

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM052722\
 Data File : BM035296.D
 Acq On : 27 May 2022 19:26
 Operator : CG/JU
 Sample : N2930-19
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 P006-SS002-1218-01

Quant Time: May 28 05:12:53 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM052722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 27 16:44:39 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

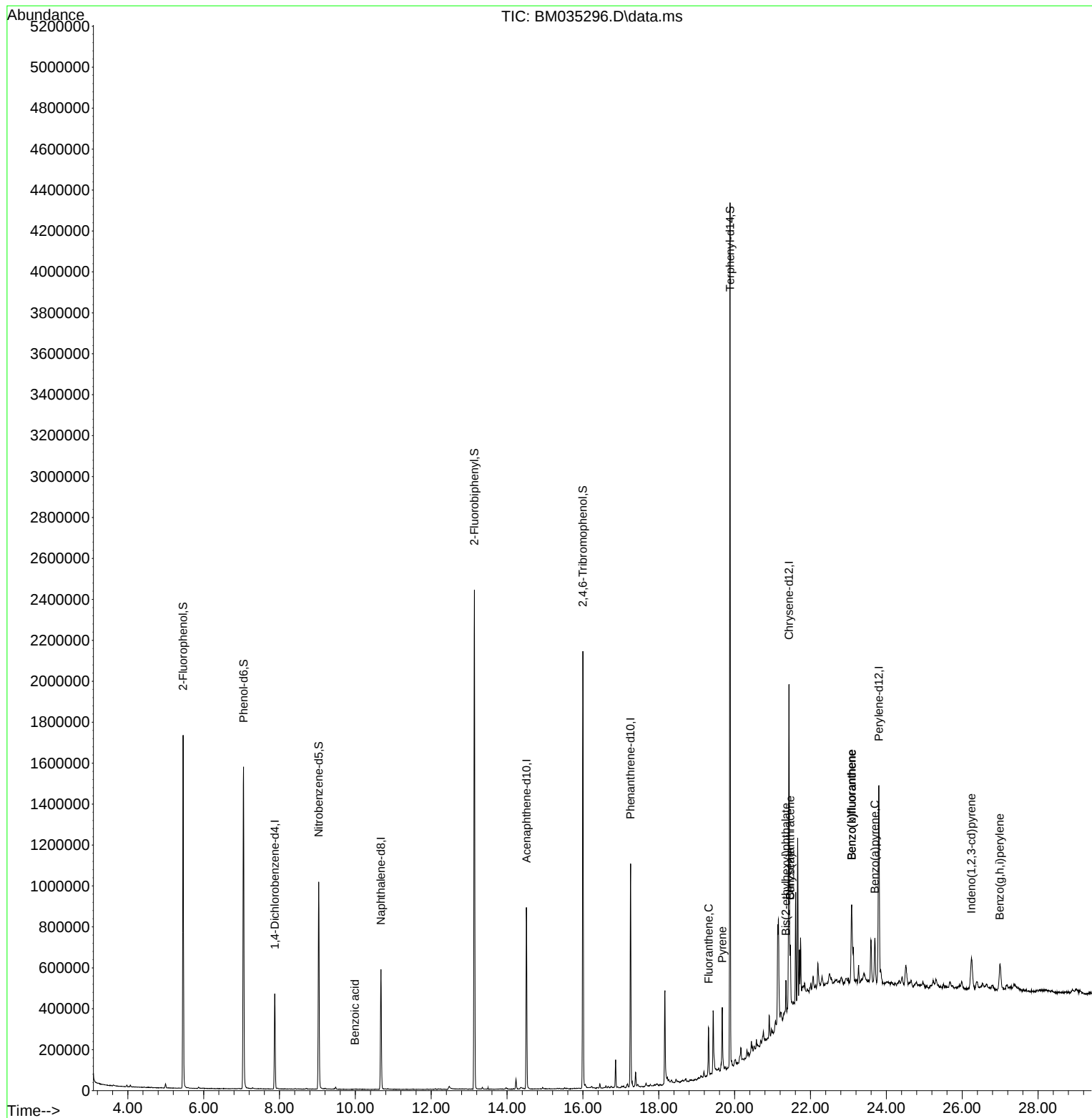
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.875	152	133238	20.000	ng	0.00
21) Naphthalene-d8	10.675	136	493285	20.000	ng	# 0.00
39) Acenaphthene-d10	14.510	164	305256	20.000	ng	0.00
64) Phenanthrene-d10	17.256	188	641751	20.000	ng	0.00
76) Chrysene-d12	21.433	240	683521	20.000	ng	# 0.00
86) Perylene-d12	23.803	264	728978	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	720324	99.820	ng	0.00
7) Phenol-d6	7.051	99	899252	96.238	ng	0.00
23) Nitrobenzene-d5	9.034	82	565827	63.143	ng	0.00
42) 2,4,6-Tribromophenol	15.998	330	399292	100.830	ng	0.00
45) 2-Fluorobiphenyl	13.139	172	1277455	58.034	ng	0.00
79) Terphenyl-d14	19.880	244	2003640	51.943	ng	0.00
Target Compounds						
						Qvalue
32) Benzoic acid	9.986	122	126	2.927	ng	# 61
75) Fluoranthene	19.315	202	134943	3.494	ng	97
78) Pyrene	19.674	202	180472	4.025	ng	99
81) Benzo(a)anthracene	21.468	228	149841	3.467	ng	95
83) Chrysene	21.468	228	149841	3.672	ng	97
84) Bis(2-ethylhexyl)phtha...	21.350	149	59827	2.467	ng	# 95
87) Indeno(1,2,3-cd)pyrene	26.244	276	152321	3.067	ng	# 93
88) Benzo(b)fluoranthene	23.086	252	317158	7.211	ng	99
89) Benzo(k)fluoranthene	23.086	252	317158	7.299	ng	99
90) Benzo(a)pyrene	23.697	252	148765	4.081	ng	97
92) Benzo(g,h,i)perylene	26.991	276	164571	3.999	ng	96

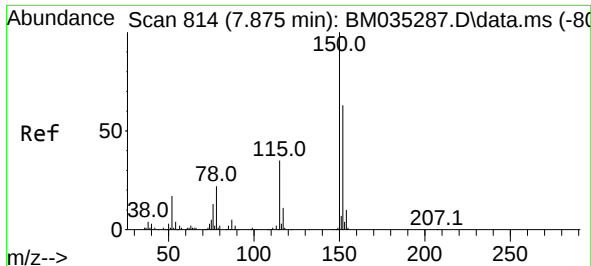
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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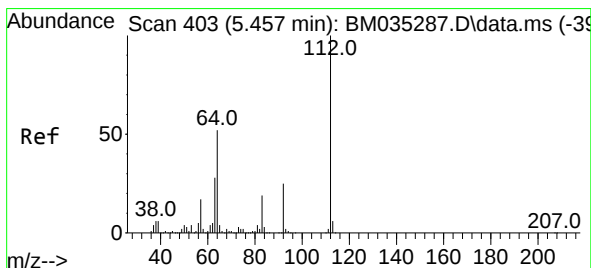
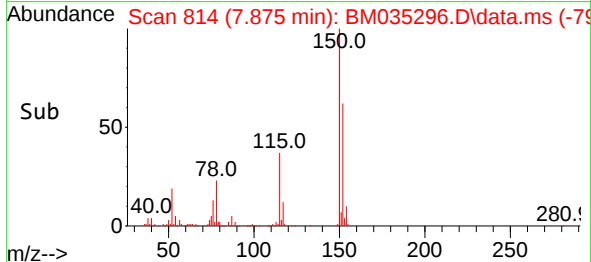
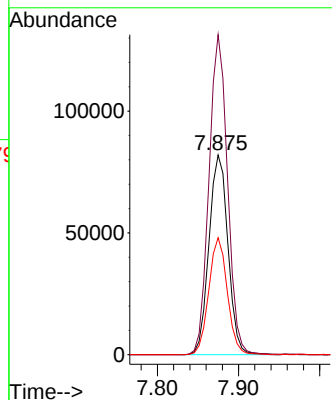
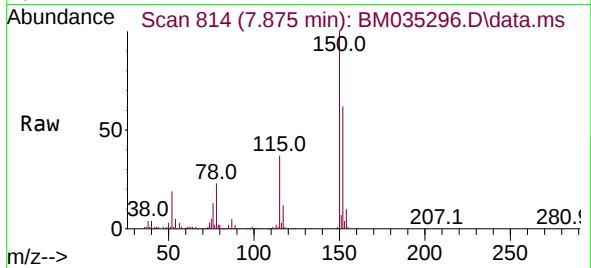




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.875 min Scan# 814
Delta R.T. -0.000 min
Lab File: BM035296.D
Acq: 27 May 2022 19:26

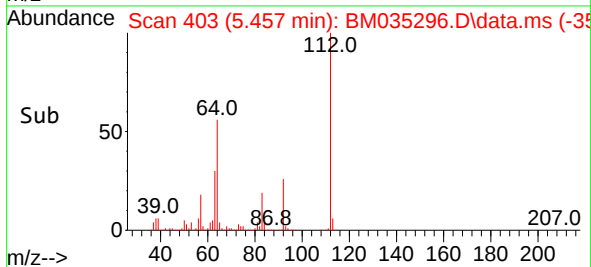
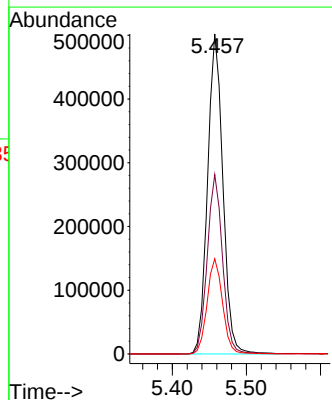
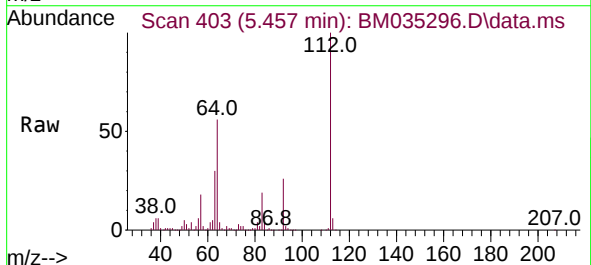
Instrument :
BNA_M
ClientSampleId :
P006-SS002-1218-01

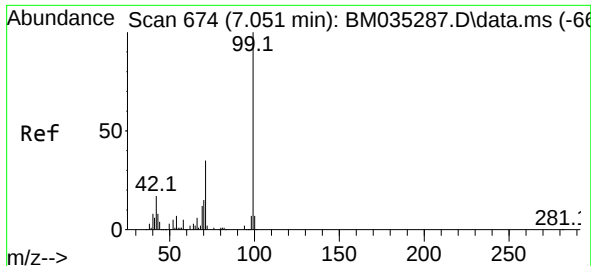
Tgt Ion:152 Resp: 133238
Ion Ratio Lower Upper
152 100
150 160.2 124.9 187.3
115 58.6 47.9 71.9



#5
2-Fluorophenol
Concen: 99.820 ng
RT: 5.457 min Scan# 403
Delta R.T. 0.000 min
Lab File: BM035296.D
Acq: 27 May 2022 19:26

Tgt Ion:112 Resp: 720324
Ion Ratio Lower Upper
112 100
64 56.0 47.8 71.6
63 29.7 26.6 40.0

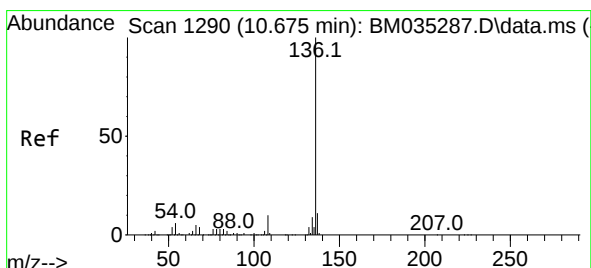
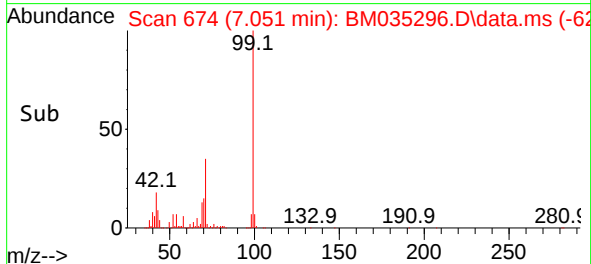
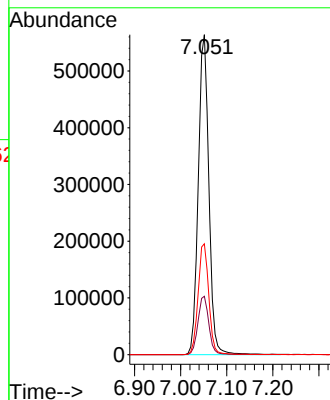
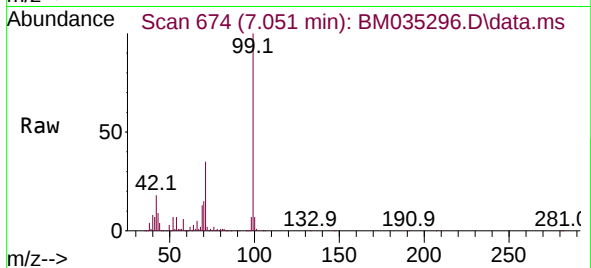




#7
Phenol-d6
Concen: 96.238 ng
RT: 7.051 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM035296.D
Acq: 27 May 2022 19:26

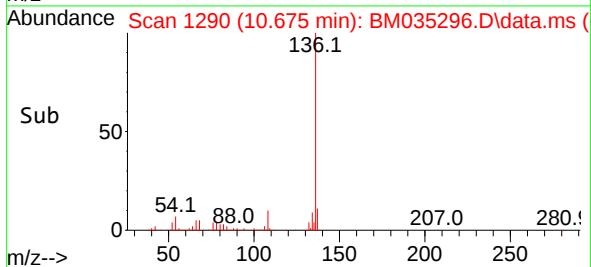
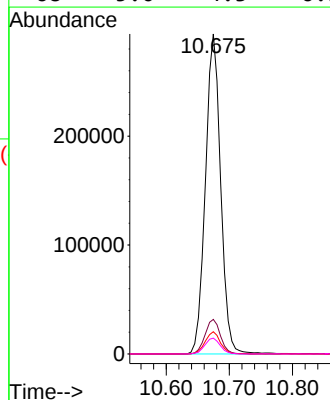
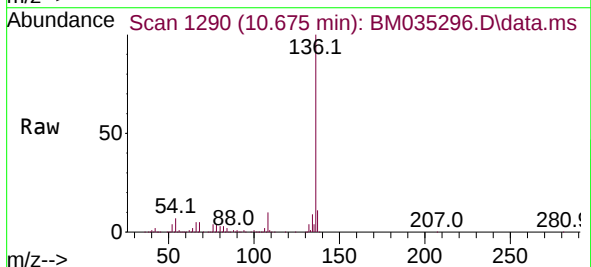
Instrument :
BNA_M
ClientSampleId :
P006-SS002-1218-01

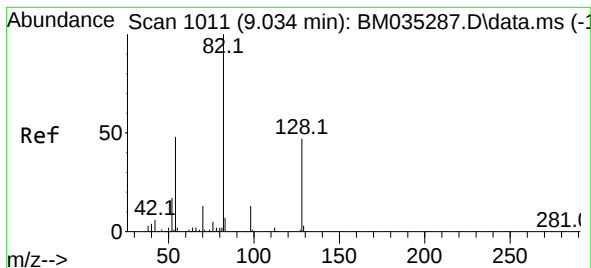
Tgt Ion: 99 Resp: 899252
Ion Ratio Lower Upper
99 100
42 18.3 18.8 28.2#
71 34.7 30.2 45.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.675 min Scan# 1290
Delta R.T. -0.000 min
Lab File: BM035296.D
Acq: 27 May 2022 19:26

Tgt Ion: 136 Resp: 493285
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 6.9 7.0 10.4#
68 5.0 4.3 6.5





#23

Nitrobenzene-d5

Concen: 63.143 ng

RT: 9.034 min Scan# 1011

Delta R.T. -0.001 min

Lab File: BM035296.D

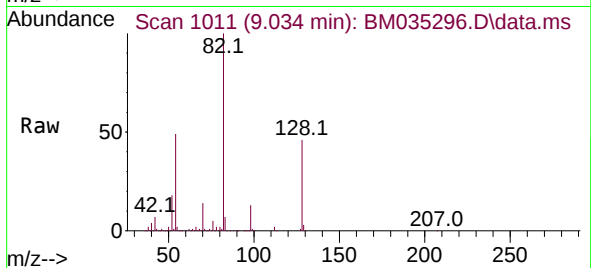
Acq: 27 May 2022 19:26

Instrument :

BNA_M

ClientSampleId :

P006-SS002-1218-01



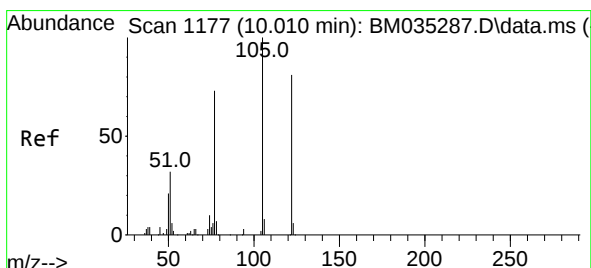
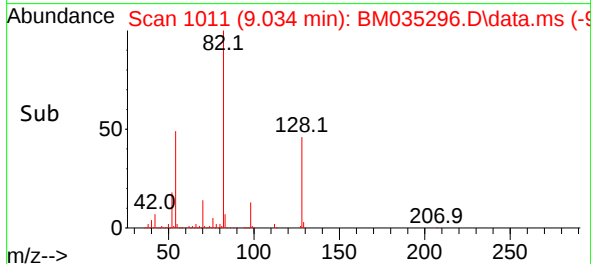
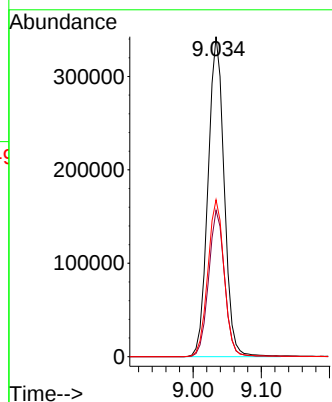
Tgt Ion: 82 Resp: 565827

Ion Ratio Lower Upper

82 100

128 45.8 33.7 50.5

54 49.1 43.2 64.8



#32

Benzoic acid

Concen: 2.927 ng

RT: 9.986 min Scan# 1173

Delta R.T. -0.024 min

Lab File: BM035296.D

Acq: 27 May 2022 19:26

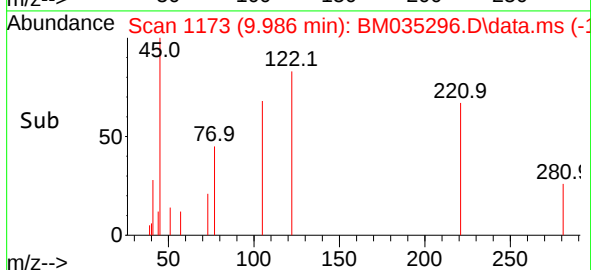
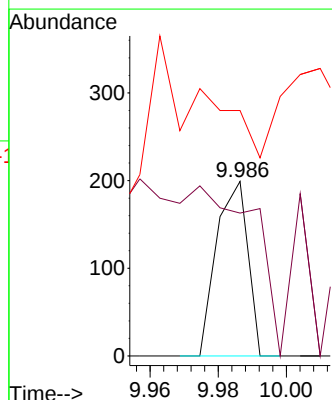
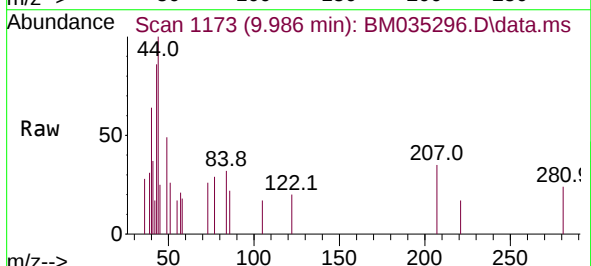
Tgt Ion:122 Resp: 126

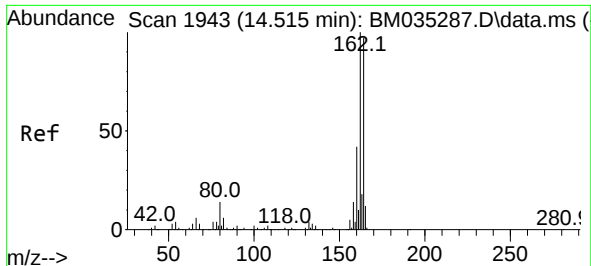
Ion Ratio Lower Upper

122 100

105 81.9 105.7 145.7#

77 140.7 80.0 120.0#

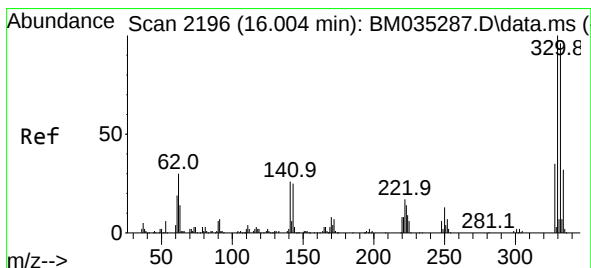
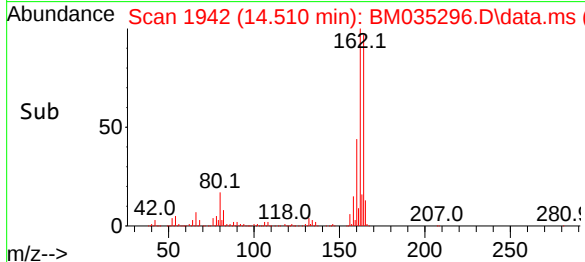
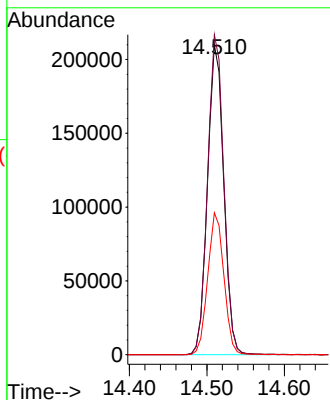
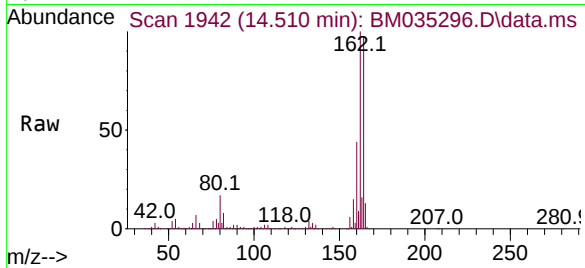




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.510 min Scan# 1943
Delta R.T. -0.005 min
Lab File: BM035296.D
Acq: 27 May 2022 19:26

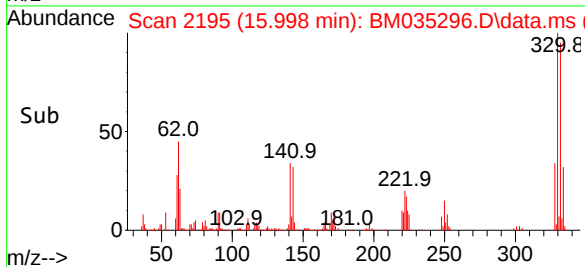
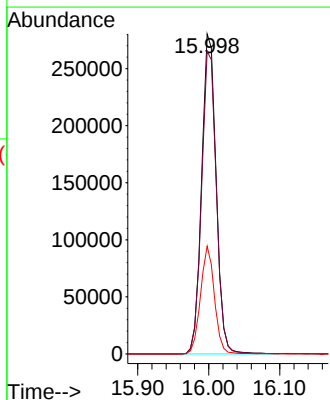
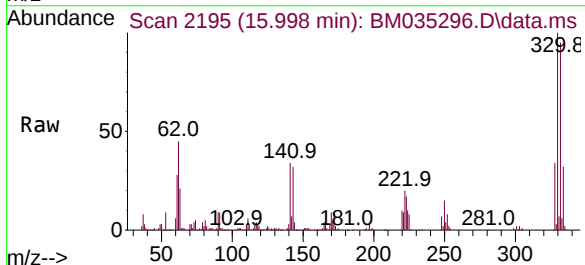
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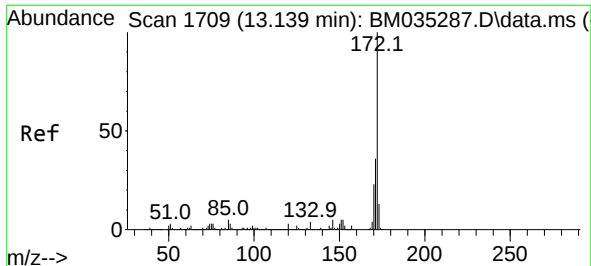
Tgt Ion:164 Resp: 305256
Ion Ratio Lower Upper
164 100
162 103.3 83.0 124.6
160 45.8 37.0 55.4



#42
2,4,6-Tribromophenol
Concen: 100.830 ng
RT: 15.998 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BM035296.D
Acq: 27 May 2022 19:26

Tgt Ion:330 Resp: 399292
Ion Ratio Lower Upper
330 100
332 96.0 77.0 115.4
141 32.4 35.3 52.9#

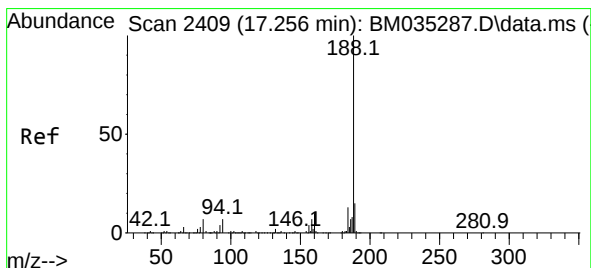
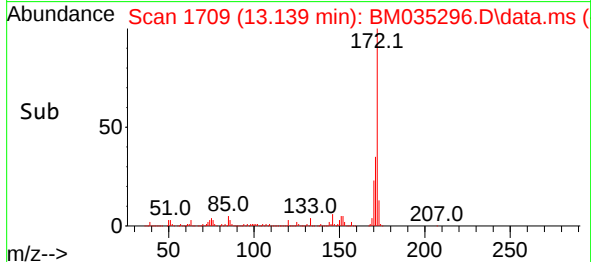
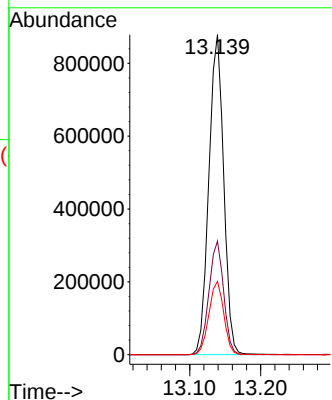
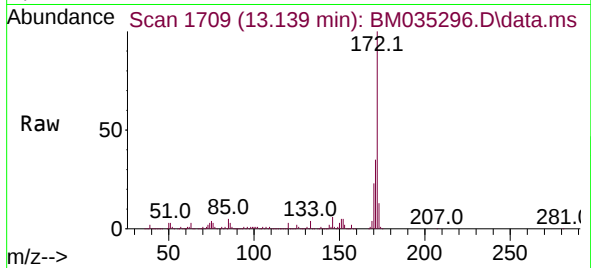




#45
2-Fluorobiphenyl
Concen: 58.034 ng
RT: 13.139 min Scan# 1709
Delta R.T. 0.000 min
Lab File: BM035296.D
Acq: 27 May 2022 19:26

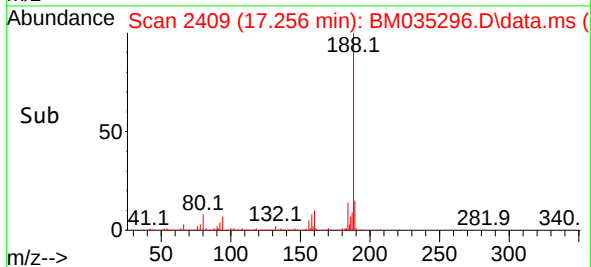
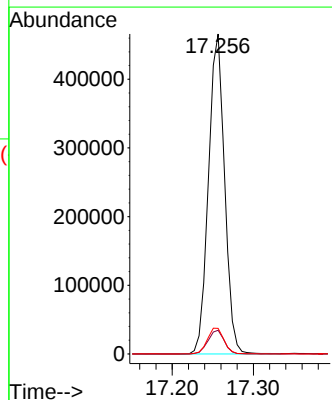
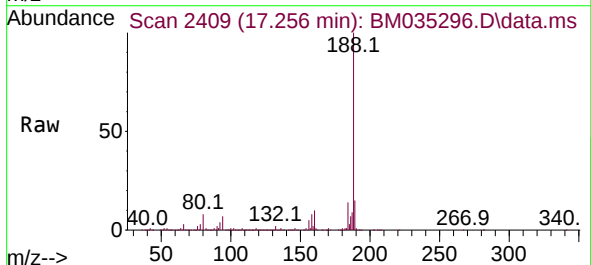
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P006-SS002-1218-01

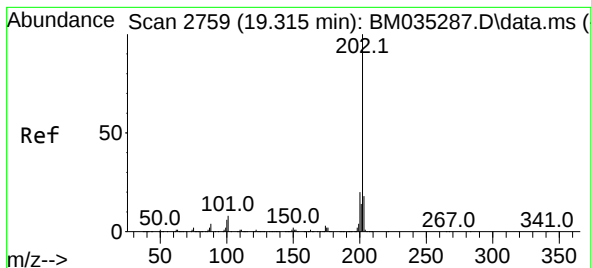
Tgt Ion:172 Resp: 1277455
Ion Ratio Lower Upper
172 100
171 35.5 28.5 42.7
170 22.9 18.7 28.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.256 min Scan# 2409
Delta R.T. 0.000 min
Lab File: BM035296.D
Acq: 27 May 2022 19:26

Tgt Ion:188 Resp: 641751
Ion Ratio Lower Upper
188 100
94 7.4 7.0 10.4
80 8.0 7.6 11.4





#75

Fluoranthene

Concen: 3.494 ng

RT: 19.315 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM035296.D

Acq: 27 May 2022 19:26

Instrument :

BNA_M

ClientSampleId :

P006-SS002-1218-01

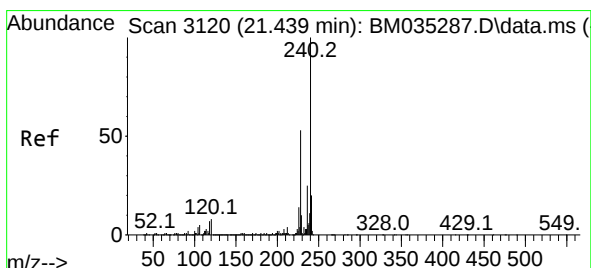
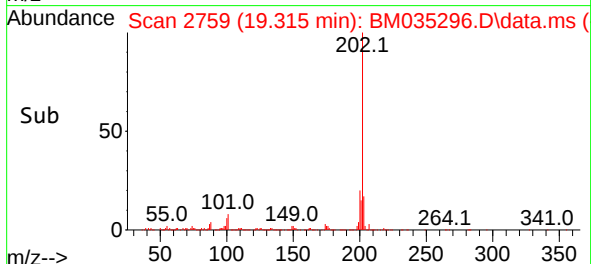
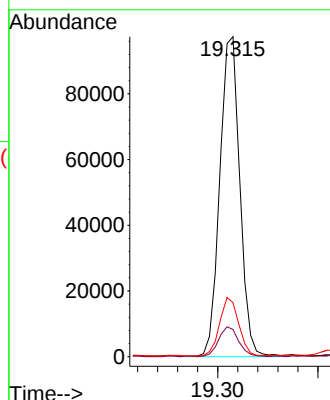
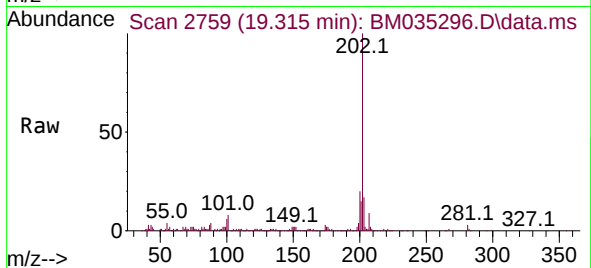
Tgt Ion:202 Resp: 134943

Ion Ratio Lower Upper

202 100

101 8.5 0.0 30.6

203 16.9 0.0 37.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.433 min Scan# 3119

Delta R.T. -0.006 min

Lab File: BM035296.D

Acq: 27 May 2022 19:26

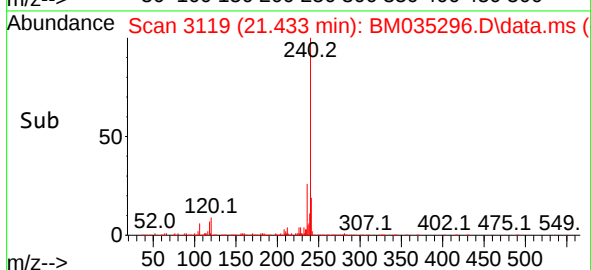
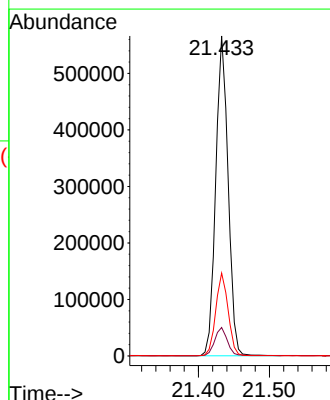
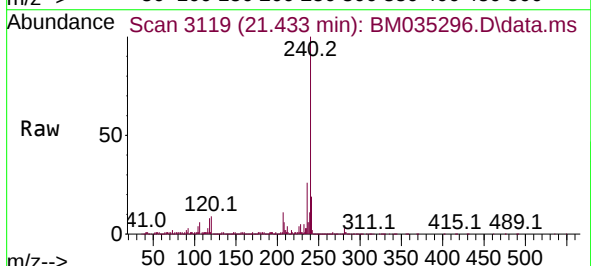
Tgt Ion:240 Resp: 683521

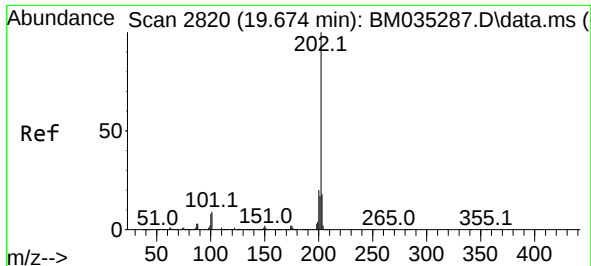
Ion Ratio Lower Upper

240 100

120 8.9 9.4 14.0#

236 25.9 20.6 30.8

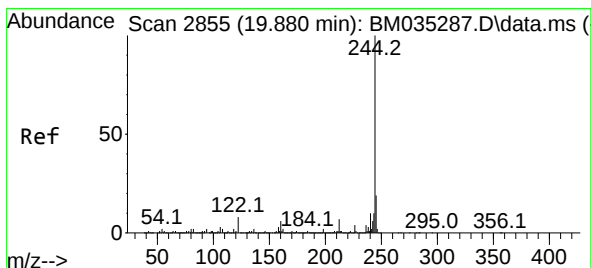
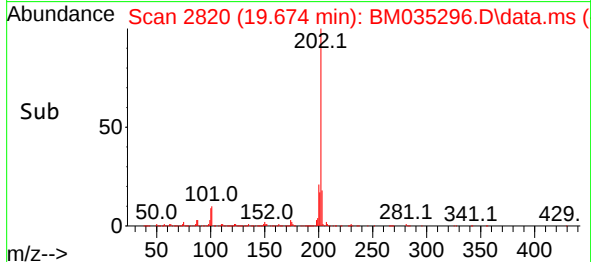
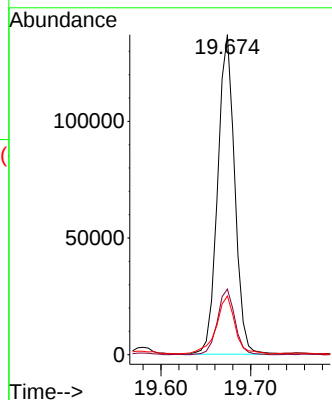
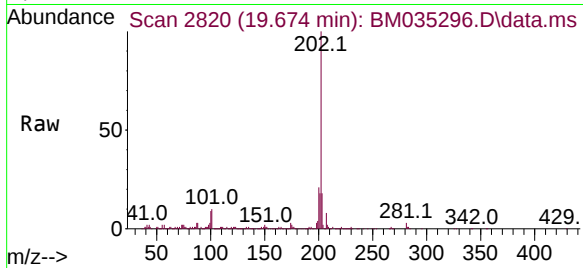




#78
 Pyrene
 Concen: 4.025 ng
 RT: 19.674 min Scan# 2820
 Delta R.T. 0.000 min
 Lab File: BM035296.D
 Acq: 27 May 2022 19:26

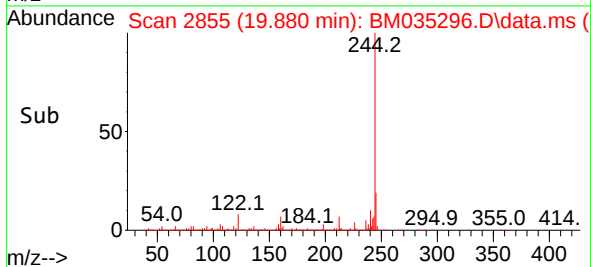
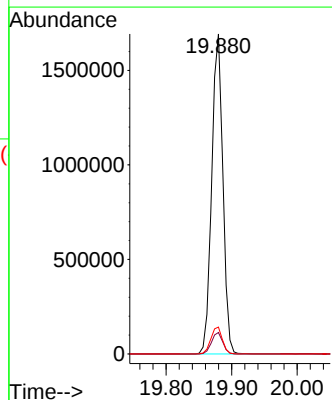
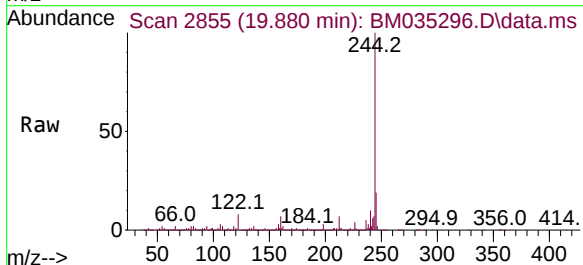
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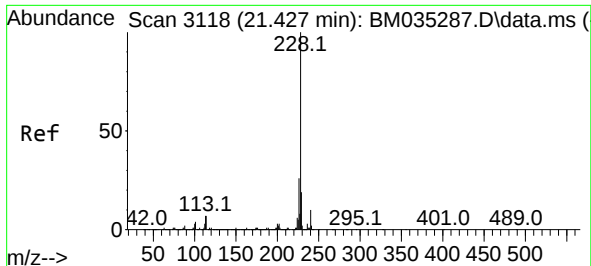
Tgt Ion:202 Resp: 180472
 Ion Ratio Lower Upper
 202 100
 200 20.5 16.7 25.1
 203 18.3 13.9 20.9



#79
 Terphenyl-d14
 Concen: 51.943 ng
 RT: 19.880 min Scan# 2855
 Delta R.T. -0.000 min
 Lab File: BM035296.D
 Acq: 27 May 2022 19:26

Tgt Ion:244 Resp: 2003640
 Ion Ratio Lower Upper
 244 100
 212 6.7 6.2 9.4
 122 8.4 8.3 12.5

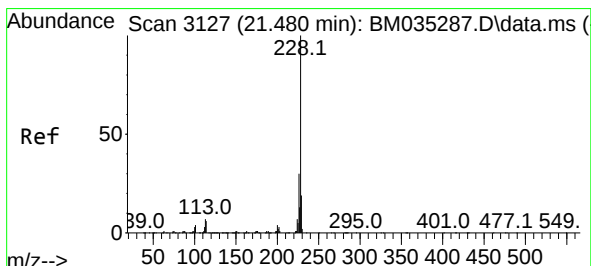
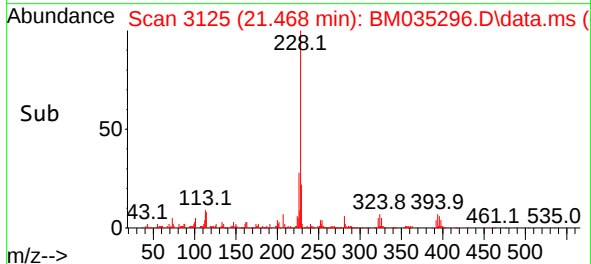
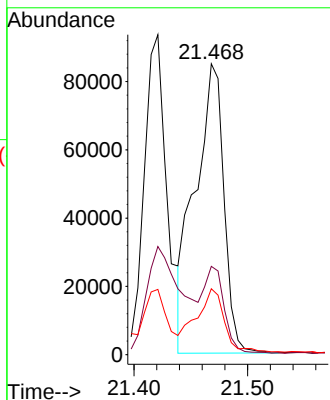
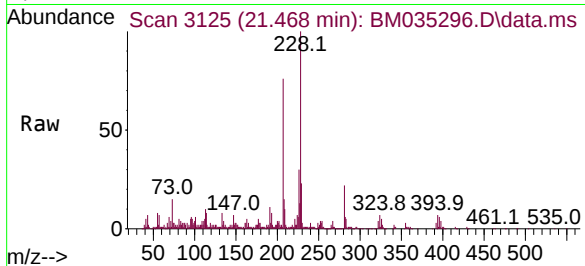




#81
Benzo(a)anthracene
Concen: 3.467 ng
RT: 21.468 min Scan# 3118
Delta R.T. 0.041 min
Lab File: BM035296.D
Acq: 27 May 2022 19:26

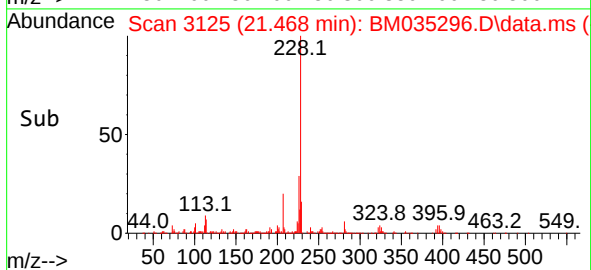
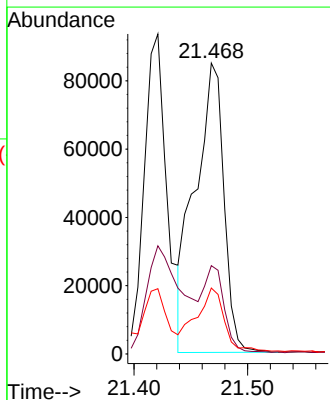
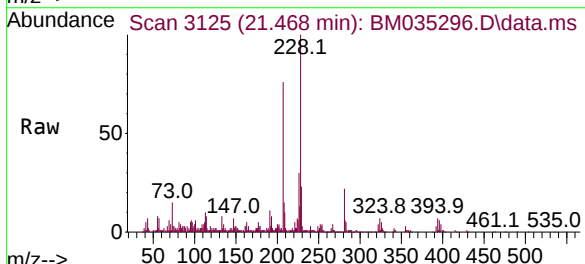
Instrument :
BNA_M
ClientSampleId :
P006-SS002-1218-01

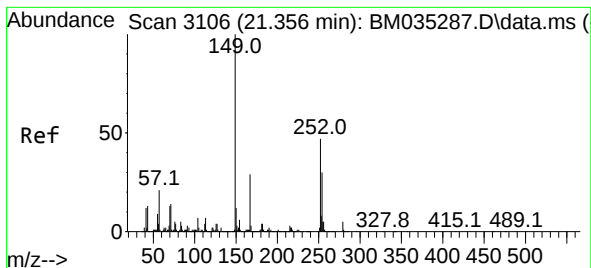
Tgt Ion:228 Resp: 149841
Ion Ratio Lower Upper
228 100
226 30.4 22.3 33.5
229 22.6 15.8 23.6



#83
Chrysene
Concen: 3.672 ng
RT: 21.468 min Scan# 3125
Delta R.T. -0.012 min
Lab File: BM035296.D
Acq: 27 May 2022 19:26

Tgt Ion:228 Resp: 149841
Ion Ratio Lower Upper
228 100
226 30.4 24.4 36.6
229 22.6 15.8 23.8

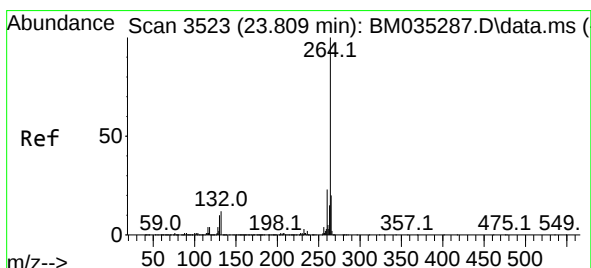
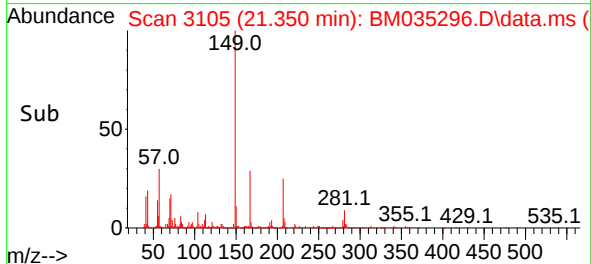
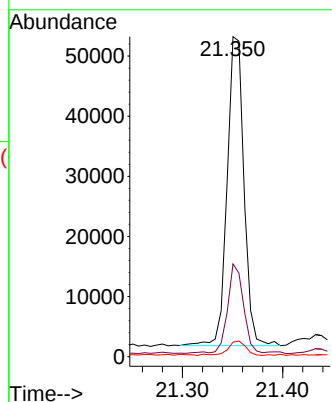
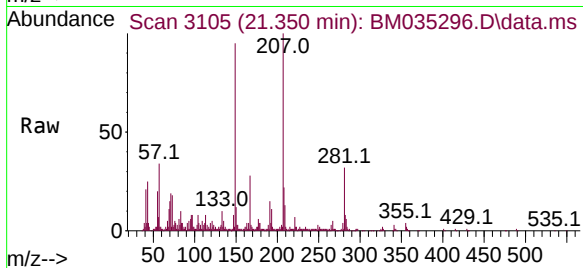




#84
Bis(2-ethylhexyl)phthalate
Concen: 2.467 ng
RT: 21.350 min Scan# 3106
Delta R.T. -0.006 min
Lab File: BM035296.D
Acq: 27 May 2022 19:26

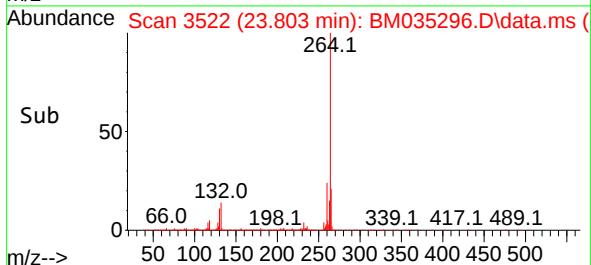
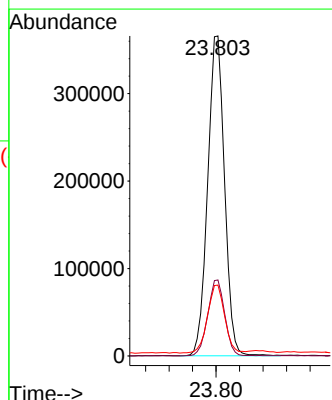
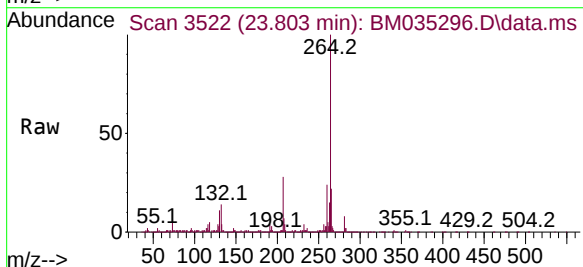
Instrument :
BNA_M
ClientSampleId :
P006-SS002-1218-01

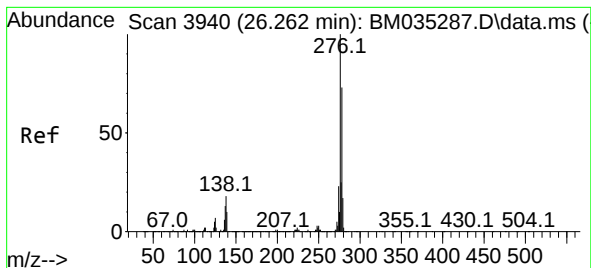
Tgt Ion:149 Resp: 59827
Ion Ratio Lower Upper
149 100
167 29.0 21.1 31.7
279 4.6 2.8 4.2#



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.803 min Scan# 3522
Delta R.T. -0.006 min
Lab File: BM035296.D
Acq: 27 May 2022 19:26

Tgt Ion:264 Resp: 728978
Ion Ratio Lower Upper
264 100
260 23.7 18.9 28.3
265 22.1 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.067 ng

RT: 26.244 min Scan# 3940

Delta R.T. -0.018 min

Lab File: BM035296.D

Acq: 27 May 2022 19:26

Instrument :

BNA_M

ClientSampleId :

P006-SS002-1218-01

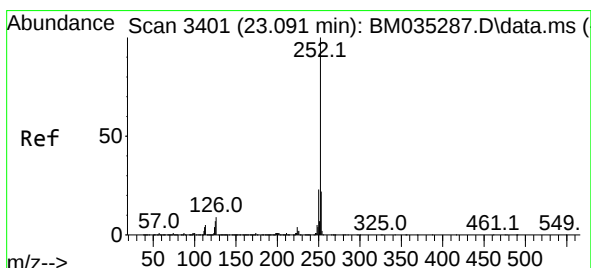
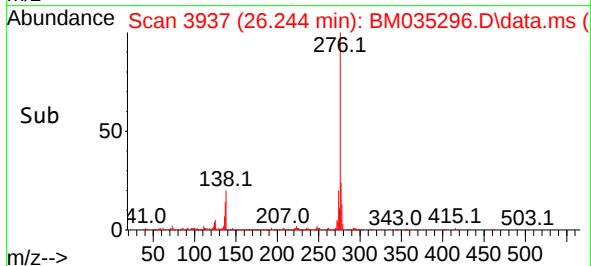
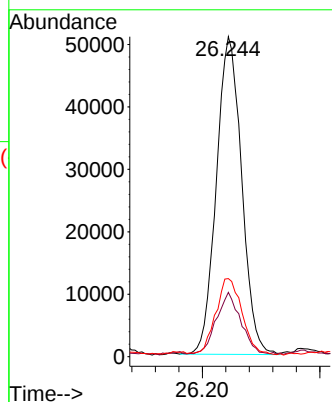
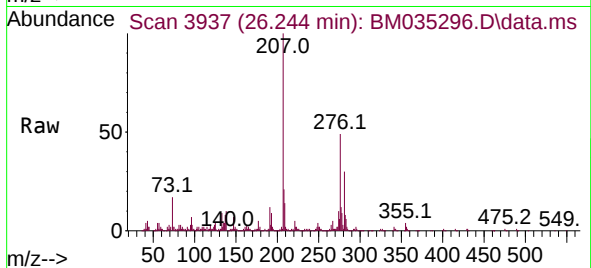
Tgt Ion:276 Resp: 152321

Ion Ratio Lower Upper

276 100

138 18.8 20.2 30.4#

277 24.7 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 7.211 ng

RT: 23.086 min Scan# 3400

Delta R.T. -0.006 min

Lab File: BM035296.D

Acq: 27 May 2022 19:26

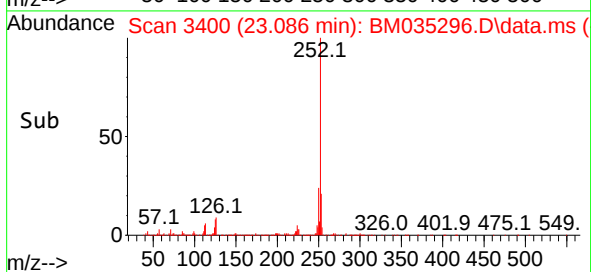
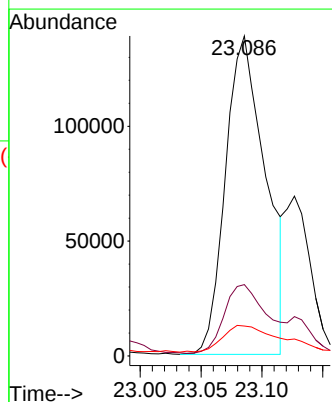
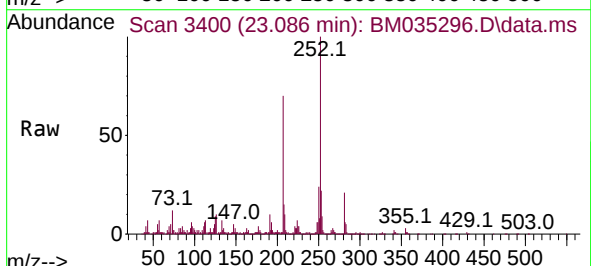
Tgt Ion:252 Resp: 317158

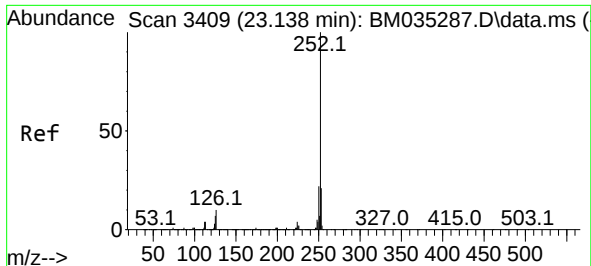
Ion Ratio Lower Upper

252 100

253 22.3 17.6 26.4

125 9.3 7.6 11.4

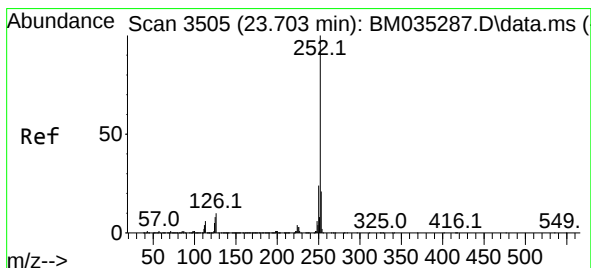
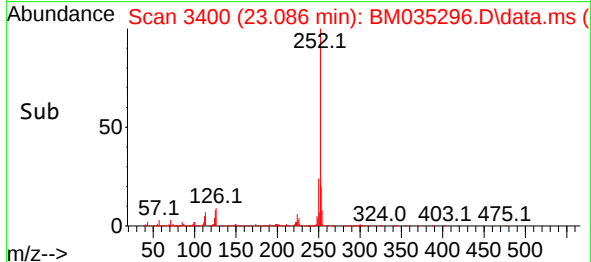
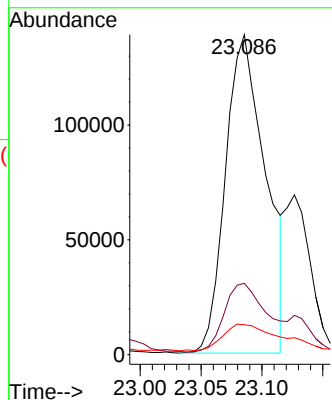
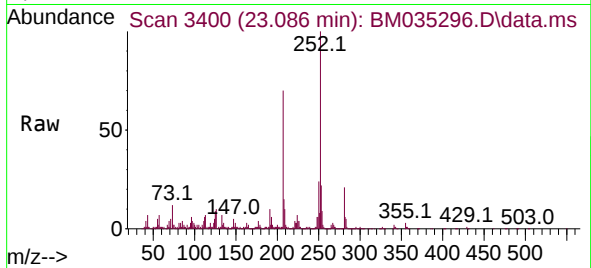




#89
Benzo(k)fluoranthene
Concen: 7.299 ng
RT: 23.086 min Scan# 34
Delta R.T. -0.053 min
Lab File: BM035296.D
Acq: 27 May 2022 19:26

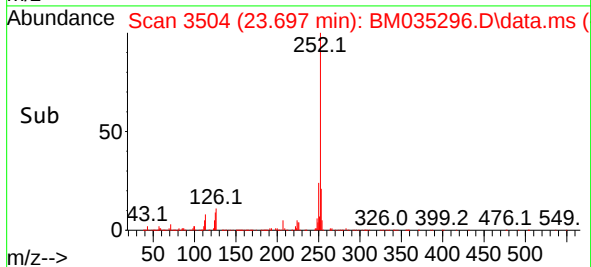
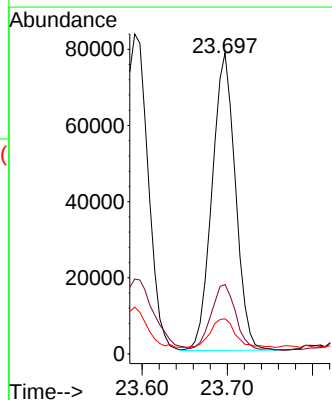
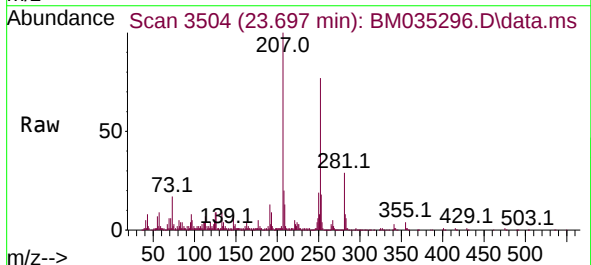
Instrument :
BNA_M
ClientSampleId :
P006-SS002-1218-01

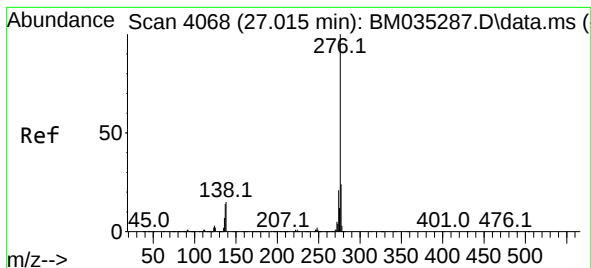
Tgt Ion:252 Resp: 317158
Ion Ratio Lower Upper
252 100
253 22.3 17.5 26.3
125 9.3 7.6 11.4



#90
Benzo(a)pyrene
Concen: 4.081 ng
RT: 23.697 min Scan# 3504
Delta R.T. -0.006 min
Lab File: BM035296.D
Acq: 27 May 2022 19:26

Tgt Ion:252 Resp: 148765
Ion Ratio Lower Upper
252 100
253 23.1 17.2 25.8
125 11.7 8.7 13.1





#92

Benzo(g,h,i)perylene

Concen: 3.999 ng

RT: 26.991 min Scan# 4064

Delta R.T. -0.024 min

Lab File: BM035296.D

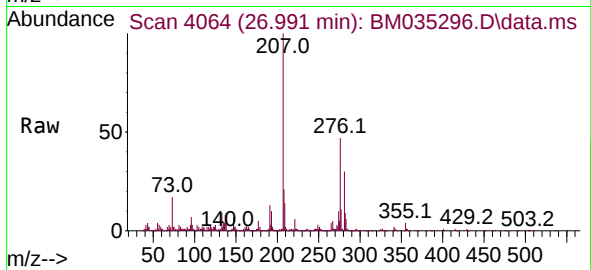
Acq: 27 May 2022 19:26

Instrument :

BNA_M

ClientSampleId :

P006-SS002-1218-01



Tgt Ion:276 Resp: 164571

Ion Ratio Lower Upper

276 100

277 22.6 18.7 28.1

138 18.5 17.6 26.4

