

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM051219\
 Data File : BM020297.D
 Acq On : 12 May 2019 14:20
 Operator : JU/SJ
 Sample : K2766-09
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 P026-SS007-1824-01

Quant Time: May 13 05:22:17 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 01 03:58:37 2019
 Response via : Initial Calibration

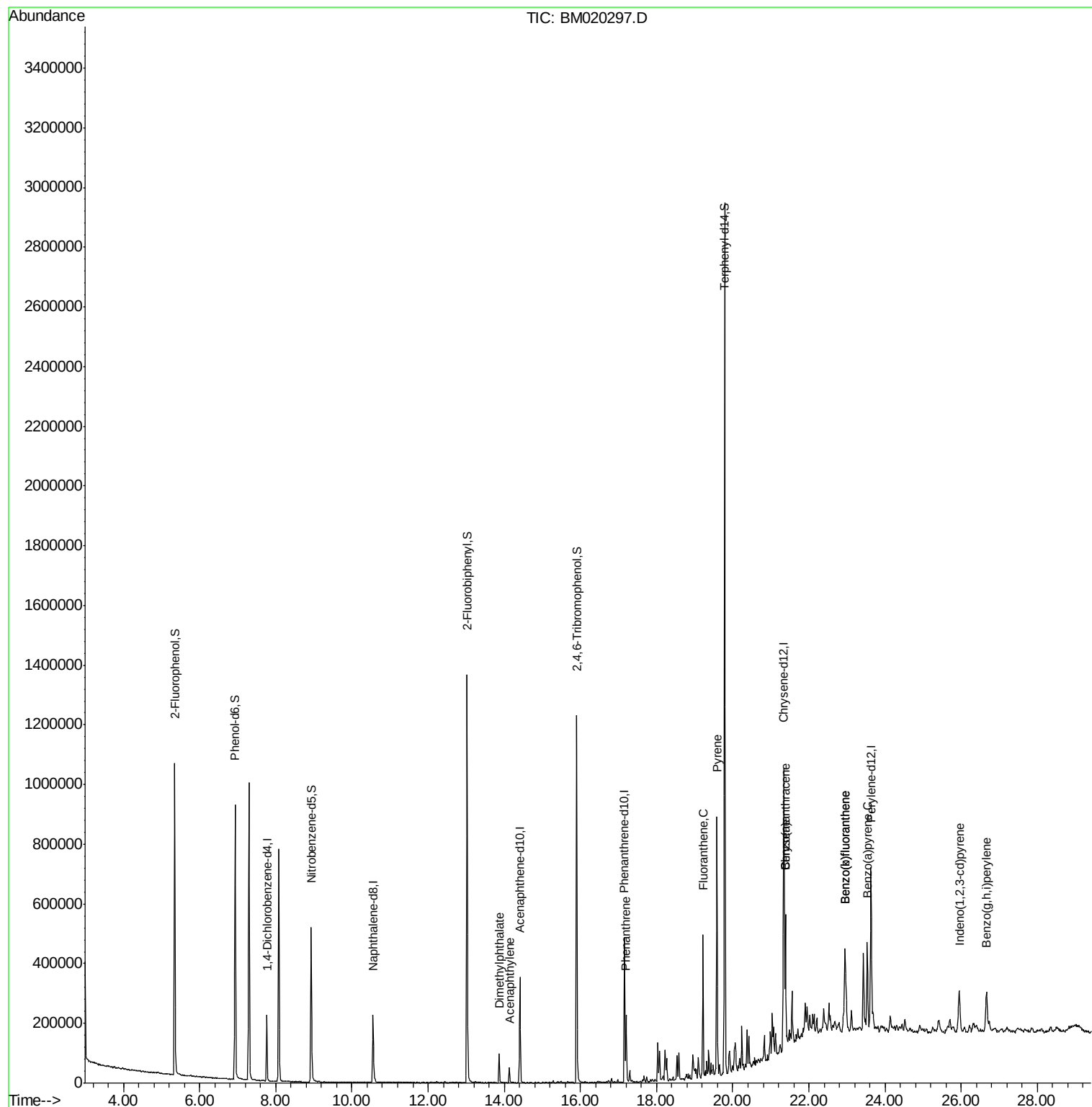
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	55888	20.00	ng	-0.03
21) Naphthalene-d8	10.56	136	190882	20.00	ng	-0.03
39) Acenaphthene-d10	14.41	164	116929	20.00	ng	-0.02
64) Phenanthrene-d10	17.16	188	299819	20.00	ng	-0.02
76) Chrysene-d12	21.34	240	340393	20.00	ng	-0.02
87) Perylene-d12	23.63	264	405955	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	405503	118.60	ng	-0.02
7) Phenol-d6	6.93	99	532207	113.94	ng	-0.02
23) Nitrobenzene-d5	8.93	82	357001	73.84	ng	-0.03
42) 2,4,6-Tribromophenol	15.90	330	230675	127.10	ng	-0.02
45) 2-Fluorobiphenyl	13.03	172	710737	74.79	ng	-0.03
79) Terphenyl-d14	19.79	244	1372480	70.33	ng	-0.02
Target Compounds						
49) Acenaphthylene	14.13	152	40979	3.332	ng	Qvalue 97
50) Dimethylphthalate	13.87	163	58706	5.907	ng	97
71) Phenanthrene	17.20	178	141925	8.575	ng	98
75) Fluoranthene	19.22	202	271935	12.986	ng	99
78) Pyrene	19.59	202	531211	23.244	ng	100
81) Benzo(a)anthracene	21.39	228	204605	8.571	ng	97
83) Chrysene	21.39	228	240368	10.382	ng	100
86) Indeno(1,2,3-cd)pyrene	25.95	276	140467	5.101	ng	# 100
88) Benzo(b)fluoranthene	22.94	252	331168	12.354	ng	98
89) Benzo(k)fluoranthene	22.94	252	330861	13.530	ng	# 97
90) Benzo(a)pyrene	23.53	252	182804	7.507	ng	97
92) Benzo(g,h,i)perylene	26.66	276	169125	7.035	ng	98

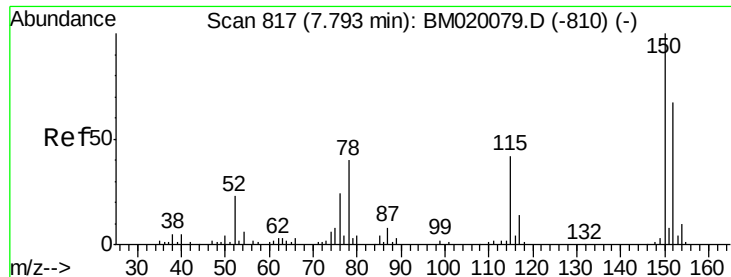
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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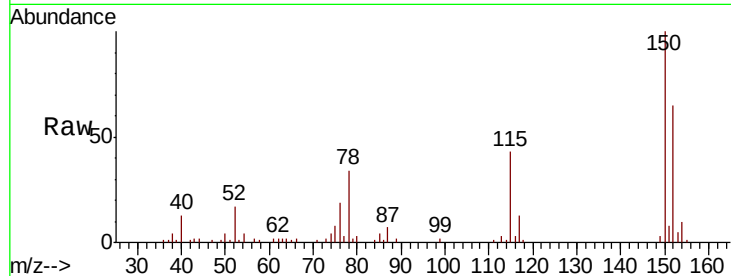


#1

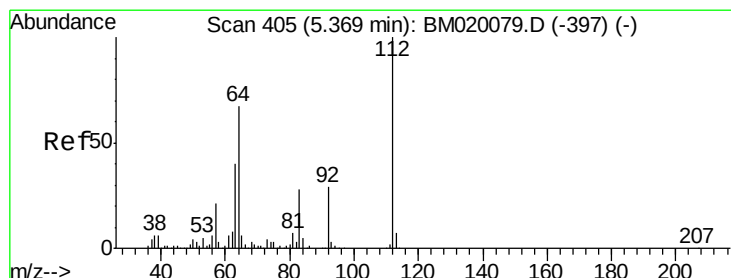
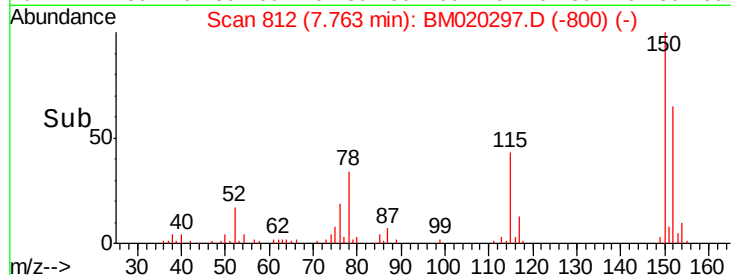
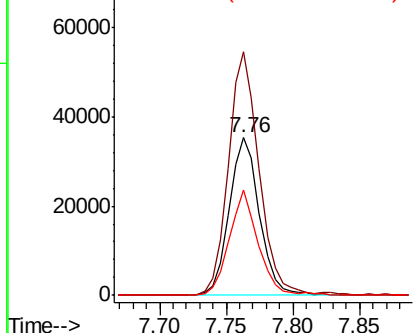
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.76 min Scan# 812
Delta R.T. -0.03 min
Lab File: BM020297.D
Acq: 12 May 2019 14:20

Instrument :
BNA_M
ClientSampleId :
P026-SS007-1824-01

Tgt Ion:152 Resp: 55888
Ion Ratio Lower Upper
152 100
150 154.3 119.8 179.8
115 67.0 50.8 76.2



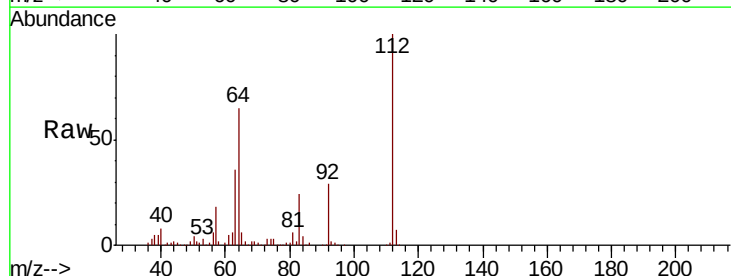
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



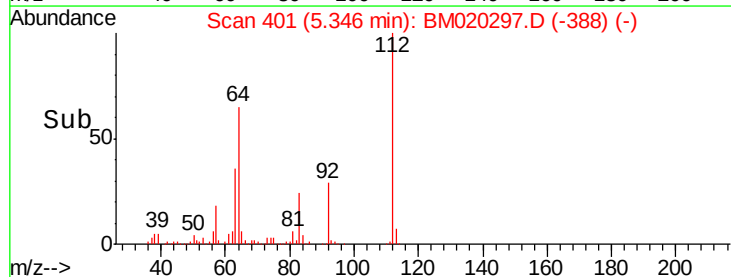
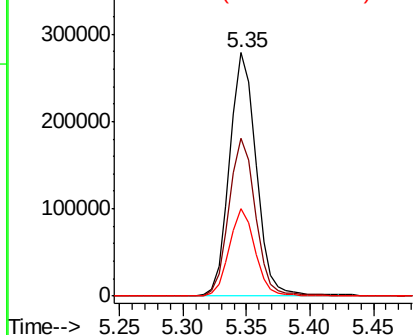
#5

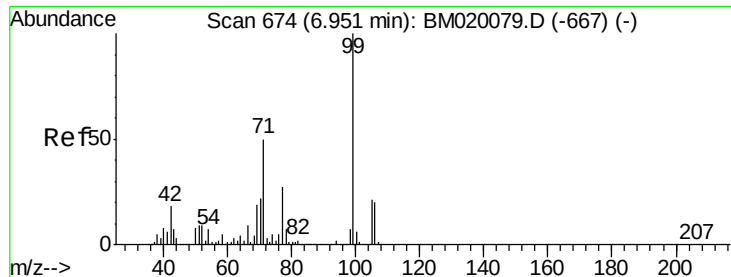
2-Fluorophenol
Concen: 118.600 ng
RT: 5.35 min Scan# 401
Delta R.T. -0.02 min
Lab File: BM020297.D
Acq: 12 May 2019 14:20

Tgt Ion:112 Resp: 405503
Ion Ratio Lower Upper
112 100
64 64.9 53.8 80.6
63 35.8 32.3 48.5



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: 113.940 ng

RT: 6.93 min Scan# 671

Delta R.T. -0.02 min

Lab File: BM020297.D

Acq: 12 May 2019 14:20

Instrument :

BNA_M

ClientSampleId :

P026-SS007-1824-01

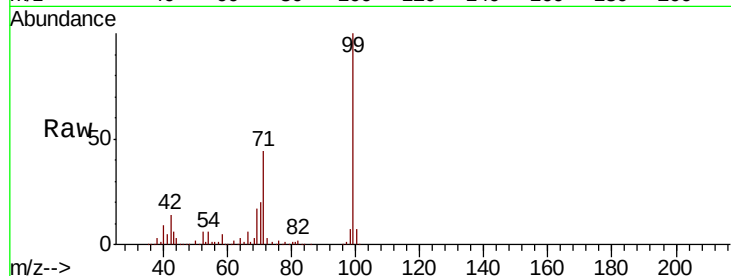
Tgt Ion: 99 Resp: 532207

Ion Ratio Lower Upper

99 100

42 14.2 14.2 21.2

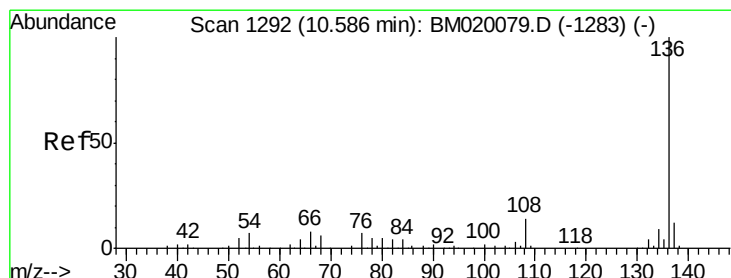
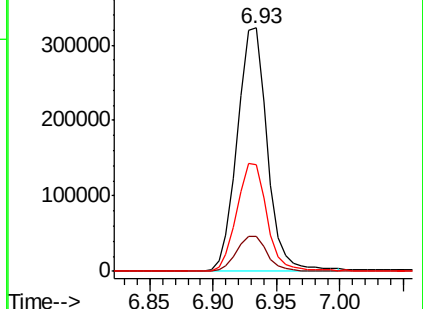
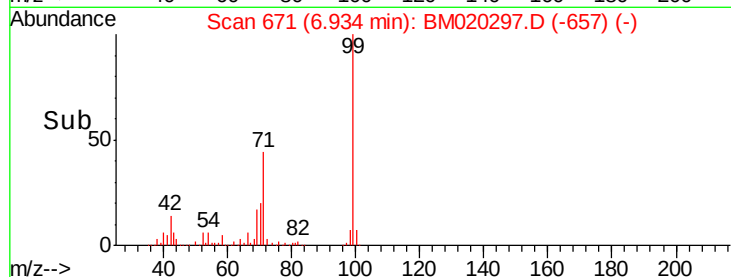
71 43.6 40.3 60.5



Abundance Ion 99.00 (98.70 to 99.70): BM020297.D (-667) (-)

Ion 42.00 (41.70 to 42.70): BM020297.D (-667) (-)

Ion 71.00 (70.70 to 71.70): BM020297.D (-667) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.56 min Scan# 1287

Delta R.T. -0.03 min

Lab File: BM020297.D

Acq: 12 May 2019 14:20

Tgt Ion: 136 Resp: 190882

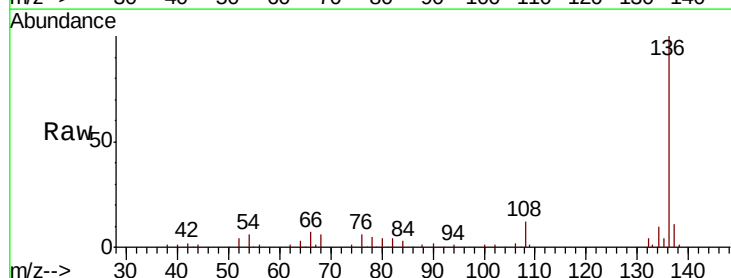
Ion Ratio Lower Upper

136 100

137 10.6 9.6 14.4

54 6.0 5.5 8.3

68 6.2 4.6 6.8

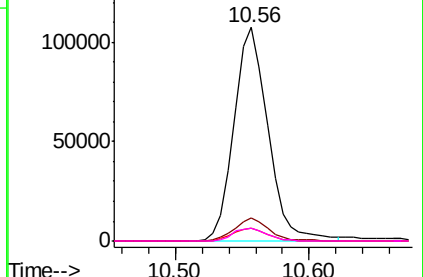
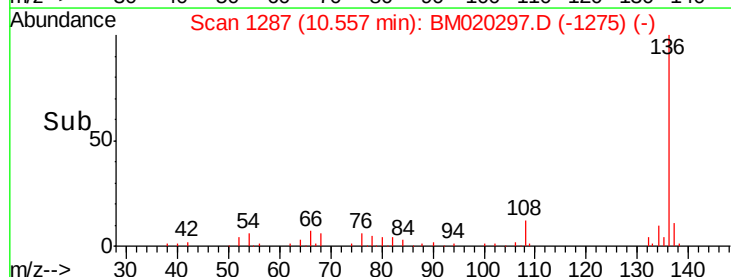


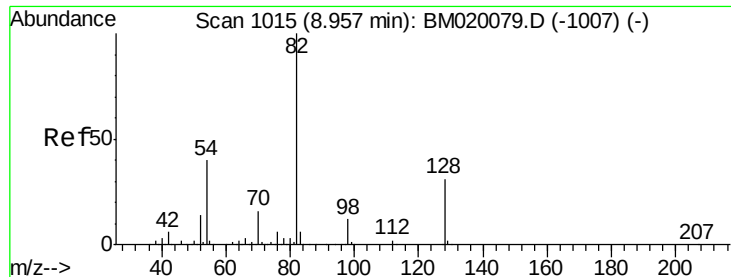
Abundance Ion 136.00 (135.70 to 136.70): BM020297.D (-1275) (-)

Ion 137.00 (136.70 to 137.70): BM020297.D (-1275) (-)

Ion 54.00 (53.70 to 54.70): BM020297.D (-1275) (-)

Ion 68.00 (67.70 to 68.70): BM020297.D (-1275) (-)

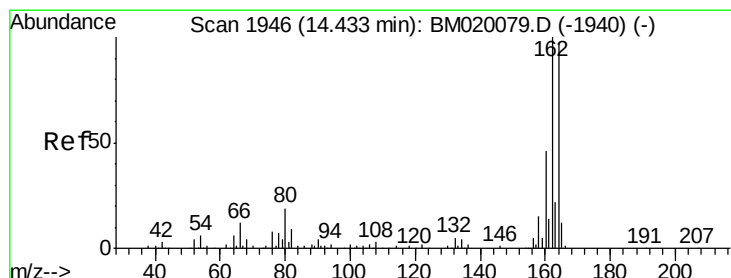
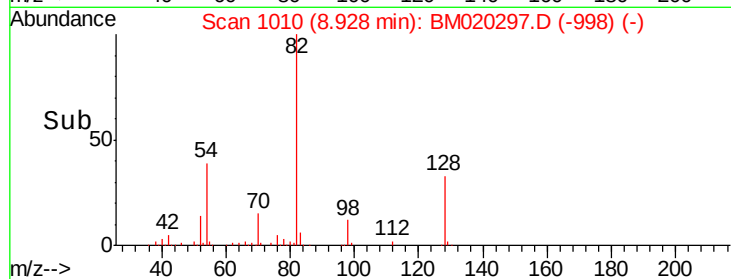
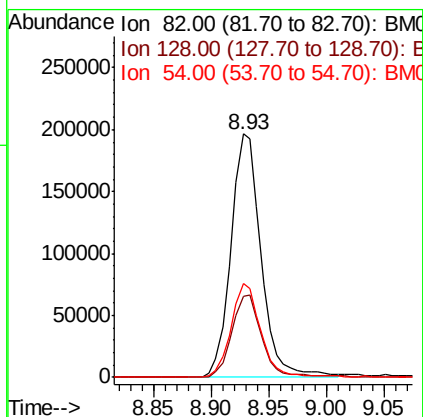
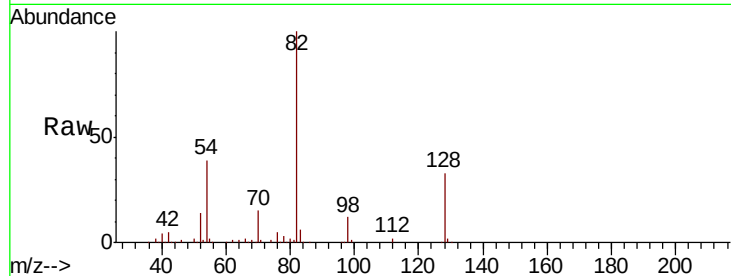




#23
Nitrobenzene-d5
Concen: 73.838 ng
RT: 8.93 min Scan# 1010
Delta R.T. -0.03 min
Lab File: BM020297.D
Acq: 12 May 2019 14:20

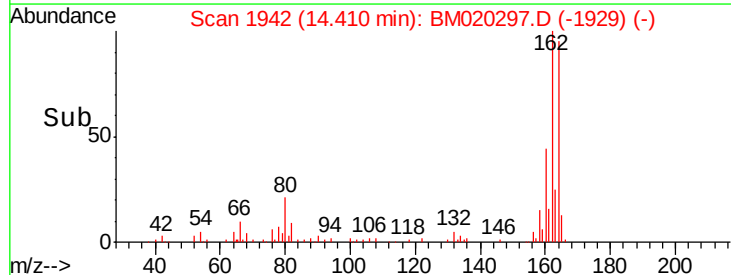
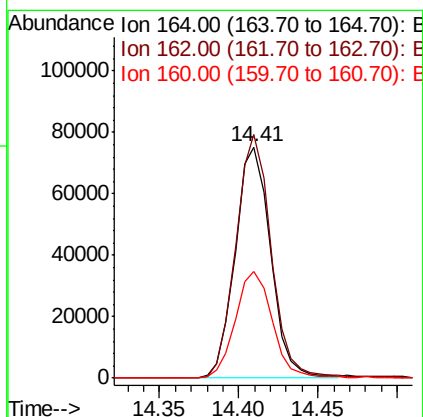
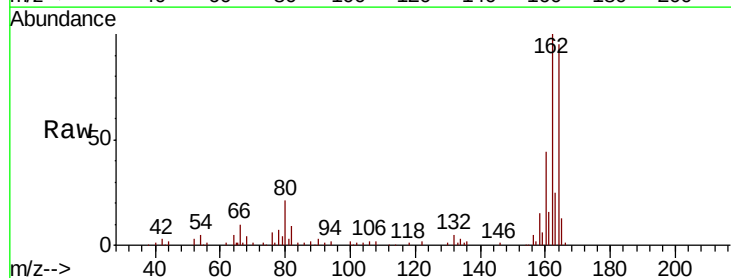
Instrument :
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ClientSampleId :
P026-SS007-1824-01

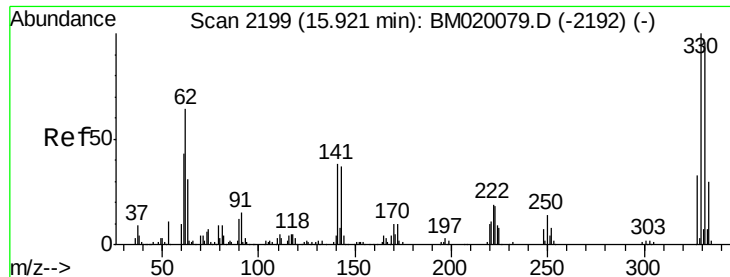
Tgt Ion	Ratio	Lower	Upper
82	100		
128	33.1	25.2	37.8
54	38.6	31.9	47.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.41 min Scan# 1942
Delta R.T. -0.02 min
Lab File: BM020297.D
Acq: 12 May 2019 14:20

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.4	82.2	123.2
160	46.3	37.6	56.4

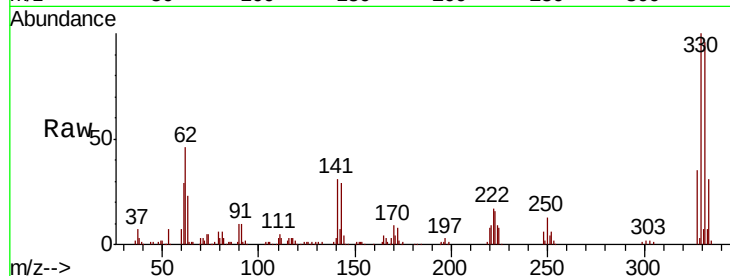




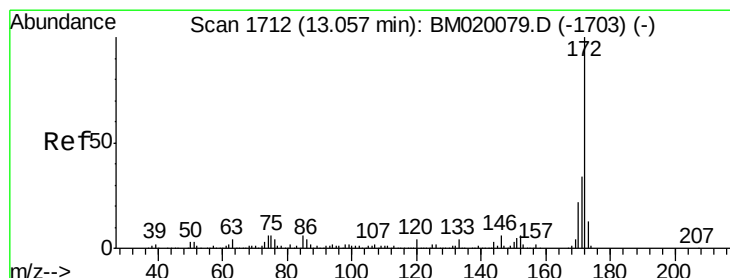
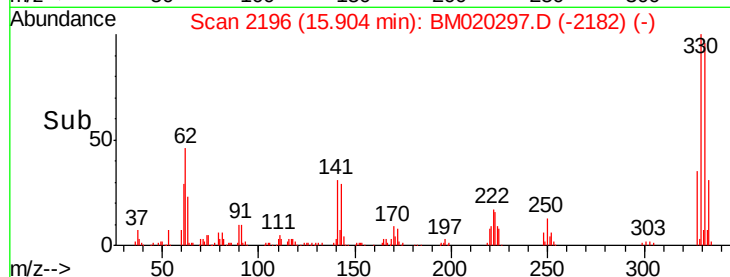
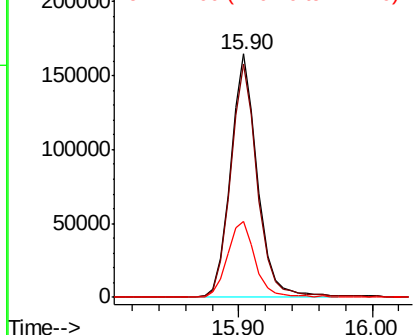
#42
 2,4,6-Tribromophenol
 Concen: 127.097 ng
 RT: 15.90 min Scan# 2196
 Delta R.T. -0.02 min
 Lab File: BM020297.D
 Acq: 12 May 2019 14:20

Instrument :
 BNA_M
 ClientSampleId :
 P026-SS007-1824-01

Tgt Ion:330 Resp: 230675
 Ion Ratio Lower Upper
 330 100
 332 95.8 76.8 115.2
 141 32.8 29.2 43.8

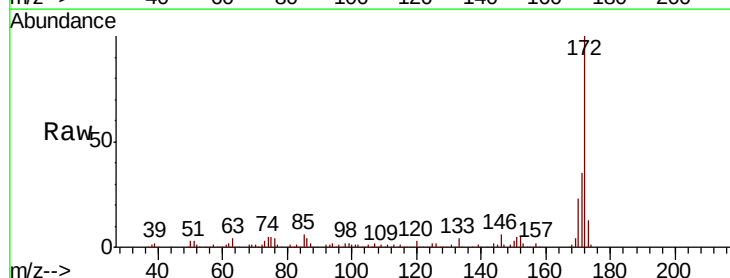


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

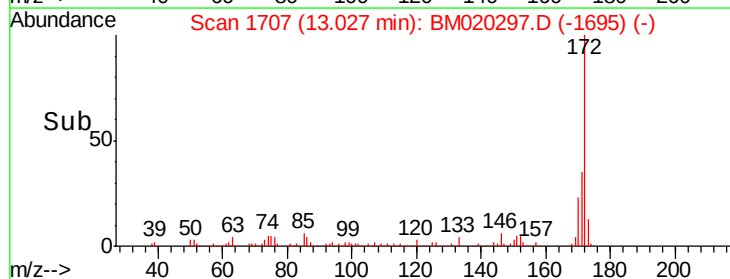
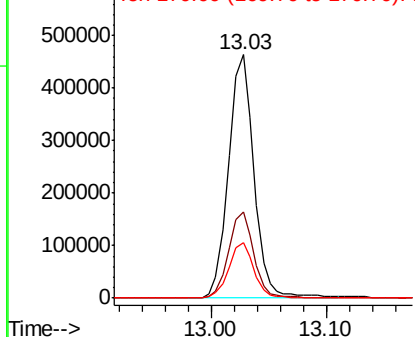


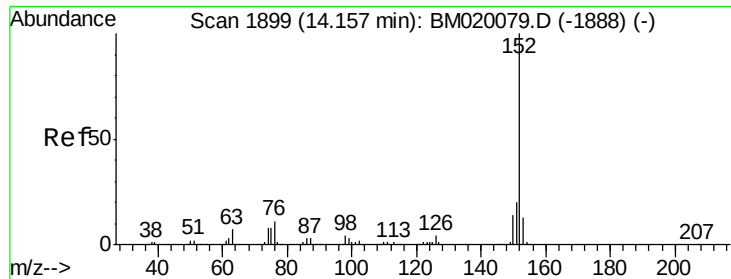
#45
 2-Fluorobiphenyl
 Concen: 74.786 ng
 RT: 13.03 min Scan# 1707
 Delta R.T. -0.03 min
 Lab File: BM020297.D
 Acq: 12 May 2019 14:20

Tgt Ion:172 Resp: 710737
 Ion Ratio Lower Upper
 172 100
 171 35.2 27.3 40.9
 170 22.8 17.9 26.9



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





#49

Acenaphthylene

Concen: 3.332 ng

RT: 14.13 min Scan# 1895

Delta R.T. -0.02 min

Lab File: BM020297.D

Acq: 12 May 2019 14:20

Instrument :

BNA_M

ClientSampleId :

P026-SS007-1824-01

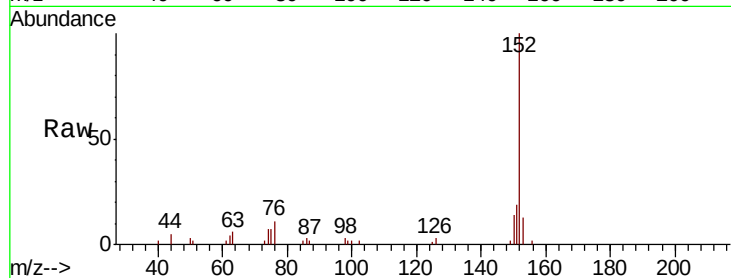
Tgt Ion:152 Resp: 40979

Ion Ratio Lower Upper

152 100

151 18.6 16.2 24.2

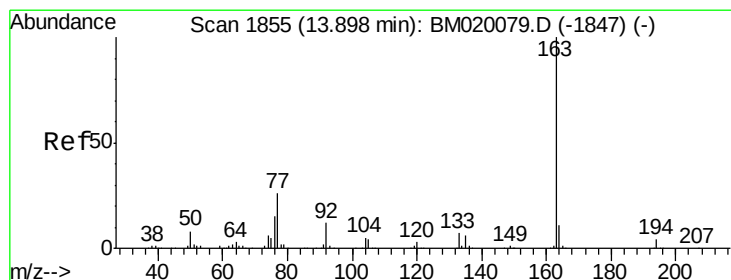
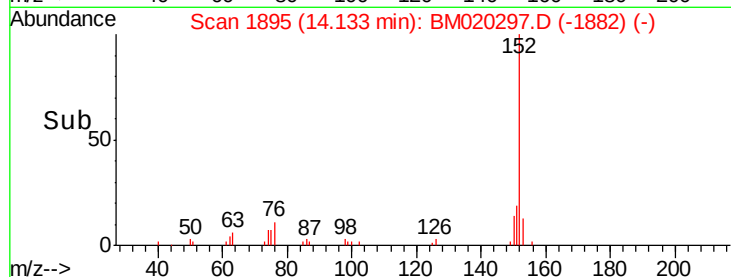
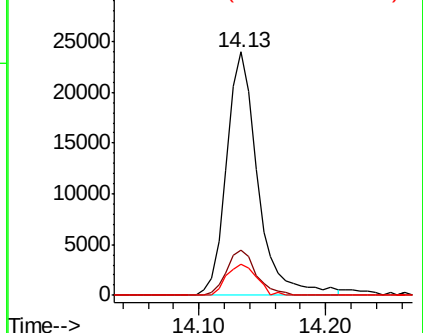
153 12.8 10.6 16.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 5.907 ng

RT: 13.87 min Scan# 1850

Delta R.T. -0.03 min

Lab File: BM020297.D

Acq: 12 May 2019 14:20

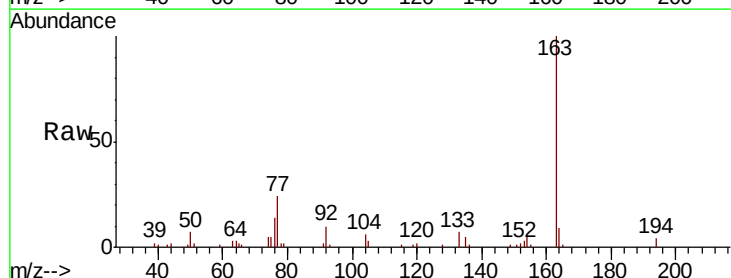
Tgt Ion:163 Resp: 58706

Ion Ratio Lower Upper

163 100

194 4.3 3.6 5.4

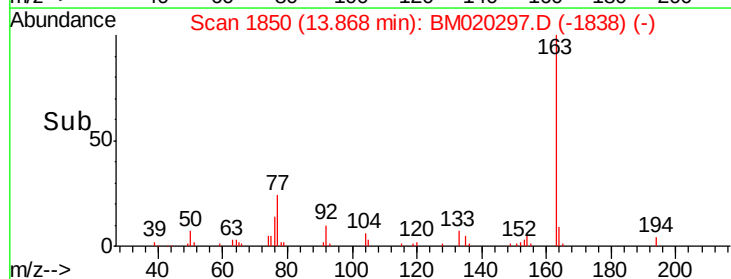
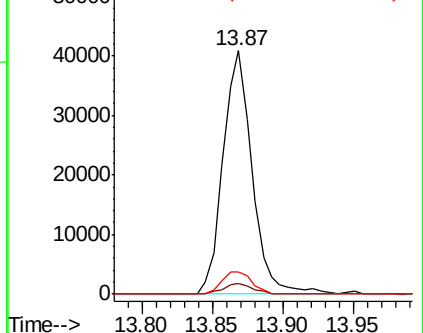
164 9.3 8.4 12.6

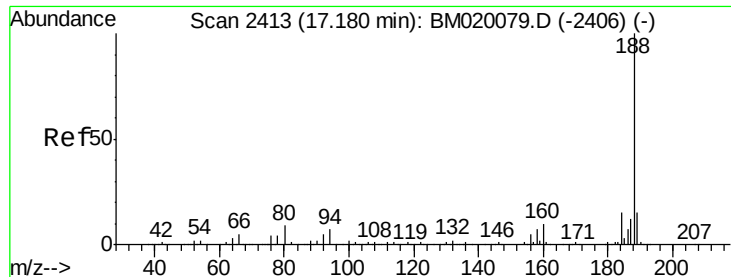


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

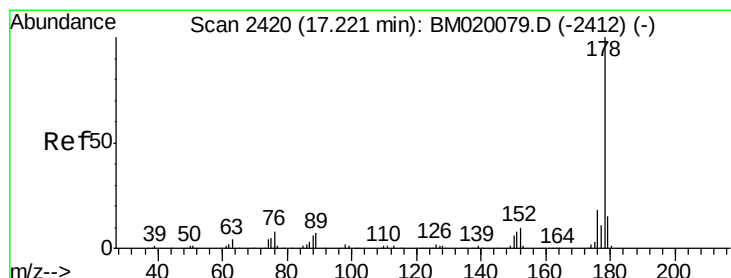
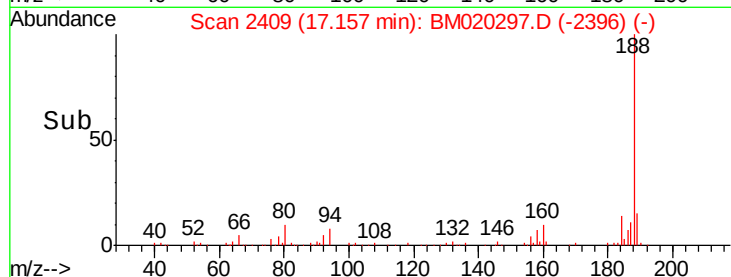
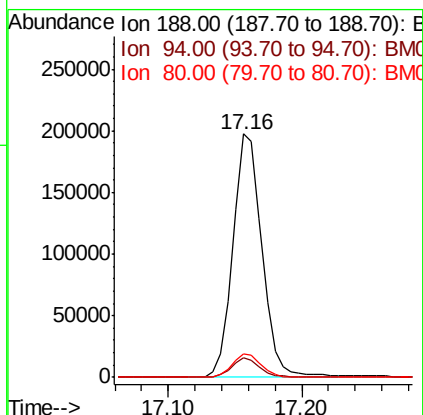
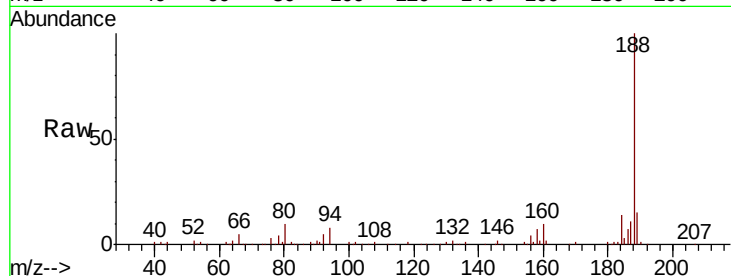




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.16 min Scan# 2409
Delta R.T. -0.02 min
Lab File: BM020297.D
Acq: 12 May 2019 14:20

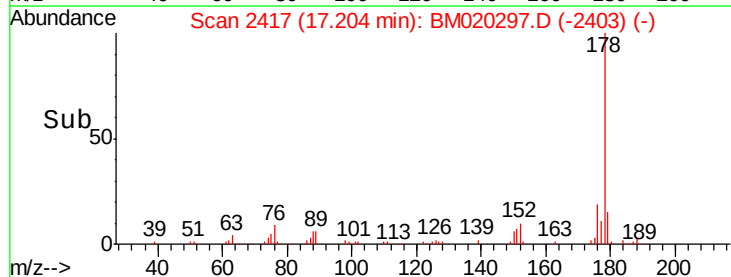
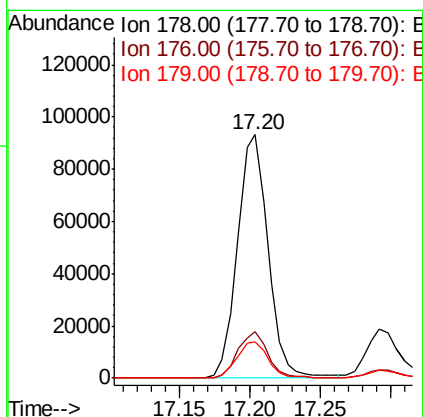
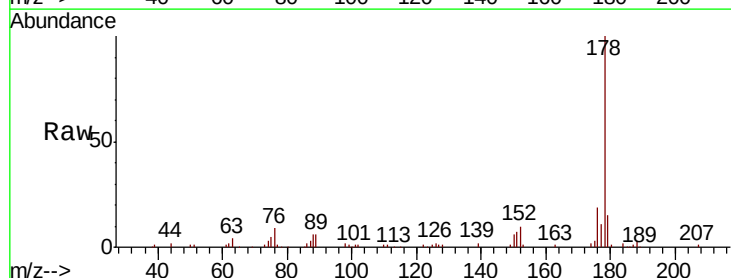
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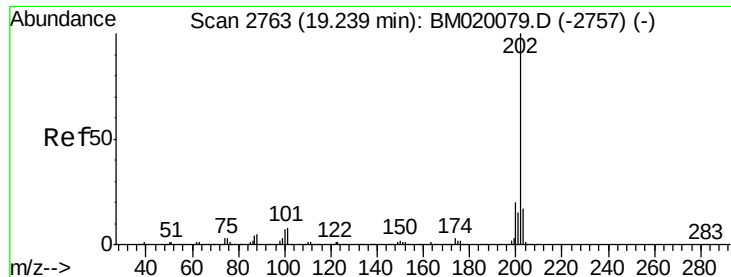
Tgt Ion:188 Resp: 299819
Ion Ratio Lower Upper
188 100
94 7.9 5.8 8.6
80 9.6 7.4 11.2



#71
Phenanthrene
Concen: 8.575 ng
RT: 17.20 min Scan# 2417
Delta R.T. -0.02 min
Lab File: BM020297.D
Acq: 12 May 2019 14:20

Tgt Ion:178 Resp: 141925
Ion Ratio Lower Upper
178 100
176 19.1 14.6 21.8
179 14.7 12.4 18.6





#75

Fluoranthene

Concen: 12.986 ng

RT: 19.22 min Scan# 2760

Delta R.T. -0.02 min

Lab File: BM020297.D

Acq: 12 May 2019 14:20

Instrument :

BNA_M

ClientSampleId :

P026-SS007-1824-01

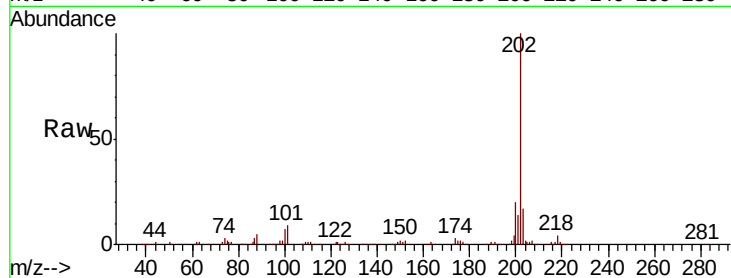
Tgt Ion:202 Resp: 271935

Ion Ratio Lower Upper

202 100

101 8.9 0.0 28.4

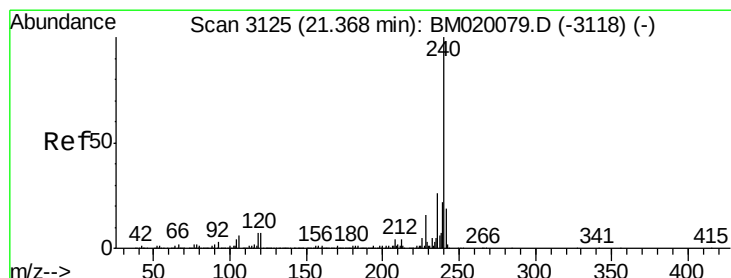
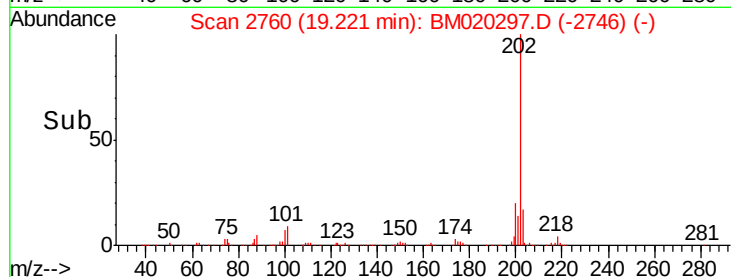
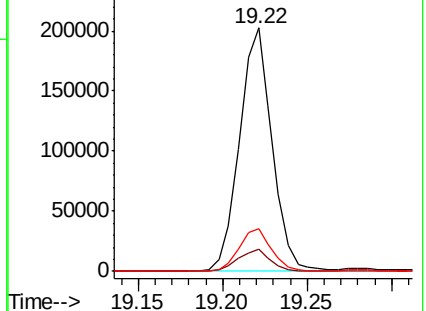
203 17.5 0.0 37.4



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: 21.34 min Scan# 3121

Delta R.T. -0.02 min

Lab File: BM020297.D

Acq: 12 May 2019 14:20

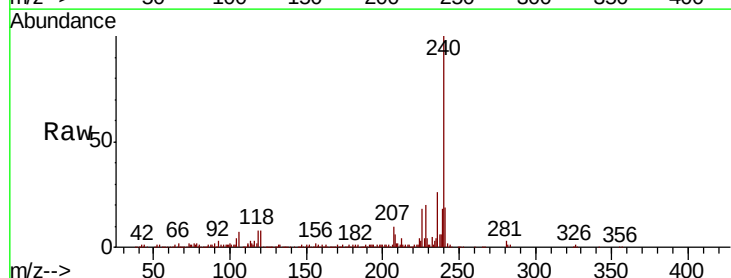
Tgt Ion:240 Resp: 340393

Ion Ratio Lower Upper

240 100

120 8.1 5.6 8.4

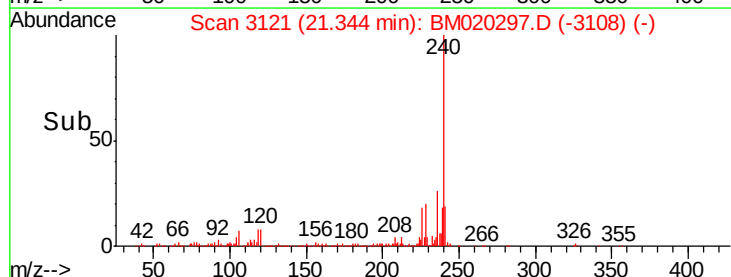
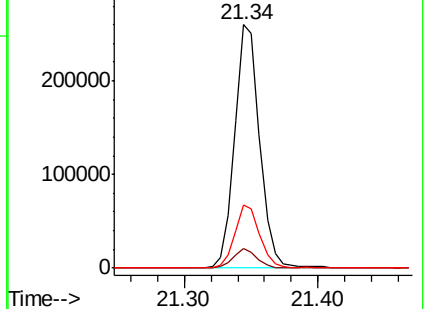
236 26.0 20.9 31.3

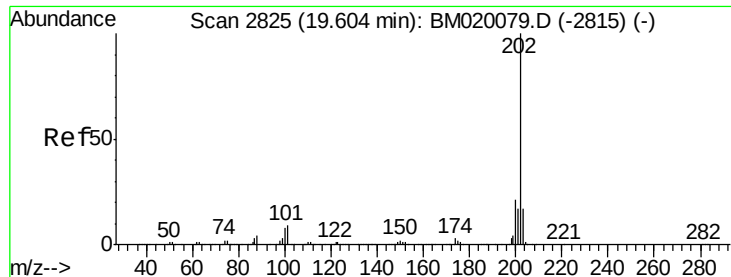


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pyrene

Concen: 23.244 ng

RT: 19.59 min Scan# 2822

Delta R.T. -0.02 min

Lab File: BM020297.D

Acq: 12 May 2019 14:20

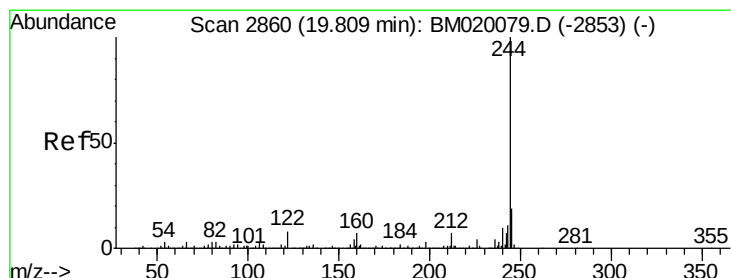
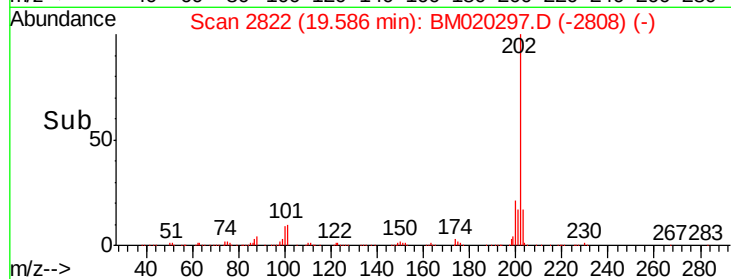
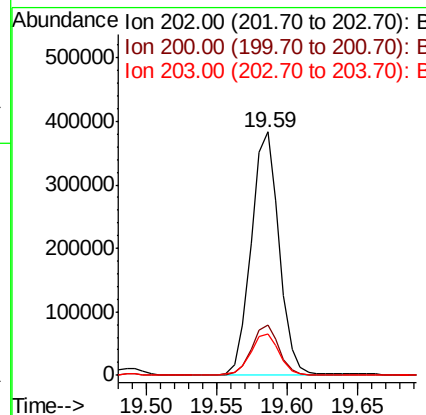
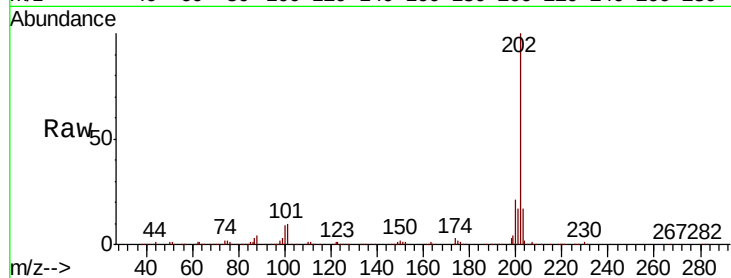
Instrument :

BNA_M

ClientSampleId :

P026-SS007-1824-01

Tgt Ion:	202	Resp:	531211
Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.5	24.7
203	17.2	13.9	20.9



#79

Terphenyl-d14

Concen: 70.328 ng

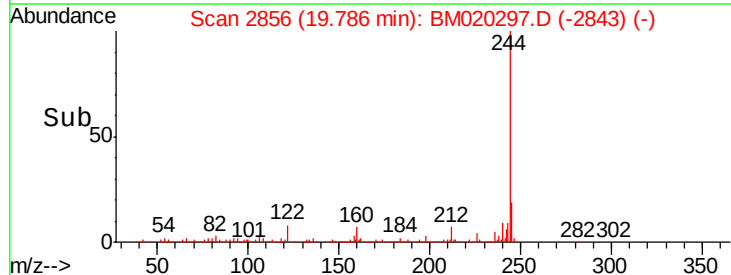
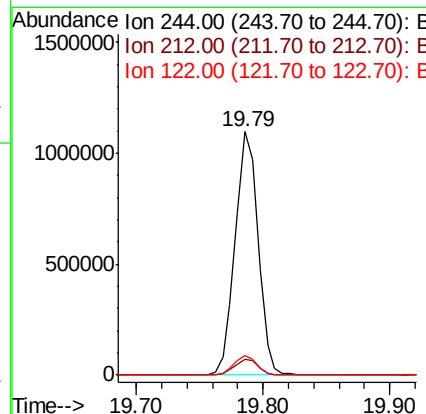
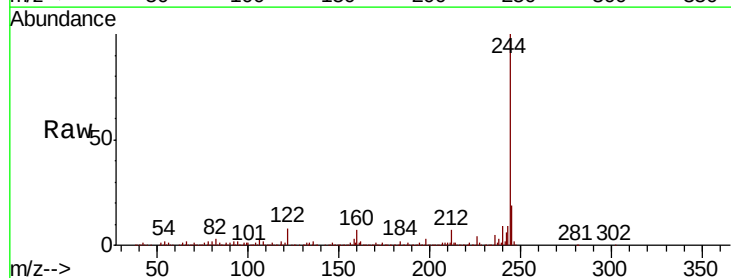
RT: 19.79 min Scan# 2856

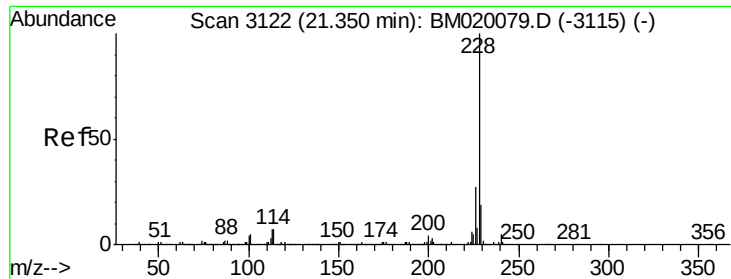
Delta R.T. -0.02 min

Lab File: BM020297.D

Acq: 12 May 2019 14:20

Tgt Ion:	244	Resp:	1372480
Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.7	8.5
122	8.0	6.2	9.2

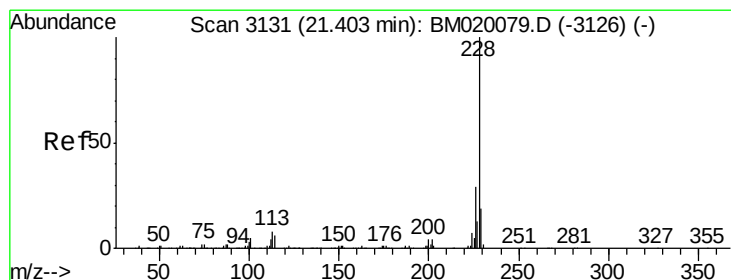
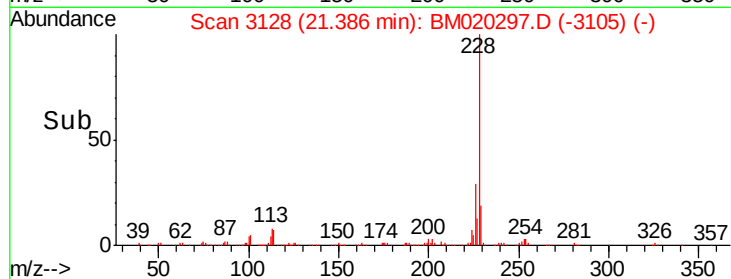
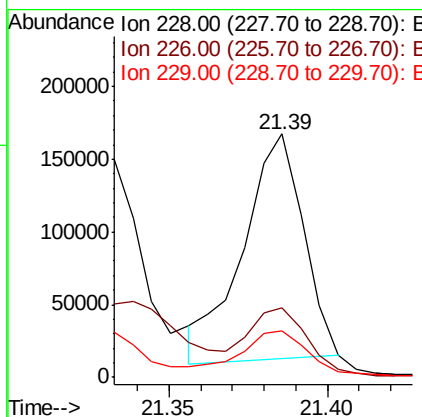
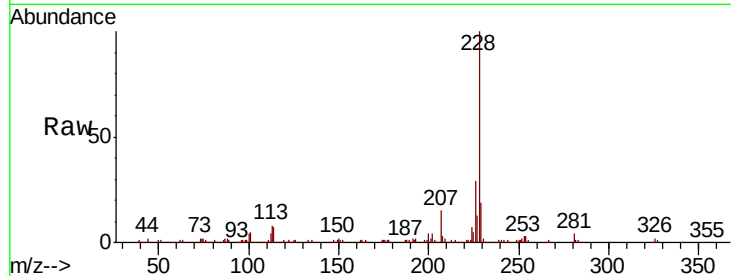




#81
Benzo(a)anthracene
Concen: 8.571 ng
RT: 21.39 min Scan# 3128
Delta R.T. 0.04 min
Lab File: BM020297.D
Acq: 12 May 2019 14:20

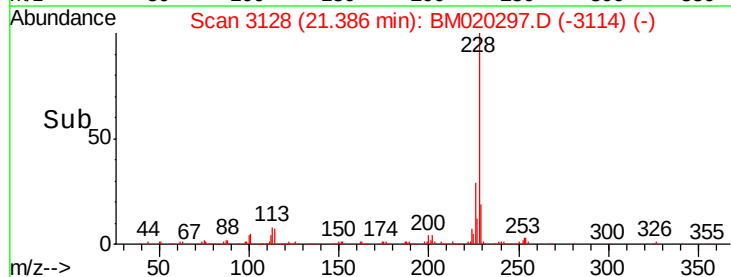
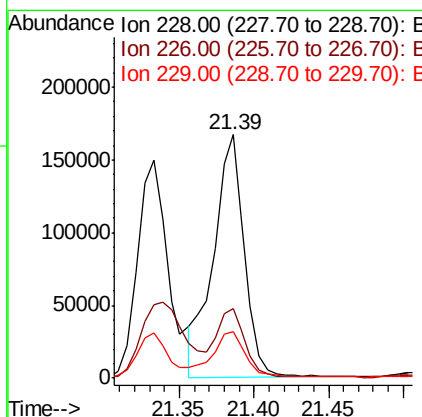
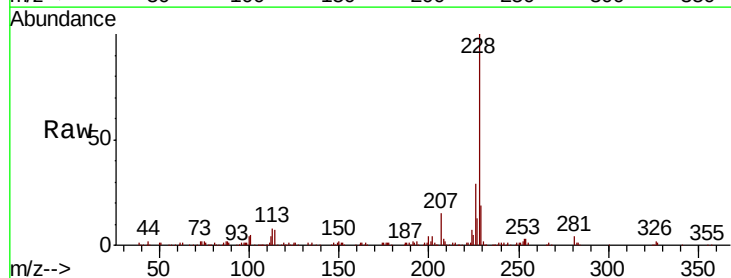
Instrument :
BNA_M
ClientSampleId :
P026-SS007-1824-01

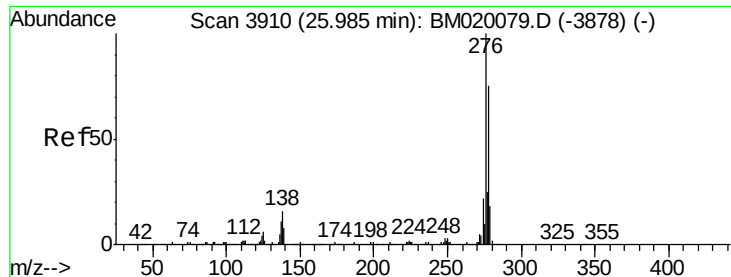
Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.8	21.3	31.9
229	19.2	15.5	23.3



#83
Chrysene
Concen: 10.382 ng
RT: 21.39 min Scan# 3128
Delta R.T. -0.02 min
Lab File: BM020297.D
Acq: 12 May 2019 14:20

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.8	23.0	34.6
229	19.2	15.5	23.3

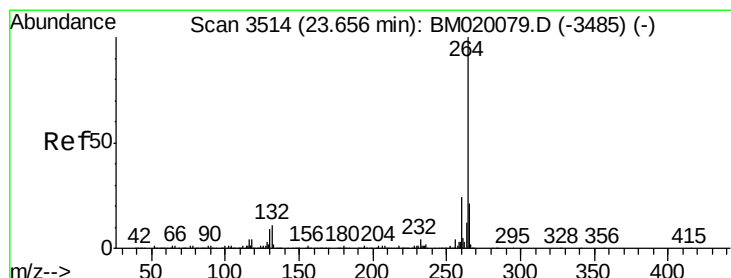
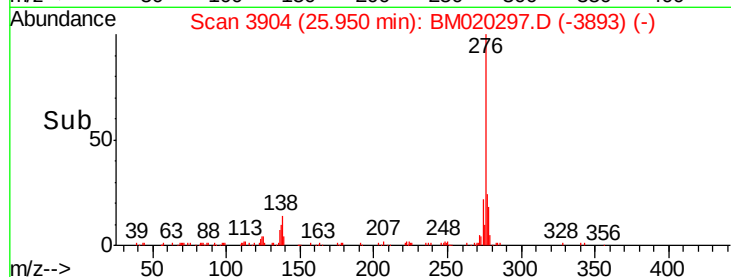
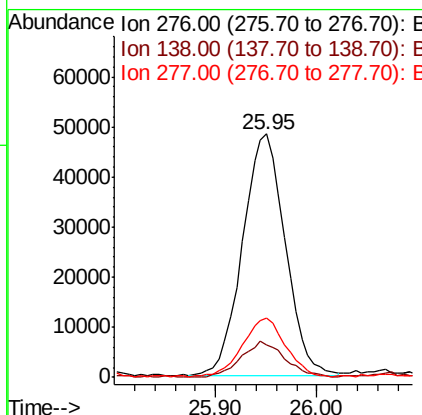
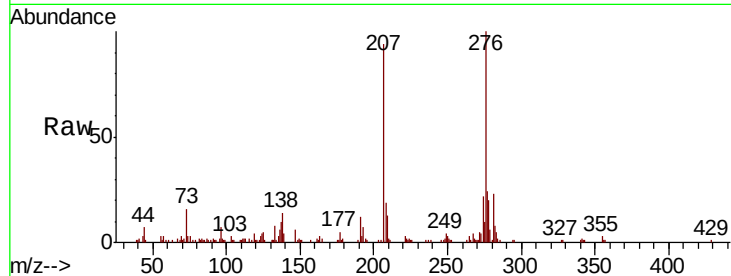




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 5.101 ng
 RT: 25.95 min Scan# 3904
 Delta R.T. -0.04 min
 Lab File: BM020297.D
 Acq: 12 May 2019 14:20

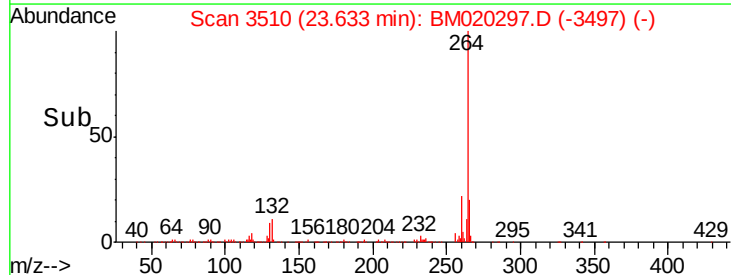
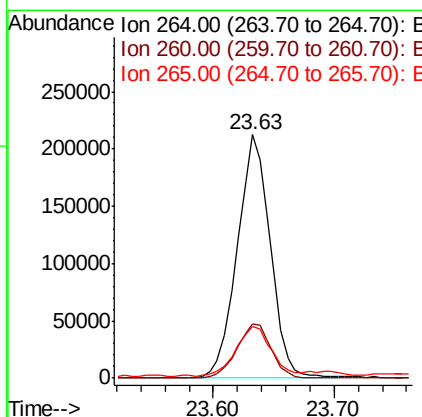
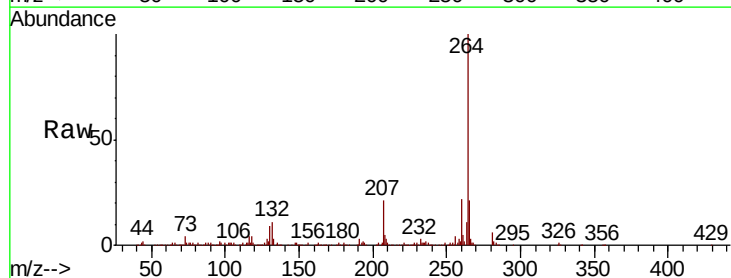
Instrument :
 BNA_M
 ClientSampleId :
 P026-SS007-1824-01

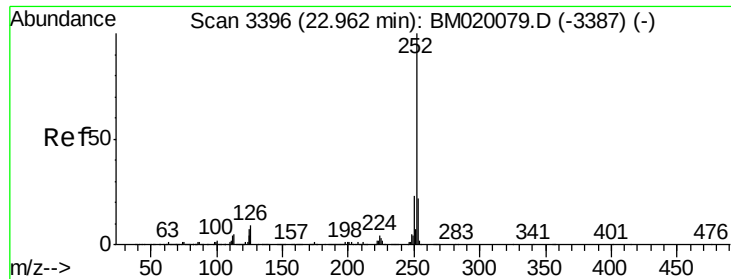
Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.4	0.0	0.0#
277	25.2	0.0	0.0#



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.63 min Scan# 3510
 Delta R.T. -0.02 min
 Lab File: BM020297.D
 Acq: 12 May 2019 14:20

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.0	19.2	28.8
265	21.3	16.9	25.3





#88

Benzo(b)fluoranthene

Concen: 12.354 ng

RT: 22.94 min Scan# 3393

Delta R.T. -0.02 min

Lab File: BM020297.D

Acq: 12 May 2019 14:20

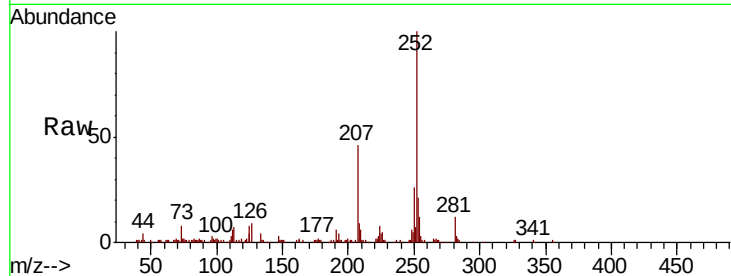
Instrument :

BNA_M

ClientSampleId :

P026-SS007-1824-01

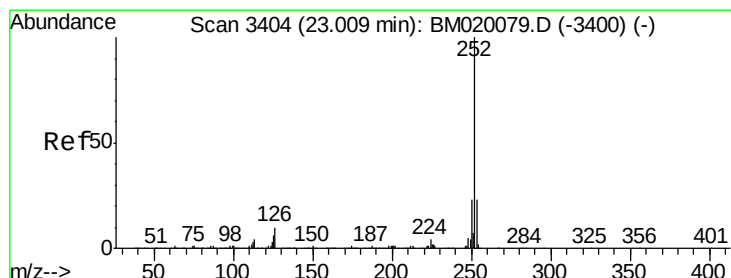
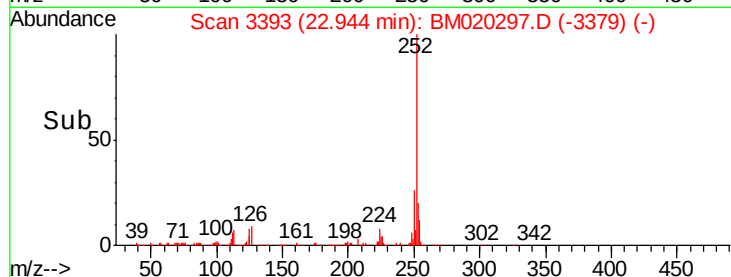
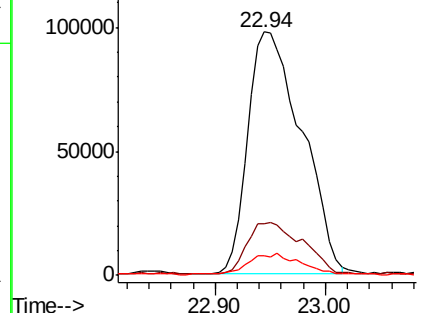
Tgt Ion:	252	Resp:	331168
Ion Ratio	Lower	Upper	
252	100		
253	21.1	17.5	26.3
125	8.1	5.4	8.2



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: 13.530 ng

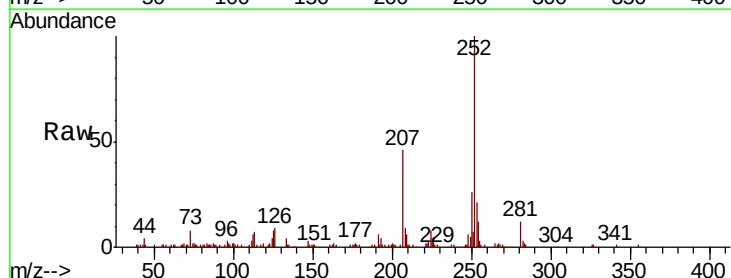
RT: 22.94 min Scan# 3393

Delta R.T. -0.06 min

Lab File: BM020297.D

Acq: 12 May 2019 14:20

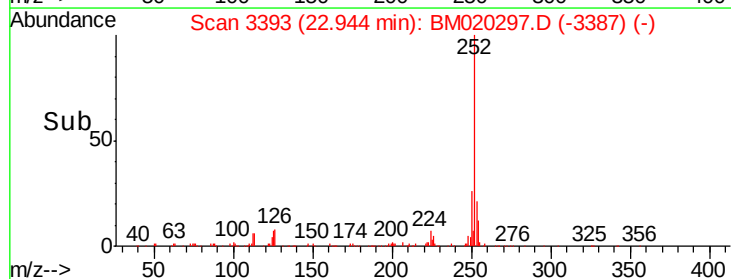
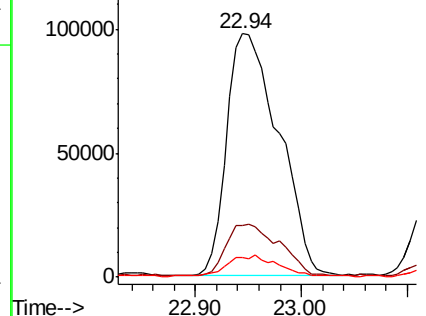
Tgt Ion:	252	Resp:	330861
Ion Ratio	Lower	Upper	
252	100		
253	21.1	17.8	26.8
125	8.1	5.4	8.0#

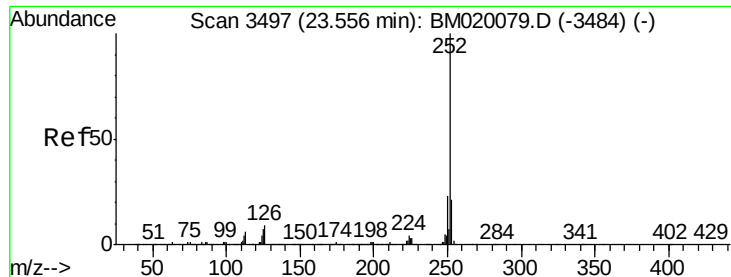


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 7.507 ng

RT: 23.53 min Scan# 3493

Delta R.T. -0.02 min

Lab File: BM020297.D

Acq: 12 May 2019 14:20

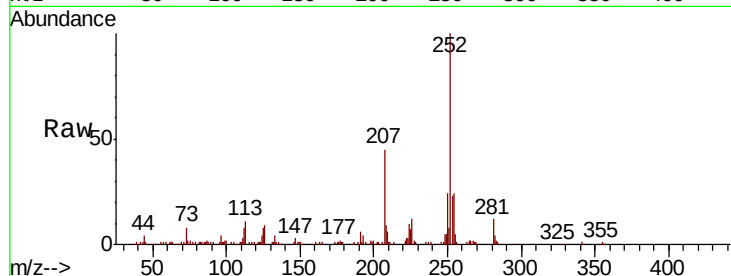
Instrument :

BNA_M

ClientSampleId :

P026-SS007-1824-01

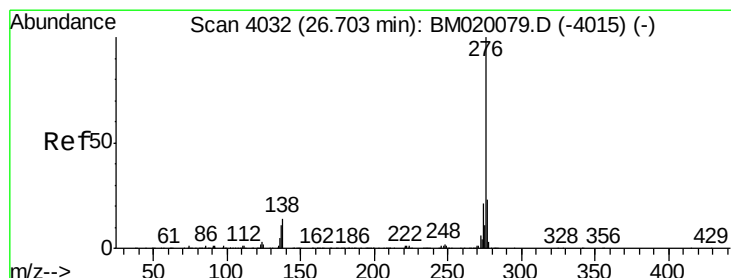
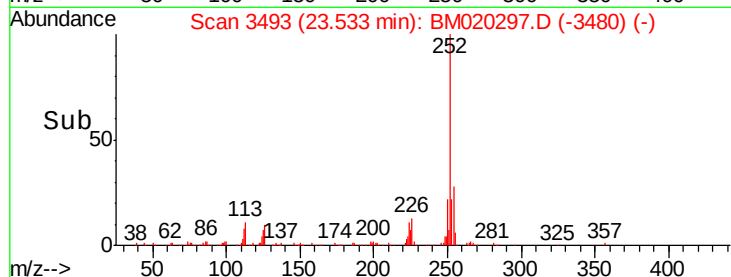
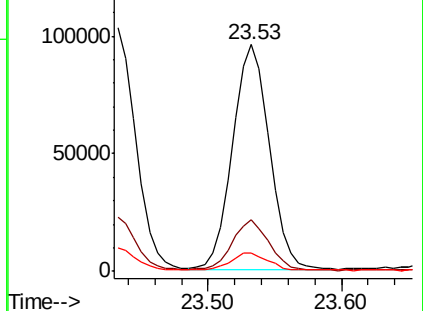
Tgt Ion:	252	Resp:	182804
Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.0	25.6
125	8.2	5.5	8.3



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: 7.035 ng

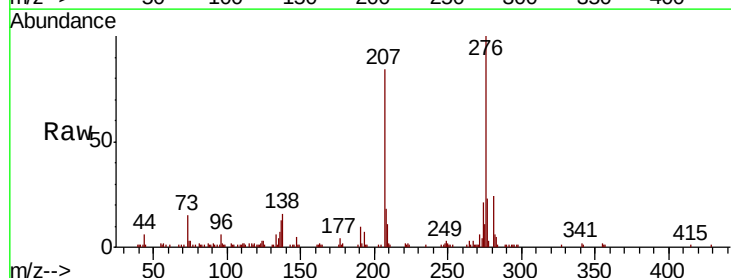
RT: 26.66 min Scan# 4025

Delta R.T. -0.04 min

Lab File: BM020297.D

Acq: 12 May 2019 14:20

Tgt Ion:	276	Resp:	169125
Ion	Ratio	Lower	Upper
276	100		
277	23.1	18.4	27.6
138	15.7	11.1	16.7



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

