

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031121\
 Data File : BM029103.D
 Acq On : 11 Mar 2021 20:13
 Operator : CG/JU
 Sample : M1642-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 2

Instrument :
 BNA_M
 ClientSampleId :
 CSB-4-15-15.5-BGS

Quant Time: Mar 16 13:12:35 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM022321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 12 12:30:15 2021
 Response via : Initial Calibration

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

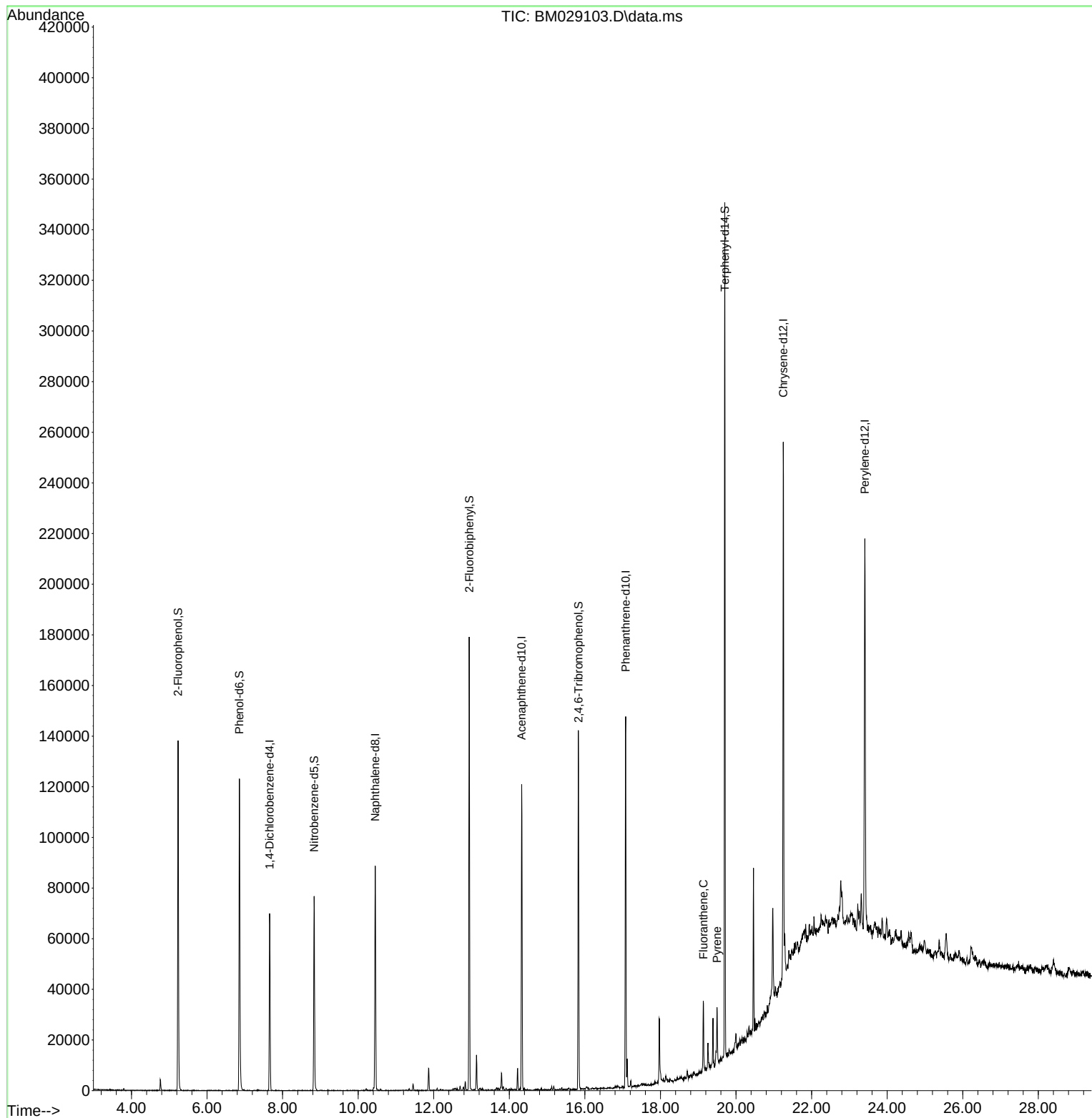
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.657	152	18083	40.00	ng	0.04
21) Naphthalene-d8	10.451	136	67796	40.00	ng	# 0.04
39) Acenaphthene-d10	14.327	164	38820	40.00	ng	0.03
64) Phenanthrene-d10	17.080	188	81728	40.00	ng	0.04
76) Chrysene-d12	21.250	240	84427	40.00	ng	# 0.02
86) Perylene-d12	23.409	264	90805	40.00	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.234	112	52491	96.23	ng	0.04
7) Phenol-d6	6.857	99	61113	84.82	ng	0.04
23) Nitrobenzene-d5	8.834	82	39727	63.23	ng	0.04
42) 2,4,6-Tribromophenol	15.833	330	21646	94.09	ng	0.04
45) 2-Fluorobiphenyl	12.939	172	85255	58.47	ng	0.04
79) Terphenyl-d14	19.703	244	124140	54.30	ng	0.03
Target Compounds						
						Qvalue
71) Phenanthrene	17.121	178	7460	3.07	ng	98
75) Fluoranthene	19.139	202	14269	5.34	ng	97
78) Pyrene	19.498	202	13079	4.22	ng	99
81) Benzo(a)anthracene	21.239	228	9064	3.09	ng	97
83) Chrysene	21.292	228	7786m	2.73	ng	
88) Benzo(b)fluoranthene	22.774	252	11026	3.44	ng	# 80
90) Benzo(a)pyrene	23.315	252	7924	2.71	ng	# 88
92) Benzo(g,h,i)perylene	26.221	276	5941	2.07	ng	# 89

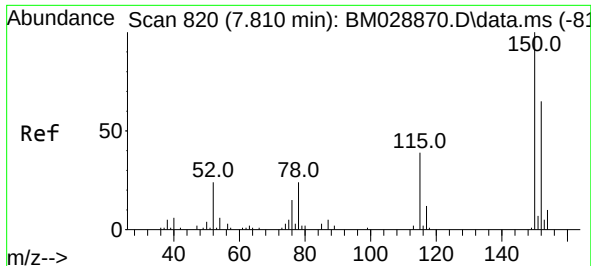
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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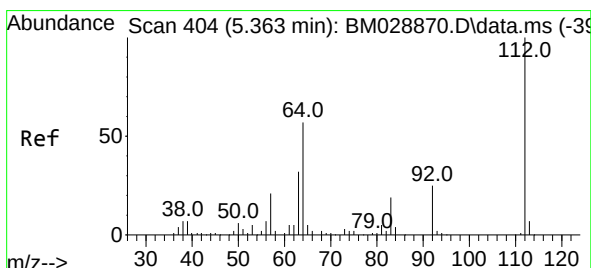
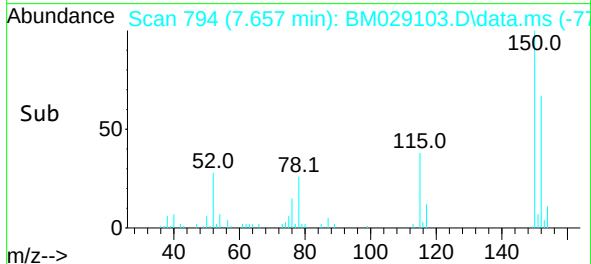
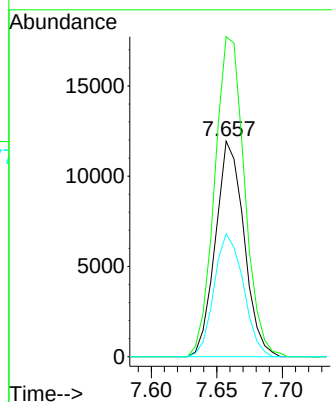
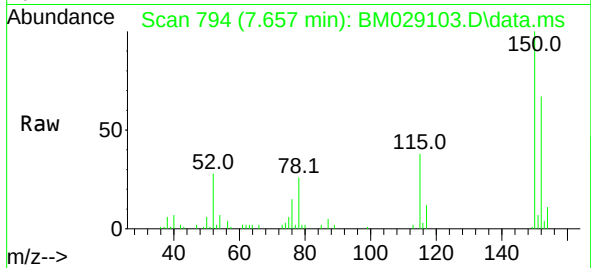




#1
1,4-Dichlorobenzene-d4
Concen: 40.00 ng
RT: 7.657 min Scan# 794
Delta R.T. 0.035 min
Lab File: BM029103.D
Acq: 11 Mar 2021 20:13

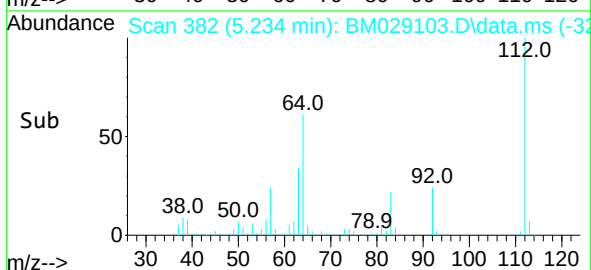
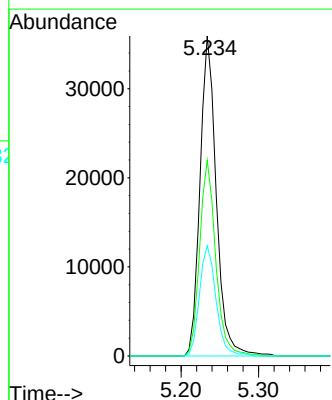
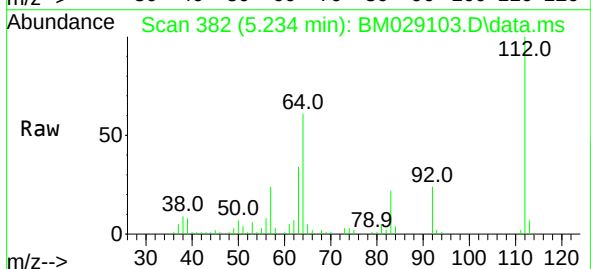
Instrument :
BNA_M
ClientSampleId :
CSB-4-15-15.5-BGS

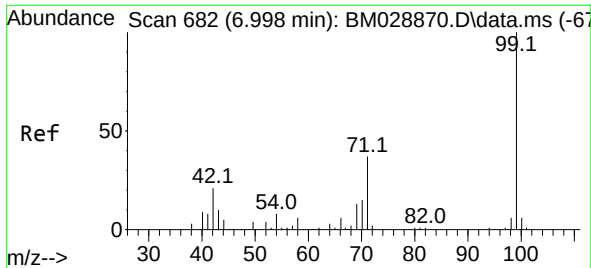
Tgt Ion:152 Resp: 18083
Ion Ratio Lower Upper
152 100
150 148.5 120.6 181.0
115 57.0 47.2 70.8



#5
2-Fluorophenol
Concen: 96.23 ng
RT: 5.234 min Scan# 382
Delta R.T. 0.035 min
Lab File: BM029103.D
Acq: 11 Mar 2021 20:13

Tgt Ion:112 Resp: 52491
Ion Ratio Lower Upper
112 100
64 61.1 50.6 76.0
63 34.5 31.0 46.6

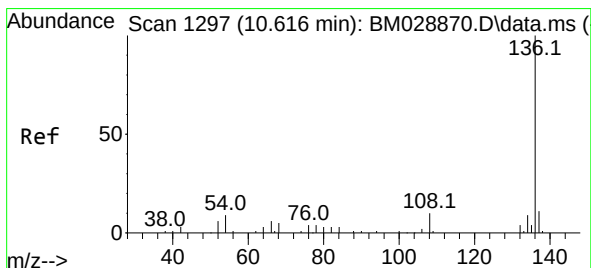
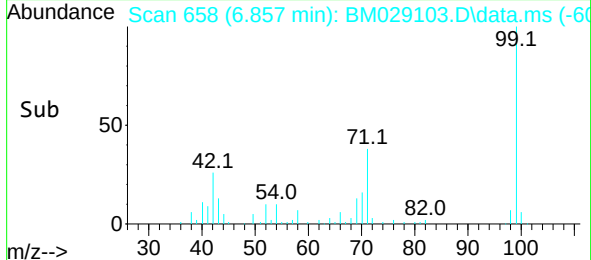
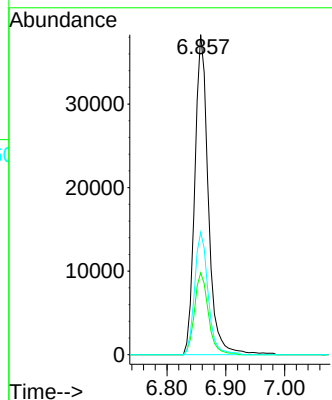
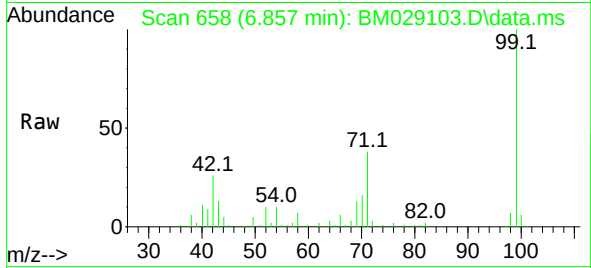




#7
Phenol-d6
Concen: 84.82 ng
RT: 6.857 min Scan# 658
Delta R.T. 0.035 min
Lab File: BM029103.D
Acq: 11 Mar 2021 20:13

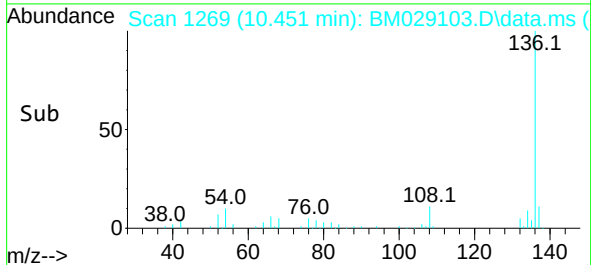
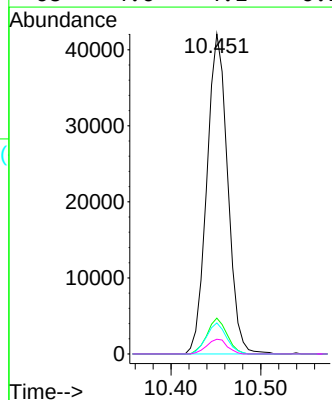
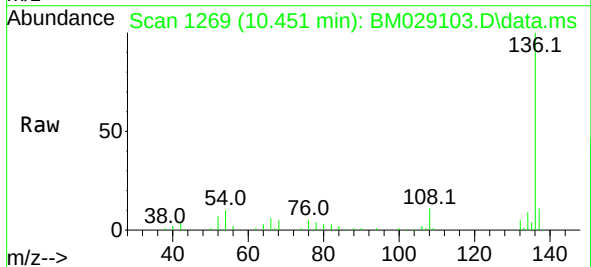
Instrument :
BNA_M
ClientSampleId :
CSB-4-15-15.5-BGS

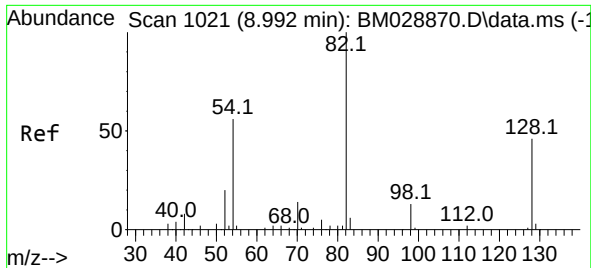
Tgt Ion: 99 Resp: 61113
Ion Ratio Lower Upper
99 100
42 25.6 13.5 20.3#
71 38.3 39.4 59.0#



#21
Naphthalene-d8
Concen: 40.00 ng
RT: 10.451 min Scan# 1269
Delta R.T. 0.035 min
Lab File: BM029103.D
Acq: 11 Mar 2021 20:13

Tgt Ion: 136 Resp: 67796
Ion Ratio Lower Upper
136 100
137 11.2 8.6 12.8
54 9.7 4.6 7.0#
68 4.6 4.1 6.1

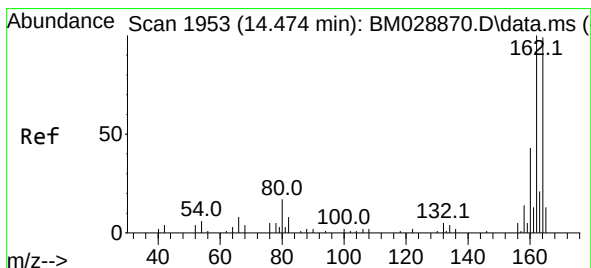
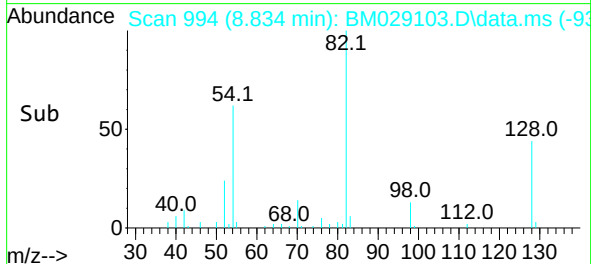
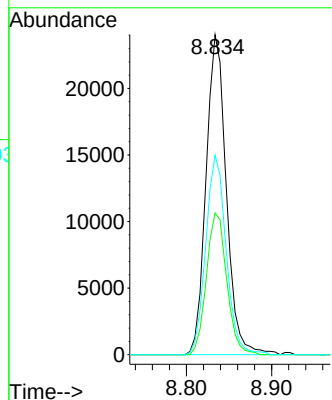
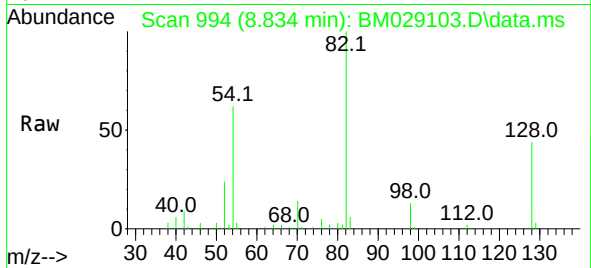




#23
Nitrobenzene-d5
Concen: 63.23 ng
RT: 8.834 min Scan# 994
Delta R.T. 0.035 min
Lab File: BM029103.D
Acq: 11 Mar 2021 20:13

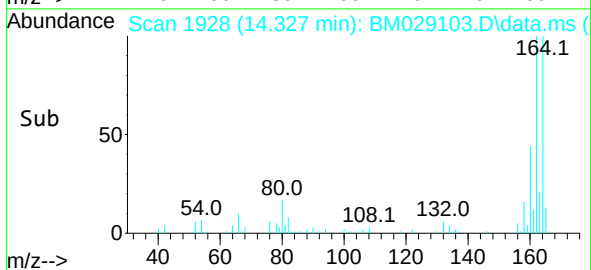
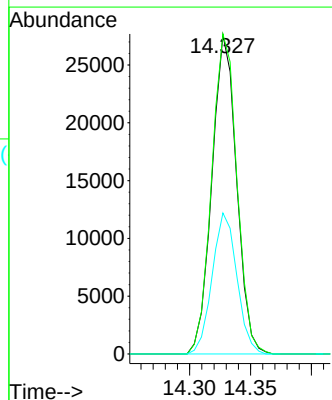
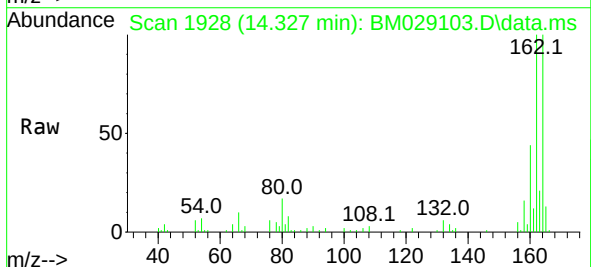
Instrument :
BNA_M
ClientSampleId :
CSB-4-15-15.5-BGS

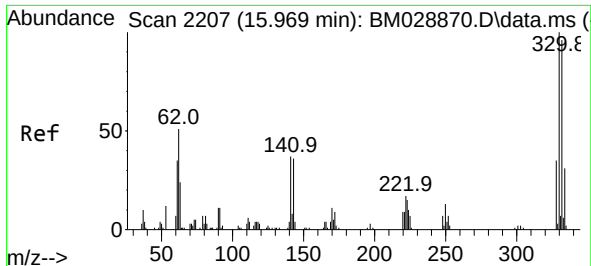
Tgt Ion: 82 Resp: 39727
Ion Ratio Lower Upper
82 100
128 44.3 27.4 41.0#
54 62.3 31.4 47.0#



#39
Acenaphthene-d10
Concen: 40.00 ng
RT: 14.327 min Scan# 1928
Delta R.T. 0.029 min
Lab File: BM029103.D
Acq: 11 Mar 2021 20:13

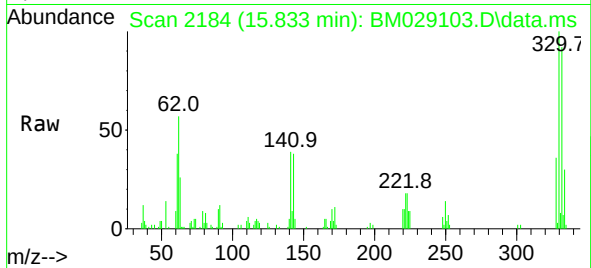
Tgt Ion:164 Resp: 38820
Ion Ratio Lower Upper
164 100
162 100.3 80.4 120.6
160 44.2 35.9 53.9



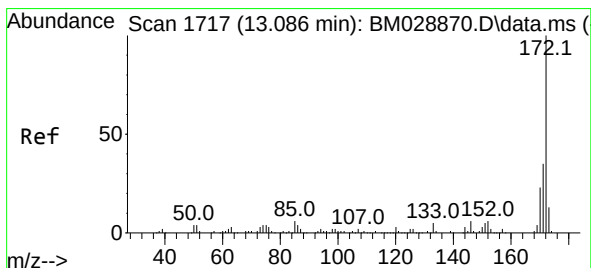
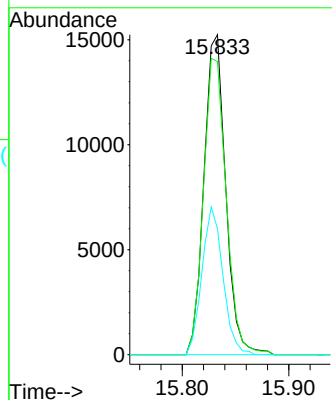
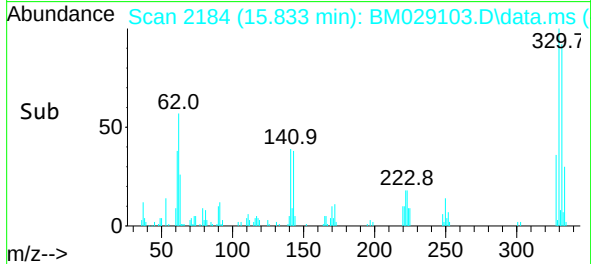


#42
2,4,6-Tribromophenol
Concen: 94.09 ng
RT: 15.833 min Scan# 2184
Delta R.T. 0.035 min
Lab File: BM029103.D
Acq: 11 Mar 2021 20:13

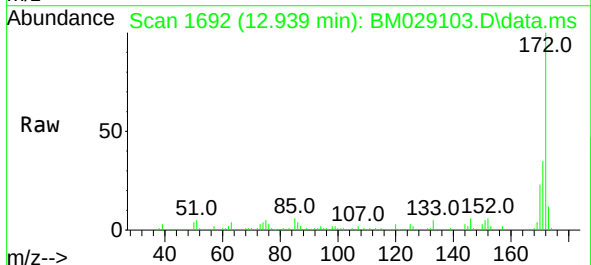
Instrument :
BNA_M
ClientSampleId :
CSB-4-15-15.5-BGS



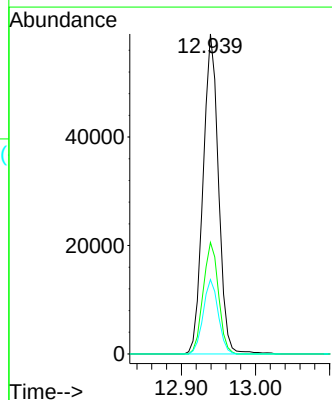
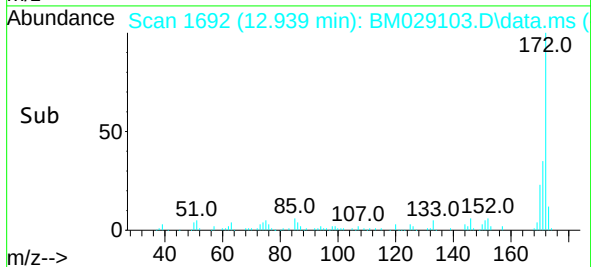
Tgt Ion:330 Resp: 21646
Ion Ratio Lower Upper
330 100
332 96.9 77.8 116.8
141 44.5 28.4 42.6#

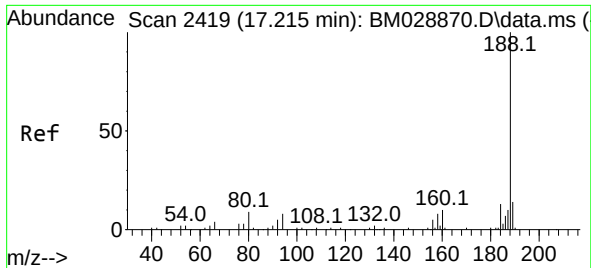


#45
2-Fluorobiphenyl
Concen: 58.47 ng
RT: 12.939 min Scan# 1692
Delta R.T. 0.035 min
Lab File: BM029103.D
Acq: 11 Mar 2021 20:13



Tgt Ion:172 Resp: 85255
Ion Ratio Lower Upper
172 100
171 34.9 27.8 41.8
170 23.2 18.6 27.8

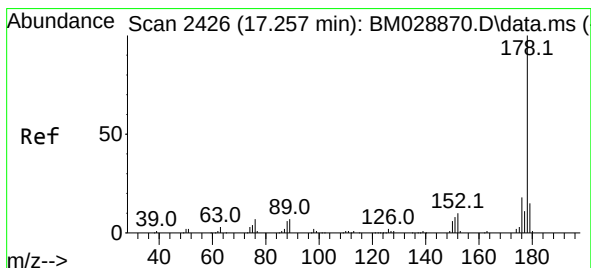
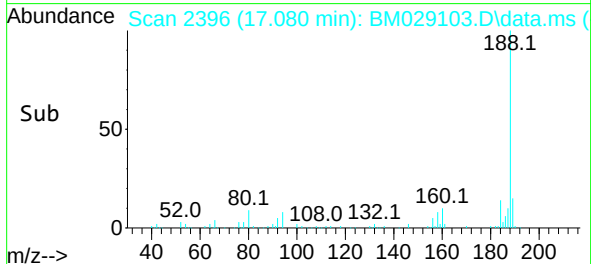
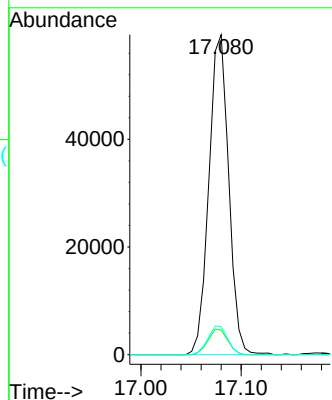
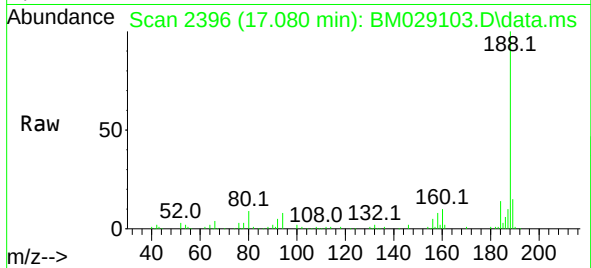




#64
Phenanthrene-d10
Concen: 40.00 ng
RT: 17.080 min Scan# 2396
Delta R.T. 0.035 min
Lab File: BM029103.D
Acq: 11 Mar 2021 20:13

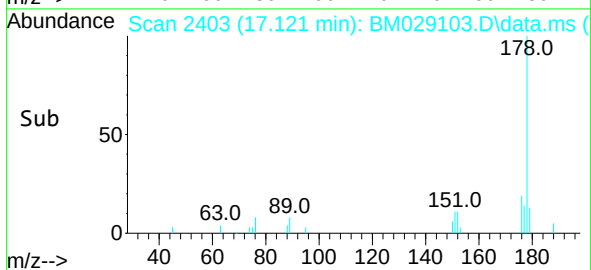
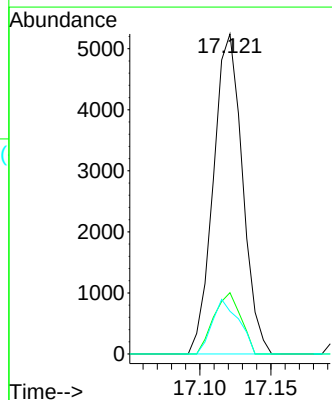
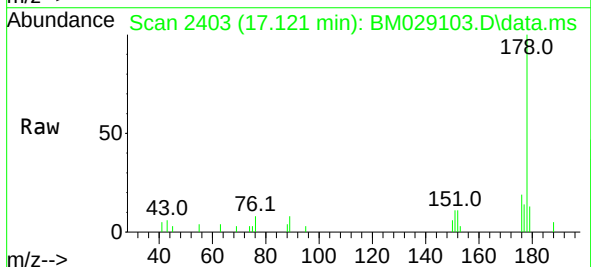
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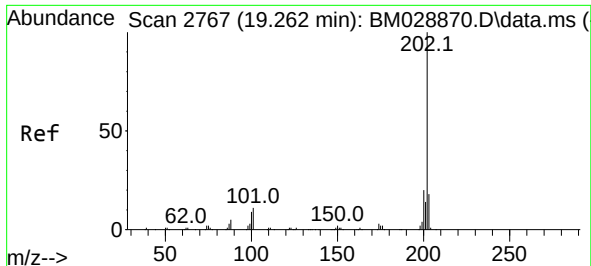
Tgt Ion:188 Resp: 81728
Ion Ratio Lower Upper
188 100
94 7.7 6.2 9.4
80 8.7 7.5 11.3



#71
Phenanthrene
Concen: 3.07 ng
RT: 17.121 min Scan# 2403
Delta R.T. 0.035 min
Lab File: BM029103.D
Acq: 11 Mar 2021 20:13

Tgt Ion:178 Resp: 7460
Ion Ratio Lower Upper
178 100
176 19.1 15.0 22.6
179 13.4 12.2 18.4

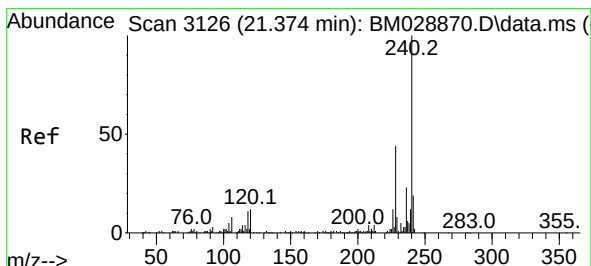
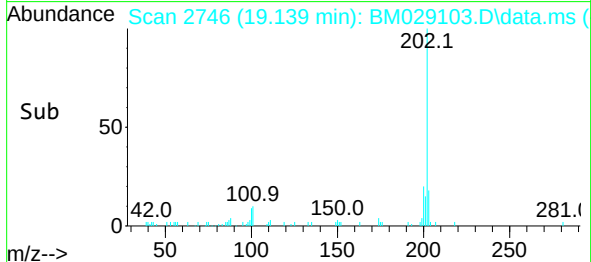
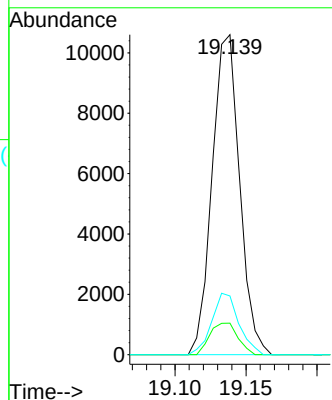
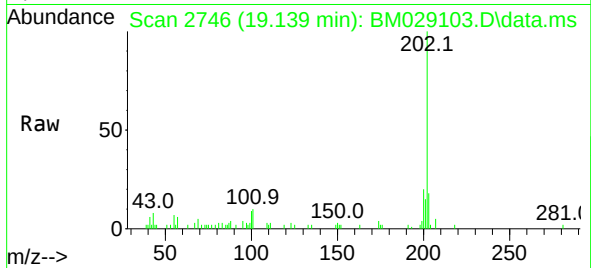




#75
Fluoranthene
Concen: 5.34 ng
RT: 19.139 min Scan# 2746
Delta R.T. 0.035 min
Lab File: BM029103.D
Acq: 11 Mar 2021 20:13

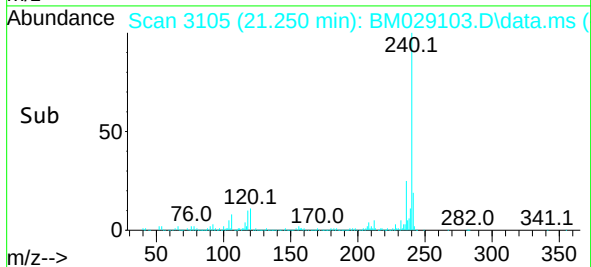
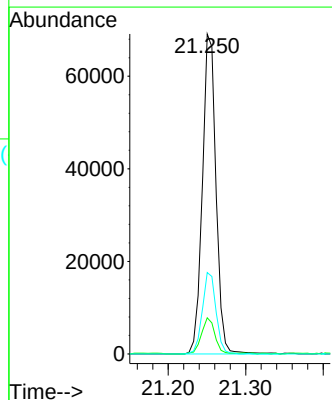
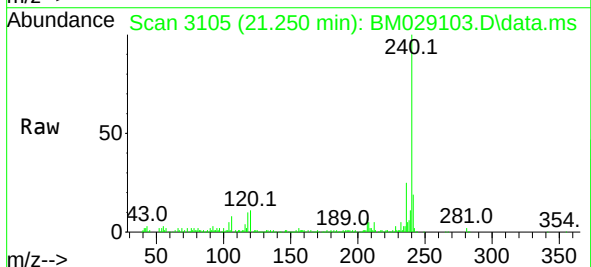
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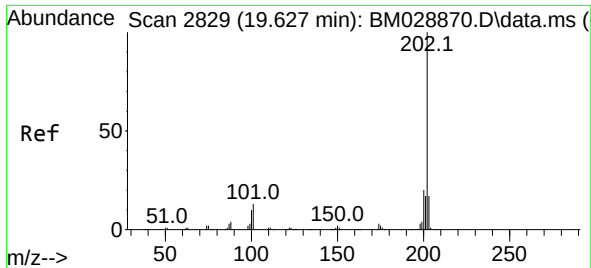
Tgt Ion:202 Resp: 14269
Ion Ratio Lower Upper
202 100
101 9.8 0.0 28.5
203 18.4 0.0 37.3



#76
Chrysene-d12
Concen: 40.00 ng
RT: 21.250 min Scan# 3105
Delta R.T. 0.024 min
Lab File: BM029103.D
Acq: 11 Mar 2021 20:13

Tgt Ion:240 Resp: 84427
Ion Ratio Lower Upper
240 100
120 11.3 6.4 9.6#
236 25.5 20.1 30.1

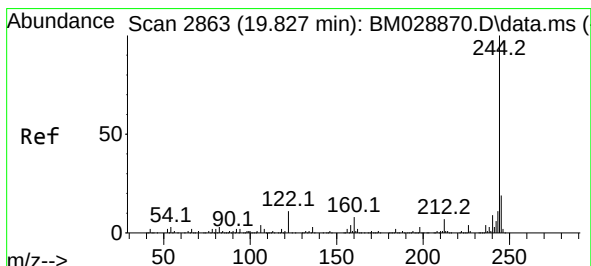
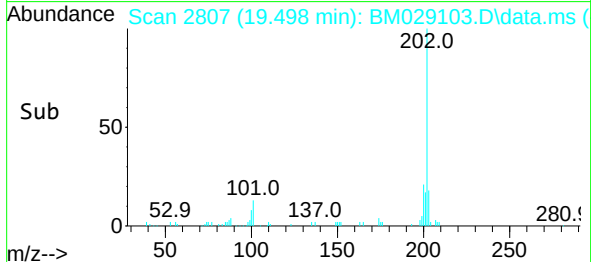
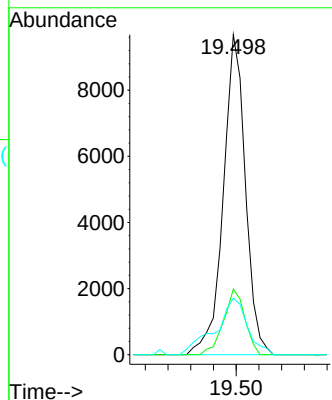
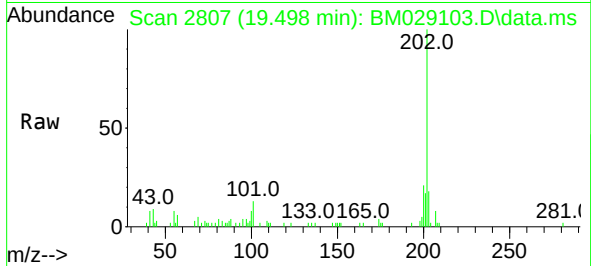




#78
Pyrene
Concen: 4.22 ng
RT: 19.498 min Scan# 2807
Delta R.T. 0.029 min
Lab File: BM029103.D
Acq: 11 Mar 2021 20:13

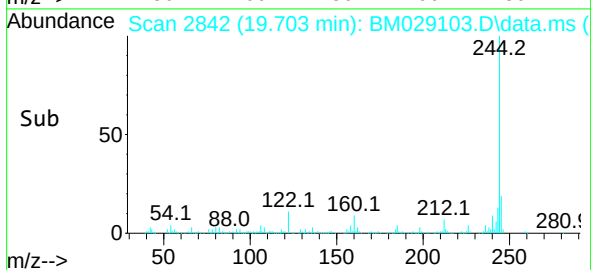
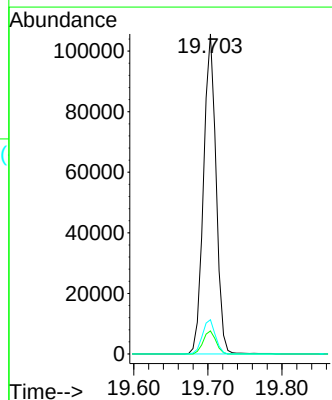
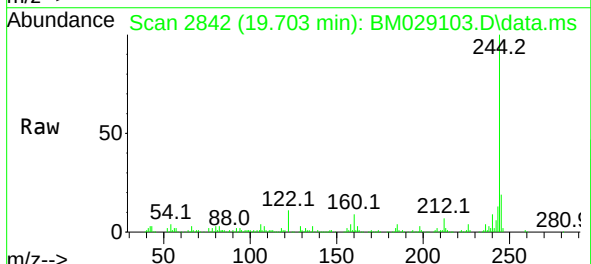
Instrument :
BNA_M
ClientSampleId :
CSB-4-15-15.5-BGS

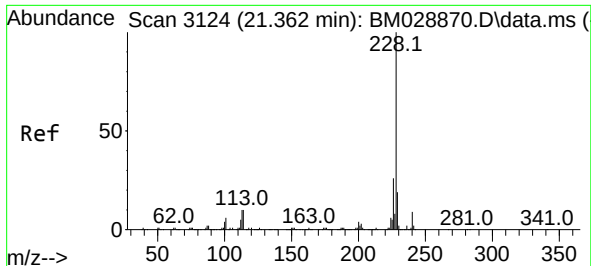
Tgt Ion:	202	Resp:	13079
Ion Ratio	Lower	Upper	
202	100		
200	20.5	16.6	24.8
203	17.6	13.8	20.6



#79
Terphenyl-d14
Concen: 54.30 ng
RT: 19.703 min Scan# 2842
Delta R.T. 0.029 min
Lab File: BM029103.D
Acq: 11 Mar 2021 20:13

Tgt Ion:	244	Resp:	124140
Ion Ratio	Lower	Upper	
244	100		
212	7.2	5.8	8.8
122	10.7	6.5	9.7#

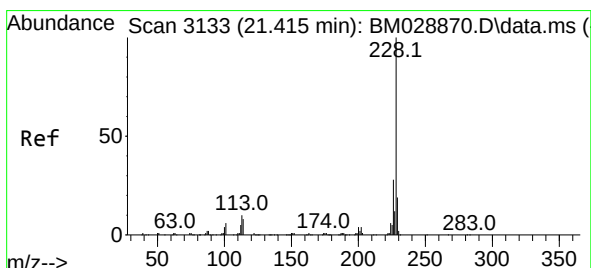
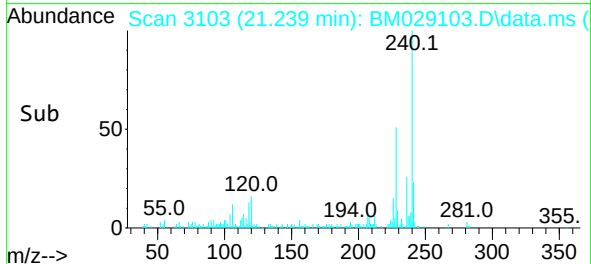
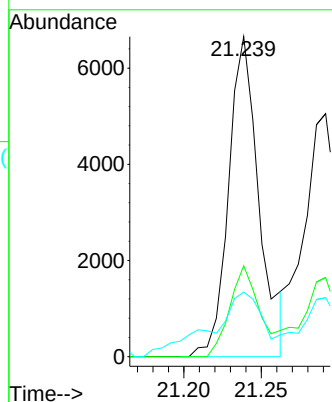
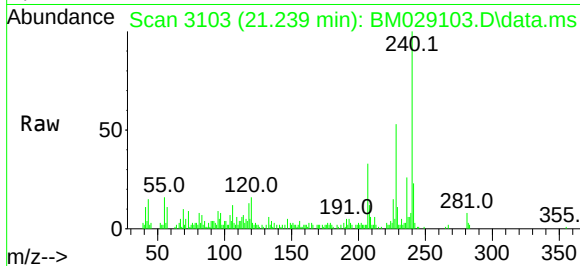




#81
Benzo(a)anthracene
Concen: 3.09 ng
RT: 21.239 min Scan# 3103
Delta R.T. 0.029 min
Lab File: BM029103.D
Acq: 11 Mar 2021 20:13

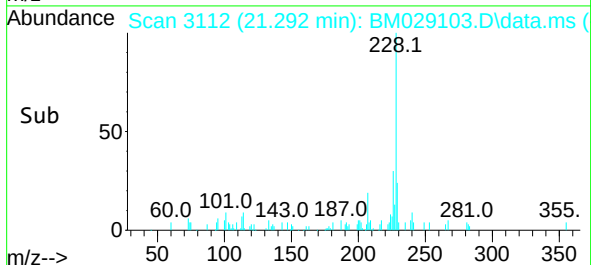
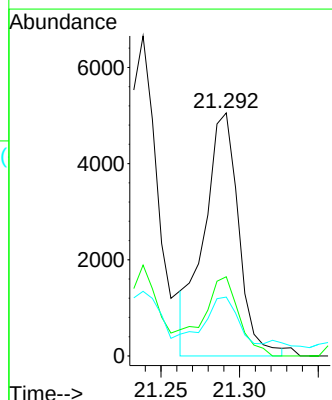
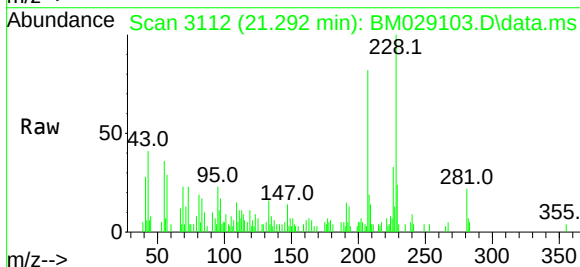
Instrument :
BNA_M
ClientSampleId :
CSB-4-15-15.5-BGS

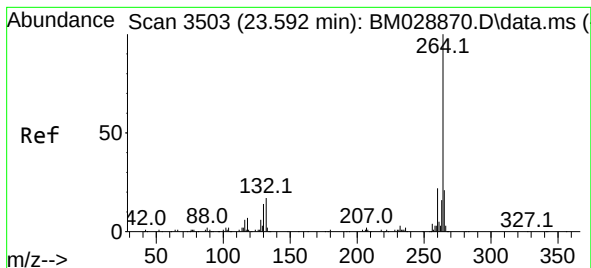
Tgt Ion:228 Resp: 9064
Ion Ratio Lower Upper
228 100
226 28.4 21.1 31.7
229 20.2 15.7 23.5



#83
Chrysene
Concen: 2.73 ng m
RT: 21.292 min Scan# 3112
Delta R.T. 0.029 min
Lab File: BM029103.D
Acq: 11 Mar 2021 20:13

Tgt Ion:228 Resp: 7786
Ion Ratio Lower Upper
228 100
226 32.6 23.4 35.0
229 24.2 15.7 23.5#

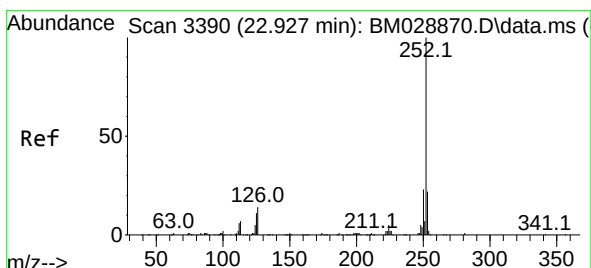
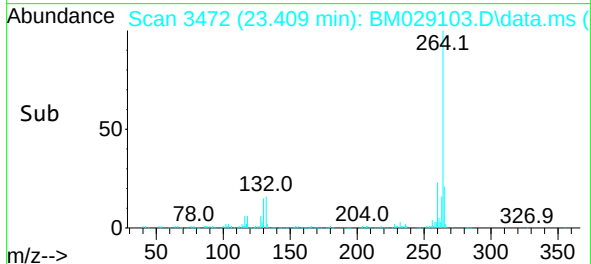
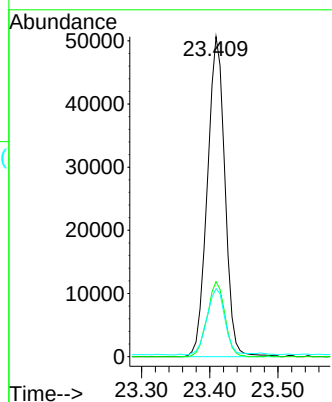
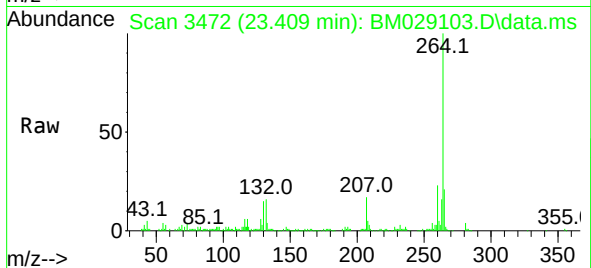




#86
Perylene-d12
Concen: 40.00 ng
RT: 23.409 min Scan# 3472
Delta R.T. 0.041 min
Lab File: BM029103.D
Acq: 11 Mar 2021 20:13

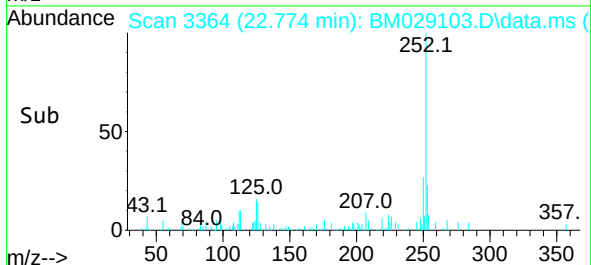
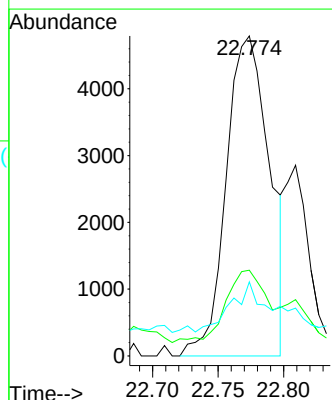
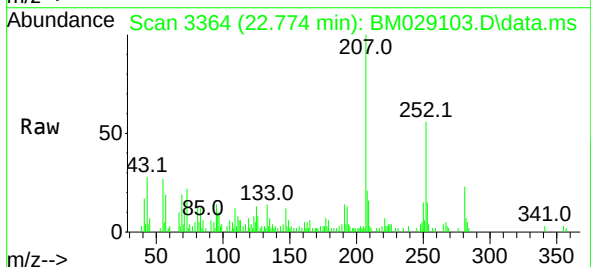
Instrument :
BNA_M
ClientSampleId :
CSB-4-15-15.5-BGS

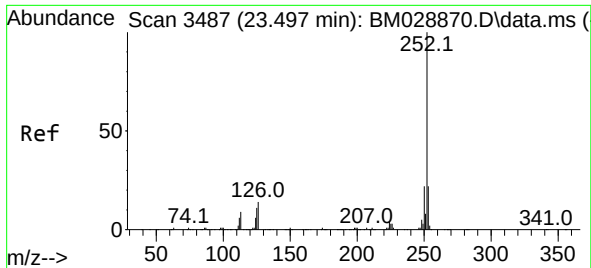
Tgt Ion:264 Resp: 90805
Ion Ratio Lower Upper
264 100
260 23.5 19.0 28.4
265 21.2 17.7 26.5



#88
Benzo(b)fluoranthene
Concen: 3.44 ng
RT: 22.774 min Scan# 3364
Delta R.T. 0.041 min
Lab File: BM029103.D
Acq: 11 Mar 2021 20:13

Tgt Ion:252 Resp: 11026
Ion Ratio Lower Upper
252 100
253 26.8 17.4 26.0#
125 23.1 5.7 8.5#

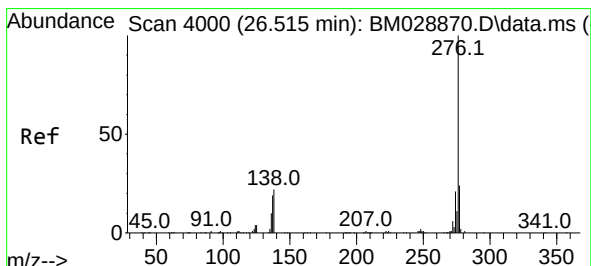
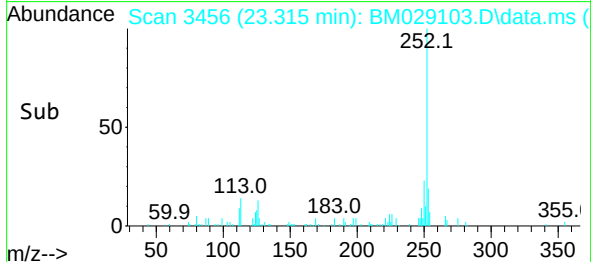
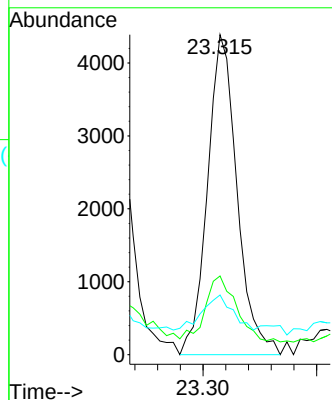
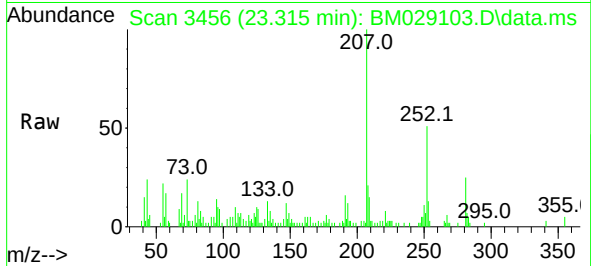




#90
Benzo(a)pyrene
Concen: 2.71 ng
RT: 23.315 min Scan# 3456
Delta R.T. 0.035 min
Lab File: BM029103.D
Acq: 11 Mar 2021 20:13

Instrument :
BNA_M
ClientSampleId :
CSB-4-15-15.5-BGS

Tgt Ion:252 Resp: 7924
Ion Ratio Lower Upper
252 100
253 24.6 17.4 26.2
125 18.7 6.6 9.8#



#92
Benzo(g,h,i)perylene
Concen: 2.07 ng
RT: 26.221 min Scan# 3950
Delta R.T. 0.065 min
Lab File: BM029103.D
Acq: 11 Mar 2021 20:13

Tgt Ion:276 Resp: 5941
Ion Ratio Lower Upper
276 100
277 24.4 18.6 28.0
138 25.4 12.2 18.2#

