

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060820\
 Data File : BM026296.D
 Acq On : 08 Jun 2020 20:45
 Operator : JU/CG
 Sample : L2890-03RE
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 72-11979-72-11969RE

Quant Time: Jun 09 01:25:44 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

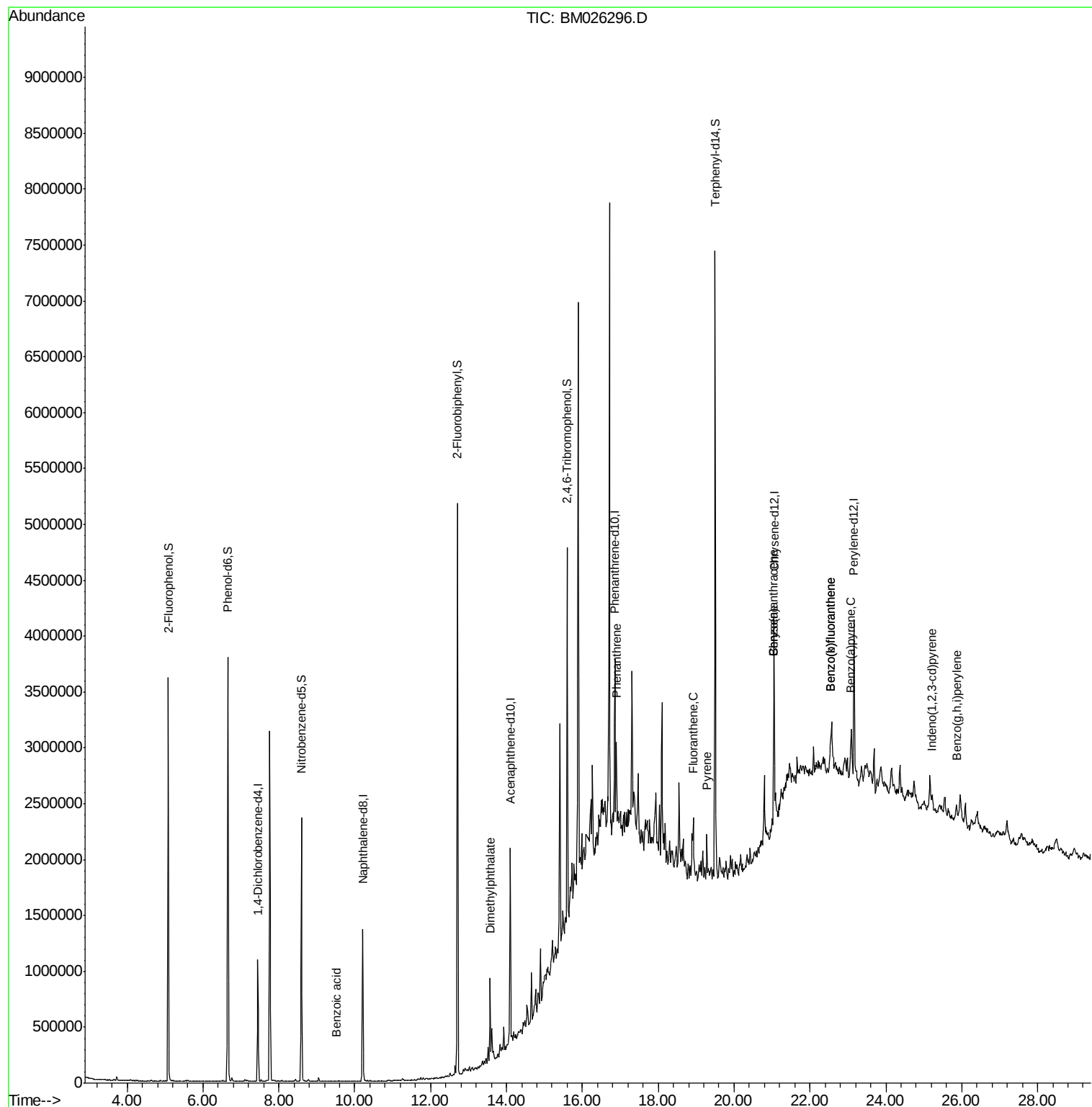
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.45	152	261622	20.00	ng	0.00
21) Naphthalene-d8	10.21	136	1014786	20.00	ng	0.00
39) Acenaphthene-d10	14.10	164	516849	20.00	ng	0.00
64) Phenanthrene-d10	16.86	188	866664	20.00	ng	0.01
76) Chrysene-d12	21.06	240	769856	20.00	ng	0.00
86) Perylene-d12	23.16	264	834726	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.09	112	1409999	95.29	ng	0.01
7) Phenol-d6	6.66	99	1948303	90.93	ng	0.01
23) Nitrobenzene-d5	8.59	82	1288636	62.35	ng	0.00
42) 2,4,6-Tribromophenol	15.60	330	498623	79.64	ng	0.01
45) 2-Fluorobiphenyl	12.71	172	2485233	72.99	ng	0.00
79) Terphenyl-d14	19.50	244	2488784	62.75	ng	0.00
Target Compounds						
32) Benzoic acid	9.51	122	101	5.172	ng	Qvalue # 87
50) Dimethylphthalate	13.57	163	417663	11.048	ng	98
71) Phenanthrene	16.89	178	142111	3.149	ng	# 80
75) Fluoranthene	18.92	202	262925	5.081	ng	98
78) Pyrene	19.29	202	244020	4.797	ng	97
81) Benzo(a)anthracene	21.04	228	142023	3.073	ng	94
83) Chrysene	21.04	228	142023	3.225	ng	97
87) Indeno(1,2,3-cd)pyrene	25.23	276	103035	2.134	ng	95
88) Benzo(b)fluoranthene	22.54	252	260734	5.193	ng	# 67
89) Benzo(k)fluoranthene	22.54	252	260734	5.345	ng	# 66
90) Benzo(a)pyrene	23.07	252	137042	3.073	ng	# 72
92) Benzo(a,h,i)perylene	25.86	276	109991	2.867	ng	# 80

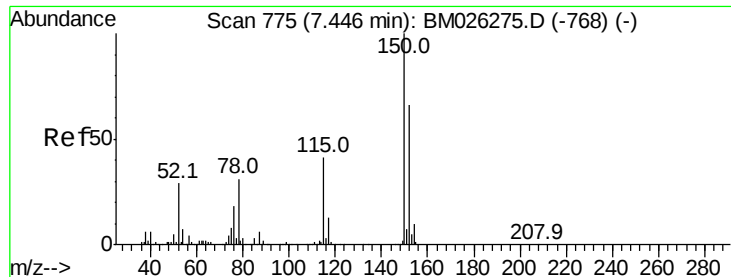
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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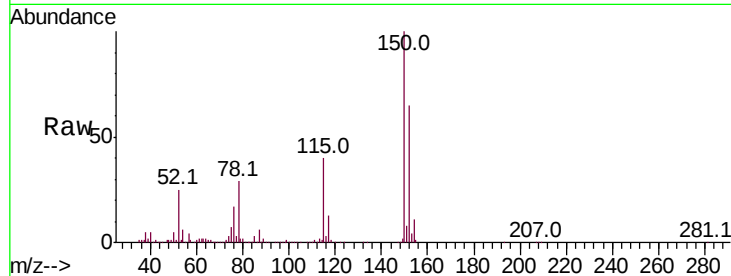


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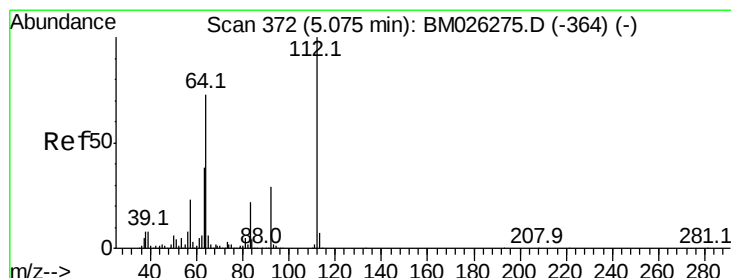
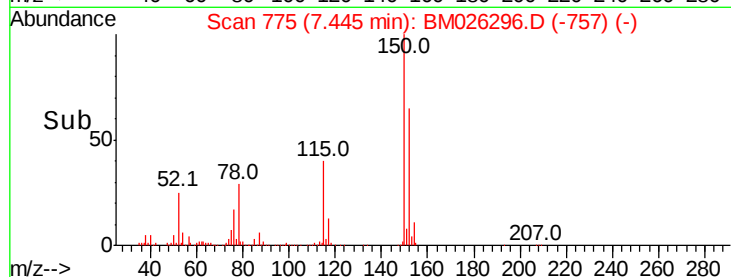
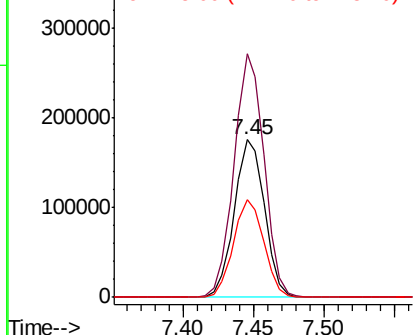
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.45 min Scan# 775
Delta R.T. 0.01 min
Lab File: BM026296.D
Acq: 08 Jun 2020 20:45

Instrument :
BNA_M
ClientSampleId :
72-11979-72-11969RE

Tot Ion:152 Resp: 261622
Ion Ratio Lower Upper
152 100
150 154.8 122.1 183.1
115 61.8 49.7 74.5



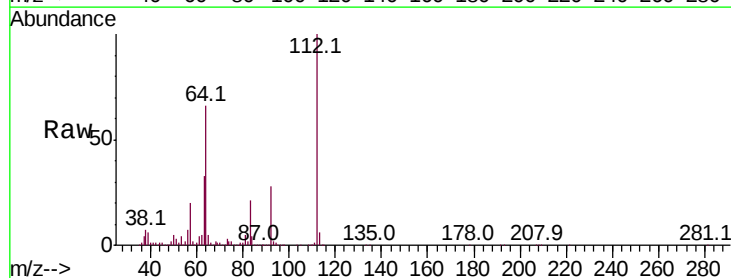
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



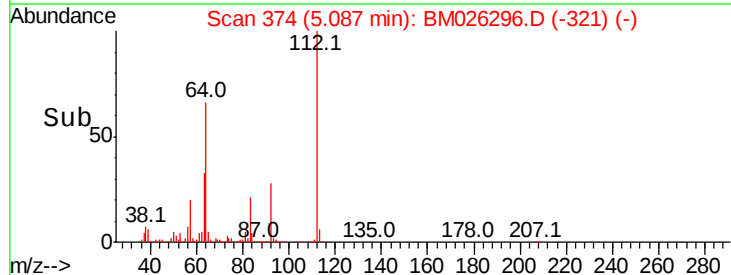
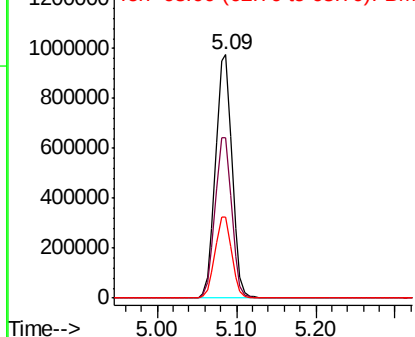
#5

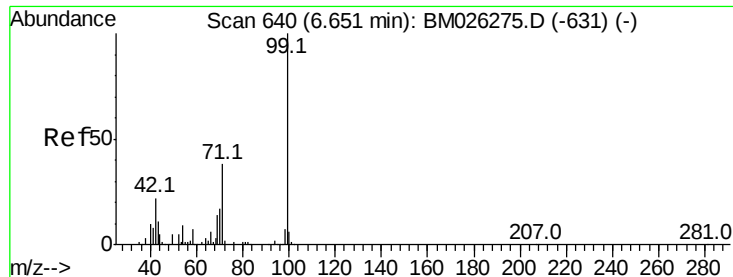
2-Fluorophenol
Concen: 95.287 ng
RT: 5.09 min Scan# 374
Delta R.T. 0.01 min
Lab File: BM026296.D
Acq: 08 Jun 2020 20:45

Tgt Ion:112 Resp: 1409999
Ion Ratio Lower Upper
112 100
64 65.9 58.1 87.1
63 33.2 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: 90.926 ng

RT: 6.66 min Scan# 641

Delta R.T. 0.01 min

Lab File: BM026296.D

Acq: 08 Jun 2020 20:45

Instrument :

BNA_M

ClientSampleId :

72-11979-72-11969RE

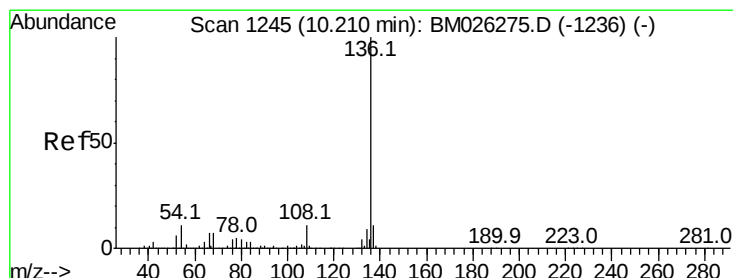
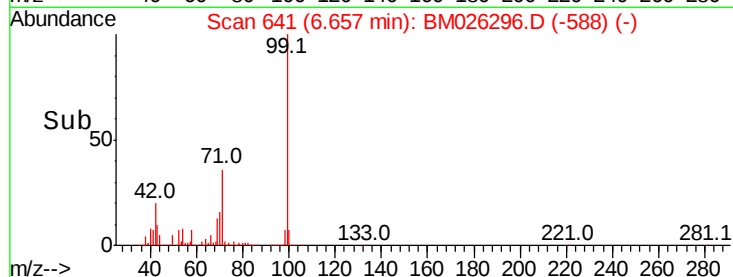
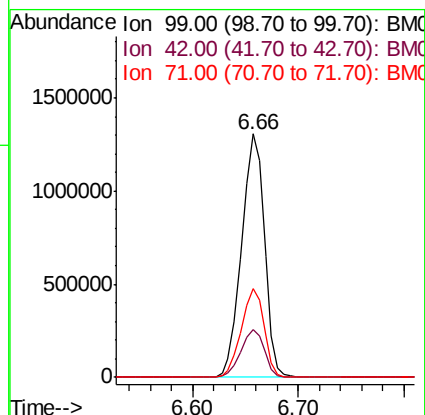
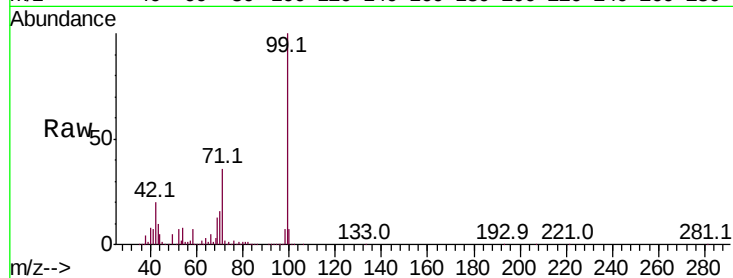
Tot Ion: 99 Resp: 1948303

Ion Ratio Lower Upper

99 100

42 19.7 18.0 27.0

71 36.4 30.6 45.8



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.21 min Scan# 1245

Delta R.T. 0.01 min

Lab File: BM026296.D

Acq: 08 Jun 2020 20:45

Tgt Ion: 136 Resp: 1014786

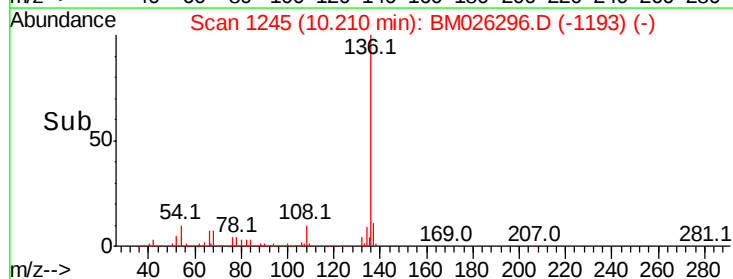
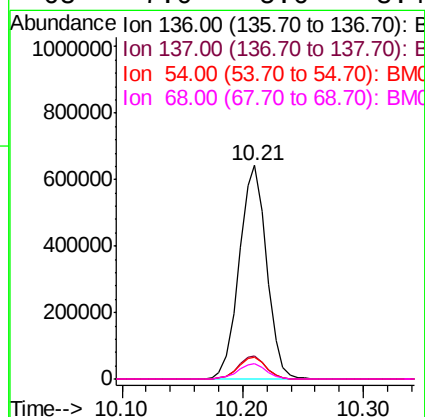
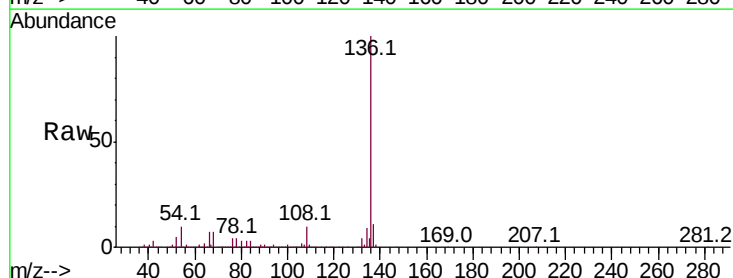
Ion Ratio Lower Upper

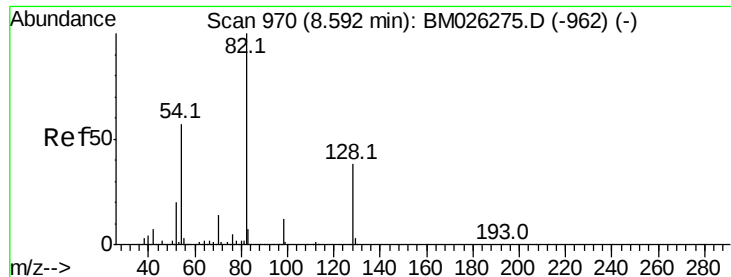
136 100

137 10.7 8.6 13.0

54 10.0 9.0 13.4

68 7.0 5.6 8.4

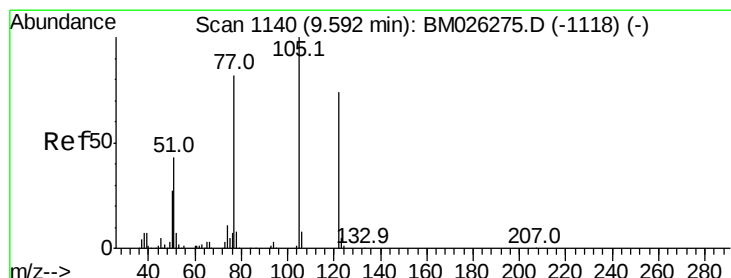
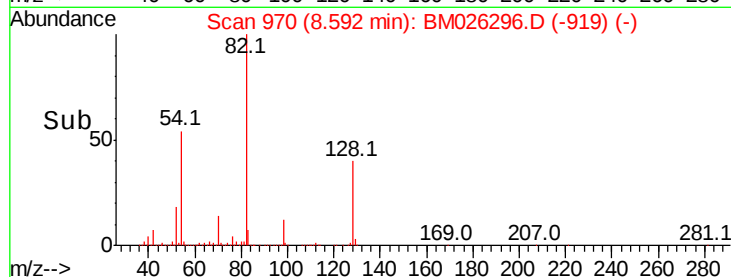
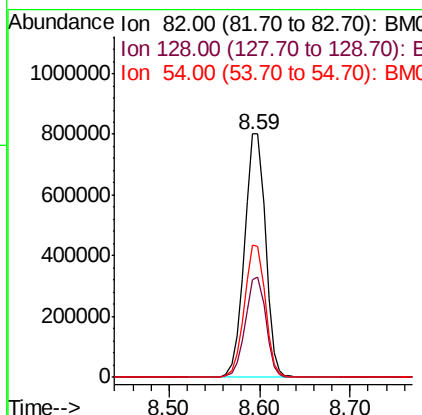
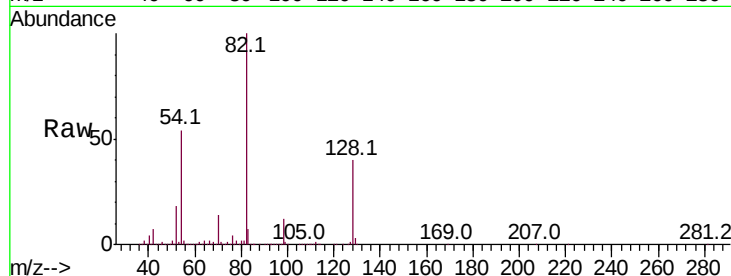




#23
Nitrobenzene-d5
Concen: 62.350 ng
RT: 8.59 min Scan# 970
Delta R.T. 0.00 min
Lab File: BM026296.D
Acq: 08 Jun 2020 20:45

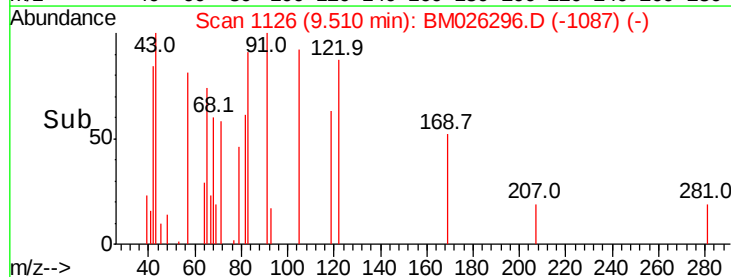
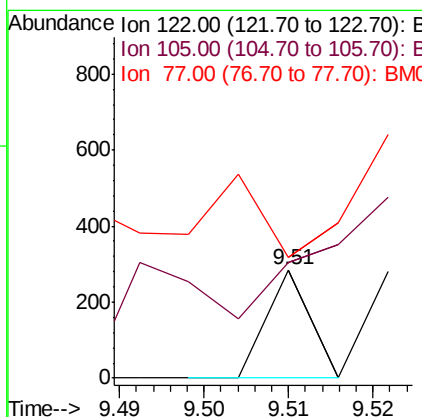
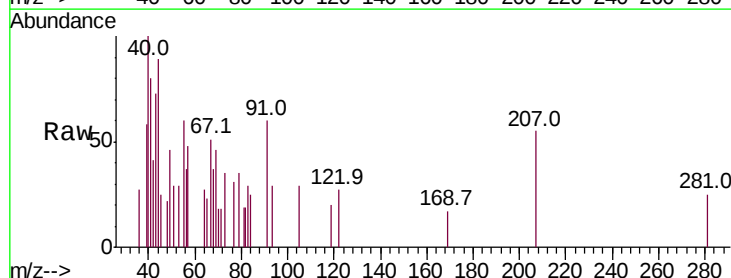
Instrument :
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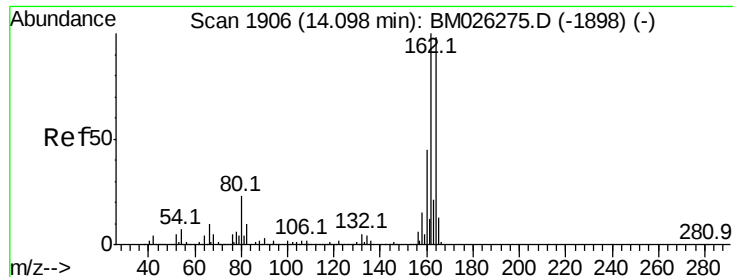
Tot Ion: 82 Resp: 1288636
Ion Ratio Lower Upper
82 100
128 40.3 30.3 45.5
54 54.4 45.4 68.2



#32
Benzoic acid
Concen: 5.172 ng
RT: 9.51 min Scan# 1126
Delta R.T. -0.07 min
Lab File: BM026296.D
Acq: 08 Jun 2020 20:45

Tgt Ion: 122 Resp: 101
Ion Ratio Lower Upper
122 100
105 106.3 112.4 152.4#
77 111.9 89.8 129.8

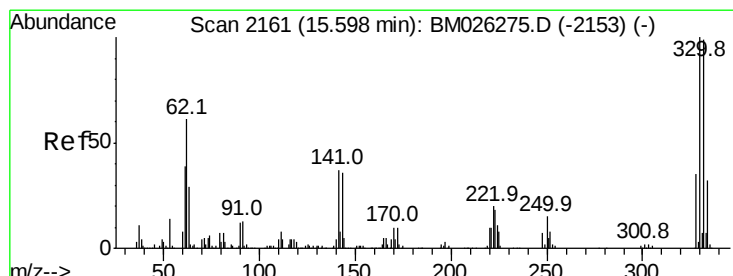
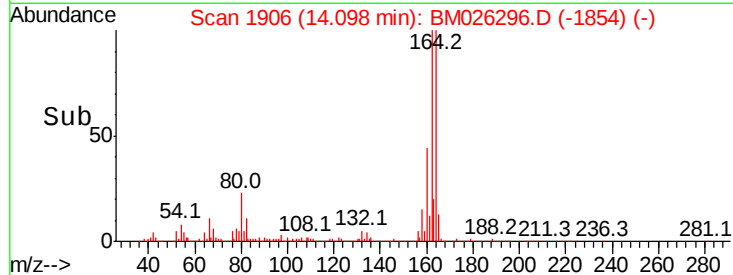
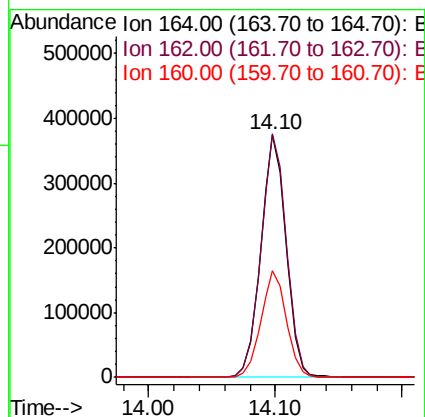
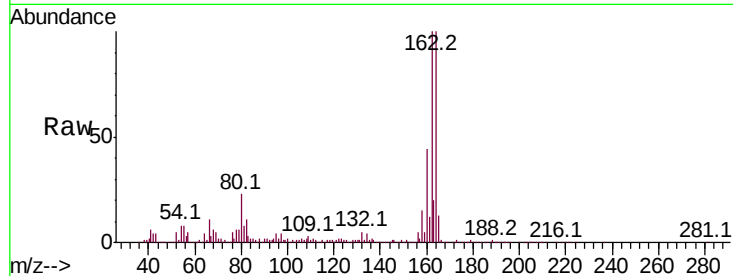




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.10 min Scan# 1906
Delta R.T. 0.01 min
Lab File: BM026296.D
Acq: 08 Jun 2020 20:45

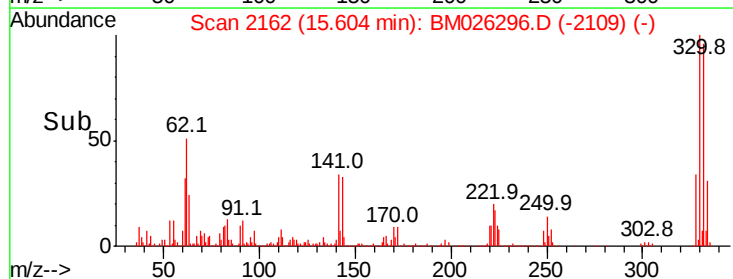
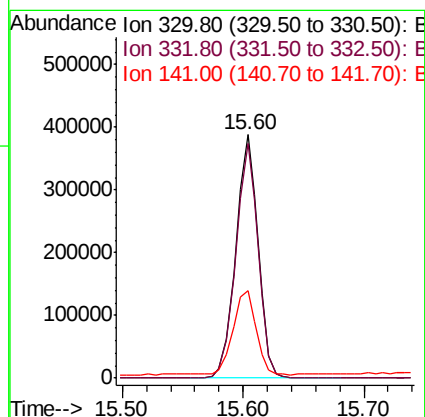
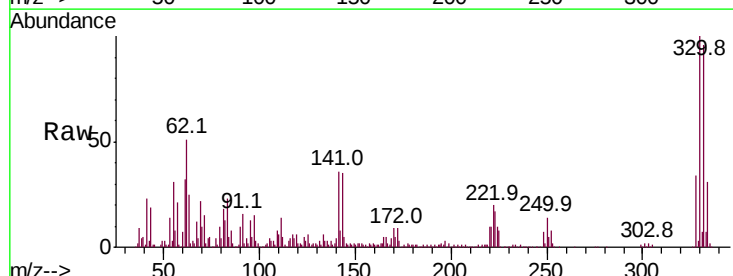
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BNA_M
ClientSampleId :
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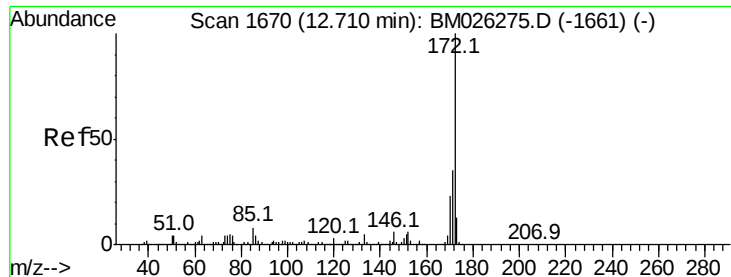
Tot Ion:164 Resp: 516849
Ion Ratio Lower Upper
164 100
162 100.3 81.4 122.2
160 43.8 36.4 54.6



#42
2,4,6-Tribromophenol
Concen: 79.641 ng
RT: 15.60 min Scan# 2162
Delta R.T. 0.01 min
Lab File: BM026296.D
Acq: 08 Jun 2020 20:45

Tgt Ion:330 Resp: 498623
Ion Ratio Lower Upper
330 100
332 96.6 78.1 117.1
141 35.8 30.0 45.0

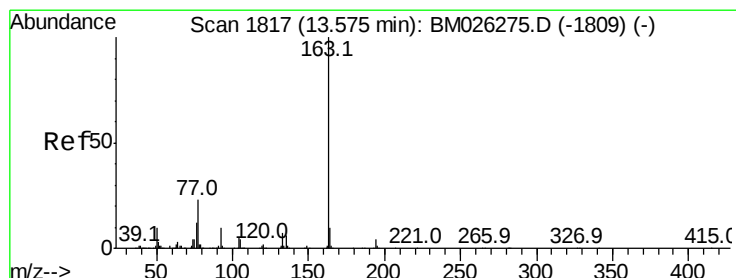
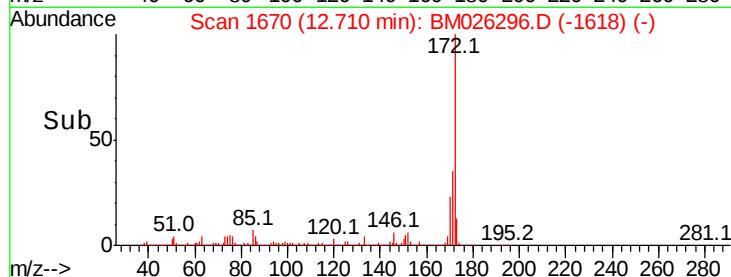
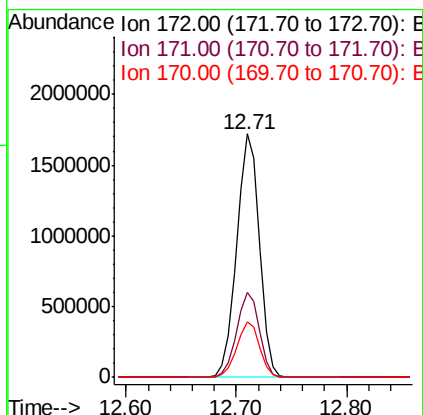
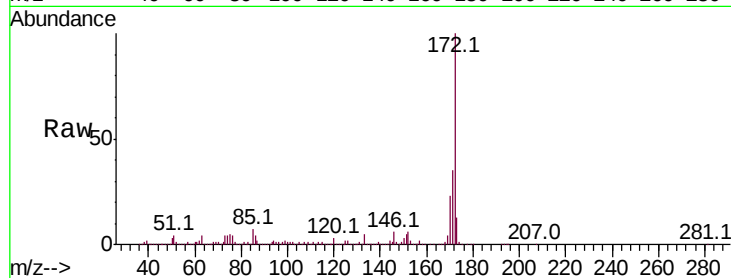




#45
2-Fluorobiphenyl
Concen: 72.990 ng
RT: 12.71 min Scan# 1670
Delta R.T. 0.01 min
Lab File: BM026296.D
Acq: 08 Jun 2020 20:45

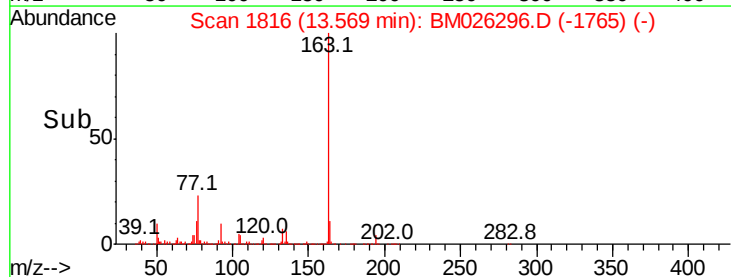
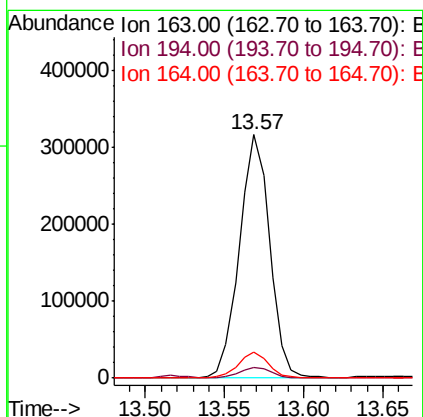
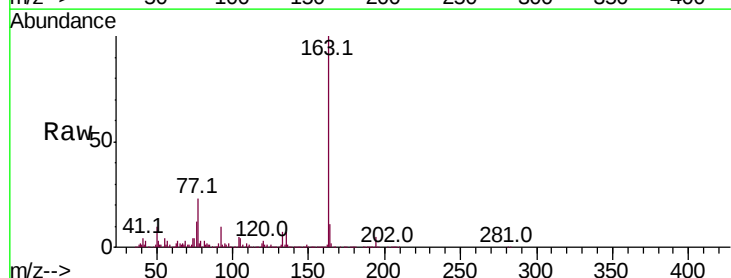
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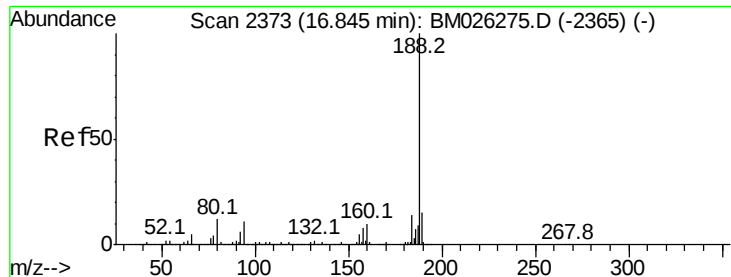
Tot Ion:172 Resp: 2485233
Ion Ratio Lower Upper
172 100
171 34.8 28.2 42.2
170 22.7 18.3 27.5



#50
Dimethylphthalate
Concen: 11.048 ng
RT: 13.57 min Scan# 1816
Delta R.T. 0.00 min
Lab File: BM026296.D
Acq: 08 Jun 2020 20:45

Tgt Ion:163 Resp: 417663
Ion Ratio Lower Upper
163 100
194 4.5 3.4 5.2
164 10.7 8.0 12.0

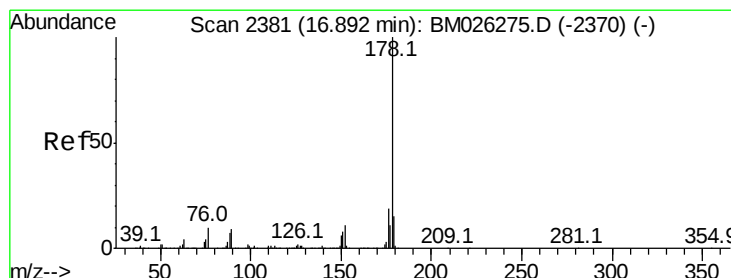
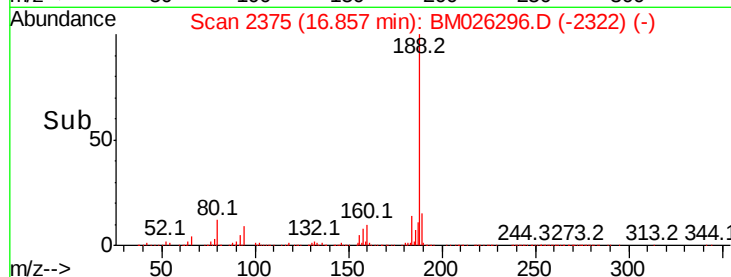
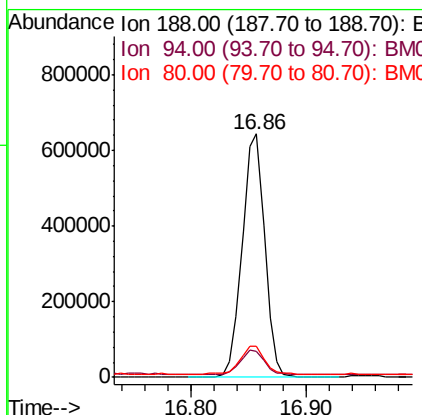
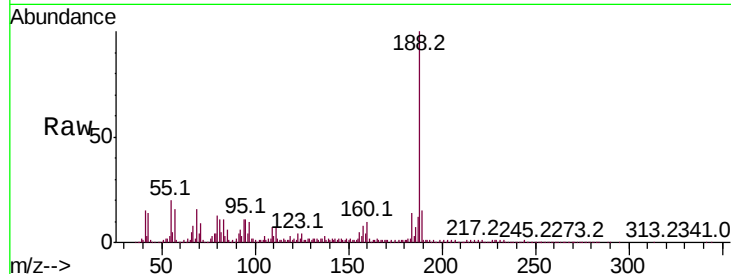




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 16.86 min Scan# 2375
 Delta R.T. 0.01 min
 Lab File: BM026296.D
 Acq: 08 Jun 2020 20:45

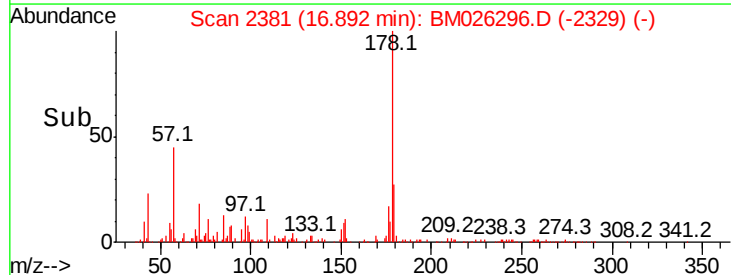
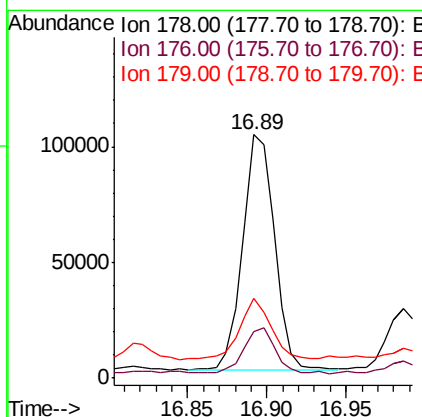
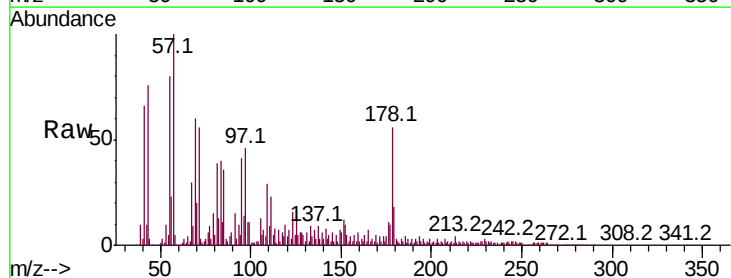
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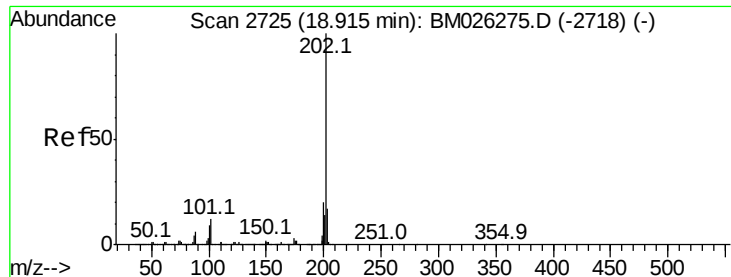
Tot Ion:188 Resp: 866664
 Ion Ratio Lower Upper
 188 100
 94 10.6 8.6 12.8
 80 13.0 9.7 14.5



#71
 Phenanthrene
 Concen: 3.149 ng
 RT: 16.89 min Scan# 2381
 Delta R.T. 0.01 min
 Lab File: BM026296.D
 Acq: 08 Jun 2020 20:45

Tgt Ion:178 Resp: 142111
 Ion Ratio Lower Upper
 178 100
 176 19.0 14.9 22.3
 179 32.7 12.0 18.0#





#75

Fluoranthene

Concen: 5.081 ng

RT: 18.92 min Scan# 2726

Delta R.T. 0.01 min

Lab File: BM026296.D

Acq: 08 Jun 2020 20:45

Instrument :

BNA_M

ClientSampleId :

72-11979-72-11969RE

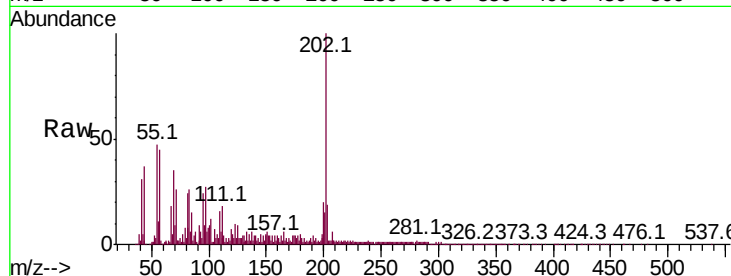
Tot Ion:202 Resp: 262925

Ion Ratio Lower Upper

202 100

101 11.8 0.0 31.6

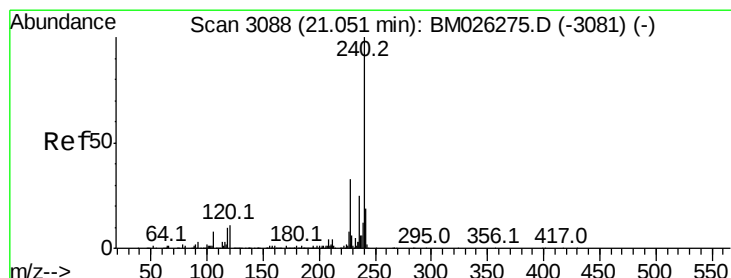
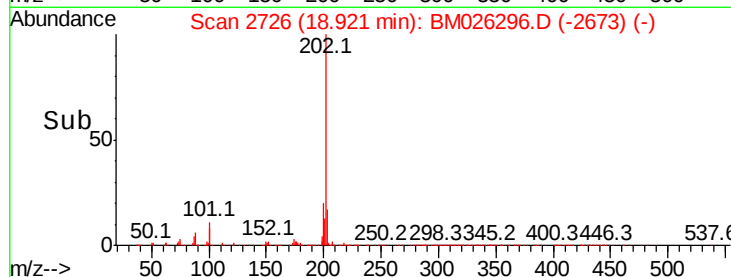
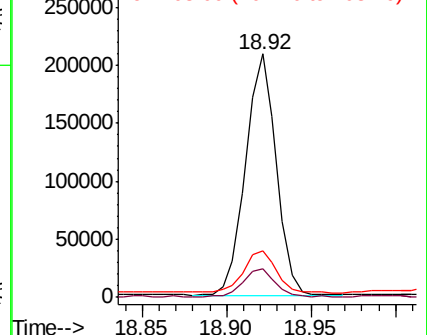
203 19.1 0.0 37.4



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: BM026296.D

Acq: 08 Jun 2020 20:45

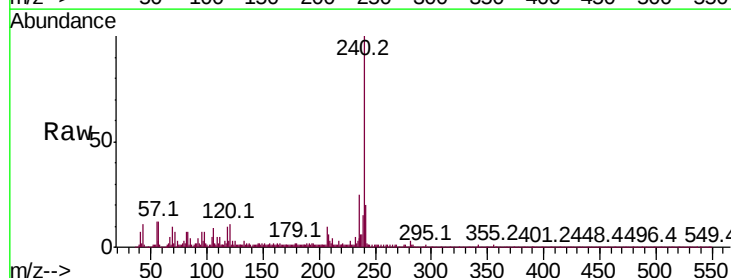
Tgt Ion:240 Resp: 769856

Ion Ratio Lower Upper

240 100

120 11.0 8.9 13.3

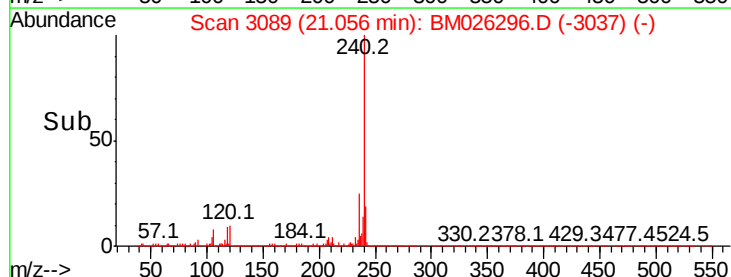
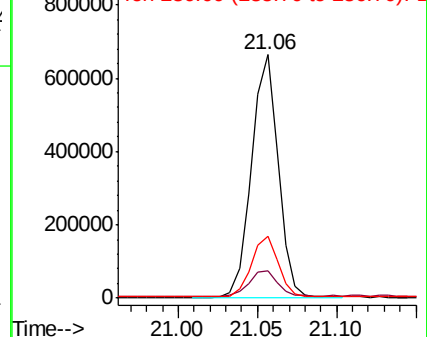
236 25.5 19.7 29.5

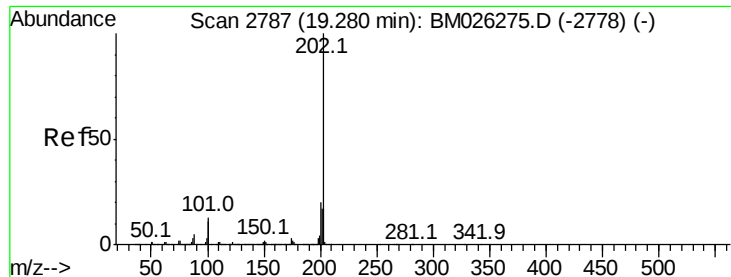


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 4.797 ng

RT: 19.29 min Scan# 2788

Delta R.T. 0.01 min

Lab File: BM026296.D

Acq: 08 Jun 2020 20:45

Instrument :

BNA_M

ClientSampleId :

72-11979-72-11969RE

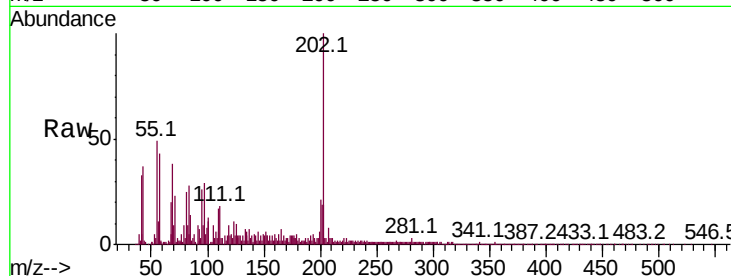
Tot Ion:202 Resp: 244020

Ion Ratio Lower Upper

202 100

200 21.2 16.2 24.4

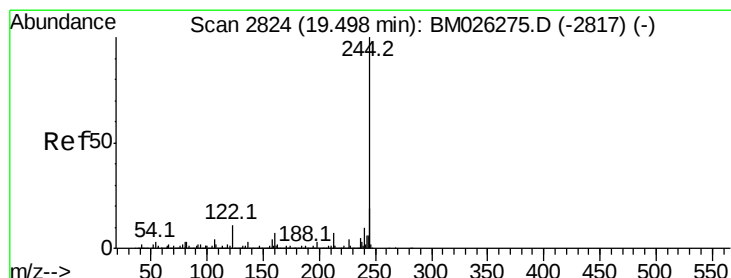
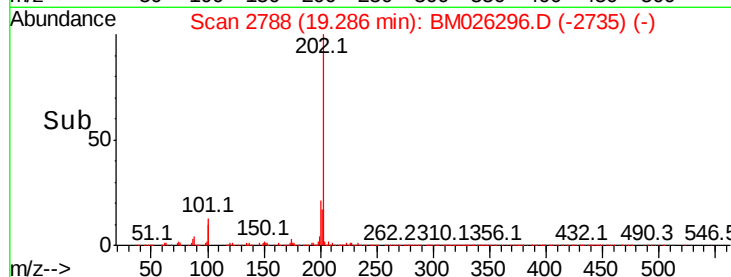
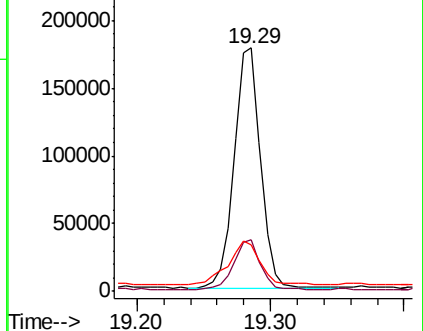
203 19.3 13.8 20.8



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: 62.754 ng

RT: 19.50 min Scan# 2825

Delta R.T. 0.01 min

Lab File: BM026296.D

Acq: 08 Jun 2020 20:45

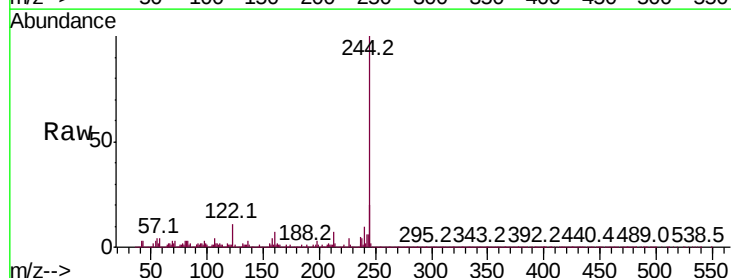
Tgt Ion:244 Resp: 2488784

Ion Ratio Lower Upper

244 100

212 7.2 5.7 8.5

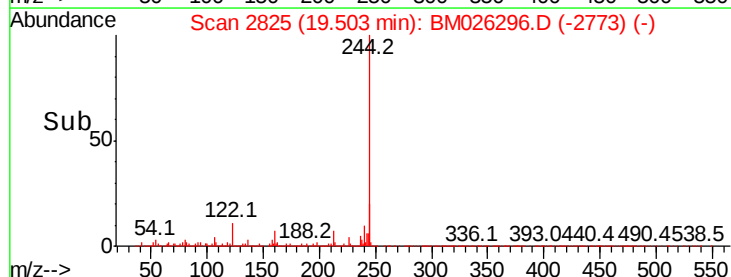
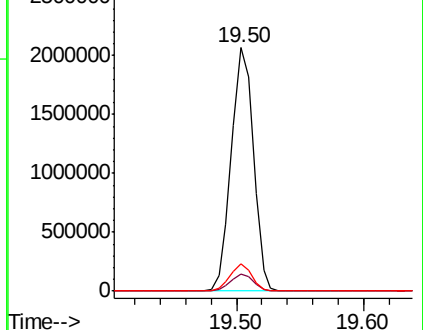
122 11.1 9.1 13.7

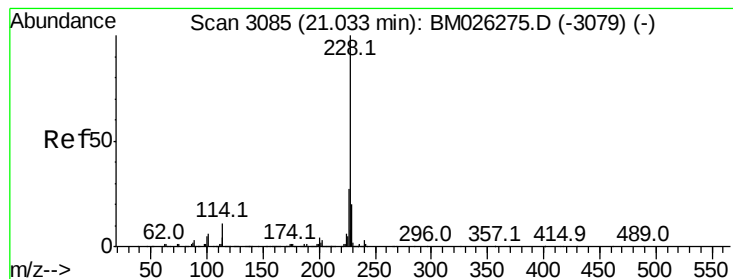


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 3.073 ng

RT: 21.04 min Scan# 3086

Delta R.T. 0.01 min

Lab File: BM026296.D

Acq: 08 Jun 2020 20:45

Instrument :

BNA_M

ClientSampleId :

72-11979-72-11969RE

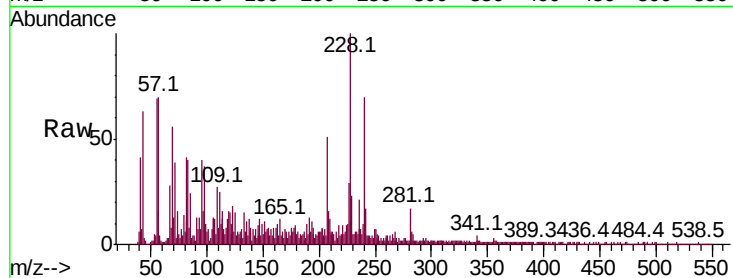
Tot Ion:228 Resp: 142023

Ion Ratio Lower Upper

228 100

226 29.5 21.7 32.5

229 23.5 15.9 23.9

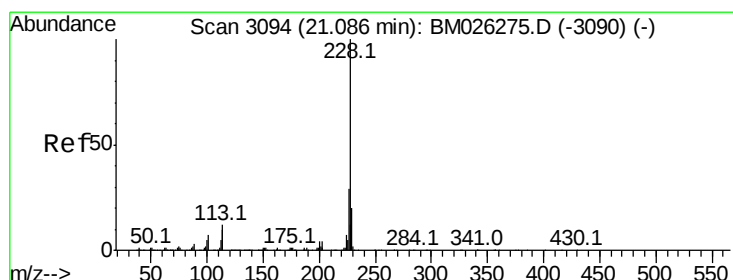
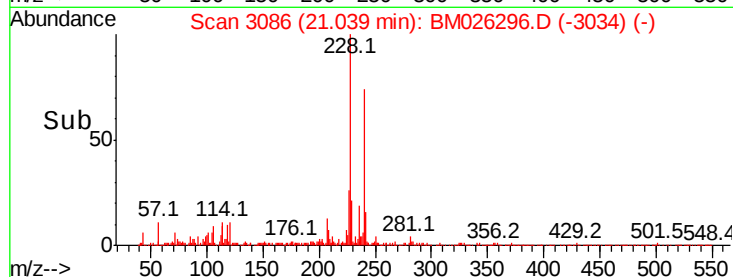
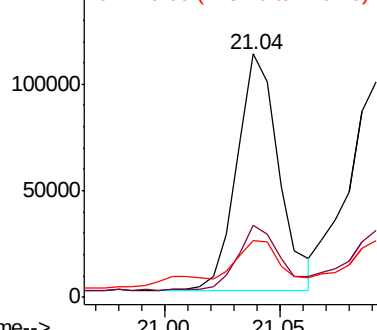


Abundance

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: 3.225 ng

RT: 21.04 min Scan# 3086

Delta R.T. -0.05 min

Lab File: BM026296.D

Acq: 08 Jun 2020 20:45

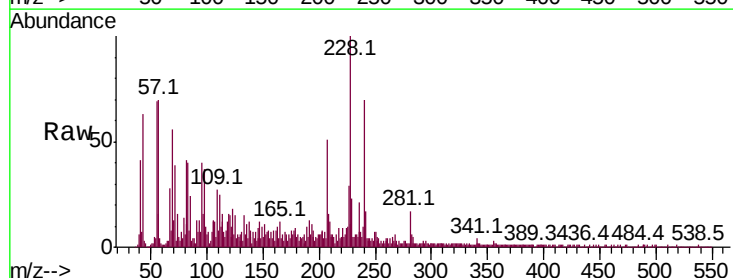
Tgt Ion:228 Resp: 142023

Ion Ratio Lower Upper

228 100

226 29.5 23.5 35.3

229 23.5 15.8 23.6

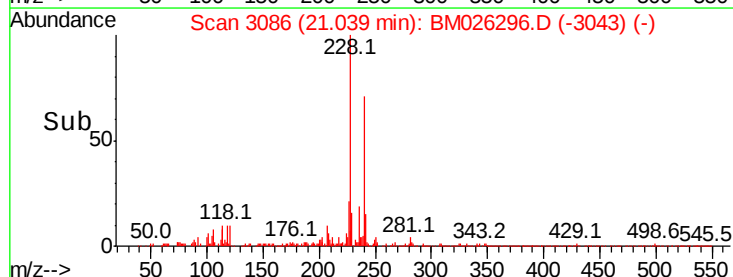
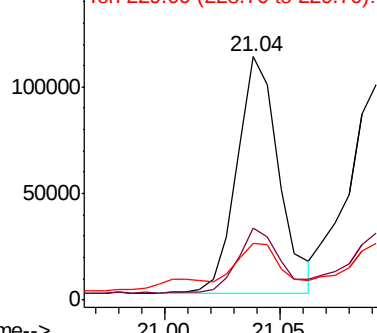


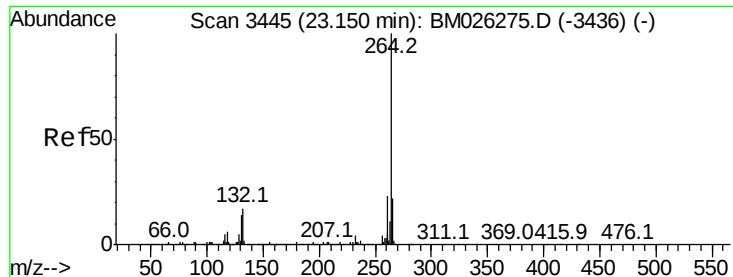
Abundance

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

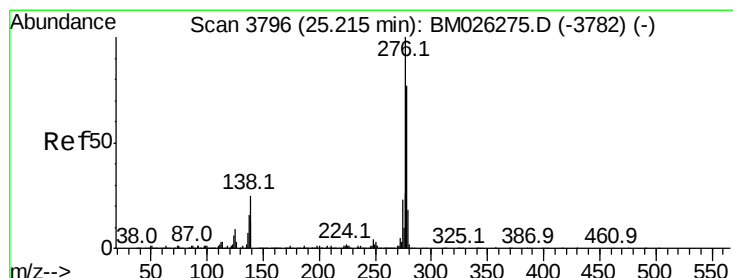
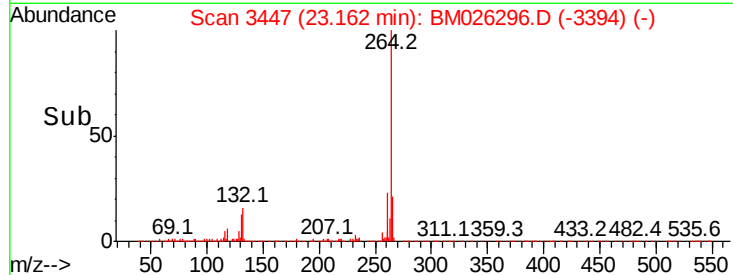
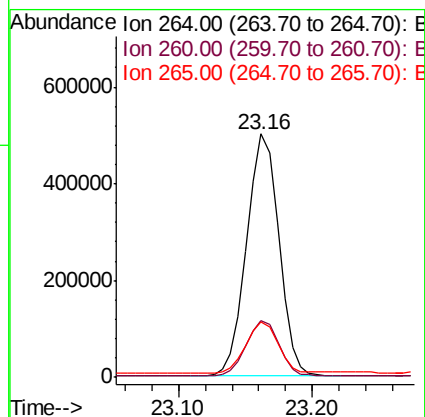
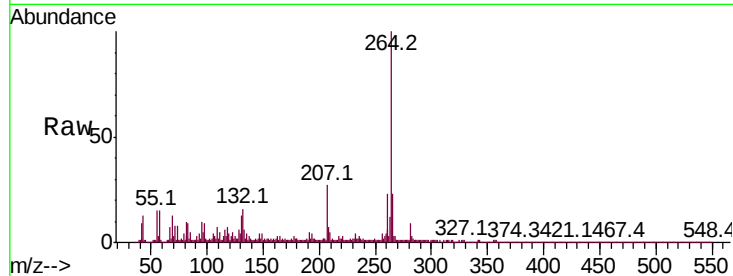




#86
Pervlene-d12
Concen: 20.000 ng
RT: 23.16 min Scan# 3447
Delta R.T. 0.01 min
Lab File: BM026296.D
Acq: 08 Jun 2020 20:45

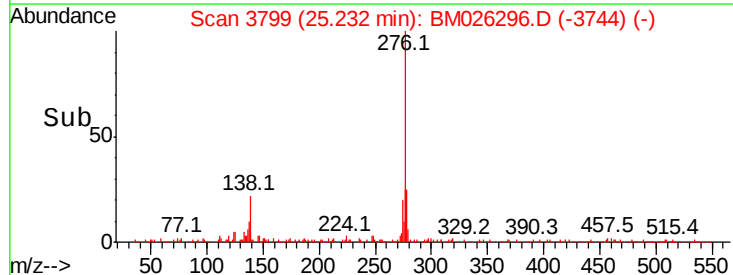
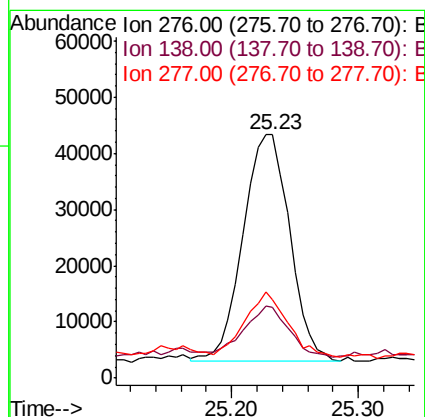
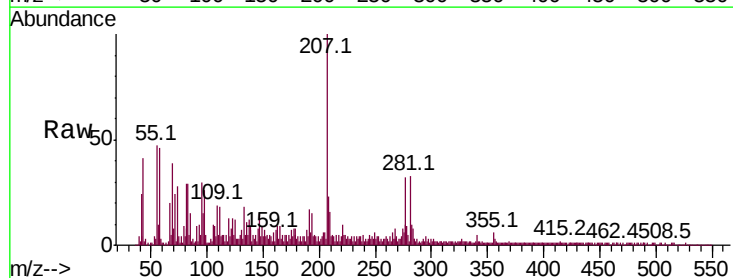
Instrument :
BNA_M
ClientSampleId :
72-11979-72-11969RE

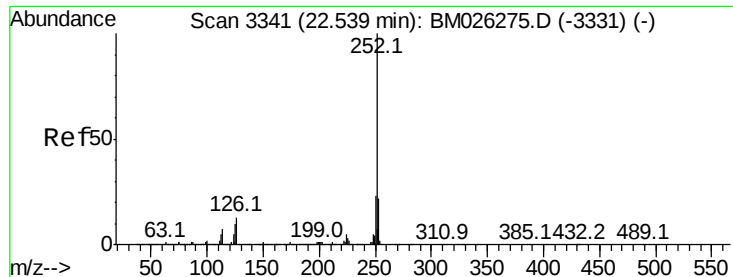
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.6	28.0
265	23.0	18.2	27.2



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.134 ng
RT: 25.23 min Scan# 3799
Delta R.T. 0.02 min
Lab File: BM026296.D
Acq: 08 Jun 2020 20:45

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.8	19.8	29.8
277	27.1	20.2	30.2





#88

Benzo(b)fluoranthene

Concen: 5.193 ng

RT: 22.54 min Scan# 3342

Delta R.T. 0.01 min

Lab File: BM026296.D

Acq: 08 Jun 2020 20:45

Instrument :

BNA_M

ClientSampleId :

72-11979-72-11969RE

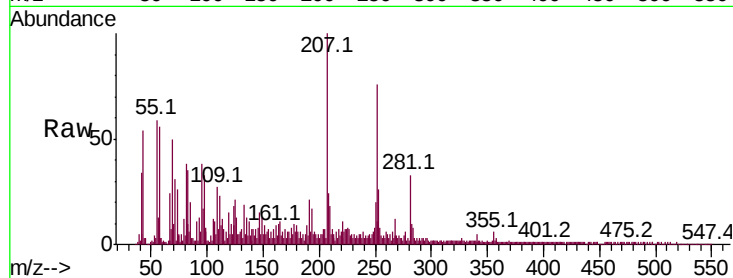
Tot Ion:252 Resp: 260734

Ion Ratio Lower Upper

252 100

253 34.9 17.6 26.4#

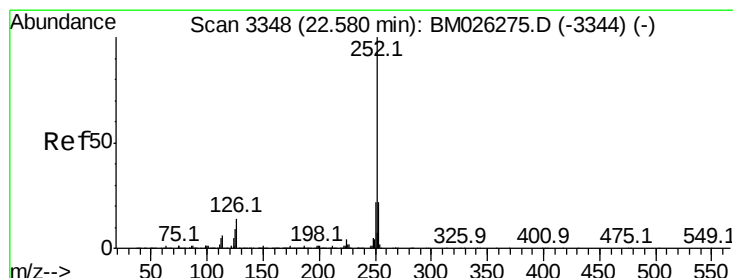
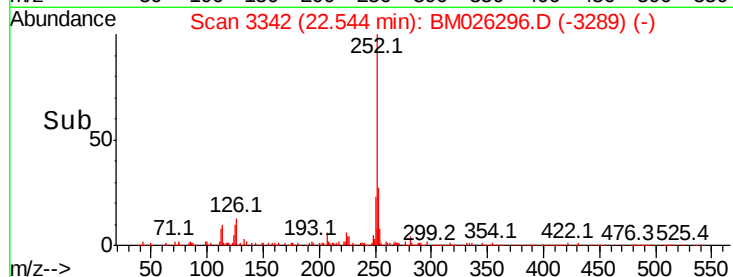
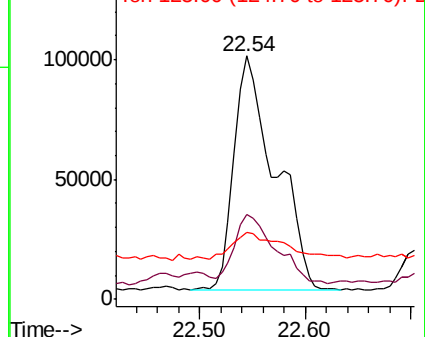
125 27.2 7.9 11.9#



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: 5.345 ng

RT: 22.54 min Scan# 3342

Delta R.T. -0.03 min

Lab File: BM026296.D

Acq: 08 Jun 2020 20:45

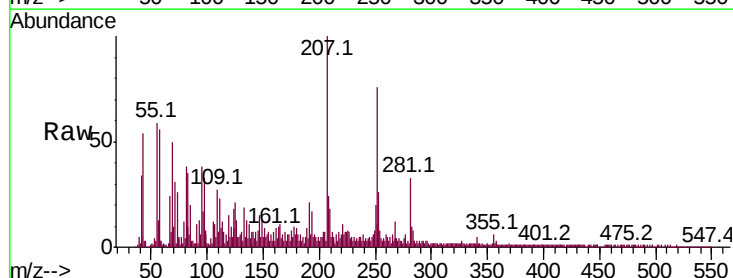
Tgt Ion:252 Resp: 260734

Ion Ratio Lower Upper

252 100

253 34.9 17.3 25.9#

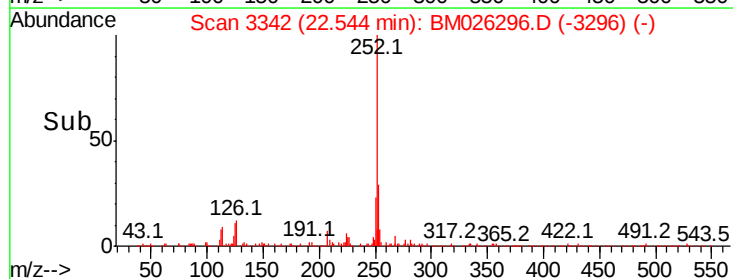
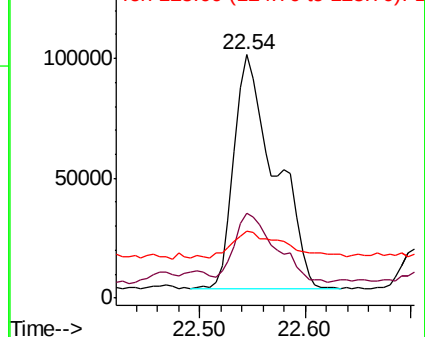
125 27.2 7.8 11.6#

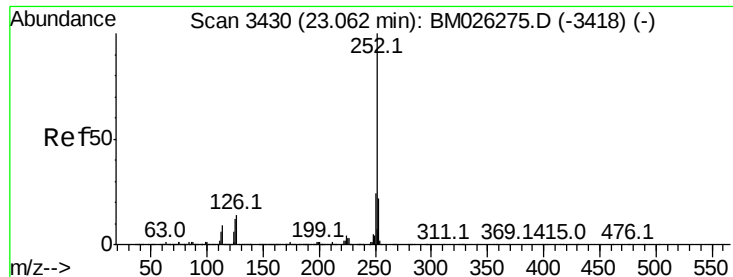


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 3.073 ng

RT: 23.07 min Scan# 3432

Delta R.T. 0.01 min

Lab File: BM026296.D

Acq: 08 Jun 2020 20:45

Instrument :

BNA_M

ClientSampleId :

72-11979-72-11969RE

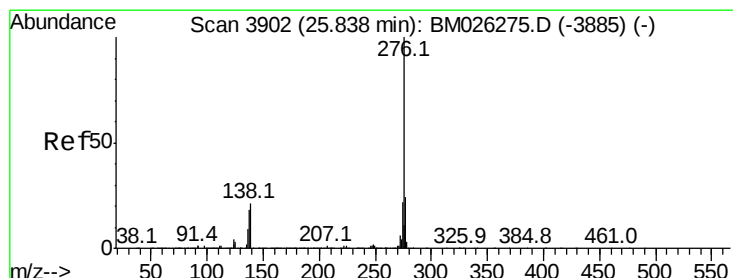
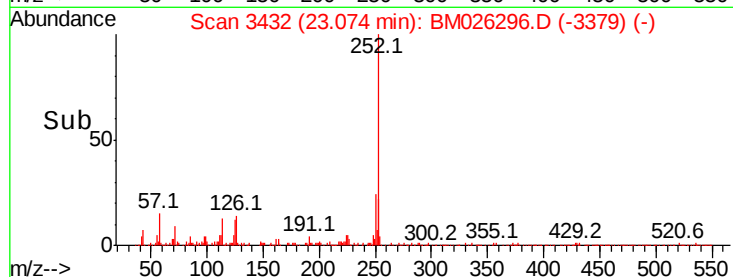
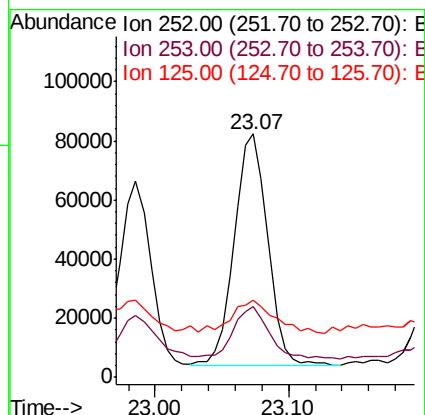
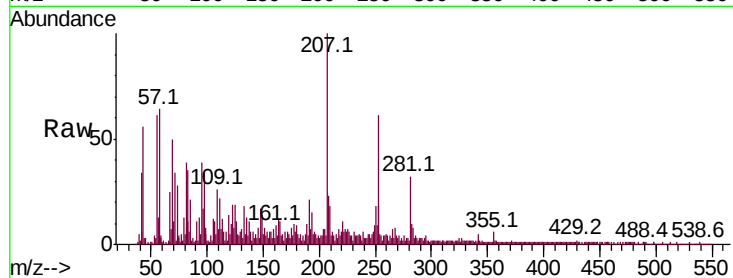
Tot Ion:252 Resp: 137042

Ion Ratio Lower Upper

252 100

253 29.0 17.5 26.3#

125 31.7 9.4 14.0#



#92

Benzo(g,h,i)perylene

Concen: 2.867 ng

RT: 25.86 min Scan# 3905

Delta R.T. 0.02 min

Lab File: BM026296.D

Acq: 08 Jun 2020 20:45

Tgt Ion:276 Resp: 109991

Ion Ratio Lower Upper

276 100

277 33.9 19.3 28.9#

138 30.0 16.5 24.7#

