

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102221\
 Data File : BM032677.D
 Acq On : 22 Oct 2021 16:08
 Operator : CG/JU
 Sample : M4313-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 3990

Quant Time: Oct 22 17:49:25 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM100221.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 22 11:30:44 2021
 Response via : Initial Calibration

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

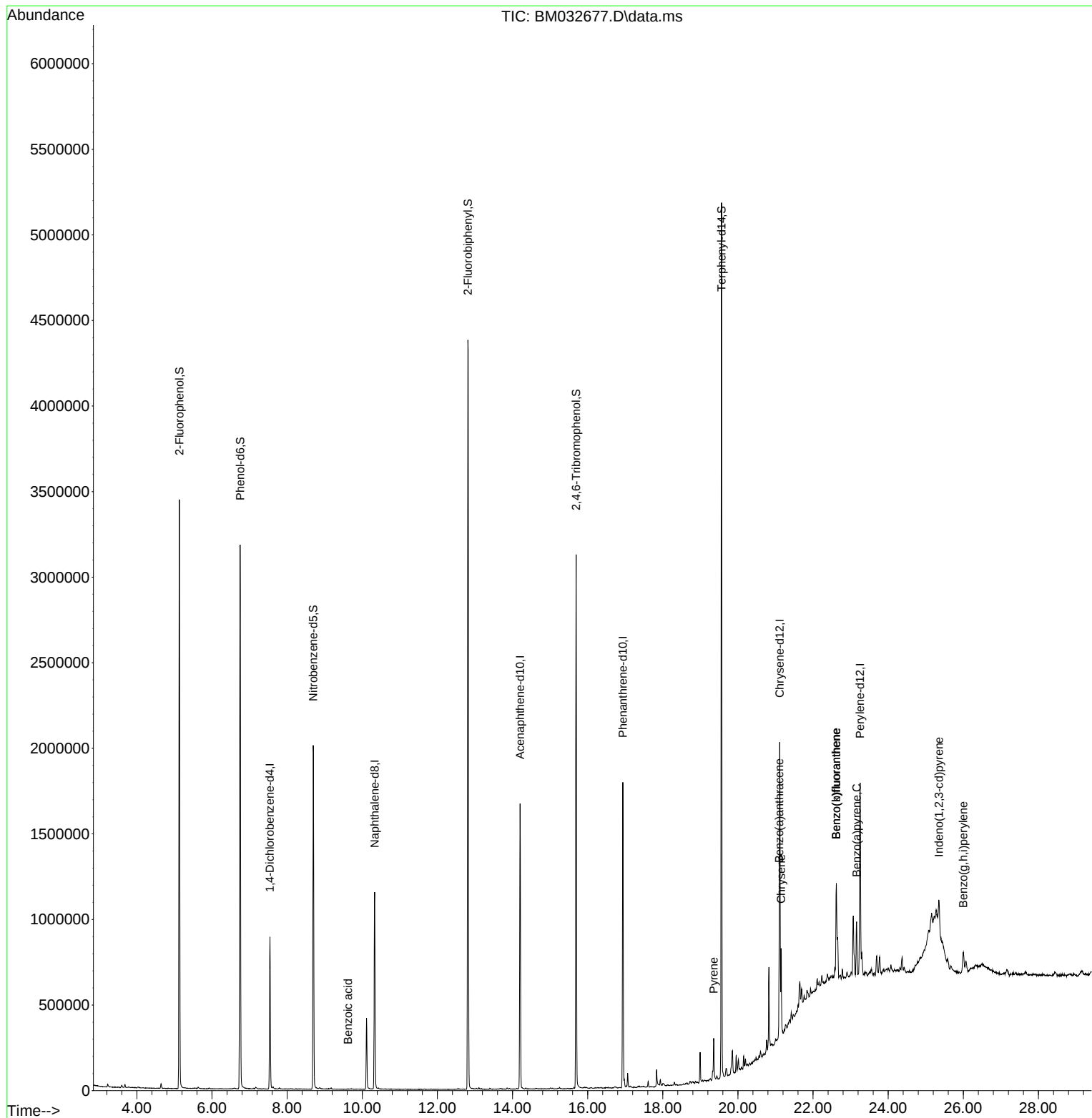
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.542	152	231504	20.000	ng	0.00
21) Naphthalene-d8	10.331	136	936578	20.000	ng	# 0.00
39) Acenaphthene-d10	14.201	164	550407	20.000	ng	0.00
64) Phenanthrene-d10	16.936	188	993817	20.000	ng	0.00
76) Chrysene-d12	21.112	240	705749	20.000	ng	0.00
86) Perylene-d12	23.253	264	715385	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.131	112	1413848	102.901	ng	0.00
7) Phenol-d6	6.748	99	1783825	94.938	ng	0.00
23) Nitrobenzene-d5	8.695	82	1115897	66.266	ng	0.00
42) 2,4,6-Tribromophenol	15.695	330	534622	86.764	ng	0.00
45) 2-Fluorobiphenyl	12.813	172	2341313	63.247	ng	0.00
79) Terphenyl-d14	19.565	244	2345801	70.001	ng	0.00
Target Compounds						
						Qvalue
32) Benzoic acid	9.619	122	728	4.889	ng	# 58
78) Pyrene	19.353	202	137745	2.878	ng	99
81) Benzo(a)anthracene	21.100	228	203884	4.622	ng	99
83) Chrysene	21.147	228	291709	6.835	ng	99
87) Indeno(1,2,3-cd)pyrene	25.353	276	144383	3.275	ng	98
88) Benzo(b)fluoranthene	22.618	252	544820	12.520	ng	99
89) Benzo(k)fluoranthene	22.618	252	544820	12.816	ng	98
90) Benzo(a)pyrene	23.159	252	217812	6.172	ng	# 95
92) Benzo(g,h,i)perylene	26.000	276	129957	3.537	ng	# 93

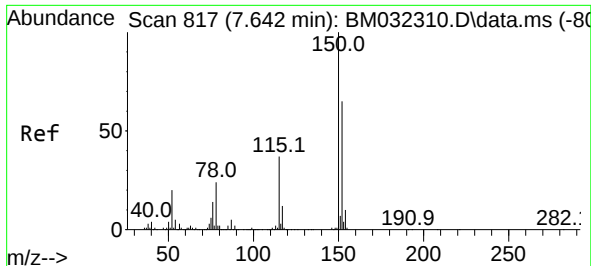
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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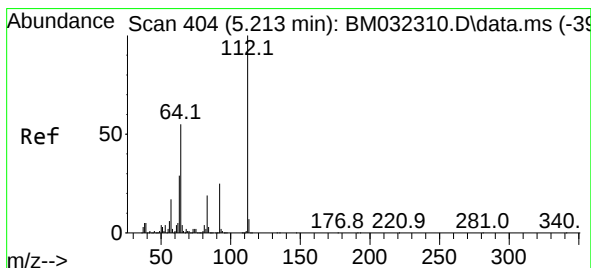
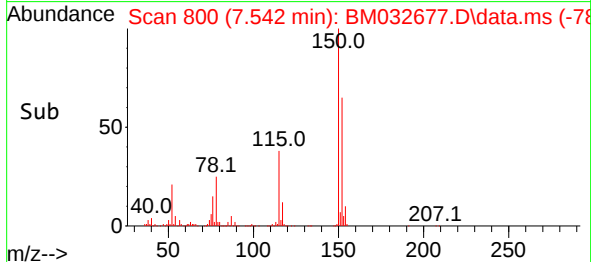
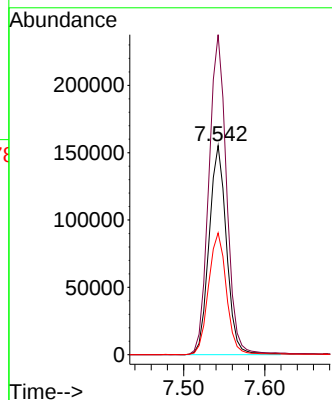
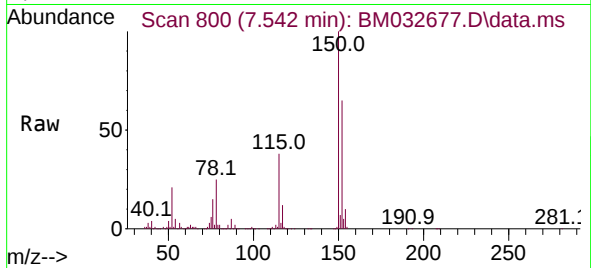




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.542 min Scan# 800
Delta R.T. 0.000 min
Lab File: BM032677.D
Acq: 22 Oct 2021 16:08

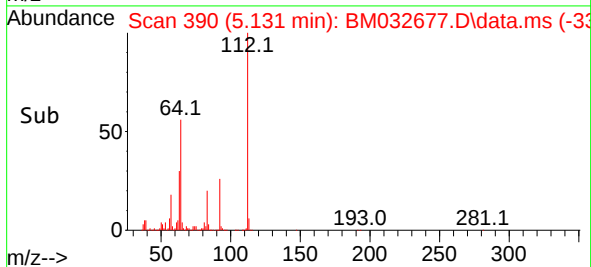
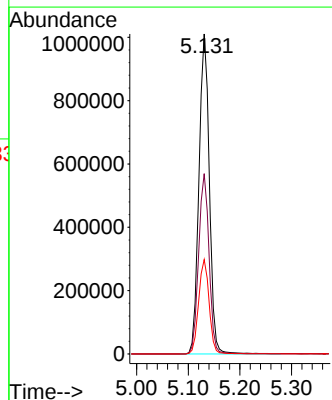
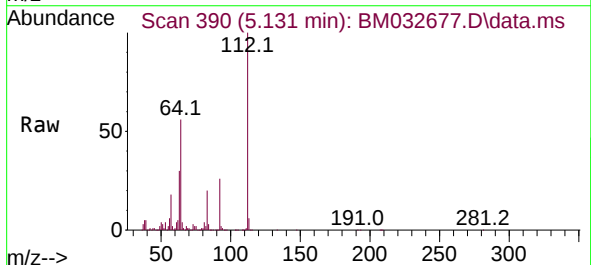
Instrument :
BNA_M
ClientSampleId :
3990

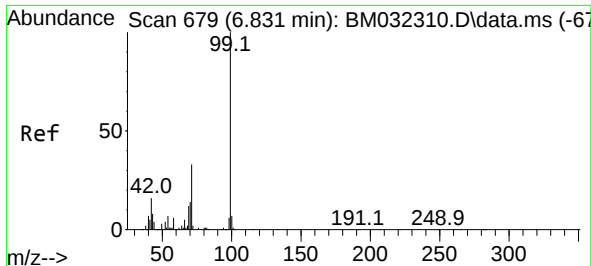
Tgt Ion:152 Resp: 231504
Ion Ratio Lower Upper
152 100
150 153.0 122.4 183.6
115 58.2 53.8 80.8



#5
2-Fluorophenol
Concen: 102.901 ng
RT: 5.131 min Scan# 390
Delta R.T. 0.006 min
Lab File: BM032677.D
Acq: 22 Oct 2021 16:08

Tgt Ion:112 Resp: 1413848
Ion Ratio Lower Upper
112 100
64 56.3 53.7 80.5
63 29.5 33.9 50.9#

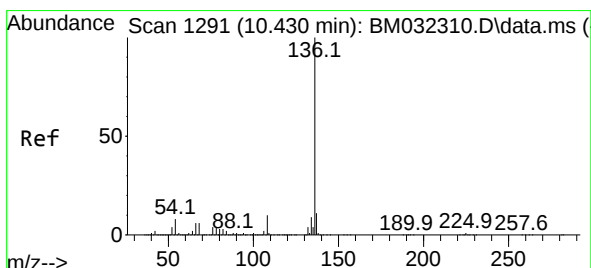
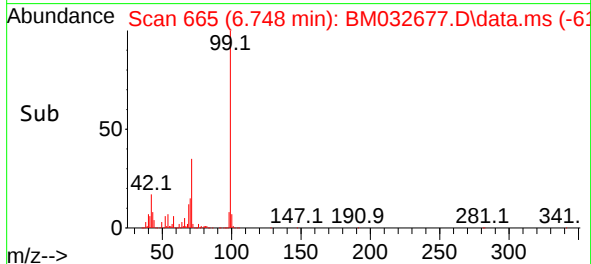
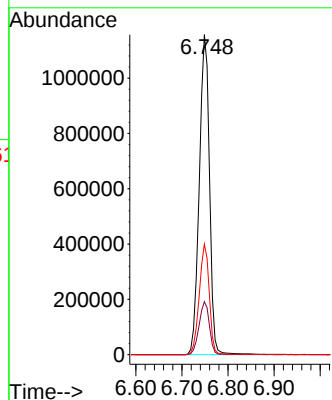
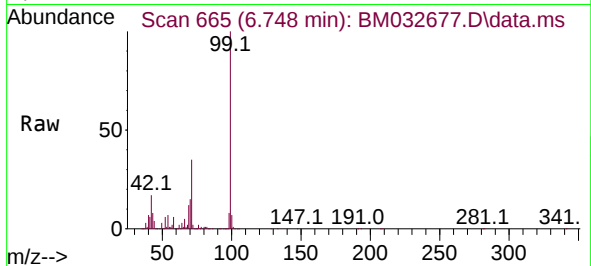




#7
Phenol-d6
Concen: 94.938 ng
RT: 6.748 min Scan# 665
Delta R.T. 0.000 min
Lab File: BM032677.D
Acq: 22 Oct 2021 16:08

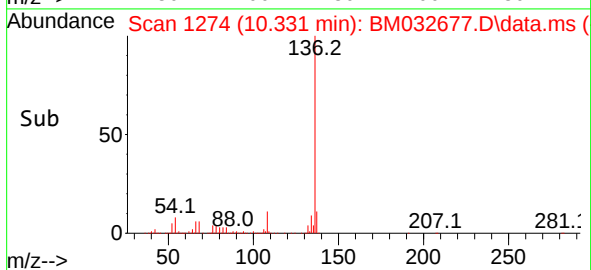
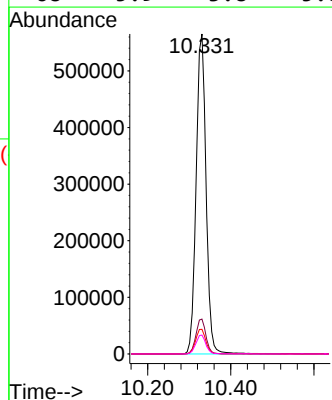
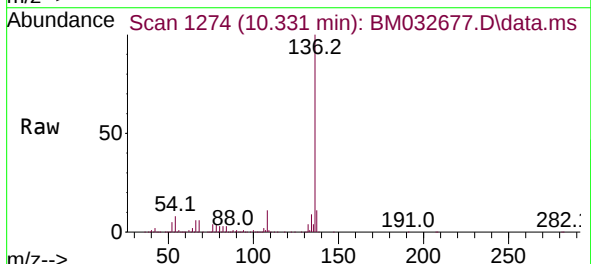
Instrument :
BNA_M
ClientSampleId :
3990

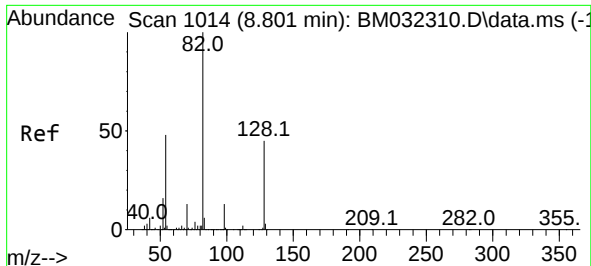
Tgt Ion: 99 Resp: 1783825
Ion Ratio Lower Upper
99 100
42 16.6 23.0 34.6#
71 34.6 37.8 56.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.331 min Scan# 1274
Delta R.T. 0.000 min
Lab File: BM032677.D
Acq: 22 Oct 2021 16:08

Tgt Ion: 136 Resp: 936578
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 7.7 7.4 11.0
68 5.9 3.8 5.8#

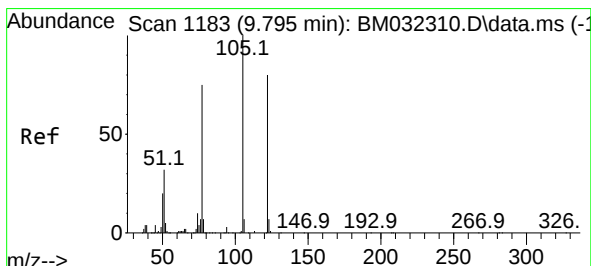
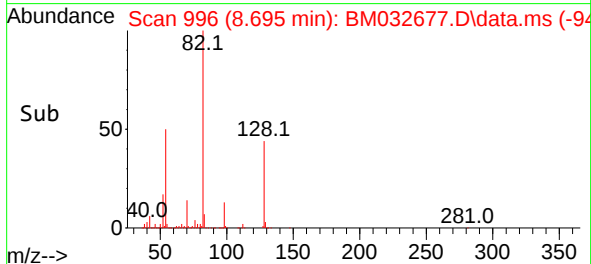
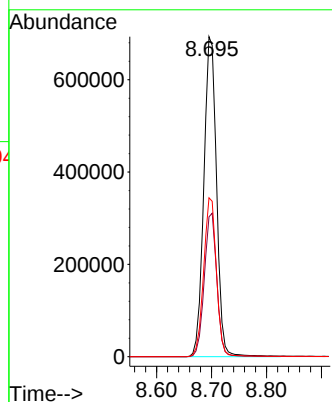
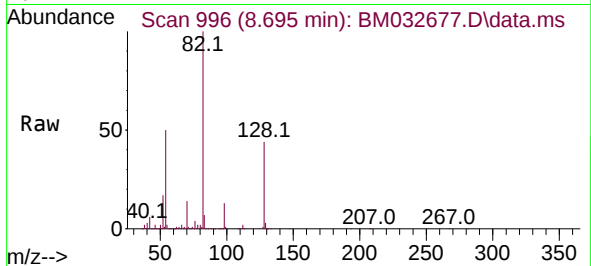




#23
Nitrobenzene-d5
Concen: 66.266 ng
RT: 8.695 min Scan# 996
Delta R.T. -0.006 min
Lab File: BM032677.D
Acq: 22 Oct 2021 16:08

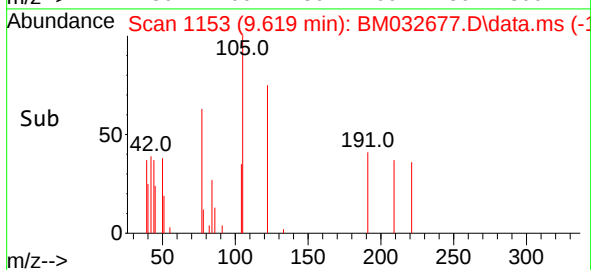
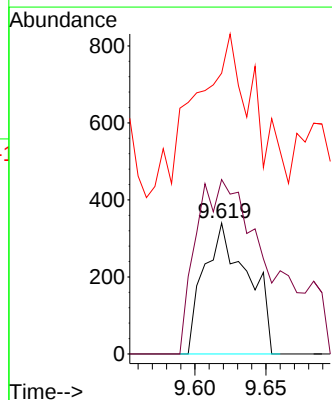
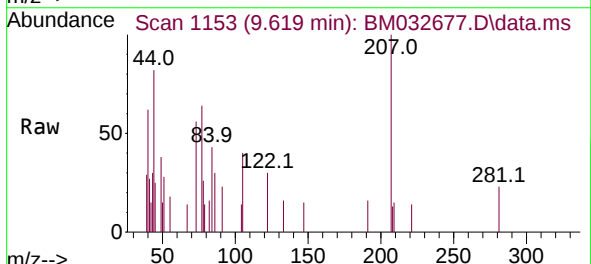
Instrument :
BNA_M
ClientSampleId :
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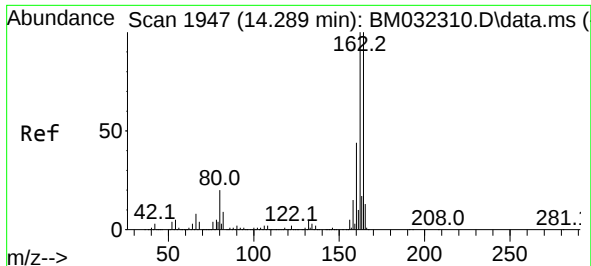
Tgt Ion: 82 Resp: 1115897
Ion Ratio Lower Upper
82 100
128 43.7 29.0 43.6#
54 49.7 45.8 68.8



#32
Benzoic acid
Concen: 4.889 ng
RT: 9.619 min Scan# 1153
Delta R.T. -0.094 min
Lab File: BM032677.D
Acq: 22 Oct 2021 16:08

Tgt Ion: 122 Resp: 728
Ion Ratio Lower Upper
122 100
105 133.2 120.3 160.3
77 214.4 100.0 140.0#

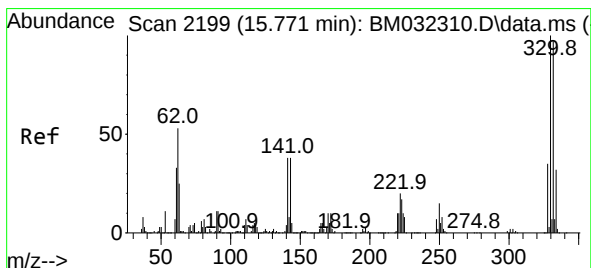
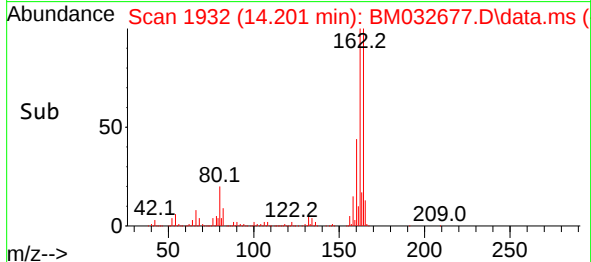
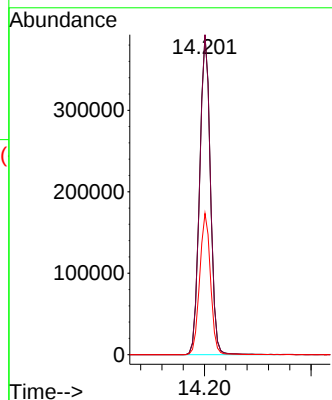
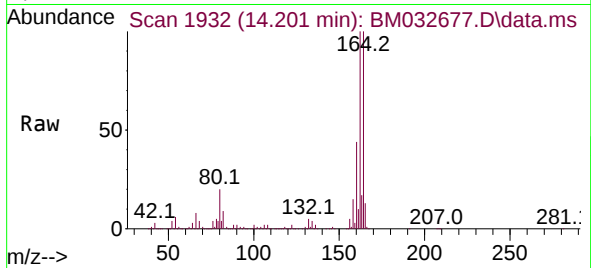




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.201 min Scan# 1932
Delta R.T. -0.006 min
Lab File: BM032677.D
Acq: 22 Oct 2021 16:08

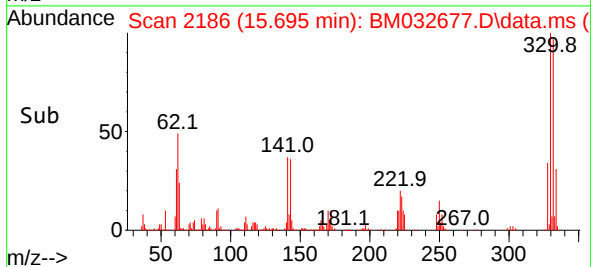
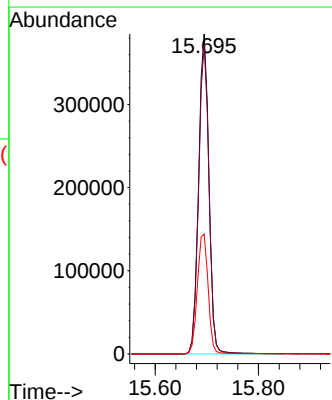
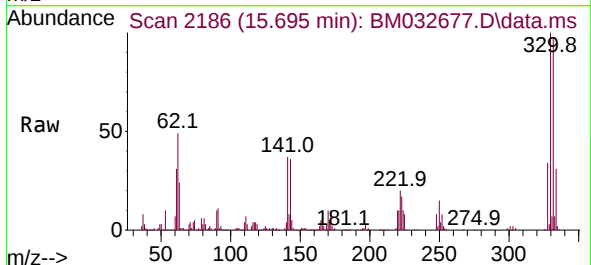
Instrument :
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ClientSampleId :
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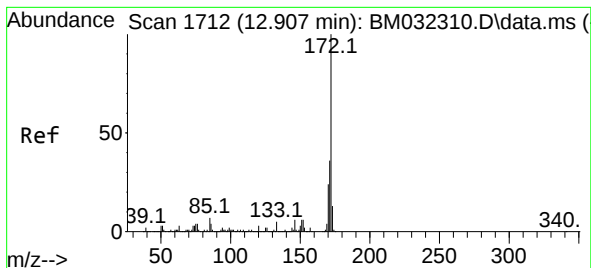
Tgt Ion:164 Resp: 550407
Ion Ratio Lower Upper
164 100
162 100.2 80.6 121.0
160 44.3 35.1 52.7



#42
2,4,6-Tribromophenol
Concen: 86.764 ng
RT: 15.695 min Scan# 2186
Delta R.T. 0.000 min
Lab File: BM032677.D
Acq: 22 Oct 2021 16:08

Tgt Ion:330 Resp: 534622
Ion Ratio Lower Upper
330 100
332 96.5 75.7 113.5
141 39.1 50.7 76.1#

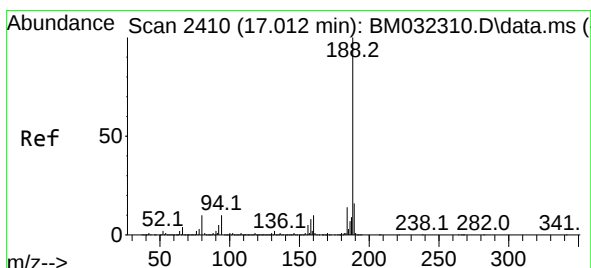
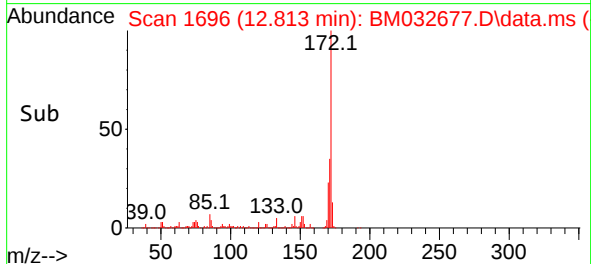
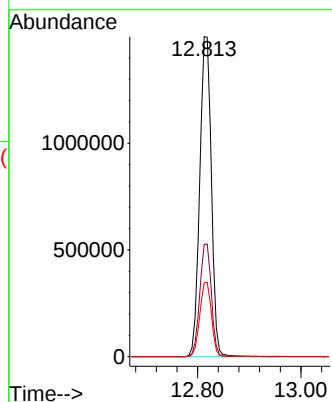
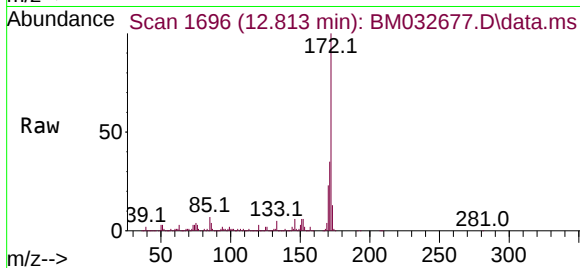




#45
2-Fluorobiphenyl
Concen: 63.247 ng
RT: 12.813 min Scan# 1696
Delta R.T. -0.006 min
Lab File: BM032677.D
Acq: 22 Oct 2021 16:08

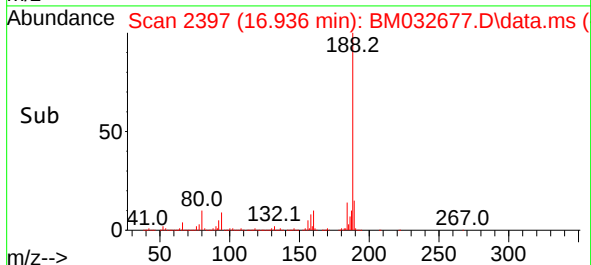
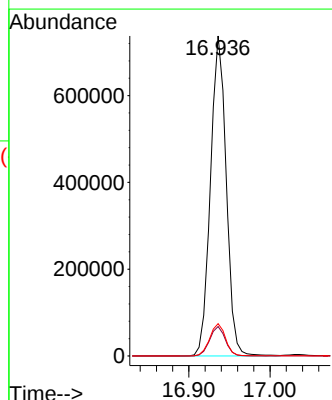
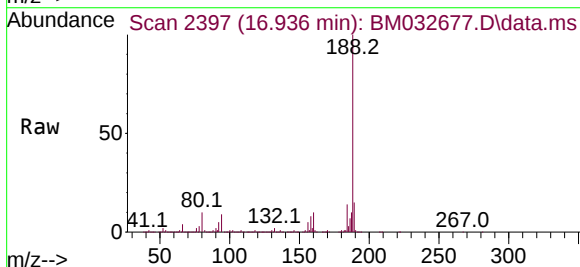
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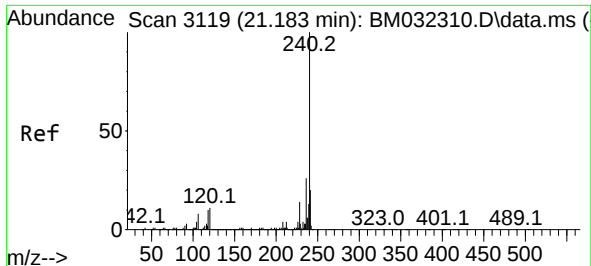
Tgt Ion:172 Resp: 2341313
Ion Ratio Lower Upper
172 100
171 35.1 28.1 42.1
170 23.1 18.6 27.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.936 min Scan# 2397
Delta R.T. 0.000 min
Lab File: BM032677.D
Acq: 22 Oct 2021 16:08

Tgt Ion:188 Resp: 993817
Ion Ratio Lower Upper
188 100
94 9.2 6.3 9.5
80 10.1 7.3 10.9

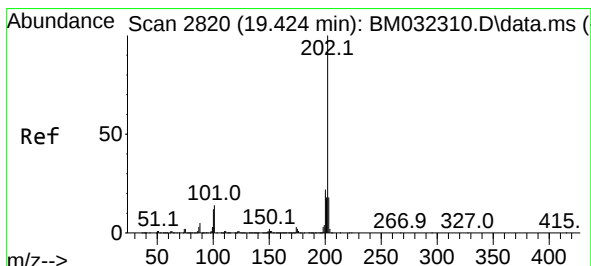
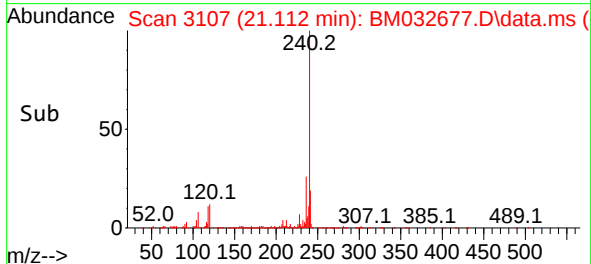
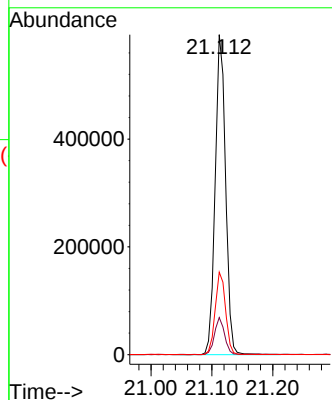
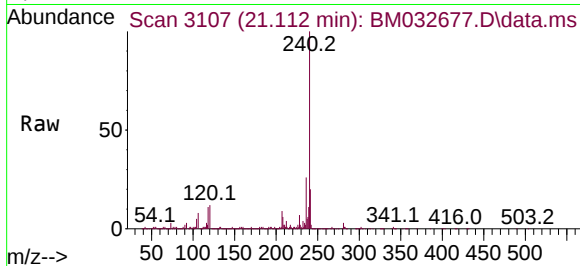




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.112 min Scan# 3107
Delta R.T. -0.006 min
Lab File: BM032677.D
Acq: 22 Oct 2021 16:08

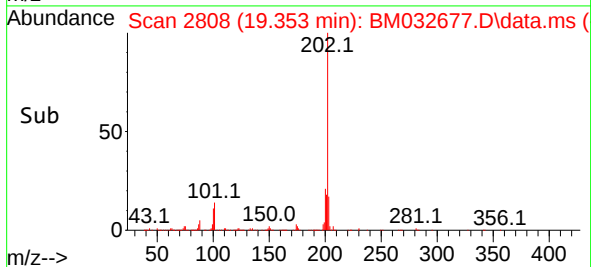
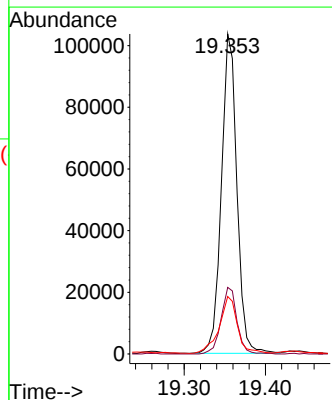
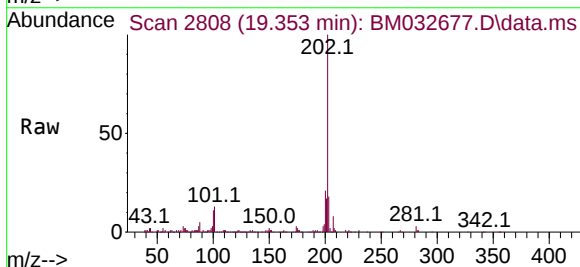
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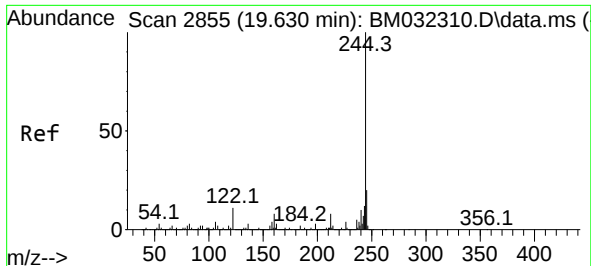
Tgt Ion:240 Resp: 705749
Ion Ratio Lower Upper
240 100
120 11.6 7.8 11.6
236 25.8 20.9 31.3



#78
Pyrene
Concen: 2.878 ng
RT: 19.353 min Scan# 2808
Delta R.T. -0.006 min
Lab File: BM032677.D
Acq: 22 Oct 2021 16:08

Tgt Ion:202 Resp: 137745
Ion Ratio Lower Upper
202 100
200 20.8 16.6 25.0
203 17.9 13.7 20.5

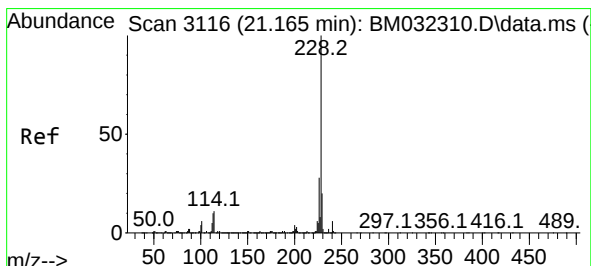
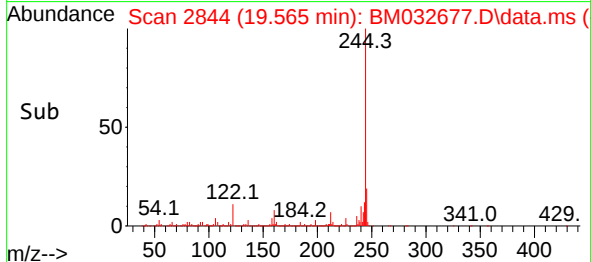
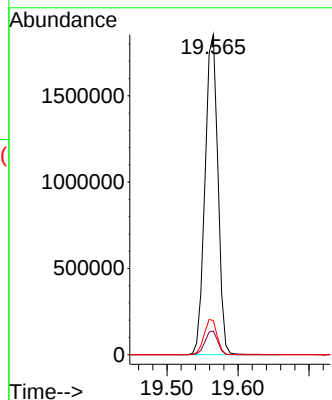
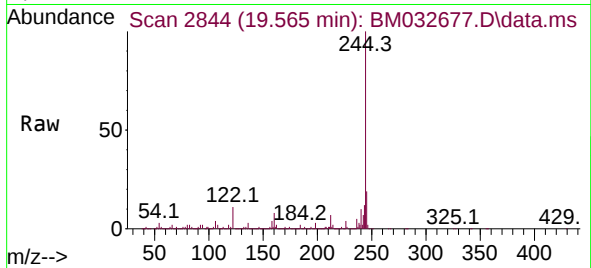




#79
 Terphenyl-d14
 Concen: 70.001 ng
 RT: 19.565 min Scan# 2844
 Delta R.T. 0.000 min
 Lab File: BM032677.D
 Acq: 22 Oct 2021 16:08

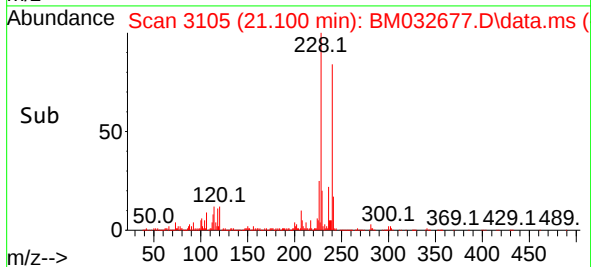
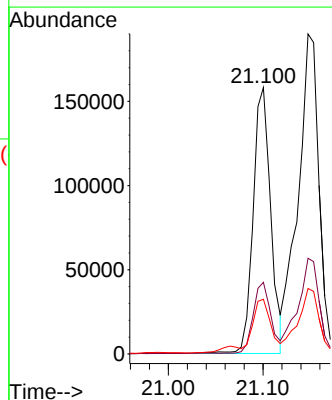
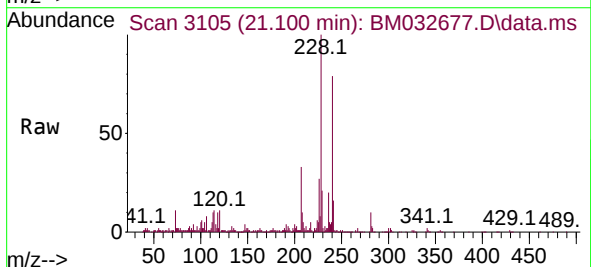
Instrument :
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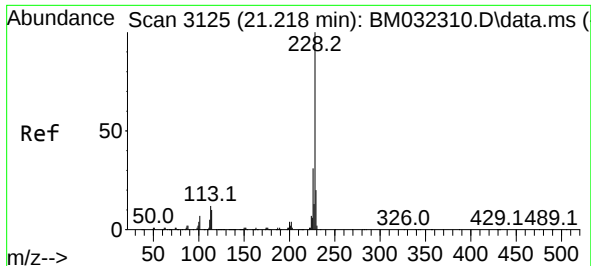
Tgt Ion:244 Resp: 2345801
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.5 9.7
 122 10.7 8.7 13.1



#81
 Benzo(a)anthracene
 Concen: 4.622 ng
 RT: 21.100 min Scan# 3105
 Delta R.T. 0.000 min
 Lab File: BM032677.D
 Acq: 22 Oct 2021 16:08

Tgt Ion:228 Resp: 203884
 Ion Ratio Lower Upper
 228 100
 226 26.9 21.4 32.2
 229 20.5 15.3 22.9

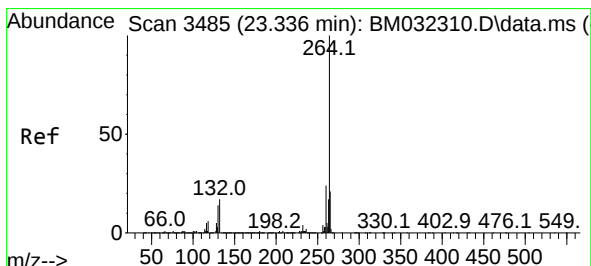
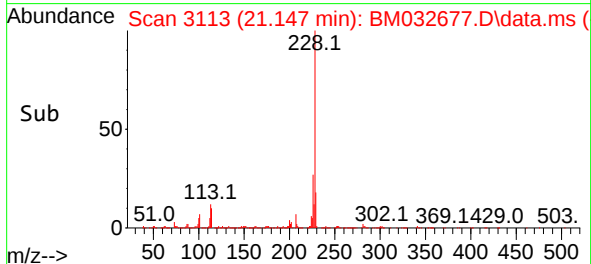
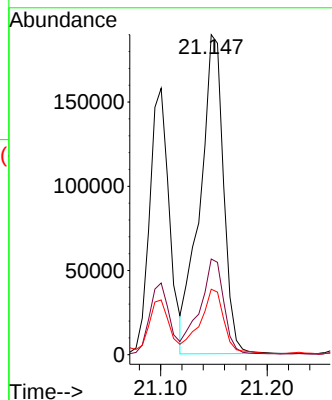
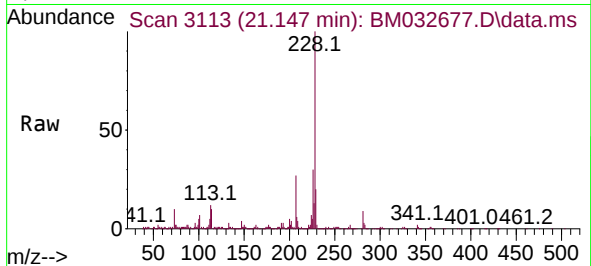




#83
Chrysene
Concen: 6.835 ng
RT: 21.147 min Scan# 3113
Delta R.T. -0.006 min
Lab File: BM032677.D
Acq: 22 Oct 2021 16:08

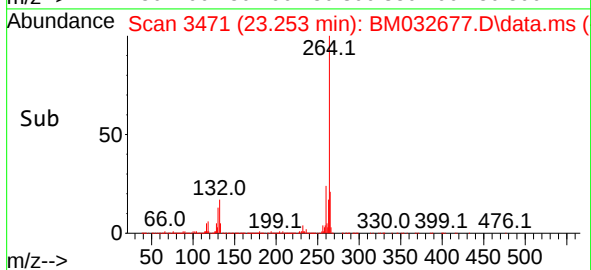
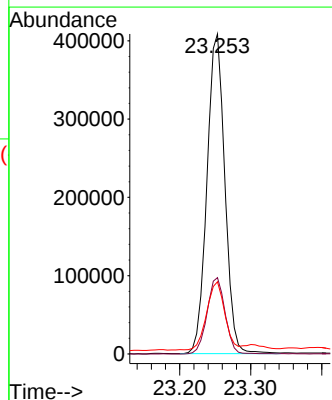
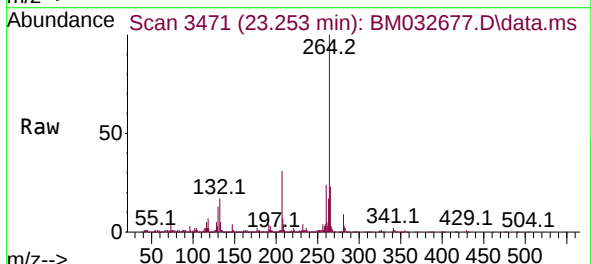
Instrument :
BNA_M
ClientSampleId :
3990

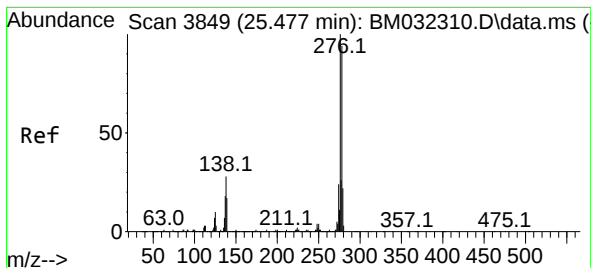
Tgt Ion:228 Resp: 291709
Ion Ratio Lower Upper
228 100
226 29.9 24.0 36.0
229 20.4 16.0 24.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.253 min Scan# 3471
Delta R.T. 0.000 min
Lab File: BM032677.D
Acq: 22 Oct 2021 16:08

Tgt Ion:264 Resp: 715385
Ion Ratio Lower Upper
264 100
260 23.9 19.3 28.9
265 22.5 18.3 27.5





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.275 ng

RT: 25.353 min Scan# 3828

Delta R.T. -0.012 min

Lab File: BM032677.D

Acq: 22 Oct 2021 16:08

Tgt Ion: 276 Resp: 144383

Ion Ratio Lower Upper

276 100

138 23.7 18.4 27.6

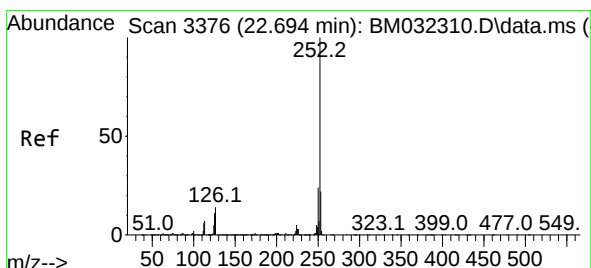
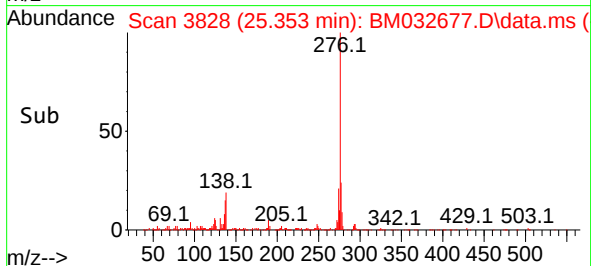
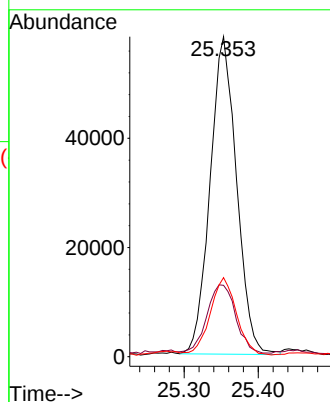
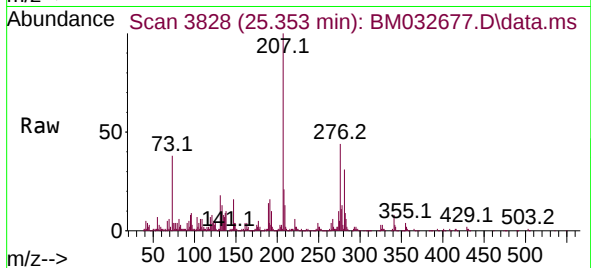
277 24.0 20.1 30.1

Instrument :

BNA_M

ClientSampleId :

3990



#88

Benzo(b)fluoranthene

Concen: 12.520 ng

RT: 22.618 min Scan# 3363

Delta R.T. 0.000 min

Lab File: BM032677.D

Acq: 22 Oct 2021 16:08

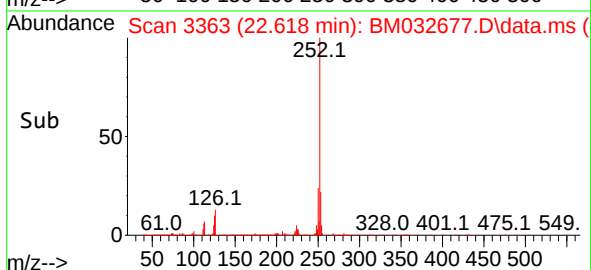
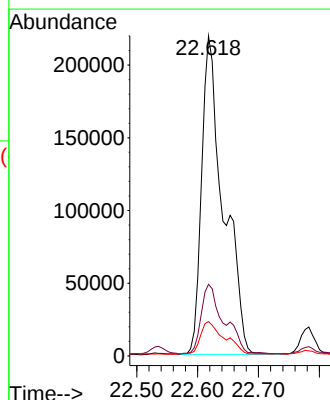
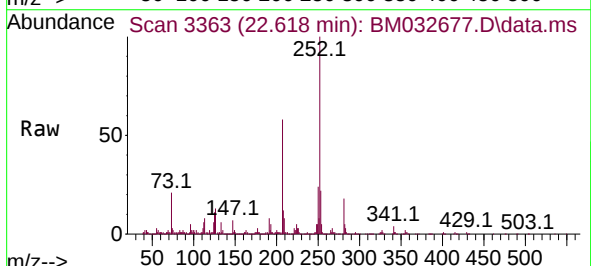
Tgt Ion: 252 Resp: 544820

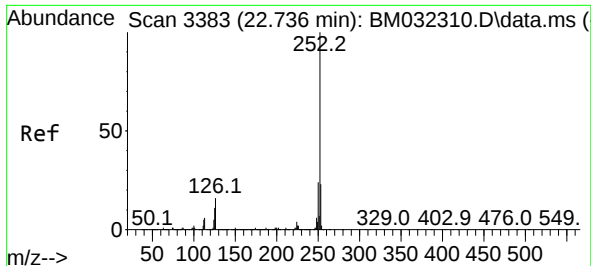
Ion Ratio Lower Upper

252 100

253 22.4 18.0 27.0

125 10.8 7.5 11.3

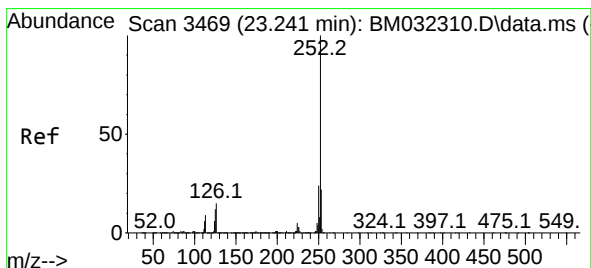
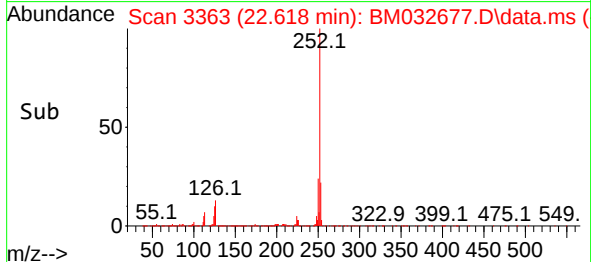
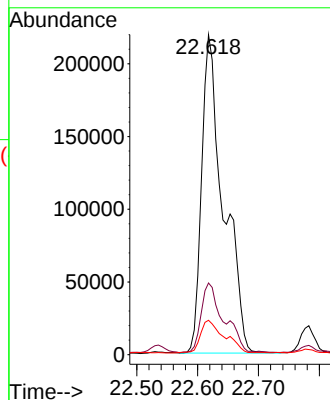
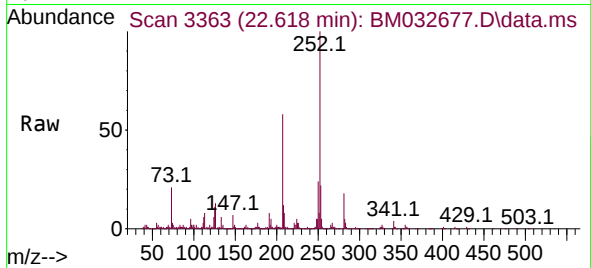




#89
Benzo(k)fluoranthene
Concen: 12.816 ng
RT: 22.618 min Scan# 3363
Delta R.T. -0.041 min
Lab File: BM032677.D
Acq: 22 Oct 2021 16:08

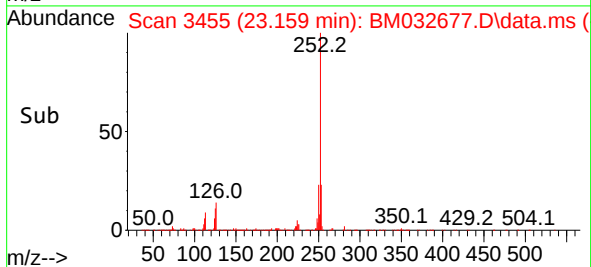
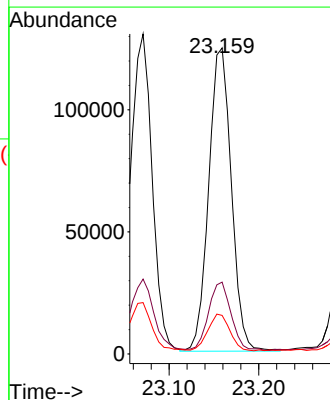
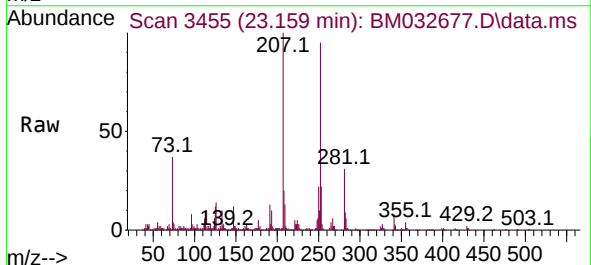
Instrument :
BNA_M
ClientSampled :
3990

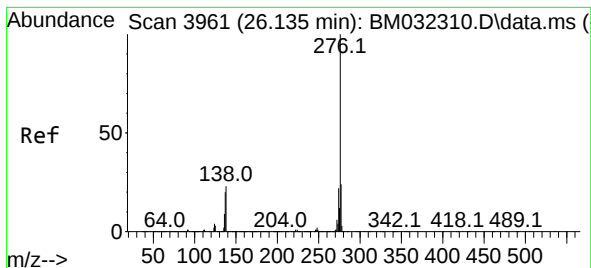
Tgt Ion:252 Resp: 544820
Ion Ratio Lower Upper
252 100
253 22.4 17.3 25.9
125 10.8 7.5 11.3



#90
Benzo(a)pyrene
Concen: 6.172 ng
RT: 23.159 min Scan# 3455
Delta R.T. 0.000 min
Lab File: BM032677.D
Acq: 22 Oct 2021 16:08

Tgt Ion:252 Resp: 217812
Ion Ratio Lower Upper
252 100
253 23.5 17.4 26.2
125 12.6 8.1 12.1#





#92

Benzo(g,h,i)perylene

Concen: 3.537 ng

RT: 26.000 min Scan# 3938

Delta R.T. -0.006 min

Lab File: BM032677.D

Acq: 22 Oct 2021 16:08

Instrument :

BNA_M

ClientSampleId :

3990

Tgt Ion:276 Resp: 129957

Ion Ratio Lower Upper

276 100

277 25.9 19.4 29.0

138 23.4 14.6 22.0#

