

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081821\
 Data File : BM031819.D
 Acq On : 18 Aug 2021 23:22
 Operator : CG/JU
 Sample : M3421-04 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 72-11966

Quant Time: Aug 19 03:05:53 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081621.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 18 14:13:35 2021
 Response via : Initial Calibration

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

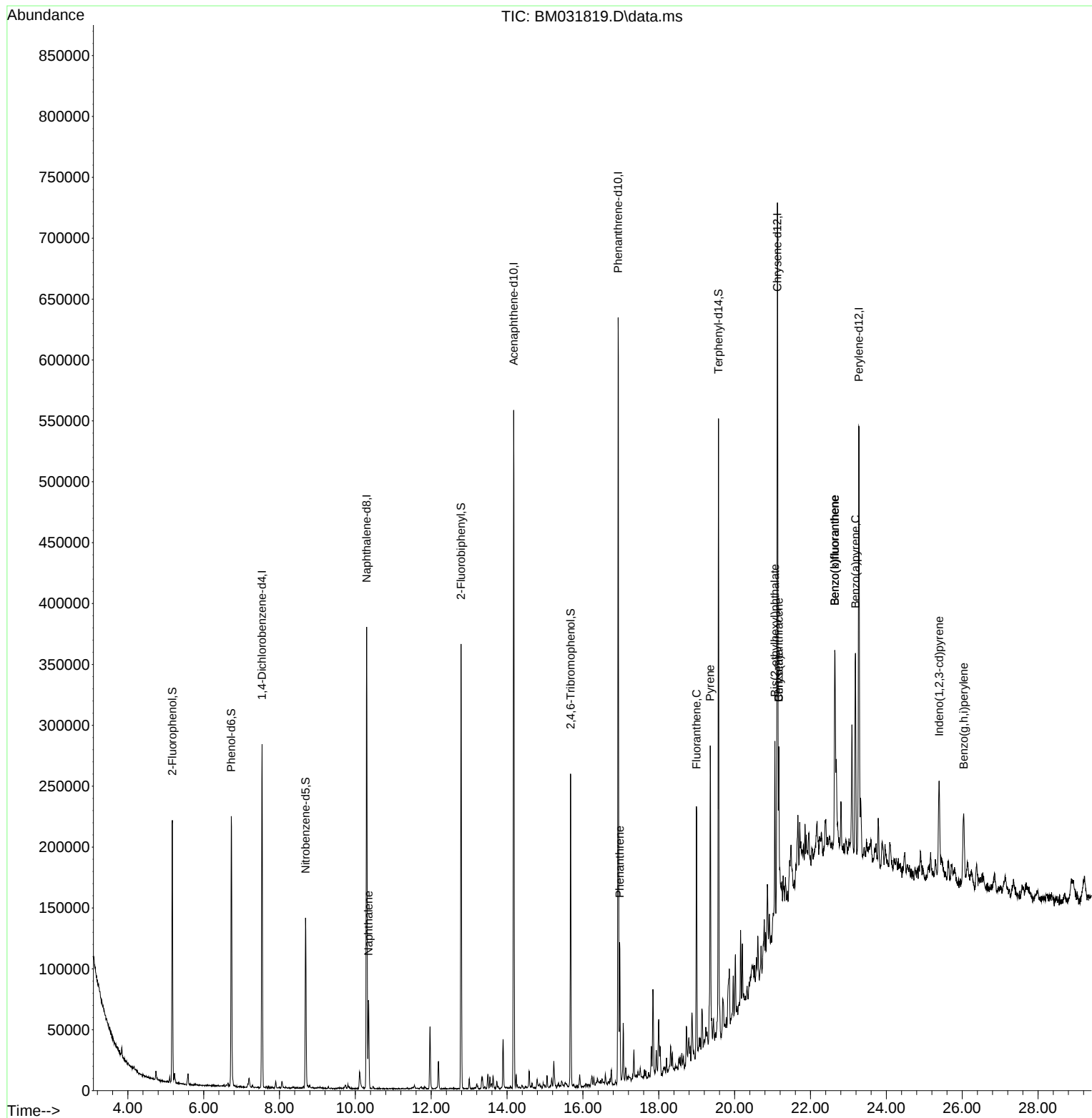
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.539	152	63483	20.000	ng	0.00
21) Naphthalene-d8	10.298	136	273670	20.000	ng	# 0.00
39) Acenaphthene-d10	14.174	164	170655	20.000	ng	0.00
64) Phenanthrene-d10	16.927	188	330772	20.000	ng	0.00
76) Chrysene-d12	21.127	240	227288	20.000	ng	0.00
86) Perylene-d12	23.274	264	218105	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.175	112	80069	20.243	ng	0.00
7) Phenol-d6	6.728	99	106283	18.544	ng	0.00
23) Nitrobenzene-d5	8.686	82	76298	11.674	ng	0.00
42) 2,4,6-Tribromophenol	15.674	330	32197	15.318	ng	0.00
45) 2-Fluorobiphenyl	12.786	172	155545	12.132	ng	0.00
79) Terphenyl-d14	19.574	244	187893	13.928	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.345	128	52322	3.339	ng	99
71) Phenanthrene	16.968	178	62531	3.100	ng	98
75) Fluoranthene	18.997	202	109440	4.529	ng	98
78) Pyrene	19.356	202	134788	8.186	ng	99
81) Benzo(a)anthracene	21.162	228	70615	4.242	ng	95
83) Chrysene	21.162	228	70615	4.351	ng	# 95
84) Bis(2-ethylhexyl)phtha...	21.062	149	42286	3.467	ng	# 94
87) Indeno(1,2,3-cd)pyrene	25.391	276	64292	4.183	ng	99
88) Benzo(b)fluoranthene	22.638	252	141404	8.635	ng	# 97
89) Benzo(k)fluoranthene	22.638	252	141404	8.946	ng	# 96
90) Benzo(a)pyrene	23.185	252	94805	6.539	ng	96
92) Benzo(g,h,i)perylene	26.038	276	62852	5.106	ng	94

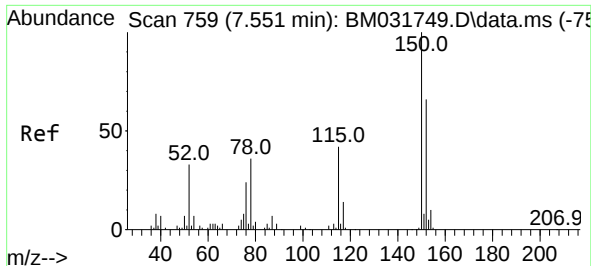
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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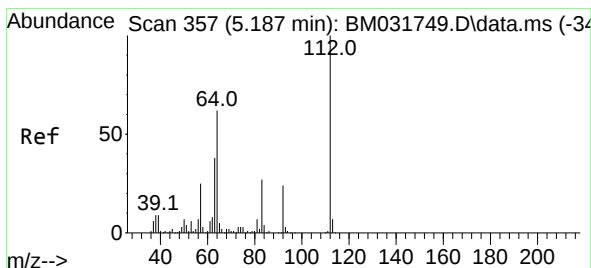
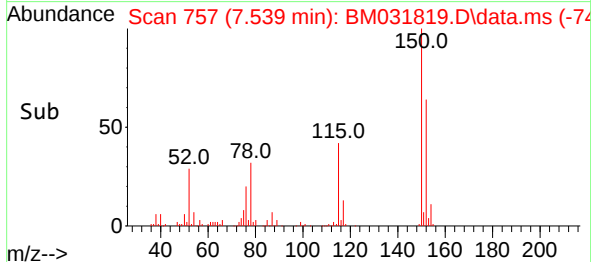
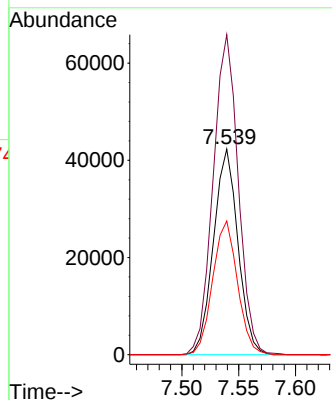
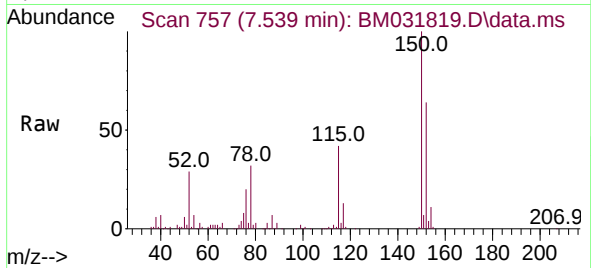




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.539 min Scan# 757
Delta R.T. -0.001 min
Lab File: BM031819.D
Acq: 18 Aug 2021 23:22

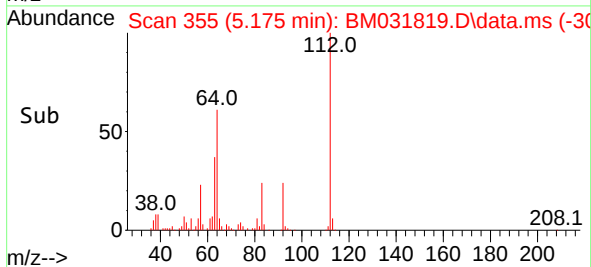
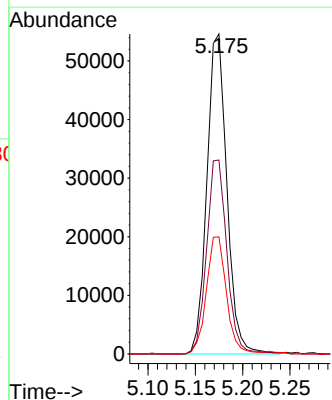
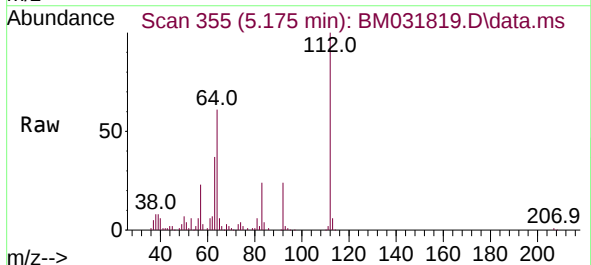
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BNA_M
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72-11966

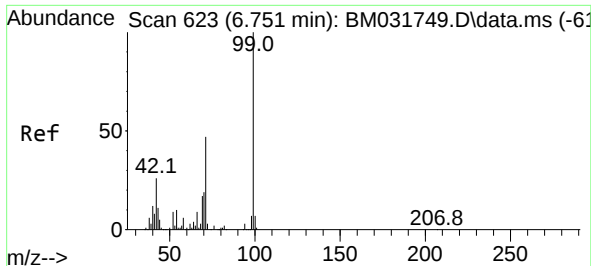
Tgt Ion:152 Resp: 63483
Ion Ratio Lower Upper
152 100
150 155.6 125.9 188.9
115 65.1 44.6 67.0



#5
2-Fluorophenol
Concen: 20.243 ng
RT: 5.175 min Scan# 355
Delta R.T. -0.000 min
Lab File: BM031819.D
Acq: 18 Aug 2021 23:22

Tgt Ion:112 Resp: 80069
Ion Ratio Lower Upper
112 100
64 60.6 47.1 70.7
63 36.6 27.3 40.9

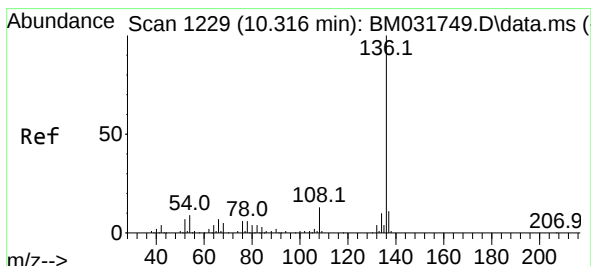
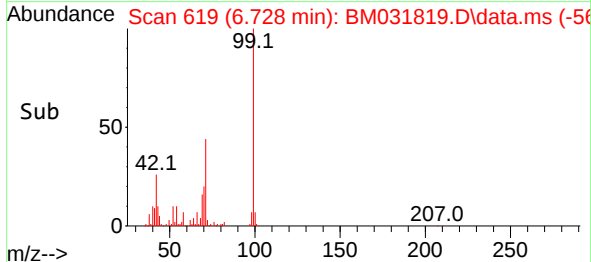
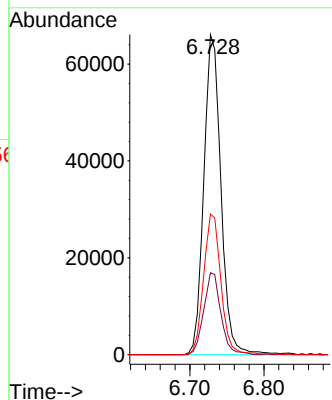
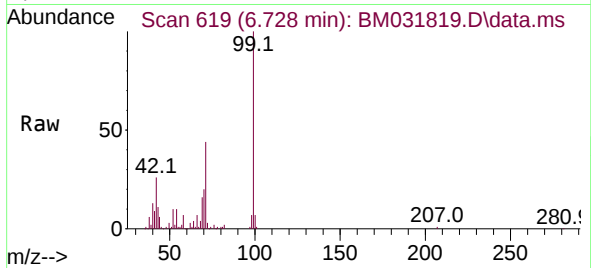




#7
Phenol-d6
Concen: 18.544 ng
RT: 6.728 min Scan# 619
Delta R.T. -0.006 min
Lab File: BM031819.D
Acq: 18 Aug 2021 23:22

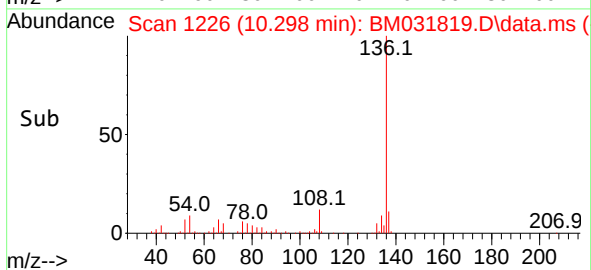
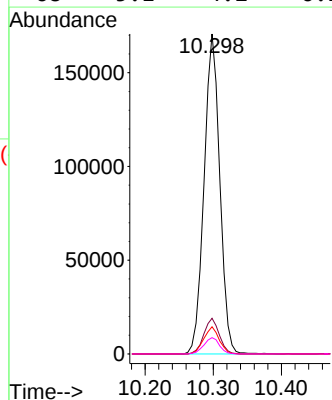
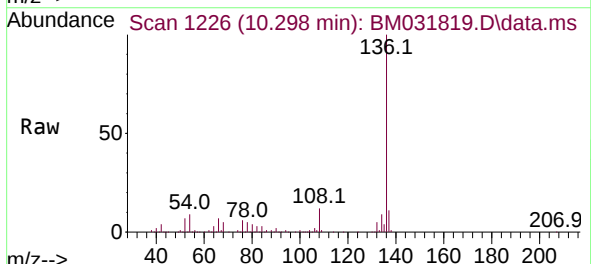
Instrument :
BNA_M
ClientSampleId :
72-11966

Tgt Ion: 99 Resp: 106283
Ion Ratio Lower Upper
99 100
42 25.6 18.0 27.0
71 44.0 30.9 46.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.298 min Scan# 1226
Delta R.T. -0.000 min
Lab File: BM031819.D
Acq: 18 Aug 2021 23:22

Tgt Ion: 136 Resp: 273670
Ion Ratio Lower Upper
136 100
137 11.1 8.4 12.6
54 8.5 5.5 8.3#
68 5.1 4.2 6.2

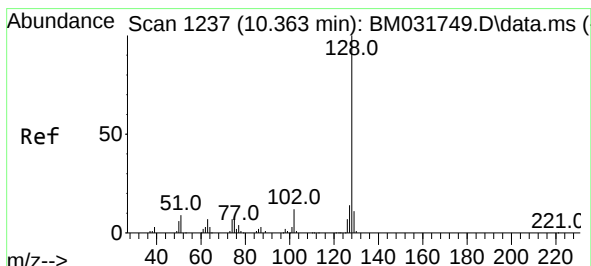
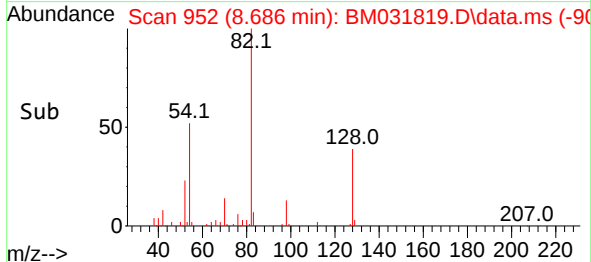
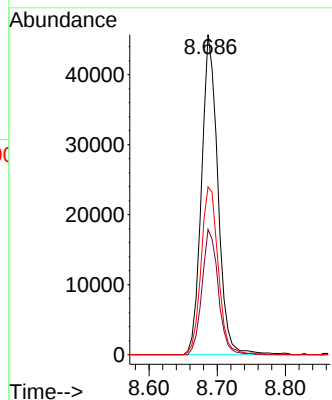
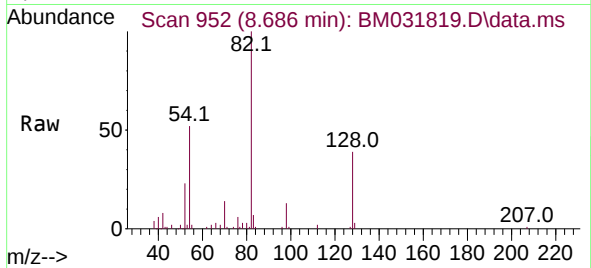




#23
Nitrobenzene-d5
Concen: 11.674 ng
RT: 8.686 min Scan# 952
Delta R.T. -0.006 min
Lab File: BM031819.D
Acq: 18 Aug 2021 23:22

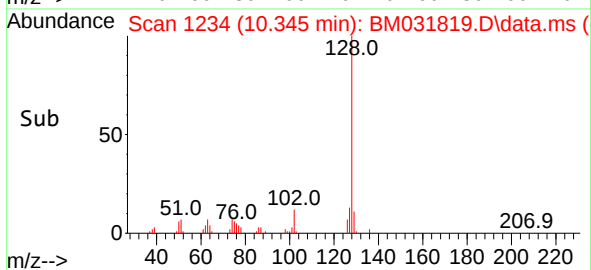
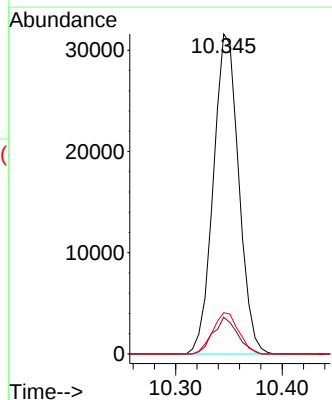
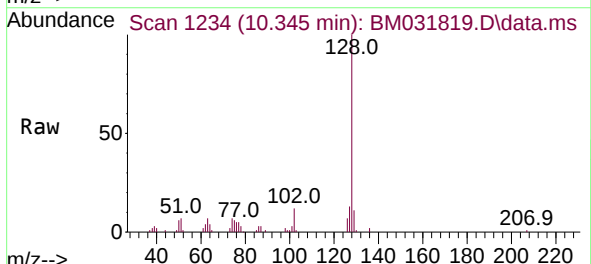
Instrument :
BNA_M
ClientSampleId :
72-11966

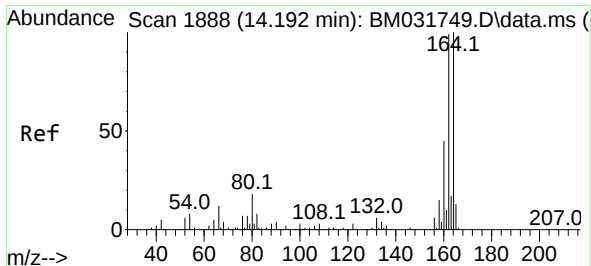
Tgt Ion: 82 Resp: 76298
Ion Ratio Lower Upper
82 100
128 39.1 31.1 46.7
54 52.5 37.3 55.9



#31
Naphthalene
Concen: 3.339 ng
RT: 10.345 min Scan# 1234
Delta R.T. -0.006 min
Lab File: BM031819.D
Acq: 18 Aug 2021 23:22

Tgt Ion: 128 Resp: 52322
Ion Ratio Lower Upper
128 100
129 11.4 9.0 13.6
127 12.9 10.8 16.2

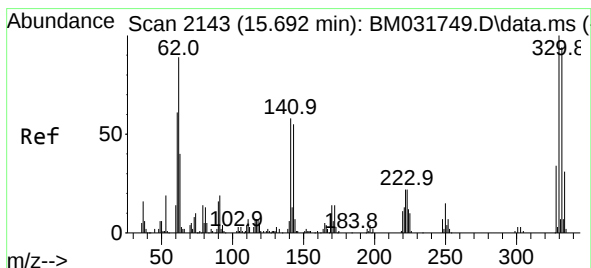
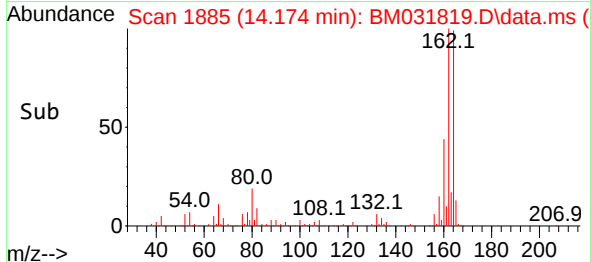
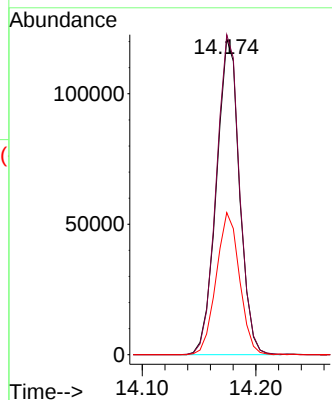
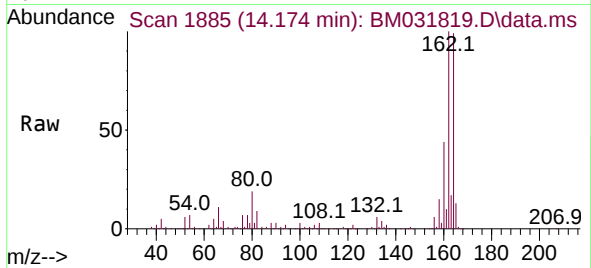




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.174 min Scan# 1885
Delta R.T. -0.006 min
Lab File: BM031819.D
Acq: 18 Aug 2021 23:22

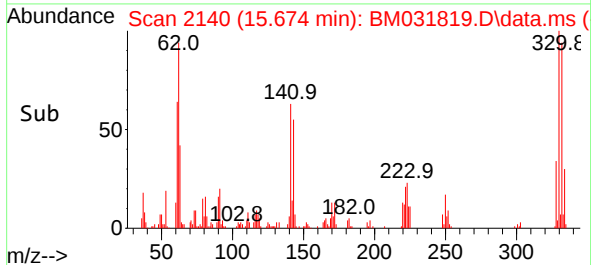
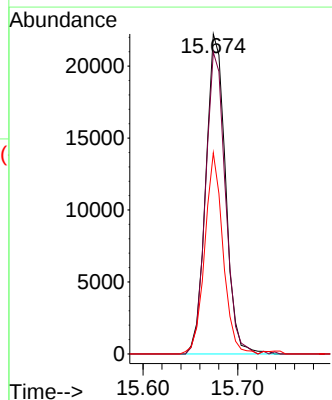
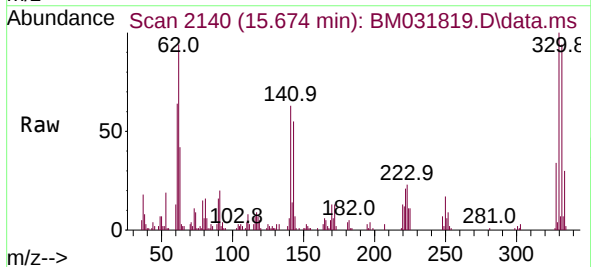
Instrument :
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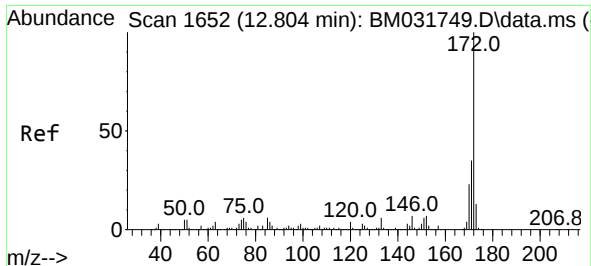
Tgt Ion:164 Resp: 170655
Ion Ratio Lower Upper
164 100
162 101.3 83.4 125.0
160 45.0 37.2 55.8



#42
2,4,6-Tribromophenol
Concen: 15.318 ng
RT: 15.674 min Scan# 2140
Delta R.T. -0.006 min
Lab File: BM031819.D
Acq: 18 Aug 2021 23:22

Tgt Ion:330 Resp: 32197
Ion Ratio Lower Upper
330 100
332 94.4 77.0 115.4
141 58.1 30.2 45.2#

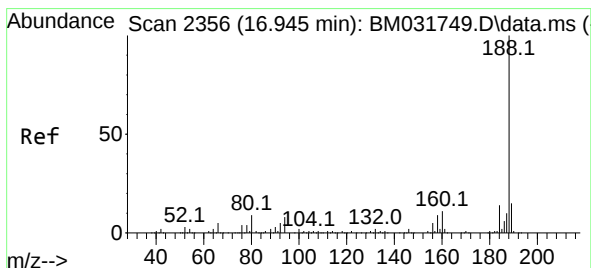
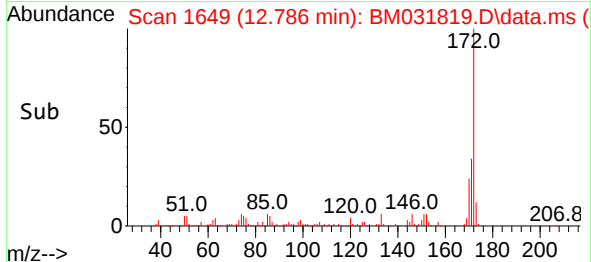
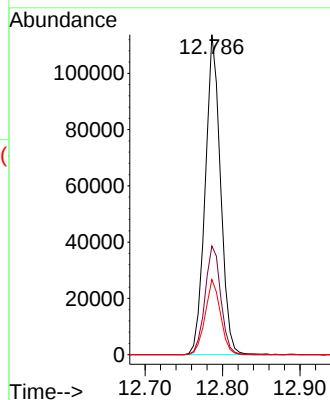
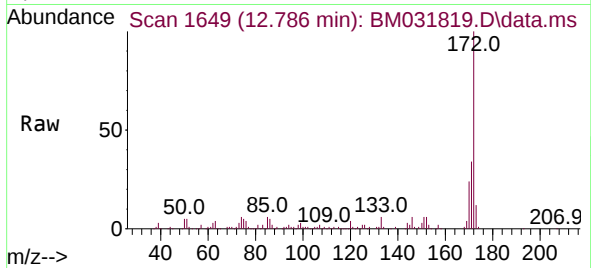




#45
2-Fluorobiphenyl
Concen: 12.132 ng
RT: 12.786 min Scan# 1649
Delta R.T. -0.006 min
Lab File: BM031819.D
Acq: 18 Aug 2021 23:22

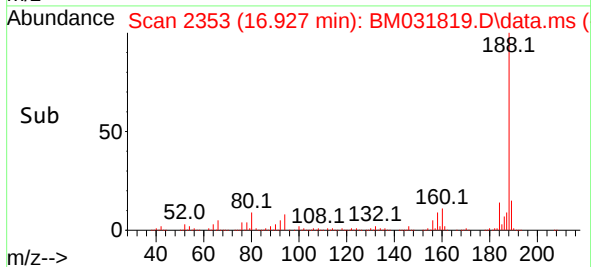
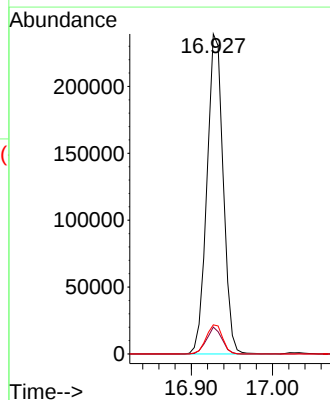
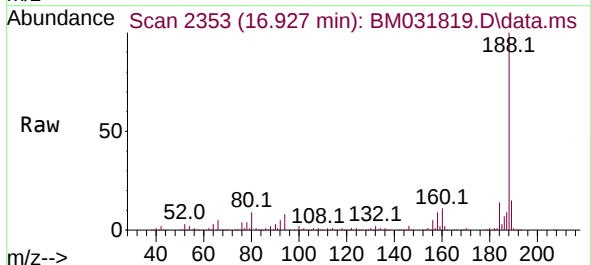
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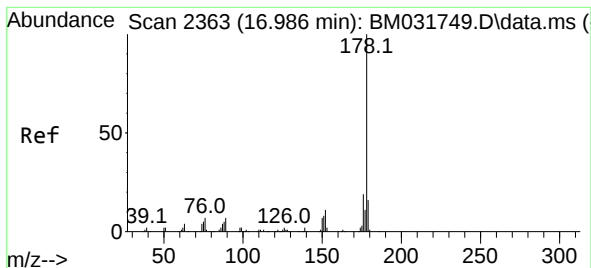
Tgt Ion:172	Resp:	155545
Ion Ratio	Lower	Upper
172	100	
171	34.0	28.6 43.0
170	23.5	18.4 27.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.927 min Scan# 2353
Delta R.T. -0.006 min
Lab File: BM031819.D
Acq: 18 Aug 2021 23:22

Tgt Ion:188	Resp:	330772
Ion Ratio	Lower	Upper
188	100	
94	8.4	6.0 9.0
80	9.1	6.6 9.8

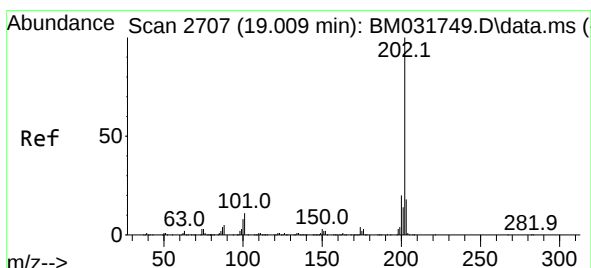
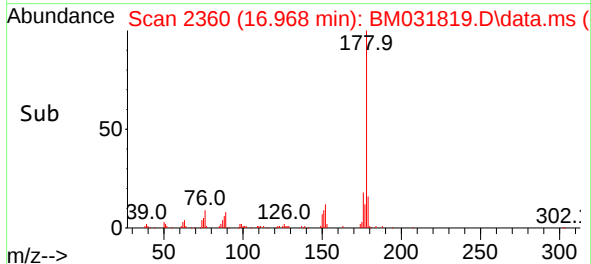
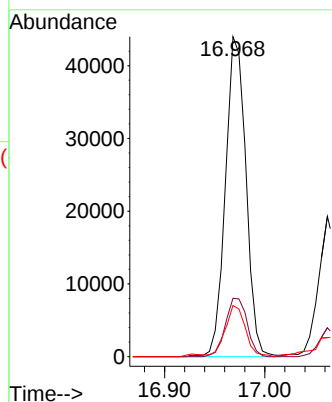
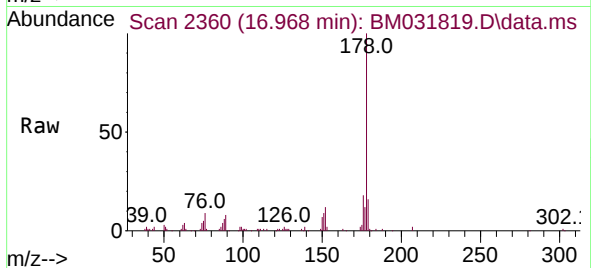




#71
Phenanthrene
Concen: 3.100 ng
RT: 16.968 min Scan# 2360
Delta R.T. -0.006 min
Lab File: BM031819.D
Acq: 18 Aug 2021 23:22

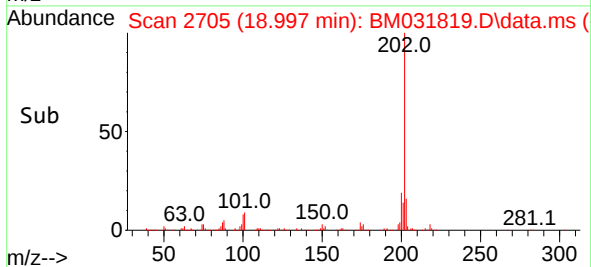
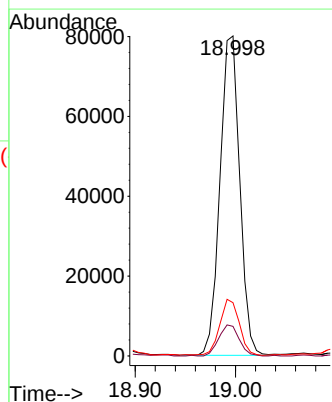
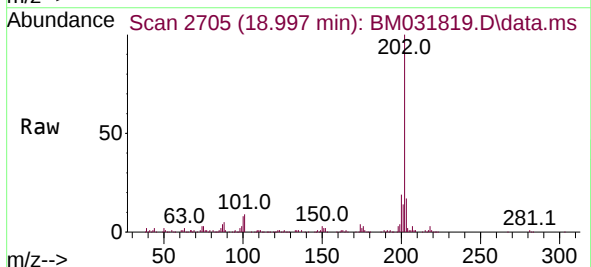
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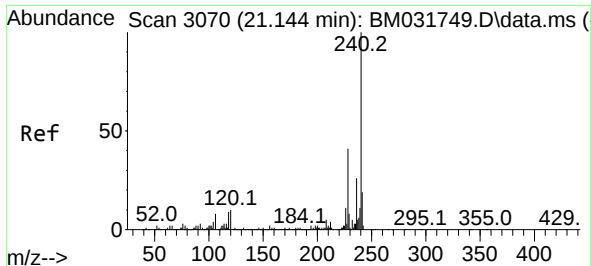
Tgt Ion:178 Resp: 62531
Ion Ratio Lower Upper
178 100
176 18.3 15.4 23.0
179 16.0 12.2 18.4



#75
Fluoranthene
Concen: 4.529 ng
RT: 18.997 min Scan# 2705
Delta R.T. -0.000 min
Lab File: BM031819.D
Acq: 18 Aug 2021 23:22

Tgt Ion:202 Resp: 109440
Ion Ratio Lower Upper
202 100
101 9.3 0.0 28.6
203 16.7 0.0 37.3

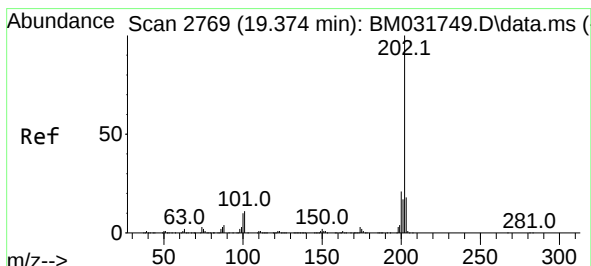
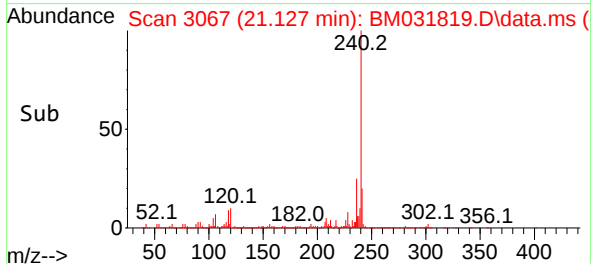
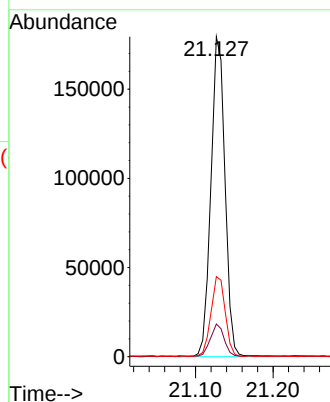
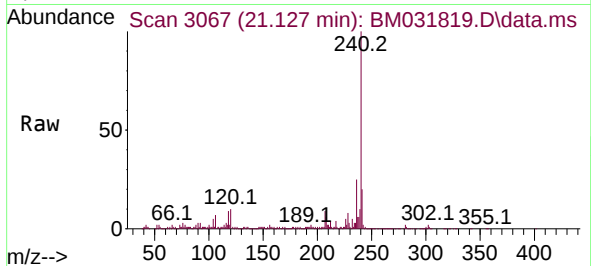




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.127 min Scan# 3067
Delta R.T. -0.006 min
Lab File: BM031819.D
Acq: 18 Aug 2021 23:22

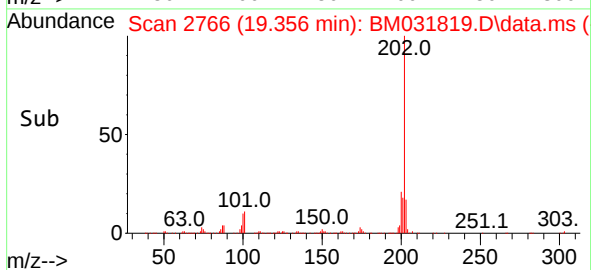
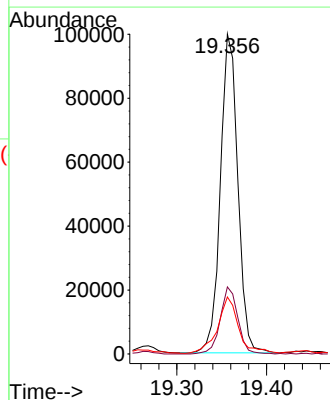
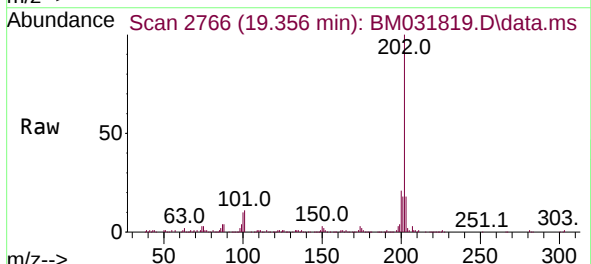
Instrument :
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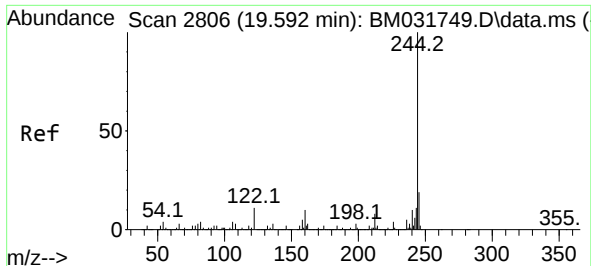
Tgt Ion:240 Resp: 227288
Ion Ratio Lower Upper
240 100
120 10.2 7.0 10.6
236 25.0 21.0 31.4



#78
Pyrene
Concen: 8.186 ng
RT: 19.356 min Scan# 2766
Delta R.T. -0.006 min
Lab File: BM031819.D
Acq: 18 Aug 2021 23:22

Tgt Ion:202 Resp: 134788
Ion Ratio Lower Upper
202 100
200 21.0 17.3 25.9
203 17.8 13.9 20.9

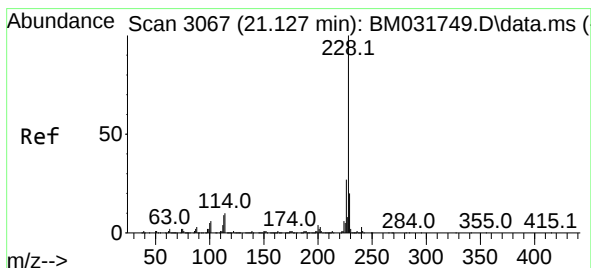
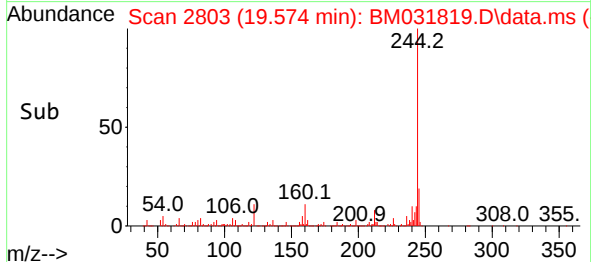
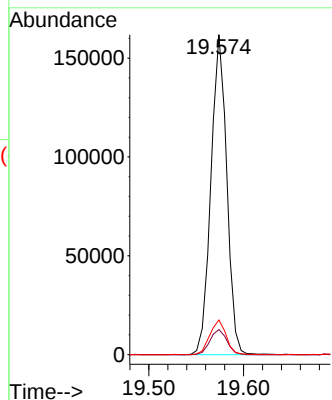
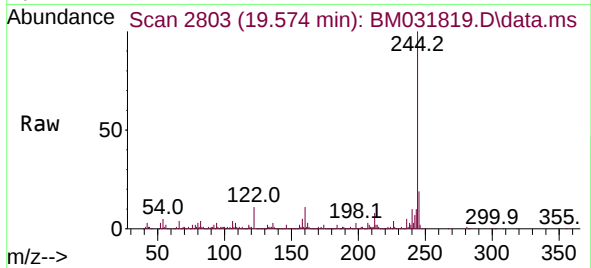




#79
 Terphenyl-d14
 Concen: 13.928 ng
 RT: 19.574 min Scan# 2803
 Delta R.T. -0.006 min
 Lab File: BM031819.D
 Acq: 18 Aug 2021 23:22

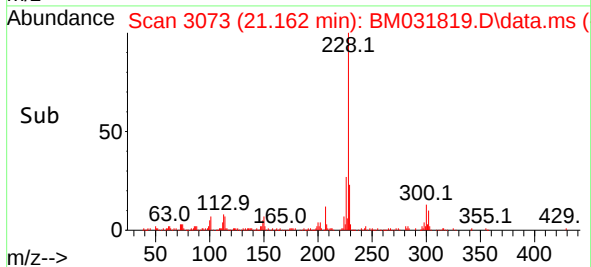
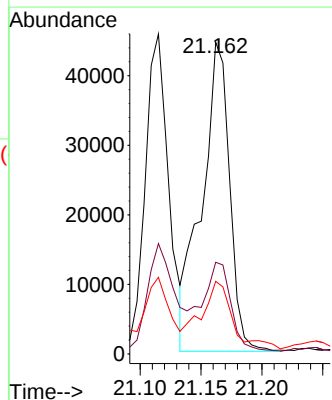
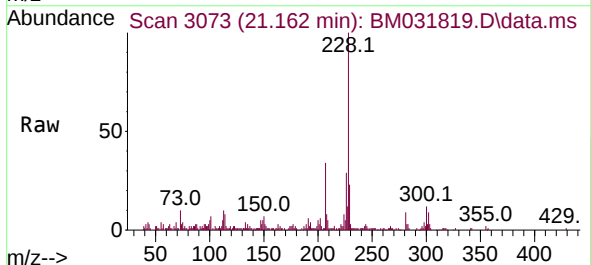
Instrument :
 BNA_M
 ClientSampleId :
 72-11966

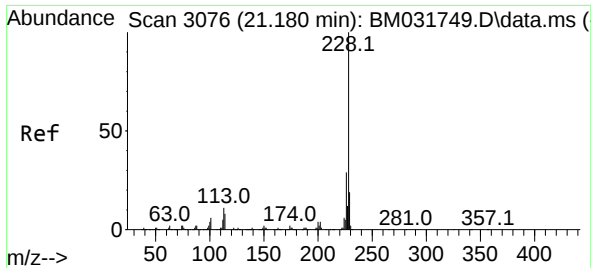
Tgt Ion:244 Resp: 187893
 Ion Ratio Lower Upper
 244 100
 212 7.9 6.3 9.5
 122 10.8 6.9 10.3#



#81
 Benzo(a)anthracene
 Concen: 4.242 ng
 RT: 21.162 min Scan# 3073
 Delta R.T. 0.041 min
 Lab File: BM031819.D
 Acq: 18 Aug 2021 23:22

Tgt Ion:228 Resp: 70615
 Ion Ratio Lower Upper
 228 100
 226 29.4 22.3 33.5
 229 23.3 15.7 23.5

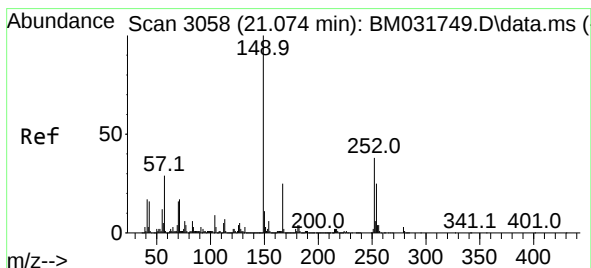
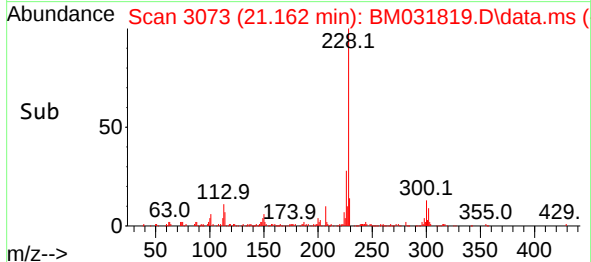
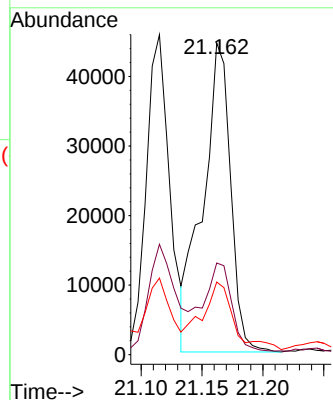
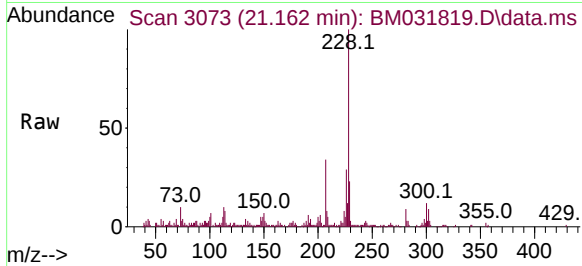




#83
Chrysene
Concen: 4.351 ng
RT: 21.162 min Scan# 3073
Delta R.T. -0.012 min
Lab File: BM031819.D
Acq: 18 Aug 2021 23:22

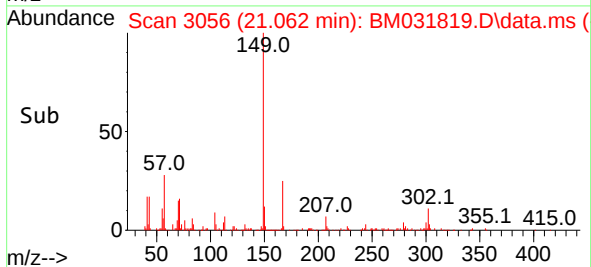
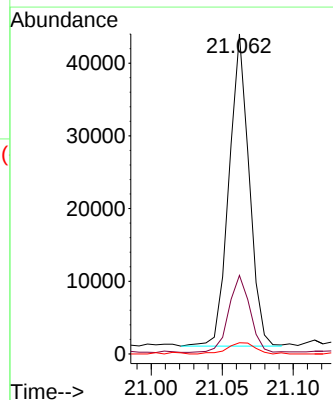
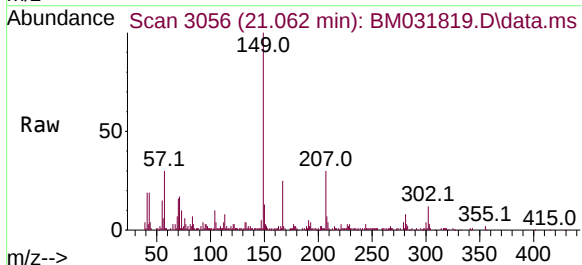
Instrument :
BNA_M
ClientSampleId :
72-11966

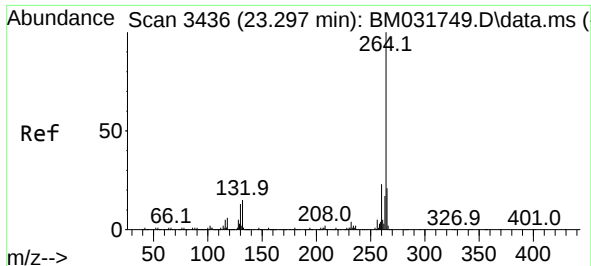
Tgt Ion:	228	Resp:	70615
Ion Ratio	Lower	Upper	
228	100		
226	29.4	24.6	36.8
229	23.3	15.5	23.3#



#84
Bis(2-ethylhexyl)phthalate
Concen: 3.467 ng
RT: 21.062 min Scan# 3056
Delta R.T. -0.006 min
Lab File: BM031819.D
Acq: 18 Aug 2021 23:22

Tgt Ion:	149	Resp:	42286
Ion Ratio	Lower	Upper	
149	100		
167	24.6	22.6	33.8
279	3.5	3.8	5.8#

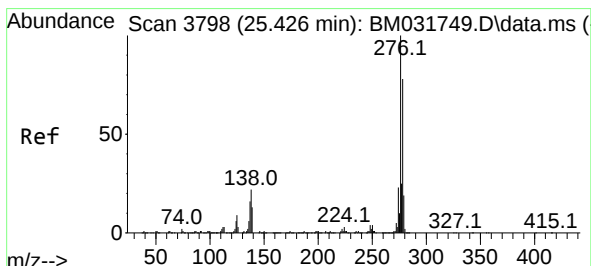
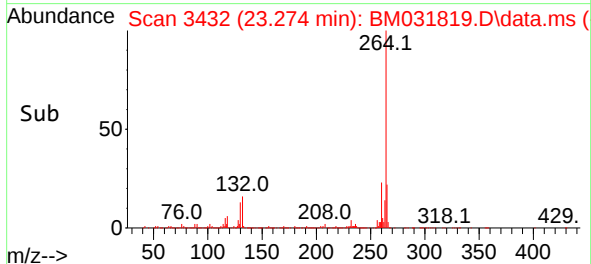
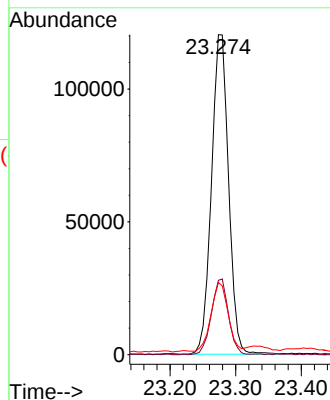
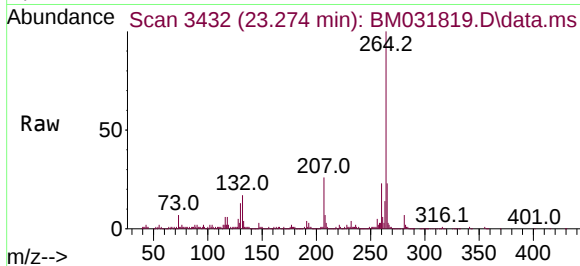




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.274 min Scan# 3432
 Delta R.T. -0.006 min
 Lab File: BM031819.D
 Acq: 18 Aug 2021 23:22

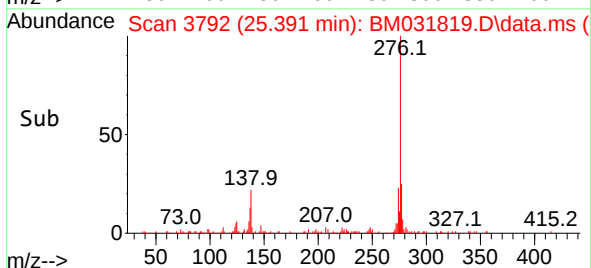
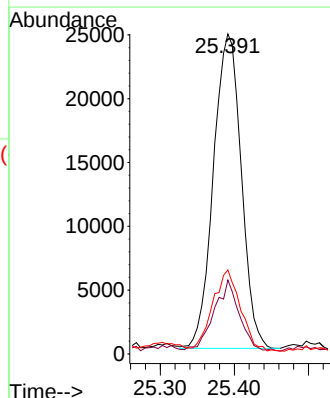
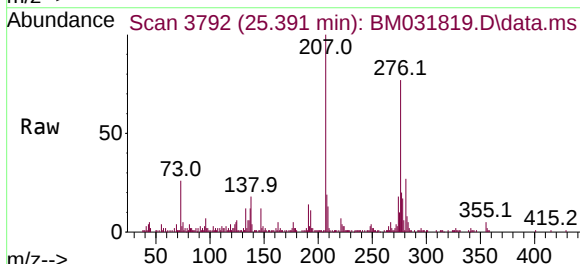
Instrument :
 BNA_M
 ClientSampleId :
 72-11966

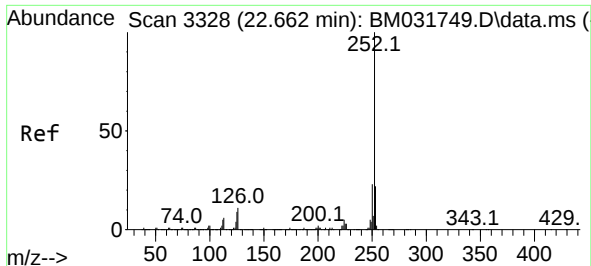
Tgt Ion:	264	Resp:	218105
Ion Ratio	Lower	Upper	
264	100		
260	23.3	19.8	29.8
265	22.5	17.7	26.5



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.183 ng
 RT: 25.391 min Scan# 3792
 Delta R.T. -0.018 min
 Lab File: BM031819.D
 Acq: 18 Aug 2021 23:22

Tgt Ion:	276	Resp:	64292
Ion Ratio	Lower	Upper	
276	100		
138	20.9	17.1	25.7
277	26.0	20.3	30.5

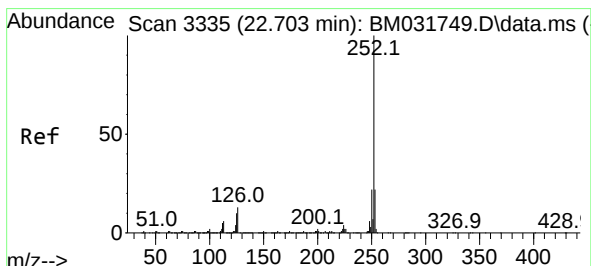
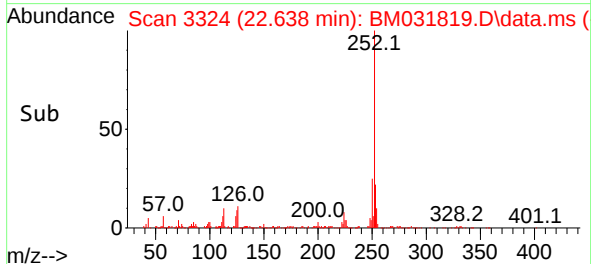
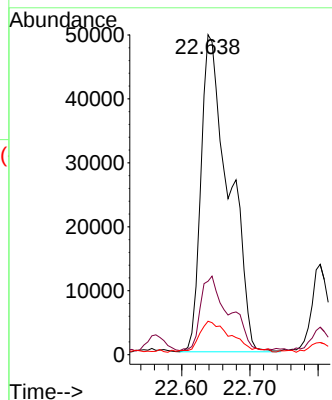
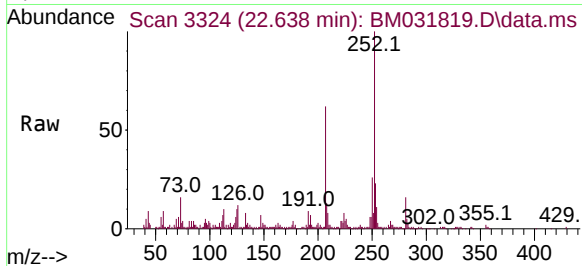




#88
Benzo(b)fluoranthene
Concen: 8.635 ng
RT: 22.638 min Scan# 3324
Delta R.T. -0.006 min
Lab File: BM031819.D
Acq: 18 Aug 2021 23:22

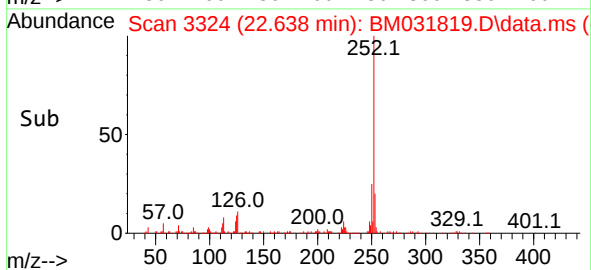
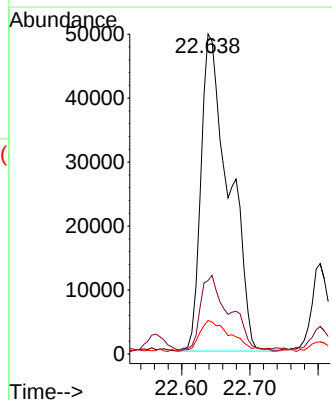
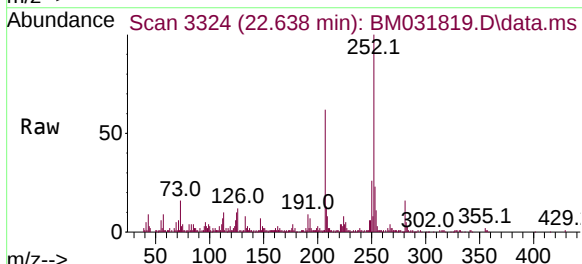
Instrument :
BNA_M
ClientSampleId :
72-11966

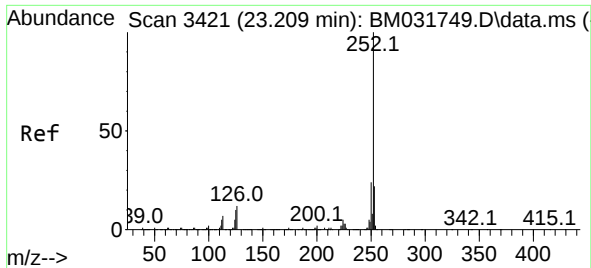
Tgt Ion:252 Resp: 141404
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.0
125 10.4 6.8 10.2#



#89
Benzo(k)fluoranthene
Concen: 8.946 ng
RT: 22.638 min Scan# 3324
Delta R.T. -0.053 min
Lab File: BM031819.D
Acq: 18 Aug 2021 23:22

Tgt Ion:252 Resp: 141404
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.2
125 10.4 6.2 9.2#

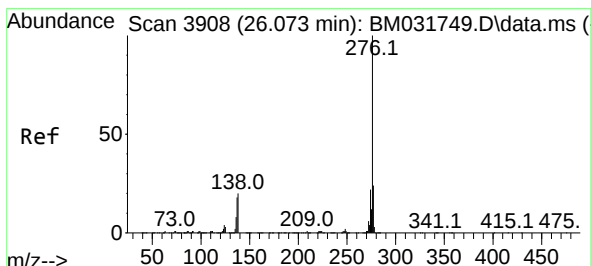
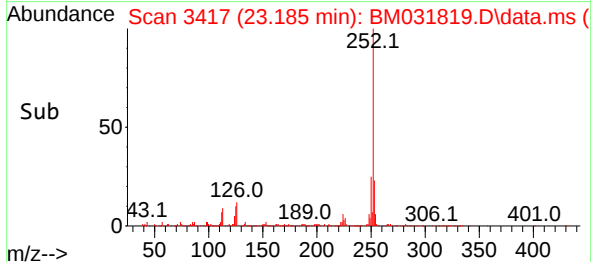
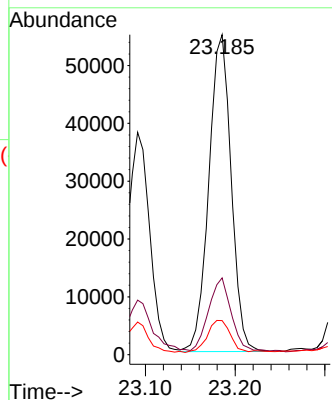
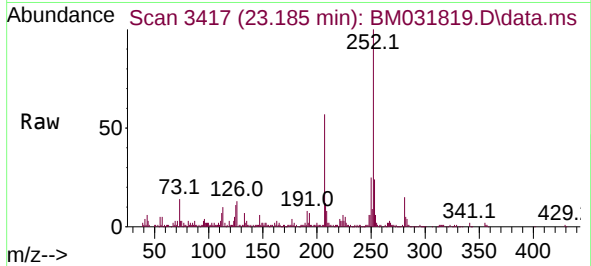




#90
Benzo(a)pyrene
Concen: 6.539 ng
RT: 23.185 min Scan# 3417
Delta R.T. -0.006 min
Lab File: BM031819.D
Acq: 18 Aug 2021 23:22

Instrument :
BNA_M
ClientSampleId :
72-11966

Tgt Ion:252 Resp: 94805
Ion Ratio Lower Upper
252 100
253 24.0 17.7 26.5
125 10.6 7.3 10.9



#92
Benzo(g,h,i)perylene
Concen: 5.106 ng
RT: 26.038 min Scan# 3902
Delta R.T. -0.012 min
Lab File: BM031819.D
Acq: 18 Aug 2021 23:22

Tgt Ion:276 Resp: 62852
Ion Ratio Lower Upper
276 100
277 21.7 19.4 29.2
138 21.4 14.4 21.6

