

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM011222\
 Data File : BM033697.D
 Acq On : 12 Jan 2022 14:03
 Operator : CG/JU
 Sample : N1097-10
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TP-2D

Quant Time: Jan 13 07:50:15 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM010522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 13 07:49:01 2022
 Response via : Initial Calibration

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

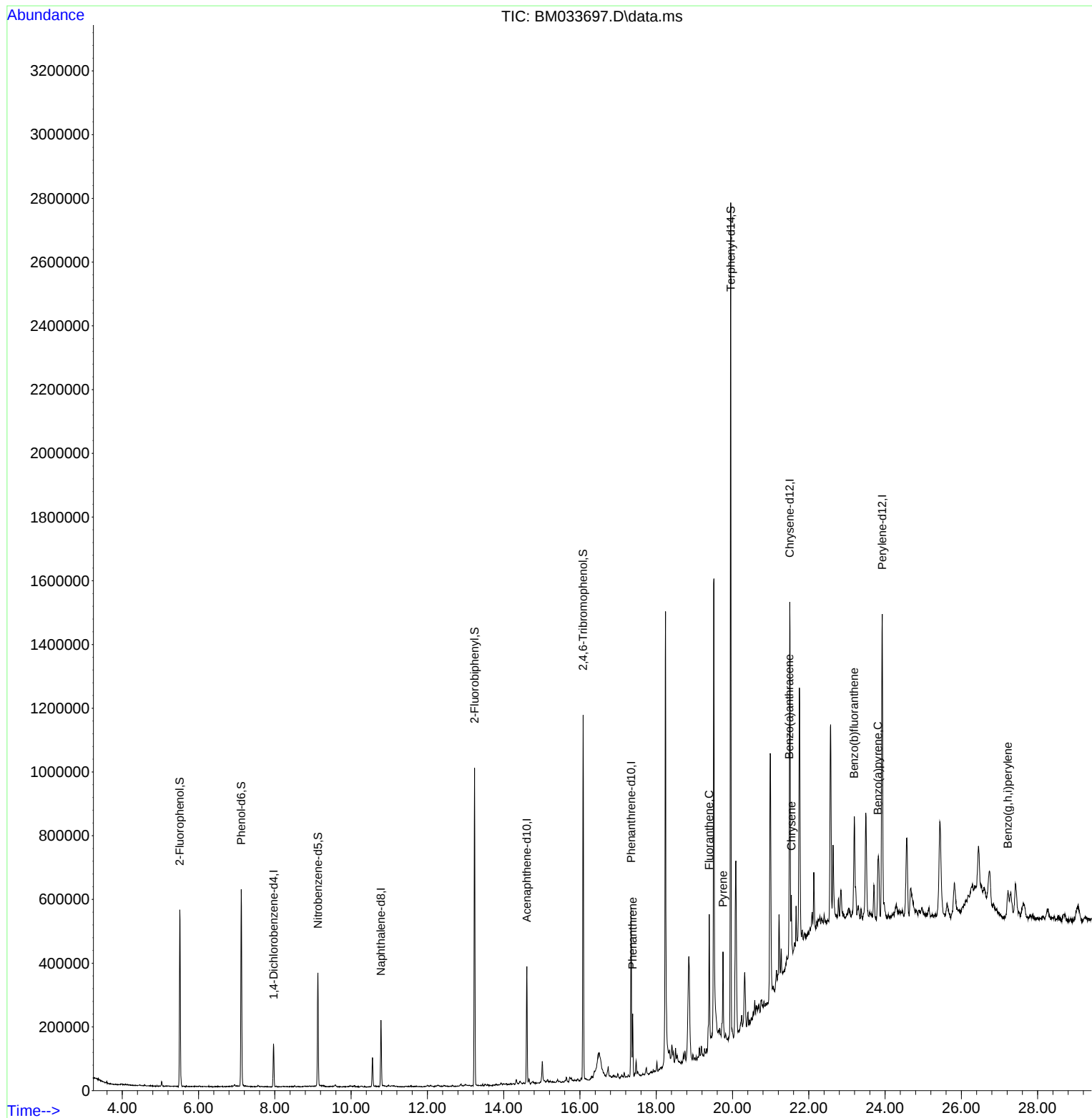
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.966	152	35090	20.000	ng	0.00
21) Naphthalene-d8	10.783	136	159424	20.000	ng	0.00
39) Acenaphthene-d10	14.607	164	117522	20.000	ng	0.00
64) Phenanthrene-d10	17.342	188	301611	20.000	ng	0.00
76) Chrysene-d12	21.500	240	478361	20.000	ng	0.00
86) Perylene-d12	23.924	264	705465	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.507	112	230899	103.779	ng	0.00
7) Phenol-d6	7.119	99	325545	108.563	ng	0.00
23) Nitrobenzene-d5	9.131	82	199036	57.658	ng	0.00
42) 2,4,6-Tribromophenol	16.083	330	180667	147.185	ng	0.00
45) 2-Fluorobiphenyl	13.236	172	464155	51.730	ng	0.00
79) Terphenyl-d14	19.953	244	1085564	40.848	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.383	178	109548	6.347	ng	98
75) Fluoranthene	19.389	202	167325	9.235	ng	99
78) Pyrene	19.748	202	167617	4.977	ng	99
81) Benzo(a)anthracene	21.489	228	114446	3.528	ng	95
83) Chrysene	21.542	228	103150	3.323	ng	98
88) Benzo(b)fluoranthene	23.189	252	153784	3.419	ng	# 95
90) Benzo(a)pyrene	23.812	252	125414	3.360	ng	# 94
92) Benzo(g,h,i)perylene	27.218	276	99766	2.348	ng	97

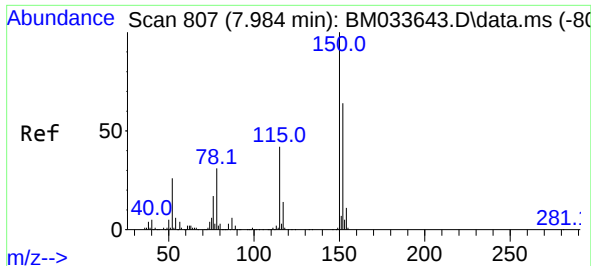
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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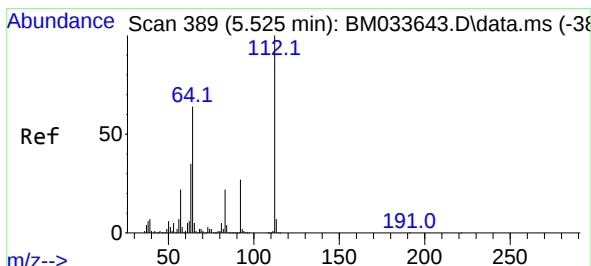
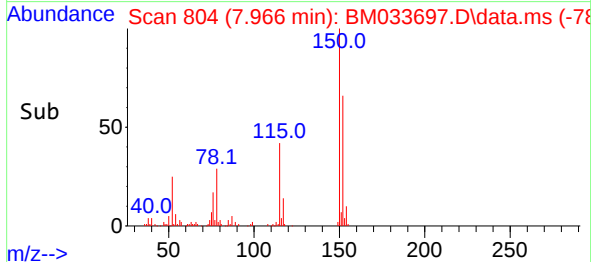
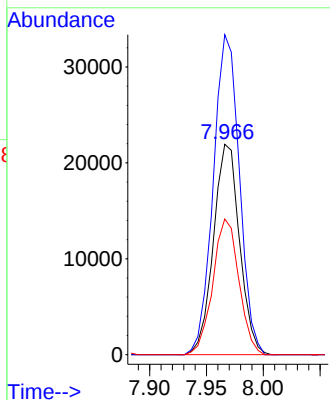
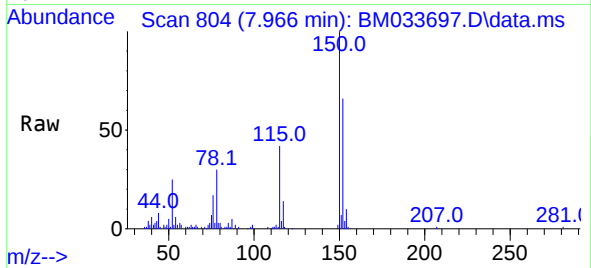




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.966 min Scan# 807
Delta R.T. -0.006 min
Lab File: BM033697.D
Acq: 12 Jan 2022 14:03

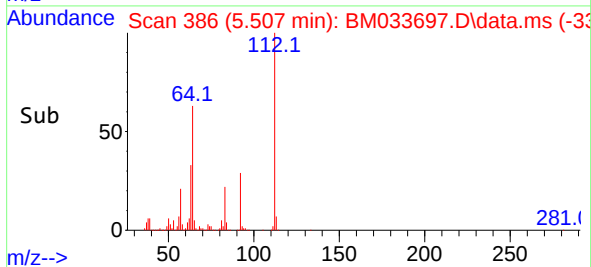
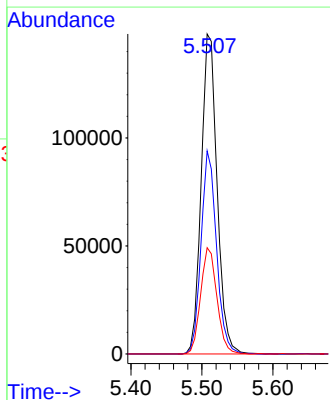
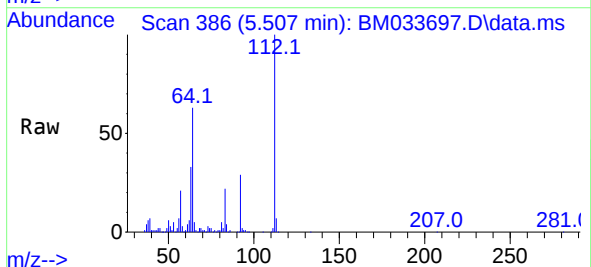
Instrument :
BNA_M
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TP-2D

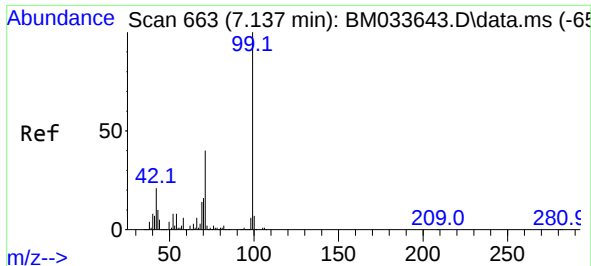
Tgt Ion:152 Resp: 35090
Ion Ratio Lower Upper
152 100
150 152.1 128.9 193.3
115 64.5 53.0 79.6



#5
2-Fluorophenol
Concen: 103.779 ng
RT: 5.507 min Scan# 386
Delta R.T. -0.006 min
Lab File: BM033697.D
Acq: 12 Jan 2022 14:03

Tgt Ion:112 Resp: 230899
Ion Ratio Lower Upper
112 100
64 63.5 55.5 83.3
63 33.2 31.3 46.9

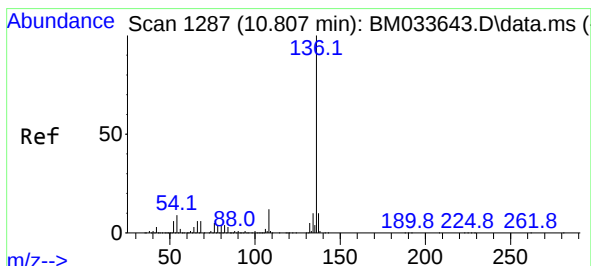
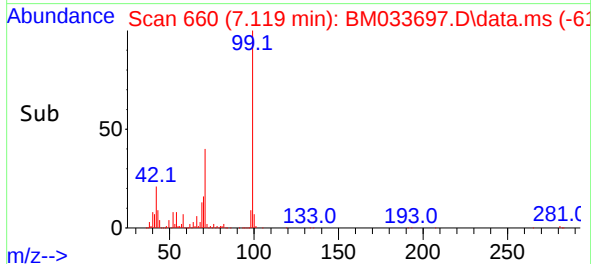
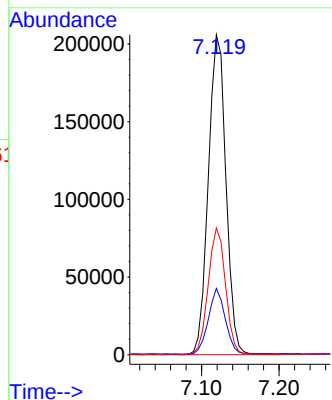
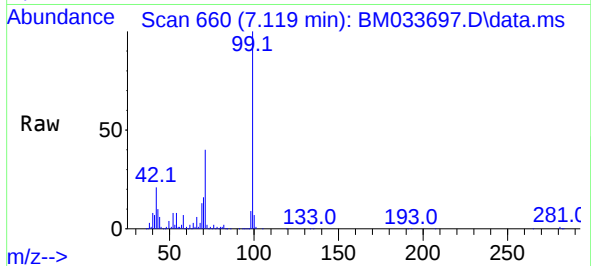




#7
Phenol-d6
Concen: 108.563 ng
RT: 7.119 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM033697.D
Acq: 12 Jan 2022 14:03

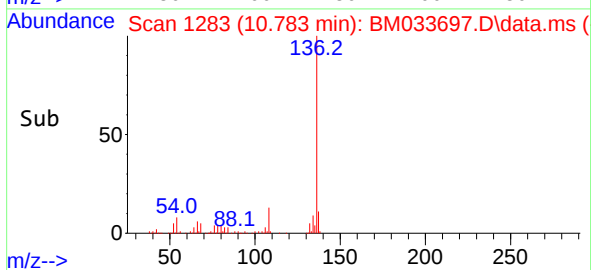
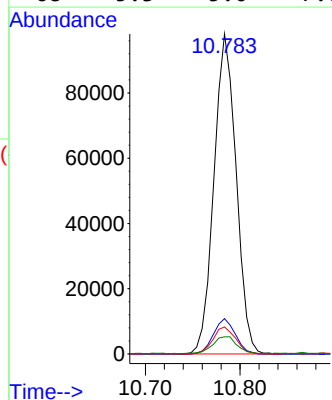
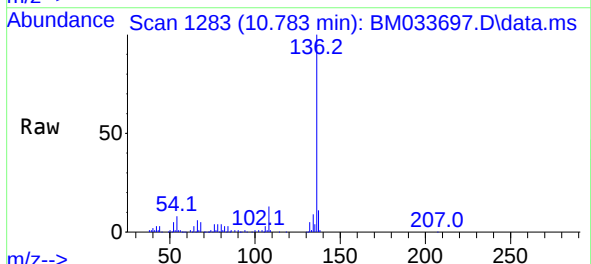
Instrument :
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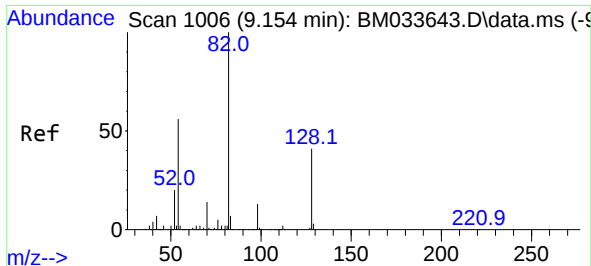
Tgt Ion: 99 Resp: 325545
Ion Ratio Lower Upper
99 100
42 20.7 20.3 30.5
71 39.6 34.5 51.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.783 min Scan# 1283
Delta R.T. -0.006 min
Lab File: BM033697.D
Acq: 12 Jan 2022 14:03

Tgt Ion: 136 Resp: 159424
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 8.4 8.3 12.5
68 5.3 5.0 7.6

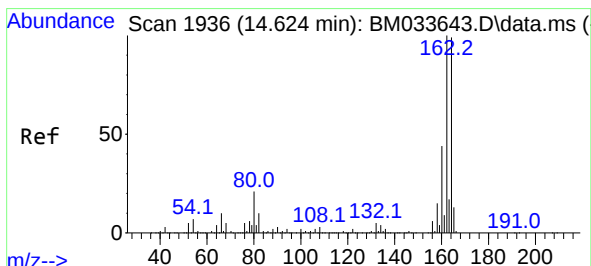
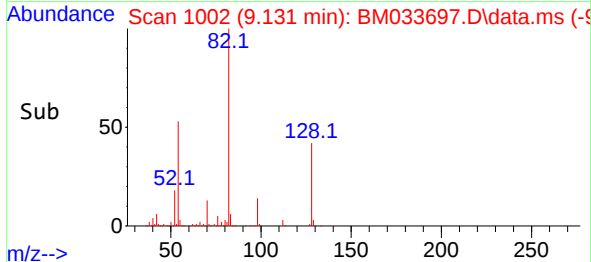
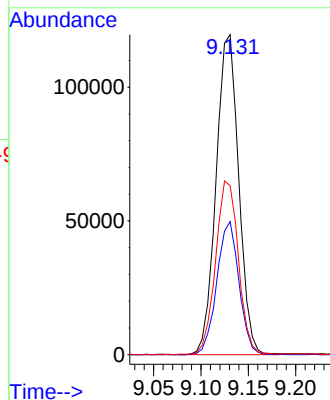
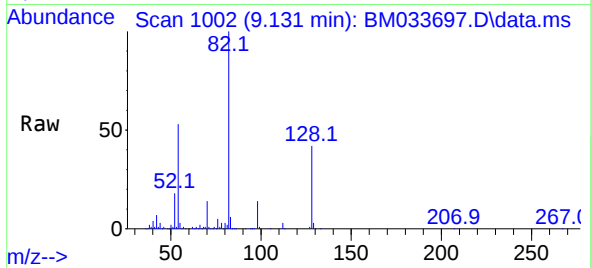




#23
Nitrobenzene-d5
Concen: 57.658 ng
RT: 9.131 min Scan# 10
Delta R.T. -0.006 min
Lab File: BM033697.D
Acq: 12 Jan 2022 14:03

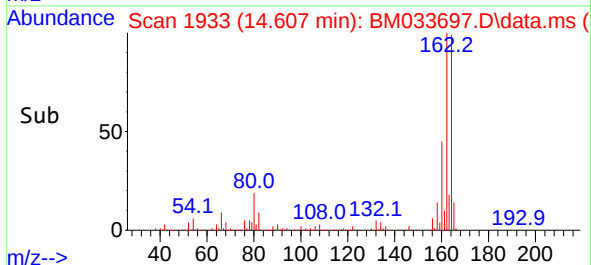
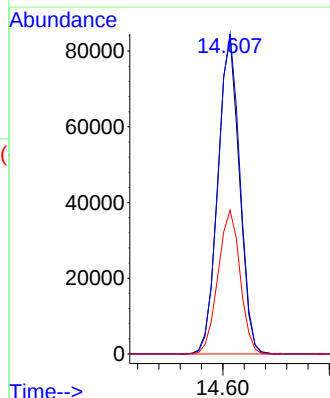
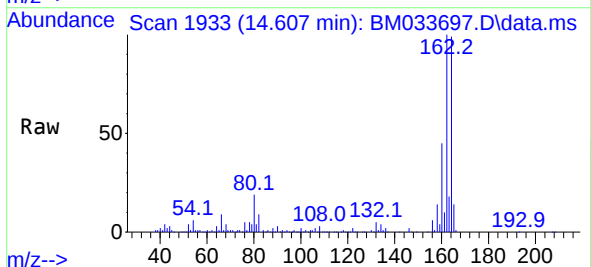
Instrument :
BNA_M
ClientSampleId :
TP-2D

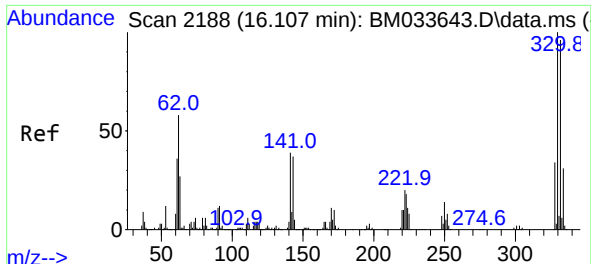
Tgt Ion: 82 Resp: 199036
Ion Ratio Lower Upper
82 100
128 41.6 28.1 42.1
54 52.8 46.1 69.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.607 min Scan# 1933
Delta R.T. 0.000 min
Lab File: BM033697.D
Acq: 12 Jan 2022 14:03

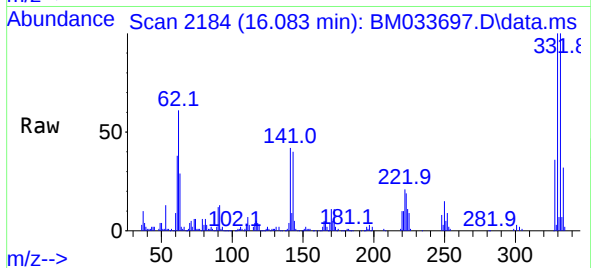
Tgt Ion: 164 Resp: 117522
Ion Ratio Lower Upper
164 100
162 101.1 79.7 119.5
160 45.4 34.2 51.4



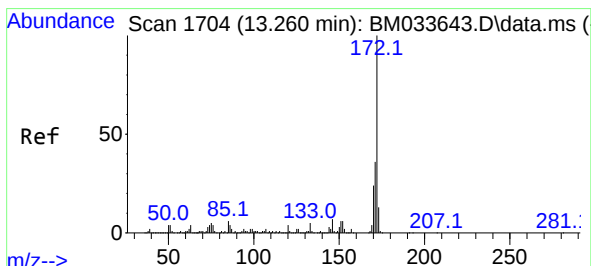
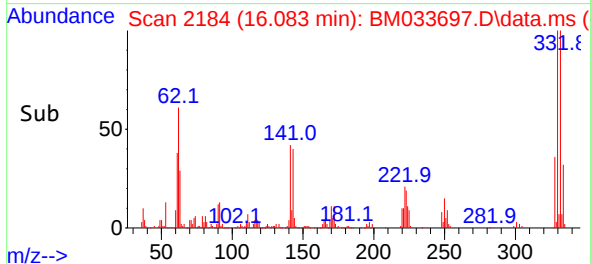
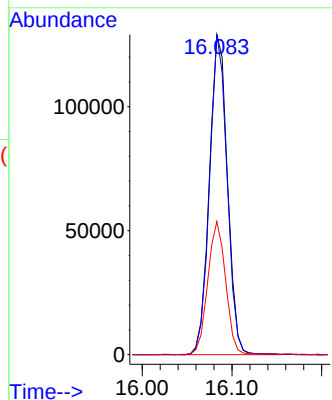


#42
2,4,6-Tribromophenol
Concen: 147.185 ng
RT: 16.083 min Scan# 2188
Delta R.T. -0.006 min
Lab File: BM033697.D
Acq: 12 Jan 2022 14:03

Instrument :
BNA_M
ClientSampleId :
TP-2D

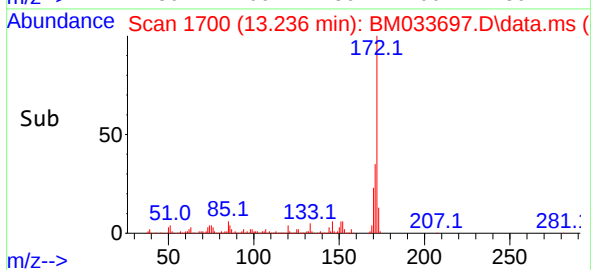
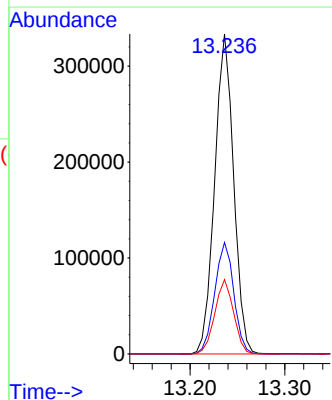
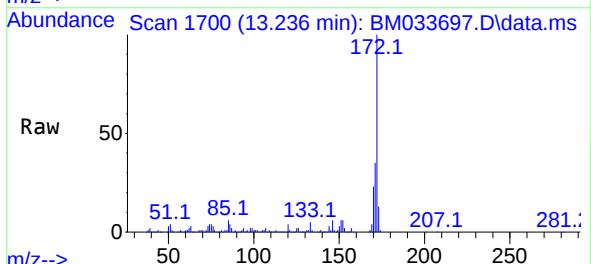


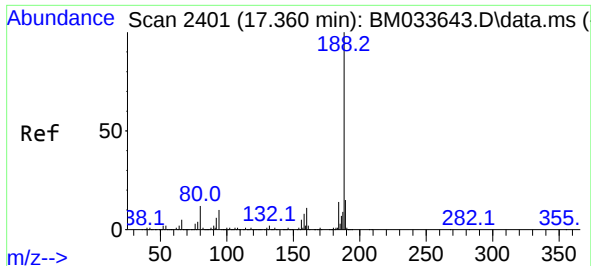
Tgt Ion:330 Resp: 180667
Ion Ratio Lower Upper
330 100
332 96.7 76.5 114.7
141 41.3 35.9 53.9



#45
2-Fluorobiphenyl
Concen: 51.730 ng
RT: 13.236 min Scan# 1700
Delta R.T. -0.006 min
Lab File: BM033697.D
Acq: 12 Jan 2022 14:03

Tgt Ion:172 Resp: 464155
Ion Ratio Lower Upper
172 100
171 34.8 27.2 40.8
170 23.3 18.7 28.1

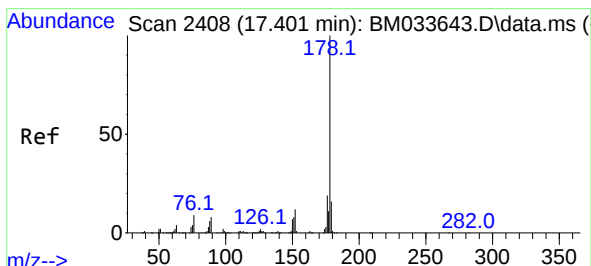
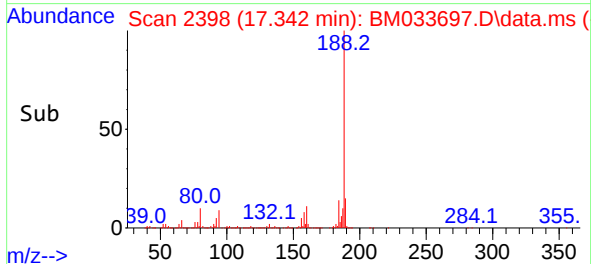
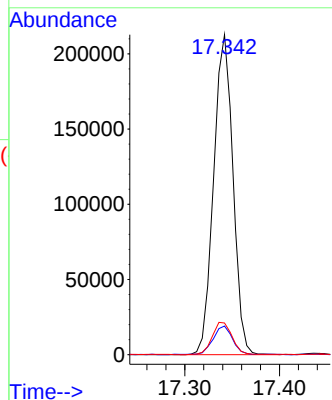
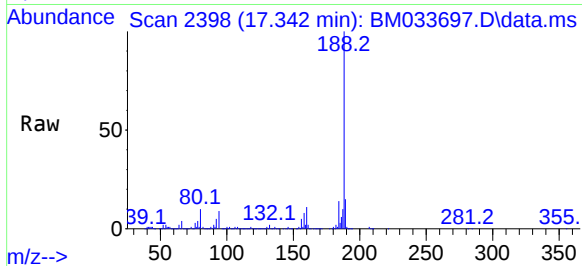




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.342 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM033697.D
Acq: 12 Jan 2022 14:03

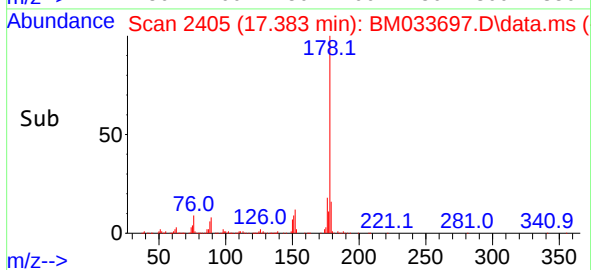
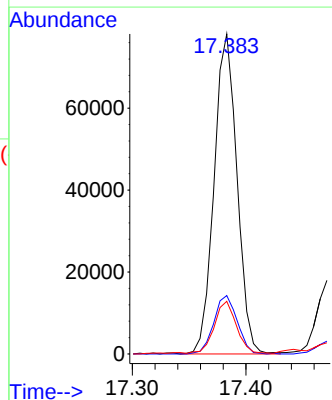
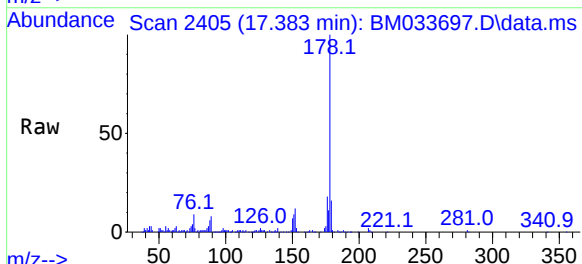
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ClientSampleId :
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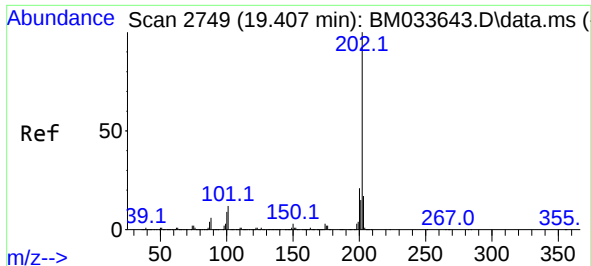
Tgt Ion:188 Resp: 301611
Ion Ratio Lower Upper
188 100
94 9.0 7.5 11.3
80 9.9 8.9 13.3



#71
Phenanthrene
Concen: 6.347 ng
RT: 17.383 min Scan# 2405
Delta R.T. -0.006 min
Lab File: BM033697.D
Acq: 12 Jan 2022 14:03

Tgt Ion:178 Resp: 109548
Ion Ratio Lower Upper
178 100
176 18.3 15.1 22.7
179 16.5 12.0 18.0

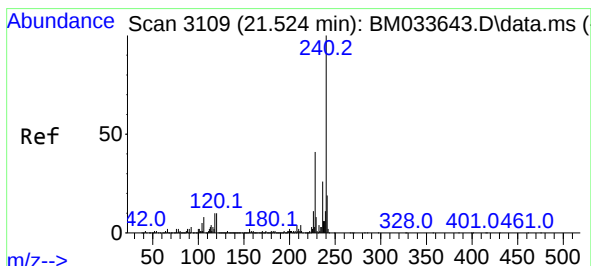
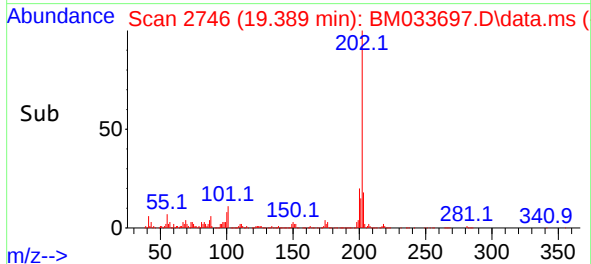
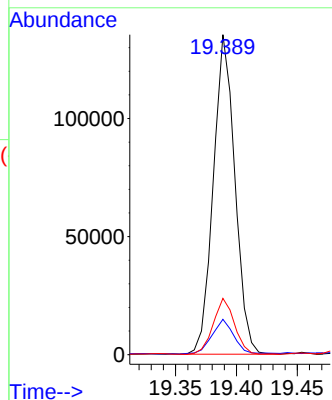
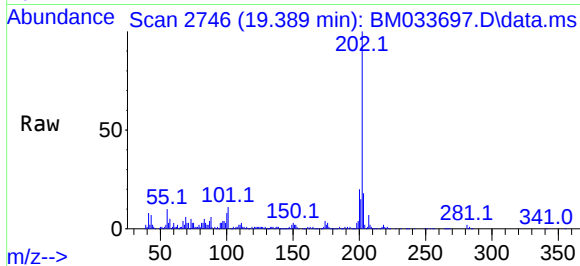




#75
Fluoranthene
Concen: 9.235 ng
RT: 19.389 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM033697.D
Acq: 12 Jan 2022 14:03

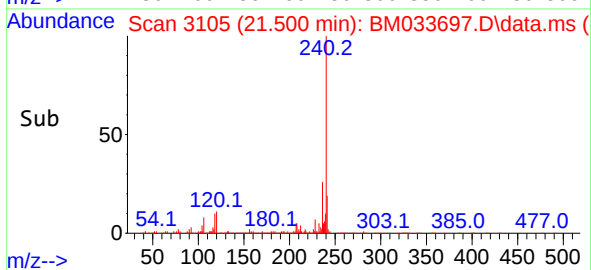
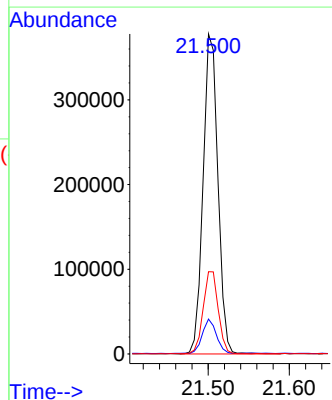
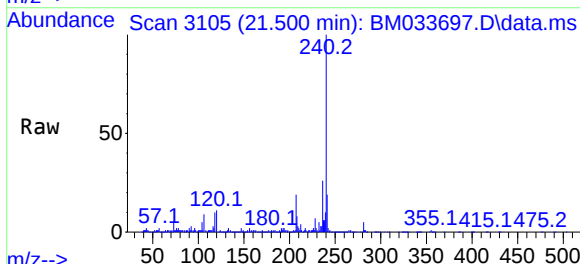
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TP-2D

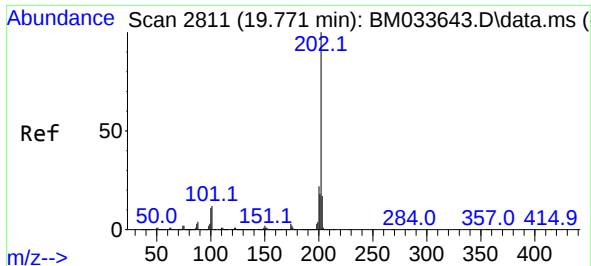
Tgt Ion:202 Resp: 167325
Ion Ratio Lower Upper
202 100
101 11.0 0.0 30.8
203 17.6 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.500 min Scan# 3105
Delta R.T. -0.006 min
Lab File: BM033697.D
Acq: 12 Jan 2022 14:03

Tgt Ion:240 Resp: 478361
Ion Ratio Lower Upper
240 100
120 10.9 7.8 11.6
236 25.7 20.3 30.5

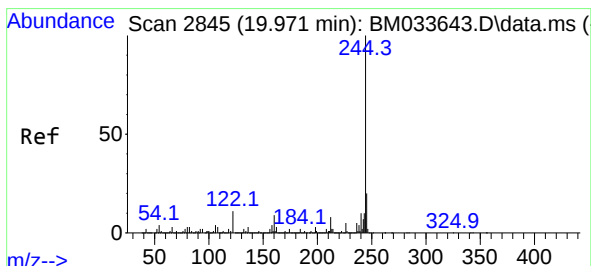
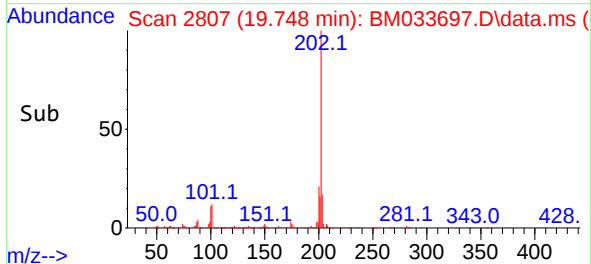
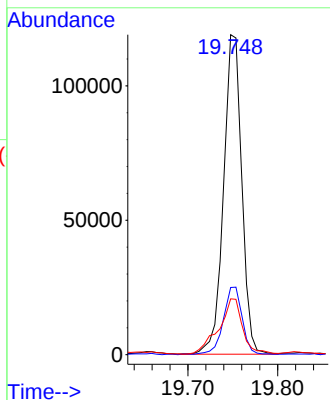
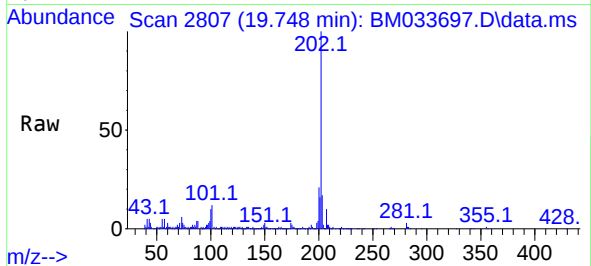




#78
Pyrene
Concen: 4.977 ng
RT: 19.748 min Scan# 2807
Delta R.T. -0.006 min
Lab File: BM033697.D
Acq: 12 Jan 2022 14:03

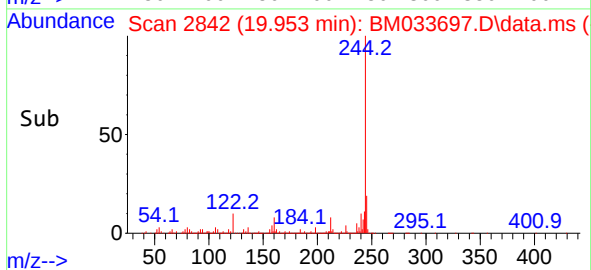
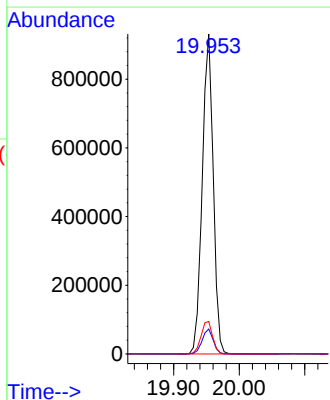
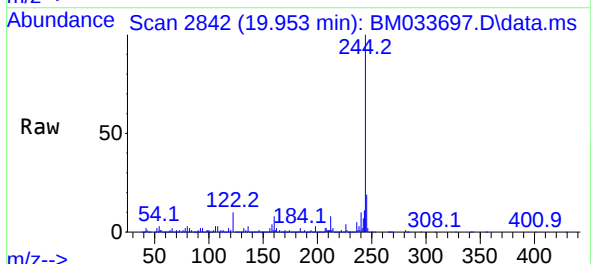
Instrument :
BNA_M
ClientSampleId :
TP-2D

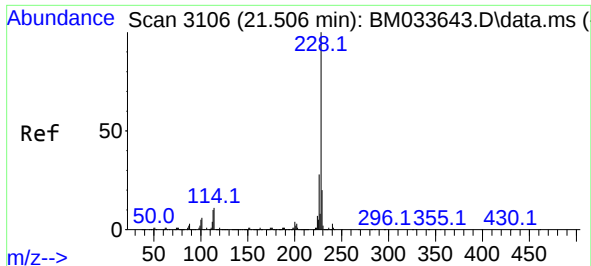
Tgt Ion:202 Resp: 167617
Ion Ratio Lower Upper
202 100
200 21.0 16.4 24.6
203 17.4 13.5 20.3



#79
Terphenyl-d14
Concen: 40.848 ng
RT: 19.953 min Scan# 2842
Delta R.T. -0.006 min
Lab File: BM033697.D
Acq: 12 Jan 2022 14:03

Tgt Ion:244 Resp: 1085564
Ion Ratio Lower Upper
244 100
212 7.8 5.9 8.9
122 10.2 8.4 12.6

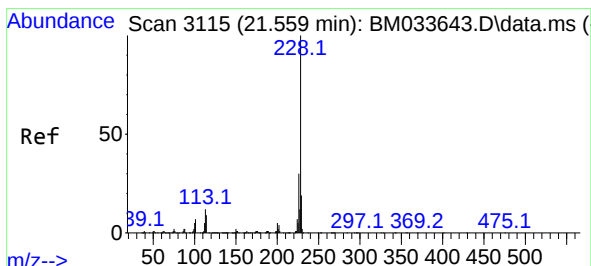
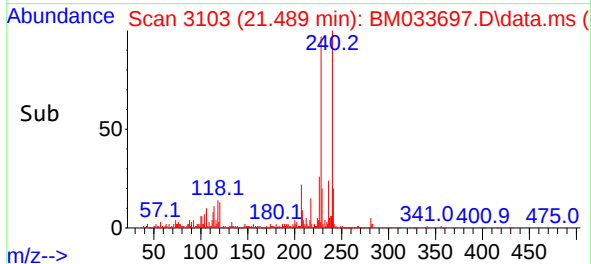
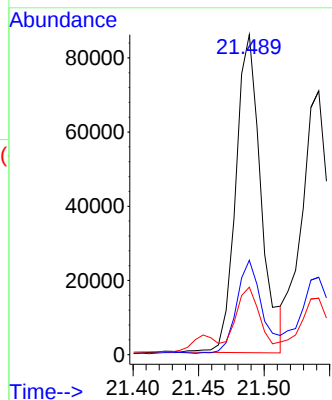
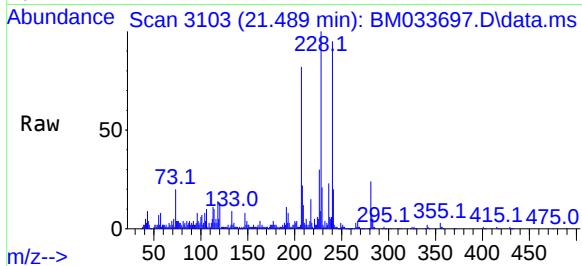




#81
Benzo(a)anthracene
Concen: 3.528 ng
RT: 21.489 min Scan# 3106
Delta R.T. -0.006 min
Lab File: BM033697.D
Acq: 12 Jan 2022 14:03

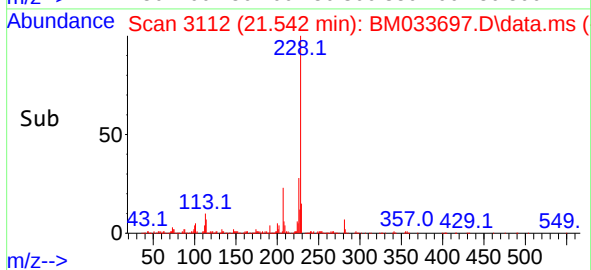
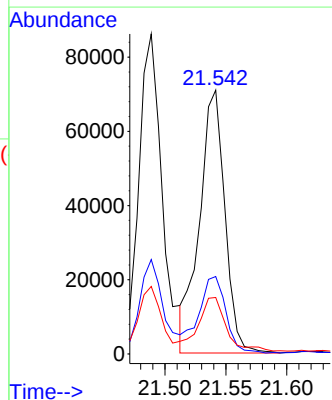
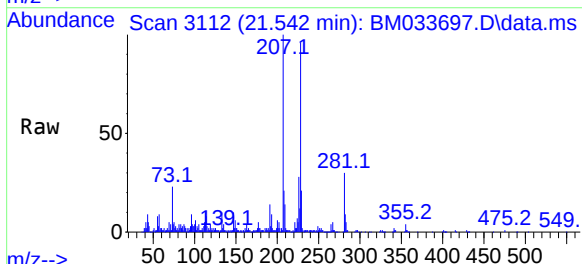
Instrument :
BNA_M
ClientSampleId :
TP-2D

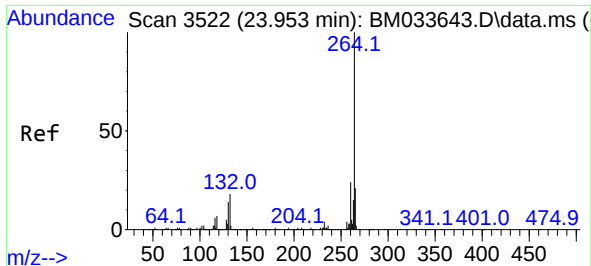
Tgt Ion:228 Resp: 114446
Ion Ratio Lower Upper
228 100
226 29.5 21.0 31.6
229 21.1 15.5 23.3



#83
Chrysene
Concen: 3.323 ng
RT: 21.542 min Scan# 3112
Delta R.T. -0.006 min
Lab File: BM033697.D
Acq: 12 Jan 2022 14:03

Tgt Ion:228 Resp: 103150
Ion Ratio Lower Upper
228 100
226 29.3 23.8 35.8
229 21.4 15.8 23.8

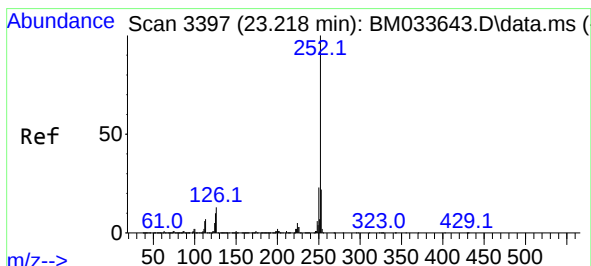
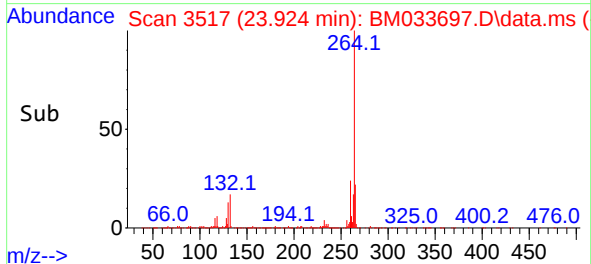
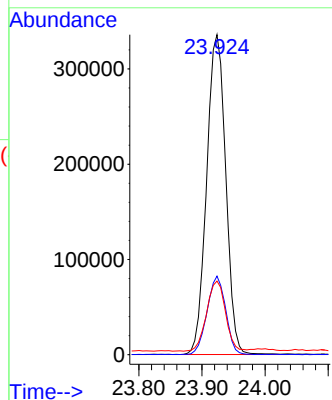
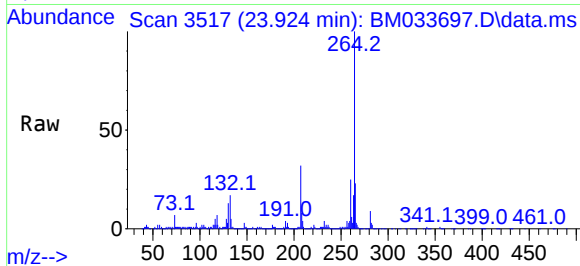




#86
Perylene-d12
Concen: 20.000 ng
RT: 23.924 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM033697.D
Acq: 12 Jan 2022 14:03

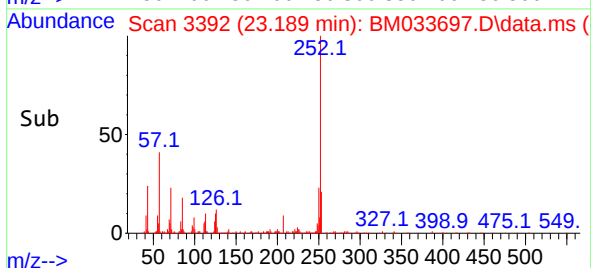
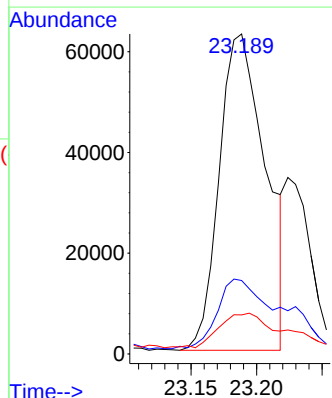
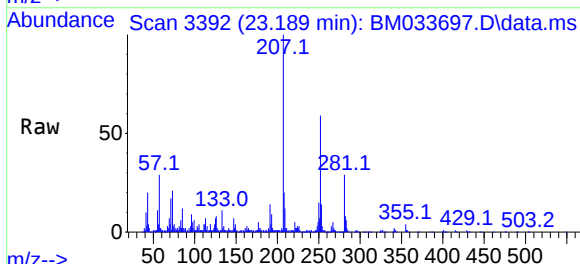
Instrument :
BNA_M
ClientSampleId :
TP-2D

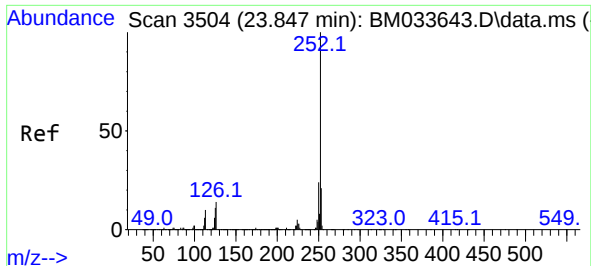
Tgt Ion:264 Resp: 705465
Ion Ratio Lower Upper
264 100
260 24.5 17.7 26.5
265 23.0 17.7 26.5



#88
Benzo(b)fluoranthene
Concen: 3.419 ng
RT: 23.189 min Scan# 3392
Delta R.T. 0.000 min
Lab File: BM033697.D
Acq: 12 Jan 2022 14:03

Tgt Ion:252 Resp: 153784
Ion Ratio Lower Upper
252 100
253 22.9 17.1 25.7
125 12.2 7.4 11.2#

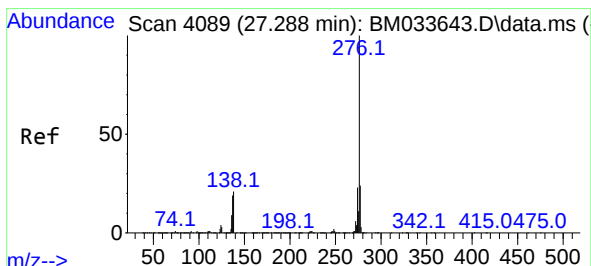
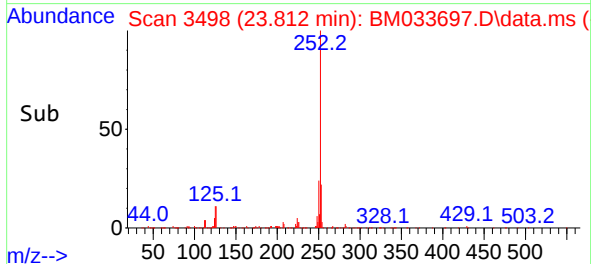
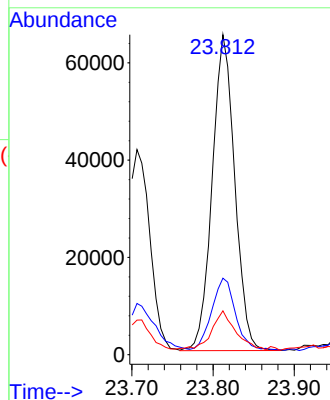
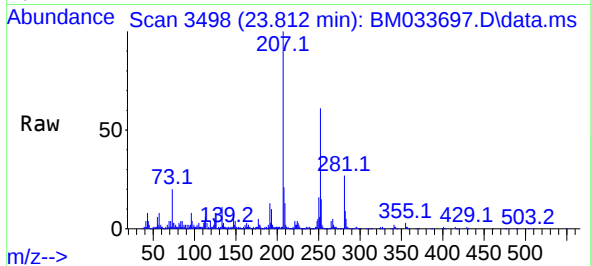




#90
Benzo(a)pyrene
Concen: 3.360 ng
RT: 23.812 min Scan# 34
Delta R.T. -0.006 min
Lab File: BM033697.D
Acq: 12 Jan 2022 14:03

Instrument :
BNA_M
ClientSampleId :
TP-2D

Tgt Ion:252 Resp: 125414
Ion Ratio Lower Upper
252 100
253 23.9 17.5 26.3
125 13.7 7.8 11.8#



#92
Benzo(g,h,i)perylene
Concen: 2.348 ng
RT: 27.218 min Scan# 4077
Delta R.T. -0.029 min
Lab File: BM033697.D
Acq: 12 Jan 2022 14:03

Tgt Ion:276 Resp: 99766
Ion Ratio Lower Upper
276 100
277 26.3 19.1 28.7
138 18.4 14.8 22.2

