

Data File : BM020692.D
Acq On : 04 Jun 2019 06:30
Operator : HP/JU
Sample : K3117-01RE
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
IRONBOUND-BRICKRE

Quant Time: Jun 04 07:37:55 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	97863	20.00	ng	0.00
21) Naphthalene-d8	10.62	136	376512	20.00	ng	-0.01
39) Acenaphthene-d10	14.46	164	202117	20.00	ng	-0.01
64) Phenanthrene-d10	17.20	188	421690	20.00	ng	-0.01
76) Chrysene-d12	21.38	240	389112	20.00	ng	-0.02
87) Perylene-d12	23.67	264	407756	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	502571	90.34	ng	0.00
7) Phenol-d6	6.99	99	685962	83.74	ng	0.00
23) Nitrobenzene-d5	8.98	82	413395	56.89	ng	-0.02
42) 2,4,6-Tribromophenol	15.94	330	231077	92.28	ng	-0.02
45) 2-Fluorobiphenyl	13.08	172	893748	58.79	ng	-0.01
79) Terphenyl-d14	19.83	244	1211862	52.09	ng	-0.02

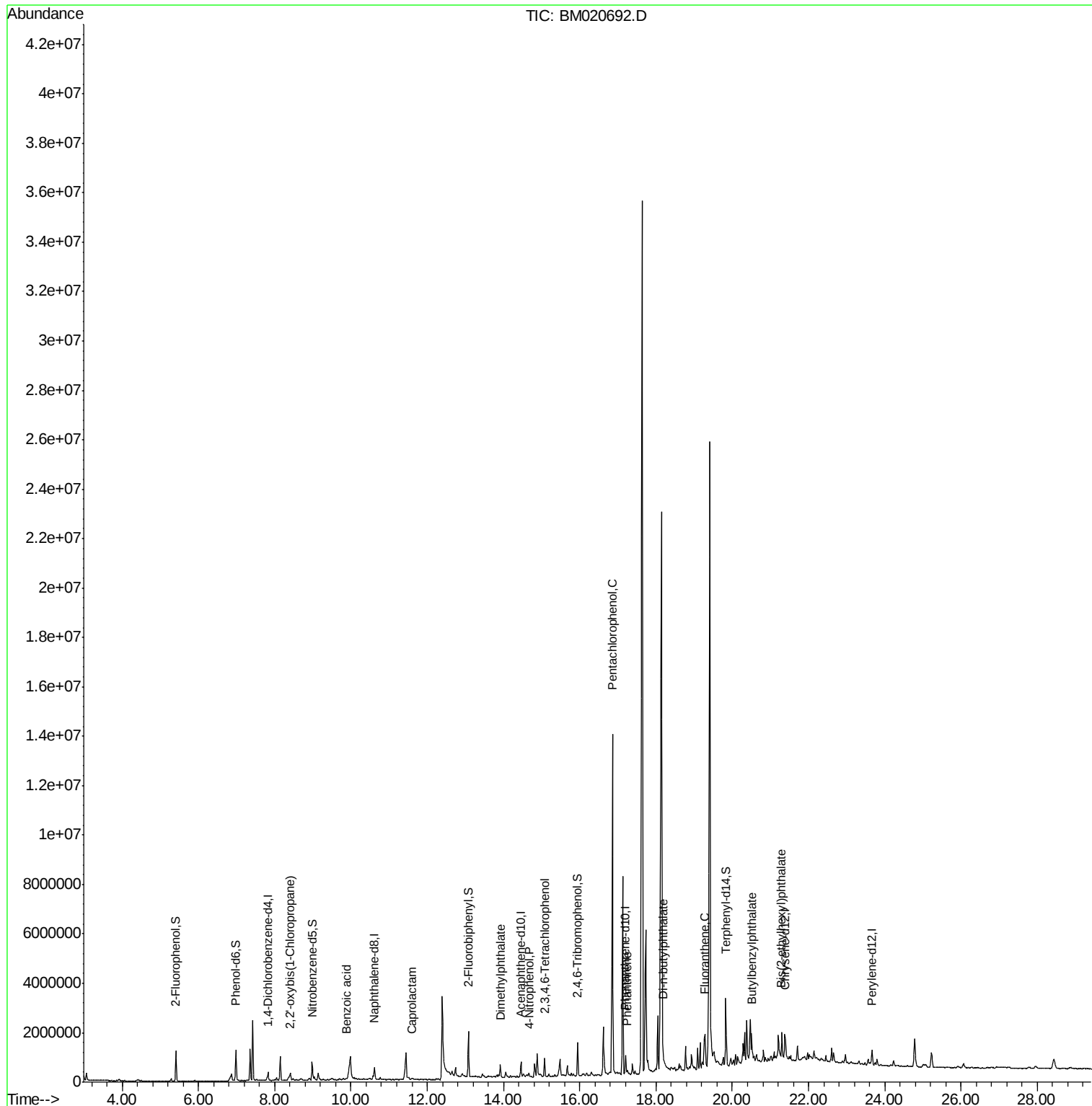
Target Compounds				Qvalue		
9) Benzaldehyde	6.97	77	5519	Below Cal	#	73
16) 2,2'-oxybis(1-Chloropropan	8.41	45	31235	2.876 ng		78
32) Benzoic acid	9.88	122	8054	7.340 ng		95
35) Caprolactam	11.62	113	5963	2.995 ng	#	1
50) Dimethylphthalate	13.92	163	292761	16.954 ng		99
56) 4-Nitrophenol	14.67	139	32401	11.235 ng		93
59) 2,3,4,6-Tetrachlorophenol	15.08	232	134954	35.186 ng	#	98
70) Pentachlorophenol	16.86	266	2471902	893.726 ng		98
71) Phenanthrene	17.24	178	87200	3.648 ng		96
74) Di-n-butylphthalate	18.18	149	140610	4.989 ng	#	70
75) Fluoranthene	19.26	202	88849	3.342 ng		86
80) Butylbenzylphthalate	20.53	149	160752	12.739 ng	#	64
84) Bis(2-ethylhexyl)phthalate	21.30	149	365245	19.915 ng		97

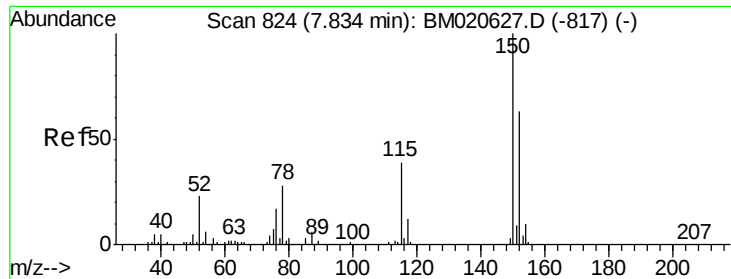
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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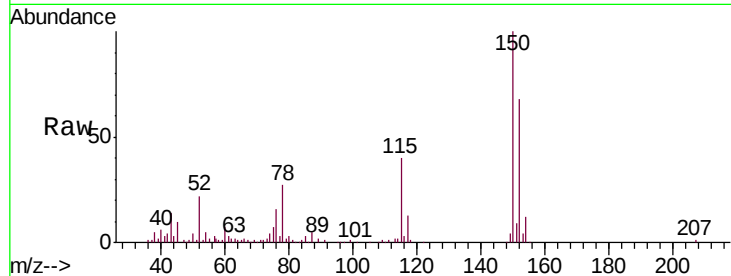


#1

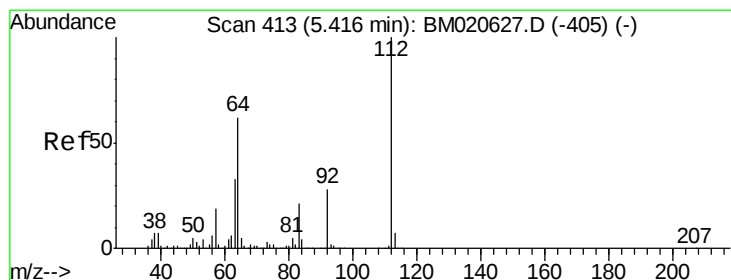
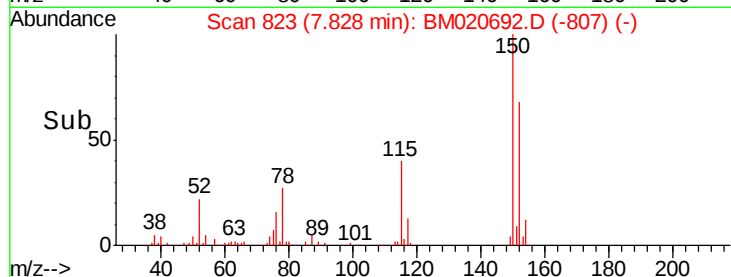
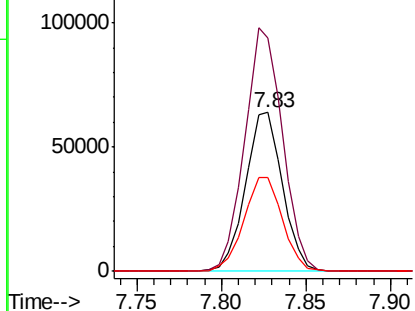
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.83 min Scan# 823
Delta R.T. -0.01 min
Lab File: BM020692.D
Acq: 04 Jun 2019 06:30

Instrument :
BNA_M
ClientSampleId :
IRONBOUND-BRICKRE

Tgt Ion:152 Resp: 97863
Ion Ratio Lower Upper
152 100
150 146.8 126.0 189.0
115 59.0 49.6 74.4



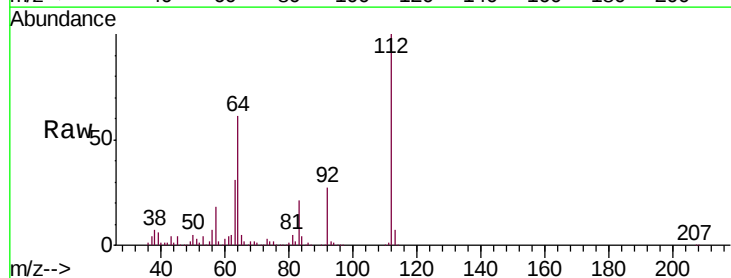
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



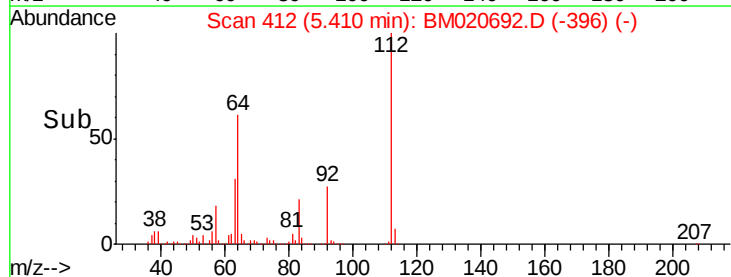
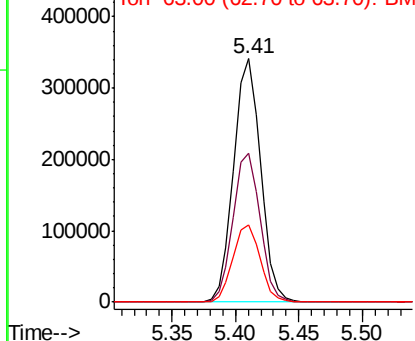
#5

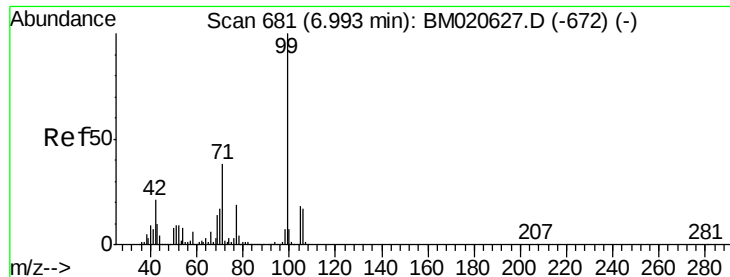
2-Fluorophenol
Concen: 90.336 ng
RT: 5.41 min Scan# 412
Delta R.T. -0.01 min
Lab File: BM020692.D
Acq: 04 Jun 2019 06:30

Tgt Ion:112 Resp: 502571
Ion Ratio Lower Upper
112 100
64 61.0 49.7 74.5
63 31.5 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: 83.737 ng

RT: 6.99 min Scan# 680

Delta R.T. -0.01 min

Lab File: BM020692.D

Acq: 04 Jun 2019 06:30

Instrument :

BNA_M

ClientSampleId :

IRONBOUND-BRICKRE

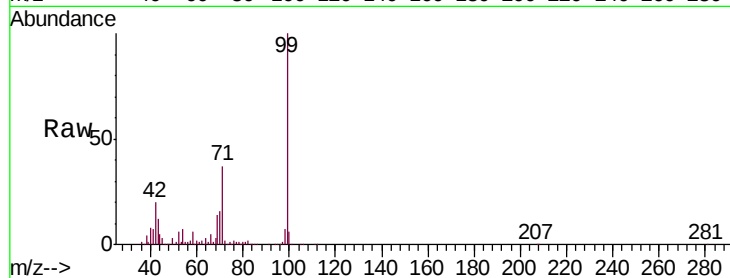
Tgt Ion: 99 Resp: 685962

Ion Ratio Lower Upper

99 100

42 19.8 16.5 24.7

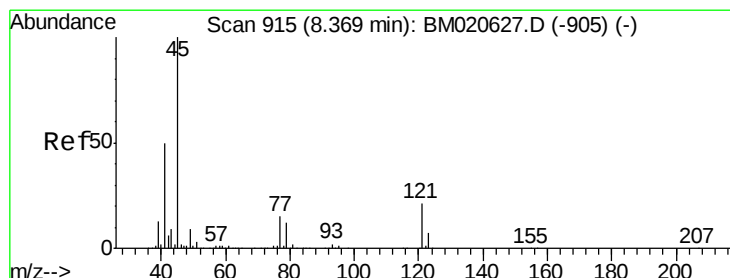
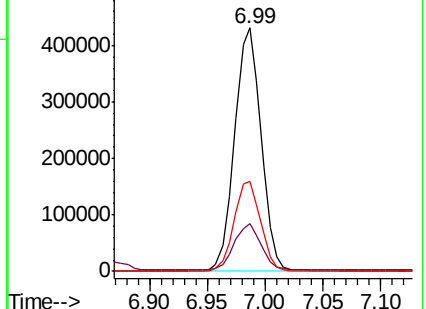
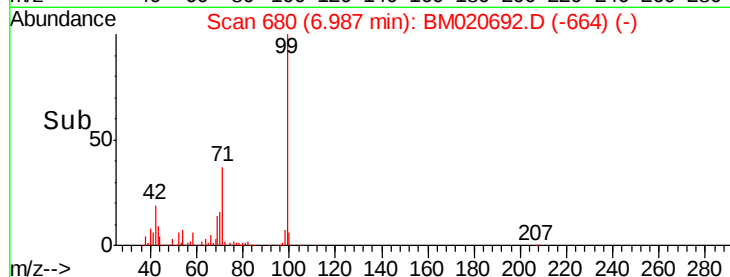
71 37.0 30.7 46.1



Abundance Ion 99.00 (98.70 to 99.70): BM020692.D (-664) (-)

Ion 42.00 (41.70 to 42.70): BM020692.D (-664) (-)

Ion 71.00 (70.70 to 71.70): BM020692.D (-664) (-)



#16

2,2'-oxybis(1-Chloropropane)

Concen: 2.876 ng

RT: 8.41 min Scan# 922

Delta R.T. 0.04 min

Lab File: BM020692.D

Acq: 04 Jun 2019 06:30

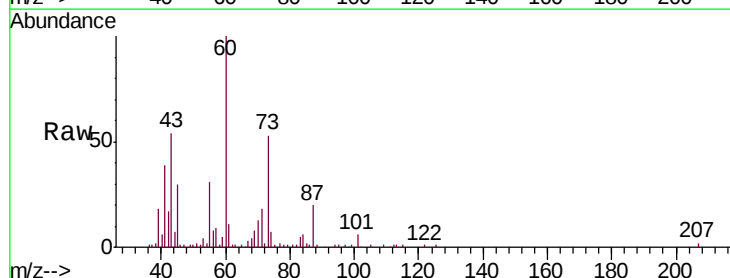
Tgt Ion: 45 Resp: 31235

Ion Ratio Lower Upper

45 100

77 6.2 0.0 34.9

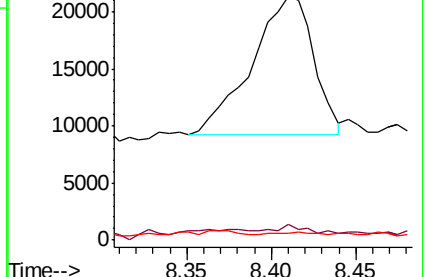
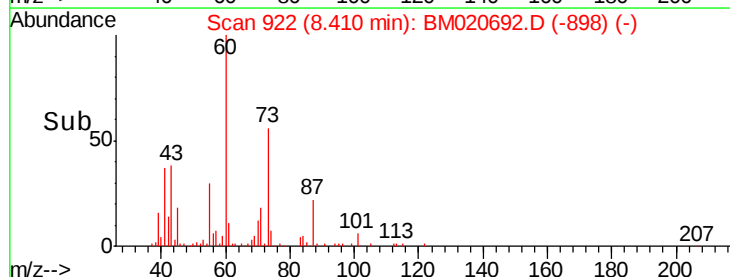
79 2.7 0.0 31.8

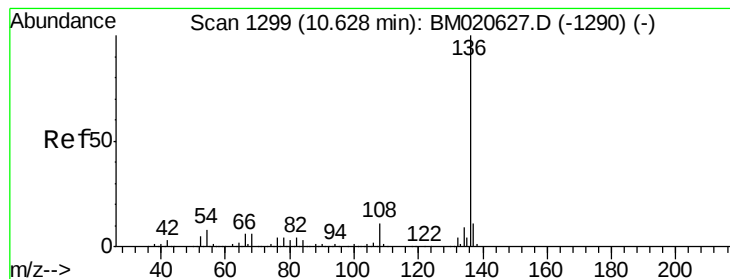


Abundance Ion 45.00 (44.70 to 45.70): BM020692.D (-898) (-)

Ion 77.00 (76.70 to 77.70): BM020692.D (-898) (-)

Ion 79.00 (78.70 to 79.70): BM020692.D (-898) (-)

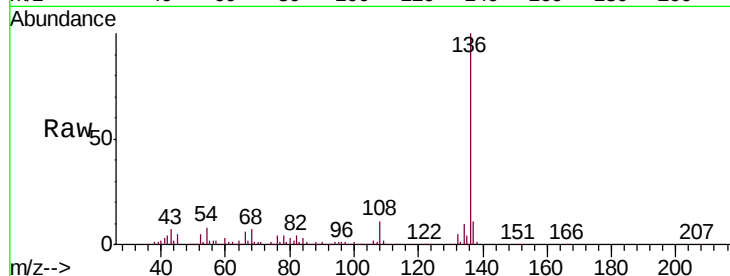




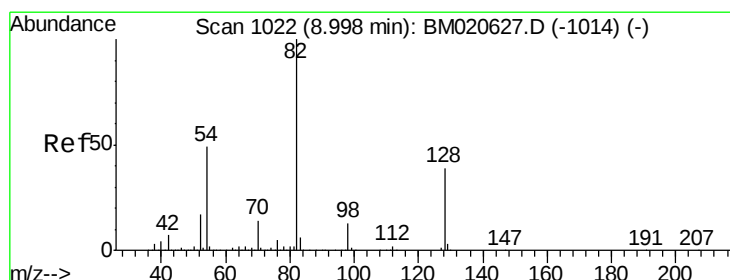
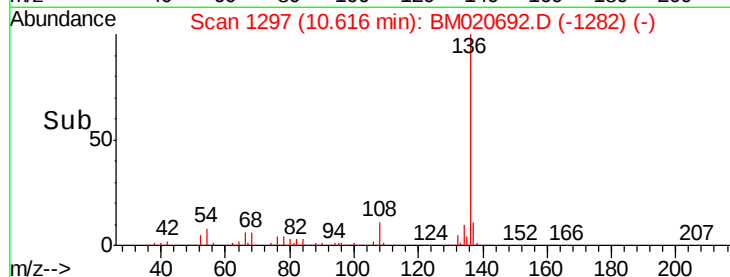
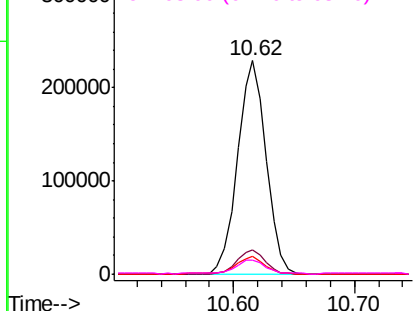
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.62 min Scan# 1297
Delta R.T. -0.01 min
Lab File: BM020692.D
Acq: 04 Jun 2019 06:30

Instrument :
BNA_M
ClientSampleId :
IRONBOUND-BRICKRE

Tgt Ion:	136	Resp:	376512
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	8.5	6.6	10.0
68	6.6	5.1	7.7

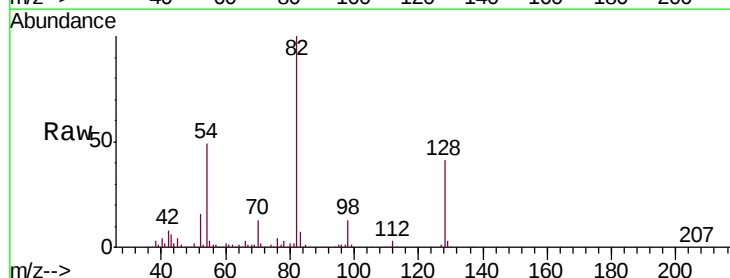


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BM
Ion 68.00 (67.70 to 68.70): BM

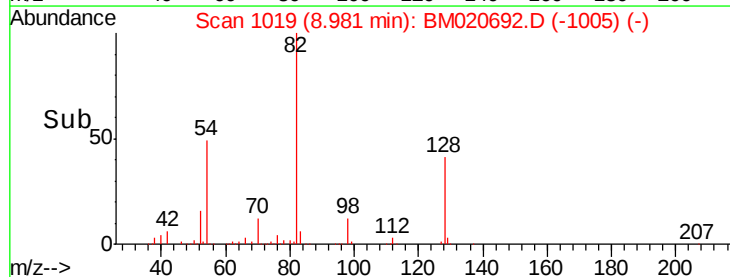
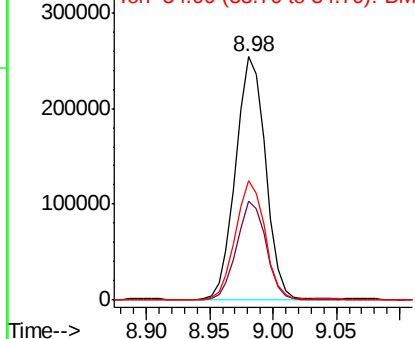


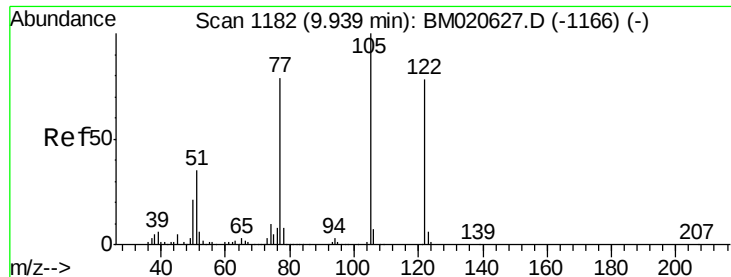
#23
Nitrobenzene-d5
Concen: 56.887 ng
RT: 8.98 min Scan# 1019
Delta R.T. -0.02 min
Lab File: BM020692.D
Acq: 04 Jun 2019 06:30

Tgt Ion:	82	Resp:	413395
Ion	Ratio	Lower	Upper
82	100		
128	40.6	31.5	47.3
54	48.8	39.4	59.0



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

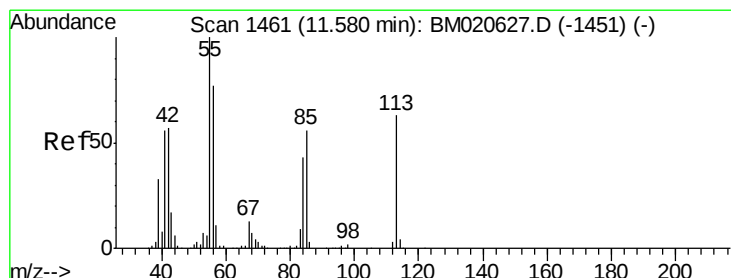
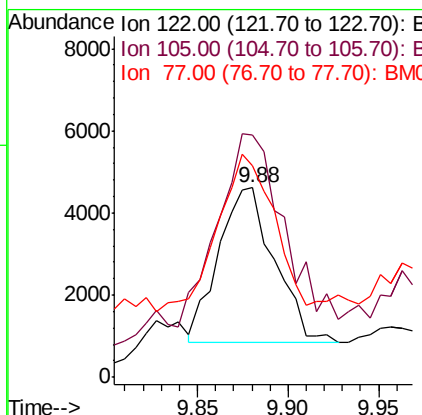
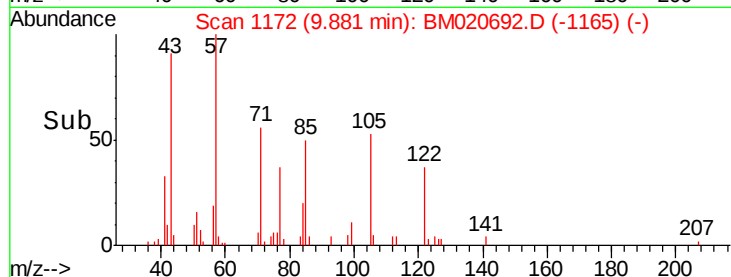
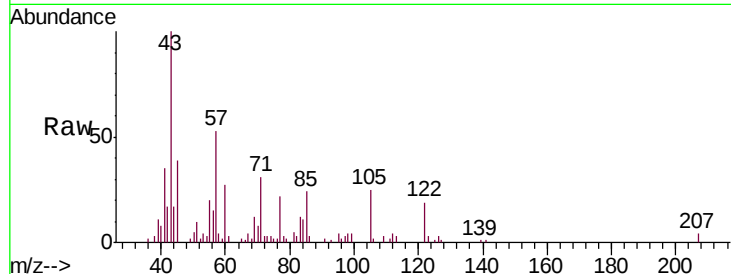




#32
Benzoic acid
Concen: 7.340 ng
RT: 9.88 min Scan# 1172
Delta R.T. -0.06 min
Lab File: BM020692.D
Acq: 04 Jun 2019 06:30

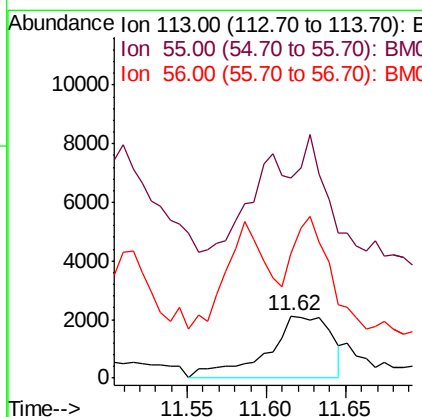
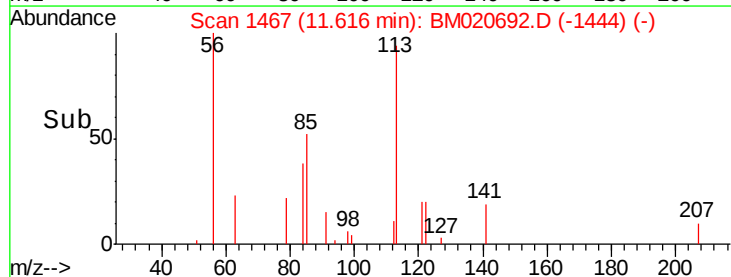
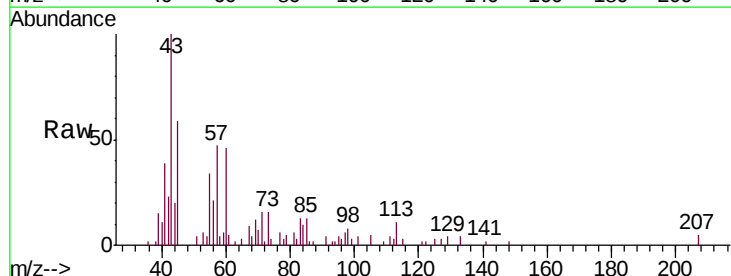
Instrument :
BNA_M
ClientSampleId :
IRONBOUND-BRICKRE

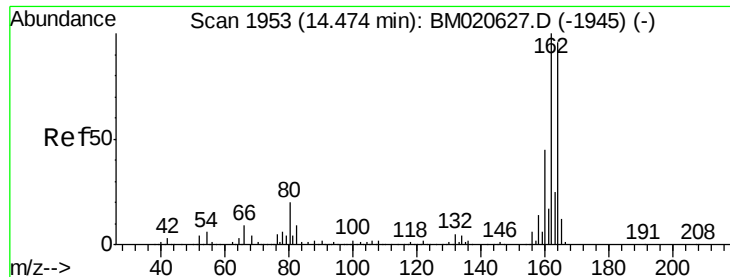
Tgt Ion:122 Resp: 8054
Ion Ratio Lower Upper
122 100
105 127.9 107.0 147.0
77 111.6 80.9 120.9



#35
Caprolactam
Concen: 2.995 ng
RT: 11.62 min Scan# 1467
Delta R.T. 0.04 min
Lab File: BM020692.D
Acq: 04 Jun 2019 06:30

Tgt Ion:113 Resp: 5963
Ion Ratio Lower Upper
113 100
55 321.5 138.6 178.6#
56 200.9 102.3 142.3#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.46 min Scan# 1951

Delta R.T. -0.01 min

Lab File: BM020692.D

Acq: 04 Jun 2019 06:30

Instrument :

BNA_M

ClientSampleId :

IRONBOUND-BRICKRE

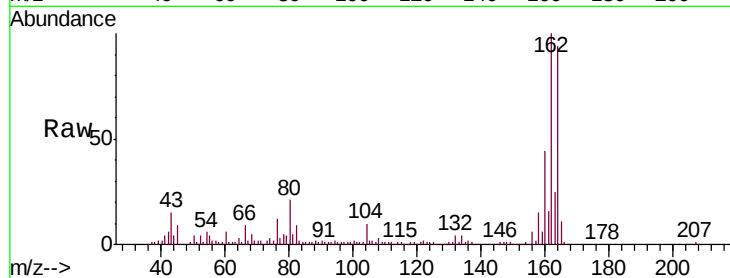
Tgt Ion:164 Resp: 202117

Ion Ratio Lower Upper

164 100

162 106.4 83.2 124.8

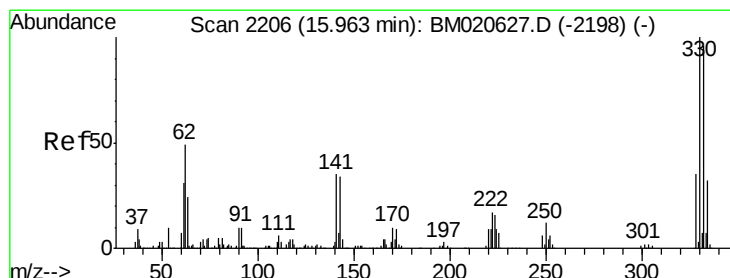
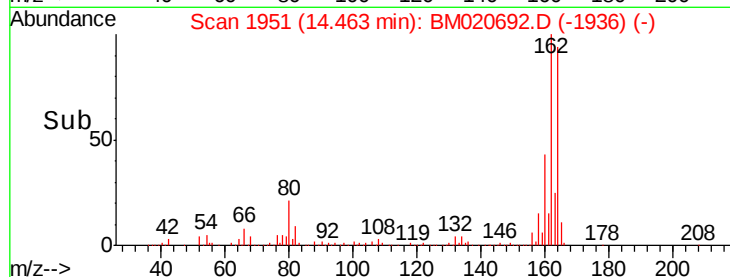
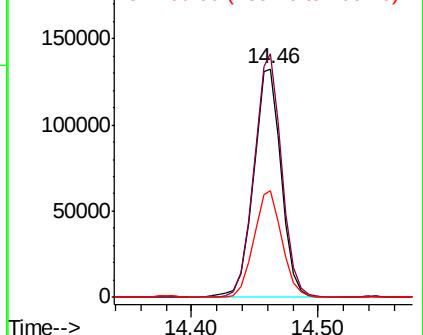
160 46.6 37.5 56.3



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: 92.275 ng

RT: 15.94 min Scan# 2203

Delta R.T. -0.02 min

Lab File: BM020692.D

Acq: 04 Jun 2019 06:30

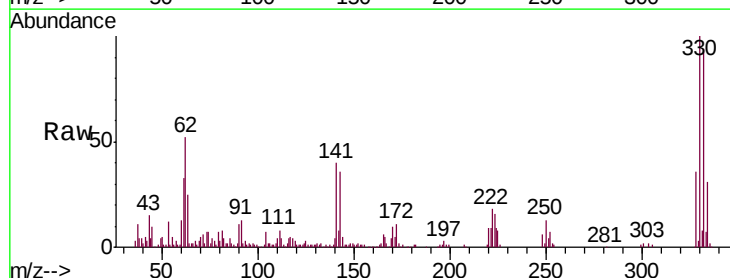
Tgt Ion:330 Resp: 231077

Ion Ratio Lower Upper

330 100

332 96.8 77.4 116.0

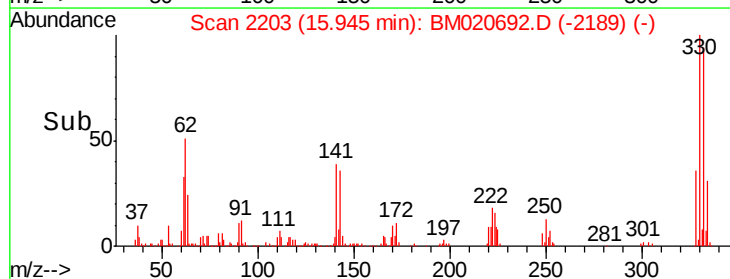
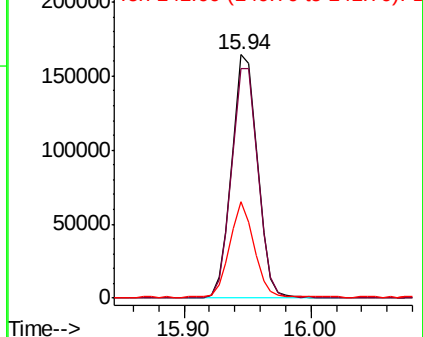
141 37.0 30.4 45.6

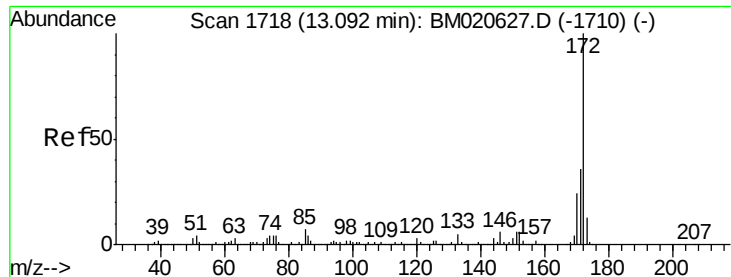


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

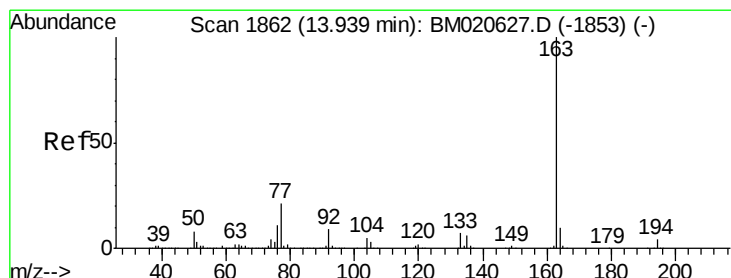
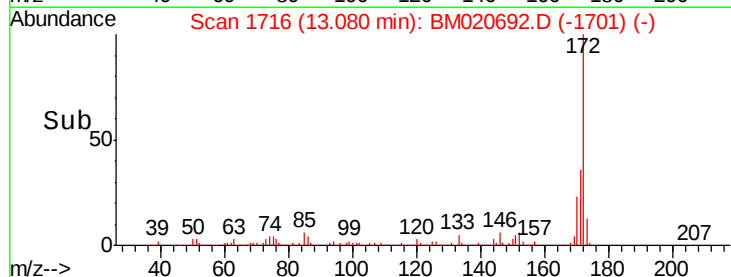
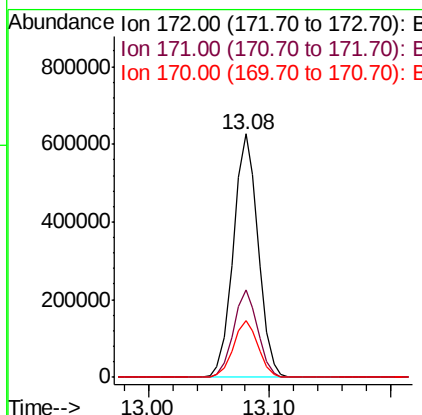
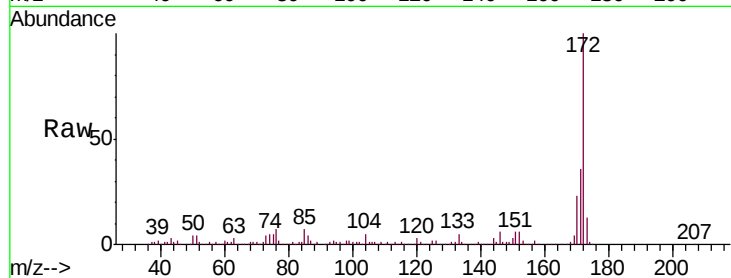




#45
2-Fluorobiphenyl
Concen: 58.787 ng
RT: 13.08 min Scan# 1716
Delta R.T. -0.01 min
Lab File: BM020692.D
Acq: 04 Jun 2019 06:30

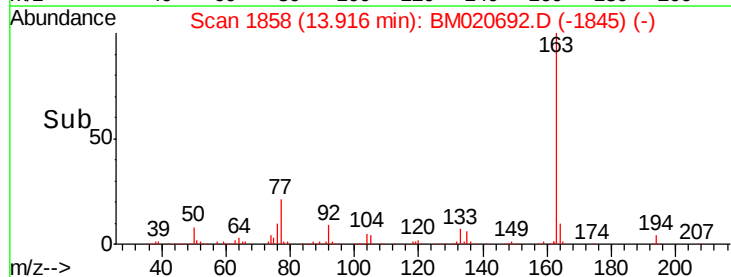
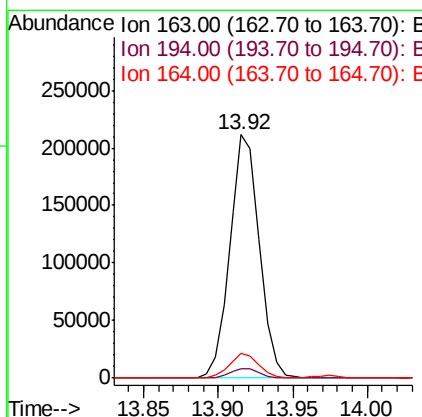
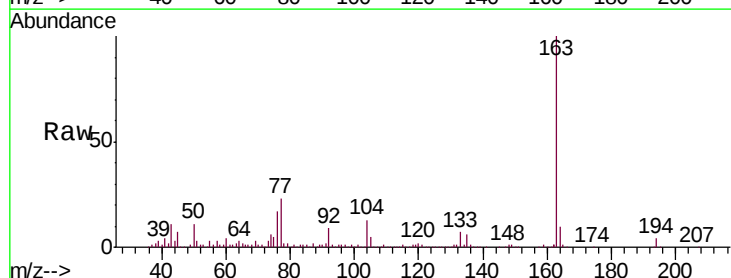
Instrument :
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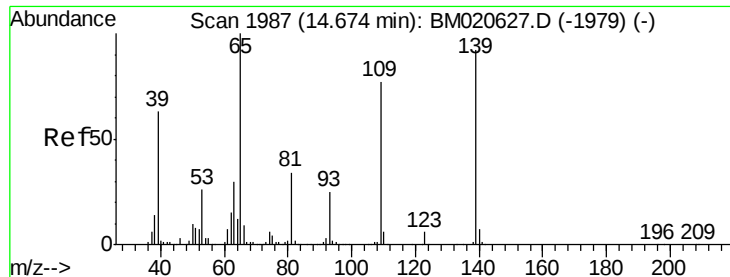
Tgt Ion:172 Resp: 893748
Ion Ratio Lower Upper
172 100
171 36.2 28.6 43.0
170 23.1 18.9 28.3



#50
Dimethylphthalate
Concen: 16.954 ng
RT: 13.92 min Scan# 1858
Delta R.T. -0.02 min
Lab File: BM020692.D
Acq: 04 Jun 2019 06:30

Tgt Ion:163 Resp: 292761
Ion Ratio Lower Upper
163 100
194 4.0 3.2 4.8
164 10.4 7.9 11.9





#56

4-Nitrophenol

Concen: 11.235 ng

RT: 14.67 min Scan# 1987

Delta R.T. -0.00 min

Lab File: BM020692.D

Acq: 04 Jun 2019 06:30

Instrument :

BNA_M

ClientSampleId :

IRONBOUND-BRICKRE

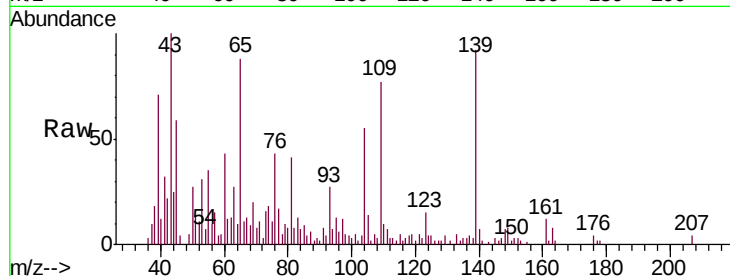
Tgt Ion:139 Resp: 32401

Ion Ratio Lower Upper

139 100

109 83.1 62.7 102.7

65 95.0 88.3 128.3

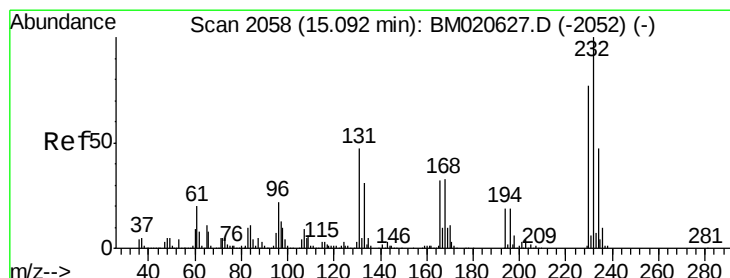
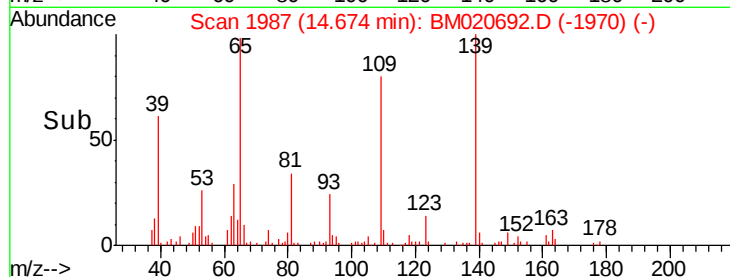
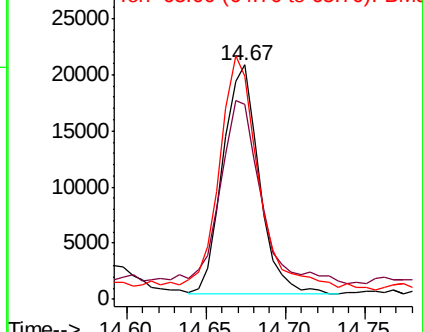


Abundance

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: 35.186 ng

RT: 15.08 min Scan# 2056

Delta R.T. -0.01 min

Lab File: BM020692.D

Acq: 04 Jun 2019 06:30

Tgt Ion:232 Resp: 134954

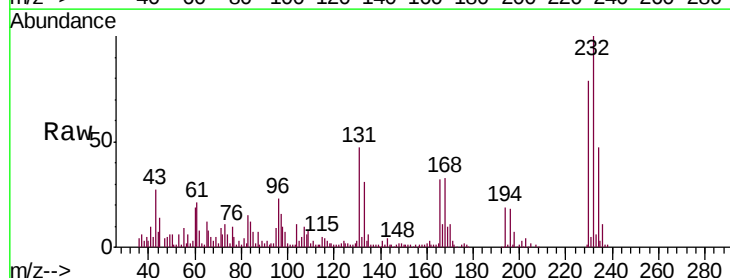
Ion Ratio Lower Upper

232 100

131 46.8 38.6 57.8

130 4.3 2.2 3.2#

166 32.4 26.6 39.8



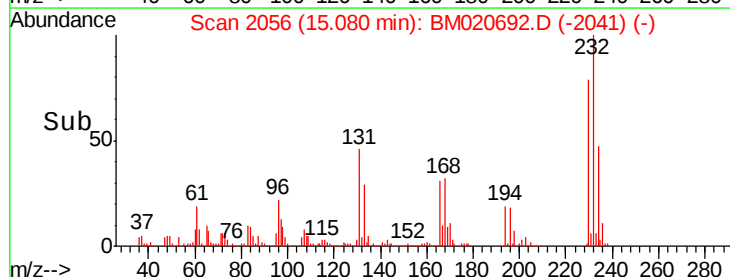
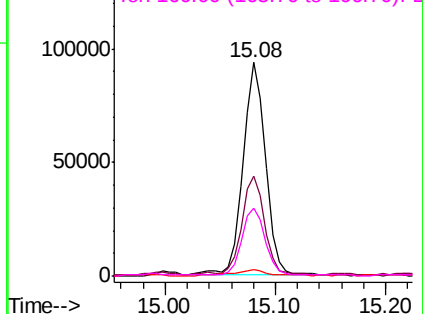
Abundance

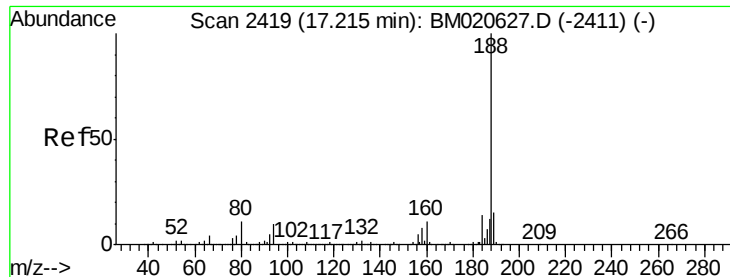
Ion 232.00 (231.70 to 232.70): E

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: 17.20 min Scan# 2417

Delta R.T. -0.01 min

Lab File: BM020692.D

Acq: 04 Jun 2019 06:30

Instrument :

BNA_M

ClientSampleId :

IRONBOUND-BRICKRE

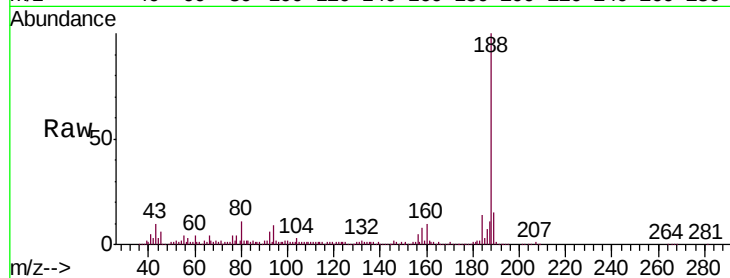
Tgt Ion:188 Resp: 421690

Ion Ratio Lower Upper

188 100

94 9.4 7.8 11.8

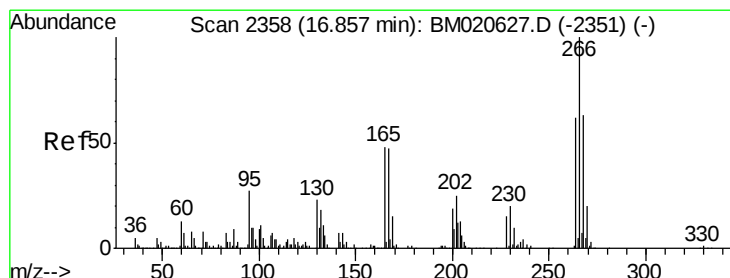
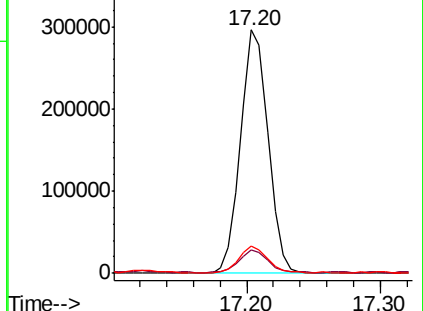
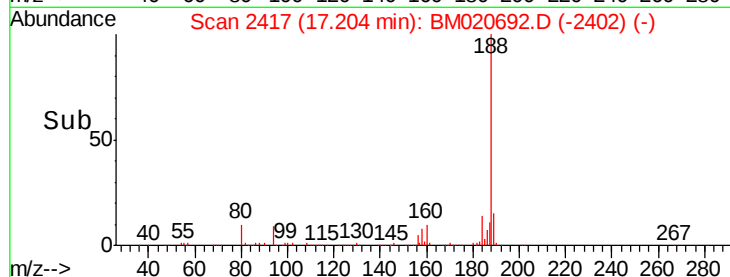
80 11.3 9.0 13.6



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM

Ion 80.00 (79.70 to 80.70): BM



#70

Pentachlorophenol

Concen: 893.726 ng

RT: 16.86 min Scan# 2358

Delta R.T. -0.00 min

Lab File: BM020692.D

Acq: 04 Jun 2019 06:30

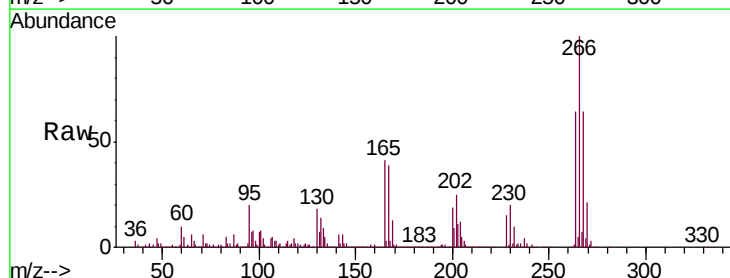
Tgt Ion:266 Resp: 2471902

Ion Ratio Lower Upper

266 100

268 64.3 50.6 75.8

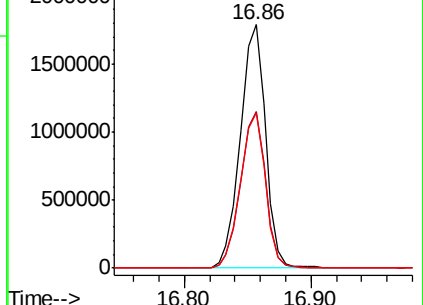
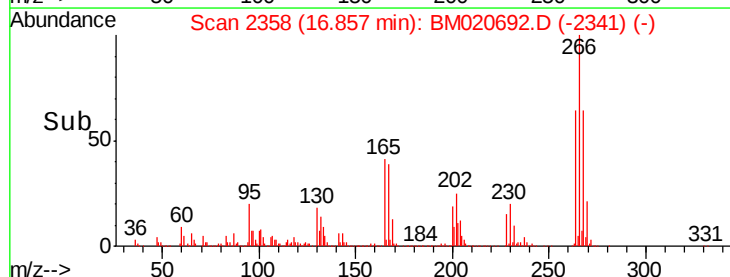
264 63.5 49.6 74.4

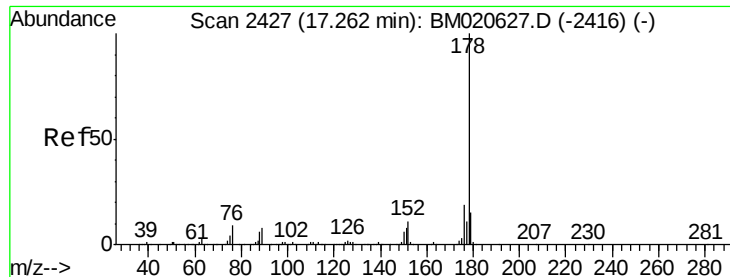


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

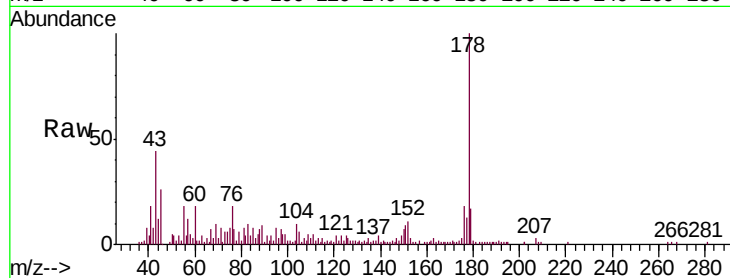




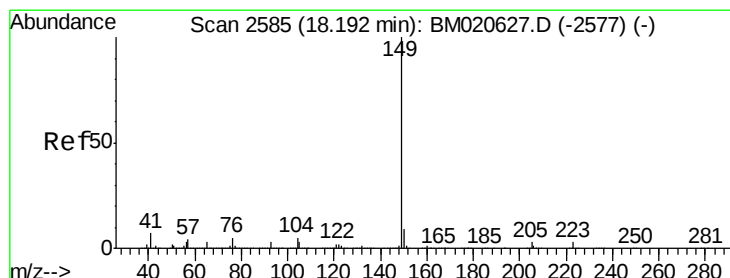
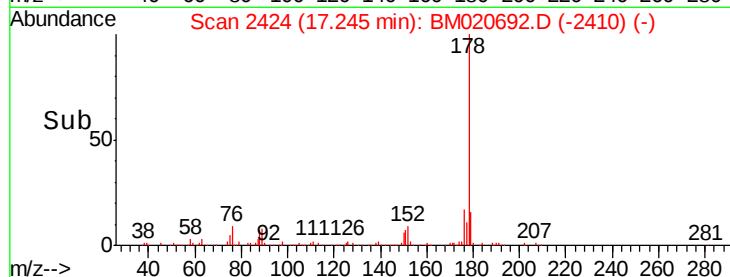
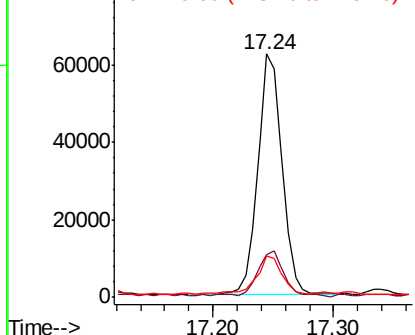
#71
Phenanthrene
Concen: 3.648 ng
RT: 17.24 min Scan# 2424
Delta R.T. -0.02 min
Lab File: BM020692.D
Acq: 04 Jun 2019 06:30

Instrument :
BNA_M
ClientSampleId :
IRONBOUND-BRICKRE

Tgt Ion:178 Resp: 87200
Ion Ratio Lower Upper
178 100
176 17.5 15.5 23.3
179 17.1 12.2 18.4

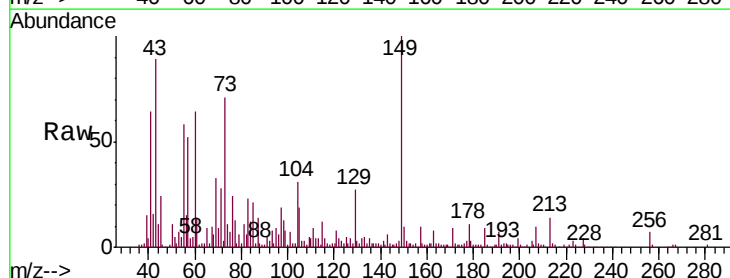


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

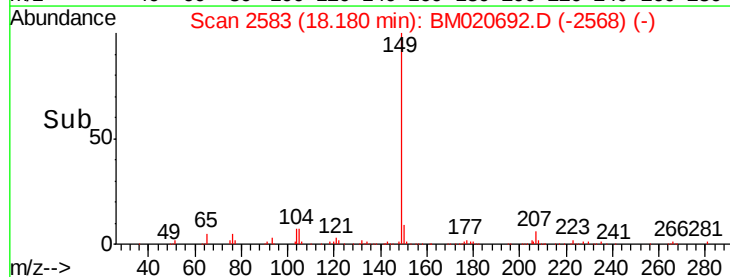
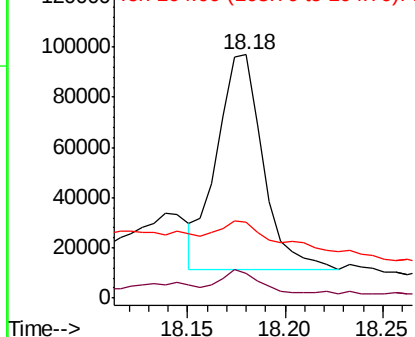


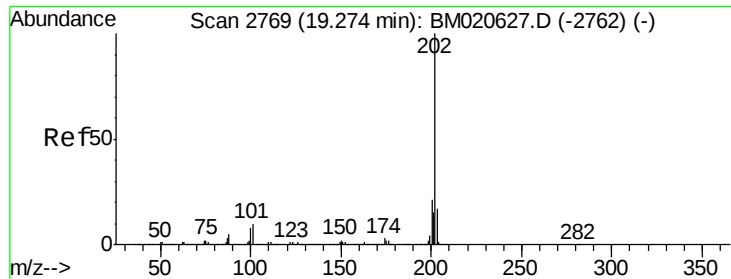
#74
Di-n-butylphthalate
Concen: 4.989 ng
RT: 18.18 min Scan# 2583
Delta R.T. -0.01 min
Lab File: BM020692.D
Acq: 04 Jun 2019 06:30

Tgt Ion:149 Resp: 140610
Ion Ratio Lower Upper
149 100
150 10.0 7.2 10.8
104 31.0 4.2 6.2#



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 3.342 ng

RT: 19.26 min Scan# 2767

Delta R.T. -0.01 min

Lab File: BM020692.D

Acq: 04 Jun 2019 06:30

Instrument :

BNA_M

ClientSampleId :

IRONBOUND-BRICKRE

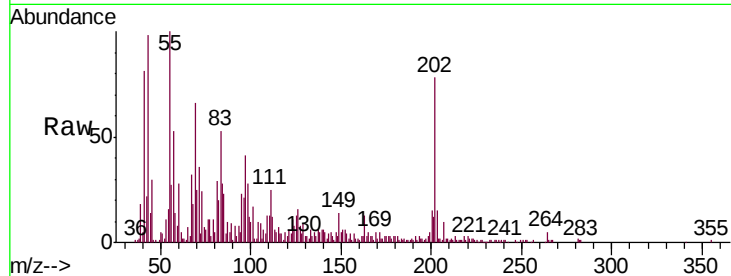
Tgt Ion:202 Resp: 88849

Ion Ratio Lower Upper

202 100

101 22.5 0.0 30.4

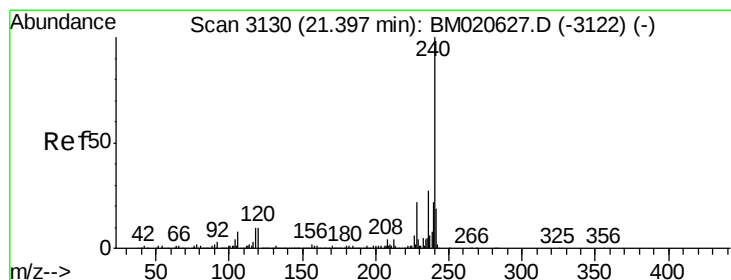
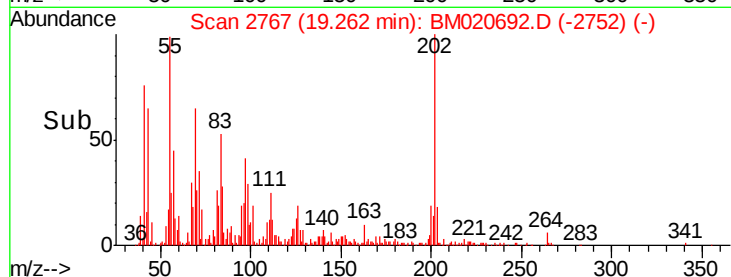
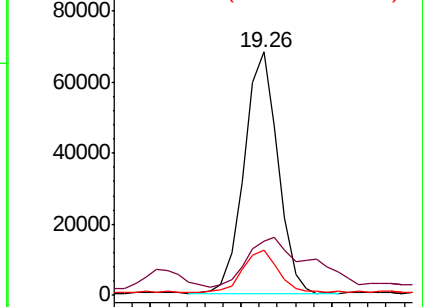
203 18.8 0.0 37.3



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.38 min Scan# 3127

Delta R.T. -0.02 min

Lab File: BM020692.D

Acq: 04 Jun 2019 06:30

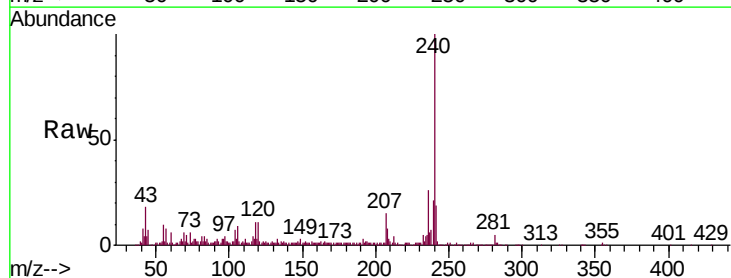
Tgt Ion:240 Resp: 389112

Ion Ratio Lower Upper

240 100

120 11.1 8.2 12.2

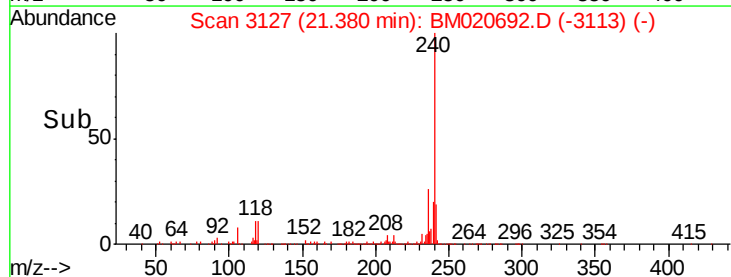
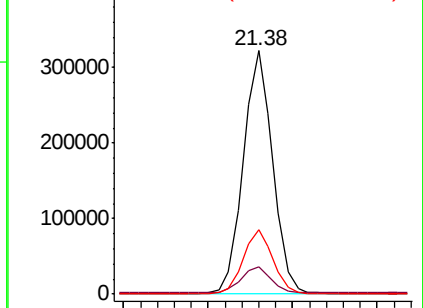
236 26.4 21.2 31.8

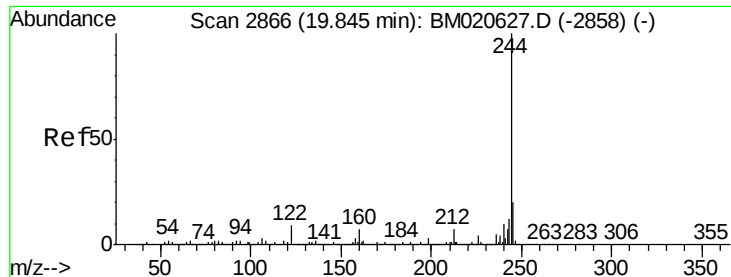


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

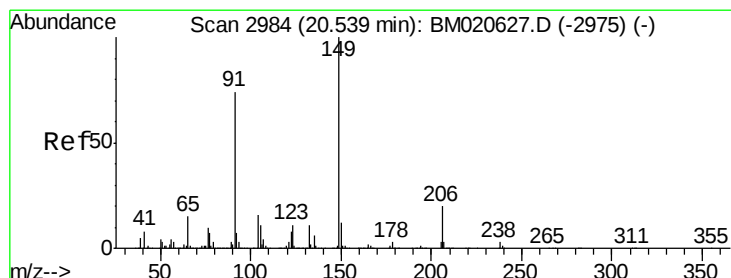
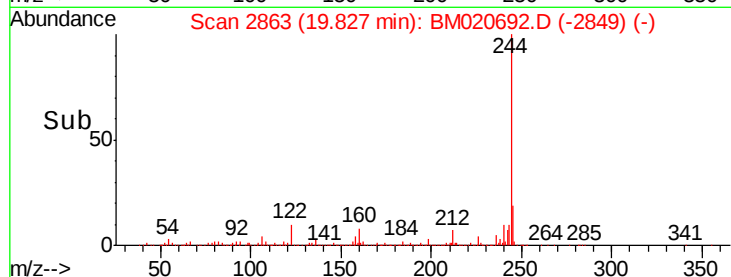
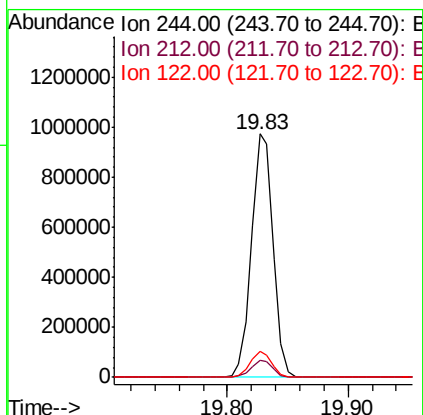
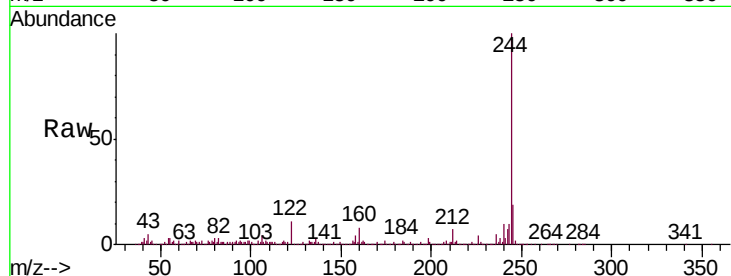




#79
 Terphenyl-d14
 Concen: 52.093 ng
 RT: 19.83 min Scan# 2863
 Delta R.T. -0.02 min
 Lab File: BM020692.D
 Acq: 04 Jun 2019 06:30

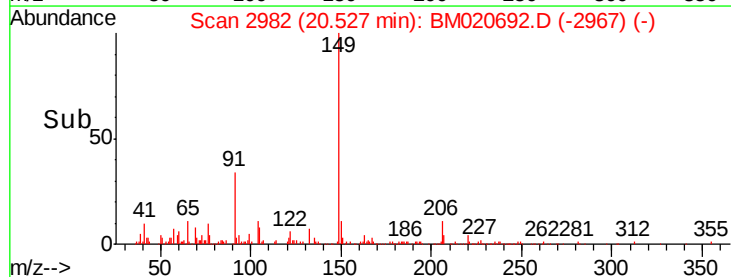
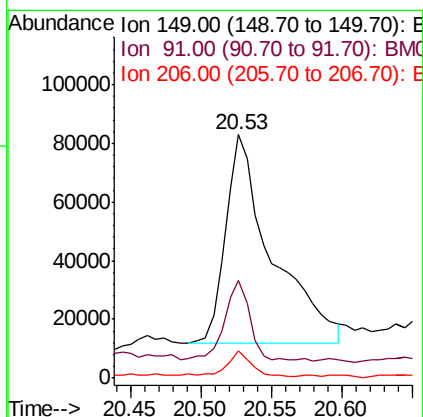
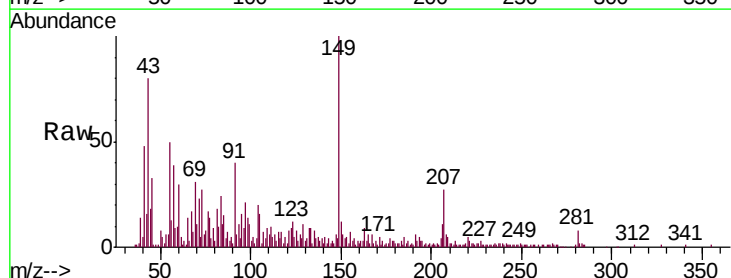
Instrument :
 BNA_M
 ClientSampleId :
 IRONBOUND-BRICKRE

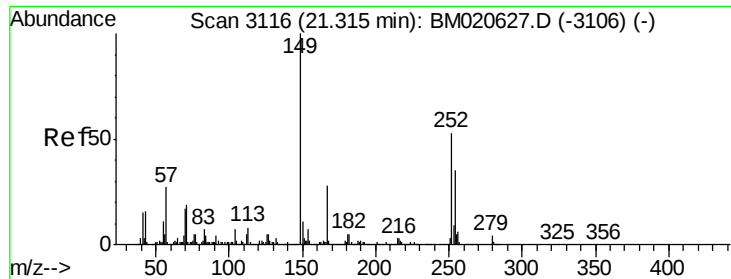
Tgt Ion:244 Resp: 1211862
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.7 8.5
 122 10.5 7.2 10.8



#80
 Butylbenzylphthalate
 Concen: 12.739 ng
 RT: 20.53 min Scan# 2982
 Delta R.T. -0.01 min
 Lab File: BM020692.D
 Acq: 04 Jun 2019 06:30

Tgt Ion:149 Resp: 160752
 Ion Ratio Lower Upper
 149 100
 91 40.1 59.6 89.4#
 206 11.1 15.7 23.5#





#84

Bis(2-ethylhexyl)phthalate

Concen: 19.915 ng

RT: 21.30 min Scan# 3113

Delta R.T. -0.02 min

Lab File: BM020692.D

Acq: 04 Jun 2019 06:30

Instrument :

BNA_M

ClientSampleId :

IRONBOUND-BRICKRE

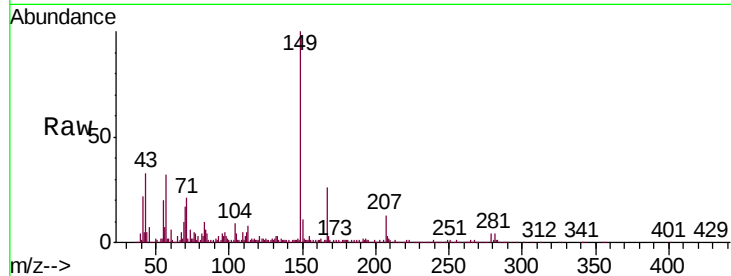
Tgt Ion:149 Resp: 365245

Ion Ratio Lower Upper

149 100

167 25.8 22.1 33.1

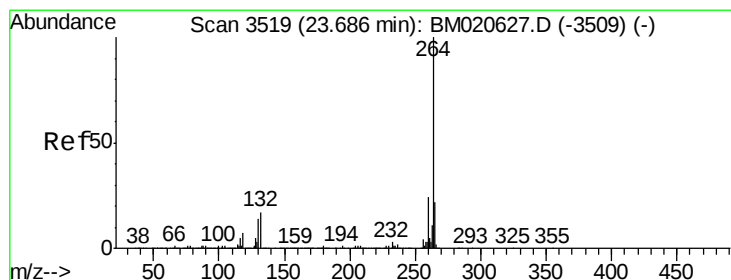
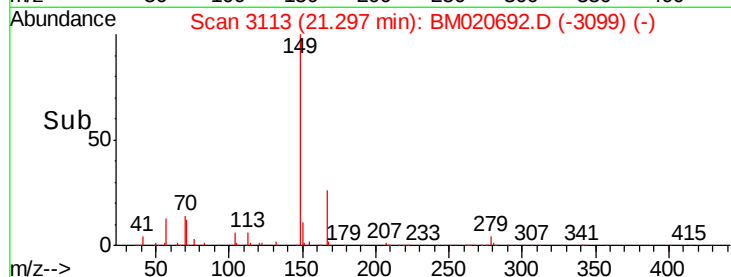
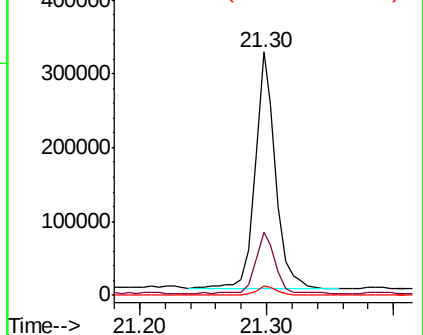
279 3.9 3.4 5.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 23.67 min Scan# 3516

Delta R.T. -0.02 min

Lab File: BM020692.D

Acq: 04 Jun 2019 06:30

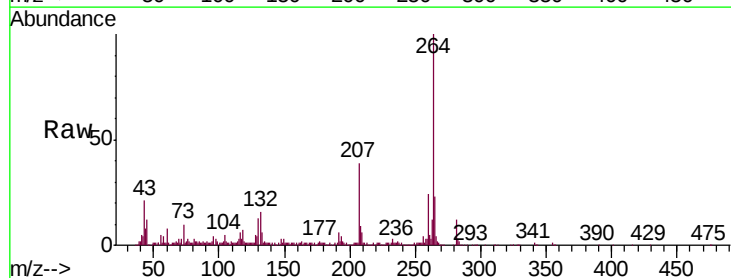
Tgt Ion:264 Resp: 407756

Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

265 22.6 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

