T. -0.01 min
 Lab File: BM020659.D
 Acq: 01 Jun 2019 20:21

Tgt Ion:	188	Resp:	455345
Ion	Ratio	Lower	Upper
188	100		
94	10.5	7.8	11.8
80	11.0	9.0	13.6



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

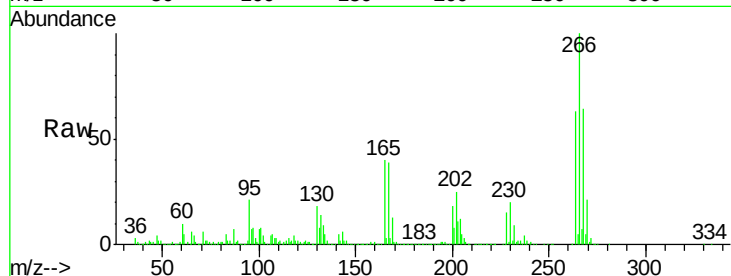




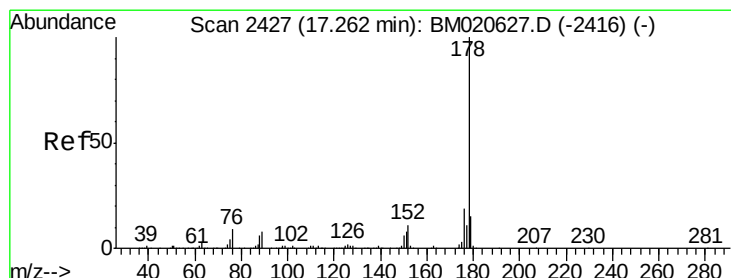
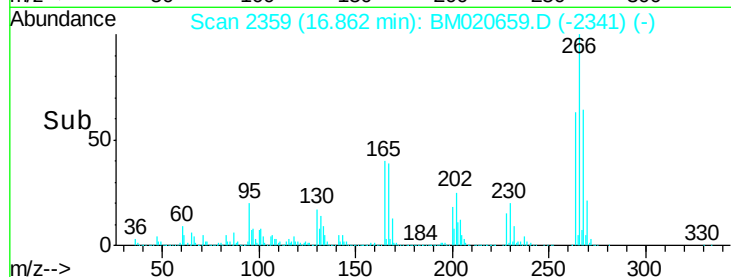
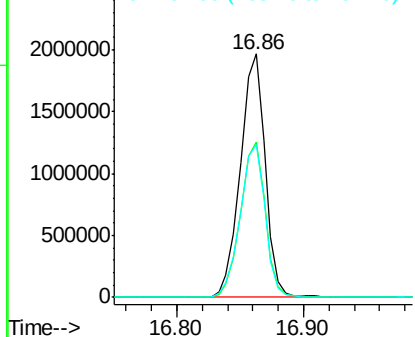
#70
 Pentachlorophenol
 Concen: 894.194 ng
 RT: 16.86 min Scan# 2359
 Delta R.T. 0.01 min
 Lab File: BM020659.D
 Acq: 01 Jun 2019 20:21

Instrument :
 BNA_M
 ClientSampleId :
 IRONBOUND-BRICK

Tgt Ion:266 Resp: 2670583
 Ion Ratio Lower Upper
 266 100
 268 64.0 50.6 75.8
 264 62.9 49.6 74.4

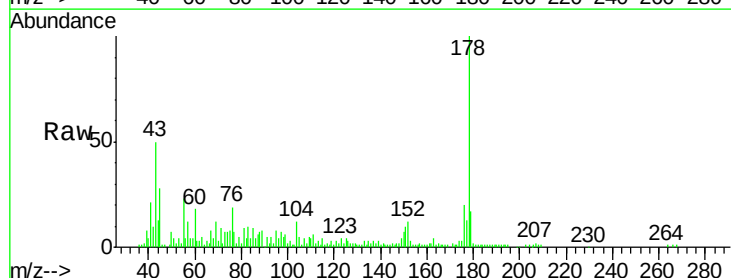


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

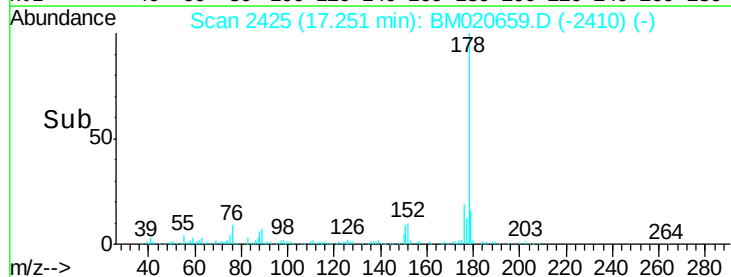
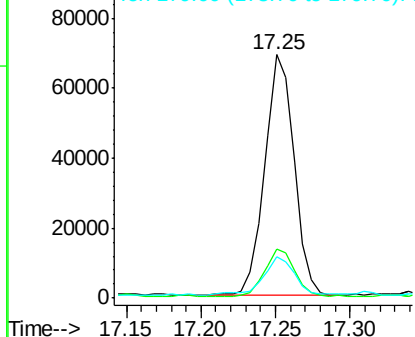


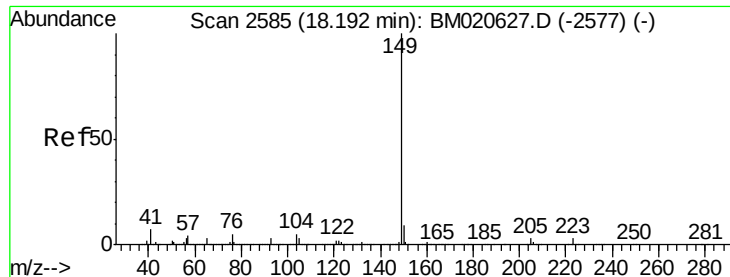
#71
 Phenanthrene
 Concen: 3.625 ng
 RT: 17.25 min Scan# 2425
 Delta R.T. -0.01 min
 Lab File: BM020659.D
 Acq: 01 Jun 2019 20:21

Tgt Ion:178 Resp: 93571
 Ion Ratio Lower Upper
 178 100
 176 20.1 15.5 23.3
 179 16.9 12.2 18.4



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

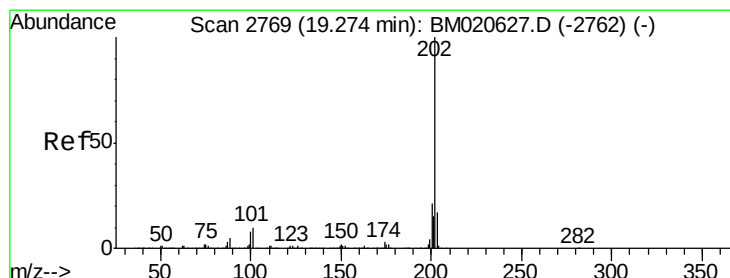
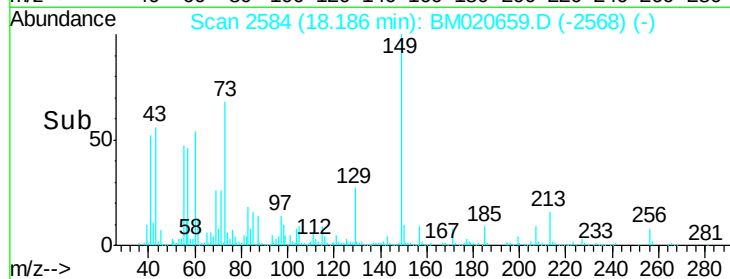
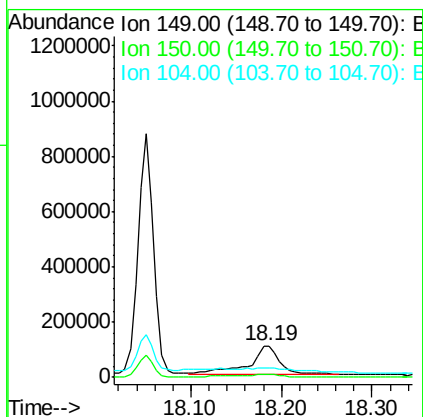
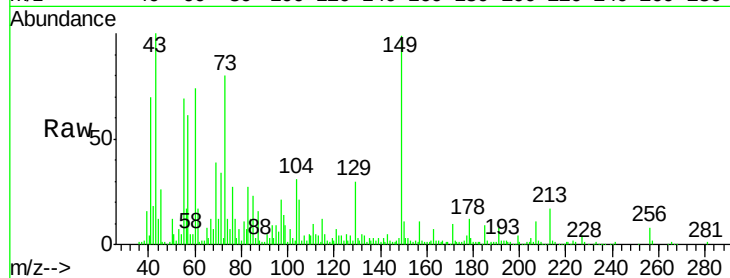




#74
Di-n-butylphthalate
Concen: 7.963 ng
RT: 18.19 min Scan# 2584
Delta R.T. -0.01 min
Lab File: BM020659.D
Acq: 01 Jun 2019 20:21

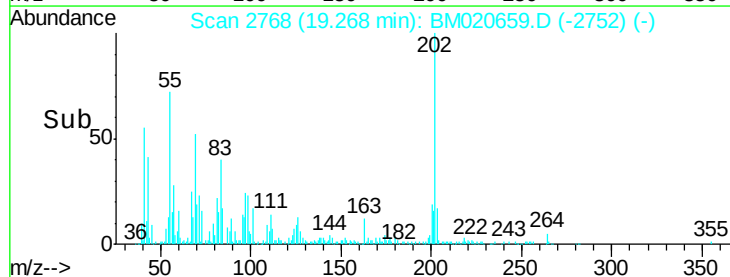
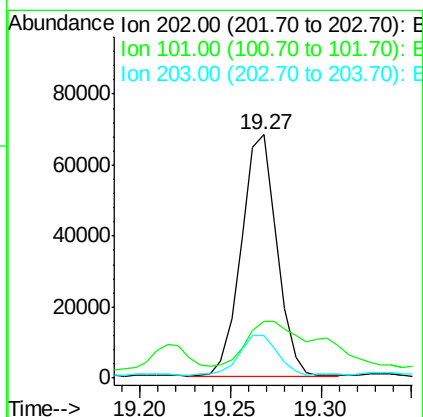
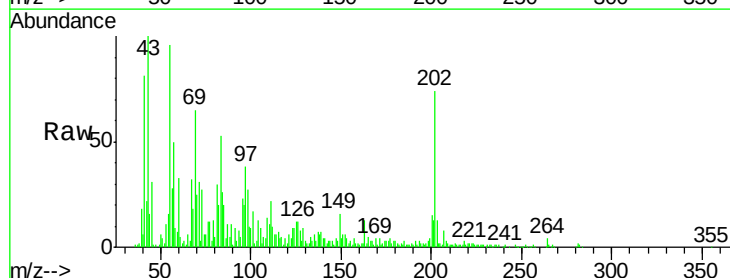
Instrument :
BNA_M
ClientSampleId :
IRONBOUND-BRICK

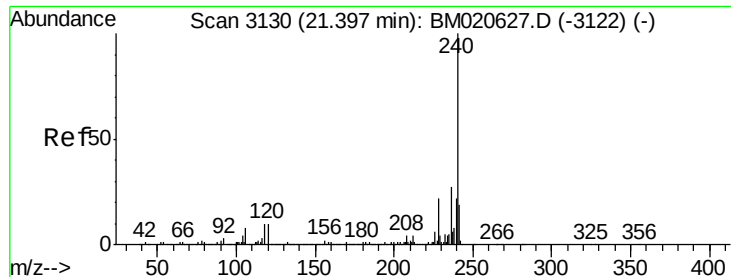
Tgt Ion:149 Resp: 242339
Ion Ratio Lower Upper
149 100
150 10.9 7.2 10.8#
104 31.0 4.2 6.2#



#75
Fluoranthene
Concen: 3.221 ng
RT: 19.27 min Scan# 2768
Delta R.T. -0.01 min
Lab File: BM020659.D
Acq: 01 Jun 2019 20:21

Tgt Ion:202 Resp: 92464
Ion Ratio Lower Upper
202 100
101 23.1 0.0 30.4
203 17.7 0.0 37.3

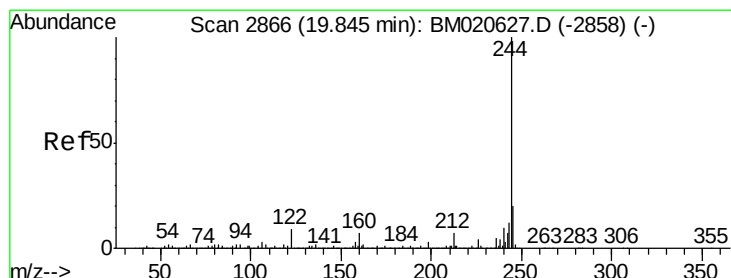
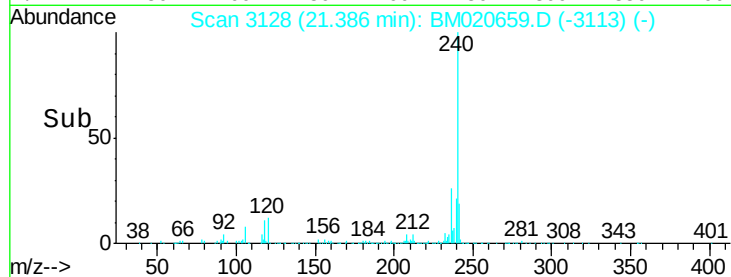
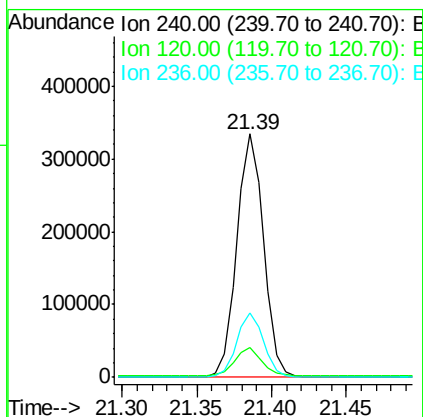
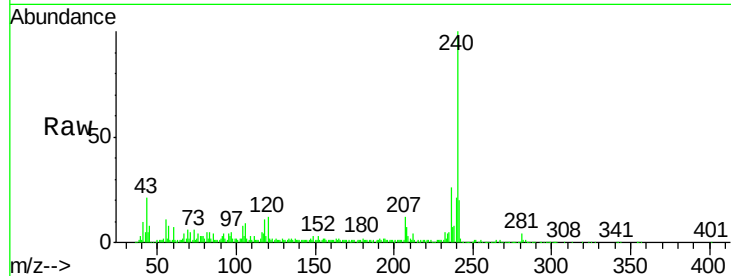




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.39 min Scan# 3128
Delta R.T. -0.01 min
Lab File: BM020659.D
Acq: 01 Jun 2019 20:21

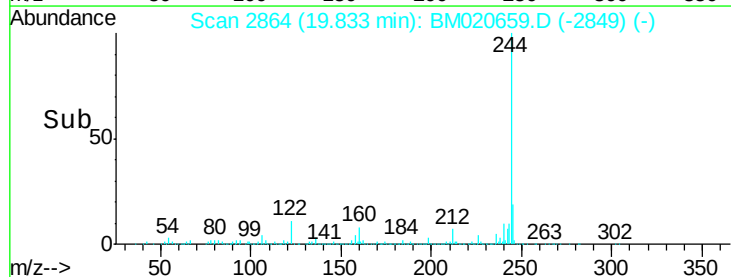
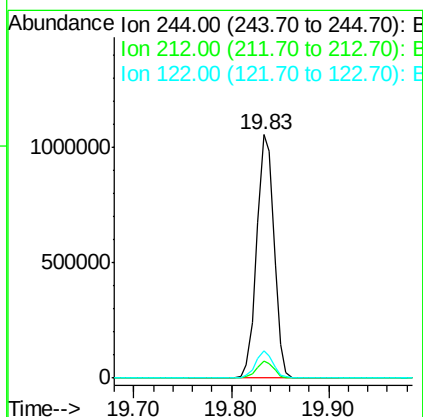
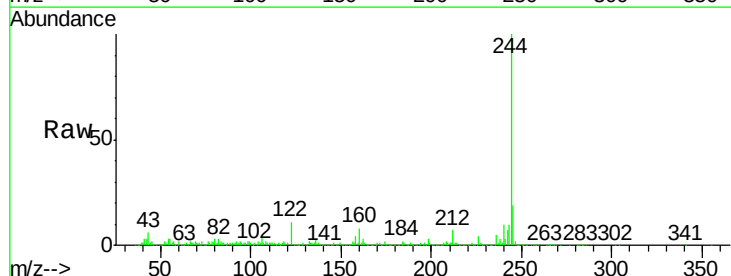
Instrument :
BNA_M
ClientSampleId :
IRONBOUND-BRICK

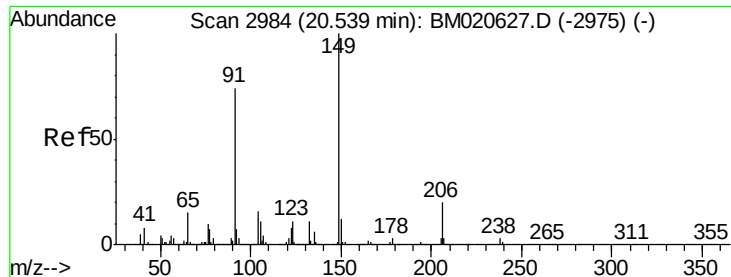
Tgt Ion:240 Resp: 416016
Ion Ratio Lower Upper
240 100
120 12.3 8.2 12.2#
236 26.4 21.2 31.8



#79
Terphenyl-d14
Concen: 52.382 ng
RT: 19.83 min Scan# 2864
Delta R.T. -0.01 min
Lab File: BM020659.D
Acq: 01 Jun 2019 20:21

Tgt Ion:244 Resp: 1302835
Ion Ratio Lower Upper
244 100
212 7.0 5.7 8.5
122 11.1 7.2 10.8#

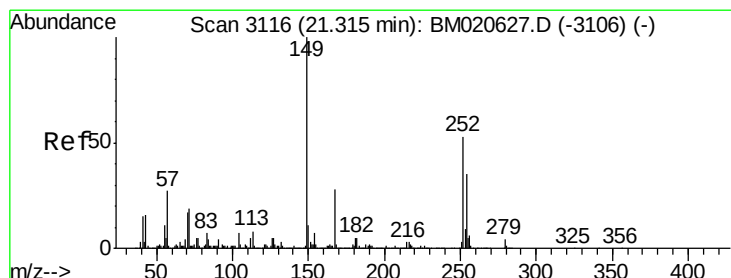
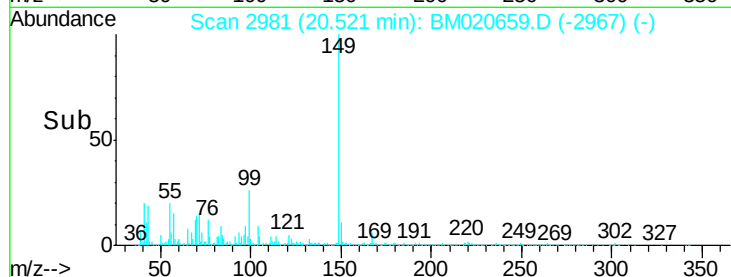
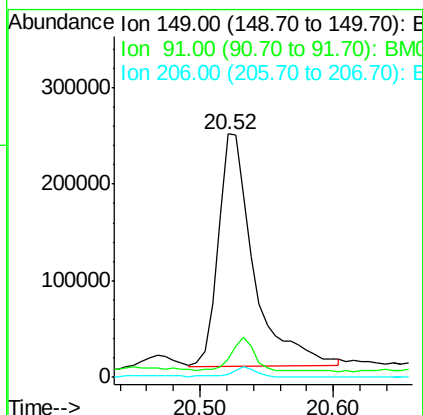
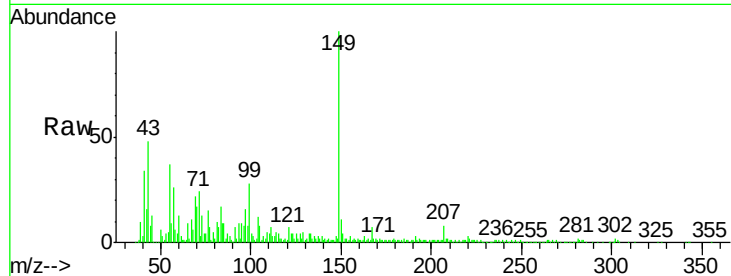




#80
 Butylbenzylphthalate
 Concen: 32.968 ng
 RT: 20.52 min Scan# 2981
 Delta R.T. -0.02 min
 Lab File: BM020659.D
 Acq: 01 Jun 2019 20:21

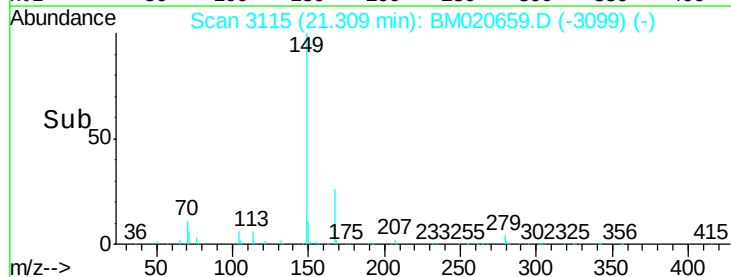
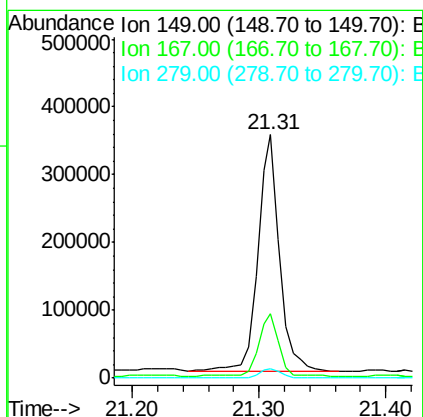
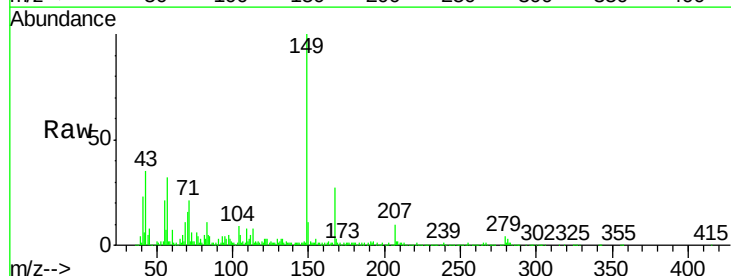
Instrument :
 BNA_M
 ClientSampleId :
 IRONBOUND-BRICK

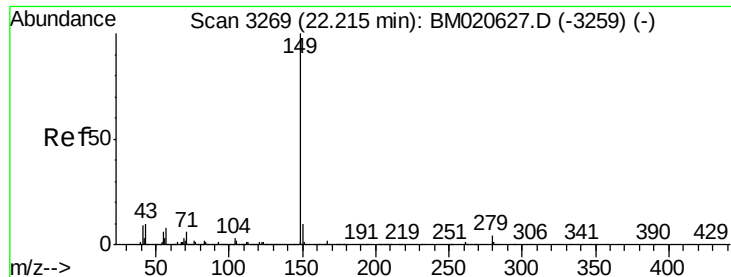
Tgt Ion	Ratio	Lower	Upper
149	100		
91	7.3	59.6	89.4#
206	1.4	15.7	23.5#



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 21.474 ng
 RT: 21.31 min Scan# 3115
 Delta R.T. -0.01 min
 Lab File: BM020659.D
 Acq: 01 Jun 2019 20:21

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.6	22.1	33.1
279	3.9	3.4	5.0





#85

Di-n-octyl phthalate

Concen: 2.940 ng

RT: 22.17 min Scan# 3262

Delta R.T. -0.04 min

Lab File: BM020659.D

Acq: 01 Jun 2019 20:21

Instrument :

BNA_M

ClientSampleId :

IRONBOUND-BRICK

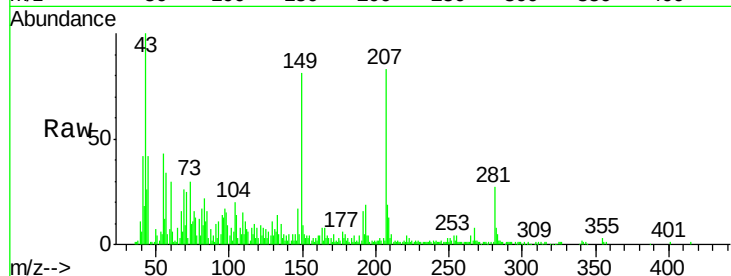
Tgt Ion:149 Resp: 91528

Ion Ratio Lower Upper

149 100

167 0.0 1.3 1.9#

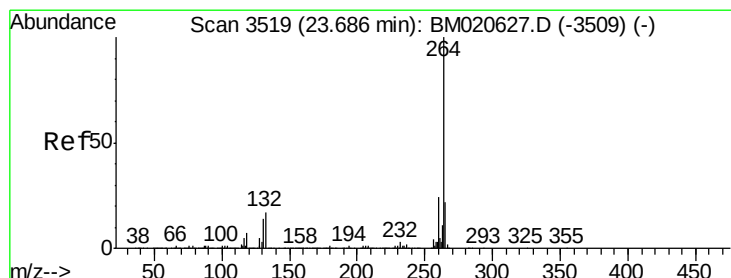
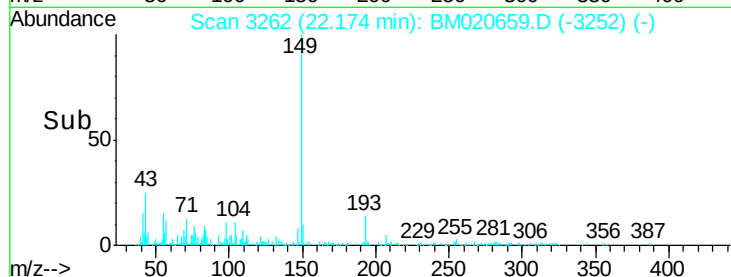
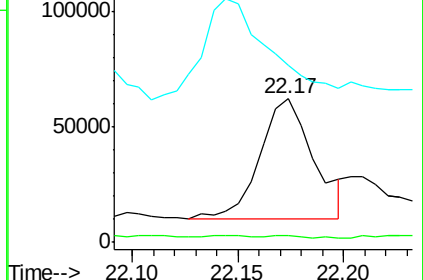
43 0.0 8.2 12.4#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BM



#87

Perylene-d12

Concen: 20.000 ng

RT: 23.68 min Scan# 3518

Delta R.T. -0.01 min

Lab File: BM020659.D

Acq: 01 Jun 2019 20:21

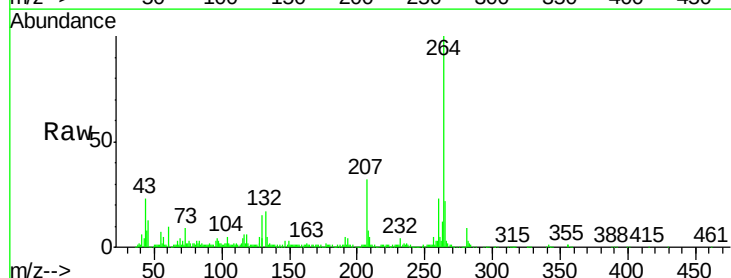
Tgt Ion:264 Resp: 453700

Ion Ratio Lower Upper

264 100

260 23.2 19.2 28.8

265 22.0 17.6 26.4



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

