

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM060820\
 Data File : BM026291.D
 Acq On : 08 Jun 2020 17:44
 Operator : JU/CG
 Sample : L2890-01RE
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CHRT-26160

Quant Time: Jun 08 18:45:34 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	233120	20.00	ng	0.00
21) Naphthalene-d8	10.20	136	996422	20.00	ng	0.00
39) Acenaphthene-d10	14.10	164	630062	20.00	ng	0.00
64) Phenanthrene-d10	16.87	188	1307170	20.00	ng	0.03
76) Chrysene-d12	21.06	240	924488	20.00	ng	0.00
86) Perylene-d12	23.16	264	905500	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.08	112	1021663	77.49	ng	0.00
7) Phenol-d6	6.65	99	1538873	80.60	ng	0.00
23) Nitrobenzene-d5	8.59	82	1144265	56.38	ng	0.00
42) 2,4,6-Tribromophenol	15.61	330	701135	91.86	ng	0.02
45) 2-Fluorobiphenyl	12.71	172	2463990	59.36	ng	0.00
79) Terphenyl-d14	19.52	244	3297513	69.24	ng	0.02

Target Compounds

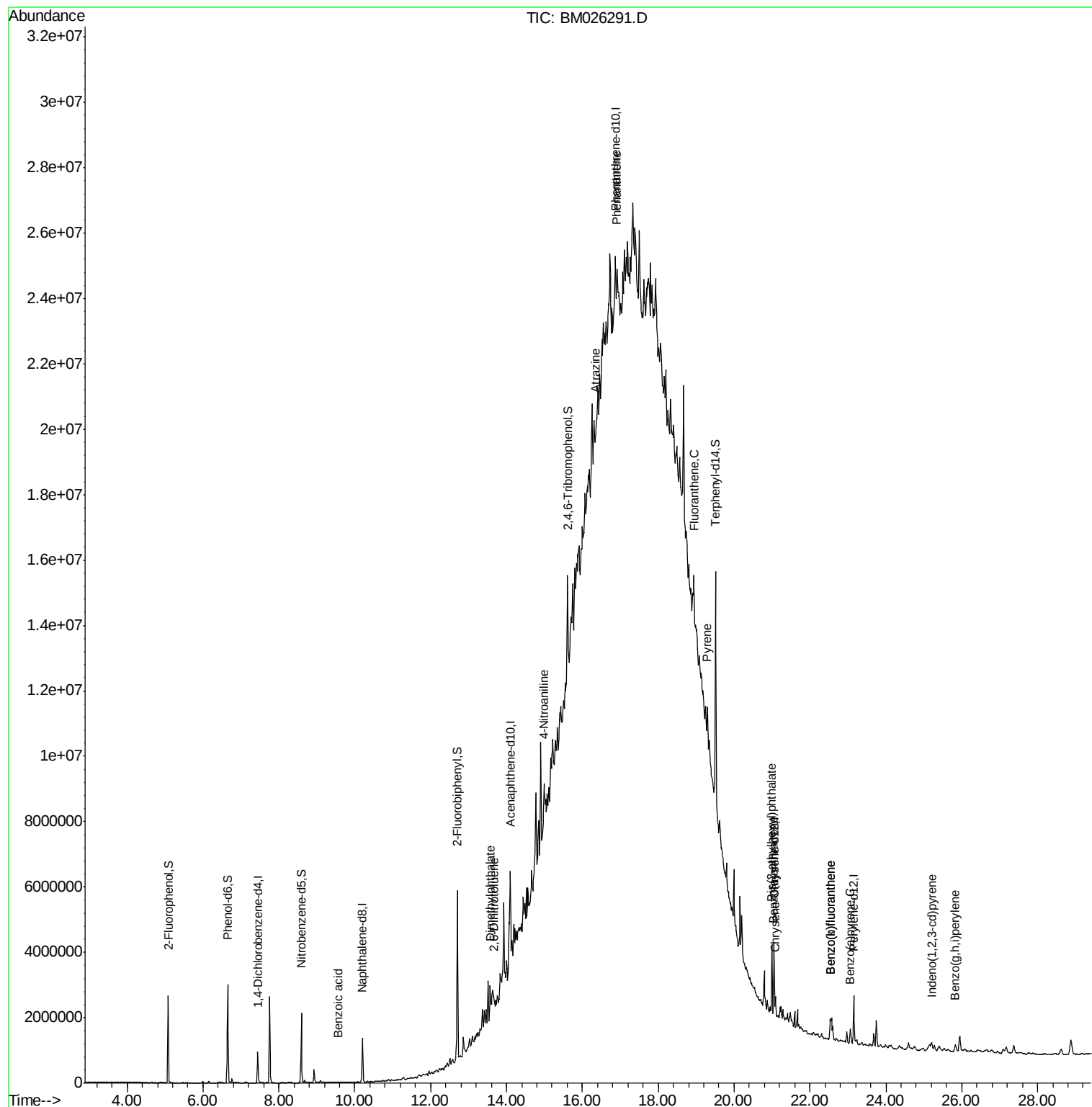
						Qvalue
32) Benzoic acid	9.57	122	131	5.174	ng	# 56
50) Dimethylphthalate	13.57	163	436617	9.474	ng	# 96
51) 2,6-Dinitrotoluene	13.66	165	59214	5.856	ng	# 24
62) 4-Nitroaniline	14.99	138	102563	8.540	ng	# 87
69) Atrazine	16.34	200	70840	6.262	ng	# 1
71) Phenanthrene	16.92	178	411102	6.039	ng	# 20
75) Fluoranthene	18.94	202	861087	11.033	ng	# 93
78) Pyrene	19.30	202	669891	10.967	ng	# 93
81) Benzo(a)anthracene	21.04	228	233127	4.201	ng	# 98
83) Chrysene	21.09	228	366883	6.938	ng	# 99
84) Bis(2-ethylhexyl)phthalate	21.00	149	638505	18.128	ng	# 97
87) Indeno(1,2,3-cd)pyrene	25.21	276	228788	4.368	ng	# 96
88) Benzo(b)fluoranthene	22.54	252	503203	9.238	ng	# 95
89) Benzo(k)fluoranthene	22.54	252	503203	9.509	ng	# 95
90) Benzo(a)pyrene	23.06	252	269626	5.573	ng	# 96
92) Benzo(g,h,i)perylene	25.83	276	233892	5.621	ng	# 98

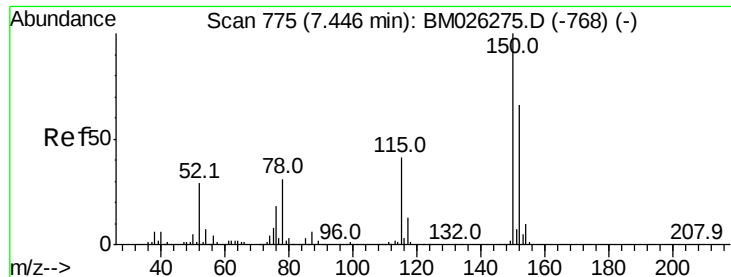
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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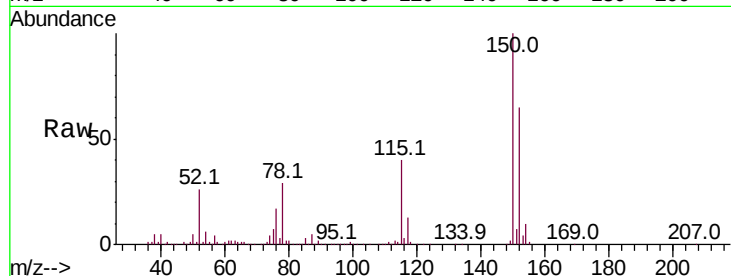


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.45 min Scan# 775
Delta R.T. 0.01 min
Lab File: BM026291.D
Acq: 08 Jun 2020 17:44

Instrument :
BNA_M
ClientSampleId :
CHRT-26160

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.4	122.1	183.1
115	61.7	49.7	74.5

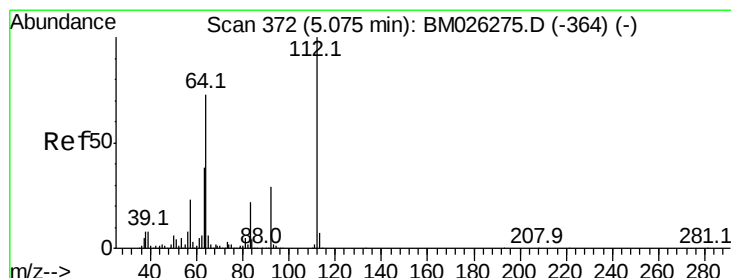
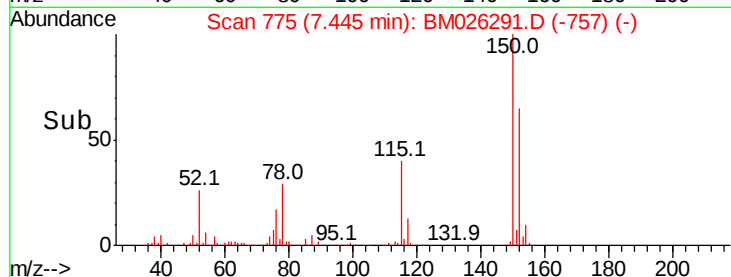
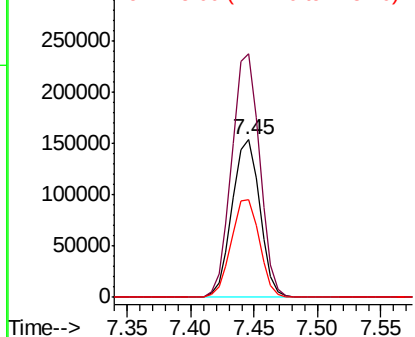


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

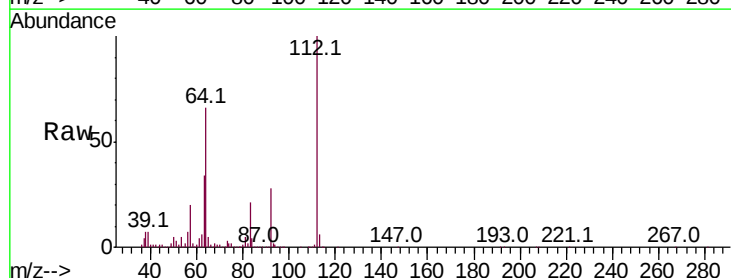
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 77.485 ng
RT: 5.08 min Scan# 373
Delta R.T. 0.01 min
Lab File: BM026291.D
Acq: 08 Jun 2020 17:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.3	58.1	87.1
63	34.0	30.6	45.8

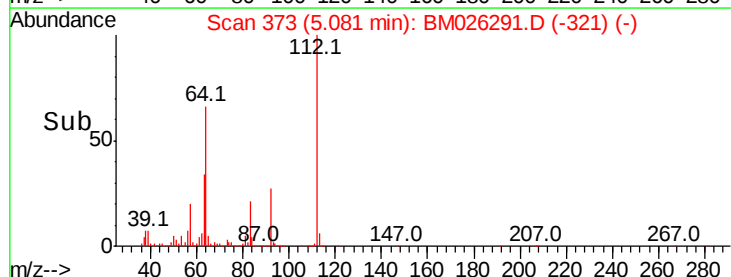
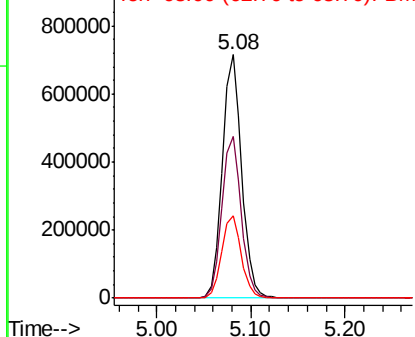


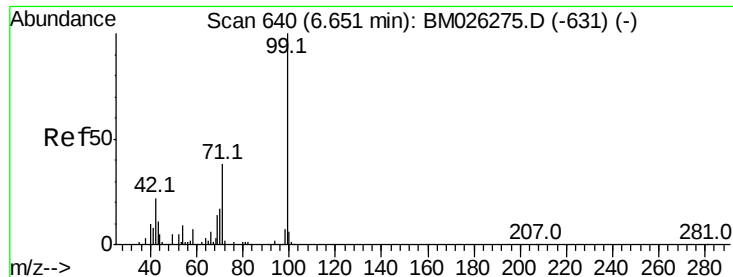
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM

Ion 63.00 (62.70 to 63.70): BM





#7

Phenol-d6

Concen: 80.599 ng

RT: 6.65 min Scan# 640

Delta R.T. 0.01 min

Lab File: BM026291.D

Acq: 08 Jun 2020 17:44

Instrument :

BNA_M

ClientSampleId :

CHRT-26160

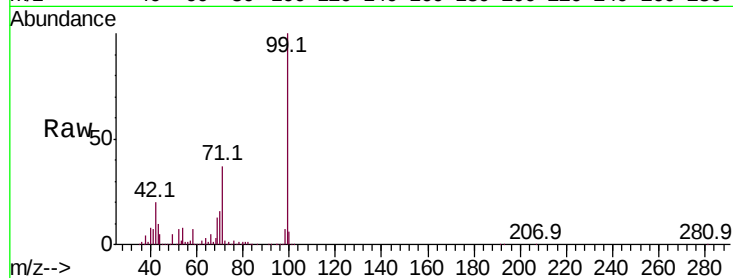
Tot Ion: 99 Resp: 1538873

Ion Ratio Lower Upper

99 100

42 20.3 18.0 27.0

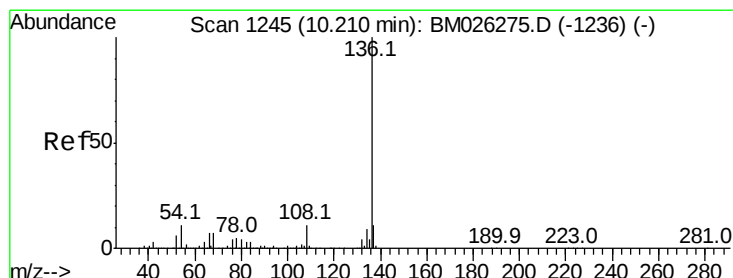
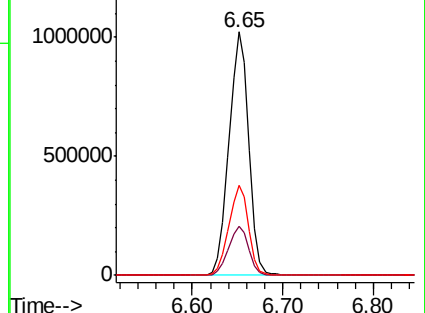
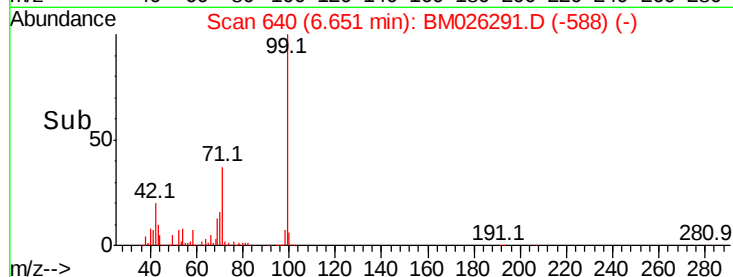
71 36.9 30.6 45.8



Abundance Ion 99.00 (98.70 to 99.70): BM026291.D (-588) (-)

Ion 42.00 (41.70 to 42.70): BM026291.D (-588) (-)

Ion 71.00 (70.70 to 71.70): BM026291.D (-588) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.20 min Scan# 1244

Delta R.T. 0.00 min

Lab File: BM026291.D

Acq: 08 Jun 2020 17:44

Tgt Ion: 136 Resp: 996422

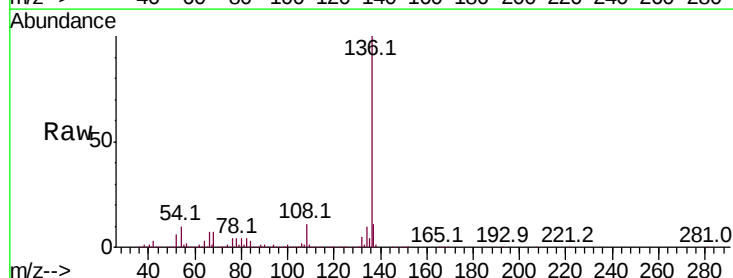
Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

54 10.3 9.0 13.4

68 7.4 5.6 8.4

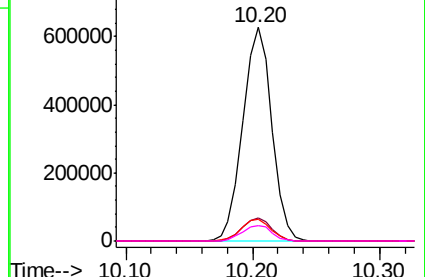
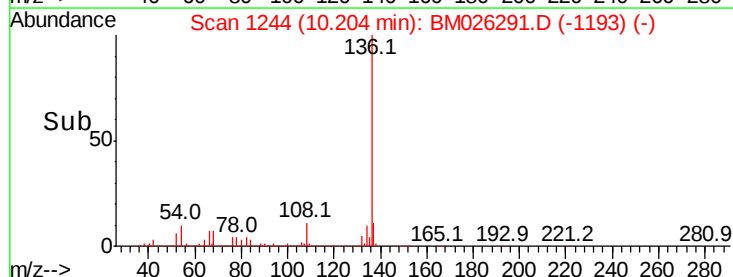


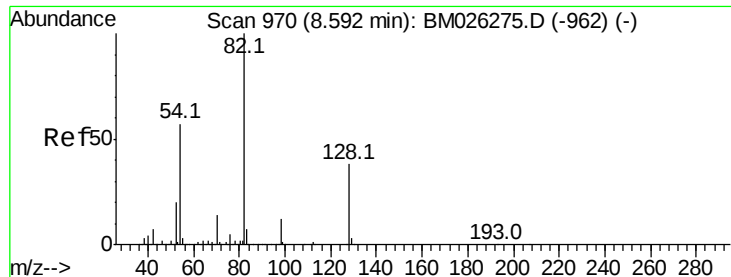
Abundance Ion 136.00 (135.70 to 136.70): BM026291.D (-1193) (-)

Ion 137.00 (136.70 to 137.70): BM026291.D (-1193) (-)

Ion 54.00 (53.70 to 54.70): BM026291.D (-1193) (-)

Ion 68.00 (67.70 to 68.70): BM026291.D (-1193) (-)

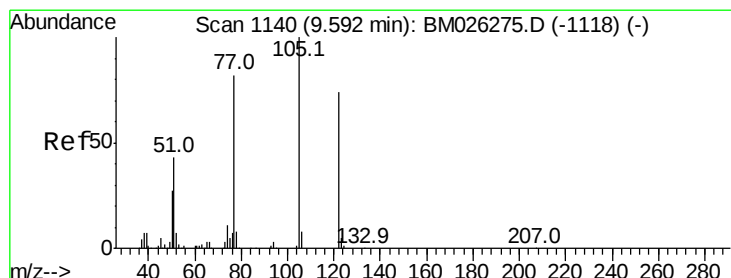
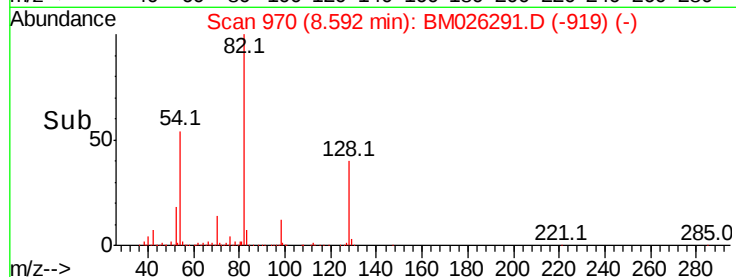
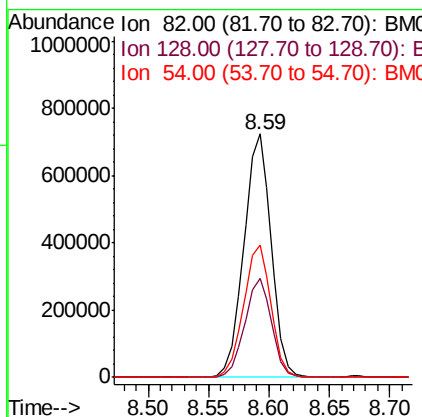
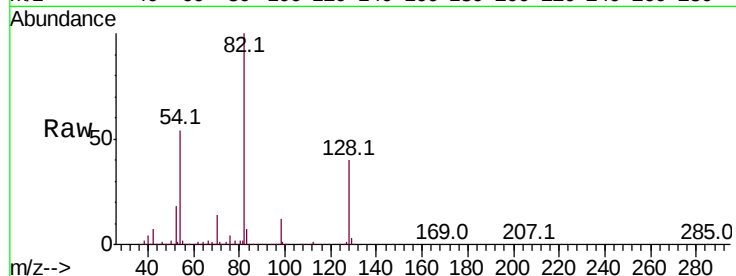




#23
 Nitrobenzene-d5
 Concen: 56.385 ng
 RT: 8.59 min Scan# 970
 Delta R.T. 0.00 min
 Lab File: BM026291.D
 Acq: 08 Jun 2020 17:44

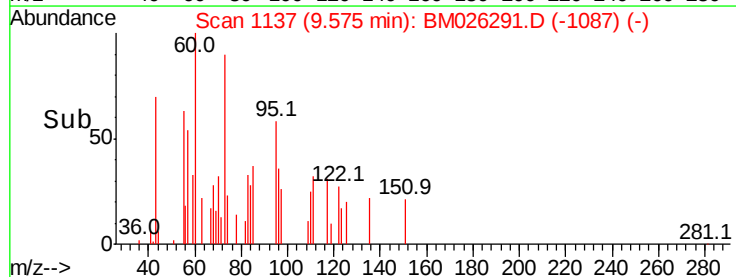
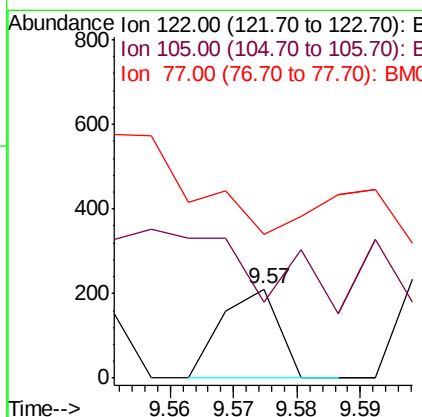
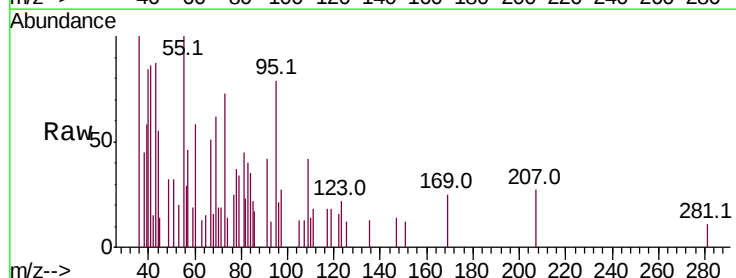
Instrument :
 BNA_M
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 CHRT-26160

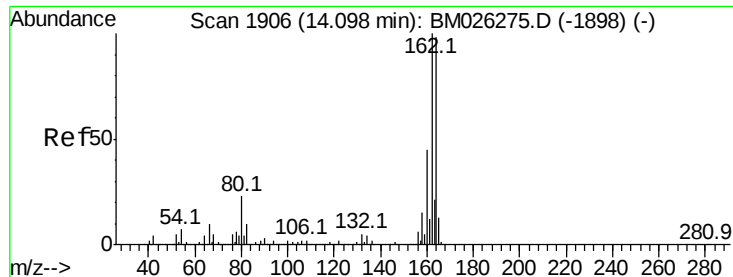
Tot Ion: 82 Resp: 1144265
 Ion Ratio Lower Upper
 82 100
 128 40.4 30.3 45.5
 54 54.3 45.4 68.2



#32
 Benzoic acid
 Concen: 5.174 ng
 RT: 9.57 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: BM026291.D
 Acq: 08 Jun 2020 17:44

Tgt Ion: 122 Resp: 131
 Ion Ratio Lower Upper
 122 100
 105 85.2 112.4 152.4#
 77 162.4 89.8 129.8#

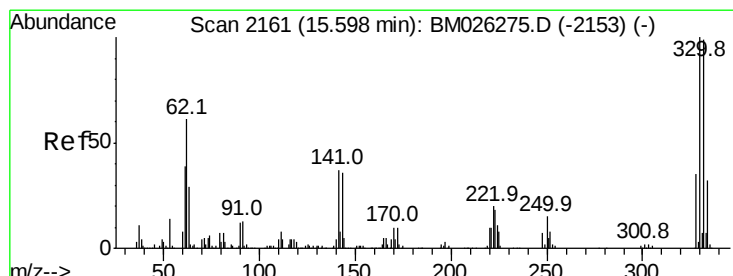
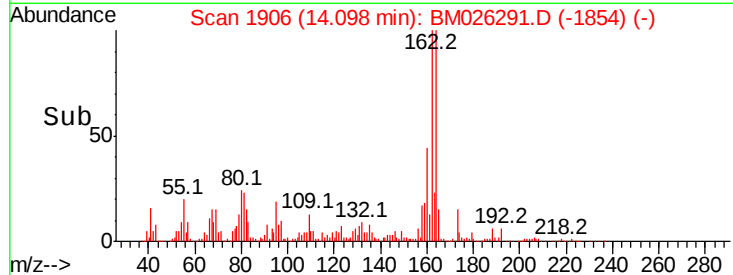
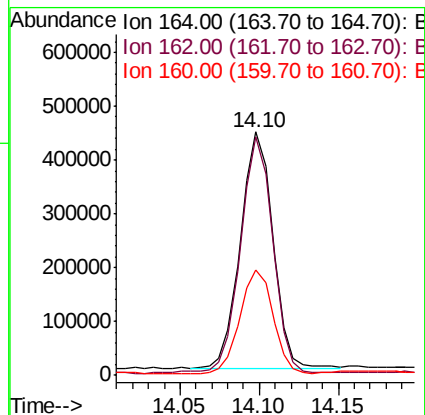
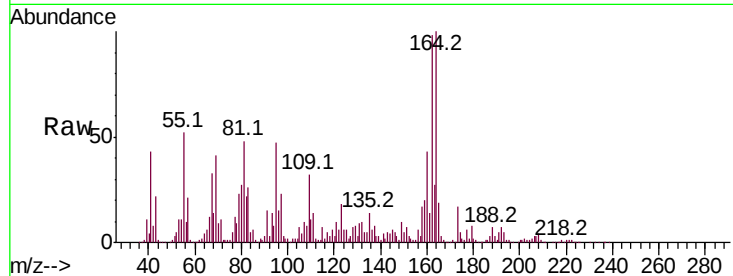




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.10 min Scan# 1906
 Delta R.T. 0.01 min
 Lab File: BM026291.D
 Acq: 08 Jun 2020 17:44

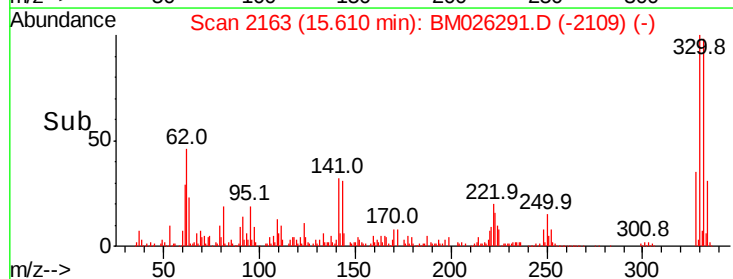
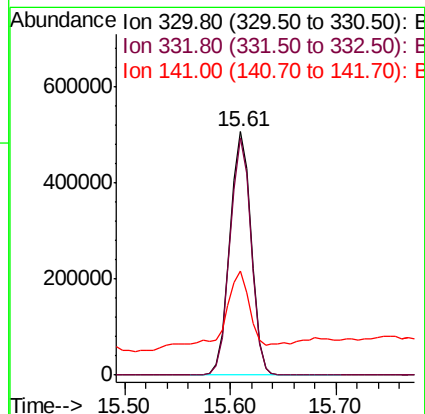
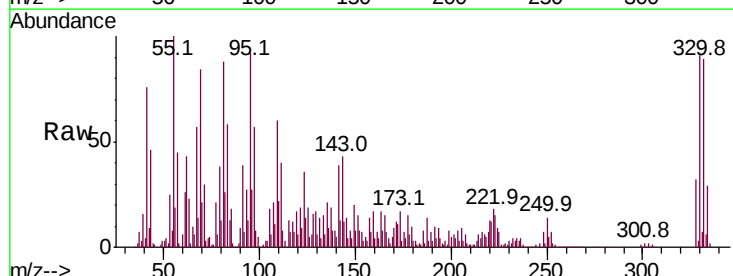
Instrument :
 BNA_M
 ClientSampleId :
 CHRT-26160

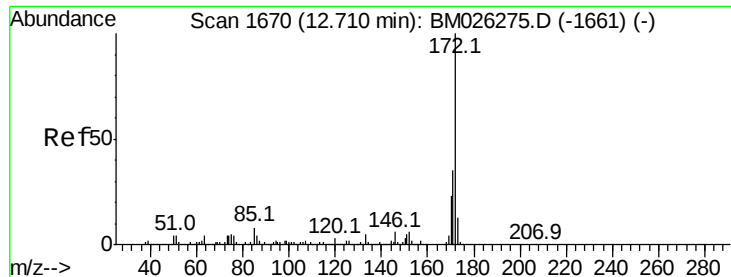
Tot Ion:164 Resp: 630062
 Ion Ratio Lower Upper
 164 100
 162 97.7 81.4 122.2
 160 43.4 36.4 54.6



#42
 2,4,6-Tribromophenol
 Concen: 91.865 ng
 RT: 15.61 min Scan# 2163
 Delta R.T. 0.02 min
 Lab File: BM026291.D
 Acq: 08 Jun 2020 17:44

Tgt Ion:330 Resp: 701135
 Ion Ratio Lower Upper
 330 100
 332 96.9 78.1 117.1
 141 43.2 30.0 45.0

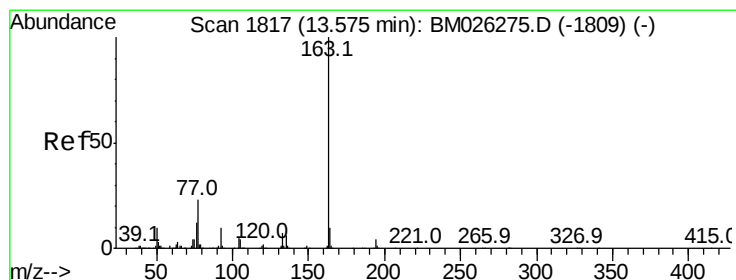
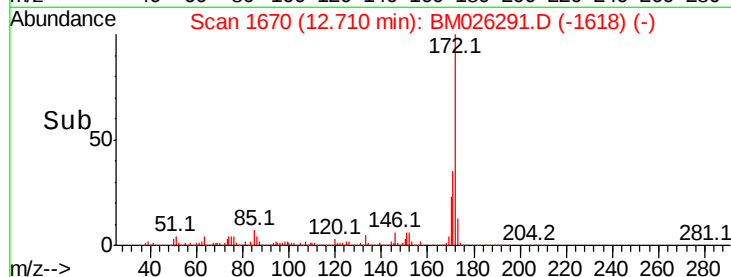
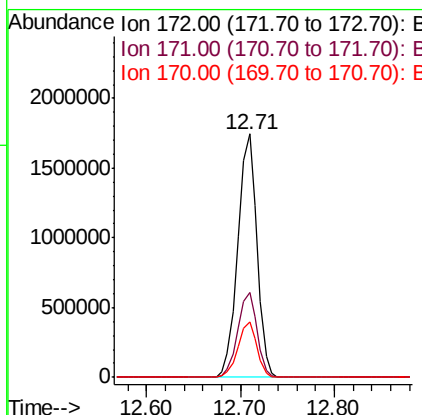
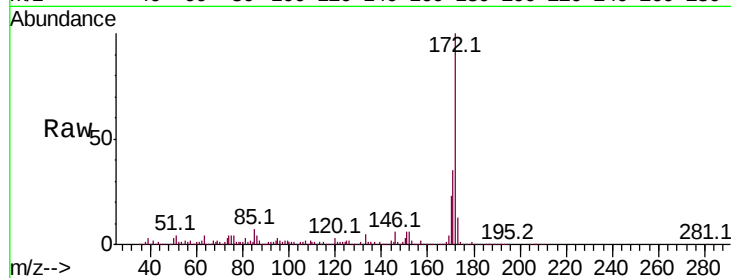




#45
2-Fluorobiphenyl
Concen: 59.363 ng
RT: 12.71 min Scan# 1670
Delta R.T. 0.01 min
Lab File: BM026291.D
Acq: 08 Jun 2020 17:44

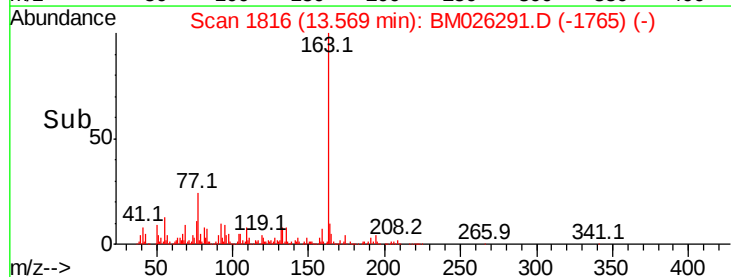
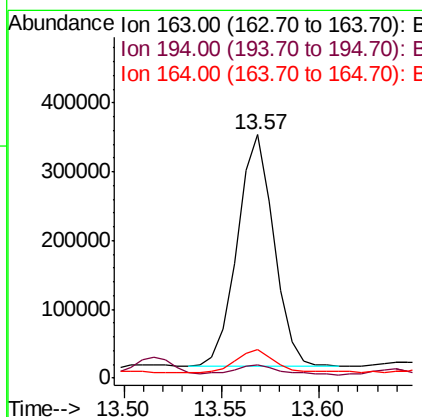
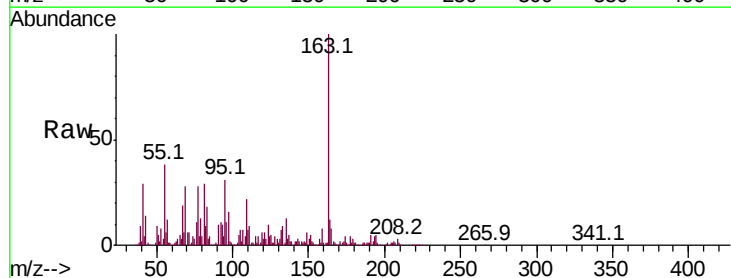
Instrument :
BNA_M
ClientSampleId :
CHRT-26160

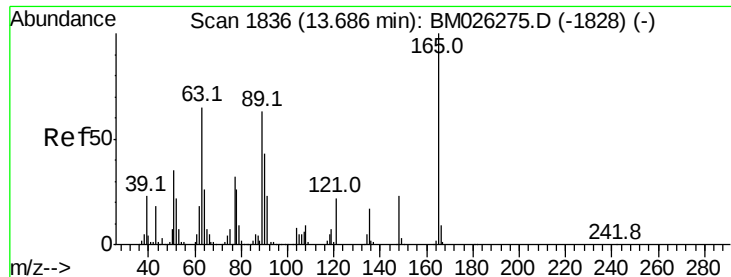
Tot Ion:172 Resp: 2463990
Ion Ratio Lower Upper
172 100
171 35.0 28.2 42.2
170 22.8 18.3 27.5



#50
Dimethylphthalate
Concen: 9.474 ng
RT: 13.57 min Scan# 1816
Delta R.T. 0.00 min
Lab File: BM026291.D
Acq: 08 Jun 2020 17:44

Tgt Ion:163 Resp: 436617
Ion Ratio Lower Upper
163 100
194 5.4 3.4 5.2#
164 11.5 8.0 12.0





#51

2,6-Dinitrotoluene

Concen: 5.856 ng

RT: 13.66 min Scan# 1831

Delta R.T. -0.02 min

Lab File: BM026291.D

Acq: 08 Jun 2020 17:44

Instrument :

BNA_M

ClientSampleId :

CHRT-26160

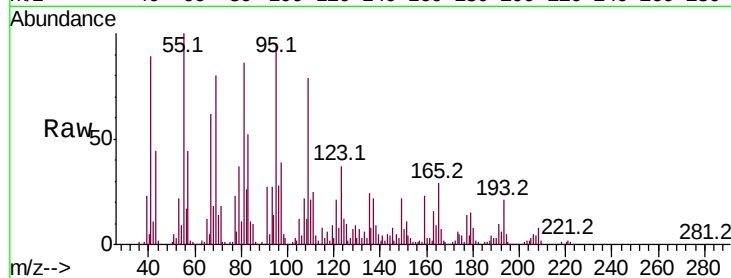
Tot Ion:165 Resp: 59214

Ion Ratio Lower Upper

165 100

63 6.8 55.0 82.4#

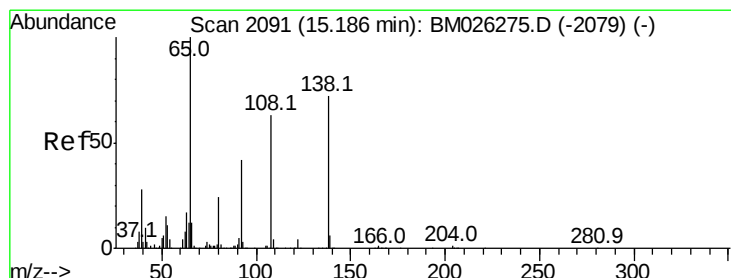
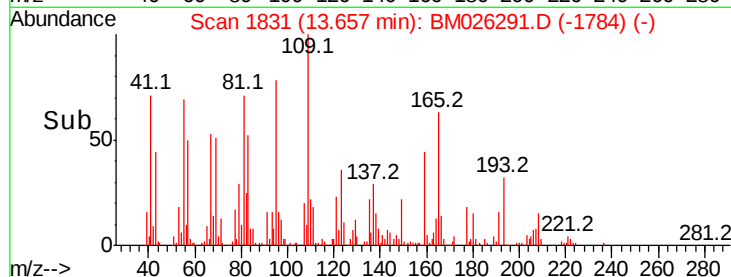
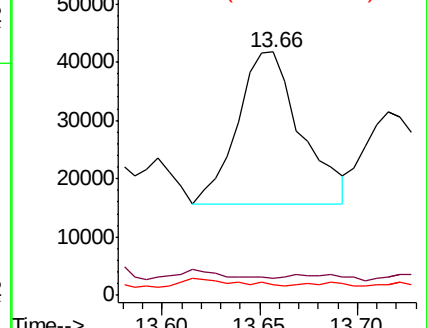
89 4.4 50.0 75.0#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM

Ion 89.00 (88.70 to 89.70): BM



#62

4-Nitroaniline

Concen: 8.540 ng

RT: 14.99 min Scan# 2058

Delta R.T. -0.19 min

Lab File: BM026291.D

Acq: 08 Jun 2020 17:44

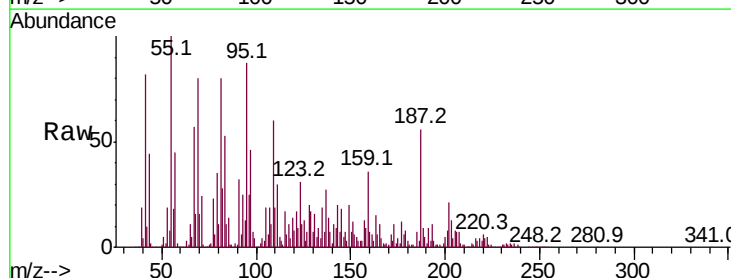
Tgt Ion:138 Resp: 102563

Ion Ratio Lower Upper

138 100

92 40.7 38.0 78.0

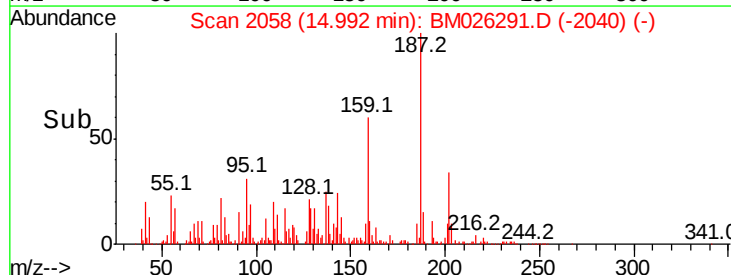
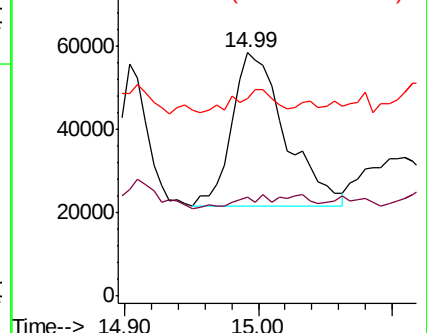
108 81.1 67.3 107.3

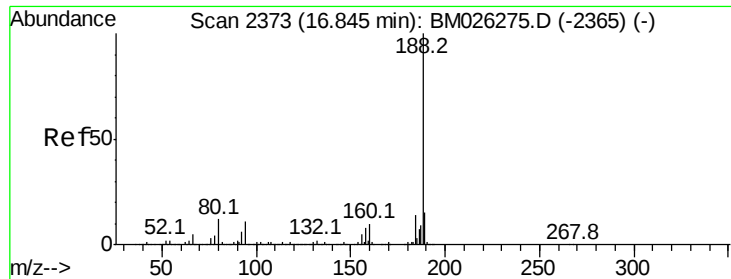


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BM

Ion 108.00 (107.70 to 108.70): E

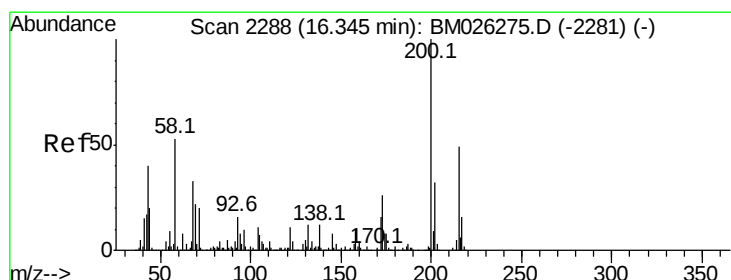
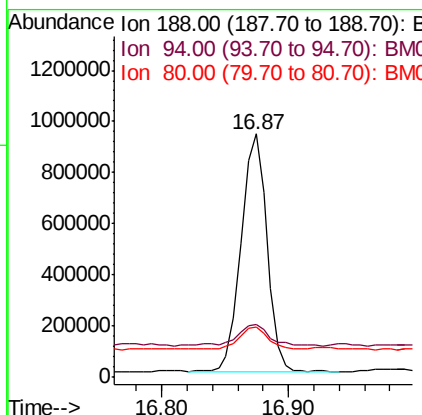
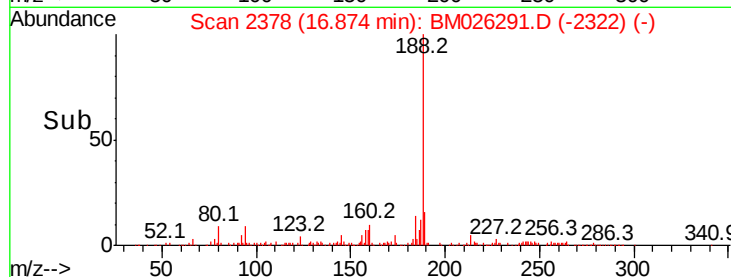
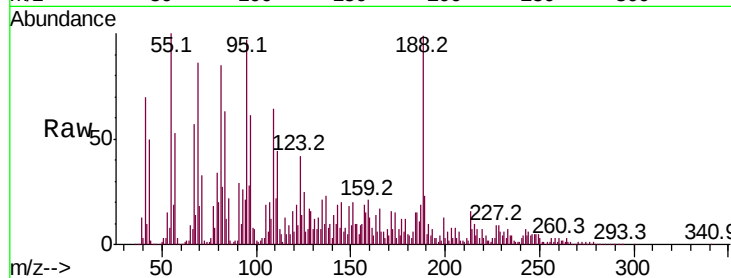




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.87 min Scan# 2378
Delta R.T. 0.03 min
Lab File: BM026291.D
Acq: 08 Jun 2020 17:44

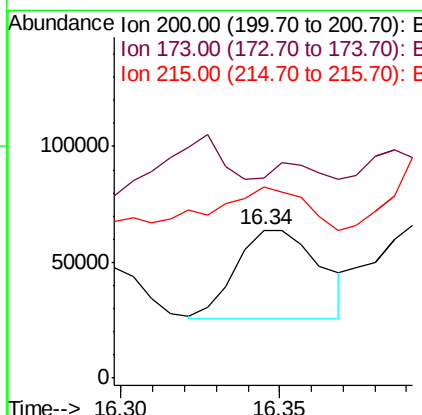
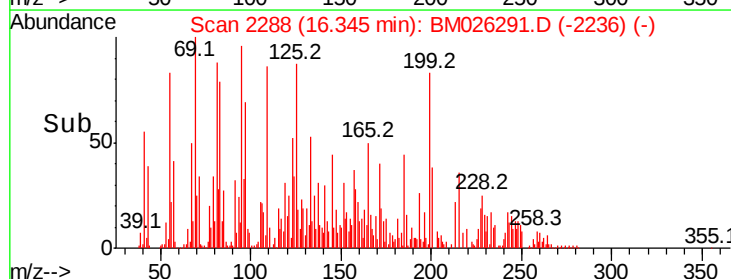
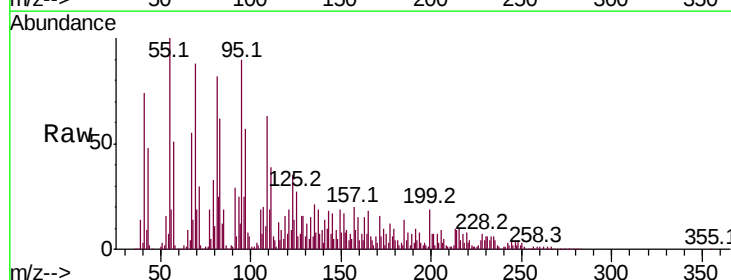
Instrument :
BNA_M
ClientSampleId :
CHRT-26160

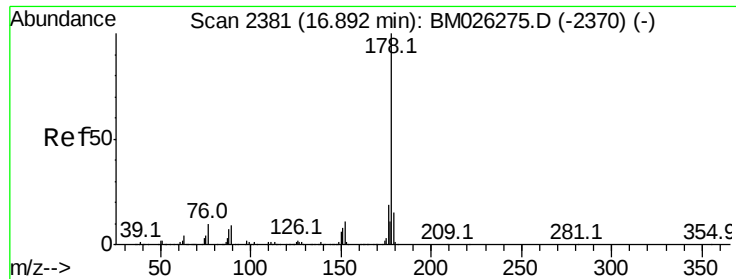
Tot Ion:188 Resp: 1307170
Ion Ratio Lower Upper
188 100
94 21.6 8.6 12.8#
80 20.4 9.7 14.5#



#69
Atrazine
Concen: 6.262 ng
RT: 16.34 min Scan# 2288
Delta R.T. 0.01 min
Lab File: BM026291.D
Acq: 08 Jun 2020 17:44

Tgt Ion:200 Resp: 70840
Ion Ratio Lower Upper
200 100
173 135.2 6.4 46.4#
215 129.2 28.7 68.7#





#71

Phenanthrene

Concen: 6.039 ng

RT: 16.92 min Scan# 2385

Delta R.T. 0.03 min

Lab File: BM026291.D

Acq: 08 Jun 2020 17:44

Instrument :

BNA_M

ClientSampleId :

CHRT-26160

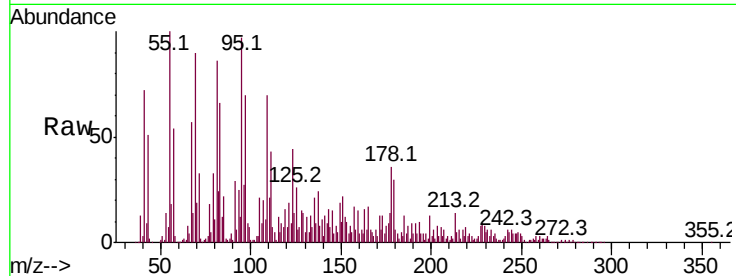
Tot Ion:178 Resp: 411102

Ion Ratio Lower Upper

178 100

176 24.4 14.9 22.3#

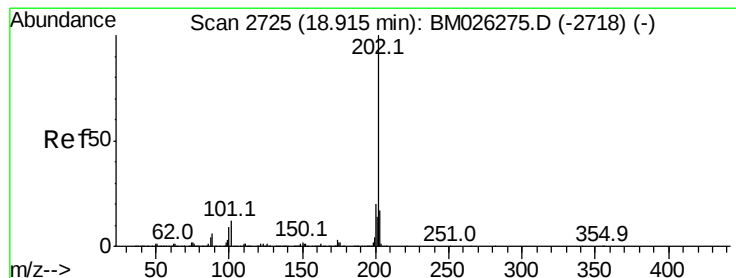
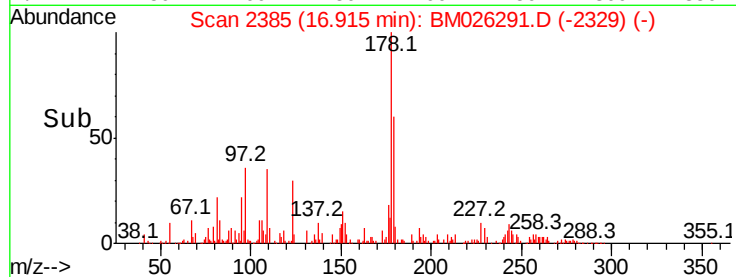
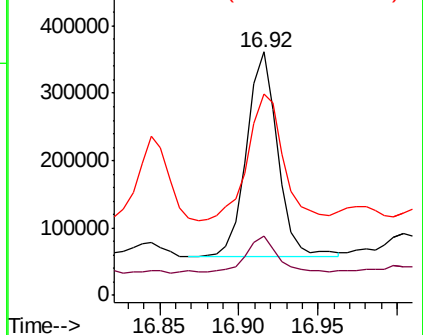
179 83.0 12.0 18.0#



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



#75

Fluoranthene

Concen: 11.033 ng

RT: 18.94 min Scan# 2729

Delta R.T. 0.03 min

Lab File: BM026291.D

Acq: 08 Jun 2020 17:44

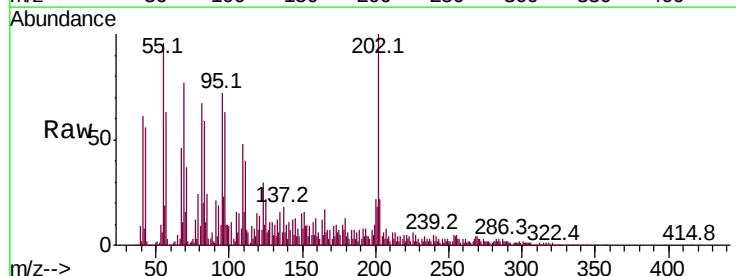
Tgt Ion:202 Resp: 861087

Ion Ratio Lower Upper

202 100

101 11.1 0.0 31.6

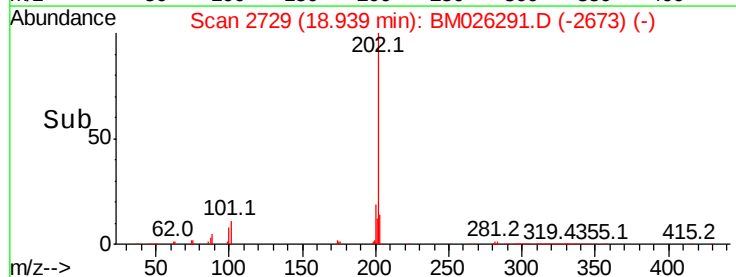
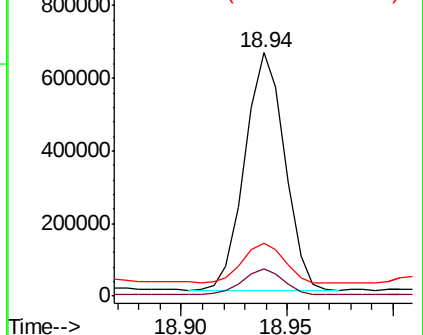
203 21.9 0.0 37.4

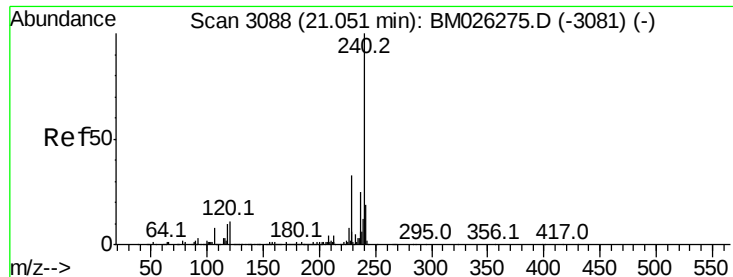


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

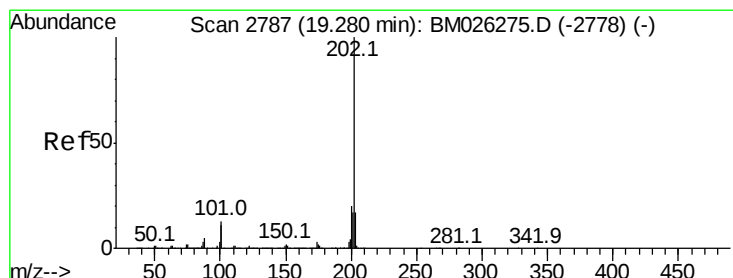
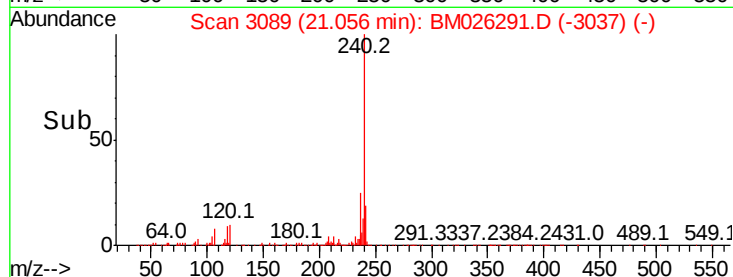
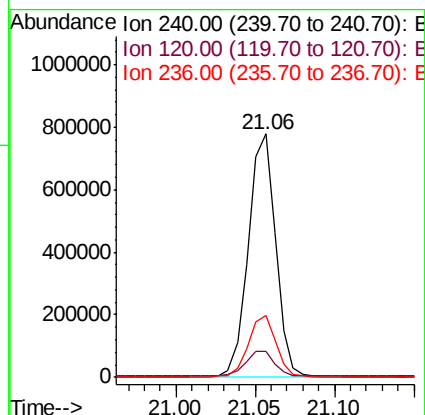
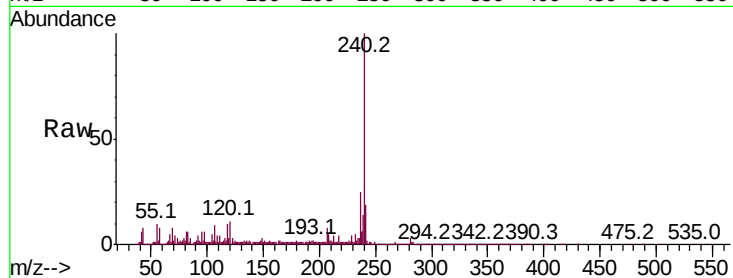




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.06 min Scan# 3089
Delta R.T. 0.01 min
Lab File: BM026291.D
Acq: 08 Jun 2020 17:44

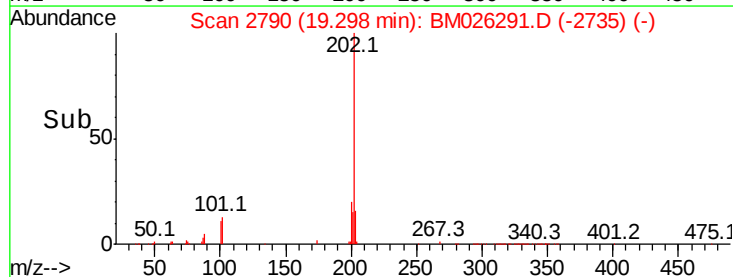
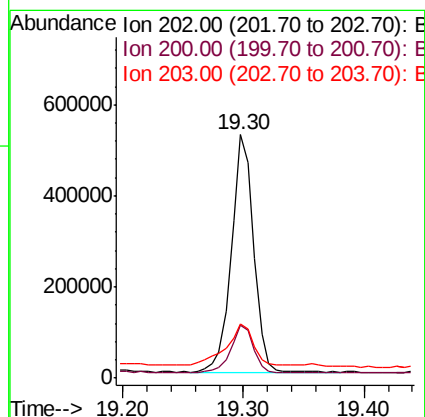
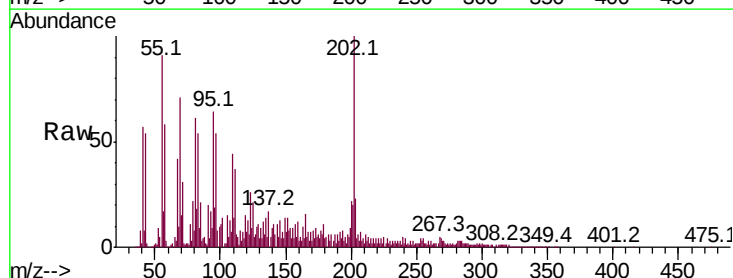
Instrument :
BNA_M
ClientSampleId :
CHRT-26160

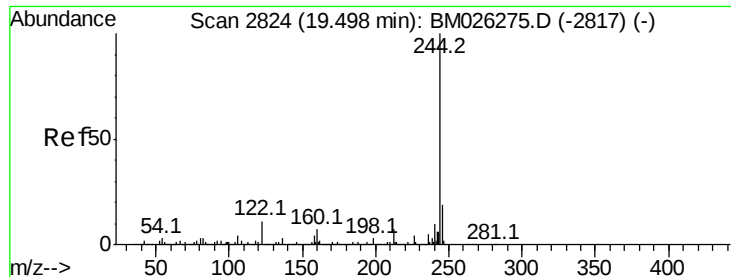
Tot Ion:240 Resp: 924488
Ion Ratio Lower Upper
240 100
120 10.6 8.9 13.3
236 25.2 19.7 29.5



#78
Pyrene
Concen: 10.967 ng
RT: 19.30 min Scan# 2790
Delta R.T. 0.02 min
Lab File: BM026291.D
Acq: 08 Jun 2020 17:44

Tgt Ion:202 Resp: 669891
Ion Ratio Lower Upper
202 100
200 22.0 16.2 24.4
203 22.5 13.8 20.8#





#79

Terphenyl-d14

Concen: 69.239 ng

RT: 19.52 min Scan# 2827

Delta R.T. 0.02 min

Lab File: BM026291.D

Acq: 08 Jun 2020 17:44

Instrument :

BNA_M

ClientSampleId :

CHRT-26160

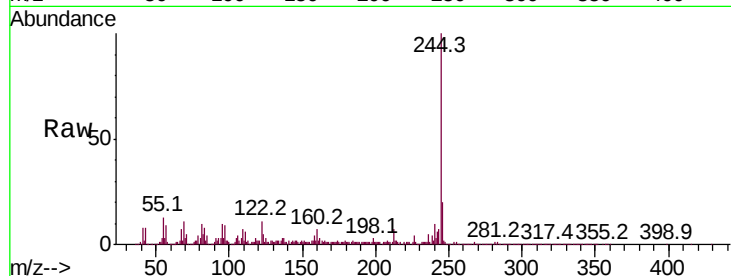
Tot Ion:244 Resp: 3297513

Ion Ratio Lower Upper

244 100

212 7.4 5.7 8.5

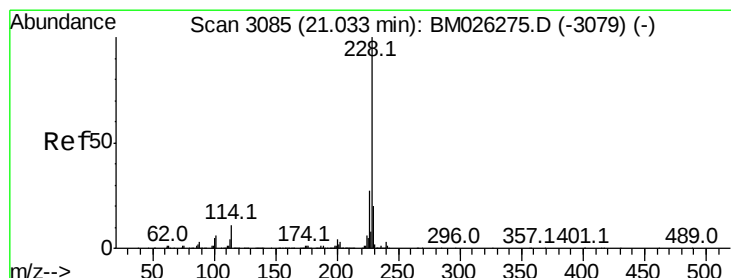
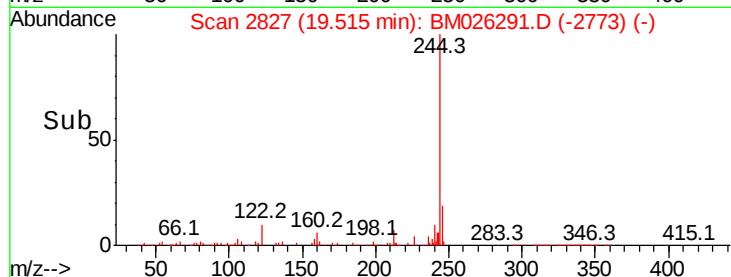
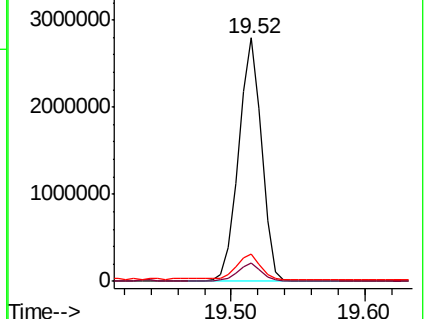
122 11.2 9.1 13.7



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



#81

Benzo(a)anthracene

Concen: 4.201 ng

RT: 21.04 min Scan# 3086

Delta R.T. 0.01 min

Lab File: BM026291.D

Acq: 08 Jun 2020 17:44

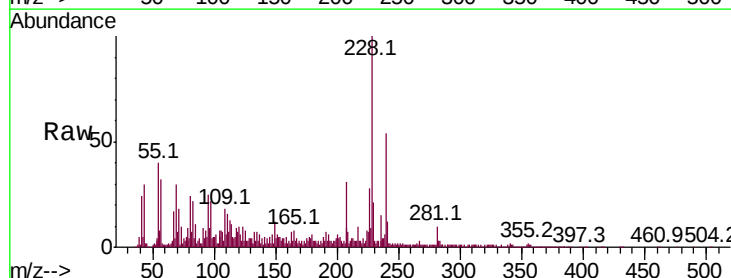
Tgt Ion:228 Resp: 233127

Ion Ratio Lower Upper

228 100

226 28.1 21.7 32.5

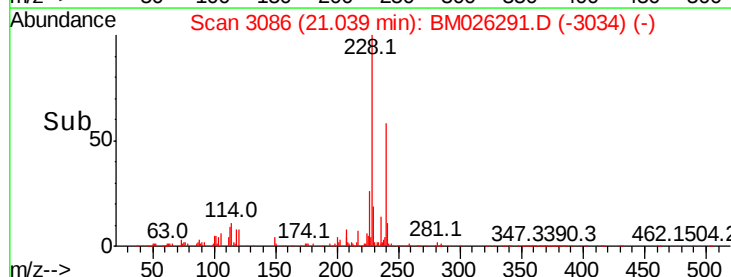
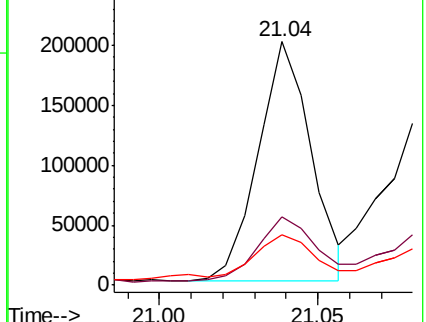
229 20.8 15.9 23.9

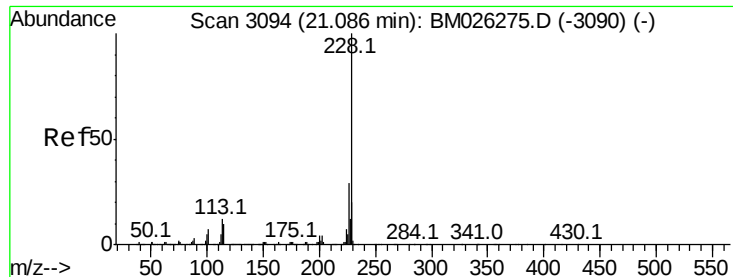


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 6.938 ng

RT: 21.09 min Scan# 3095

Delta R.T. 0.01 min

Lab File: BM026291.D

Acq: 08 Jun 2020 17:44

Instrument :

BNA_M

ClientSampleId :

CHRT-26160

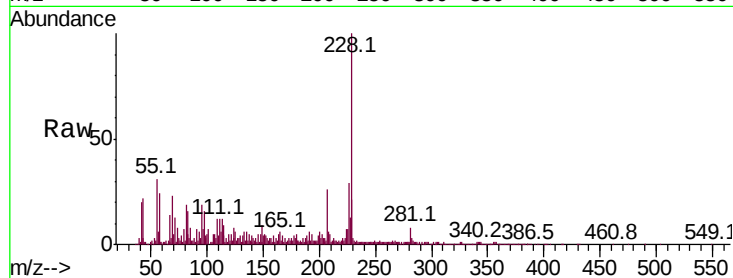
Tot Ion:228 Resp: 366883

Ion Ratio Lower Upper

228 100

226 29.4 23.5 35.3

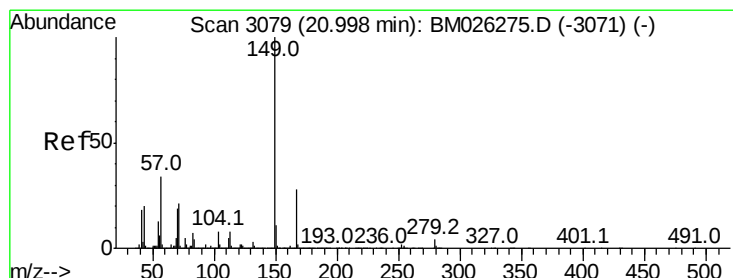
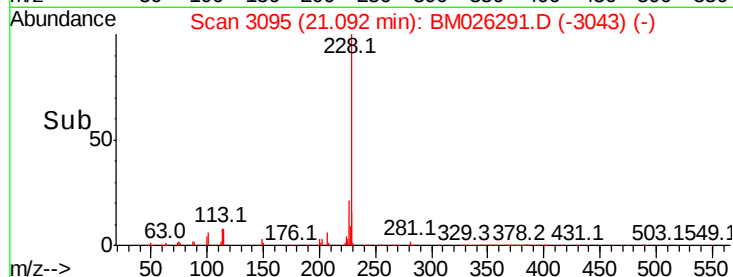
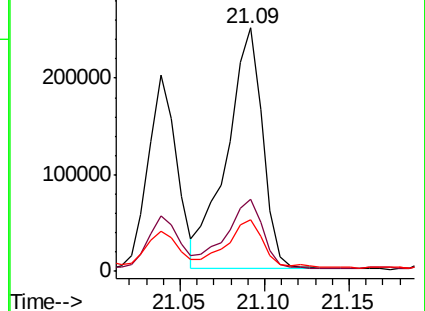
229 21.3 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 18.128 ng

RT: 21.00 min Scan# 3079

Delta R.T. 0.00 min

Lab File: BM026291.D

Acq: 08 Jun 2020 17:44

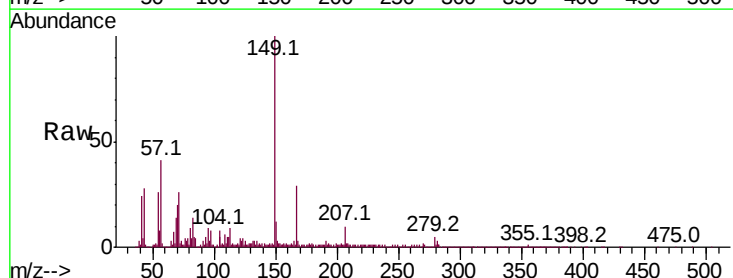
Tgt Ion:149 Resp: 638505

Ion Ratio Lower Upper

149 100

167 29.5 22.2 33.4

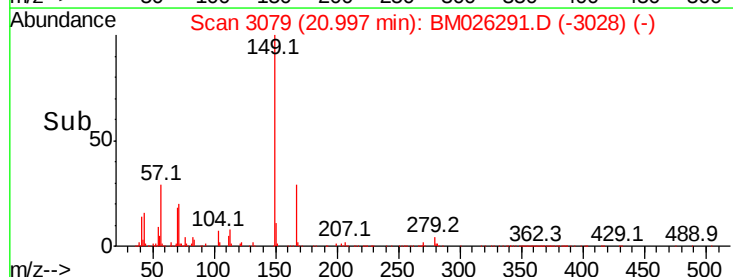
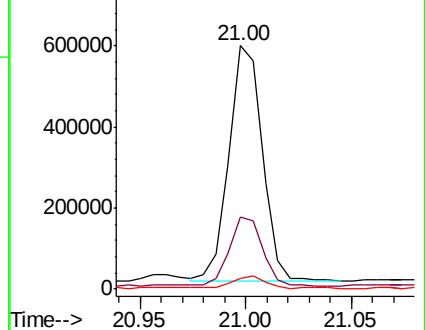
279 4.6 3.6 5.4

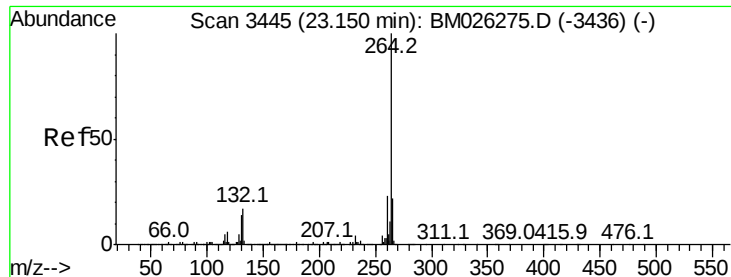


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

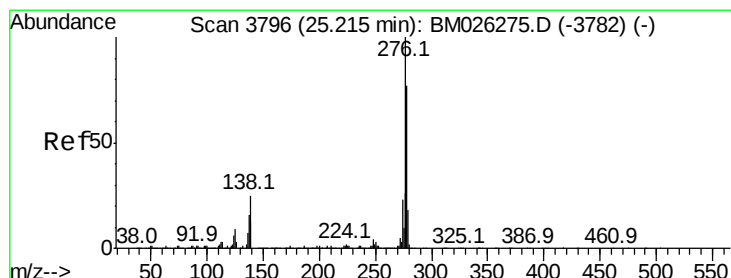
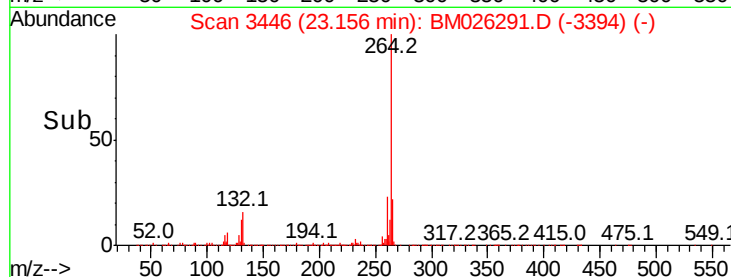
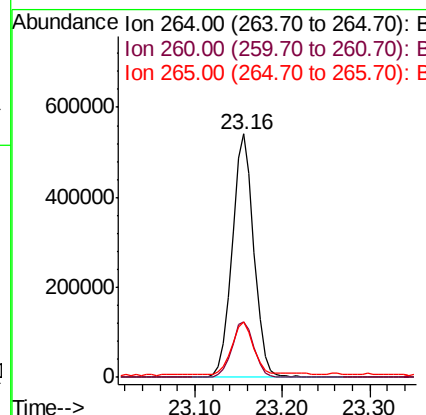
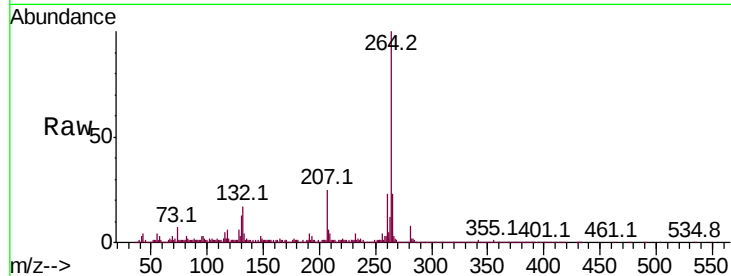




#86
Pervlene-d12
Concen: 20.000 ng
RT: 23.16 min Scan# 3446
Delta R.T. 0.01 min
Lab File: BM026291.D
Acq: 08 Jun 2020 17:44

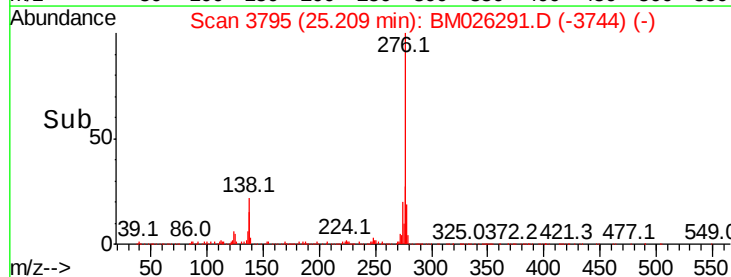
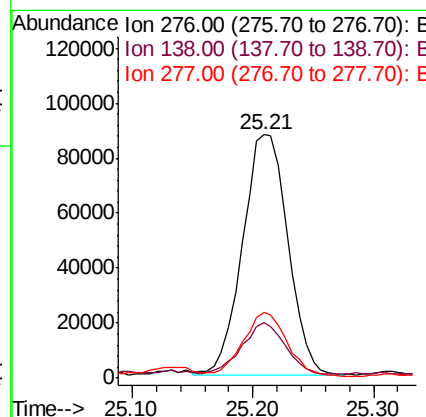
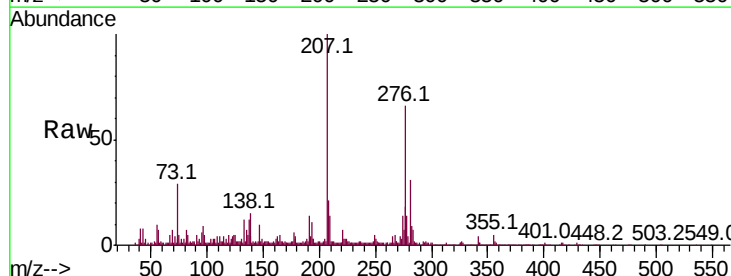
Instrument :
BNA_M
ClientSampleId :
CHRT-26160

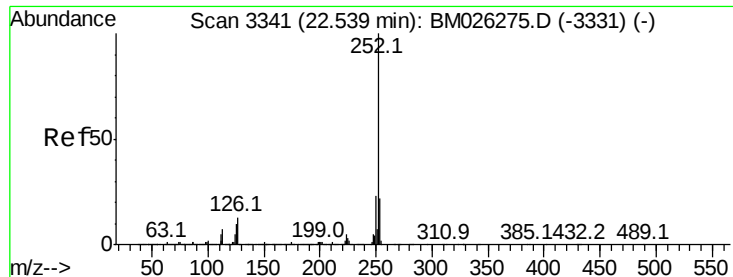
Tot Ion:264 Resp: 905500
Ion Ratio Lower Upper
264 100
260 23.0 18.6 28.0
265 22.7 18.2 27.2



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.368 ng
RT: 25.21 min Scan# 3795
Delta R.T. 0.00 min
Lab File: BM026291.D
Acq: 08 Jun 2020 17:44

Tgt Ion:276 Resp: 228788
Ion Ratio Lower Upper
276 100
138 21.1 19.8 29.8
277 25.7 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 9.238 ng

RT: 22.54 min Scan# 3341

Delta R.T. 0.01 min

Lab File: BM026291.D

Acq: 08 Jun 2020 17:44

Instrument :

BNA_M

ClientSampleId :

CHRT-26160

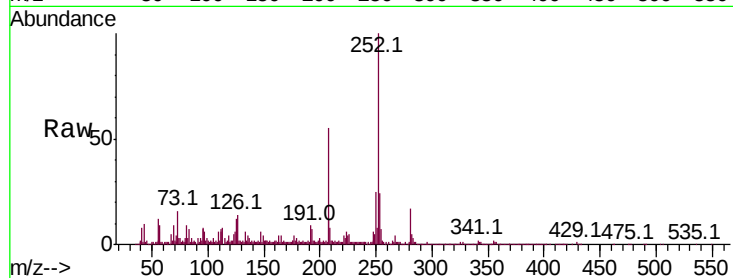
Tot Ion:252 Resp: 503203

Ion Ratio Lower Upper

252 100

253 23.9 17.6 26.4

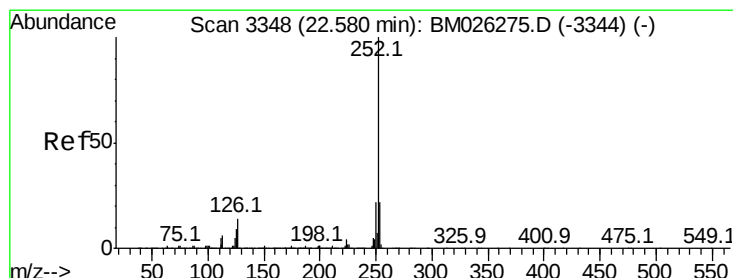
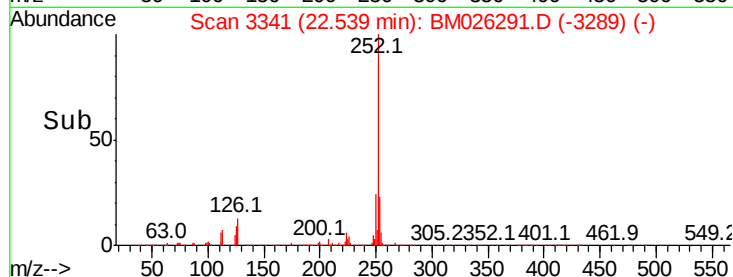
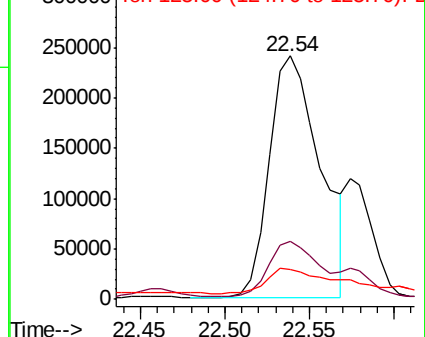
125 12.1 7.9 11.9#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(k)fluoranthene

Concen: 9.509 ng

RT: 22.54 min Scan# 3341

Delta R.T. -0.04 min

Lab File: BM026291.D

Acq: 08 Jun 2020 17:44

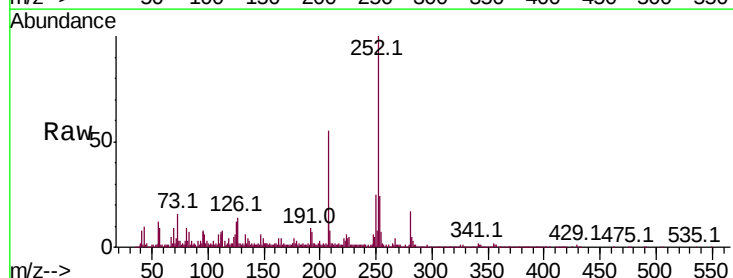
Tgt Ion:252 Resp: 503203

Ion Ratio Lower Upper

252 100

253 23.9 17.3 25.9

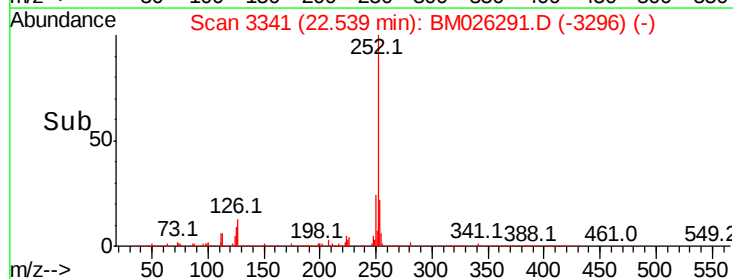
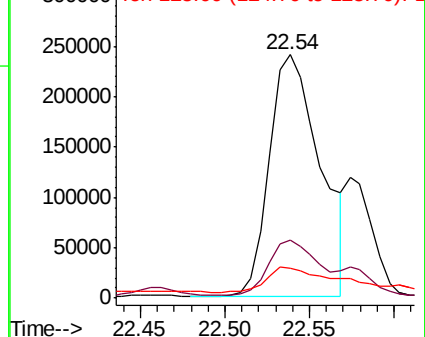
125 12.1 7.8 11.6#

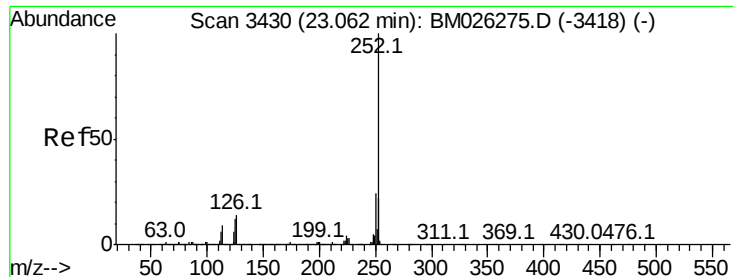


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 5.573 ng

RT: 23.06 min Scan# 3430

Delta R.T. 0.00 min

Lab File: BM026291.D

Acq: 08 Jun 2020 17:44

Instrument :

BNA_M

ClientSampleId :

CHRT-26160

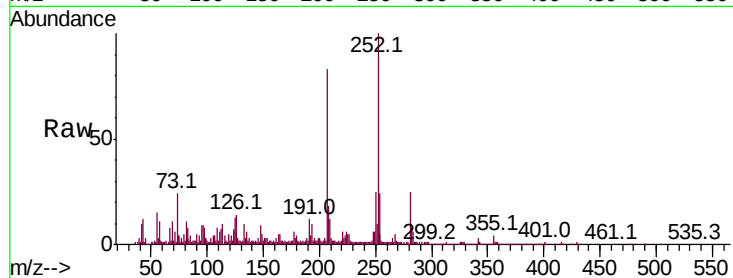
Tot Ion:252 Resp: 269626

Ion Ratio Lower Upper

252 100

253 23.7 17.5 26.3

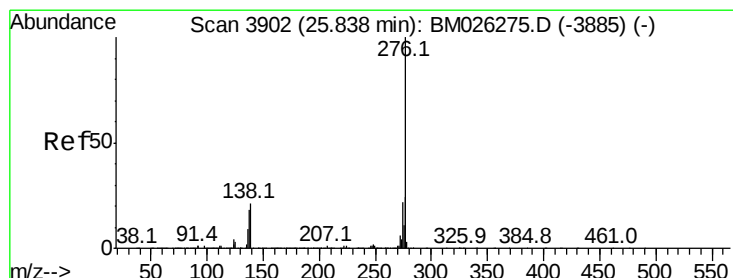
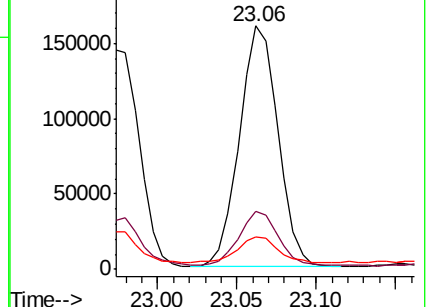
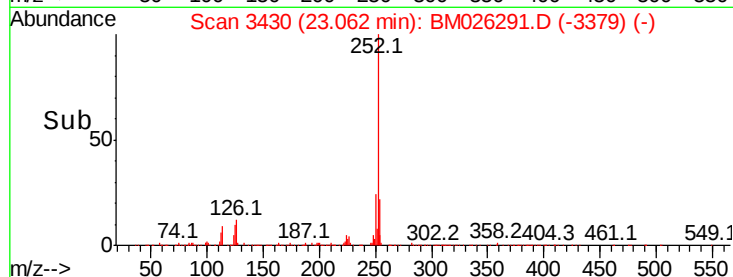
125 13.4 9.4 14.0



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92

Benzo(g,h,i)perylene

Concen: 5.621 ng

RT: 25.83 min Scan# 3901

Delta R.T. 0.00 min

Lab File: BM026291.D

Acq: 08 Jun 2020 17:44

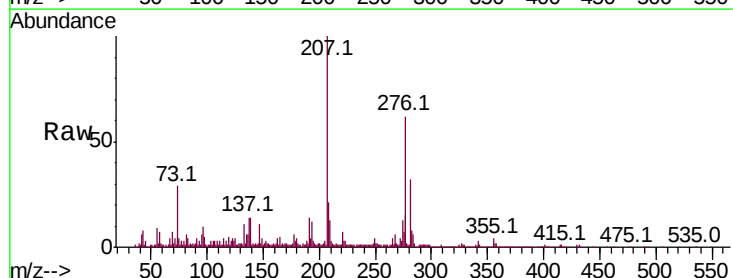
Tgt Ion:276 Resp: 233892

Ion Ratio Lower Upper

276 100

277 23.6 19.3 28.9

138 22.4 16.5 24.7



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

