

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM100921\
 Data File : BM032412.D
 Acq On : 09 Oct 2021 02:36
 Operator : CG/JU
 Sample : M4129-01 10X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 OK-02-100721

Quant Time: Oct 09 03:31:41 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 08 17:11:04 2021
 Response via : Initial Calibration

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

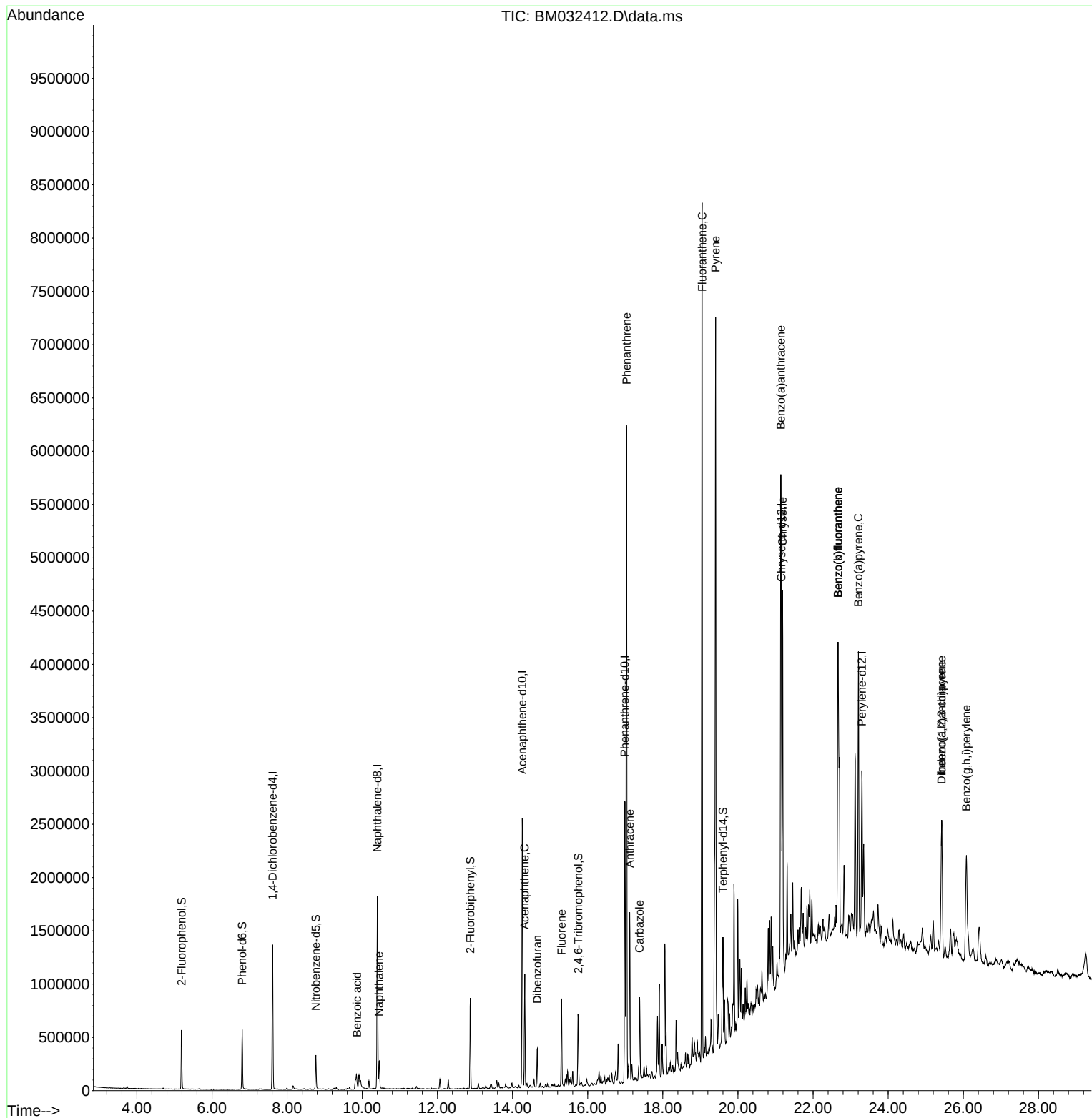
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.613	152	351974	20.000	ng	0.00
21) Naphthalene-d8	10.401	136	1443135	20.000	ng	# 0.00
39) Acenaphthene-d10	14.260	164	848838	20.000	ng	0.00
64) Phenanthrene-d10	16.989	188	1497227	20.000	ng	# 0.00
76) Chrysene-d12	21.153	240	990182	20.000	ng	# 0.00
86) Perylene-d12	23.300	264	1054212	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.190	112	237247	11.357	ng	0.00
7) Phenol-d6	6.801	99	312654	10.945	ng	-0.01
23) Nitrobenzene-d5	8.766	82	176955	6.820	ng	0.00
42) 2,4,6-Tribromophenol	15.748	330	86367	9.089	ng	0.00
45) 2-Fluorobiphenyl	12.877	172	418311	7.327	ng	0.00
79) Terphenyl-d14	19.600	244	420406	8.942	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.448	128	199764	2.698	ng	99
32) Benzoic acid	9.860	122	579	4.856	ng	# 1
52) Acenaphthene	14.324	154	349210	7.098	ng	98
55) Dibenzofuran	14.660	168	210987	2.817	ng	92
58) Fluorene	15.307	166	355337	6.238	ng	100
71) Phenanthrene	17.036	178	3651555	46.467	ng	99
72) Anthracene	17.118	178	910307	11.855	ng	100
73) Carbazole	17.383	167	459618	6.028	ng	98
75) Fluoranthene	19.047	202	4882748	56.032	ng	97
78) Pyrene	19.406	202	4176128	62.196	ng	98
81) Benzo(a)anthracene	21.141	228	2003393	32.369	ng	97
83) Chrysene	21.189	228	1892335	31.605	ng	97
87) Indeno(1,2,3-cd)pyrene	25.424	276	1096170	16.874	ng	99
88) Benzo(b)fluoranthene	22.665	252	3150091	49.121	ng	# 96
89) Benzo(k)fluoranthene	22.665	252	3150091	50.283	ng	# 95
90) Benzo(a)pyrene	23.206	252	1753875	33.725	ng	96
91) Dibenzo(a,h)anthracene	25.418	278	283687	5.180	ng	# 82
92) Benzo(g,h,i)perylene	26.082	276	1065781	19.684	ng	# 94

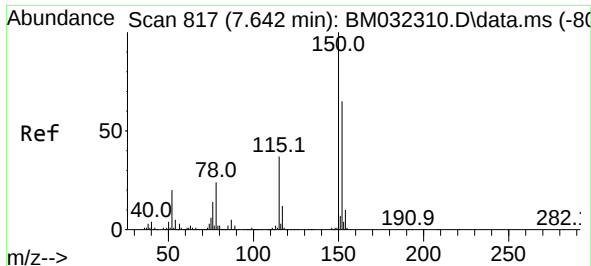
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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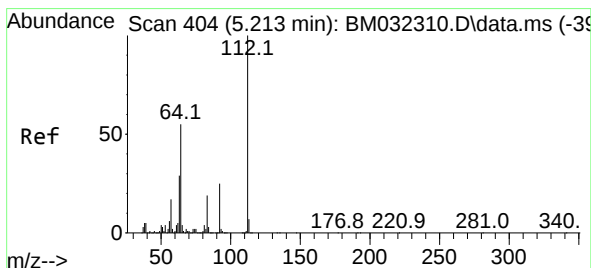
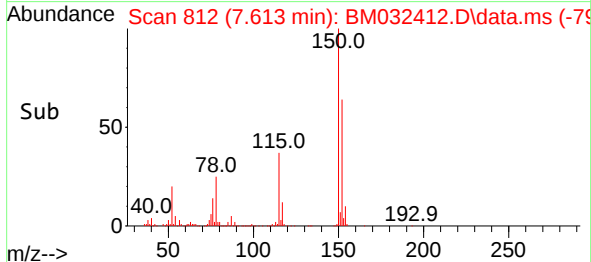
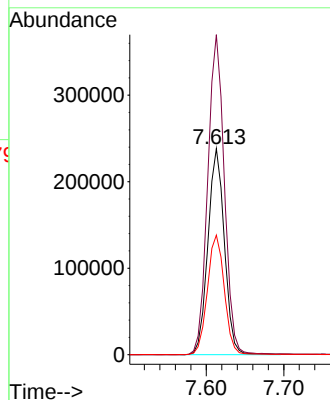
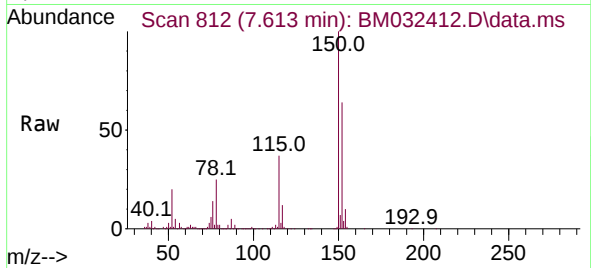




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.613 min Scan# 812
Delta R.T. -0.006 min
Lab File: BM032412.D
Acq: 09 Oct 2021 02:36

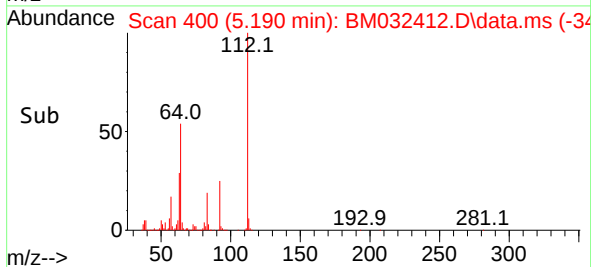
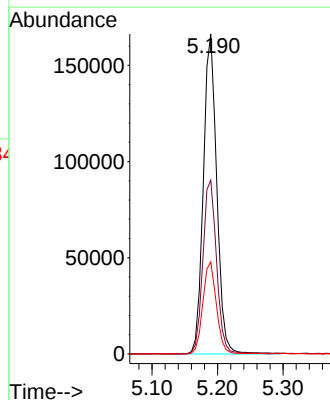
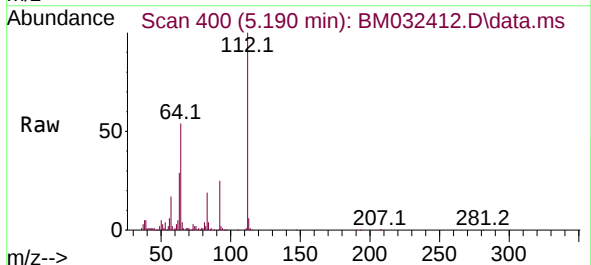
Instrument :
BNA_M
ClientSampleId :
OK-02-100721

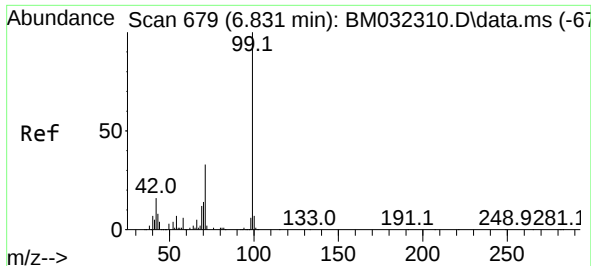
Tgt Ion:152 Resp: 351974
Ion Ratio Lower Upper
152 100
150 155.3 122.4 183.6
115 58.0 53.8 80.8



#5
2-Fluorophenol
Concen: 11.357 ng
RT: 5.190 min Scan# 400
Delta R.T. -0.000 min
Lab File: BM032412.D
Acq: 09 Oct 2021 02:36

Tgt Ion:112 Resp: 237247
Ion Ratio Lower Upper
112 100
64 54.3 53.7 80.5
63 28.8 33.9 50.9#

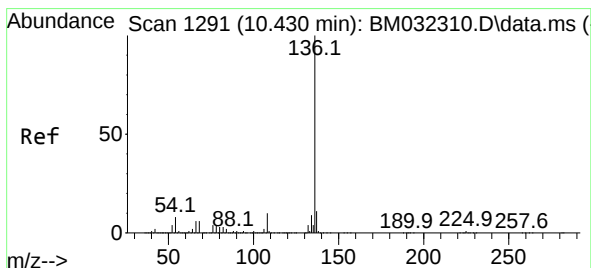
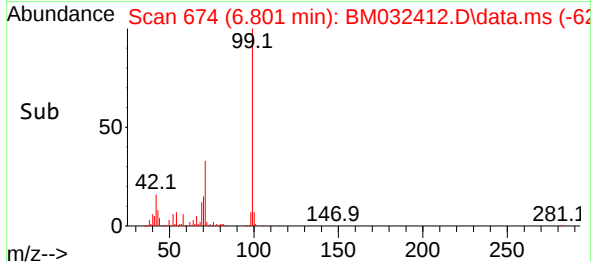
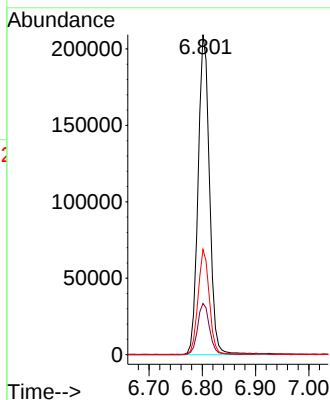
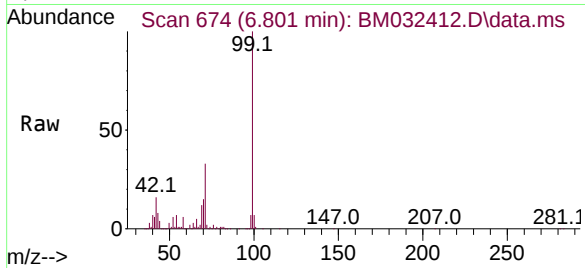




#7
Phenol-d6
Concen: 10.945 ng
RT: 6.801 min Scan# 674
Delta R.T. -0.012 min
Lab File: BM032412.D
Acq: 09 Oct 2021 02:36

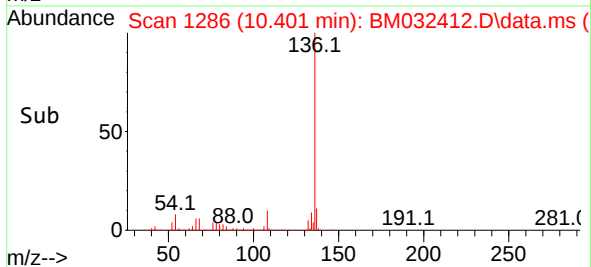
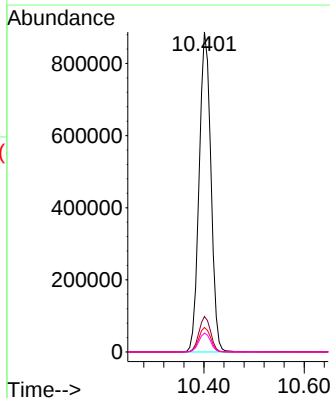
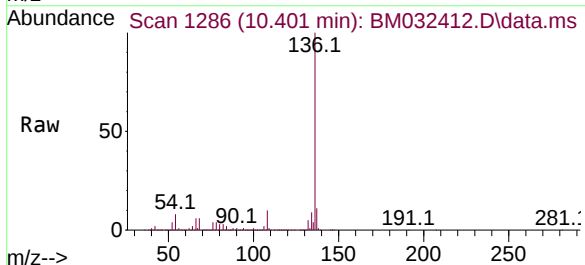
Instrument :
BNA_M
ClientSampleId :
OK-02-100721

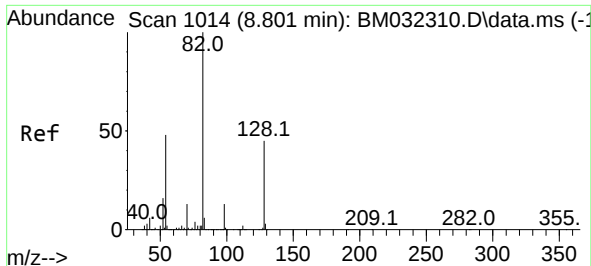
Tgt Ion: 99 Resp: 312654
Ion Ratio Lower Upper
99 100
42 16.0 23.0 34.6#
71 32.9 37.8 56.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.401 min Scan# 1286
Delta R.T. -0.006 min
Lab File: BM032412.D
Acq: 09 Oct 2021 02:36

Tgt Ion: 136 Resp: 1443135
Ion Ratio Lower Upper
136 100
137 11.1 8.7 13.1
54 7.6 7.4 11.0
68 5.9 3.8 5.8#

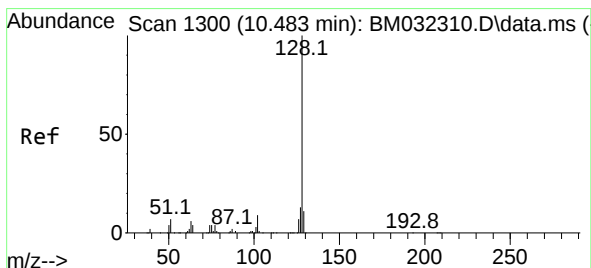
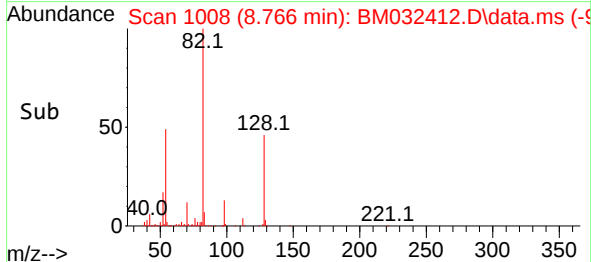
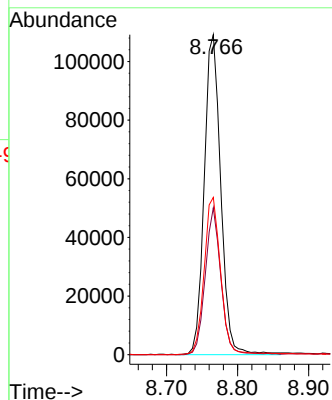
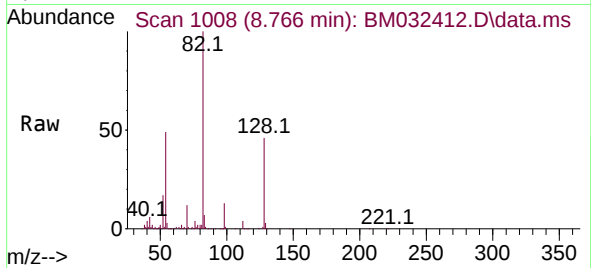




#23
Nitrobenzene-d5
Concen: 6.820 ng
RT: 8.766 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BM032412.D
Acq: 09 Oct 2021 02:36

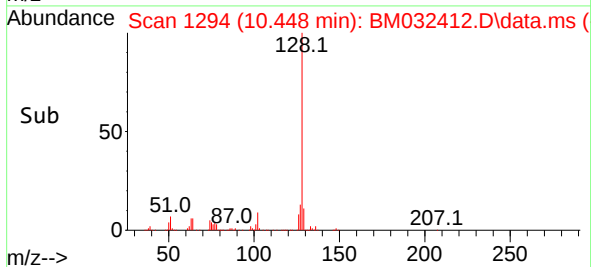
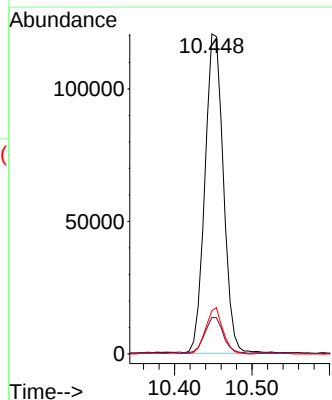
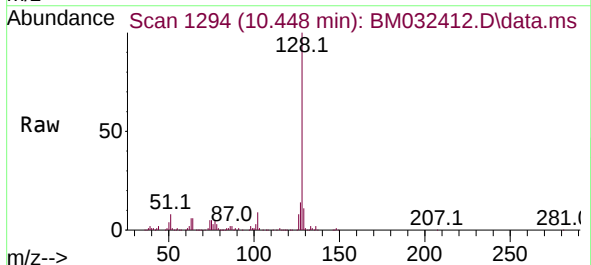
Instrument :
BNA_M
ClientSampleId :
OK-02-100721

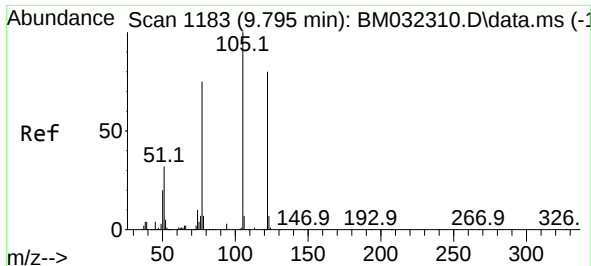
Tgt Ion: 82 Resp: 176955
Ion Ratio Lower Upper
82 100
128 45.9 29.0 43.6#
54 49.1 45.8 68.8



#31
Naphthalene
Concen: 2.698 ng
RT: 10.448 min Scan# 1294
Delta R.T. -0.012 min
Lab File: BM032412.D
Acq: 09 Oct 2021 02:36

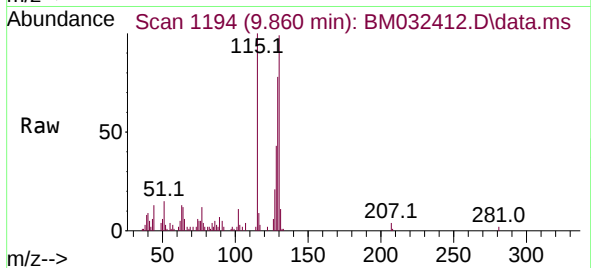
Tgt Ion: 128 Resp: 199764
Ion Ratio Lower Upper
128 100
129 11.4 8.6 13.0
127 13.5 10.4 15.6



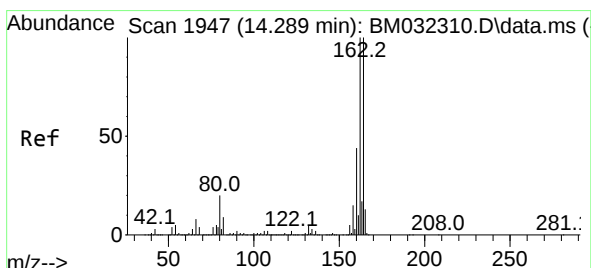
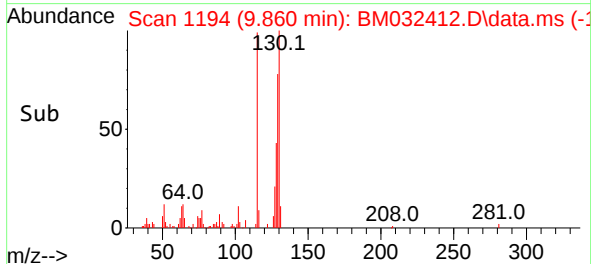
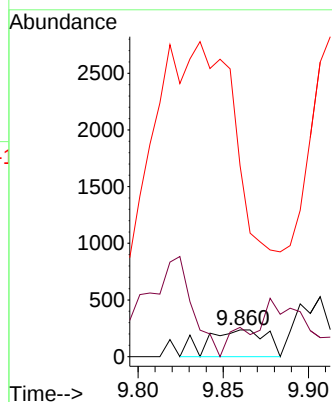


#32
Benzoic acid
Concen: 4.856 ng
RT: 9.860 min Scan# 1194
Delta R.T. 0.088 min
Lab File: BM032412.D
Acq: 09 Oct 2021 02:36

Instrument :
BNA_M
ClientSampleId :
OK-02-100721

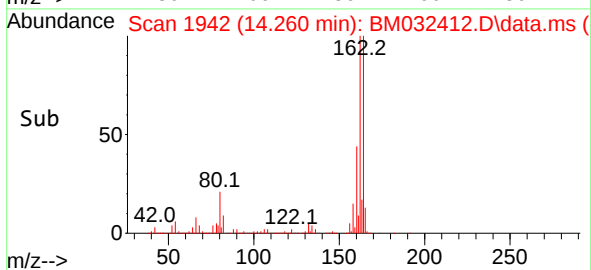
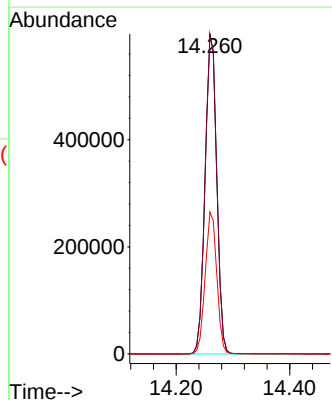
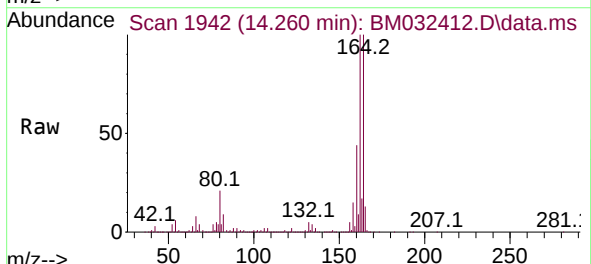


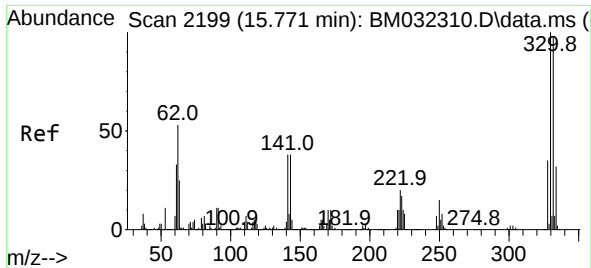
Tgt Ion:122 Resp: 579
Ion Ratio Lower Upper
122 100
105 109.8 120.3 160.3#
77 717.4 100.0 140.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.260 min Scan# 1942
Delta R.T. -0.006 min
Lab File: BM032412.D
Acq: 09 Oct 2021 02:36

Tgt Ion:164 Resp: 848838
Ion Ratio Lower Upper
164 100
162 100.4 80.6 121.0
160 44.5 35.1 52.7

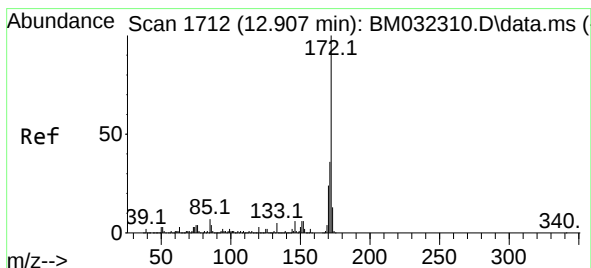
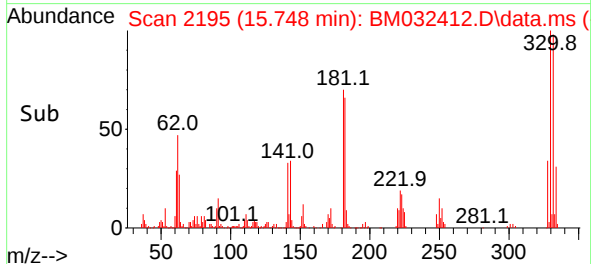
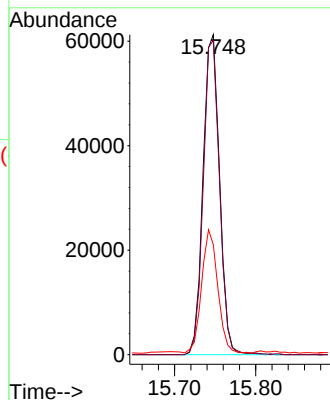
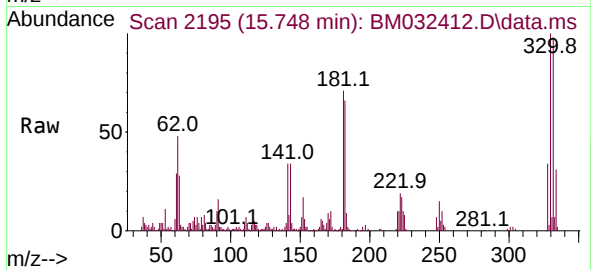




#42
2,4,6-Tribromophenol
Concen: 9.089 ng
RT: 15.748 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BM032412.D
Acq: 09 Oct 2021 02:36

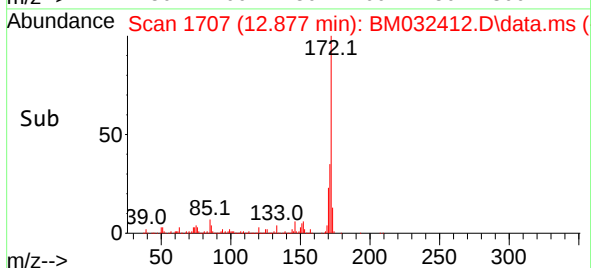
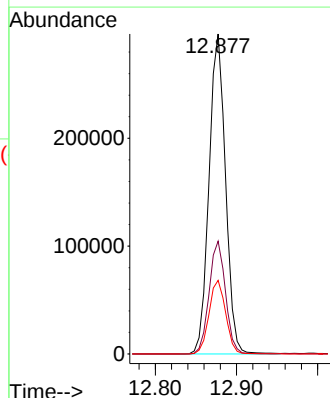
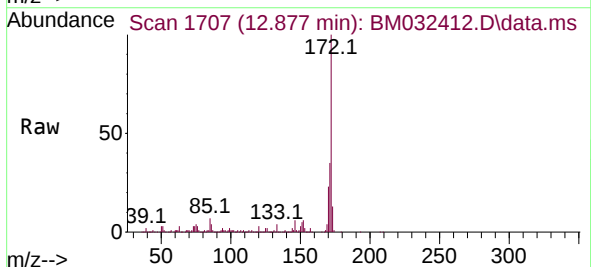
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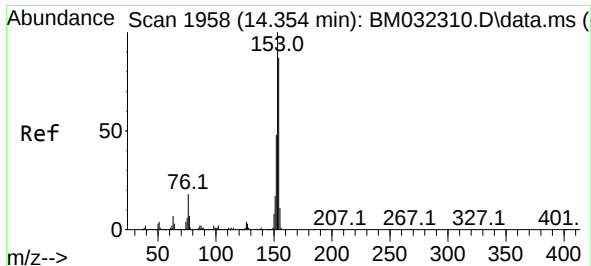
Tgt Ion:330 Resp: 86367
Ion Ratio Lower Upper
330 100
332 96.6 75.7 113.5
141 37.9 50.7 76.1#



#45
2-Fluorobiphenyl
Concen: 7.327 ng
RT: 12.877 min Scan# 1707
Delta R.T. -0.006 min
Lab File: BM032412.D
Acq: 09 Oct 2021 02:36

Tgt Ion:172 Resp: 418311
Ion Ratio Lower Upper
172 100
171 35.3 28.1 42.1
170 23.0 18.6 27.8

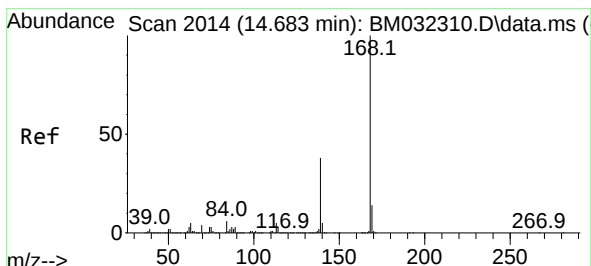
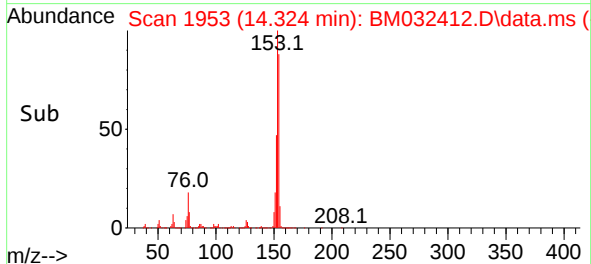
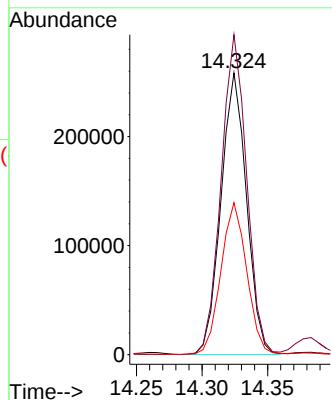
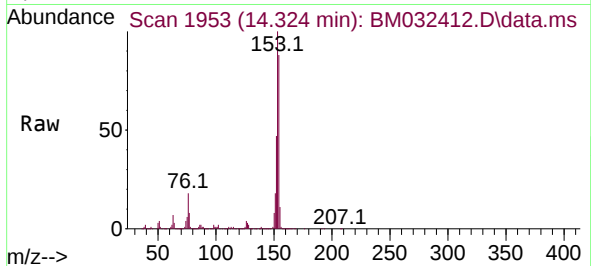




#52
Acenaphthene
Concen: 7.098 ng
RT: 14.324 min Scan# 1953
Delta R.T. -0.006 min
Lab File: BM032412.D
Acq: 09 Oct 2021 02:36

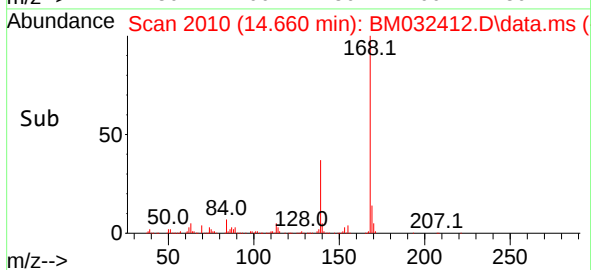
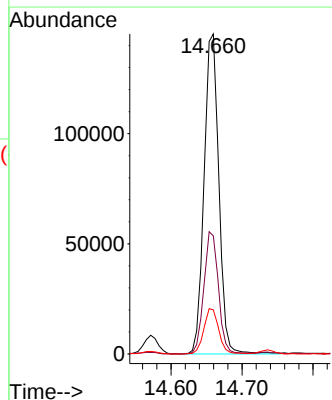
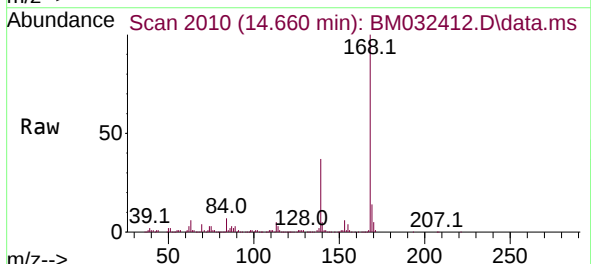
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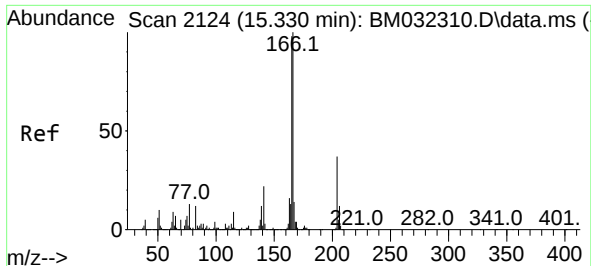
Tgt Ion:154 Resp: 349210
Ion Ratio Lower Upper
154 100
153 113.5 92.4 138.6
152 53.9 43.7 65.5



#55
Dibenzofuran
Concen: 2.817 ng
RT: 14.660 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BM032412.D
Acq: 09 Oct 2021 02:36

Tgt Ion:168 Resp: 210987
Ion Ratio Lower Upper
168 100
139 36.9 35.0 52.4
169 13.8 10.8 16.2

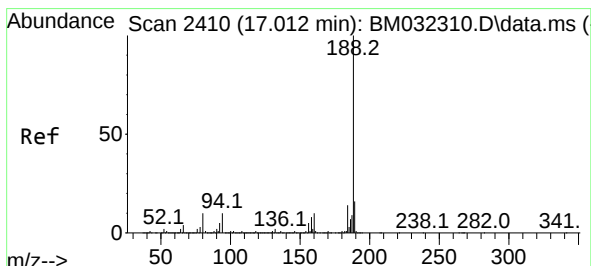
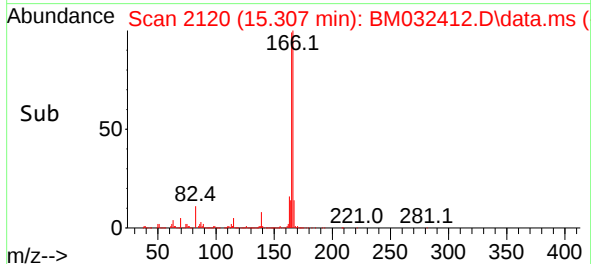
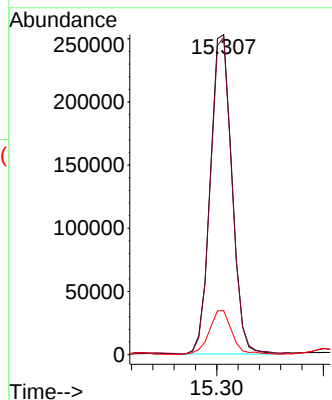
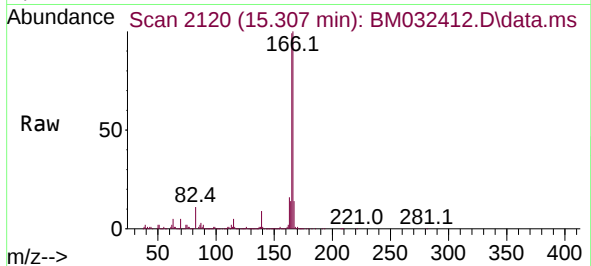




#58
Fluorene
Concen: 6.238 ng
RT: 15.307 min Scan# 2120
Delta R.T. -0.006 min
Lab File: BM032412.D
Acq: 09 Oct 2021 02:36

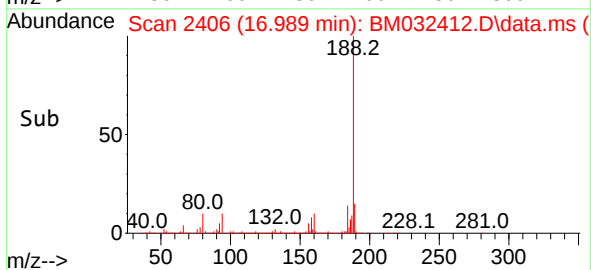
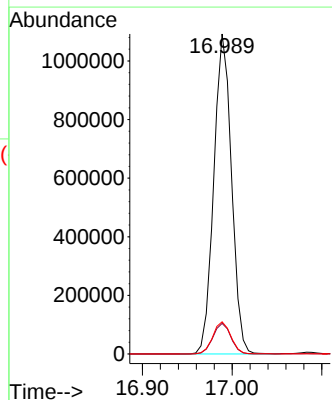
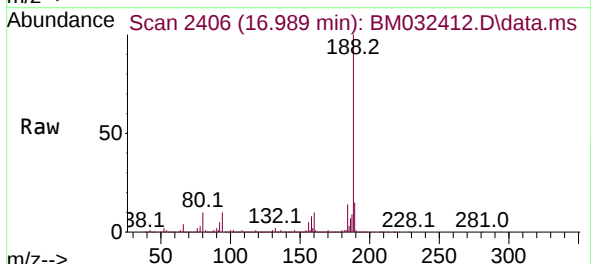
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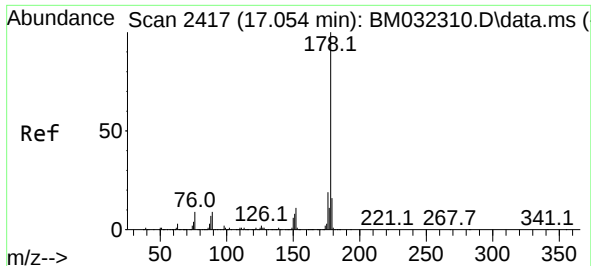
Tgt Ion:166 Resp: 355337
Ion Ratio Lower Upper
166 100
165 99.2 79.3 118.9
167 13.7 10.6 16.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.989 min Scan# 2406
Delta R.T. -0.006 min
Lab File: BM032412.D
Acq: 09 Oct 2021 02:36

Tgt Ion:188 Resp: 1497227
Ion Ratio Lower Upper
188 100
94 9.6 6.3 9.5#
80 10.1 7.3 10.9

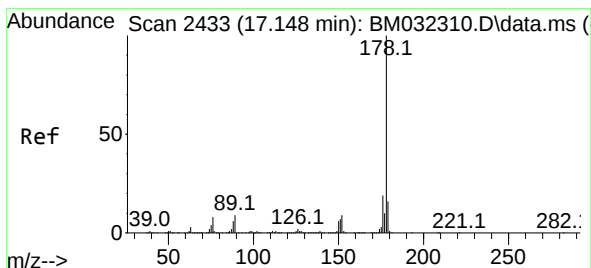
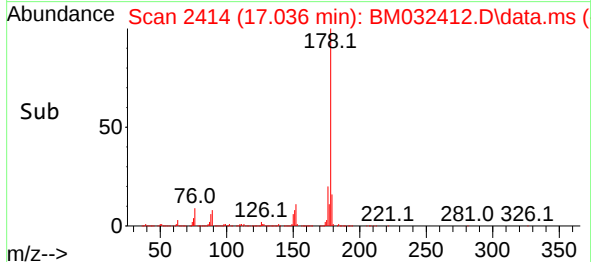
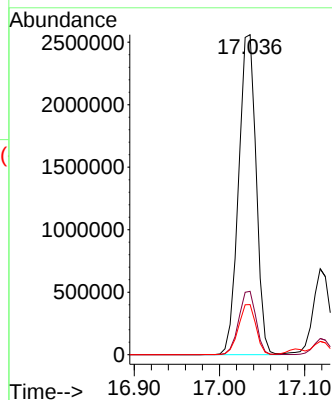
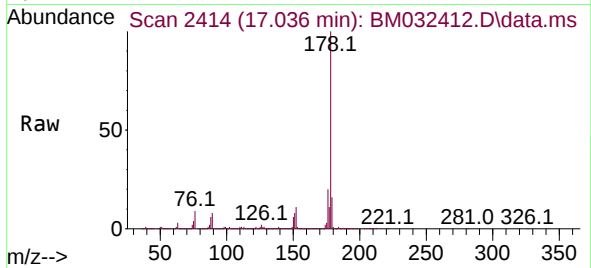




#71
Phenanthrene
Concen: 46.467 ng
RT: 17.036 min Scan# 2414
Delta R.T. -0.000 min
Lab File: BM032412.D
Acq: 09 Oct 2021 02:36

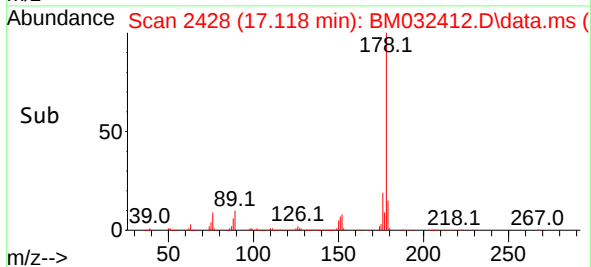
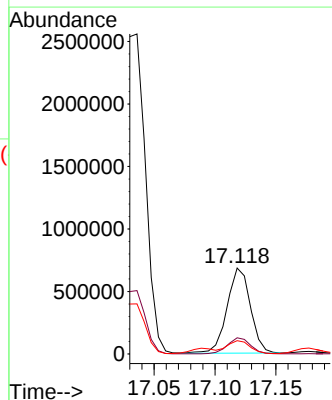
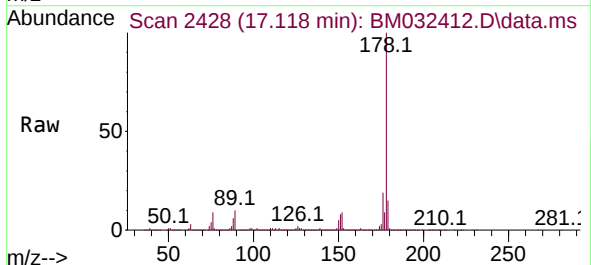
Instrument :
BNA_M
ClientSampleId :
OK-02-100721

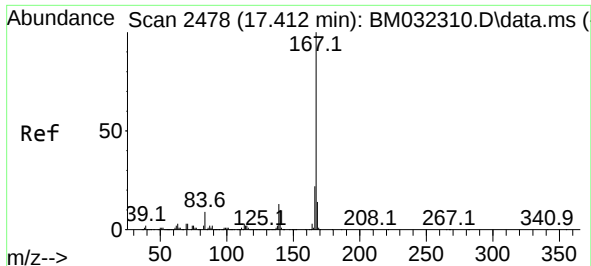
Tgt Ion:178 Resp: 3651555
Ion Ratio Lower Upper
178 100
176 19.8 15.6 23.4
179 15.7 12.4 18.6



#72
Anthracene
Concen: 11.855 ng
RT: 17.118 min Scan# 2428
Delta R.T. -0.006 min
Lab File: BM032412.D
Acq: 09 Oct 2021 02:36

Tgt Ion:178 Resp: 910307
Ion Ratio Lower Upper
178 100
176 18.8 14.8 22.2
179 15.4 12.3 18.5

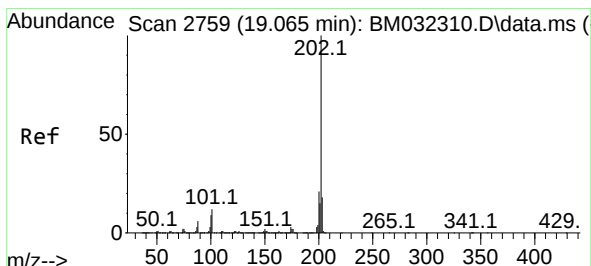
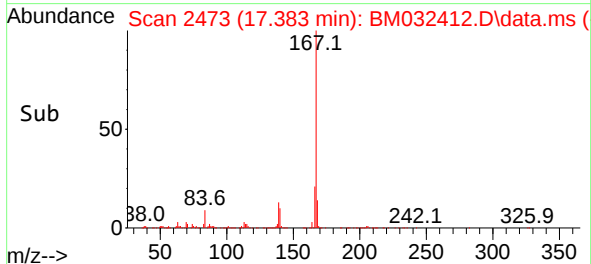
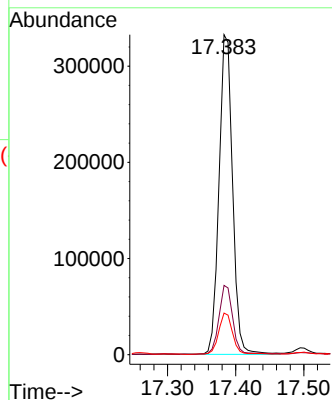
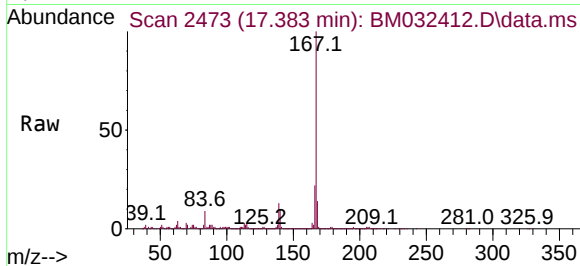




#73
 Carbazole
 Concen: 6.028 ng
 RT: 17.383 min Scan# 2473
 Delta R.T. -0.006 min
 Lab File: BM032412.D
 Acq: 09 Oct 2021 02:36

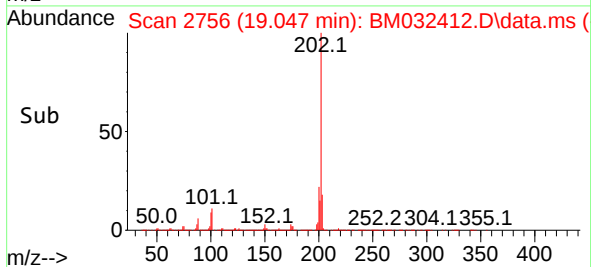
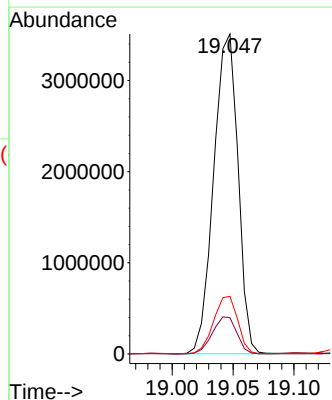
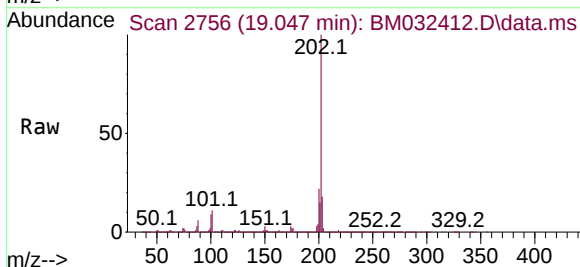
Instrument :
 BNA_M
 ClientSampleId :
 OK-02-100721

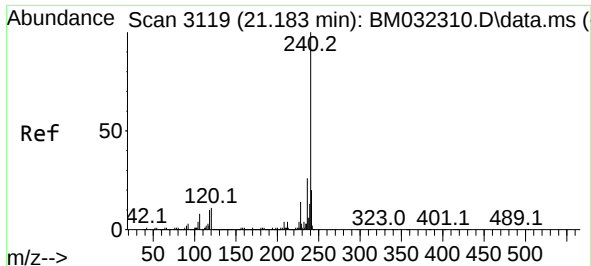
Tgt Ion:167 Resp: 459618
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.4 26.0
 139 13.0 11.9 17.9



#75
 Fluoranthene
 Concen: 56.032 ng
 RT: 19.047 min Scan# 2756
 Delta R.T. 0.006 min
 Lab File: BM032412.D
 Acq: 09 Oct 2021 02:36

Tgt Ion:202 Resp: 4882748
 Ion Ratio Lower Upper
 202 100
 101 11.4 0.0 29.9
 203 18.0 0.0 36.8

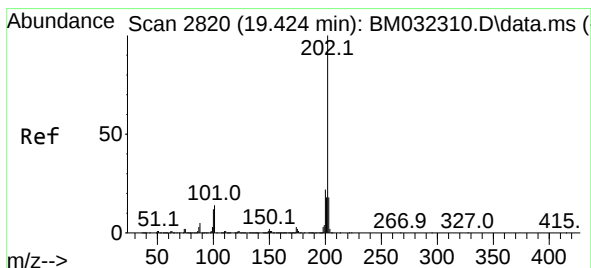
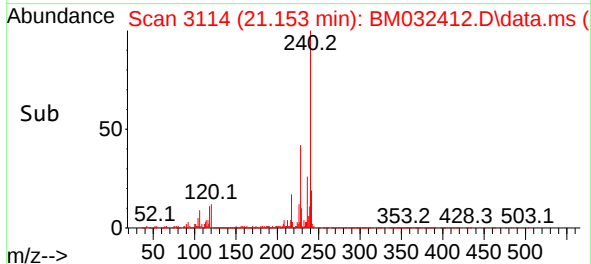
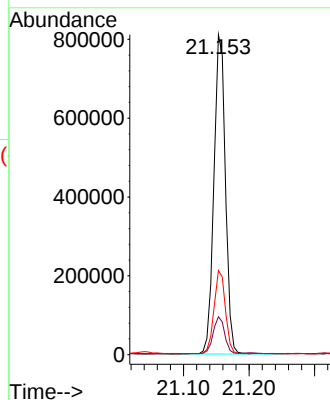
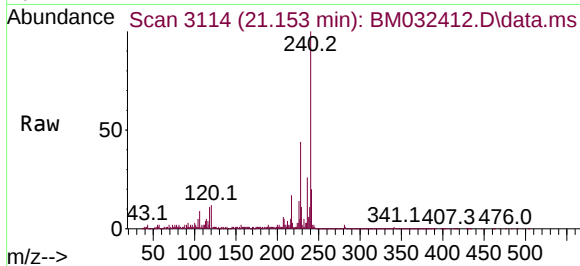




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.153 min Scan# 3114
Delta R.T. -0.006 min
Lab File: BM032412.D
Acq: 09 Oct 2021 02:36

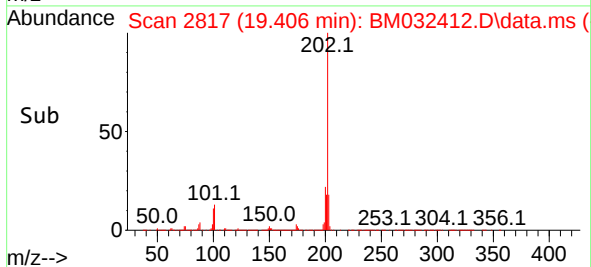
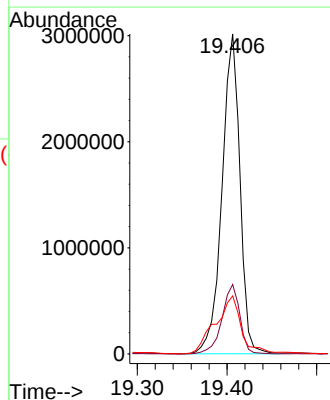
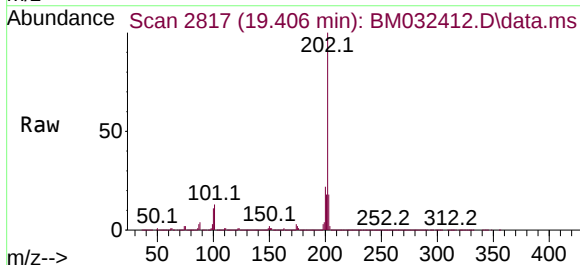
Instrument :
BNA_M
ClientSampleId :
OK-02-100721

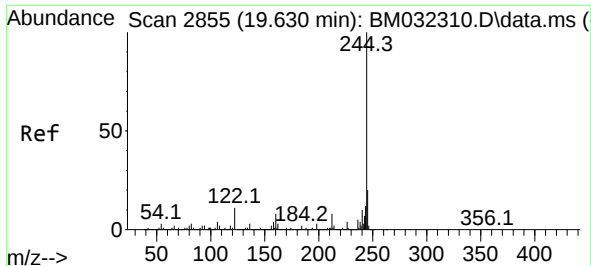
Tgt Ion:240 Resp: 990182
Ion Ratio Lower Upper
240 100
120 11.8 7.8 11.6#
236 26.3 20.9 31.3



#78
Pyrene
Concen: 62.196 ng
RT: 19.406 min Scan# 2817
Delta R.T. -0.000 min
Lab File: BM032412.D
Acq: 09 Oct 2021 02:36

Tgt Ion:202 Resp: 4176128
Ion Ratio Lower Upper
202 100
200 21.7 16.6 25.0
203 18.1 13.7 20.5

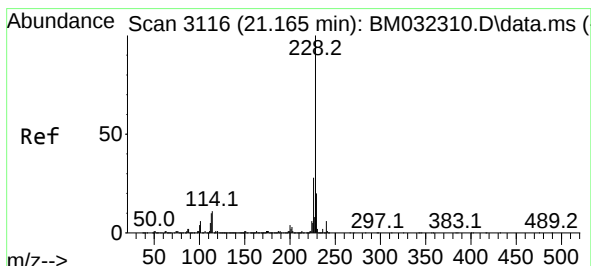
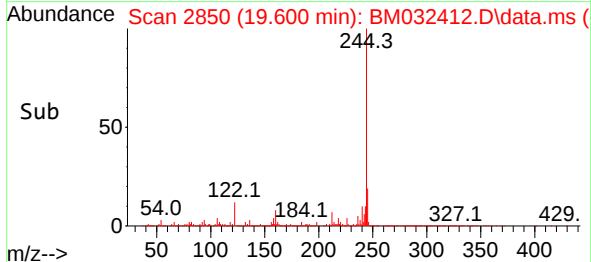
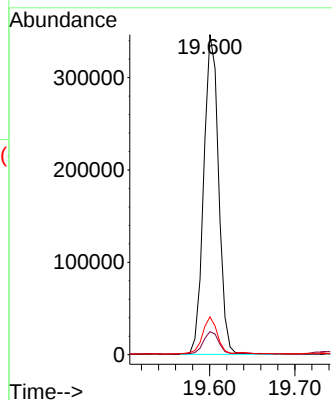
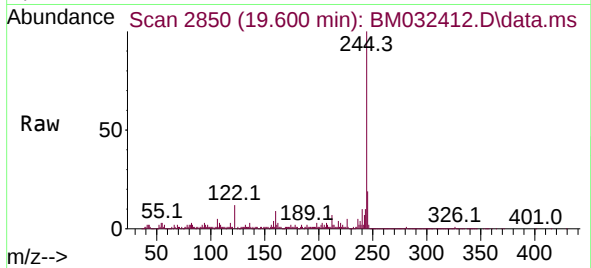




#79
Terphenyl-d14
Concen: 8.942 ng
RT: 19.600 min Scan# 2850
Delta R.T. -0.006 min
Lab File: BM032412.D
Acq: 09 Oct 2021 02:36

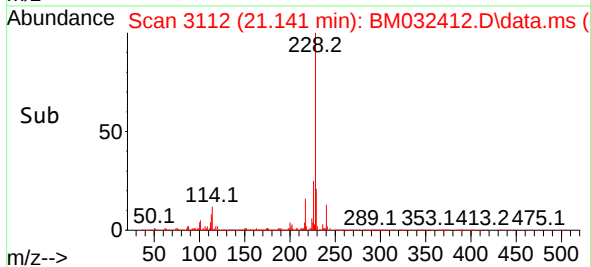
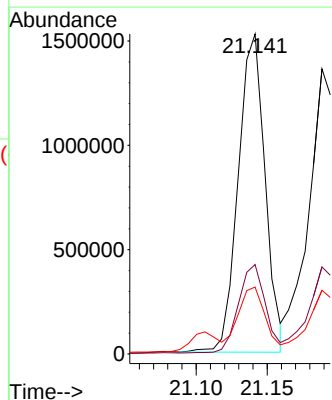
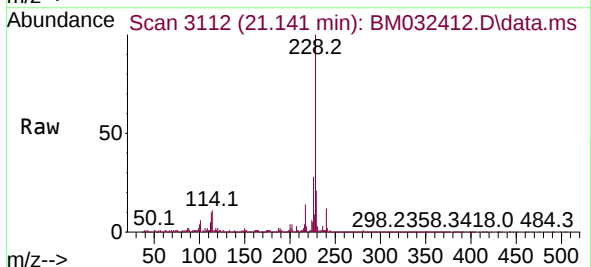
Instrument :
BNA_M
ClientSampleId :
OK-02-100721

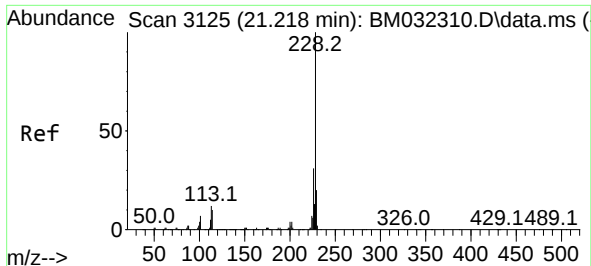
Tgt Ion:244 Resp: 420406
Ion Ratio Lower Upper
244 100
212 7.2 6.5 9.7
122 11.8 8.7 13.1



#81
Benzo(a)anthracene
Concen: 32.369 ng
RT: 21.141 min Scan# 3112
Delta R.T. -0.000 min
Lab File: BM032412.D
Acq: 09 Oct 2021 02:36

Tgt Ion:228 Resp: 2003393
Ion Ratio Lower Upper
228 100
226 27.9 21.4 32.2
229 20.9 15.3 22.9



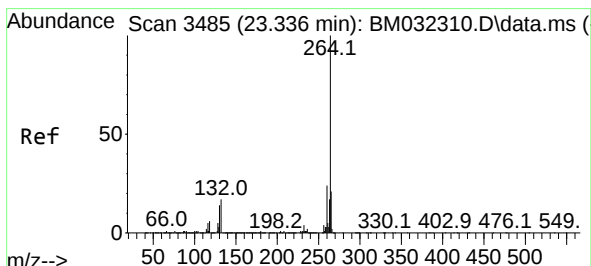
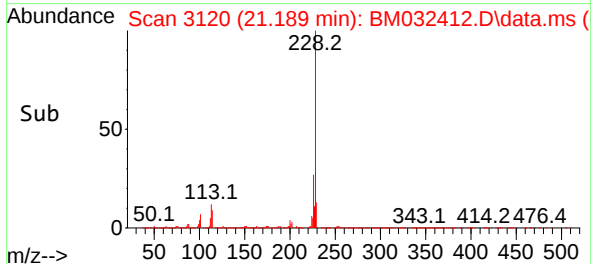
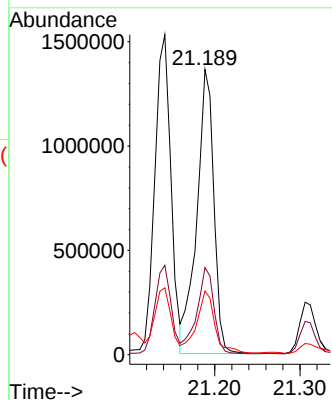
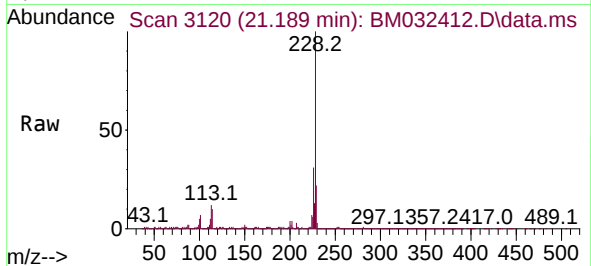


#83
Chrysene
Concen: 31.605 ng
RT: 21.189 min Scan# 3120
Delta R.T. -0.006 min
Lab File: BM032412.D
Acq: 09 Oct 2021 02:36

Instrument :
BNA_M
ClientSampleId :
OK-02-100721

Tgt Ion:228 Resp: 1892335

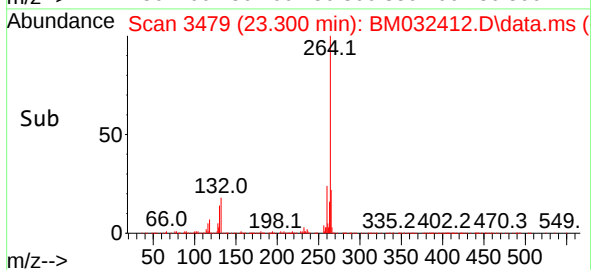
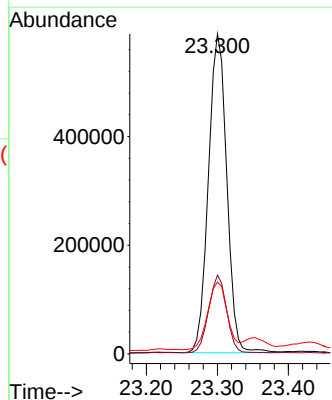
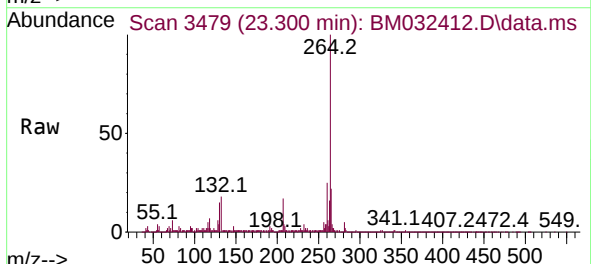
Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.0	36.0
229	22.4	16.0	24.0

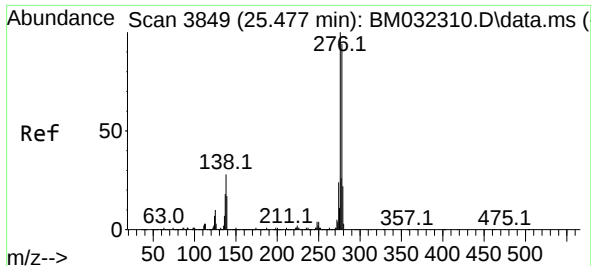


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.300 min Scan# 3479
Delta R.T. -0.000 min
Lab File: BM032412.D
Acq: 09 Oct 2021 02:36

Tgt Ion:264 Resp: 1054212

Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.3	28.9
265	22.4	18.3	27.5

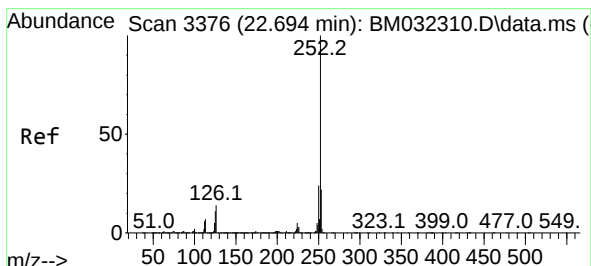
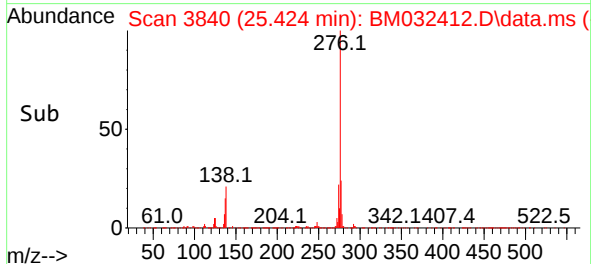
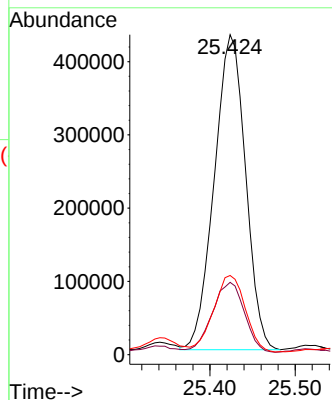
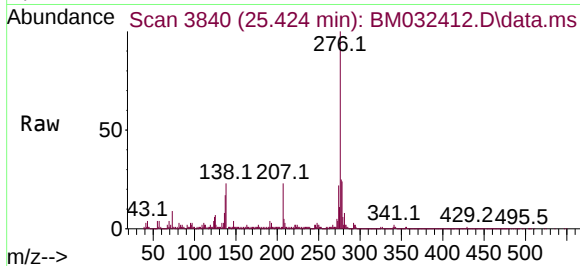




#87
Indeno(1,2,3-cd)pyrene
Concen: 16.874 ng
RT: 25.424 min Scan# 3840
Delta R.T. -0.006 min
Lab File: BM032412.D
Acq: 09 Oct 2021 02:36

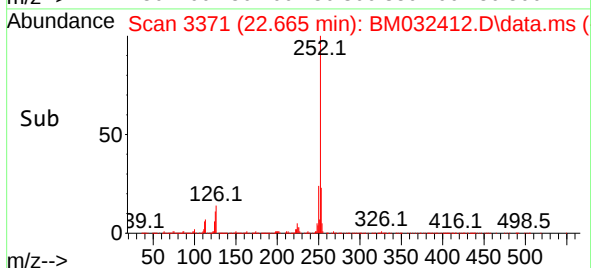
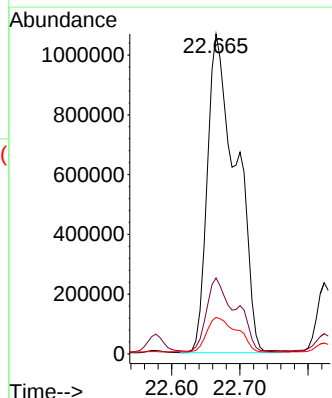
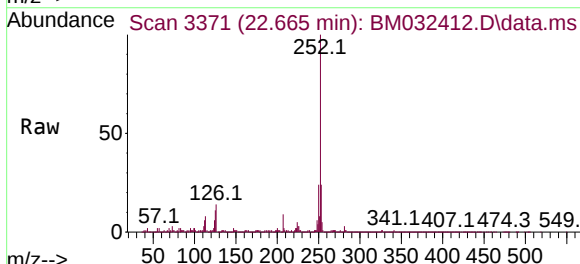
Instrument :
BNA_M
ClientSampleId :
OK-02-100721

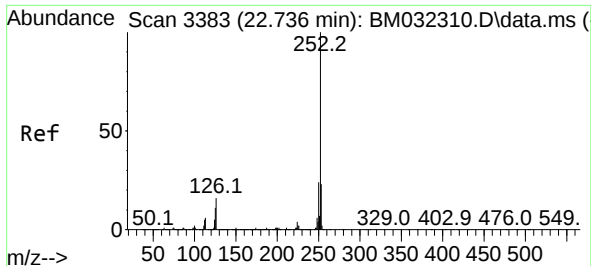
Tgt Ion:276 Resp: 1096170
Ion Ratio Lower Upper
276 100
138 22.8 18.4 27.6
277 24.5 20.1 30.1



#88
Benzo(b)fluoranthene
Concen: 49.121 ng
RT: 22.665 min Scan# 3371
Delta R.T. -0.000 min
Lab File: BM032412.D
Acq: 09 Oct 2021 02:36

Tgt Ion:252 Resp: 3150091
Ion Ratio Lower Upper
252 100
253 23.8 18.0 27.0
125 11.5 7.5 11.3#

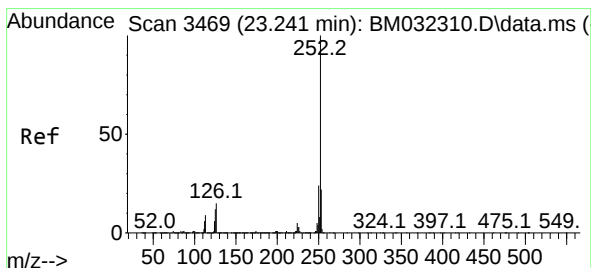
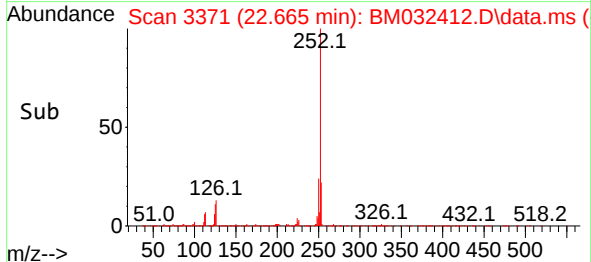
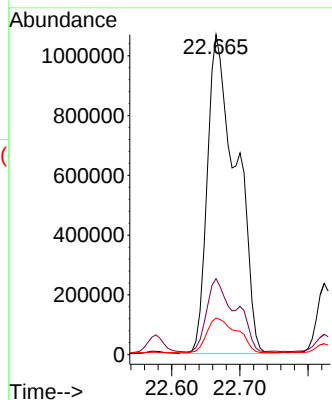
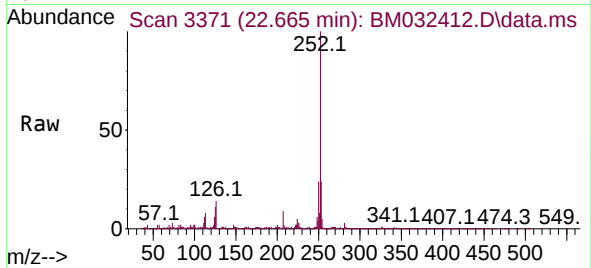




#89
Benzo(k)fluoranthene
Concen: 50.283 ng
RT: 22.665 min Scan# 3371
Delta R.T. -0.041 min
Lab File: BM032412.D
Acq: 09 Oct 2021 02:36

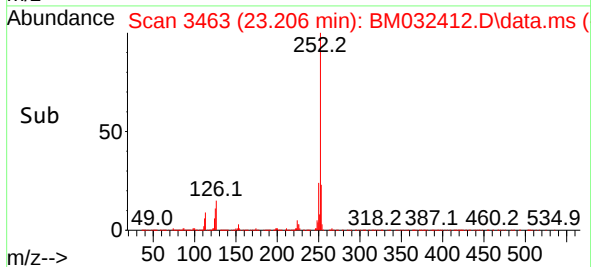
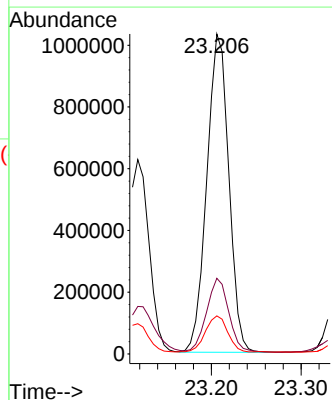
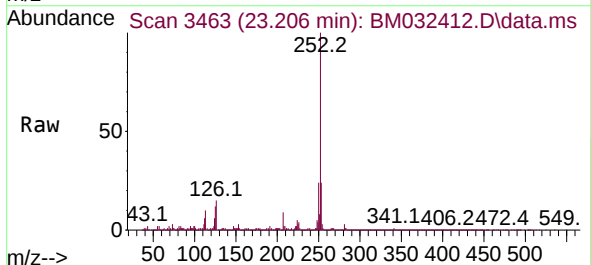
Instrument :
BNA_M
ClientSampleId :
OK-02-100721

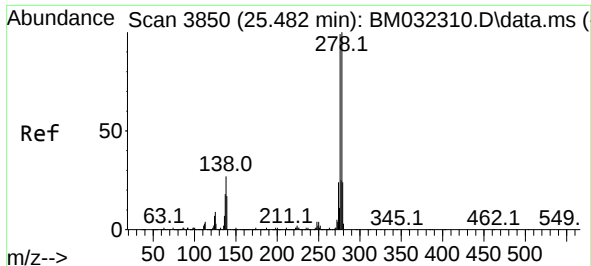
Tgt Ion:252 Resp: 3150091
Ion Ratio Lower Upper
252 100
253 23.8 17.3 25.9
125 11.5 7.5 11.3#



#90
Benzo(a)pyrene
Concen: 33.725 ng
RT: 23.206 min Scan# 3463
Delta R.T. -0.006 min
Lab File: BM032412.D
Acq: 09 Oct 2021 02:36

Tgt Ion:252 Resp: 1753875
Ion Ratio Lower Upper
252 100
253 23.7 17.4 26.2
125 11.9 8.1 12.1

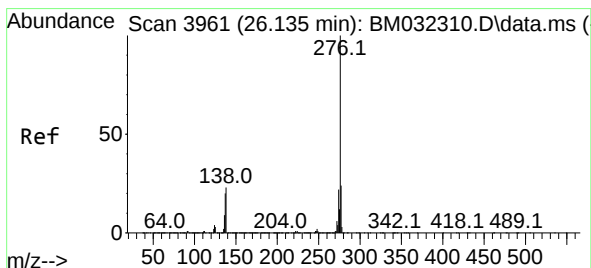
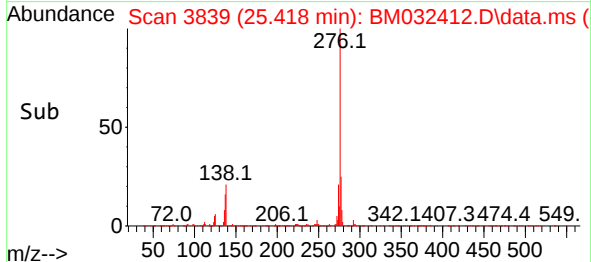
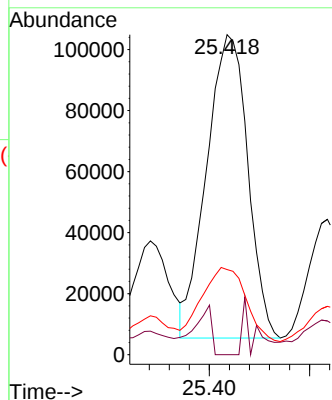
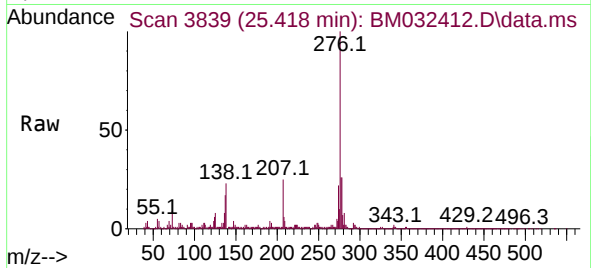




#91
Dibenzo(a,h)anthracene
Concen: 5.180 ng
RT: 25.418 min Scan# 3839
Delta R.T. -0.018 min
Lab File: BM032412.D
Acq: 09 Oct 2021 02:36

Instrument :
BNA_M
ClientSampleId :
OK-02-100721

Tgt Ion:278 Resp: 283687
Ion Ratio Lower Upper
278 100
139 0.0 10.9 16.3#
279 26.6 18.2 27.2



#92
Benzo(g,h,i)perylene
Concen: 19.684 ng
RT: 26.082 min Scan# 3952
Delta R.T. -0.000 min
Lab File: BM032412.D
Acq: 09 Oct 2021 02:36

Tgt Ion:276 Resp: 1065781
Ion Ratio Lower Upper
276 100
277 24.7 19.4 29.0
138 23.9 14.6 22.0#

