

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060820\
 Data File : BM026293.D
 Acq On : 08 Jun 2020 18:57
 Operator : JU/CG
 Sample : L2893-01RE 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SP-2ARE

Quant Time: Jun 09 01:24:17 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM060520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 08 15:00:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.45	152	273151	20.00	ng	0.00
21) Naphthalene-d8	10.21	136	1165206	20.00	ng	0.00
39) Acenaphthene-d10	14.10	164	726541	20.00	ng	0.00
64) Phenanthrene-d10	16.85	188	1317491	20.00	ng	0.00
76) Chrysene-d12	21.06	240	1037291	20.00	ng	0.00
86) Perylene-d12	23.17	264	1077365	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.08	112	773431	50.06	ng	0.00
7) Phenol-d6	6.65	99	1116921	49.93	ng	0.00
23) Nitrobenzene-d5	8.59	82	758397	31.96	ng	0.00
42) 2,4,6-Tribromophenol	15.60	330	395599	44.95	ng	0.01
45) 2-Fluorobiphenyl	12.71	172	1566561	32.73	ng	0.00
79) Terphenyl-d14	19.50	244	1817674	34.02	ng	0.00

Target Compounds

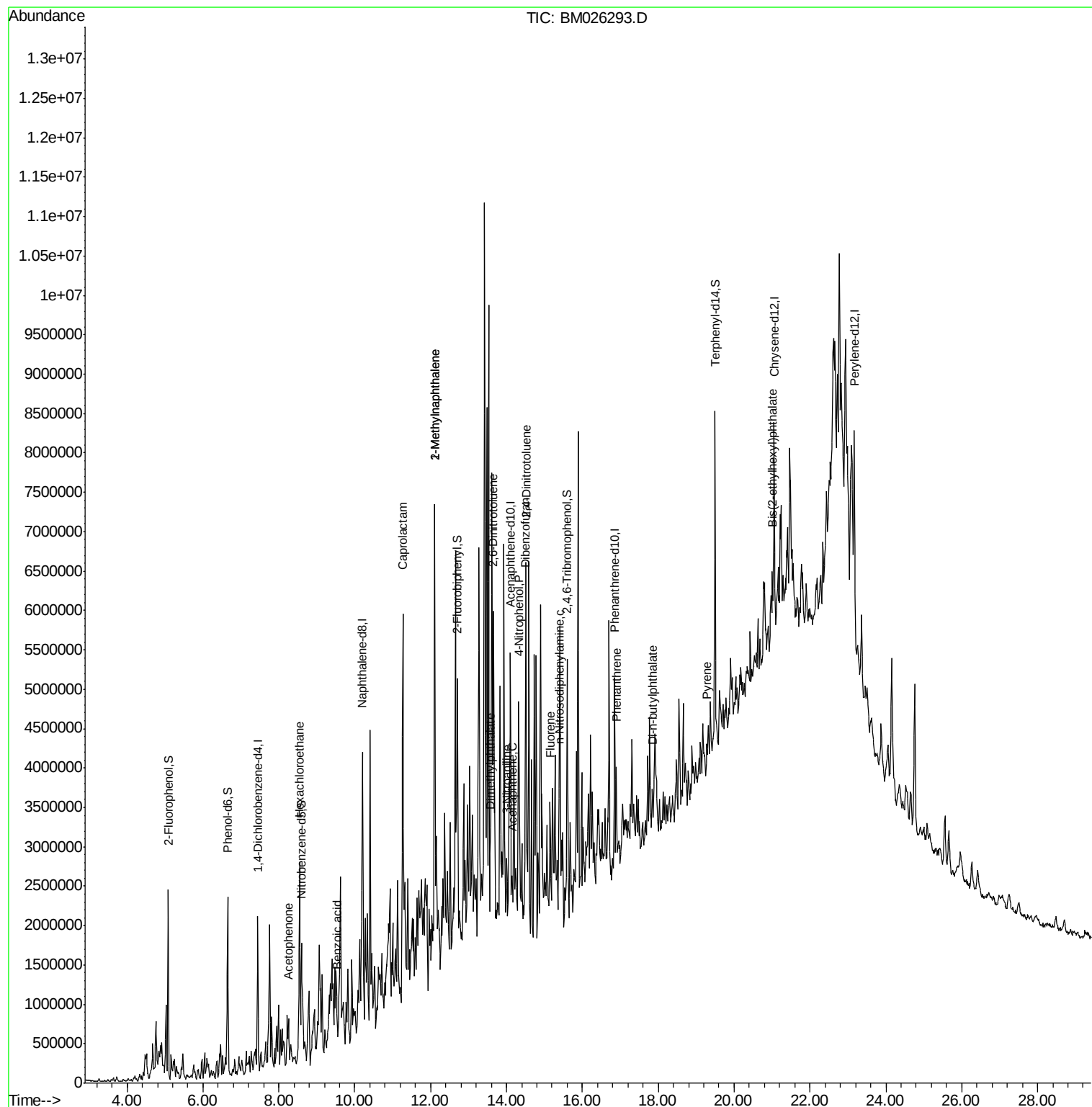
						Qvalue
18) Hexachloroethane	8.55	117	209170	27.484	ng	# 1
22) Acetophenone	8.25	105	65748	2.194	ng	# 56
32) Benzoic acid	9.54	122	2029	5.308	ng	# 1
35) Caprolactam	11.27	113	172060	28.759	ng	# 66
37) 2-Methylnaphthalene	12.11	142	2410662	57.612	ng	96
38) 1-Methylnaphthalene	12.11	142	2416404	60.962	ng	100
50) Dimethylphthalate	13.57	163	173932	3.273	ng	# 93
51) 2,6-Dinitrotoluene	13.66	165	28469	2.441	ng	# 1
52) Acenaphthene	14.16	154	114783	2.889	ng	96
53) 3-Nitroaniline	14.01	138	34554	2.661	ng	# 12
55) Dibenzofuran	14.50	168	174832	2.731	ng	# 10
56) 4-Nitrophenol	14.33	139	116665	11.330	ng	# 47
57) 2,4-Dinitrotoluene	14.52	165	99226	6.120	ng	# 55
58) Fluorene	15.16	166	245869	4.729	ng	# 85
66) n-Nitrosodiphenylamine	15.38	169	490041	12.839	ng	# 40
71) Phenanthrene	16.89	178	558221	8.136	ng	# 94
74) Di-n-butylphthalate	17.84	149	261067	3.409	ng	# 93
78) Pyrene	19.28	202	170959	2.494	ng	# 89
84) Bis(2-ethylhexyl)phthalate	21.00	149	245408	6.210	ng	# 94

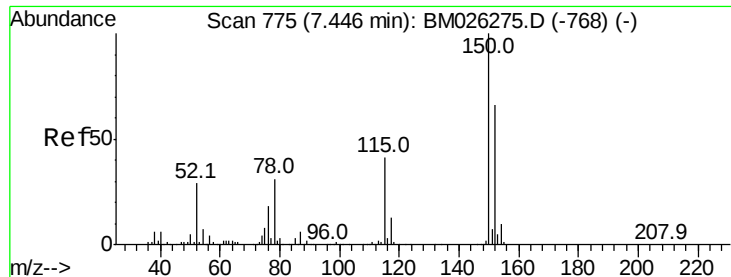
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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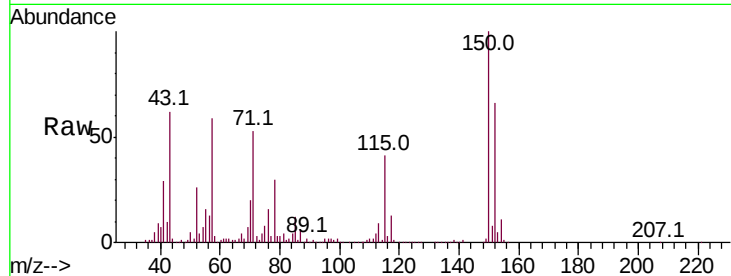


#1

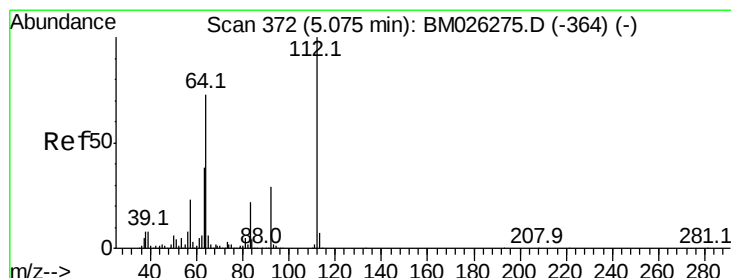
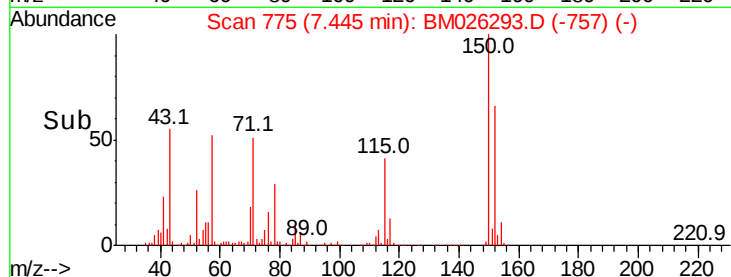
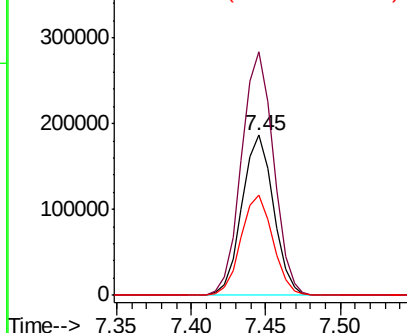
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.45 min Scan# 775
Delta R.T. 0.01 min
Lab File: BM026293.D
Acq: 08 Jun 2020 18:57

Instrument :
BNA_M
ClientSampleId :
SP-2ARE

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.1	122.1	183.1
115	63.0	49.7	74.5



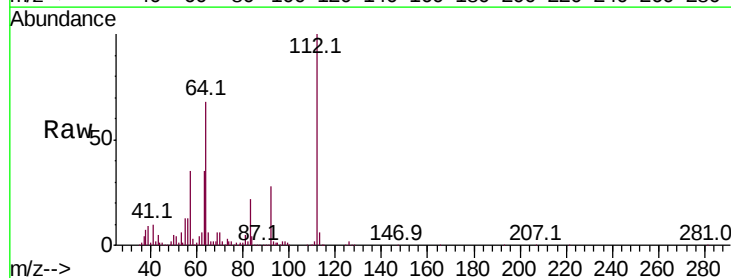
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



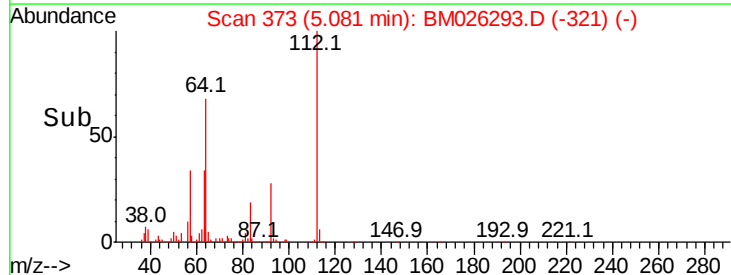
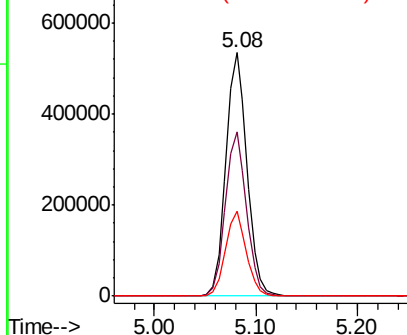
#5

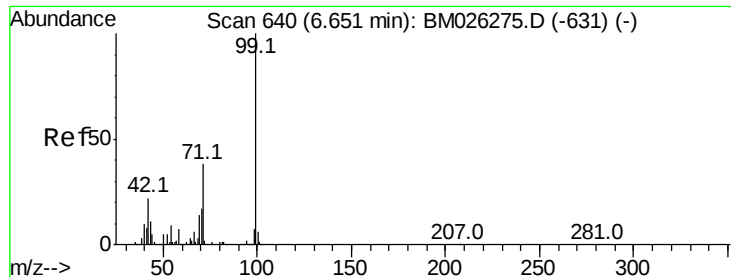
2-Fluorophenol
Concen: 50.062 ng
RT: 5.08 min Scan# 373
Delta R.T. 0.01 min
Lab File: BM026293.D
Acq: 08 Jun 2020 18:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.7	58.1	87.1
63	34.7	30.6	45.8



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: 49.926 ng

RT: 6.65 min Scan# 640

Delta R.T. 0.01 min

Lab File: BM026293.D

Acq: 08 Jun 2020 18:57

Instrument :

BNA_M

ClientSampleId :

SP-2ARE

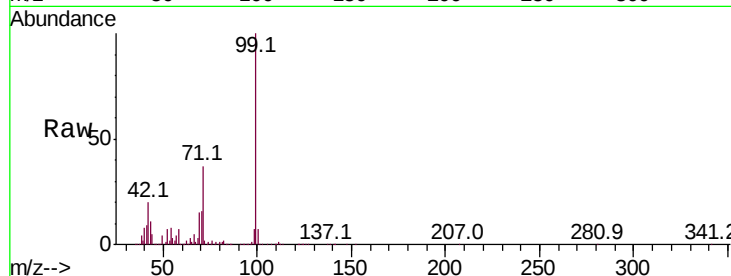
Tot Ion: 99 Resp: 1116921

Ion Ratio Lower Upper

99 100

42 20.3 18.0 27.0

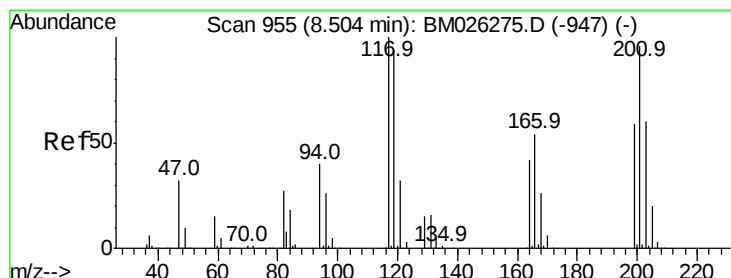
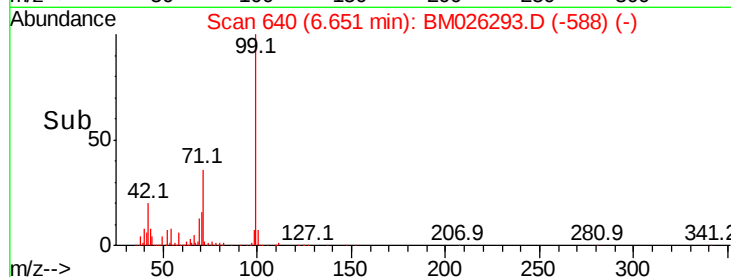
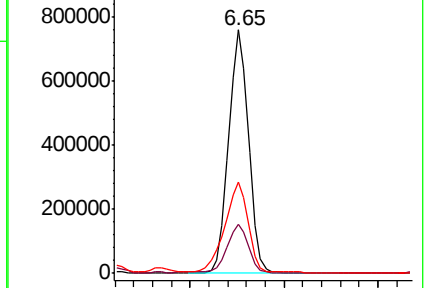
71 37.4 30.6 45.8



Abundance Ion 99.00 (98.70 to 99.70): BM026275.D (-631) (-)

Ion 42.00 (41.70 to 42.70): BM026275.D (-631) (-)

Ion 71.00 (70.70 to 71.70): BM026275.D (-631) (-)



#18

Hexachloroethane

Concen: 27.484 ng

RT: 8.55 min Scan# 962

Delta R.T. 0.05 min

Lab File: BM026293.D

Acq: 08 Jun 2020 18:57

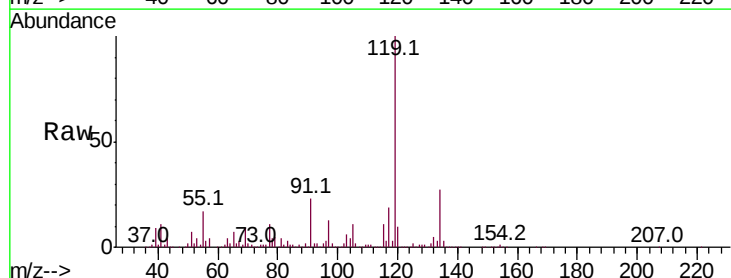
Tgt Ion: 117 Resp: 209170

Ion Ratio Lower Upper

117 100

119 513.5 75.5 113.3#

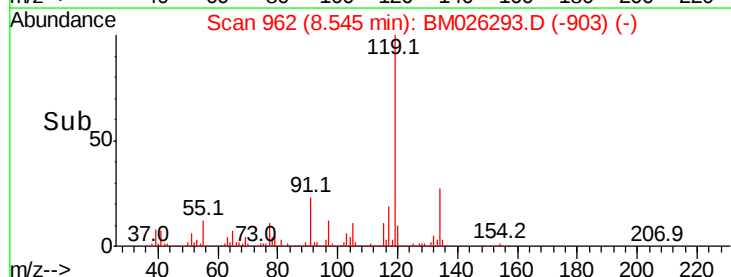
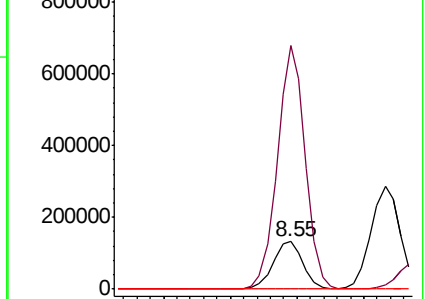
201 0.0 76.5 114.7#

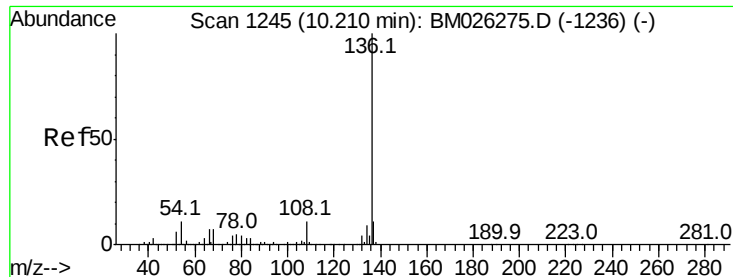


Abundance Ion 117.00 (116.70 to 117.70): BM026293.D (-903) (-)

Ion 119.00 (118.70 to 119.70): BM026293.D (-903) (-)

Ion 201.00 (200.70 to 201.70): BM026293.D (-903) (-)

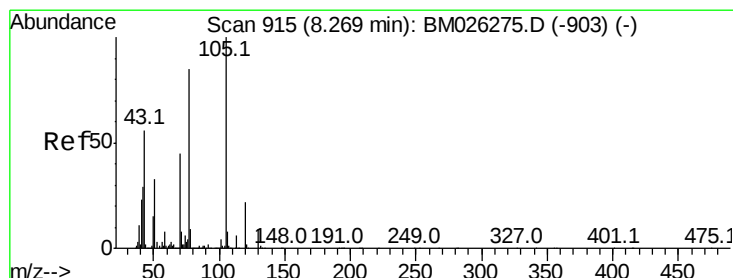
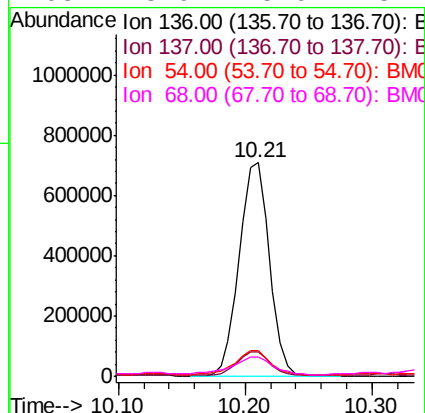
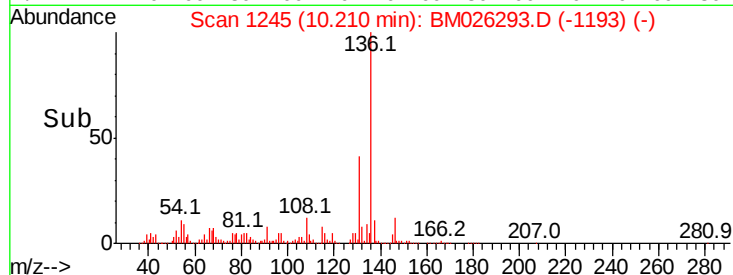
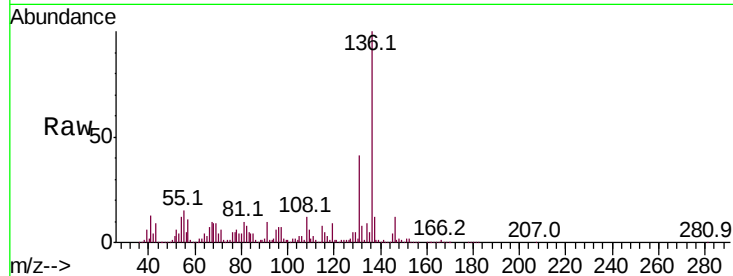




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.21 min Scan# 1245
Delta R.T. 0.01 min
Lab File: BM026293.D
Acq: 08 Jun 2020 18:57

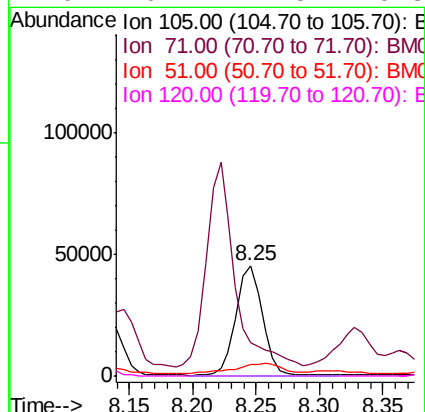
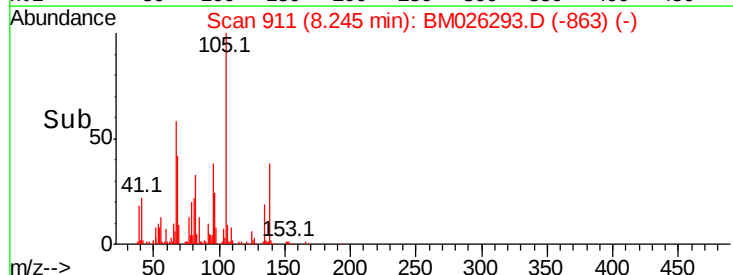
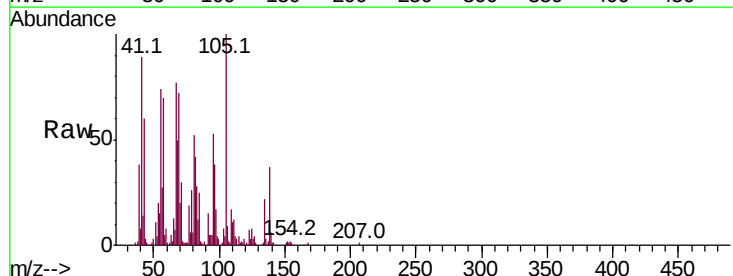
Instrument :
BNA_M
ClientSampleId :
SP-2ARE

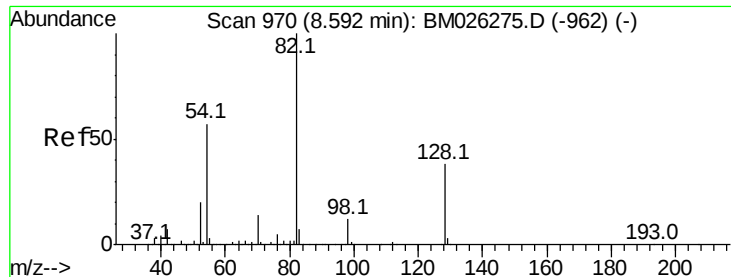
Tot Ion:136	Resp: 1165206
Ion Ratio	Lower Upper
136 100	
137 11.5	8.6 13.0
54 12.0	9.0 13.4
68 8.9	5.6 8.4#



#22
Acetophenone
Concen: 2.194 ng
RT: 8.25 min Scan# 911
Delta R.T. -0.02 min
Lab File: BM026293.D
Acq: 08 Jun 2020 18:57

Tgt	Ion:105	Resp:	65748
Ion	Ratio	Lower	Upper
105	100		
71	30.4	6.1	9.1#
51	10.6	26.2	39.2#
120	0.4	17.5	26.3#

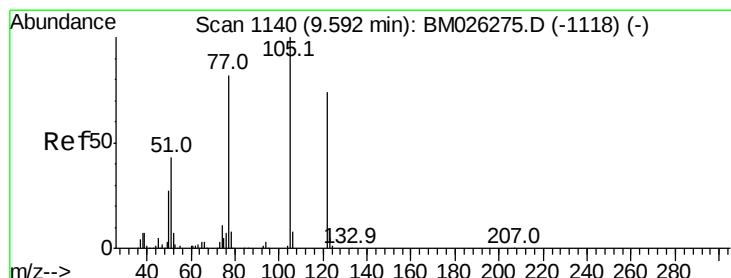
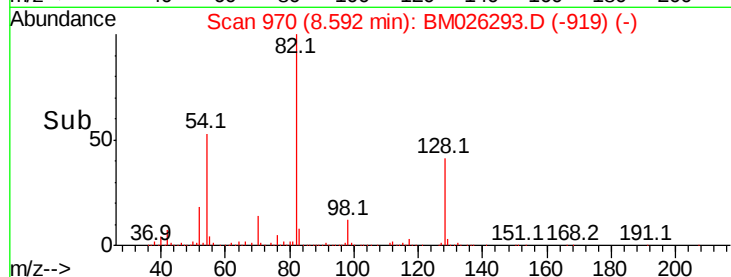
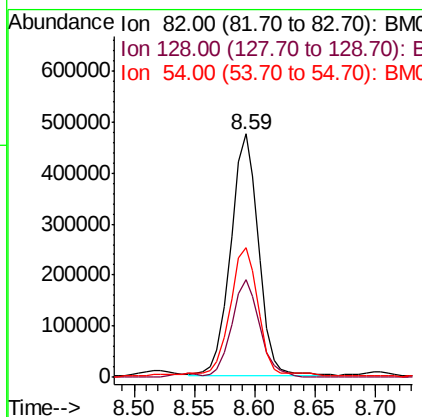
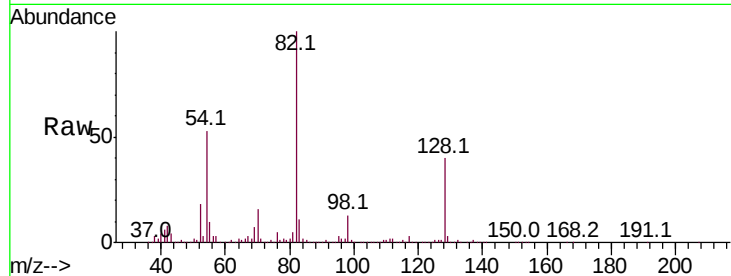




#23
Nitrobenzene-d5
Concen: 31.958 ng
RT: 8.59 min Scan# 970
Delta R.T. 0.00 min
Lab File: BM026293.D
Acq: 08 Jun 2020 18:57

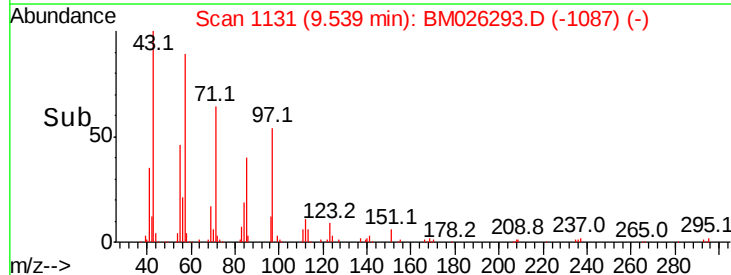
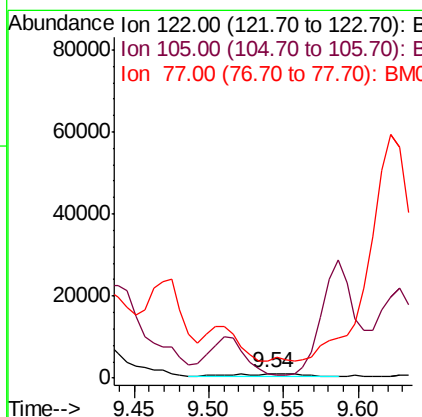
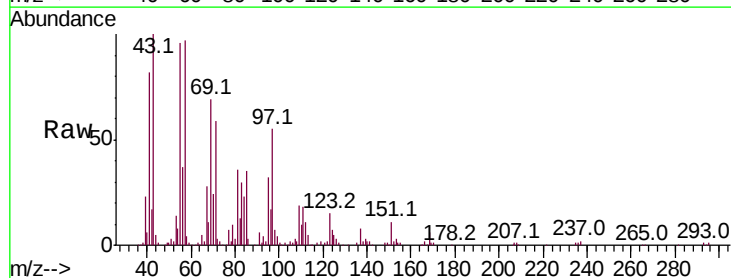
Instrument :
BNA_M
ClientSampleId :
SP-2ARE

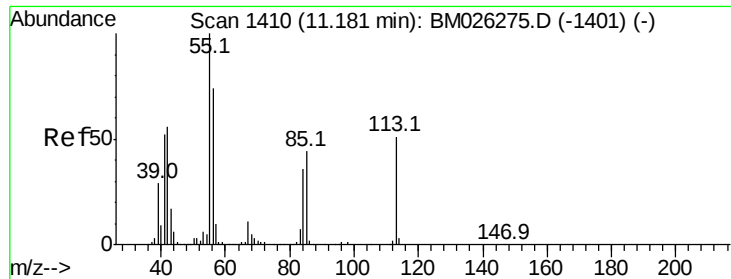
Tot Ion	Ratio	Lower	Upper
82	100		
128	40.1	30.3	45.5
54	53.3	45.4	68.2



#32
Benzoic acid
Concen: 5.308 ng
RT: 9.54 min Scan# 1131
Delta R.T. -0.04 min
Lab File: BM026293.D
Acq: 08 Jun 2020 18:57

Tgt Ion	Ratio	Lower	Upper
122	100		
105	98.1	112.4	152.4#
77	378.6	89.8	129.8#





#35

Caprolactam

Concen: 28.759 ng

RT: 11.27 min Scan# 1425

Delta R.T. 0.10 min

Lab File: BM026293.D

Acq: 08 Jun 2020 18:57

Instrument :

BNA_M

ClientSampled :

SP-2ARE

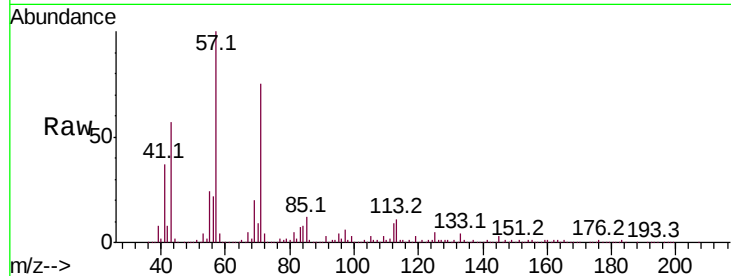
Tot Ion:113 Resp: 172060

Ion Ratio Lower Upper

113 100

55 232.1 176.8 216.8#

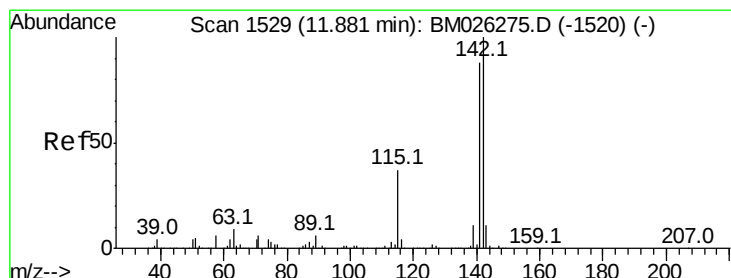
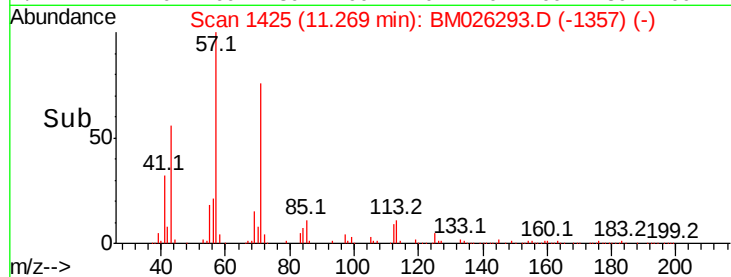
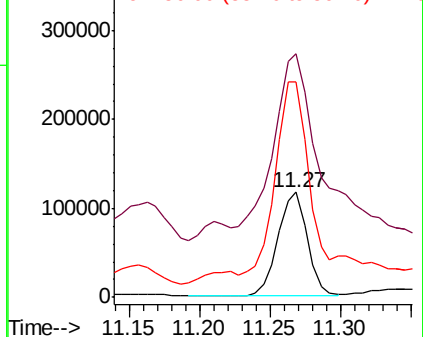
56 205.7 124.8 164.8#



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



#37

2-Methylnaphthalene

Concen: 57.612 ng

RT: 12.11 min Scan# 1568

Delta R.T. 0.24 min

Lab File: BM026293.D

Acq: 08 Jun 2020 18:57

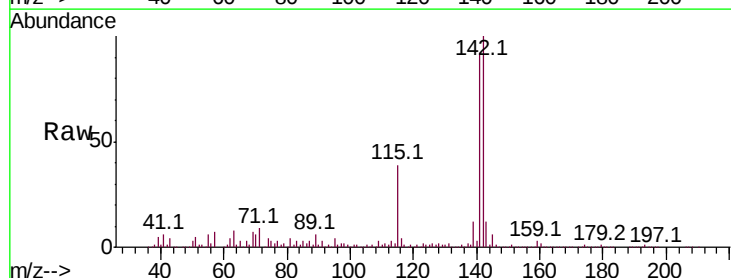
Tgt Ion:142 Resp: 2410662

Ion Ratio Lower Upper

142 100

141 91.7 70.7 106.1

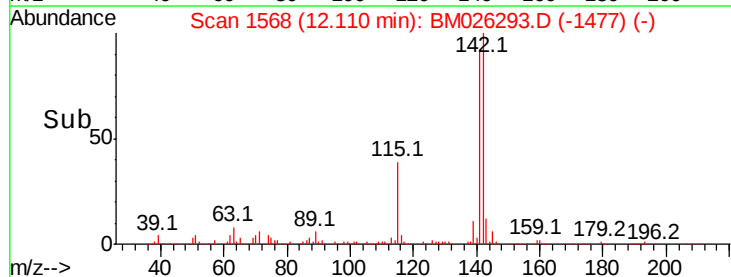
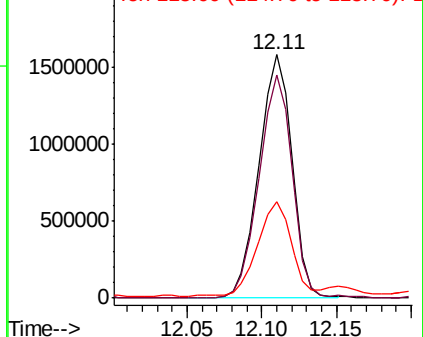
115 39.5 29.7 44.5

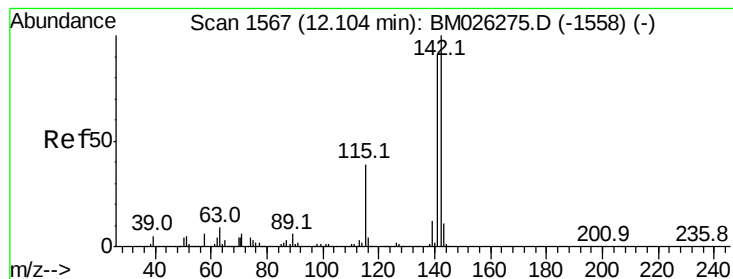


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#38

1-Methylnaphthalene

Concen: 60.962 ng

RT: 12.11 min Scan# 1568

Delta R.T. 0.01 min

Lab File: BM026293.D

Acq: 08 Jun 2020 18:57

Instrument :

BNA_M

ClientSampleId :

SP-2ARE

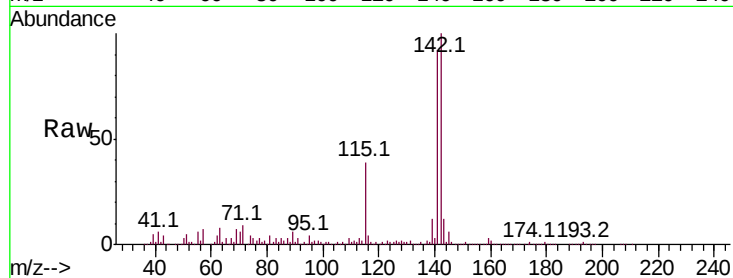
Tot Ion:142 Resp: 2416404

Ion Ratio Lower Upper

142 100

141 91.7 73.1 109.7

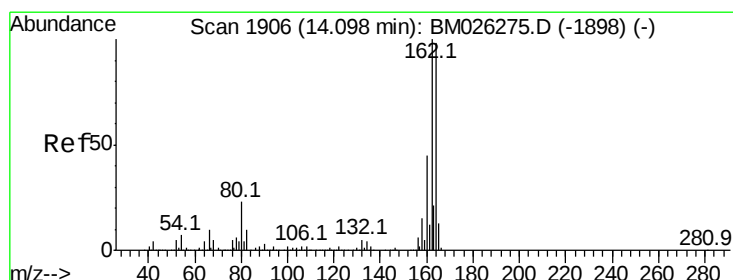
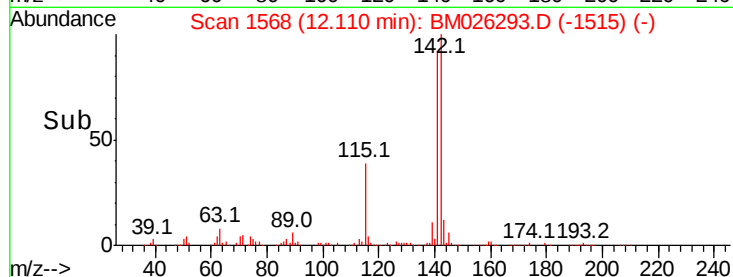
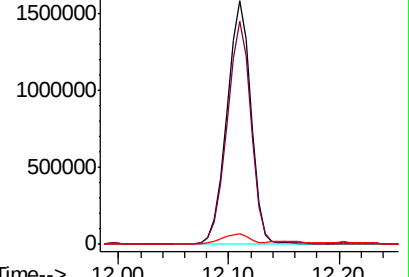
116 4.5 3.4 5.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.10 min Scan# 1906

Delta R.T. 0.01 min

Lab File: BM026293.D

Acq: 08 Jun 2020 18:57

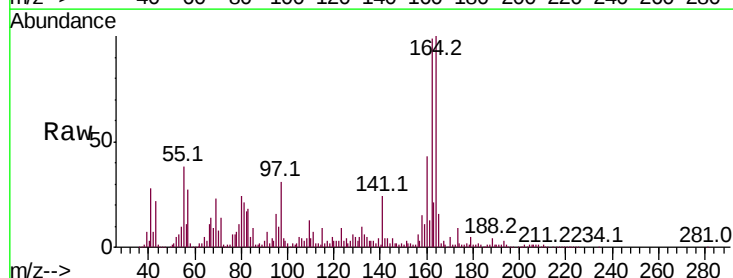
Tgt Ion:164 Resp: 726541

Ion Ratio Lower Upper

164 100

162 98.9 81.4 122.2

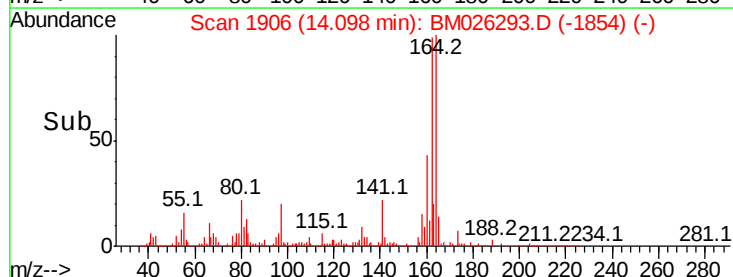
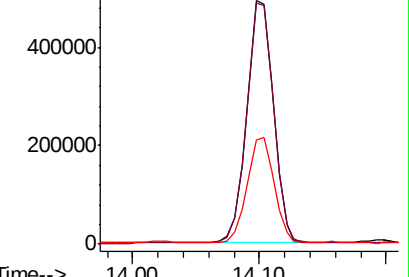
160 43.0 36.4 54.6

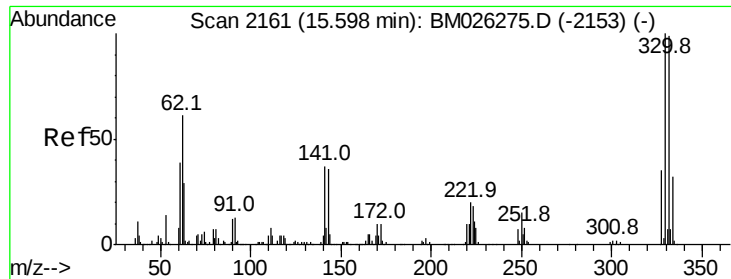


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

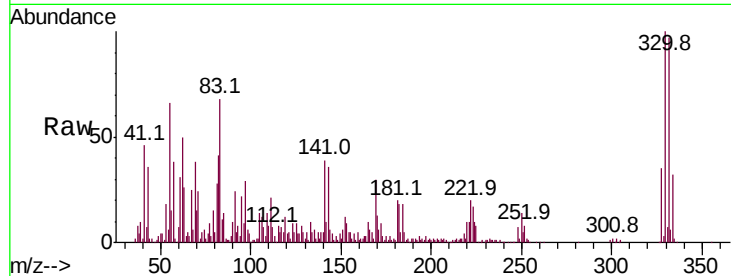




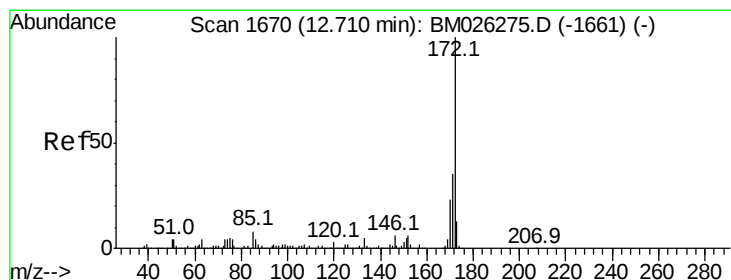
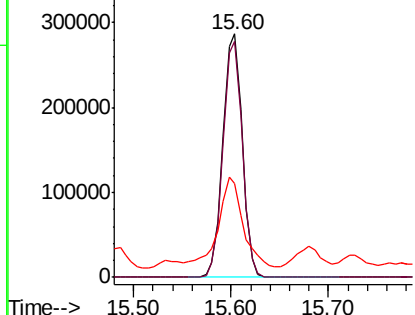
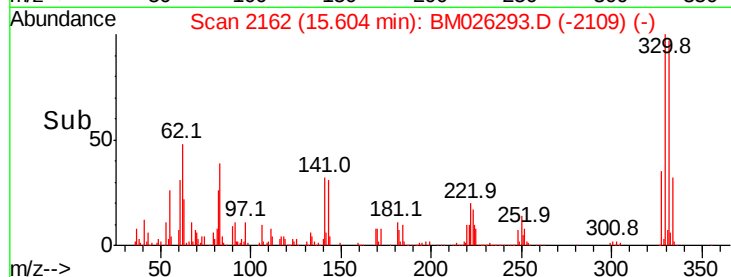
#42
 2,4,6-Tribromophenol
 Concen: 44.950 ng
 RT: 15.60 min Scan# 2162
 Delta R.T. 0.01 min
 Lab File: BM026293.D
 Acq: 08 Jun 2020 18:57

Instrument :
 BNA_M
 ClientSampleId :
 SP-2ARE

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	78.1	117.1
141	46.5	30.0	45.0#

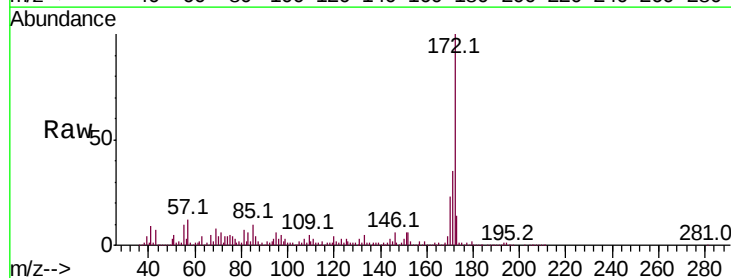


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

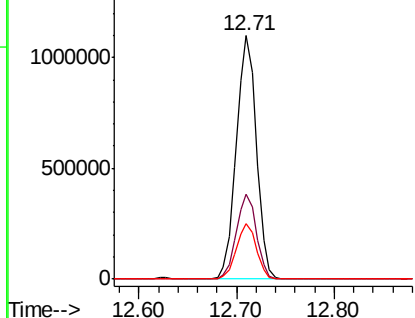
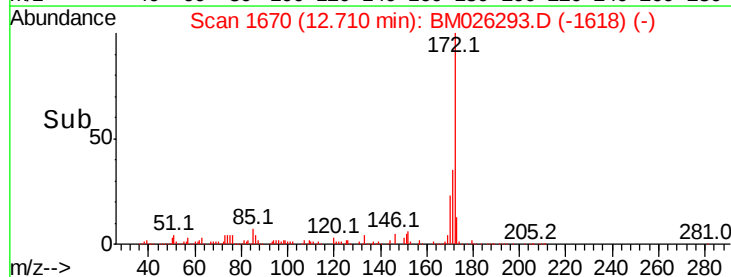


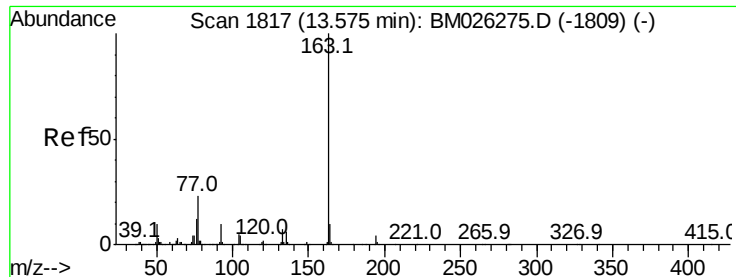
#45
 2-Fluorobiphenyl
 Concen: 32.730 ng
 RT: 12.71 min Scan# 1670
 Delta R.T. 0.01 min
 Lab File: BM026293.D
 Acq: 08 Jun 2020 18:57

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.2	42.2
170	22.6	18.3	27.5



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: 3.273 ng

RT: 13.57 min Scan# 1816

Delta R.T. 0.00 min

Lab File: BM026293.D

Acq: 08 Jun 2020 18:57

Instrument :

BNA_M

ClientSampleId :

SP-2ARE

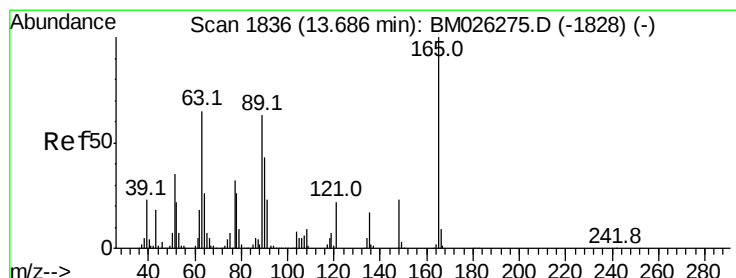
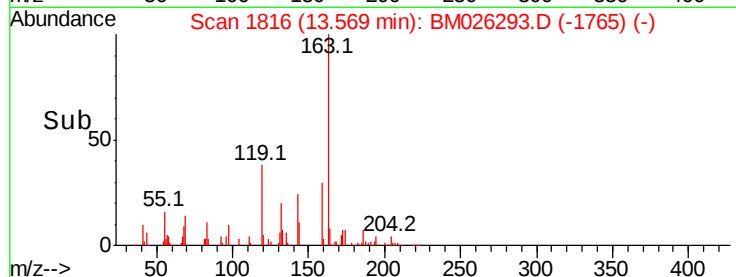
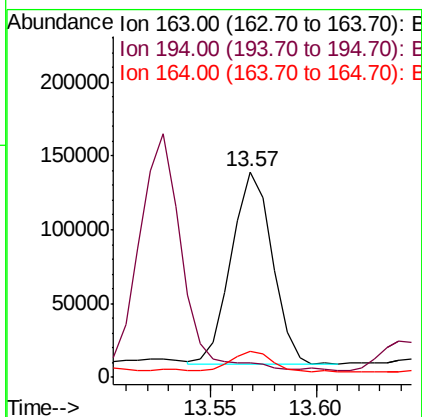
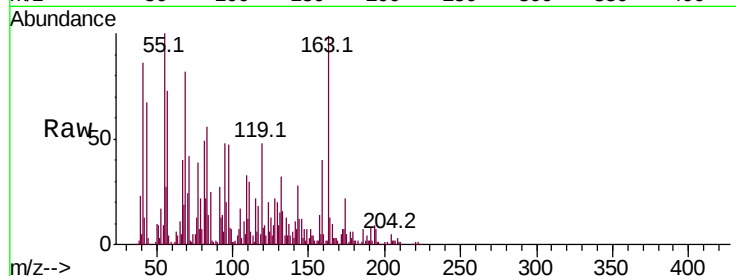
Tot Ion:163 Resp: 173932

Ion Ratio Lower Upper

163 100

194 6.8 3.4 5.2#

164 12.7 8.0 12.0#



#51

2,6-Dinitrotoluene

Concen: 2.441 ng

RT: 13.66 min Scan# 1831

Delta R.T. -0.02 min

Lab File: BM026293.D

Acq: 08 Jun 2020 18:57

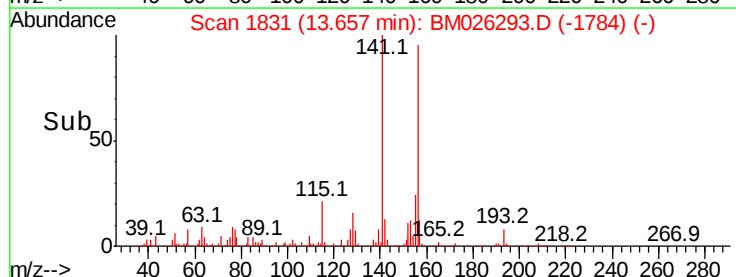
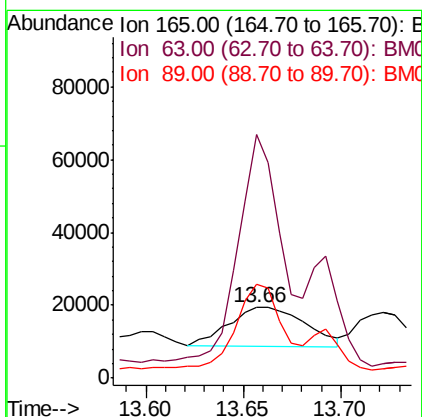
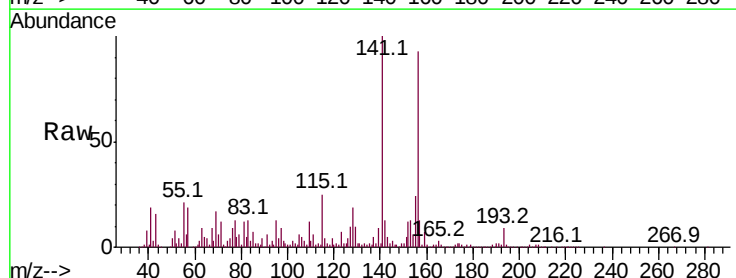
Tgt Ion:165 Resp: 28469

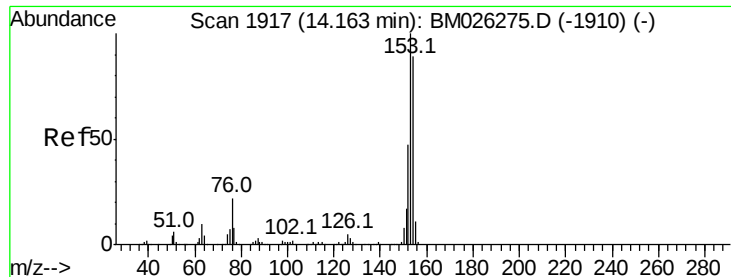
Ion Ratio Lower Upper

165 100

63 344.3 55.0 82.4#

89 133.6 50.0 75.0#





#52

Acenaphthene

Concen: 2.889 ng

RT: 14.16 min Scan# 1917

Delta R.T. 0.01 min

Lab File: BM026293.D

Acq: 08 Jun 2020 18:57

Instrument :

BNA_M

ClientSampled :

SP-2ARE

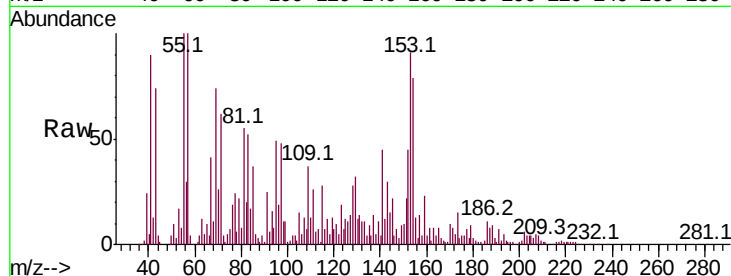
Tot Ion:154 Resp: 114783

Ion Ratio Lower Upper

154 100

153 114.6 89.6 134.4

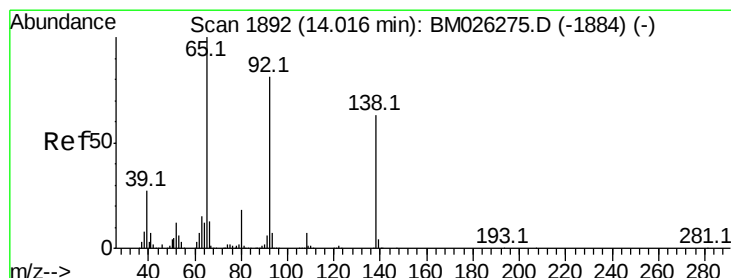
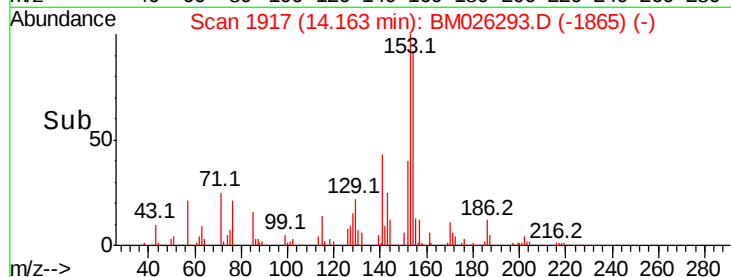
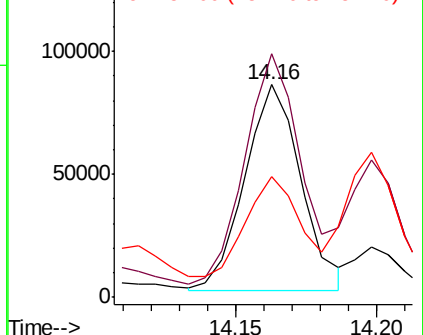
152 56.9 42.1 63.1



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



#53

3-Nitroaniline

Concen: 2.661 ng

RT: 14.01 min Scan# 1891

Delta R.T. 0.00 min

Lab File: BM026293.D

Acq: 08 Jun 2020 18:57

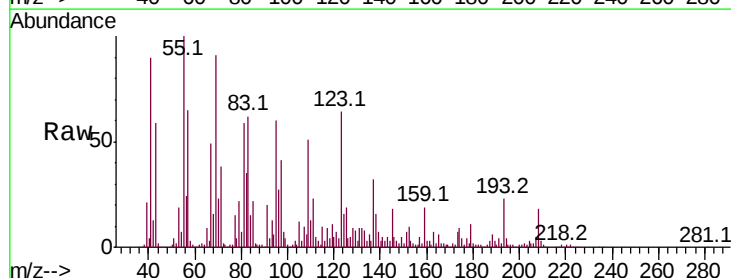
Tgt Ion:138 Resp: 34554

Ion Ratio Lower Upper

138 100

108 34.8 9.4 14.0#

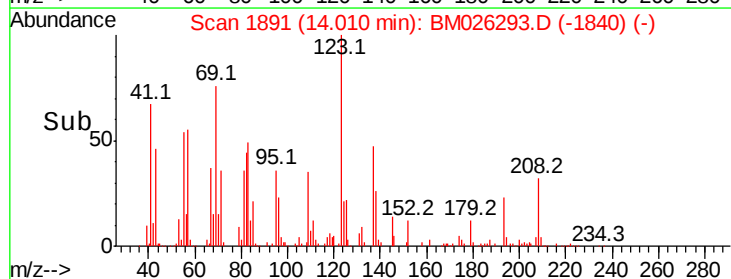
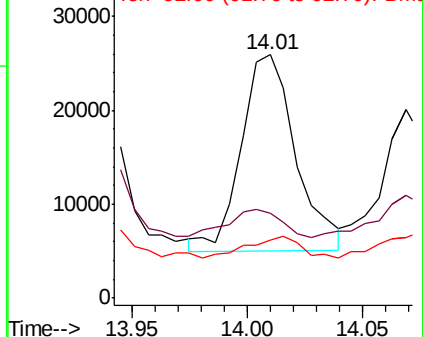
92 23.6 103.1 154.7#

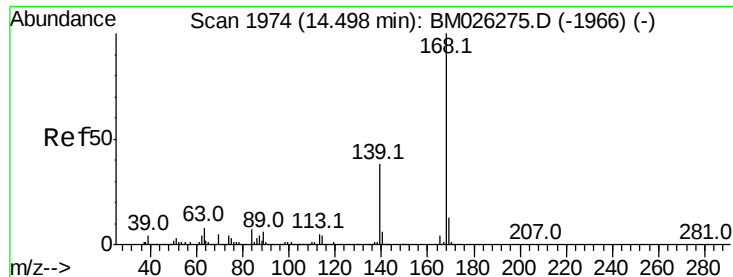


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): E

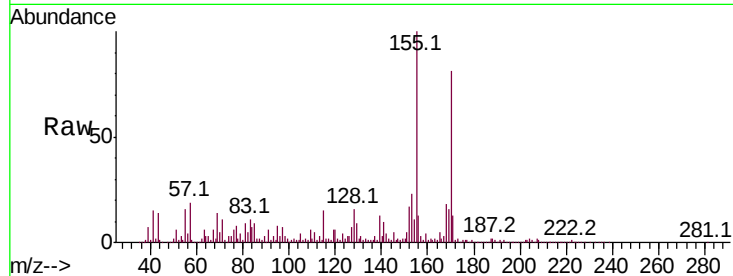




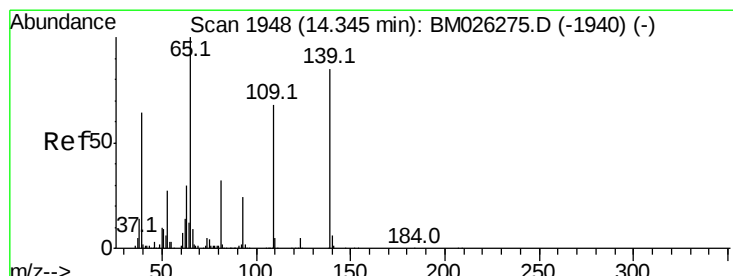
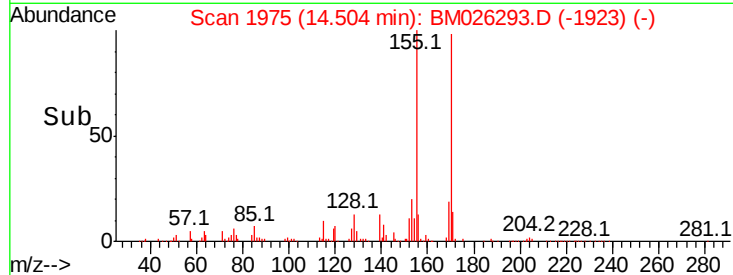
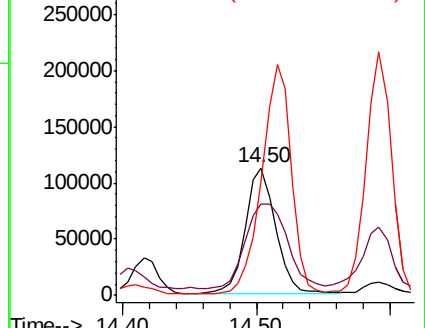
#55
Dibenzofuran
Concen: 2.731 ng
RT: 14.50 min Scan# 1975
Delta R.T. 0.01 min
Lab File: BM026293.D
Acq: 08 Jun 2020 18:57

Instrument :
BNA_M
ClientSampleId :
SP-2ARE

Tot Ion:168 Resp: 174832
Ion Ratio Lower Upper
168 100
139 72.1 30.7 46.1#
169 88.6 10.5 15.7#

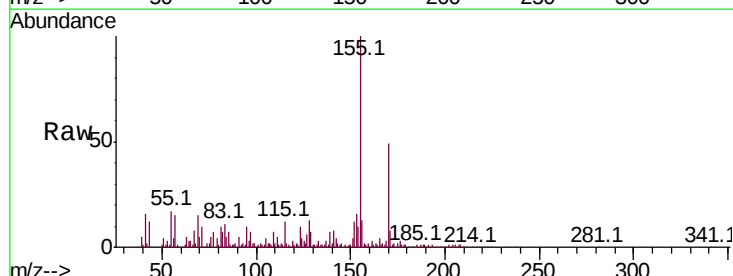


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

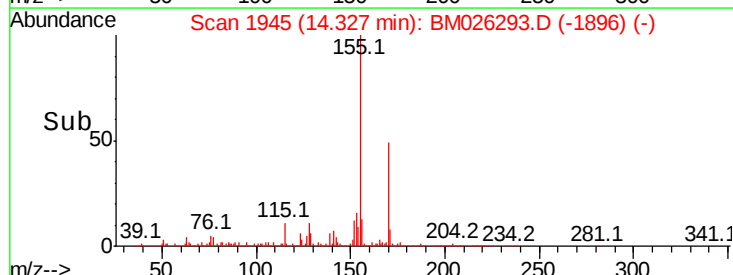
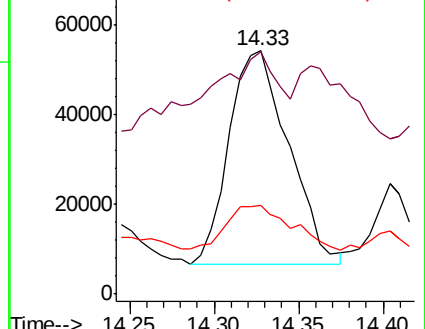


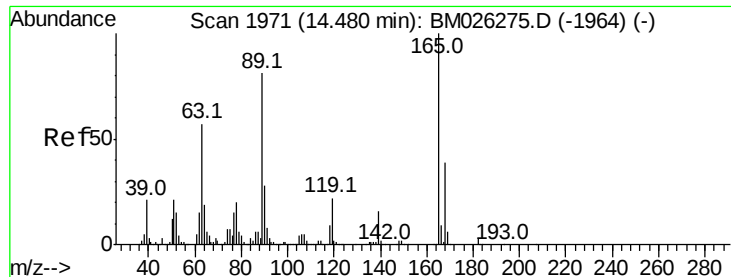
#56
4-Nitrophenol
Concen: 11.330 ng
RT: 14.33 min Scan# 1945
Delta R.T. -0.01 min
Lab File: BM026293.D
Acq: 08 Jun 2020 18:57

Tgt Ion:139 Resp: 116665
Ion Ratio Lower Upper
139 100
109 99.6 59.9 99.9
65 36.6 97.8 137.8#



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

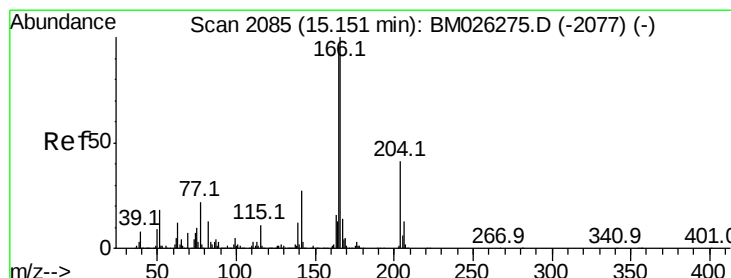
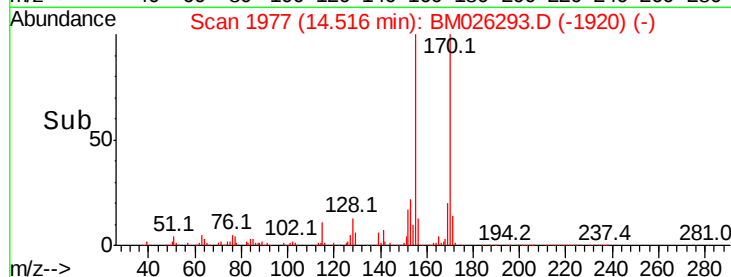
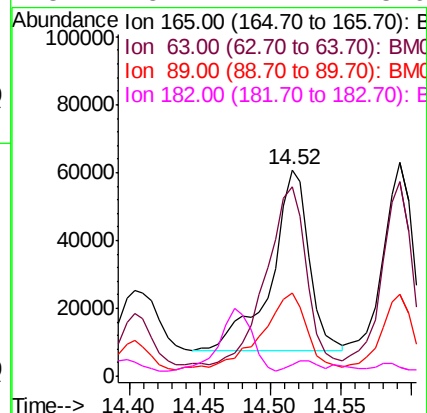
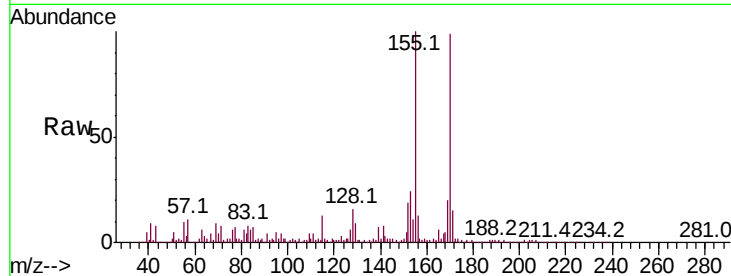




#57
2,4-Dinitrotoluene
Concen: 6.120 ng
RT: 14.52 min Scan# 1977
Delta R.T. 0.04 min
Lab File: BM026293.D
Acq: 08 Jun 2020 18:57

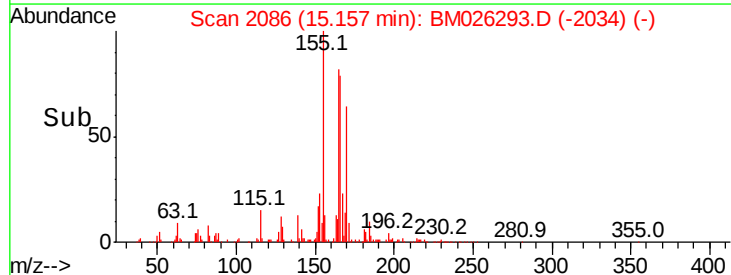
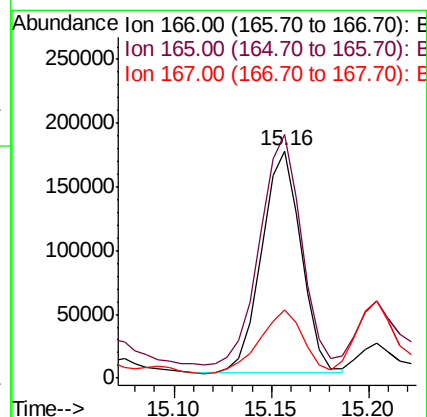
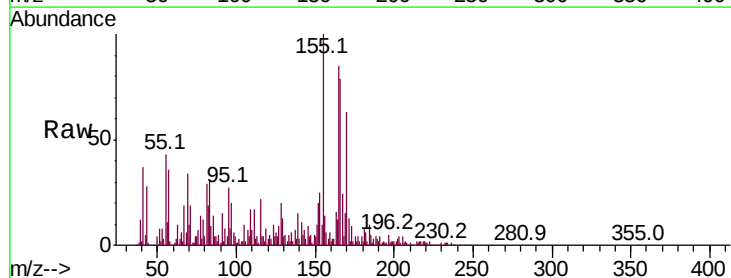
Instrument :
BNA_M
ClientSampleId :
SP-2ARE

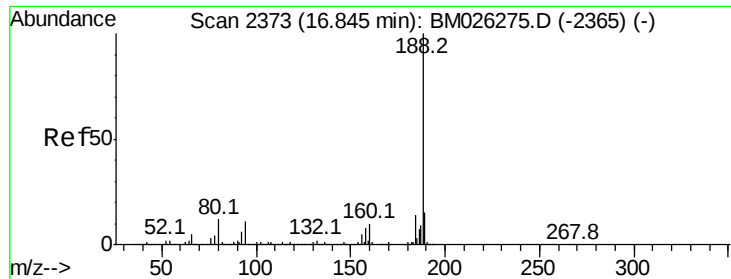
Tot Ion	Ratio	Lower	Upper
165	100		
63	92.1	45.8	68.6#
89	40.4	64.7	97.1#
182	5.7	2.4	3.6#



#58
Fluorene
Concen: 4.729 ng
RT: 15.16 min Scan# 2086
Delta R.T. 0.01 min
Lab File: BM026293.D
Acq: 08 Jun 2020 18:57

Tgt Ion	Ratio	Lower	Upper
166	100		
165	107.1	76.7	115.1
167	30.0	11.0	16.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.85 min Scan# 2374

Delta R.T. 0.01 min

Lab File: BM026293.D

Acq: 08 Jun 2020 18:57

Instrument :

BNA_M

ClientSampleId :

SP-2ARE

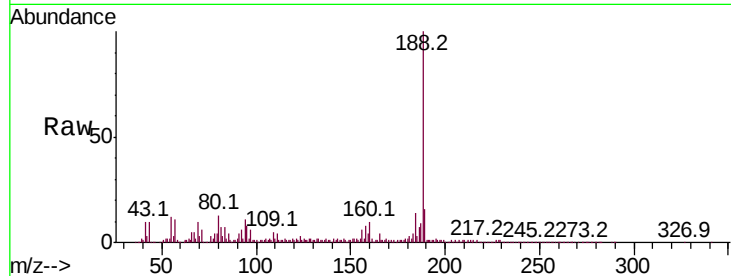
Tot Ion:188 Resp: 1317491

Ion Ratio Lower Upper

188 100

94 11.0 8.6 12.8

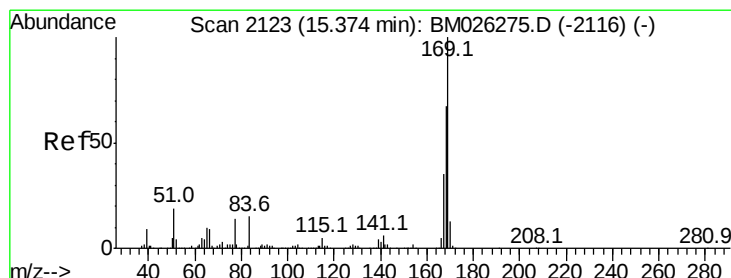
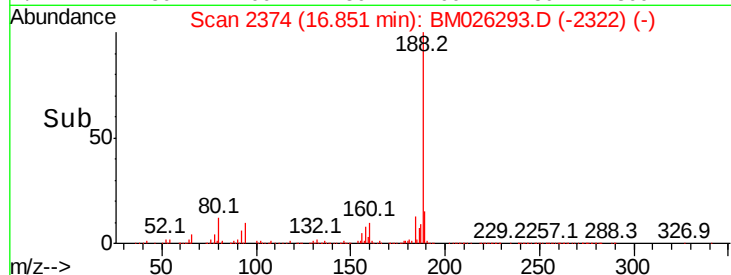
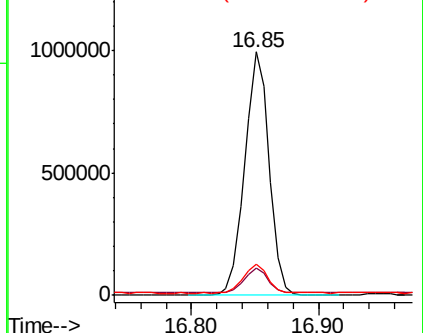
80 12.6 9.7 14.5



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



#66

n-Nitrosodiphenylamine

Concen: 12.839 ng

RT: 15.38 min Scan# 2124

Delta R.T. 0.01 min

Lab File: BM026293.D

Acq: 08 Jun 2020 18:57

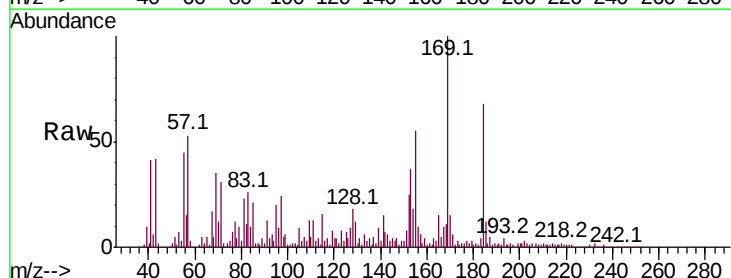
Tgt Ion:169 Resp: 490041

Ion Ratio Lower Upper

169 100

168 11.4 53.4 80.2#

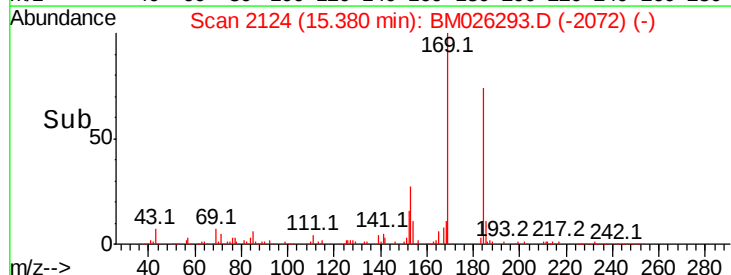
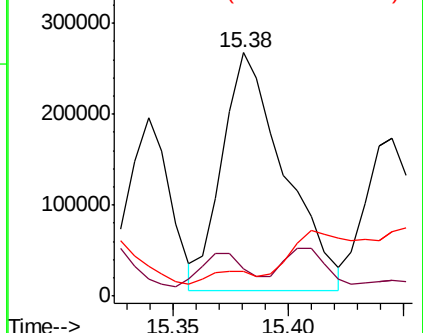
167 9.9 28.3 42.5#

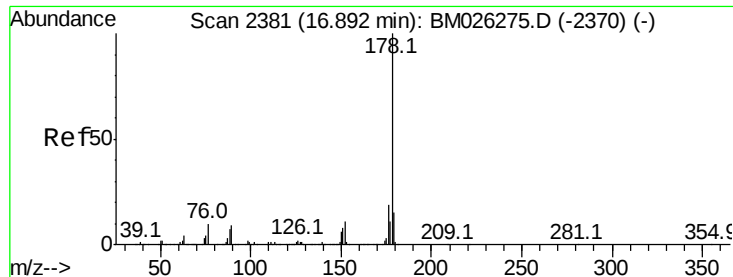


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#71

Phenanthrene

Concen: 8.136 ng

RT: 16.89 min Scan# 2381

Delta R.T. 0.01 min

Lab File: BM026293.D

Acq: 08 Jun 2020 18:57

Instrument :

BNA_M

ClientSampled :

SP-2ARE

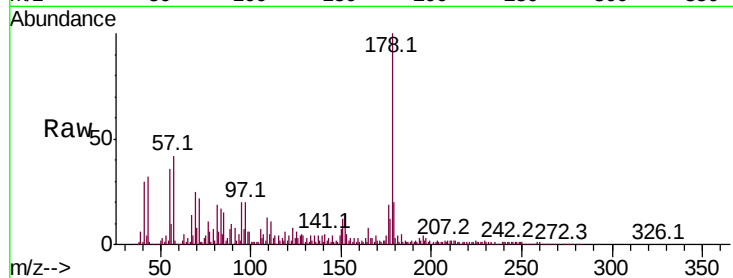
Tot Ion:178 Resp: 558221

Ion Ratio Lower Upper

178 100

176 18.7 14.9 22.3

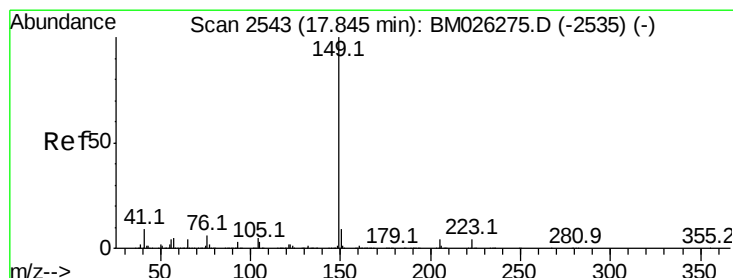
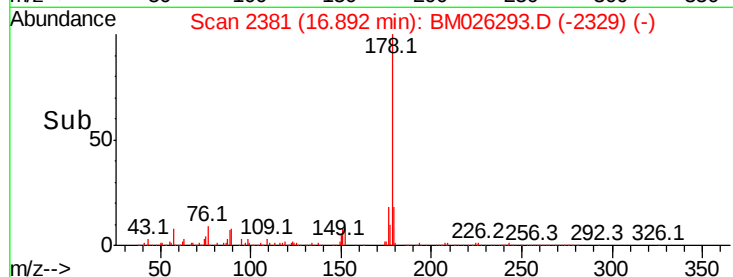
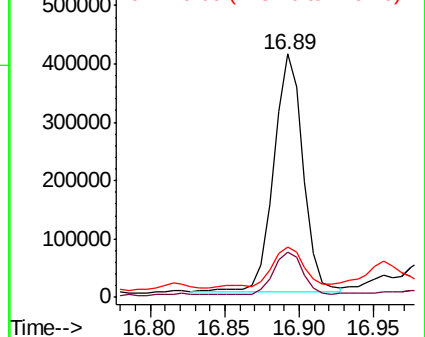
179 20.4 12.0 18.0#



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: 3.409 ng

RT: 17.84 min Scan# 2543

Delta R.T. 0.01 min

Lab File: BM026293.D

Acq: 08 Jun 2020 18:57

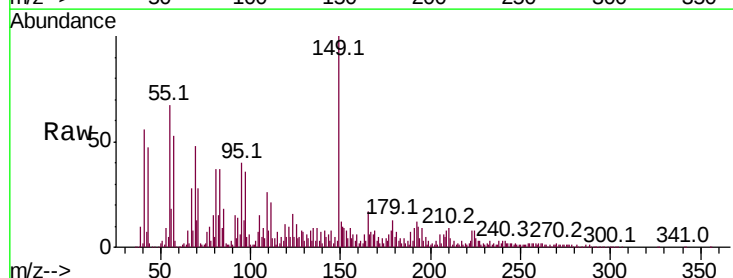
Tgt Ion:149 Resp: 261067

Ion Ratio Lower Upper

149 100

150 12.2 7.1 10.7#

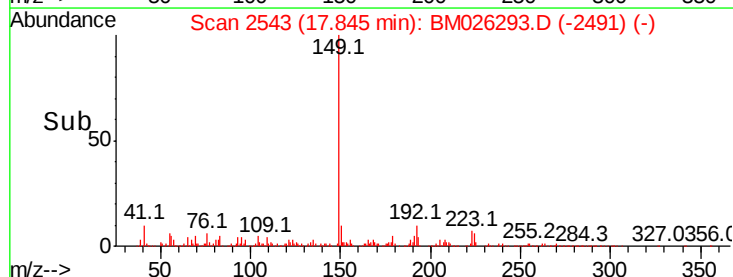
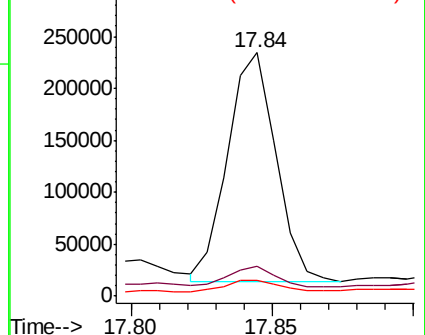
104 6.6 4.3 6.5#

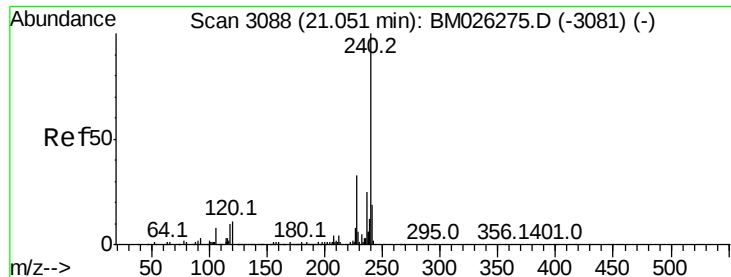


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.06 min Scan# 3089

Delta R.T. 0.01 min

Lab File: BM026293.D

Acq: 08 Jun 2020 18:57

Instrument :

BNA_M

ClientSampleId :

SP-2ARE

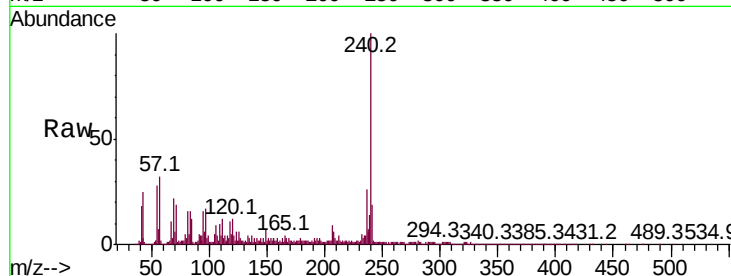
Tot Ion:240 Resp: 1037291

Ion Ratio Lower Upper

240 100

120 11.9 8.9 13.3

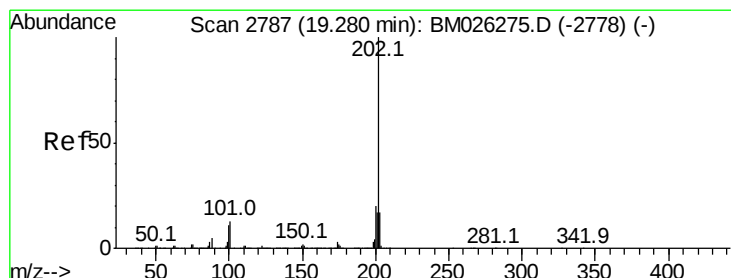
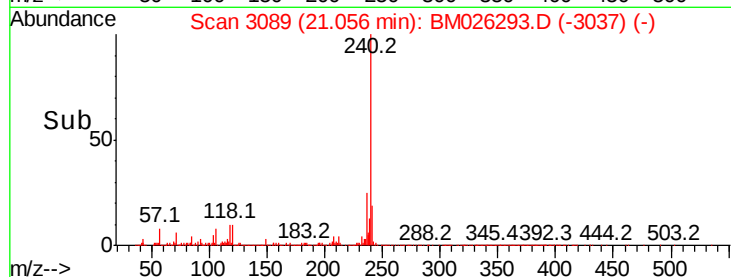
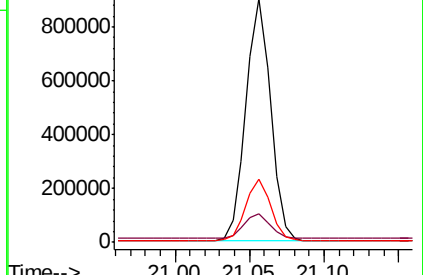
236 26.2 19.7 29.5



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



#78

Pyrene

Concen: 2.494 ng

RT: 19.28 min Scan# 2787

Delta R.T. 0.01 min

Lab File: BM026293.D

Acq: 08 Jun 2020 18:57

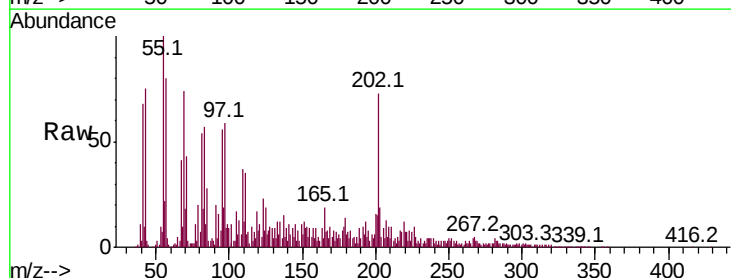
Tgt Ion:202 Resp: 170959

Ion Ratio Lower Upper

202 100

200 21.3 16.2 24.4

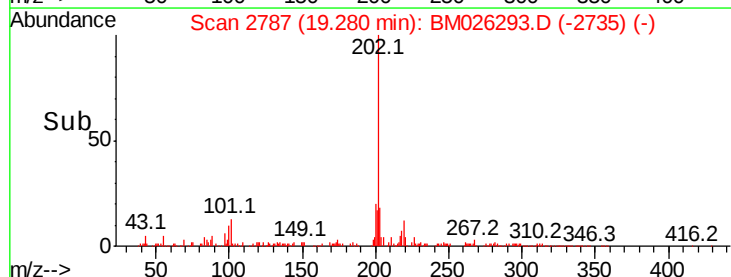
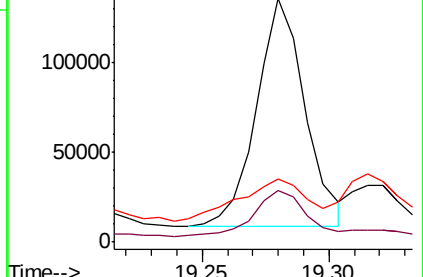
203 26.2 13.8 20.8#

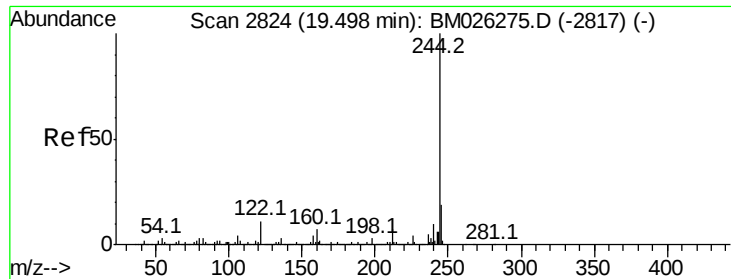


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 34.016 ng

RT: 19.50 min Scan# 2825

Delta R.T. 0.01 min

Lab File: BM026293.D

Acq: 08 Jun 2020 18:57

Instrument :

BNA_M

ClientSampleId :

SP-2ARE

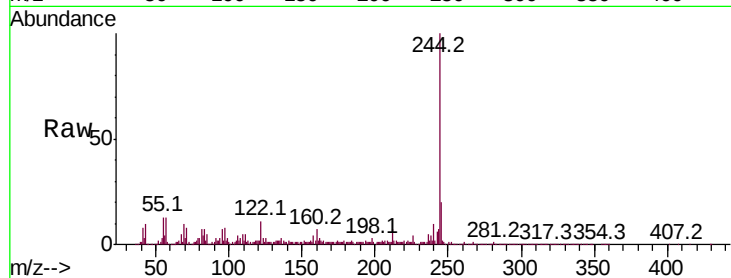
Tot Ion:244 Resp: 1817674

Ion Ratio Lower Upper

244 100

212 7.1 5.7 8.5

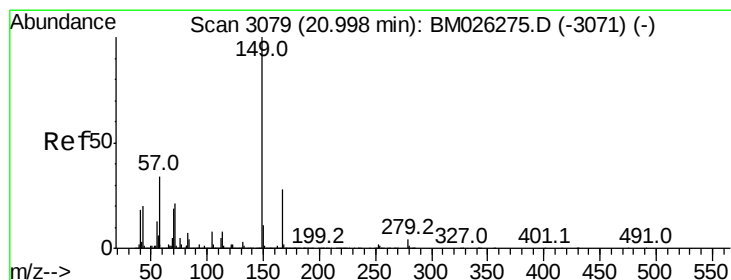
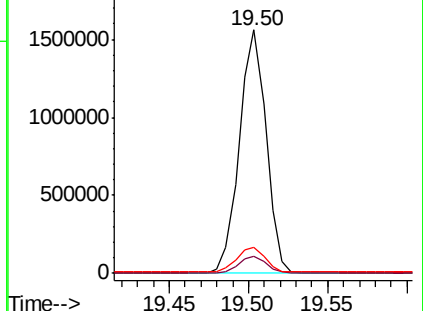
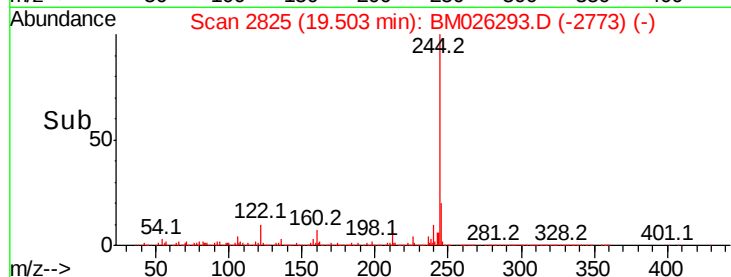
122 10.9 9.1 13.7



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 6.210 ng

RT: 21.00 min Scan# 3080

Delta R.T. 0.01 min

Lab File: BM026293.D

Acq: 08 Jun 2020 18:57

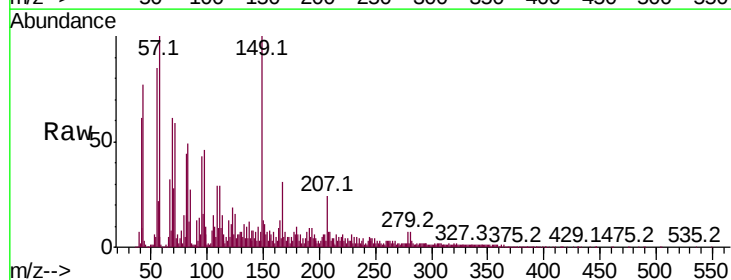
Tgt Ion:149 Resp: 245408

Ion Ratio Lower Upper

149 100

167 31.0 22.2 33.4

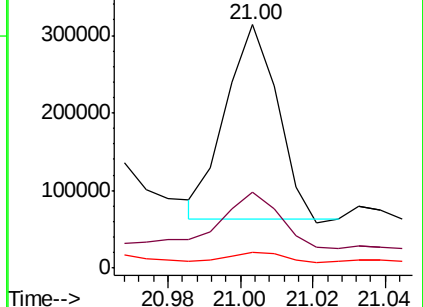
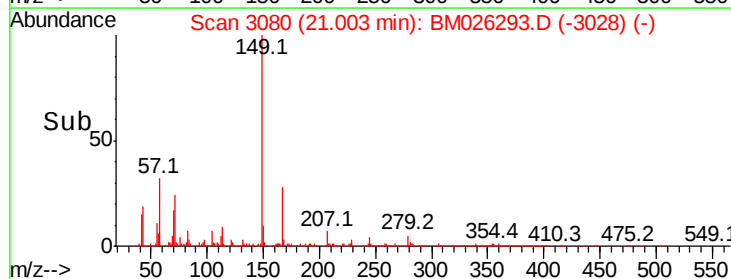
279 6.6 3.6 5.4#

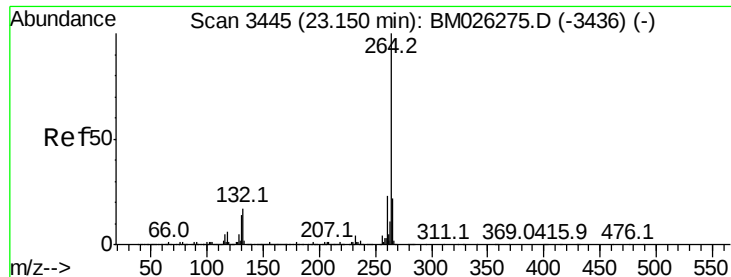


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 23.17 min Scan# 3449
Delta R.T. 0.02 min
Lab File: BM026293.D
Acq: 08 Jun 2020 18:57

Instrument :
BNA_M
ClientSampleId :
SP-2ARE

Tot Ion: 264 Resp: 1077365

Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.6	28.0
265	22.3	18.2	27.2

