

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081821\
 Data File : BM031818.D
 Acq On : 18 Aug 2021 22:45
 Operator : CG/JU
 Sample : M3388-01DL 4X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 VNJ-215DL

Quant Time: Aug 19 03:05:44 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)

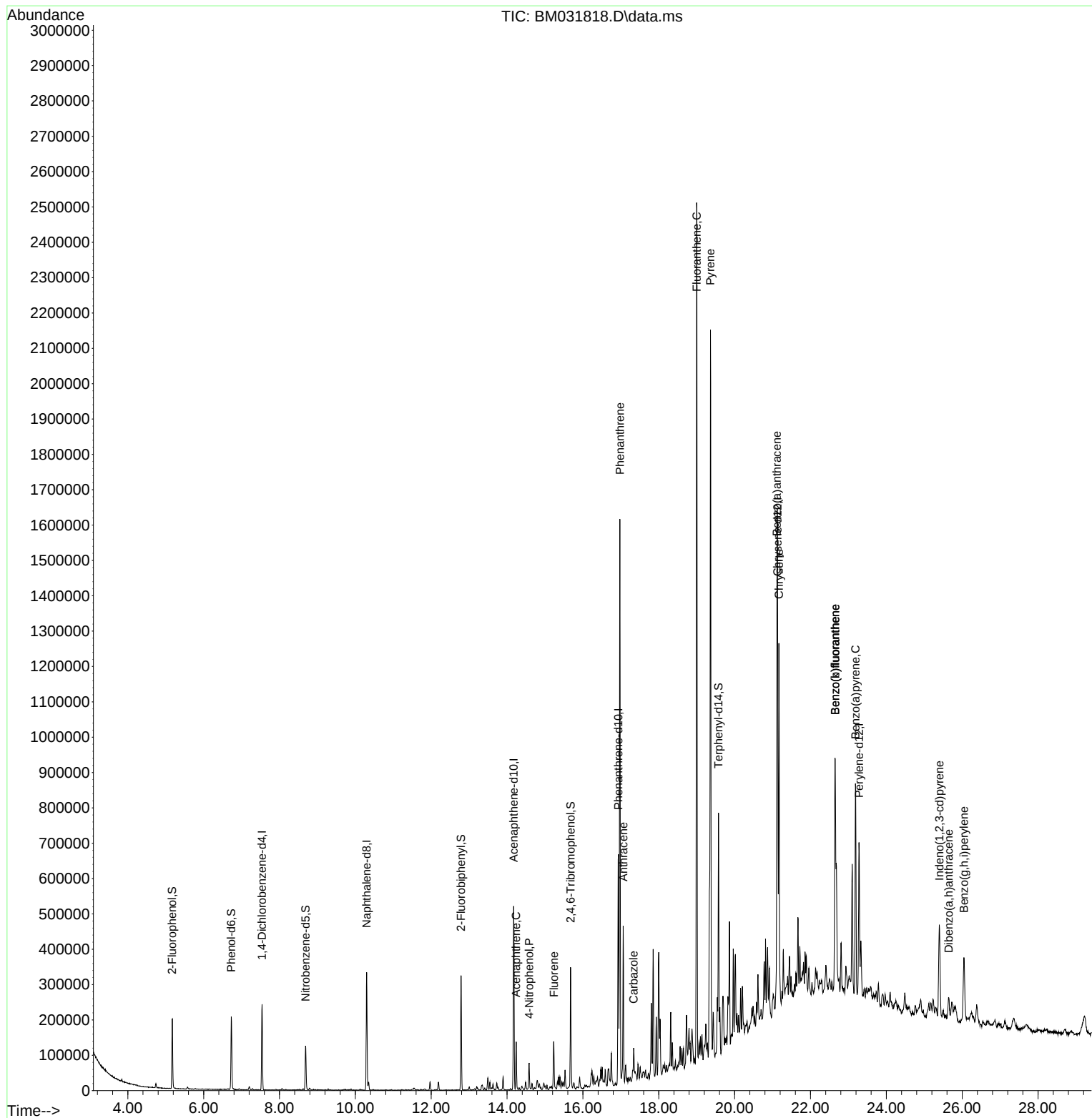
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.540	152	55882	20.000	ng	0.00
21) Naphthalene-d8	10.298	136	241648	20.000	ng	# 0.00
39) Acenaphthene-d10	14.174	164	158770	20.000	ng	0.00
64) Phenanthrene-d10	16.933	188	359006	20.000	ng	0.00
76) Chrysene-d12	21.133	240	306265	20.000	ng	0.00
86) Perylene-d12	23.280	264	258691	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.169	112	73469	21.101	ng	0.00
7) Phenol-d6	6.728	99	95003	18.831	ng	0.00
23) Nitrobenzene-d5	8.687	82	69199	11.990	ng	0.00
42) 2,4,6-Tribromophenol	15.674	330	33368	17.064	ng	0.00
45) 2-Fluorobiphenyl	12.786	172	141265	11.843	ng	0.00
79) Terphenyl-d14	19.574	244	257267	14.153	ng	0.00
Target Compounds						
						Qvalue
52) Acenaphthene	14.239	154	43084	4.404	ng	96
56) 4-Nitrophenol	14.580	139	13994	5.438	ng	# 5
58) Fluorene	15.233	166	51078	3.764	ng	94
71) Phenanthrene	16.974	178	821918	37.539	ng	100
72) Anthracene	17.062	178	232049	10.811	ng	100
73) Carbazole	17.339	167	44724	2.080	ng	# 97
75) Fluoranthene	19.003	202	1372142	52.320	ng	99
78) Pyrene	19.362	202	1190597	53.662	ng	99
81) Benzo(a)anthracene	21.115	228	556020	24.786	ng	98
83) Chrysene	21.168	228	485904	22.221	ng	96
87) Indeno(1,2,3-cd)pyrene	25.397	276	210686	11.557	ng	98
88) Benzo(b)fluoranthene	22.650	252	671649	34.580	ng	# 97
89) Benzo(k)fluoranthene	22.650	252	671649	35.827	ng	# 97
90) Benzo(a)pyrene	23.186	252	376932	21.919	ng	98
91) Dibenzo(a,h)anthracene	25.644	278	53969	3.366	ng	96
92) Benzo(g,h,i)perylene	26.044	276	190944	13.078	ng	99

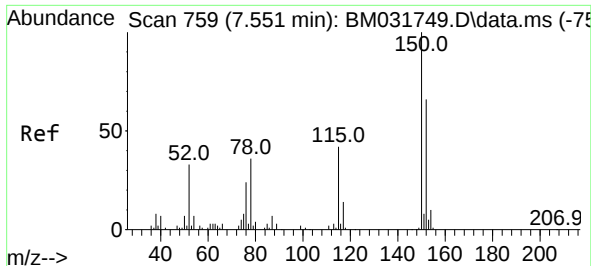
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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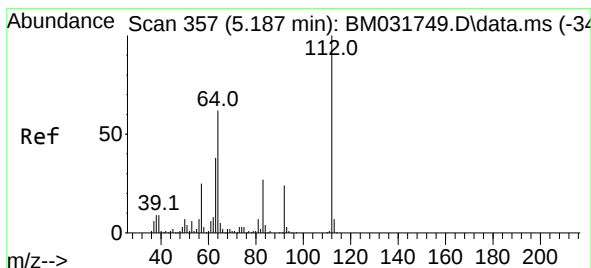
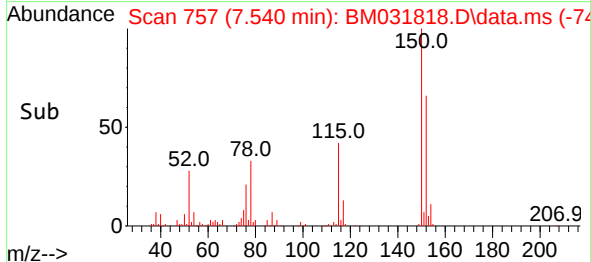
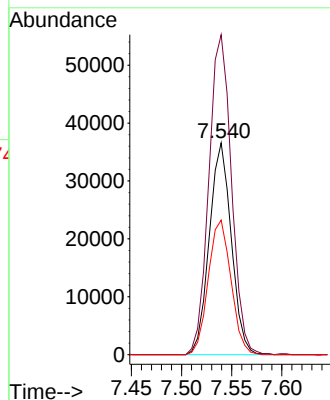
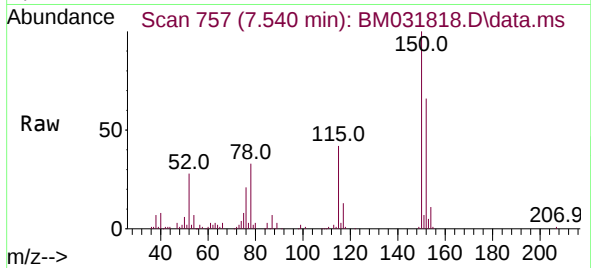




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.540 min Scan# 757
Delta R.T. -0.000 min
Lab File: BM031818.D
Acq: 18 Aug 2021 22:45

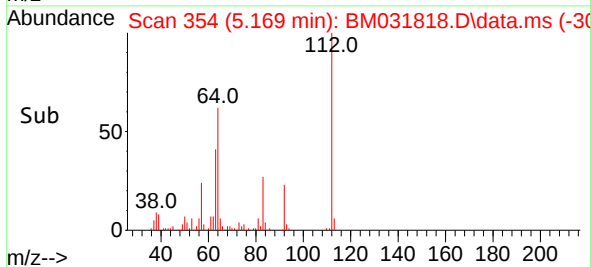
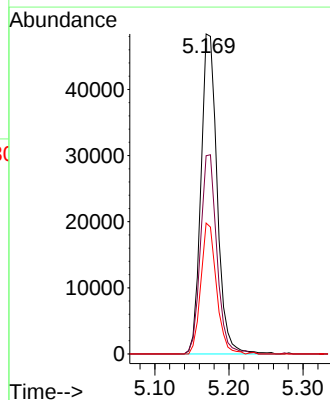
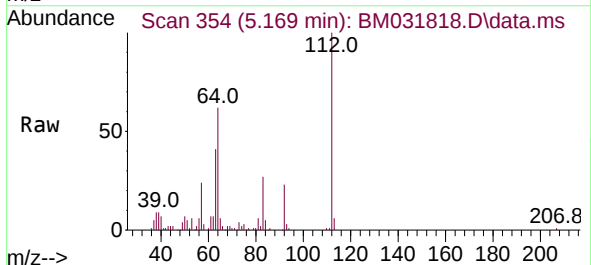
Instrument :
BNA_M
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VNJ-215DL

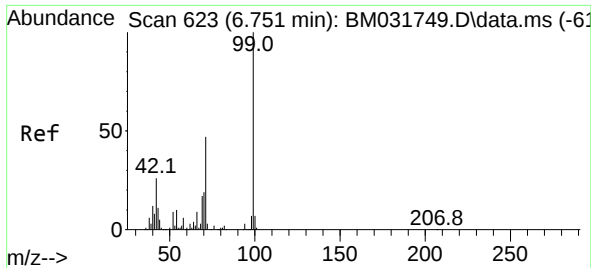
Tgt Ion:152 Resp: 55882
Ion Ratio Lower Upper
152 100
150 151.0 125.9 188.9
115 63.5 44.6 67.0



#5
2-Fluorophenol
Concen: 21.101 ng
RT: 5.169 min Scan# 354
Delta R.T. -0.006 min
Lab File: BM031818.D
Acq: 18 Aug 2021 22:45

Tgt Ion:112 Resp: 73469
Ion Ratio Lower Upper
112 100
64 62.0 47.1 70.7
63 40.9 27.3 40.9

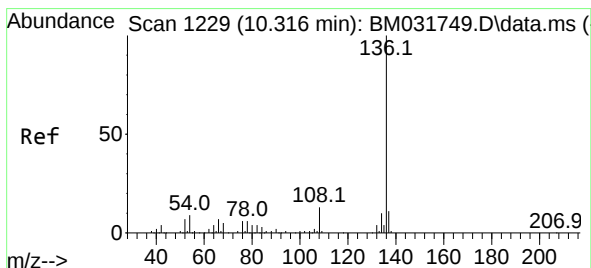
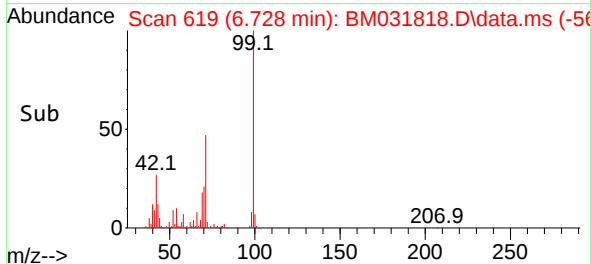
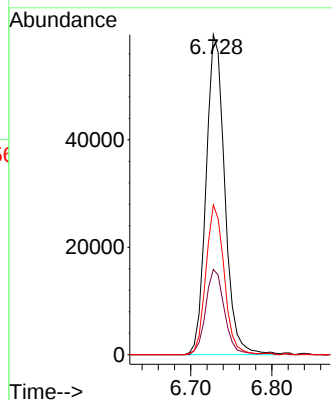
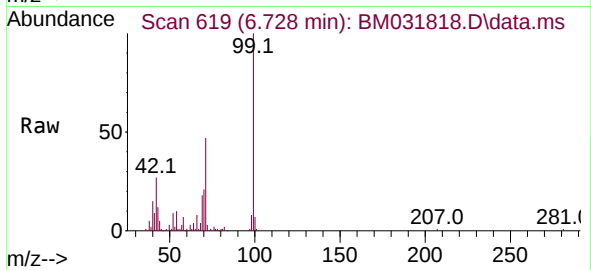




#7
Phenol-d6
Concen: 18.831 ng
RT: 6.728 min Scan# 619
Delta R.T. -0.006 min
Lab File: BM031818.D
Acq: 18 Aug 2021 22:45

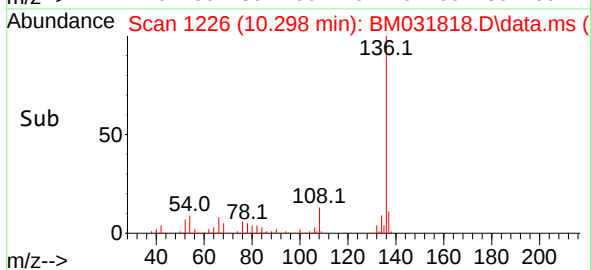
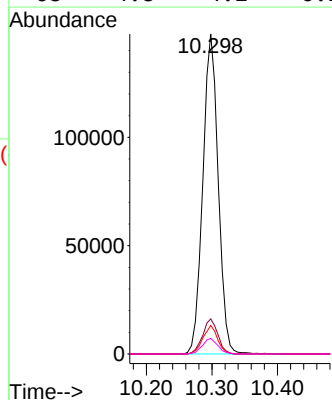
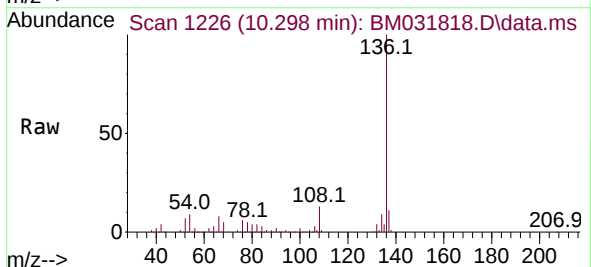
Instrument :
BNA_M
ClientSampleId :
VNJ-215DL

Tgt Ion:	99	Resp:	95003
Ion	Ratio	Lower	Upper
99	100		
42	26.6	18.0	27.0
71	46.8	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: BM031818.D
Acq: 18 Aug 2021 22:45

Tgt Ion:	136	Resp:	241648
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.4	12.6
54	8.9	5.5	8.3#
68	4.8	4.2	6.2

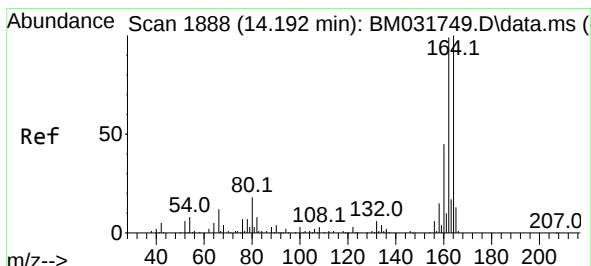
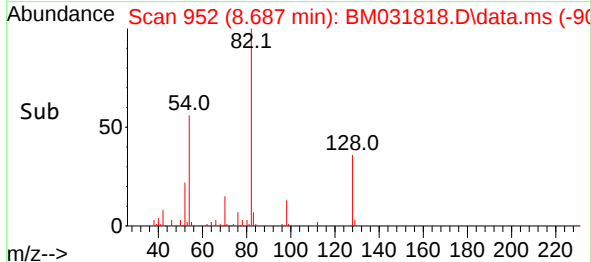
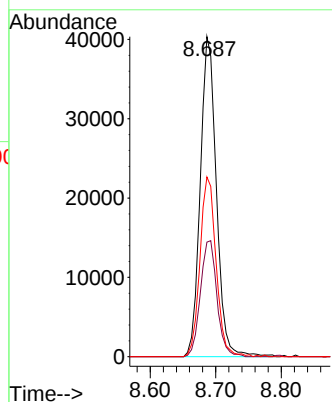
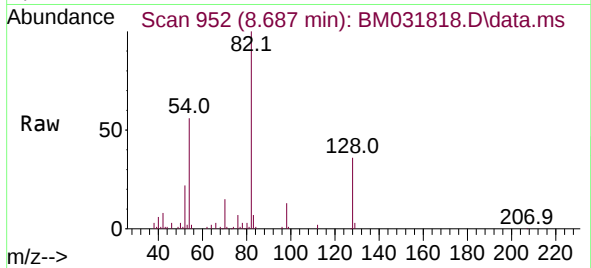




#23
Nitrobenzene-d5
Concen: 11.990 ng
RT: 8.687 min Scan# 952
Delta R.T. -0.006 min
Lab File: BM031818.D
Acq: 18 Aug 2021 22:45

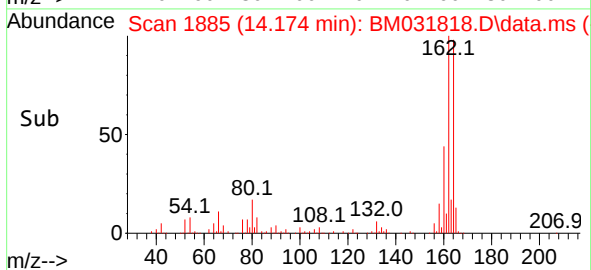
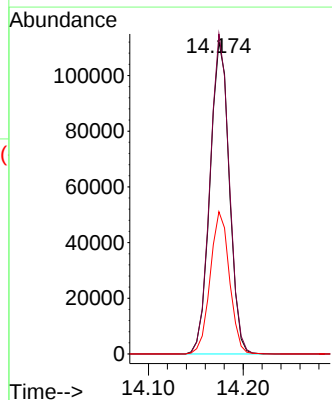
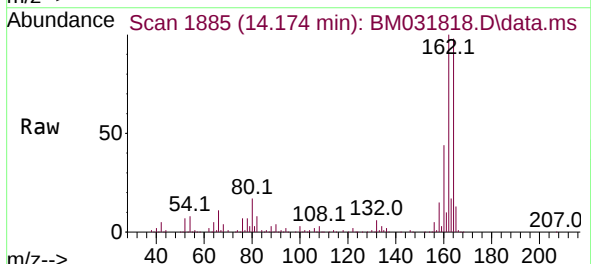
Instrument :
BNA_M
ClientSampleId :
VNJ-215DL

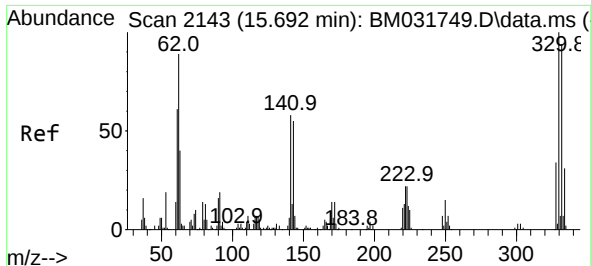
Tgt Ion: 82 Resp: 69199
Ion Ratio Lower Upper
82 100
128 35.8 31.1 46.7
54 56.2 37.3 55.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.174 min Scan# 1885
Delta R.T. -0.006 min
Lab File: BM031818.D
Acq: 18 Aug 2021 22:45

Tgt Ion: 164 Resp: 158770
Ion Ratio Lower Upper
164 100
162 102.5 83.4 125.0
160 45.6 37.2 55.8

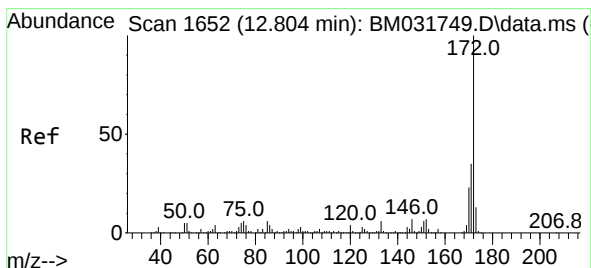
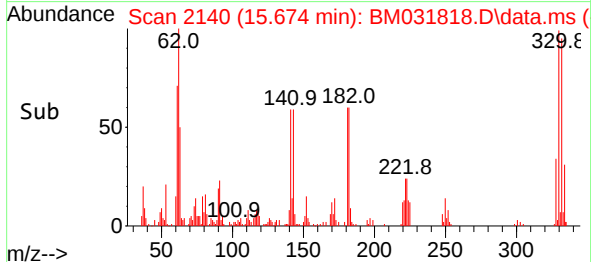
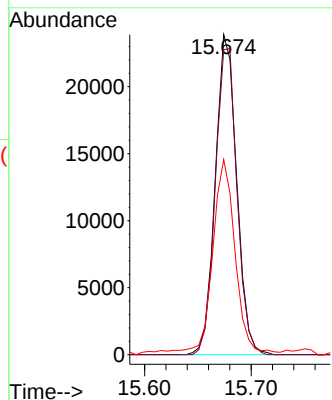
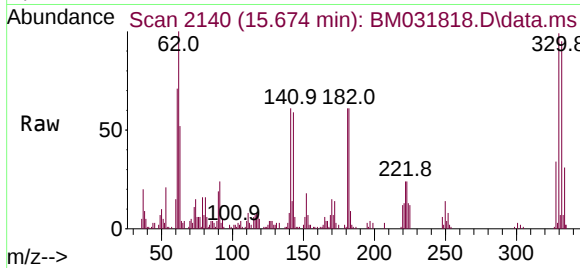




#42
2,4,6-Tribromophenol
Concen: 17.064 ng
RT: 15.674 min Scan# 2140
Delta R.T. -0.006 min
Lab File: BM031818.D
Acq: 18 Aug 2021 22:45

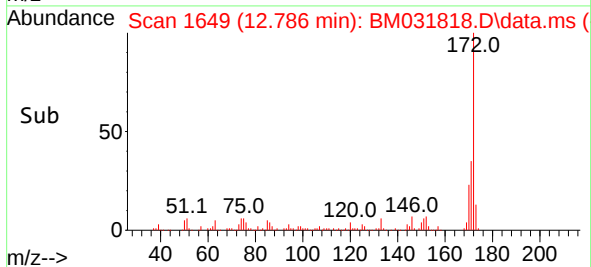
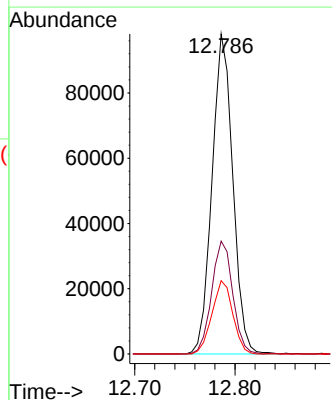
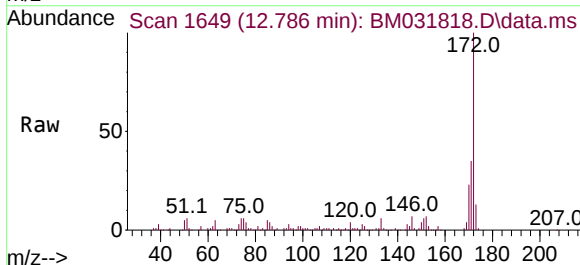
Instrument :
BNA_M
ClientSampleId :
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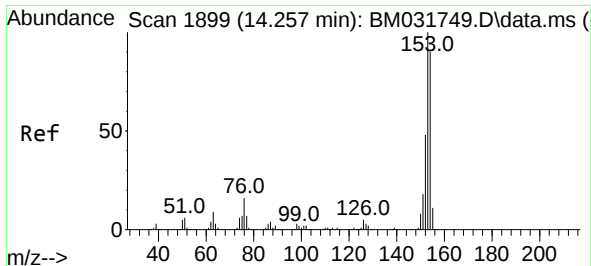
Tgt Ion:330 Resp: 33368
Ion Ratio Lower Upper
330 100
332 96.9 77.0 115.4
141 65.9 30.2 45.2#



#45
2-Fluorobiphenyl
Concen: 11.843 ng
RT: 12.786 min Scan# 1649
Delta R.T. -0.006 min
Lab File: BM031818.D
Acq: 18 Aug 2021 22:45

Tgt Ion:172 Resp: 141265
Ion Ratio Lower Upper
172 100
171 35.3 28.6 43.0
170 22.9 18.4 27.6

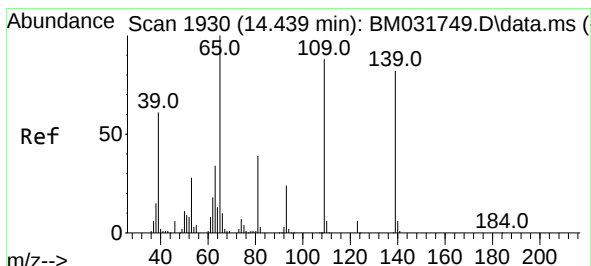
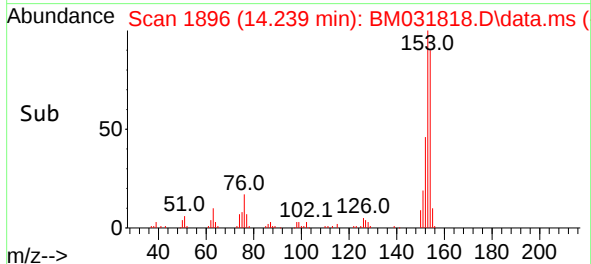
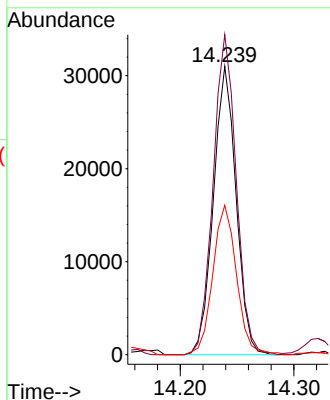
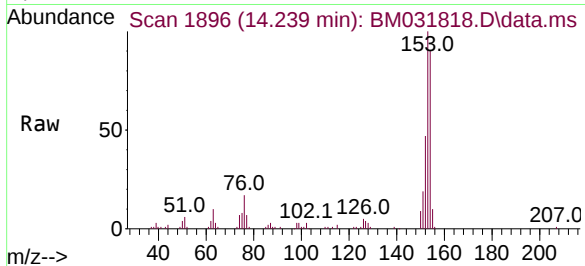




#52
Acenaphthene
Concen: 4.404 ng
RT: 14.239 min Scan# 1896
Delta R.T. -0.006 min
Lab File: BM031818.D
Acq: 18 Aug 2021 22:45

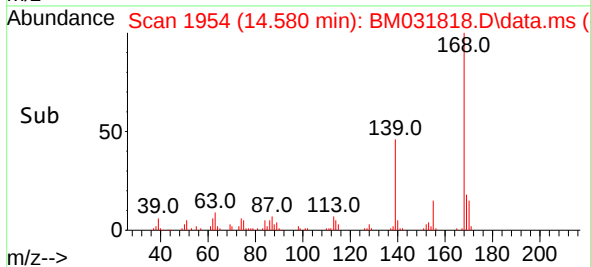
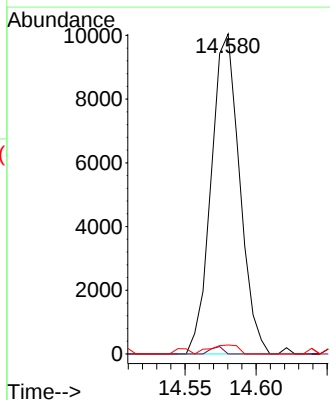
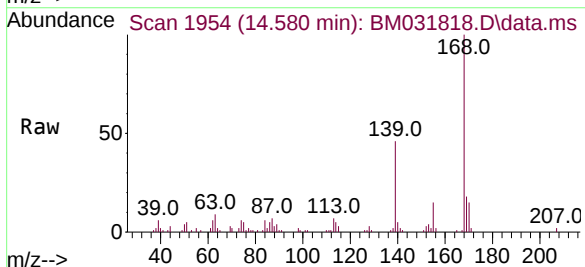
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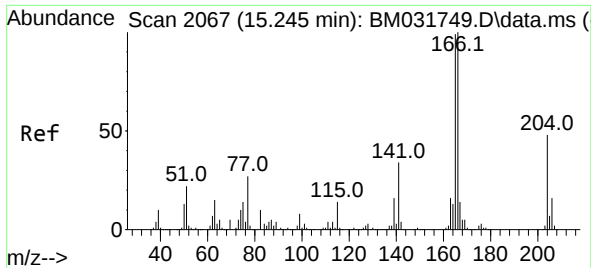
Tgt Ion:154 Resp: 43084
Ion Ratio Lower Upper
154 100
153 111.0 92.2 138.2
152 51.8 43.4 65.2



#56
4-Nitrophenol
Concen: 5.438 ng
RT: 14.580 min Scan# 1954
Delta R.T. 0.153 min
Lab File: BM031818.D
Acq: 18 Aug 2021 22:45

Tgt Ion:139 Resp: 13994
Ion Ratio Lower Upper
139 100
109 0.0 64.5 104.5#
65 2.8 78.9 118.9#

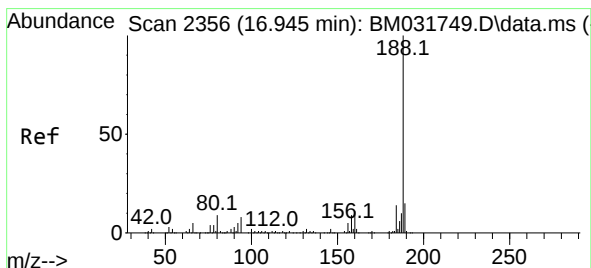
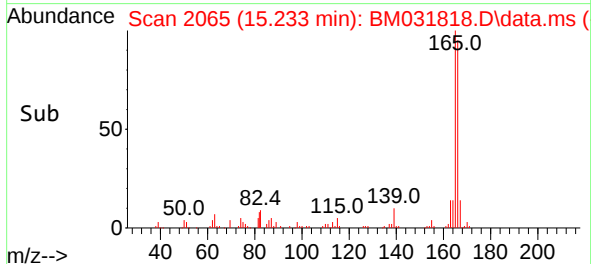
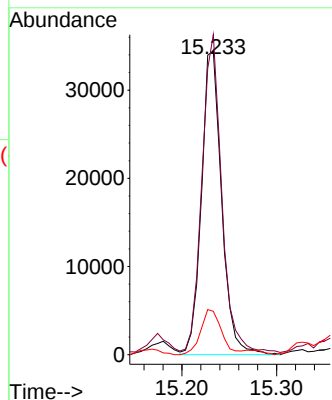
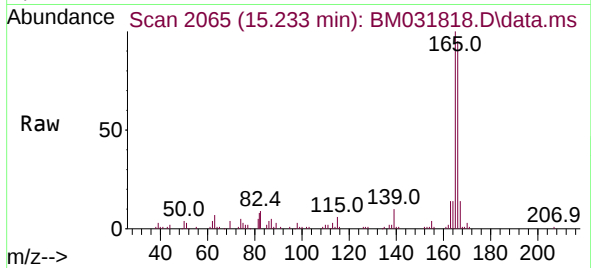




#58
Fluorene
Concen: 3.764 ng
RT: 15.233 min Scan# 2065
Delta R.T. -0.000 min
Lab File: BM031818.D
Acq: 18 Aug 2021 22:45

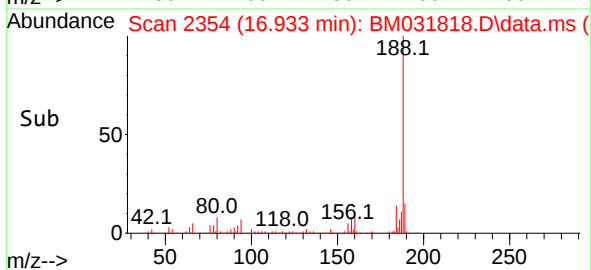
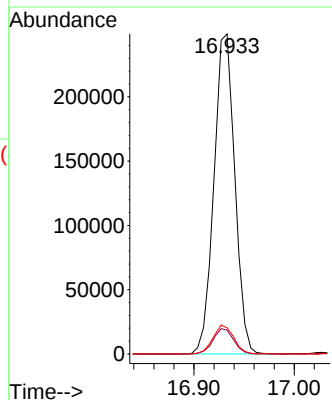
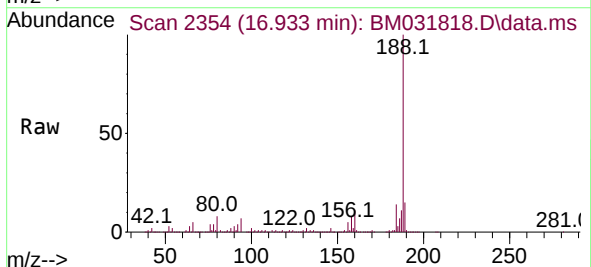
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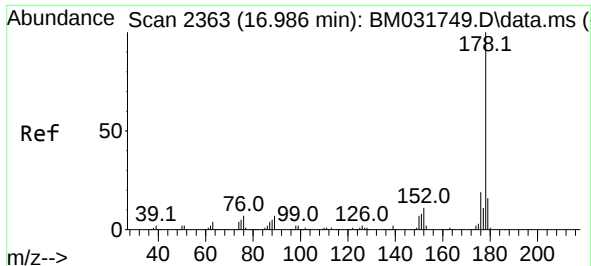
Tgt Ion:166 Resp: 51078
Ion Ratio Lower Upper
166 100
165 105.4 79.0 118.6
167 14.3 10.8 16.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.933 min Scan# 2354
Delta R.T. -0.000 min
Lab File: BM031818.D
Acq: 18 Aug 2021 22:45

Tgt Ion:188 Resp: 359006
Ion Ratio Lower Upper
188 100
94 7.5 6.0 9.0
80 8.2 6.6 9.8

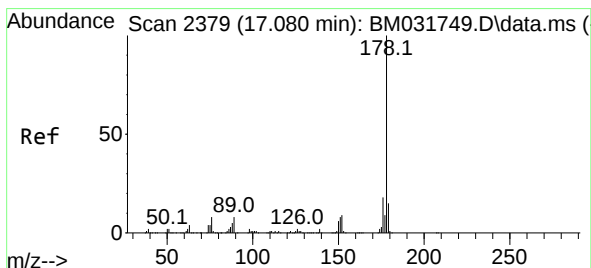
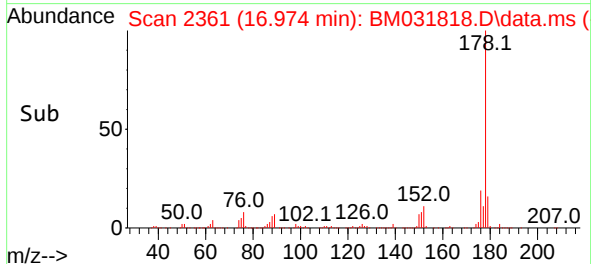
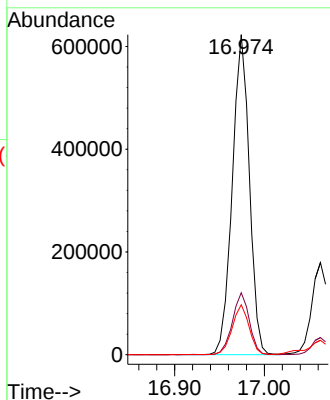
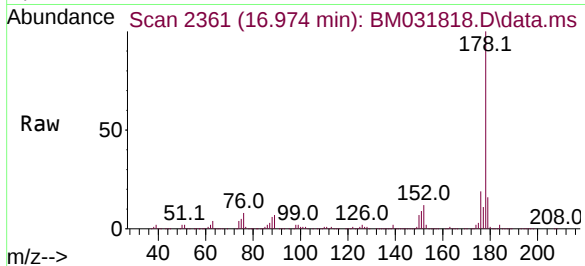




#71
Phenanthrene
Concen: 37.539 ng
RT: 16.974 min Scan# 2361
Delta R.T. -0.000 min
Lab File: BM031818.D
Acq: 18 Aug 2021 22:45

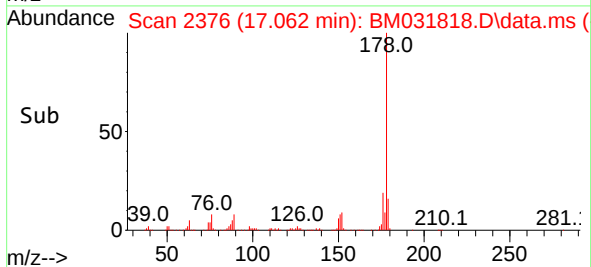
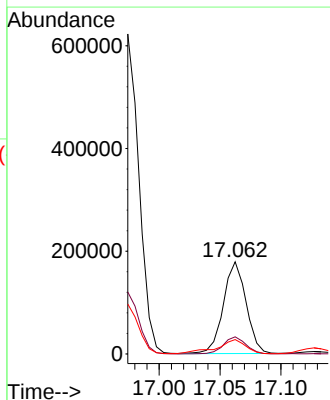
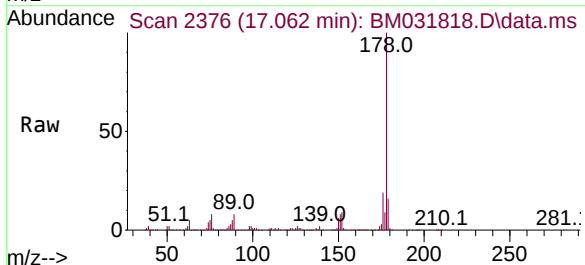
Instrument :
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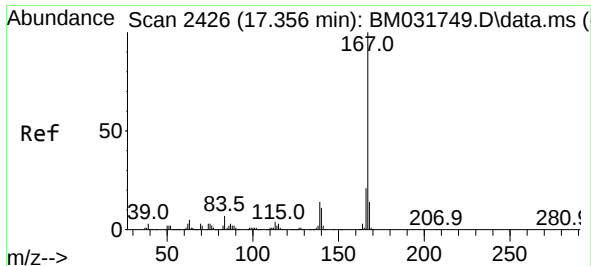
Tgt Ion:178 Resp: 821918
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.0
179 15.6 12.2 18.4



#72
Anthracene
Concen: 10.811 ng
RT: 17.062 min Scan# 2376
Delta R.T. -0.006 min
Lab File: BM031818.D
Acq: 18 Aug 2021 22:45

Tgt Ion:178 Resp: 232049
Ion Ratio Lower Upper
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176 18.6 15.0 22.4
179 15.7 12.5 18.7

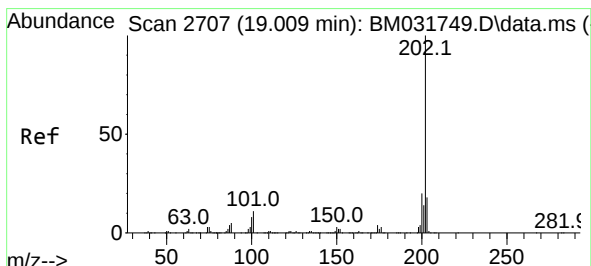
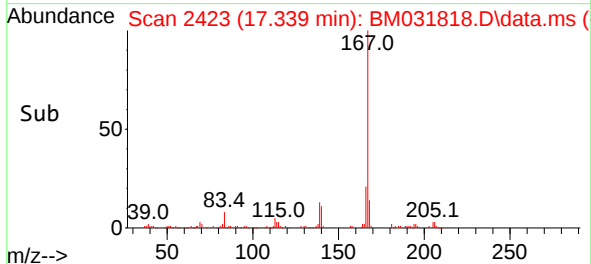
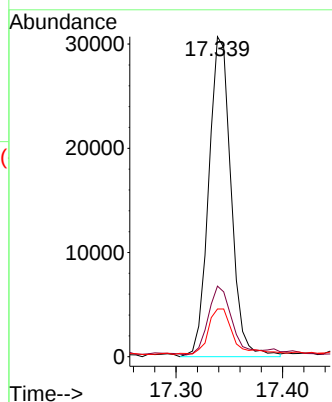
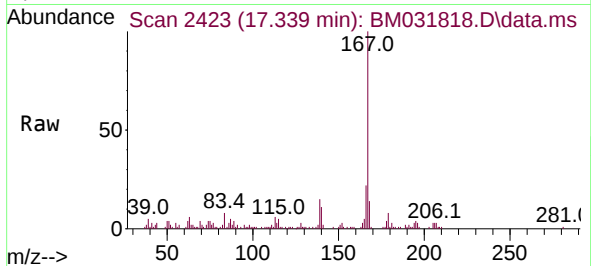




#73
 Carbazole
 Concen: 2.080 ng
 RT: 17.339 min Scan# 2423
 Delta R.T. -0.006 min
 Lab File: BM031818.D
 Acq: 18 Aug 2021 22:45

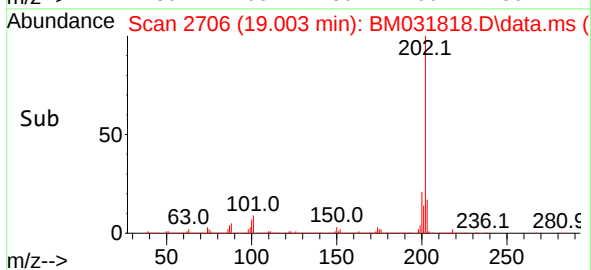
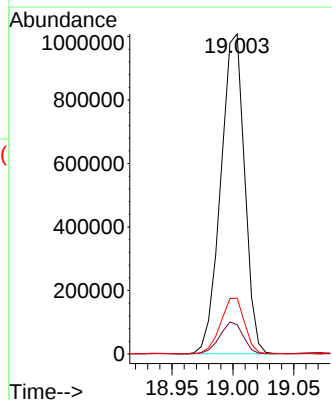
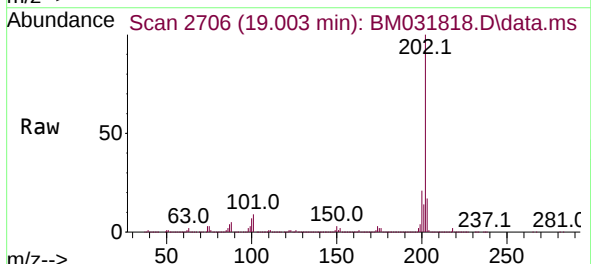
Instrument :
 BNA_M
 ClientSampleId :
 VNJ-215DL

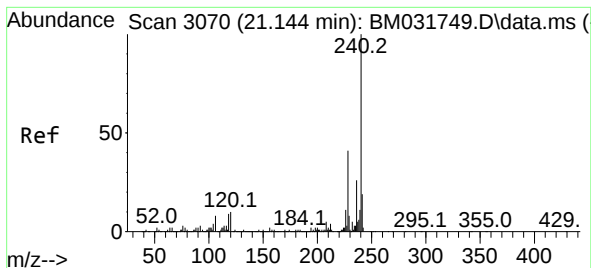
Tgt Ion:167 Resp: 44724
 Ion Ratio Lower Upper
 167 100
 166 22.1 17.4 26.0
 139 14.9 9.8 14.6#



#75
 Fluoranthene
 Concen: 52.320 ng
 RT: 19.003 min Scan# 2706
 Delta R.T. 0.006 min
 Lab File: BM031818.D
 Acq: 18 Aug 2021 22:45

Tgt Ion:202 Resp: 1372142
 Ion Ratio Lower Upper
 202 100
 101 9.2 0.0 28.6
 203 17.4 0.0 37.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.133 min Scan# 3068

Delta R.T. -0.000 min

Lab File: BM031818.D

Acq: 18 Aug 2021 22:45

Tgt Ion:240 Resp: 306265

Ion Ratio Lower Upper

240 100

120 9.7 7.0 10.6

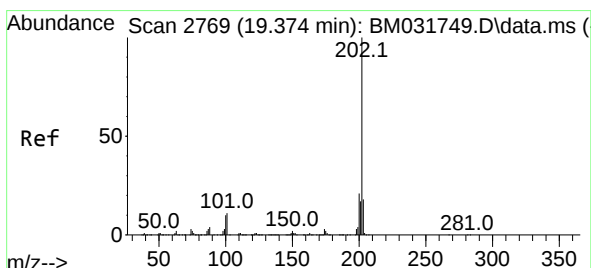
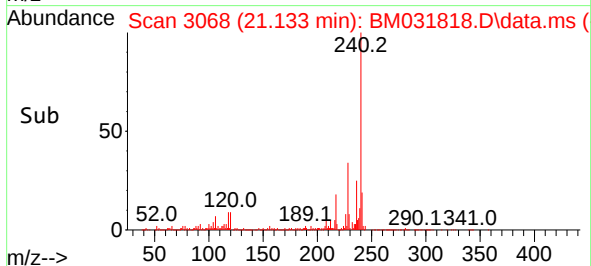
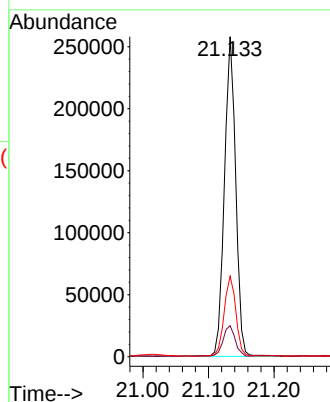
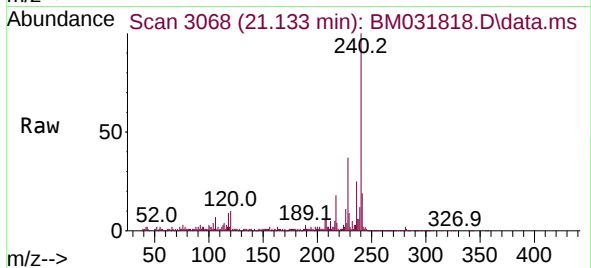
236 25.2 21.0 31.4

Instrument :

BNA_M

ClientSampleId :

VNJ-215DL



#78

Pyrene

Concen: 53.662 ng

RT: 19.362 min Scan# 2767

Delta R.T. -0.000 min

Lab File: BM031818.D

Acq: 18 Aug 2021 22:45

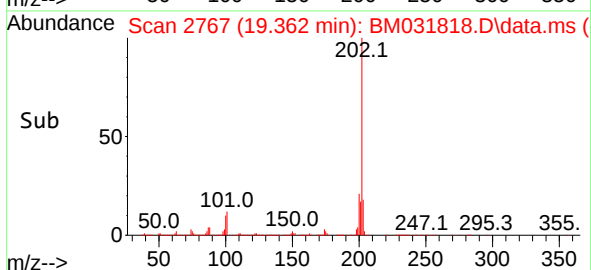
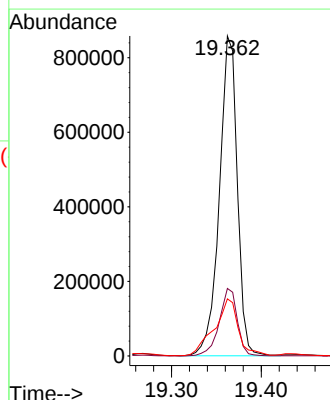
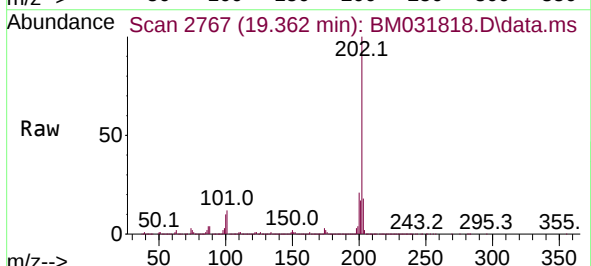
Tgt Ion:202 Resp: 1190597

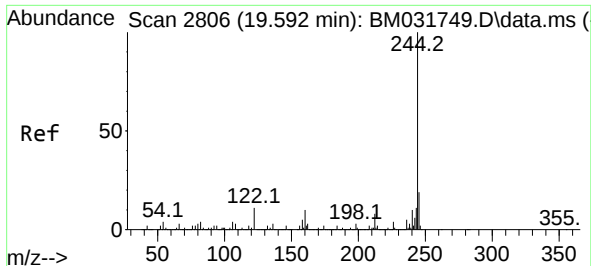
Ion Ratio Lower Upper

202 100

200 21.1 17.3 25.9

203 17.9 13.9 20.9

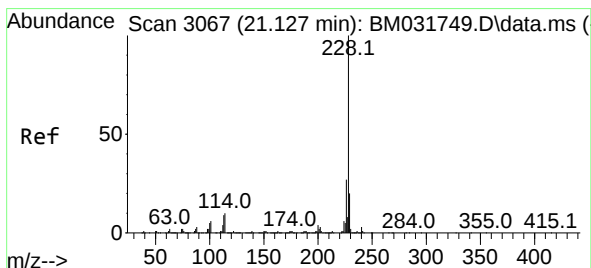
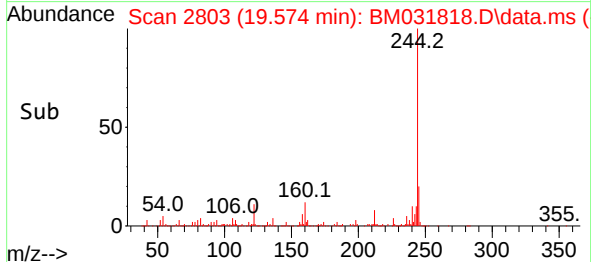
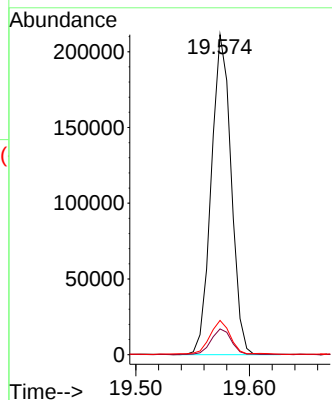
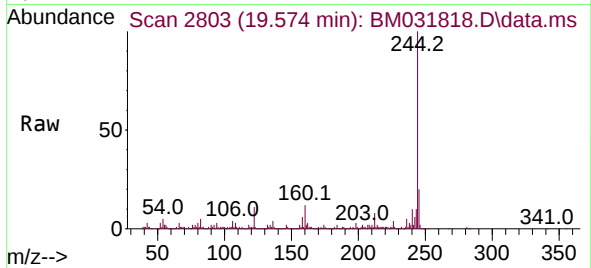




#79
 Terphenyl-d14
 Concen: 14.153 ng
 RT: 19.574 min Scan# 2803
 Delta R.T. -0.006 min
 Lab File: BM031818.D
 Acq: 18 Aug 2021 22:45

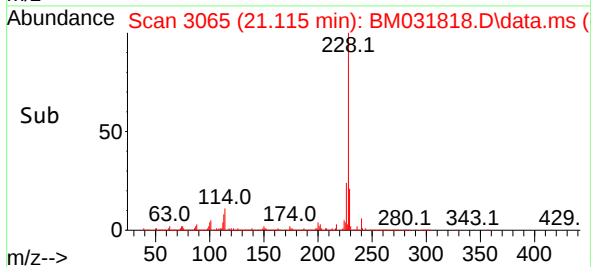
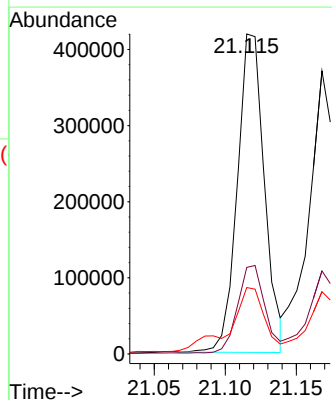
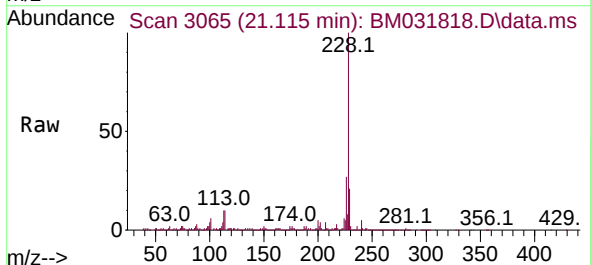
Instrument :
 BNA_M
 ClientSampleId :
 VNJ-215DL

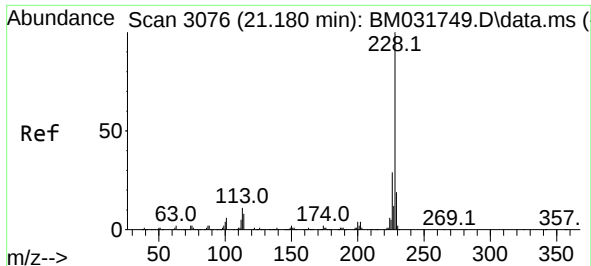
Tgt Ion:244 Resp: 257267
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.3 9.5
 122 10.7 6.9 10.3#



#81
 Benzo(a)anthracene
 Concen: 24.786 ng
 RT: 21.115 min Scan# 3065
 Delta R.T. -0.006 min
 Lab File: BM031818.D
 Acq: 18 Aug 2021 22:45

Tgt Ion:228 Resp: 556020
 Ion Ratio Lower Upper
 228 100
 226 27.1 22.3 33.5
 229 20.8 15.7 23.5

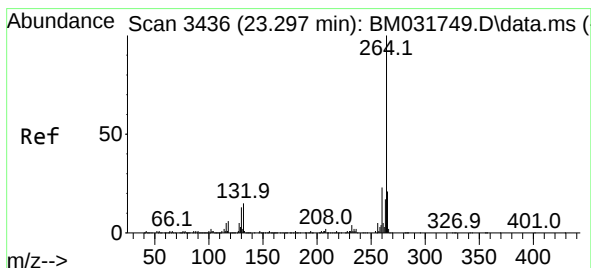
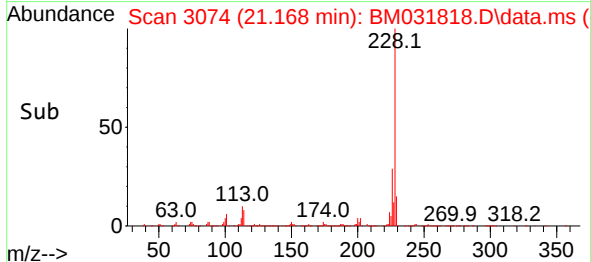
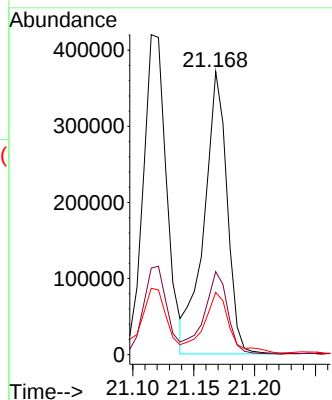
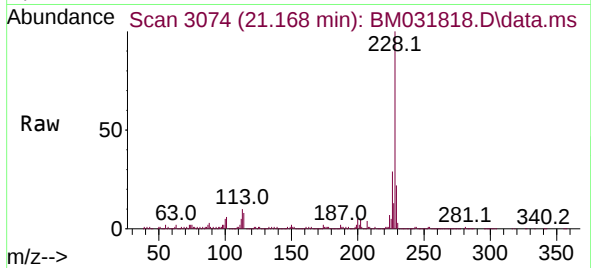




#83
Chrysene
Concen: 22.221 ng
RT: 21.168 min Scan# 3074
Delta R.T. -0.006 min
Lab File: BM031818.D
Acq: 18 Aug 2021 22:45

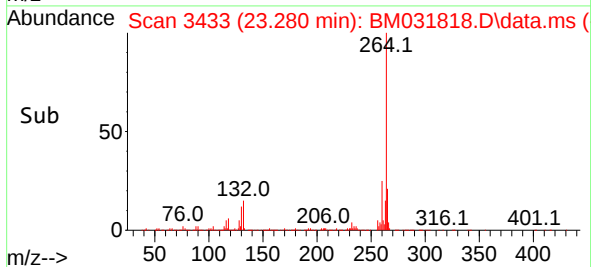
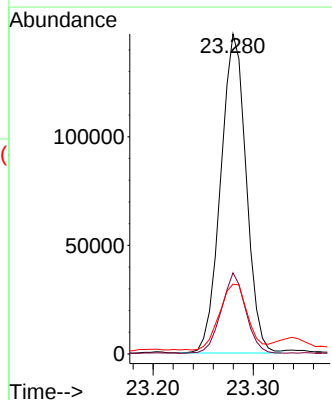
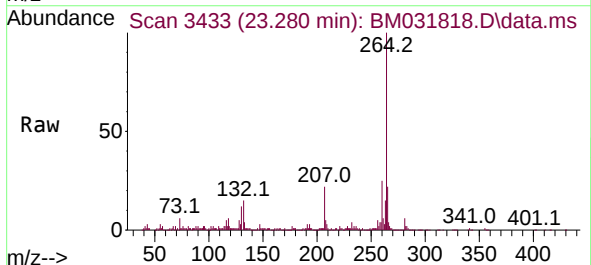
Instrument :
BNA_M
ClientSampleId :
VNJ-215DL

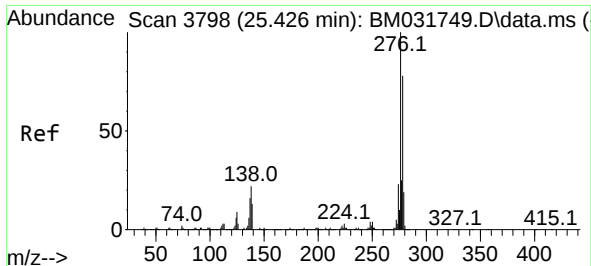
Tgt Ion:228	Resp: 485904
Ion Ratio	Lower Upper
228 100	
226 29.3	24.6 36.8
229 22.0	15.5 23.3



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.280 min Scan# 3433
Delta R.T. -0.000 min
Lab File: BM031818.D
Acq: 18 Aug 2021 22:45

Tgt Ion:264	Resp: 258691
Ion Ratio	Lower Upper
264 100	
260 25.4	19.8 29.8
265 21.8	17.7 26.5

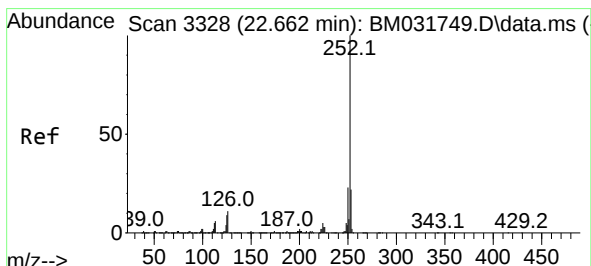
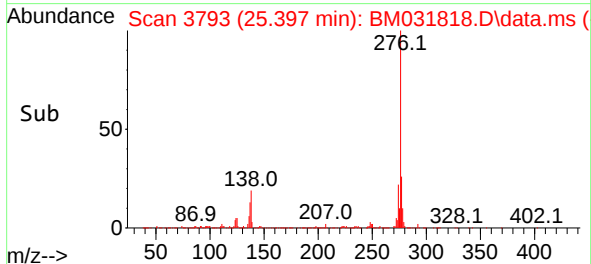
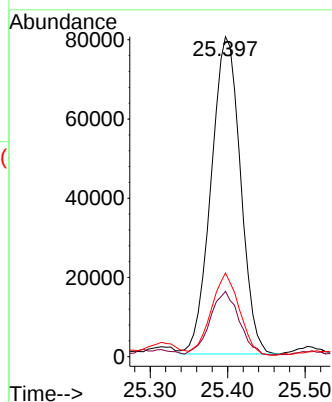
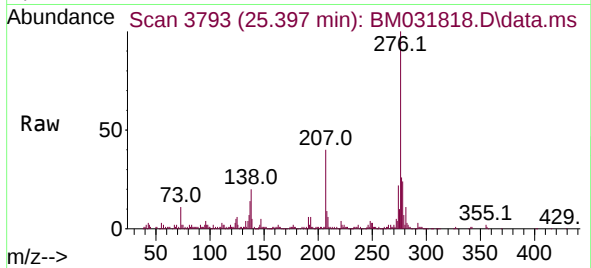




#87
Indeno(1,2,3-cd)pyrene
Concen: 11.557 ng
RT: 25.397 min Scan# 3793
Delta R.T. -0.012 min
Lab File: BM031818.D
Acq: 18 Aug 2021 22:45

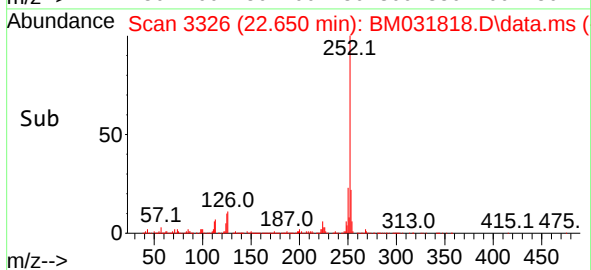
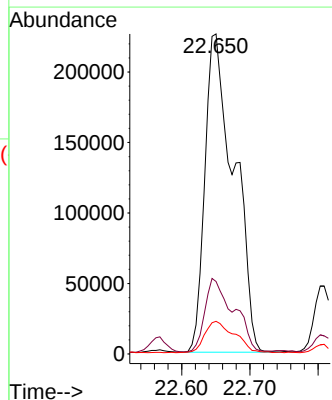
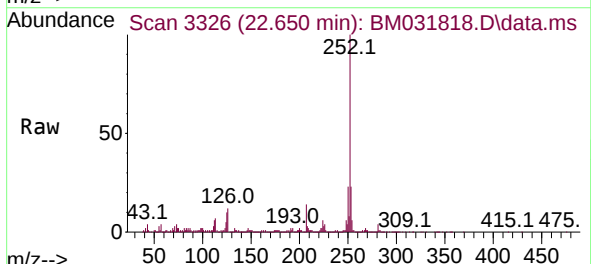
Instrument :
BNA_M
ClientSampleID :
VNJ-215DL

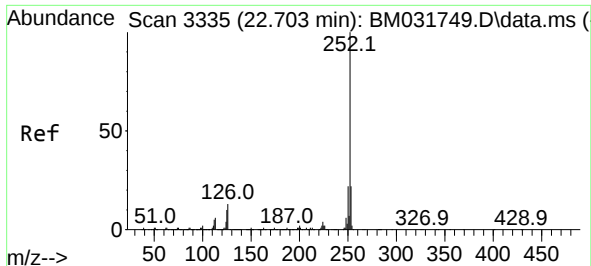
Tgt Ion:276 Resp: 210686
Ion Ratio Lower Upper
276 100
138 19.9 17.1 25.7
277 24.9 20.3 30.5



#88
Benzo(b)fluoranthene
Concen: 34.580 ng
RT: 22.650 min Scan# 3326
Delta R.T. 0.006 min
Lab File: BM031818.D
Acq: 18 Aug 2021 22:45

Tgt Ion:252 Resp: 671649
Ion Ratio Lower Upper
252 100
253 22.7 17.4 26.0
125 10.2 6.8 10.2#

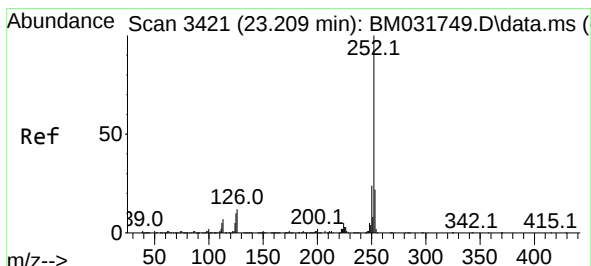
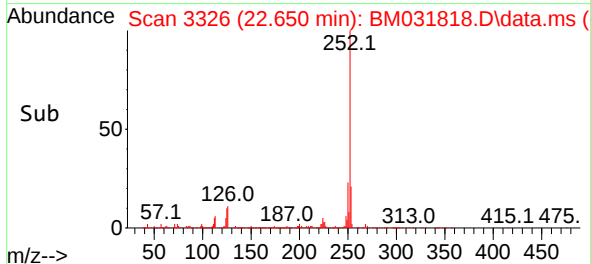
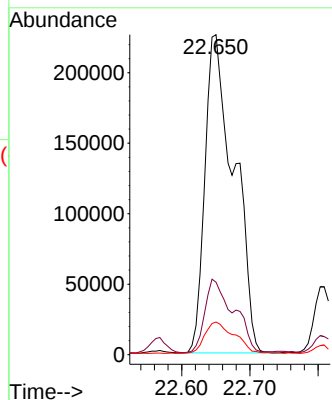
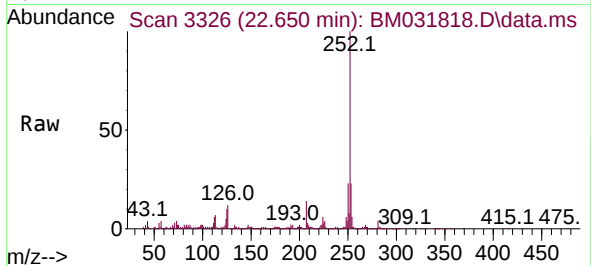




#89
Benzo(k)fluoranthene
Concen: 35.827 ng
RT: 22.650 min Scan# 3326
Delta R.T. -0.041 min
Lab File: BM031818.D
Acq: 18 Aug 2021 22:45

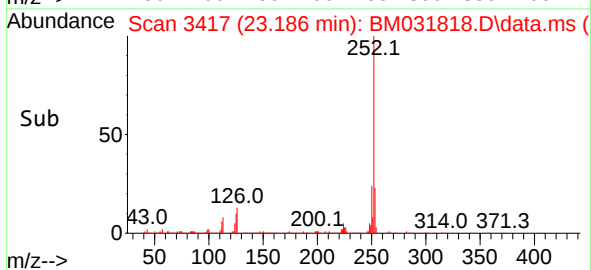
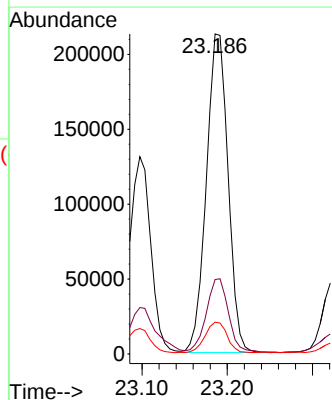
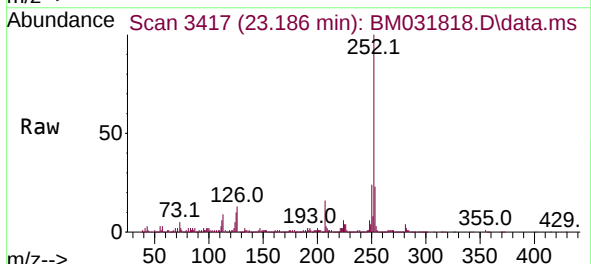
Instrument :
BNA_M
ClientSampleId :
VNJ-215DL

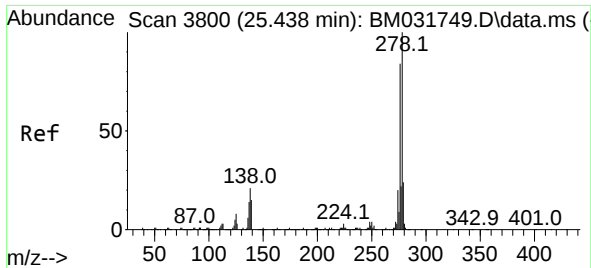
Tgt Ion:252 Resp: 671649
Ion Ratio Lower Upper
252 100
253 22.7 17.4 26.2
125 10.2 6.2 9.2#



#90
Benzo(a)pyrene
Concen: 21.919 ng
RT: 23.186 min Scan# 3417
Delta R.T. -0.006 min
Lab File: BM031818.D
Acq: 18 Aug 2021 22:45

Tgt Ion:252 Resp: 376932
Ion Ratio Lower Upper
252 100
253 23.2 17.7 26.5
125 9.9 7.3 10.9

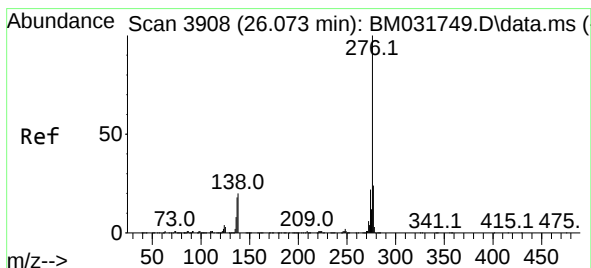
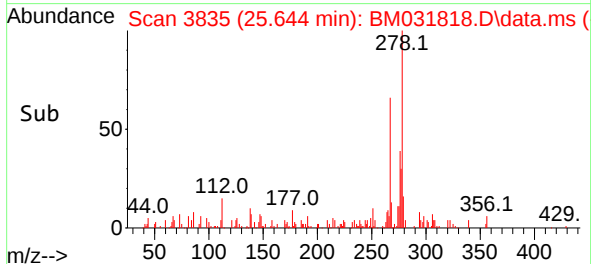
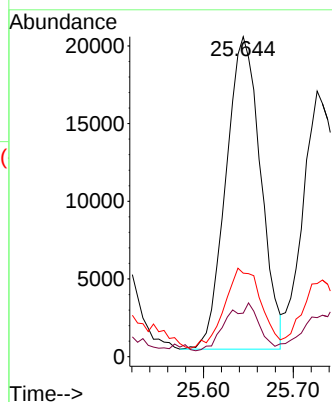
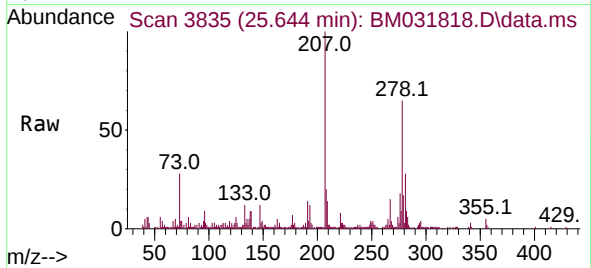




#91
Dibenzo(a,h)anthracene
Concen: 3.366 ng
RT: 25.644 min Scan# 3835
Delta R.T. 0.223 min
Lab File: BM031818.D
Acq: 18 Aug 2021 22:45

Instrument :
BNA_M
ClientSampleId :
VNJ-215DL

Tgt Ion:278 Resp: 53969
Ion Ratio Lower Upper
278 100
139 13.6 11.0 16.4
279 26.1 18.7 28.1



#92
Benzo(g,h,i)perylene
Concen: 13.078 ng
RT: 26.044 min Scan# 3903
Delta R.T. -0.006 min
Lab File: BM031818.D
Acq: 18 Aug 2021 22:45

Tgt Ion:276 Resp: 190944
Ion Ratio Lower Upper
276 100
277 23.7 19.4 29.2
138 18.8 14.4 21.6

