

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082021\
 Data File : BM031849.D
 Acq On : 20 Aug 2021 19:41
 Operator : CG/JU
 Sample : M3398-17
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SWCS-04-0205

Quant Time: Aug 21 04:25:19 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)

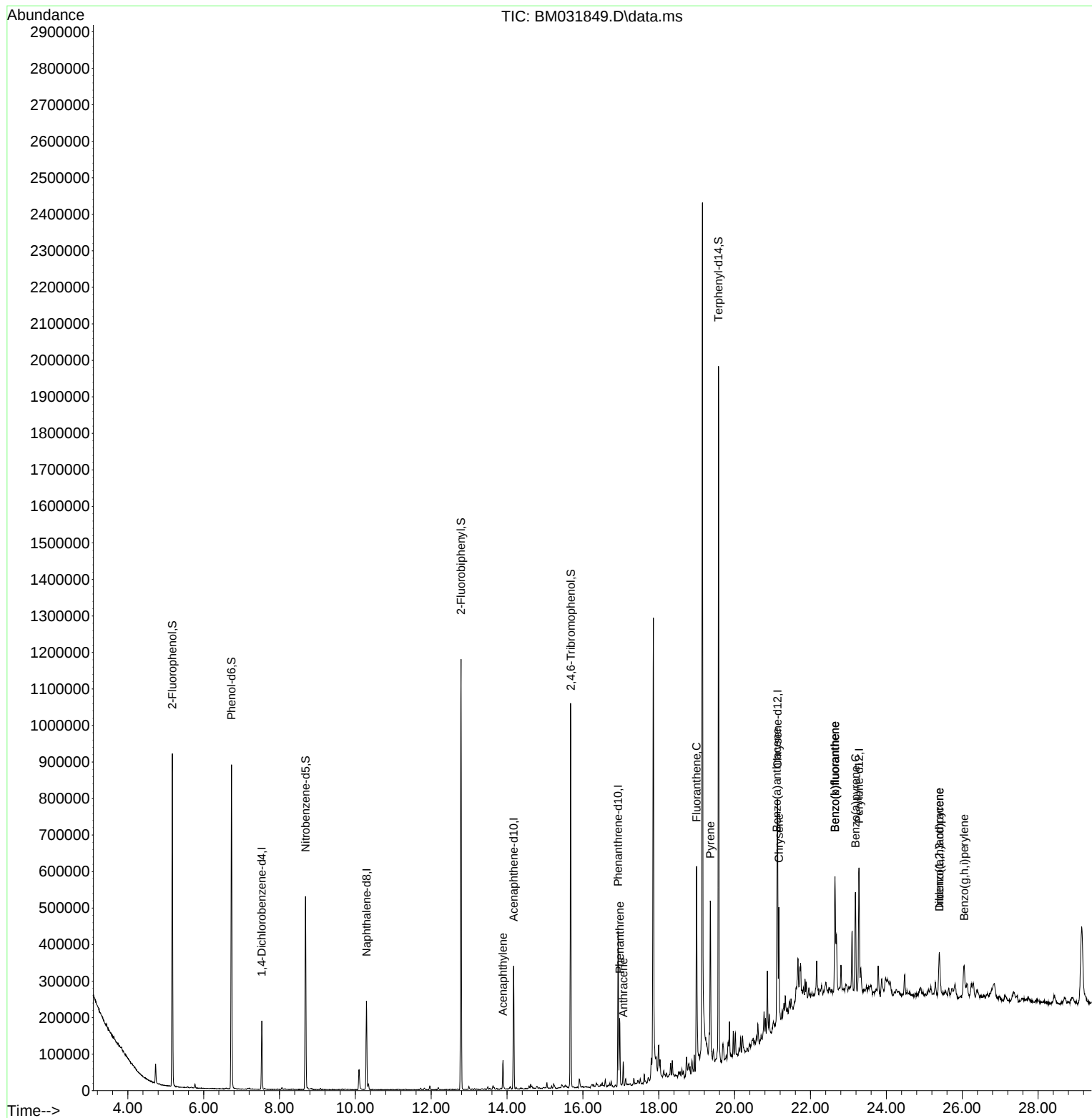
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.534	152	42674	20.000	ng	0.00
21) Naphthalene-d8	10.293	136	176269	20.000	ng	# 0.00
39) Acenaphthene-d10	14.175	164	108003	20.000	ng	0.00
64) Phenanthrene-d10	16.927	188	215589	20.000	ng	# 0.00
76) Chrysene-d12	21.133	240	197648	20.000	ng	0.00
86) Perylene-d12	23.280	264	198776	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.175	112	325200	122.310	ng	0.00
7) Phenol-d6	6.734	99	402817	104.554	ng	0.00
23) Nitrobenzene-d5	8.687	82	282668	67.145	ng	0.00
42) 2,4,6-Tribromophenol	15.680	330	131213	98.642	ng	0.00
45) 2-Fluorobiphenyl	12.787	172	524508	64.640	ng	0.00
79) Terphenyl-d14	19.574	244	727306	62.000	ng	0.00
Target Compounds						
						Qvalue
49) Acenaphthylene	13.892	152	54367	4.977	ng	99
71) Phenanthrene	16.969	178	103654	7.883	ng	99
72) Anthracene	17.063	178	34219	2.655	ng	99
75) Fluoranthene	18.998	202	277381	17.613	ng	99
78) Pyrene	19.363	202	251250	17.547	ng	99
81) Benzo(a)anthracene	21.115	228	151726	10.480	ng	94
83) Chrysene	21.168	228	149617	10.602	ng	97
87) Indeno(1,2,3-cd)pyrene	25.397	276	98755	7.050	ng	98
88) Benzo(b)fluoranthene	22.645	252	266625	17.865	ng	# 96
89) Benzo(k)fluoranthene	22.645	252	266625	18.509	ng	# 96
90) Benzo(a)pyrene	23.186	252	140638	10.643	ng	# 96
91) Dibenzo(a,h)anthracene	25.403	278	26664	2.164	ng	# 86
92) Benzo(g,h,i)perylene	26.050	276	94181	8.395	ng	96

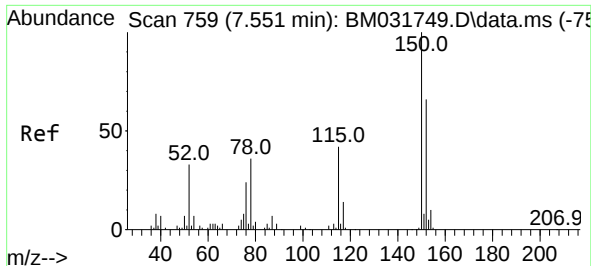
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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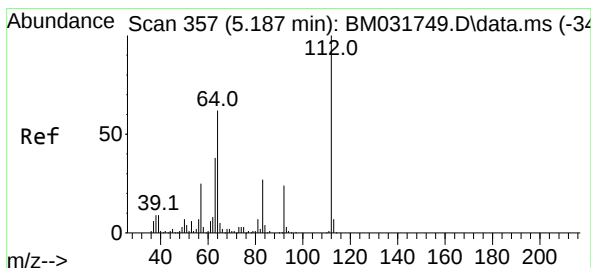
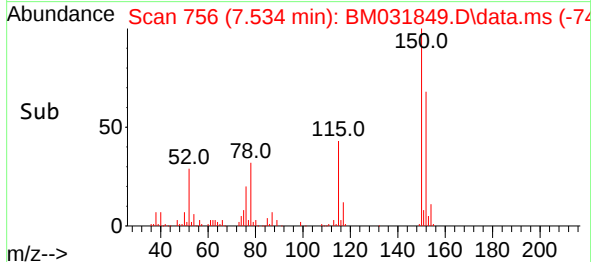
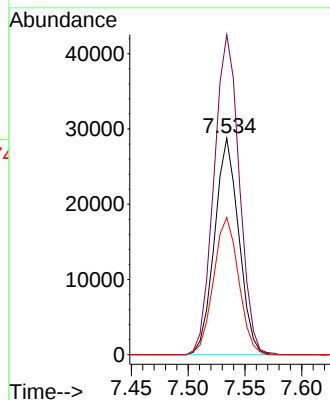
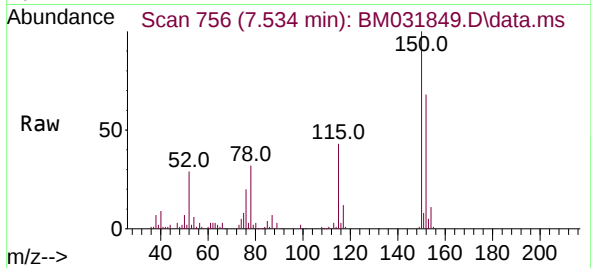




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.534 min Scan# 756
Delta R.T. -0.006 min
Lab File: BM031849.D
Acq: 20 Aug 2021 19:41

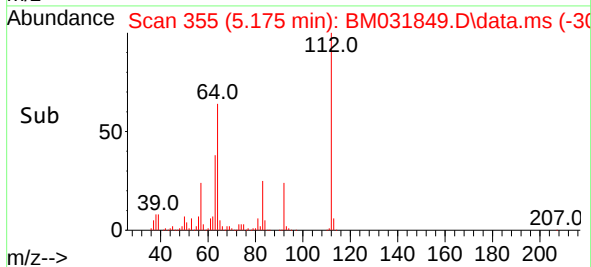
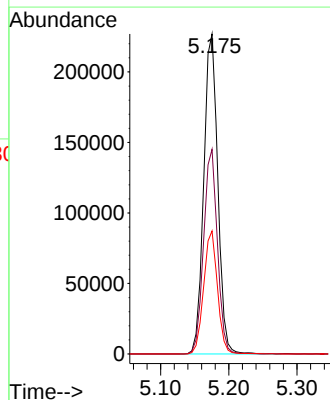
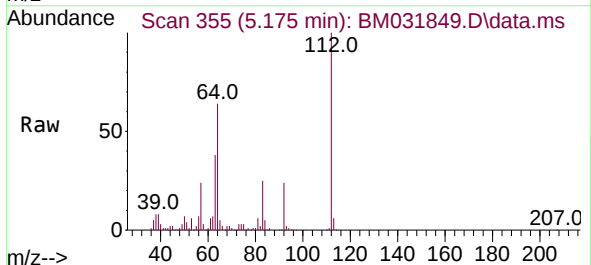
Instrument :
BNA_M
ClientSampleId :
SWCS-04-0205

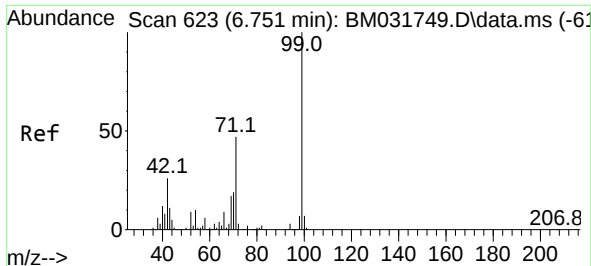
Tgt Ion:152 Resp: 42674
Ion Ratio Lower Upper
152 100
150 147.8 125.9 188.9
115 63.3 44.6 67.0



#5
2-Fluorophenol
Concen: 122.310 ng
RT: 5.175 min Scan# 355
Delta R.T. 0.000 min
Lab File: BM031849.D
Acq: 20 Aug 2021 19:41

Tgt Ion:112 Resp: 325200
Ion Ratio Lower Upper
112 100
64 63.9 47.1 70.7
63 38.5 27.3 40.9

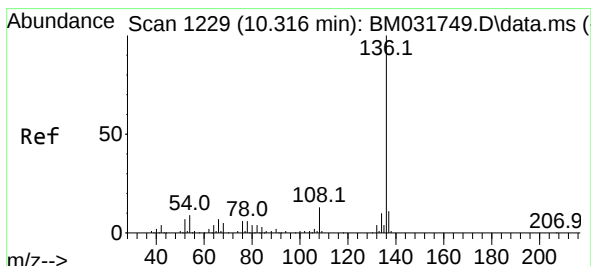
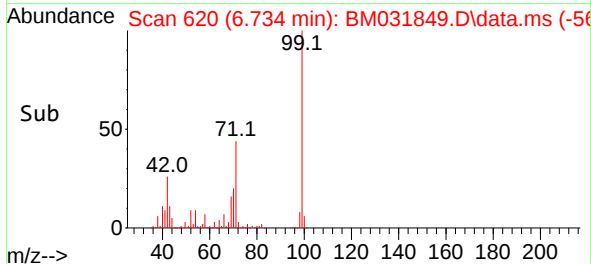
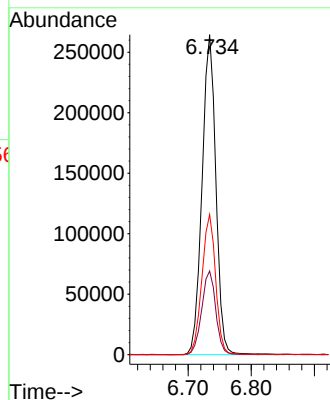
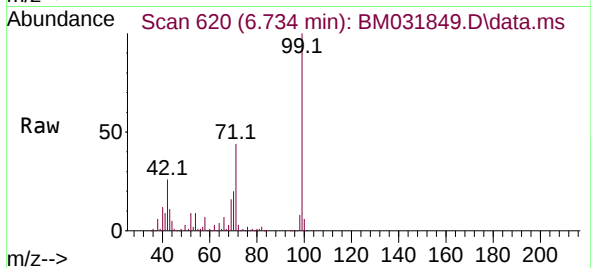




#7
Phenol-d6
Concen: 104.554 ng
RT: 6.734 min Scan# 620
Delta R.T. 0.000 min
Lab File: BM031849.D
Acq: 20 Aug 2021 19:41

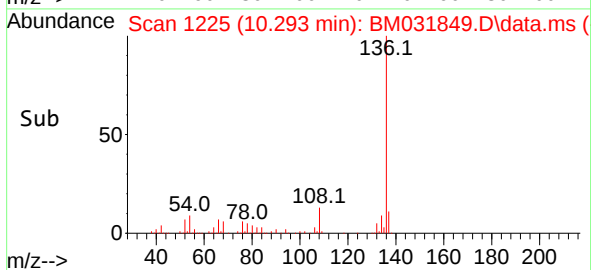
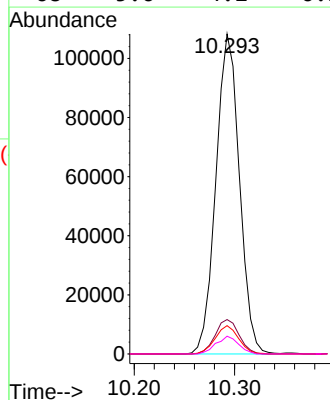
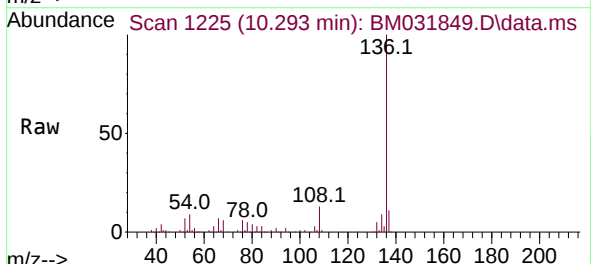
Instrument :
BNA_M
ClientSampleId :
SWCS-04-0205

Tgt Ion:	99	Resp:	402817
Ion	Ratio	Lower	Upper
99	100		
42	26.2	18.0	27.0
71	43.8	30.9	46.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.293 min Scan# 1225
Delta R.T. -0.006 min
Lab File: BM031849.D
Acq: 20 Aug 2021 19:41

Tgt Ion:	136	Resp:	176269
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.4	12.6
54	8.9	5.5	8.3#
68	5.6	4.2	6.2

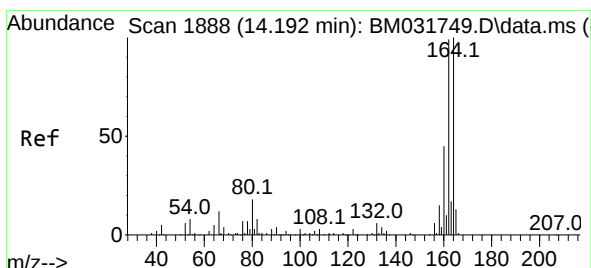
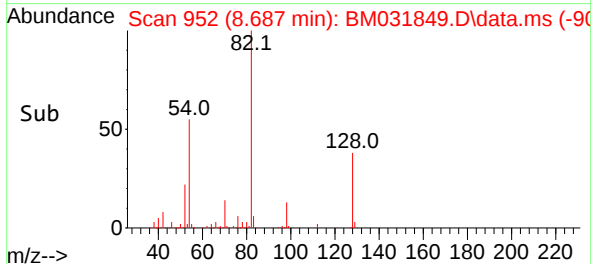
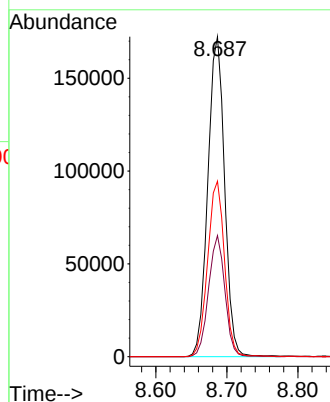
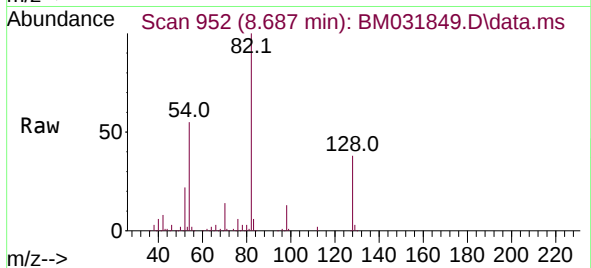




#23
Nitrobenzene-d5
Concen: 67.145 ng
RT: 8.687 min Scan# 952
Delta R.T. -0.006 min
Lab File: BM031849.D
Acq: 20 Aug 2021 19:41

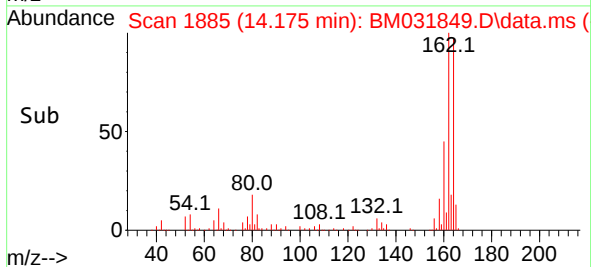
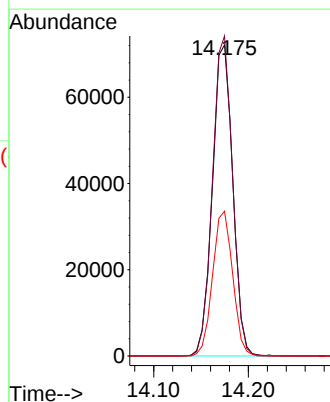
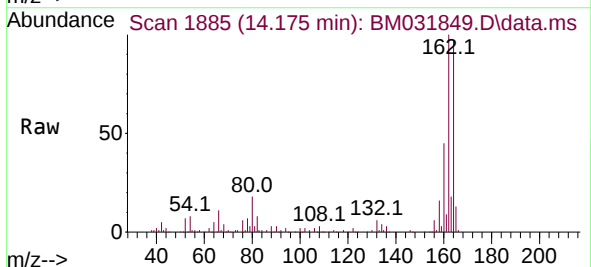
Instrument :
BNA_M
ClientSampleId :
SWCS-04-0205

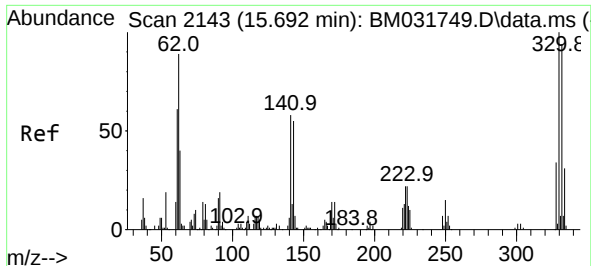
Tgt Ion: 82 Resp: 282668
Ion Ratio Lower Upper
82 100
128 37.8 31.1 46.7
54 54.8 37.3 55.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.175 min Scan# 1885
Delta R.T. -0.006 min
Lab File: BM031849.D
Acq: 20 Aug 2021 19:41

Tgt Ion: 164 Resp: 108003
Ion Ratio Lower Upper
164 100
162 102.9 83.4 125.0
160 46.6 37.2 55.8

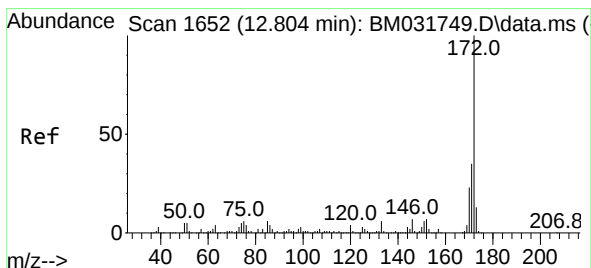
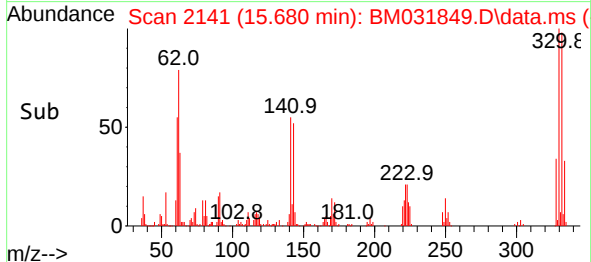
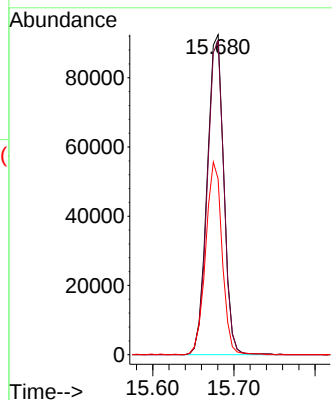
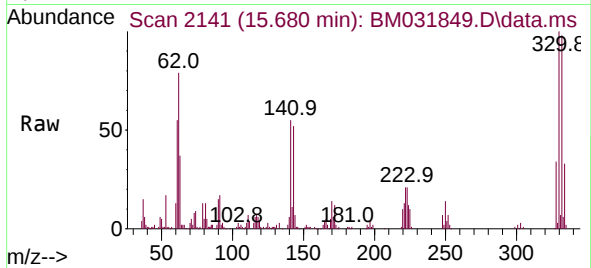




#42
2,4,6-Tribromophenol
Concen: 98.642 ng
RT: 15.680 min Scan# 2141
Delta R.T. 0.000 min
Lab File: BM031849.D
Acq: 20 Aug 2021 19:41

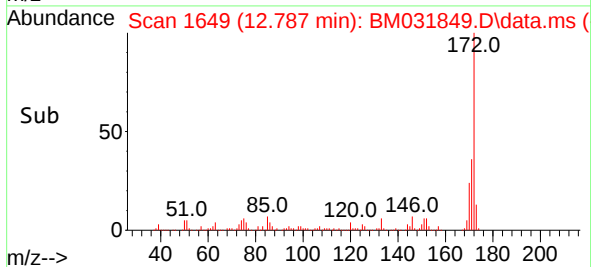
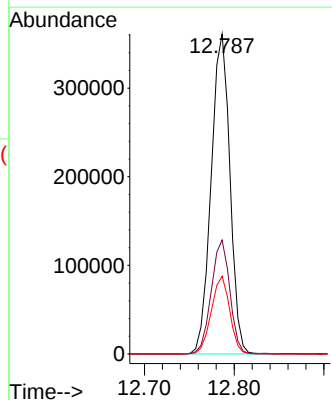
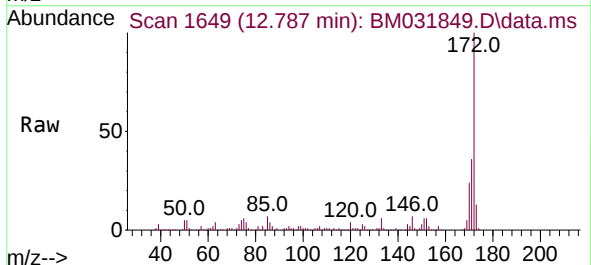
Instrument :
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ClientSampleId :
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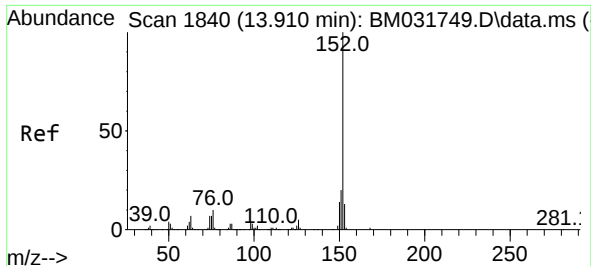
Tgt Ion:330 Resp: 131213
Ion Ratio Lower Upper
330 100
332 97.4 77.0 115.4
141 59.7 30.2 45.2#



#45
2-Fluorobiphenyl
Concen: 64.640 ng
RT: 12.787 min Scan# 1649
Delta R.T. -0.006 min
Lab File: BM031849.D
Acq: 20 Aug 2021 19:41

Tgt Ion:172 Resp: 524508
Ion Ratio Lower Upper
172 100
171 35.6 28.6 43.0
170 24.3 18.4 27.6

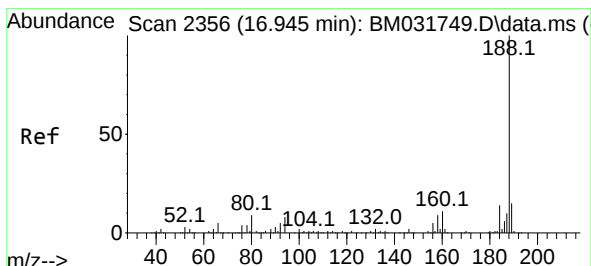
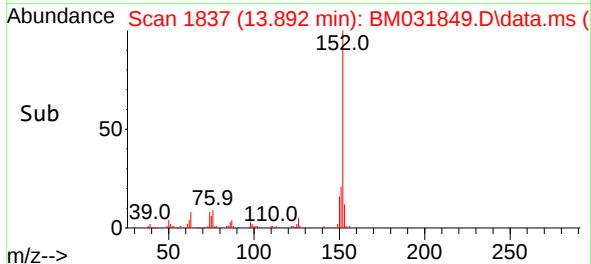
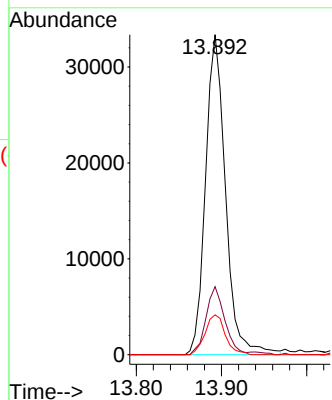
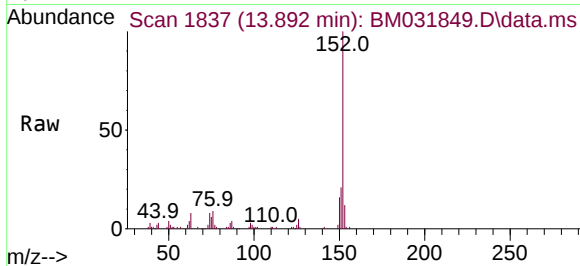




#49
Acenaphthylene
Concen: 4.977 ng
RT: 13.892 min Scan# 1837
Delta R.T. -0.006 min
Lab File: BM031849.D
Acq: 20 Aug 2021 19:41

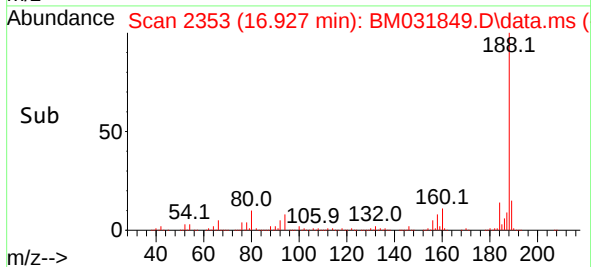
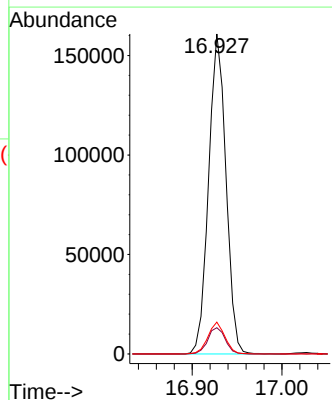
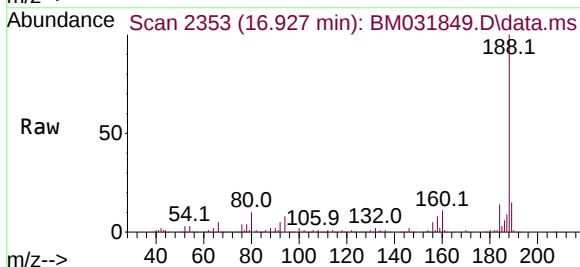
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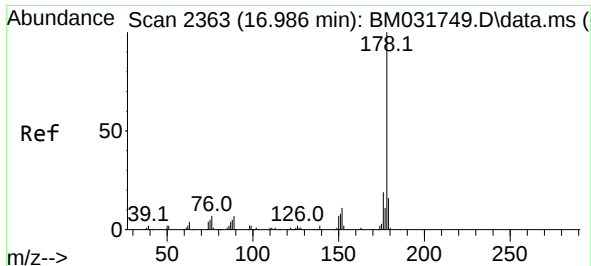
Tgt Ion:152	Resp:	54367
Ion Ratio	Lower	Upper
152	100	
151	21.2	16.3 24.5
153	12.4	10.2 15.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.927 min Scan# 2353
Delta R.T. -0.006 min
Lab File: BM031849.D
Acq: 20 Aug 2021 19:41

Tgt Ion:188	Resp:	215589
Ion Ratio	Lower	Upper
188	100	
94	8.2	6.0 9.0
80	10.0	6.6 9.8#

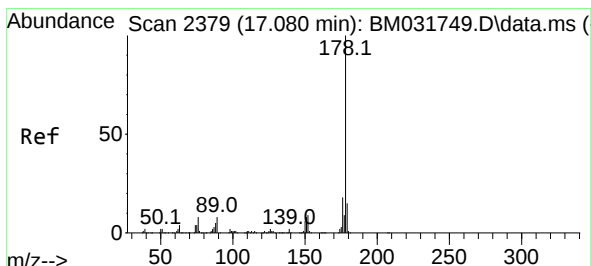
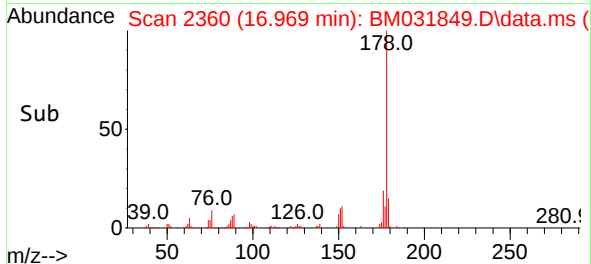
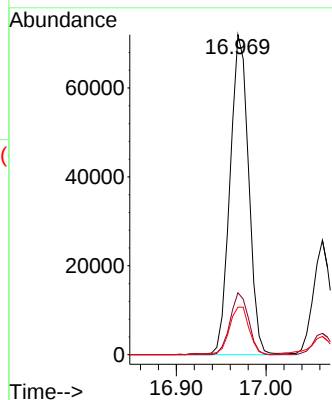
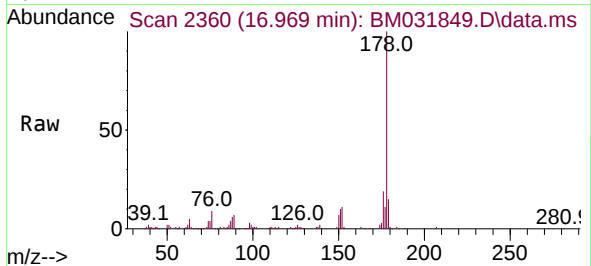




#71
Phenanthrene
Concen: 7.883 ng
RT: 16.969 min Scan# 2360
Delta R.T. -0.006 min
Lab File: BM031849.D
Acq: 20 Aug 2021 19:41

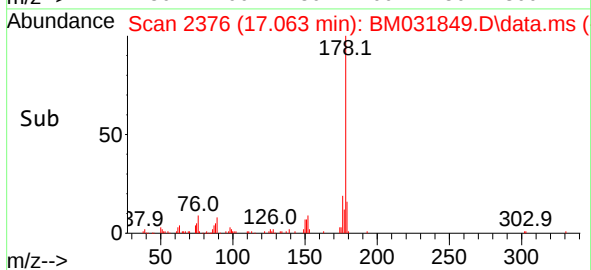
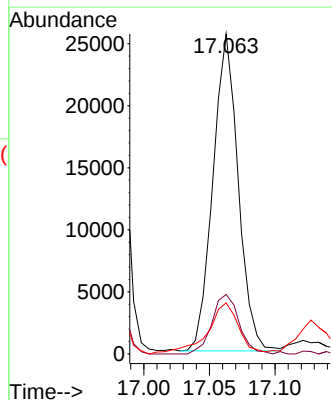
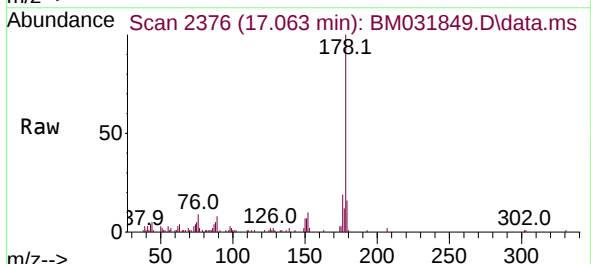
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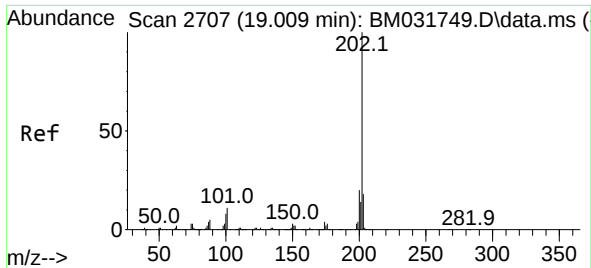
Tgt Ion:178 Resp: 103654
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.0
179 14.9 12.2 18.4



#72
Anthracene
Concen: 2.655 ng
RT: 17.063 min Scan# 2376
Delta R.T. -0.006 min
Lab File: BM031849.D
Acq: 20 Aug 2021 19:41

Tgt Ion:178 Resp: 34219
Ion Ratio Lower Upper
178 100
176 18.6 15.0 22.4
179 16.0 12.5 18.7

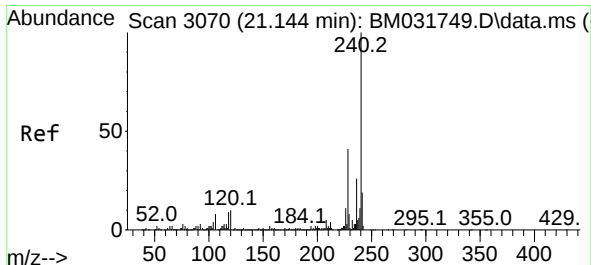
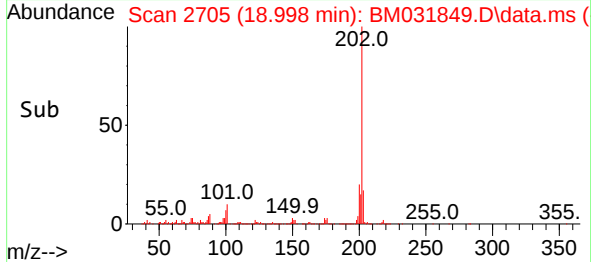
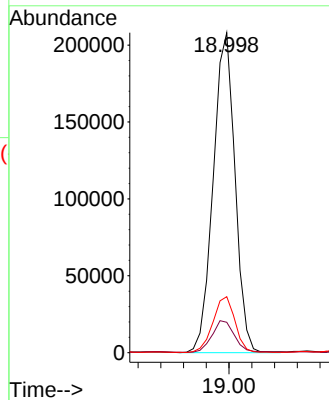
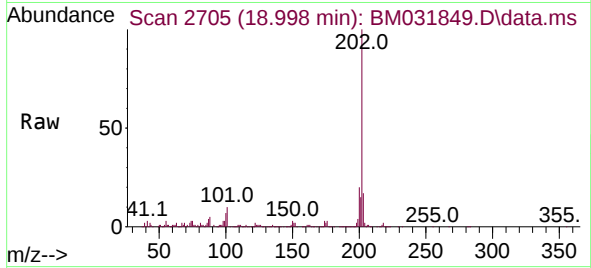




#75
Fluoranthene
Concen: 17.613 ng
RT: 18.998 min Scan# 2705
Delta R.T. 0.000 min
Lab File: BM031849.D
Acq: 20 Aug 2021 19:41

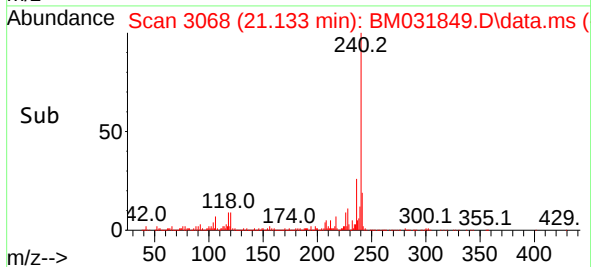
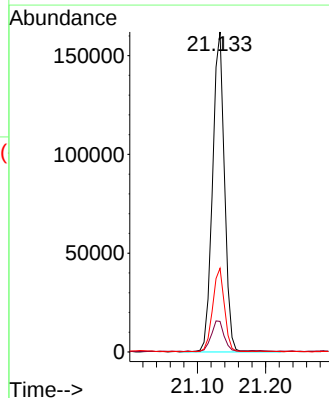
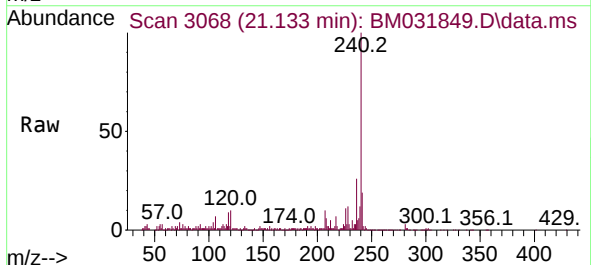
Instrument :
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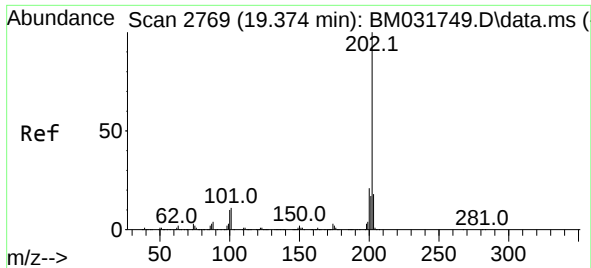
Tgt Ion:202 Resp: 277381
Ion Ratio Lower Upper
202 100
101 9.5 0.0 28.6
203 17.5 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.133 min Scan# 3068
Delta R.T. 0.000 min
Lab File: BM031849.D
Acq: 20 Aug 2021 19:41

Tgt Ion:240 Resp: 197648
Ion Ratio Lower Upper
240 100
120 9.6 7.0 10.6
236 26.1 21.0 31.4



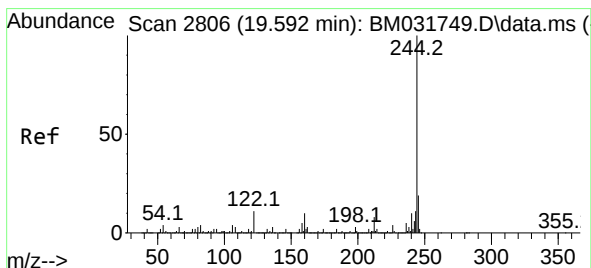
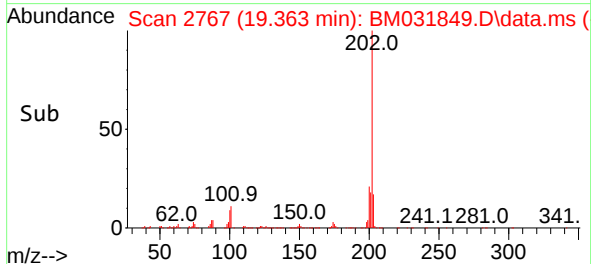
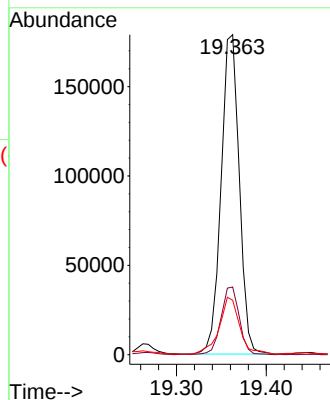
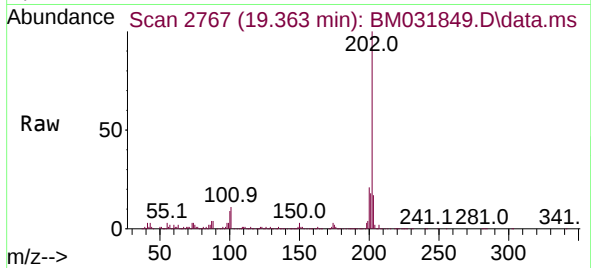


#78
Pyrene
Concen: 17.547 ng
RT: 19.363 min Scan# 2767
Delta R.T. 0.000 min
Lab File: BM031849.D
Acq: 20 Aug 2021 19:41

Instrument :
BNA_M
ClientSampleId :
SWCS-04-0205

Tgt Ion:202 Resp: 251250

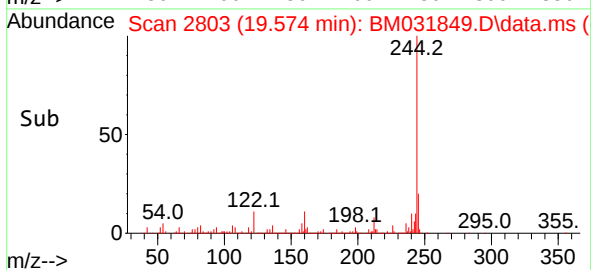
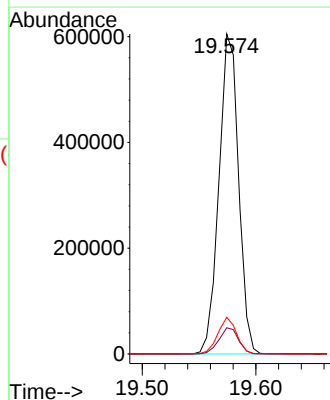
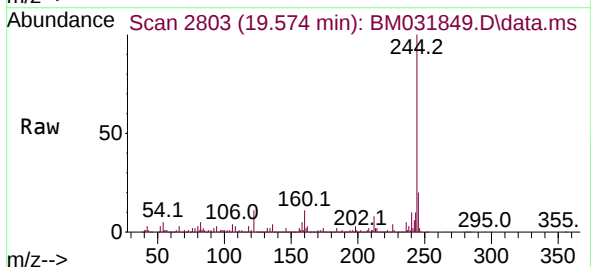
Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.3	25.9
203	17.0	13.9	20.9

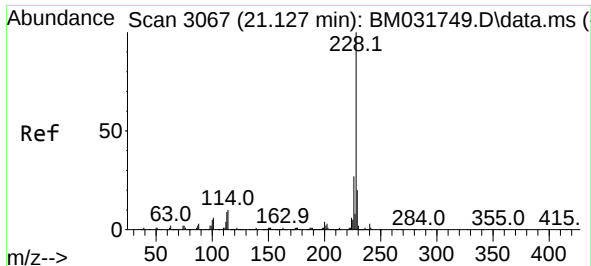


#79
Terphenyl-d14
Concen: 62.000 ng
RT: 19.574 min Scan# 2803
Delta R.T. -0.006 min
Lab File: BM031849.D
Acq: 20 Aug 2021 19:41

Tgt Ion:244 Resp: 727306

Ion	Ratio	Lower	Upper
244	100		
212	8.2	6.3	9.5
122	11.5	6.9	10.3

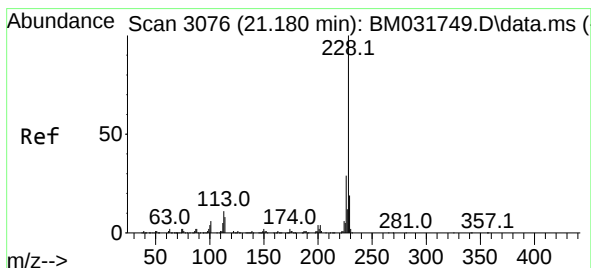
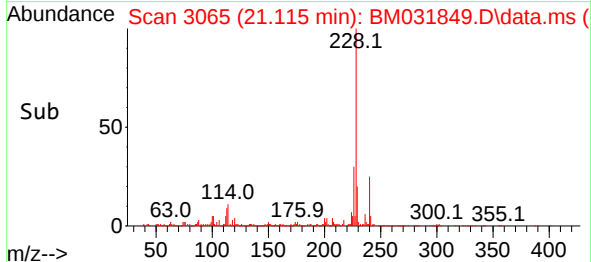
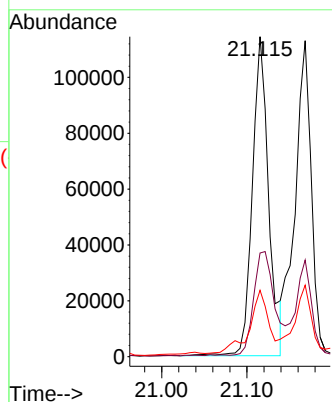
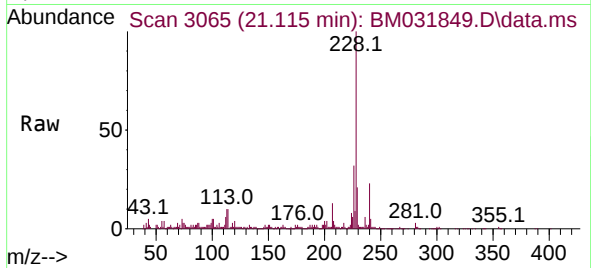




#81
Benzo(a)anthracene
Concen: 10.480 ng
RT: 21.115 min Scan# 3065
Delta R.T. -0.006 min
Lab File: BM031849.D
Acq: 20 Aug 2021 19:41

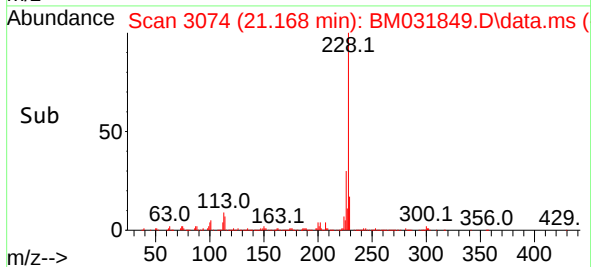
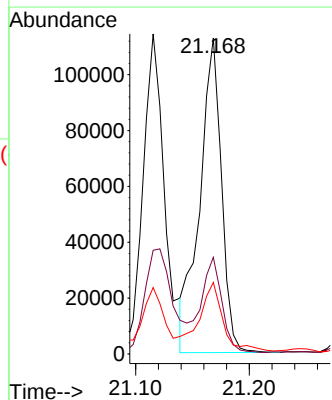
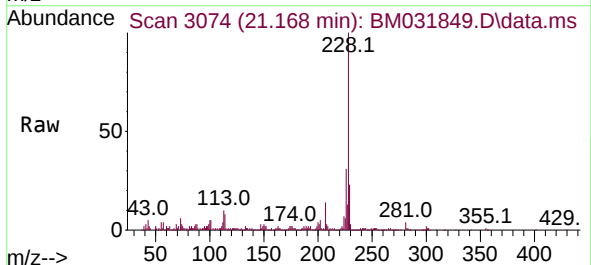
Instrument :
BNA_M
ClientSampleId :
SWCS-04-0205

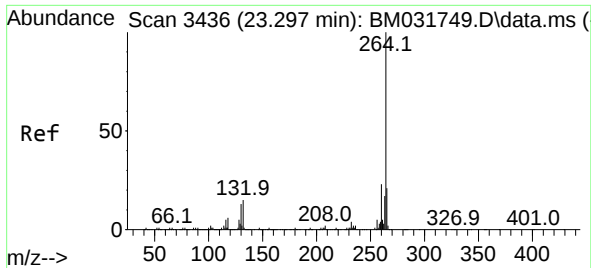
Tgt Ion:228 Resp: 151726
Ion Ratio Lower Upper
228 100
226 32.4 22.3 33.5
229 20.7 15.7 23.5



#83
Chrysene
Concen: 10.602 ng
RT: 21.168 min Scan# 3074
Delta R.T. -0.006 min
Lab File: BM031849.D
Acq: 20 Aug 2021 19:41

Tgt Ion:228 Resp: 149617
Ion Ratio Lower Upper
228 100
226 30.6 24.6 36.8
229 22.6 15.5 23.3

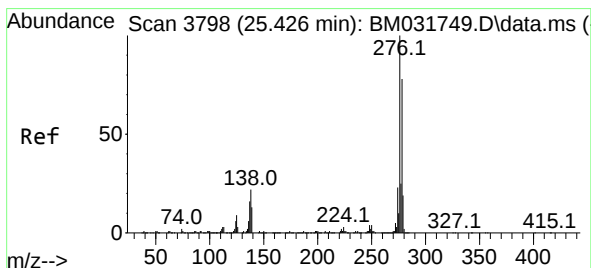
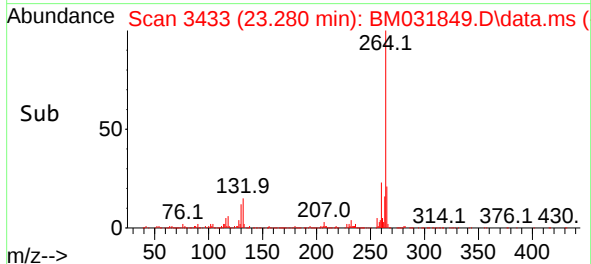
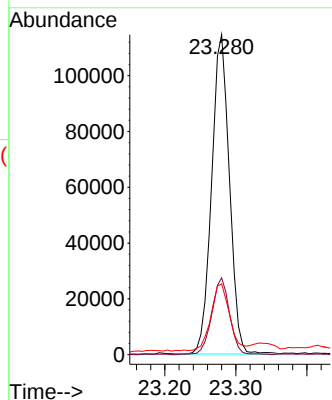
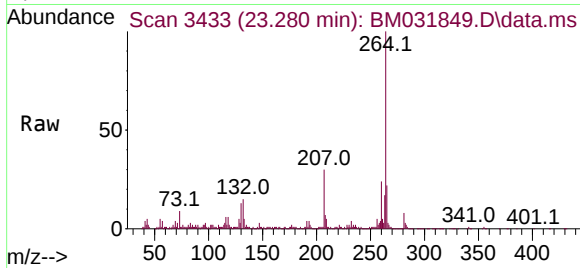




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.280 min Scan# 3433
 Delta R.T. 0.000 min
 Lab File: BM031849.D
 Acq: 20 Aug 2021 19:41

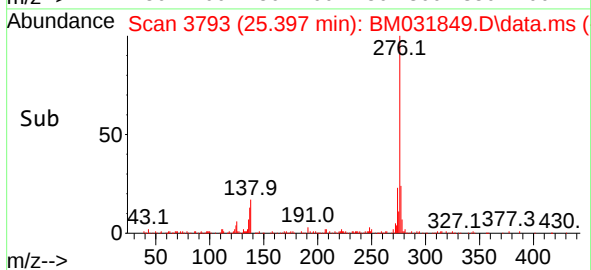
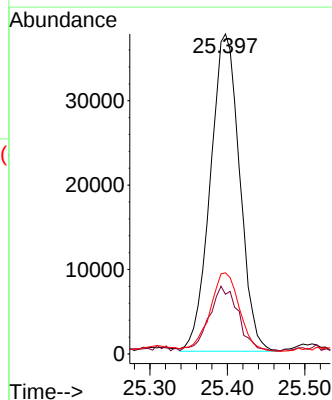
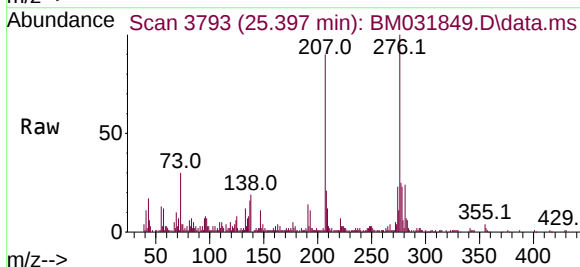
Instrument :
 BNA_M
 ClientSampleId :
 SWCS-04-0205

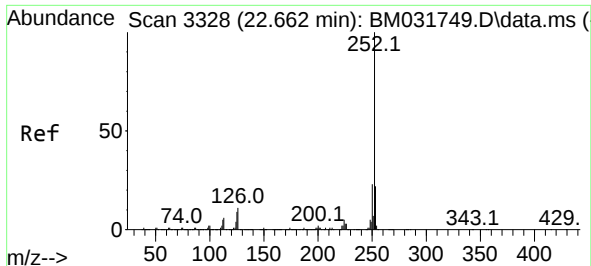
Tgt Ion:264	Resp:	198776
Ion Ratio	Lower	Upper
264	100	
260	24.0	19.8 29.8
265	22.1	17.7 26.5



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 7.050 ng
 RT: 25.397 min Scan# 3793
 Delta R.T. -0.011 min
 Lab File: BM031849.D
 Acq: 20 Aug 2021 19:41

Tgt Ion:276	Resp:	98755
Ion Ratio	Lower	Upper
276	100	
138	20.0	17.1 25.7
277	25.0	20.3 30.5

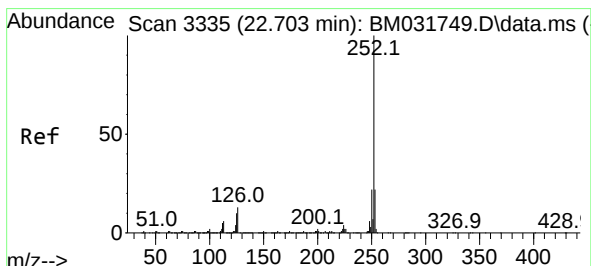
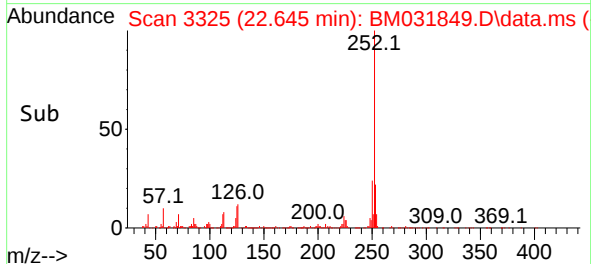
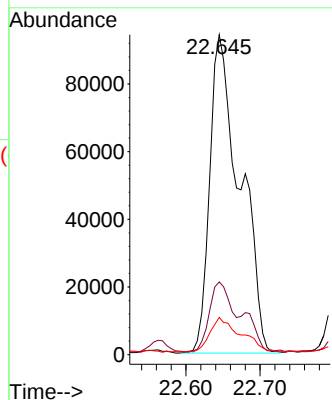
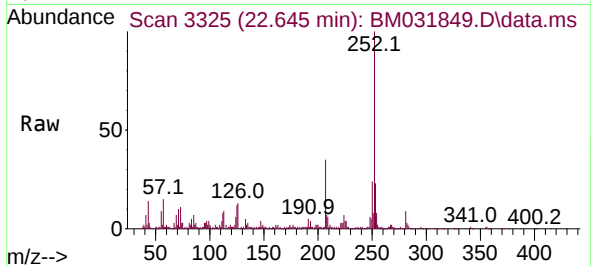




#88
Benzo(b)fluoranthene
Concen: 17.865 ng
RT: 22.645 min Scan# 3325
Delta R.T. 0.000 min
Lab File: BM031849.D
Acq: 20 Aug 2021 19:41

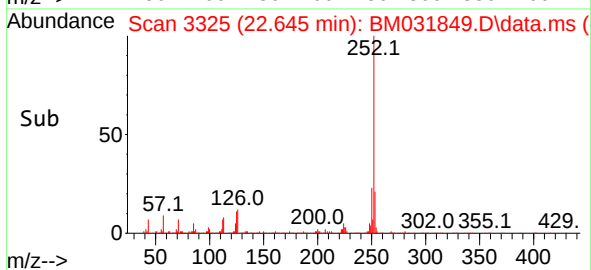
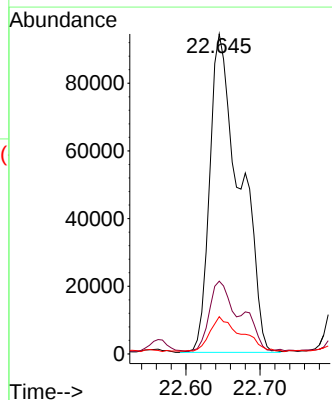
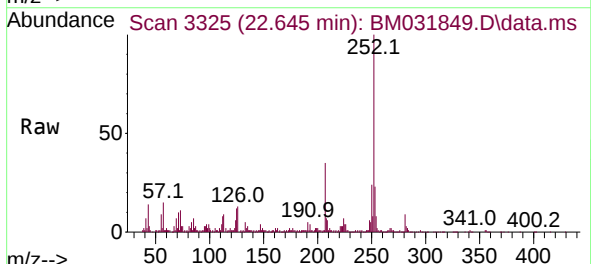
Instrument :
BNA_M
ClientSampleId :
SWCS-04-0205

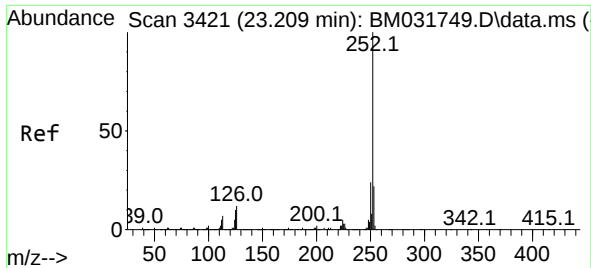
Tgt Ion:252 Resp: 266625
Ion Ratio Lower Upper
252 100
253 22.7 17.4 26.0
125 11.7 6.8 10.2#



#89
Benzo(k)fluoranthene
Concen: 18.509 ng
RT: 22.645 min Scan# 3325
Delta R.T. -0.047 min
Lab File: BM031849.D
Acq: 20 Aug 2021 19:41

Tgt Ion:252 Resp: 266625
Ion Ratio Lower Upper
252 100
253 22.7 17.4 26.2
125 11.7 6.2 9.2#

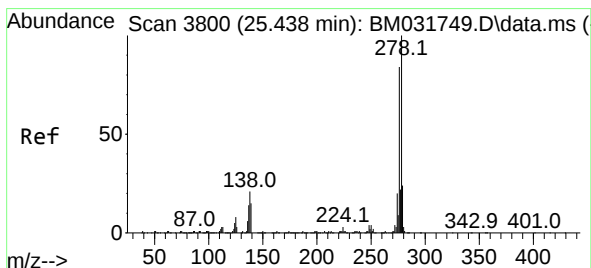
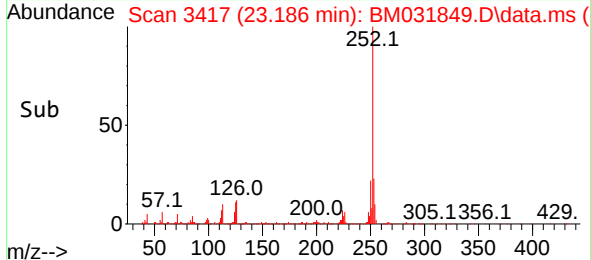
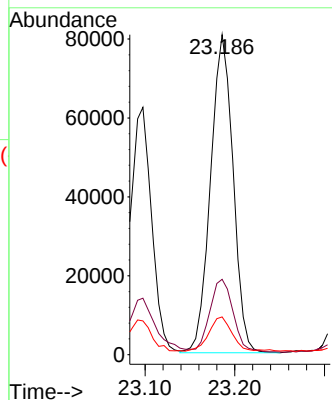
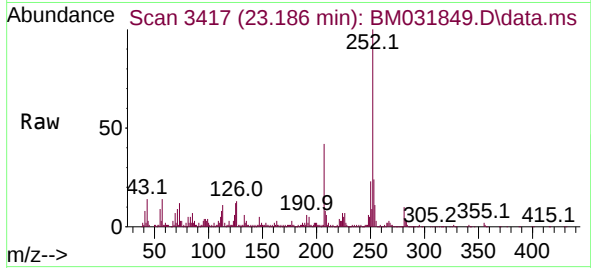




#90
Benzo(a)pyrene
Concen: 10.643 ng
RT: 23.186 min Scan# 3417
Delta R.T. -0.006 min
Lab File: BM031849.D
Acq: 20 Aug 2021 19:41

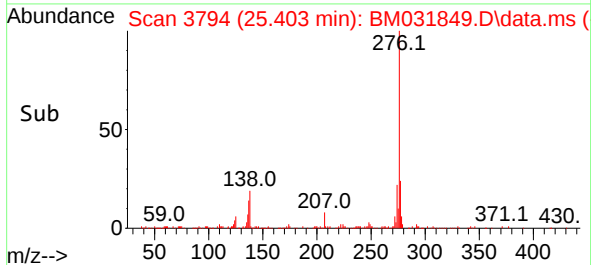
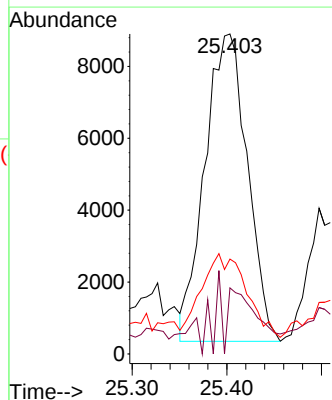
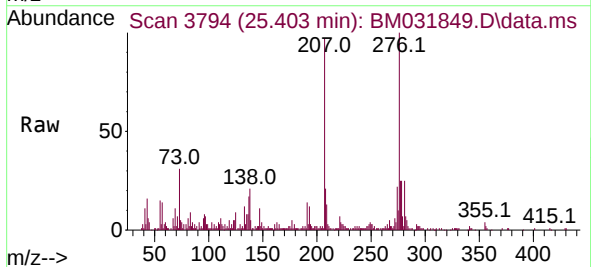
Instrument :
BNA_M
ClientSampleId :
SWCS-04-0205

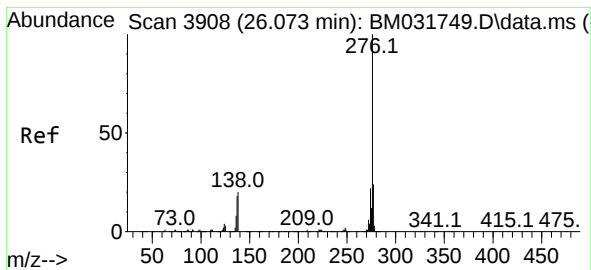
Tgt Ion:252 Resp: 140638
Ion Ratio Lower Upper
252 100
253 23.6 17.7 26.5
125 11.8 7.3 10.9#



#91
Dibenzo(a,h)anthracene
Concen: 2.164 ng
RT: 25.403 min Scan# 3794
Delta R.T. -0.017 min
Lab File: BM031849.D
Acq: 20 Aug 2021 19:41

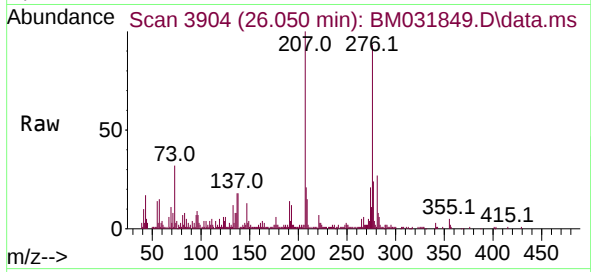
Tgt Ion:278 Resp: 26664
Ion Ratio Lower Upper
278 100
139 20.7 11.0 16.4#
279 29.7 18.7 28.1#





#92
 Benzo(g,h,i)perylene
 Concen: 8.395 ng
 RT: 26.050 min Scan# 3904
 Delta R.T. 0.000 min
 Lab File: BM031849.D
 Acq: 20 Aug 2021 19:41

Instrument :
 BNA_M
 ClientSampleId :
 SWCS-04-0205



Tgt Ion:	276	Resp:	94181
Ion Ratio	Lower	Upper	
276	100		
277	26.1	19.4	29.2
138	19.6	14.4	21.6

