

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122320\
 Data File : BM028252.D
 Acq On : 23 Dec 2020 15:29
 Operator : JU/CG
 Sample : L5189-11
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 08

Quant Time: Dec 23 16:00:14 2020
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM121620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 23 12:17:02 2020
 Response via : Initial Calibration

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

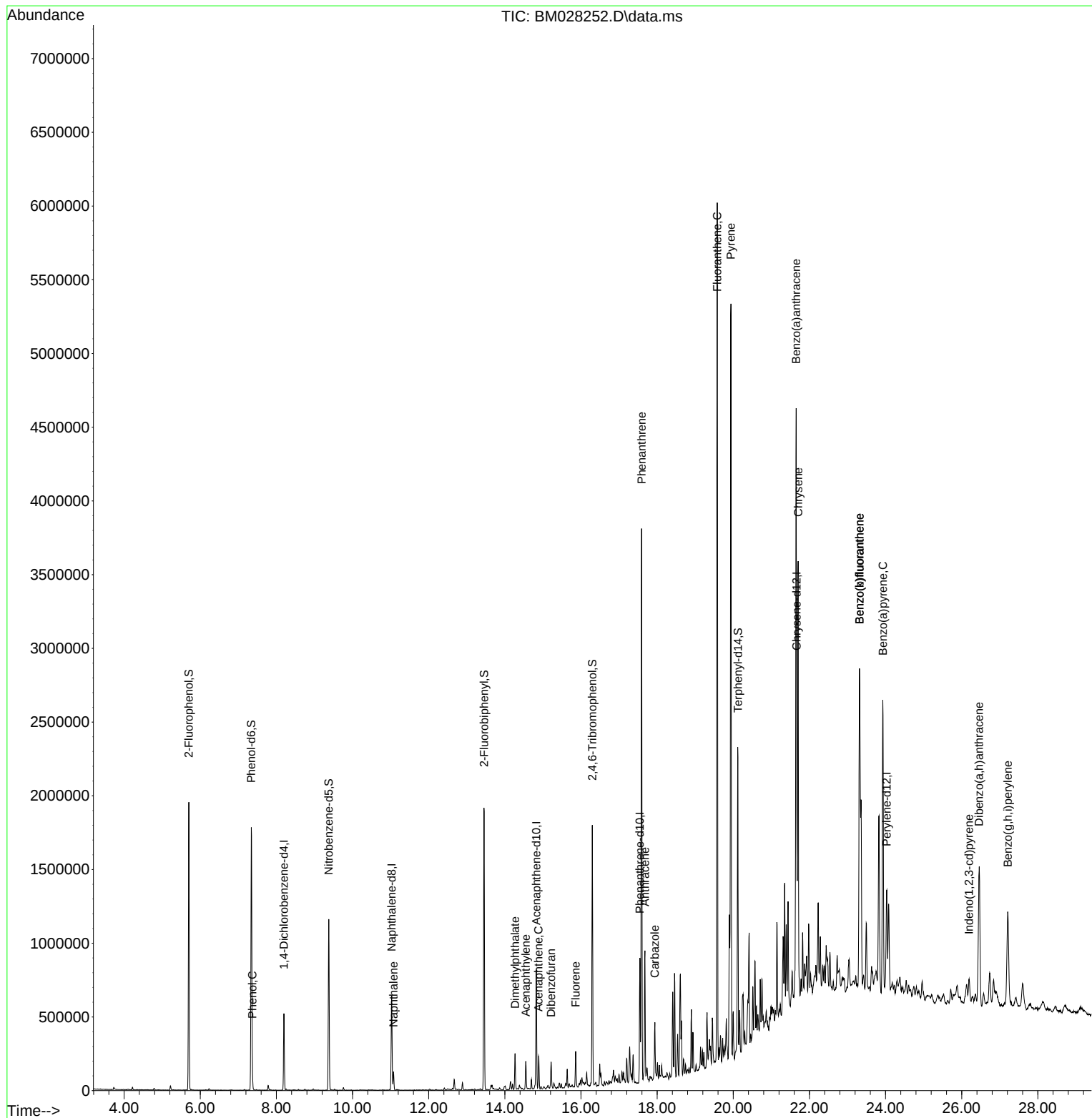
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.198	152	138156	20.00	ng	0.00
21) Naphthalene-d8	11.028	136	524075	20.00	ng	# 0.00
39) Acenaphthene-d10	14.827	164	268561	20.00	ng	0.00
64) Phenanthrene-d10	17.545	188	492907	20.00	ng	# 0.00
76) Chrysene-d12	21.662	240	460082	20.00	ng	# 0.00
86) Perylene-d12	24.027	264	492818	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.698	112	787708	93.96	ng	0.00
7) Phenol-d6	7.340	99	1001700	83.67	ng	0.00
23) Nitrobenzene-d5	9.375	82	617704	58.49	ng	0.00
42) 2,4,6-Tribromophenol	16.298	330	289046	81.08	ng	0.00
45) 2-Fluorobiphenyl	13.457	172	1000919	48.45	ng	0.00
79) Terphenyl-d14	20.121	244	845277	33.34	ng	0.00
Target Compounds						Qvalue
10) Phenol	7.369	94	70145	6.17	ng	85
31) Naphthalene	11.075	128	97802	3.31	ng	100
32) Benzoic acid	10.239	122	208	Below Cal	#	33
49) Acenaphthylene	14.551	152	132567	4.87	ng	98
50) Dimethylphthalate	14.268	163	137074	6.15	ng	99
52) Acenaphthene	14.886	154	76349	4.12	ng	98
55) Dibenzofuran	15.215	168	90606	3.43	ng	97
58) Fluorene	15.862	166	105082	4.85	ng	96
71) Phenanthrene	17.592	178	2141747	71.55	ng	100
72) Anthracene	17.680	178	533416	18.43	ng	99
73) Carbazole	17.939	167	221562	8.12	ng	99
75) Fluoranthene	19.580	202	3516651	104.92	ng	96
78) Pyrene	19.939	202	3130617	93.98	ng	99
81) Benzo(a)anthracene	21.650	228	1804595	57.58	ng	98
83) Chrysene	21.703	228	1519556	50.07	ng	97
87) Indeno(1,2,3-cd)pyrene	26.191	276	82337	2.51	ng	98
88) Benzo(b)fluoranthene	23.315	252	1927819	57.42	ng	# 94
89) Benzo(k)fluoranthene	23.315	252	1927819	59.09	ng	# 94
90) Benzo(a)pyrene	23.927	252	1432636	47.54	ng	# 94
91) Dibenzo(a,h)anthracene	26.456	278	251381	9.20	ng	# 85
92) Benzo(g,h,i)perylene	27.209	276	790097	30.25	ng	# 89

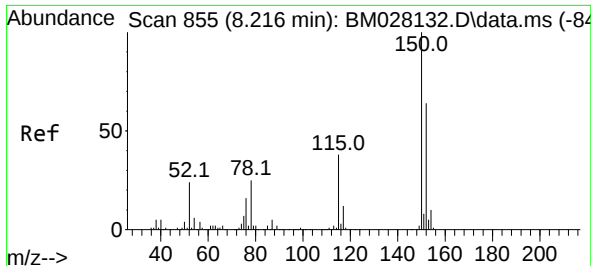
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122320\
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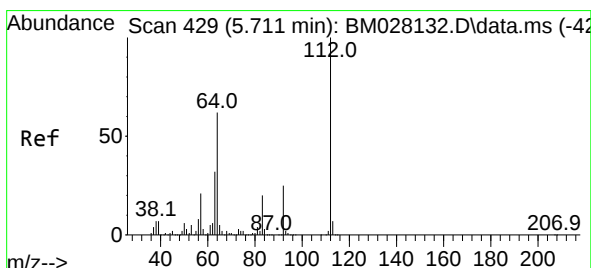
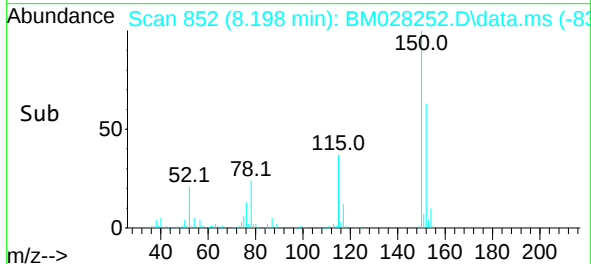
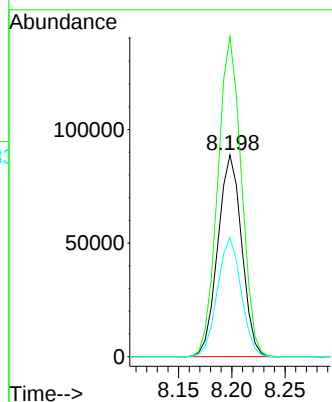
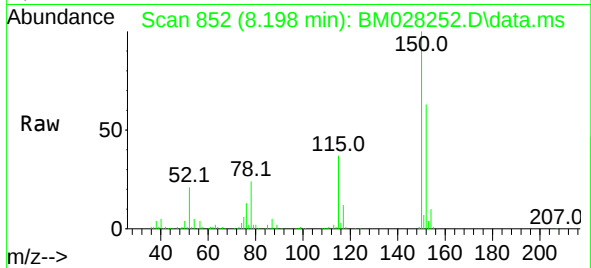




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.198 min Scan# 852
Delta R.T. 0.000 min
Lab File: BM028252.D
Acq: 23 Dec 2020 15:29

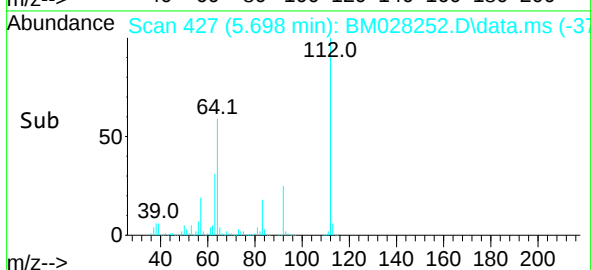
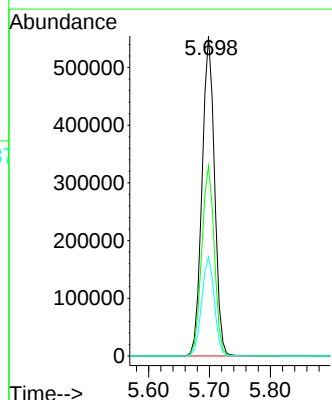
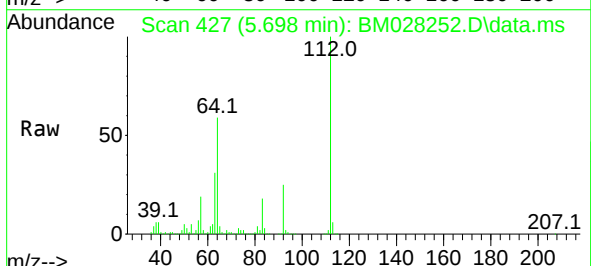
Instrument :
BNA_M
ClientSampleId :
08

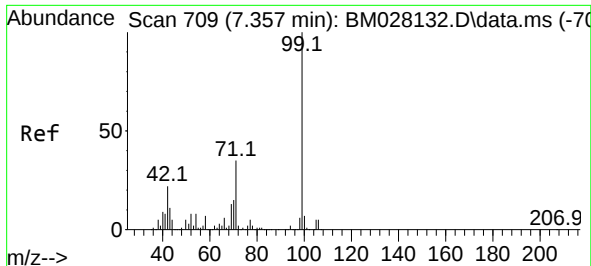
Tgt Ion:152 Resp: 138156
Ion Ratio Lower Upper
152 100
150 158.7 120.6 181.0
115 59.1 47.2 70.8



#5
2-Fluorophenol
Concen: 93.96 ng
RT: 5.698 min Scan# 427
Delta R.T. 0.006 min
Lab File: BM028252.D
Acq: 23 Dec 2020 15:29

Tgt Ion:112 Resp: 787708
Ion Ratio Lower Upper
112 100
64 59.4 50.6 76.0
63 31.0 31.0 46.6#

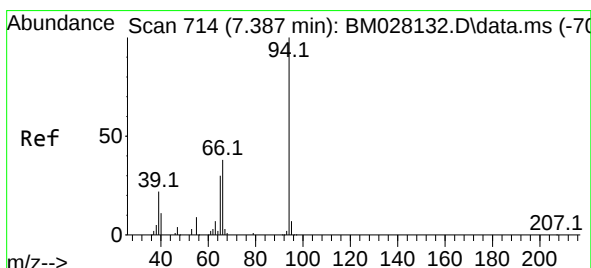
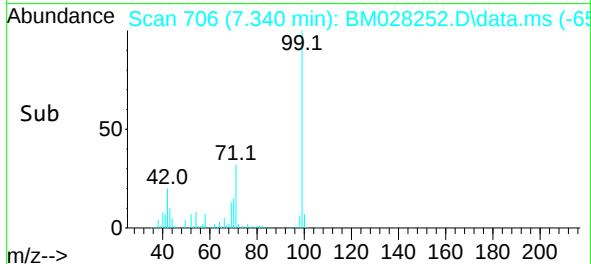
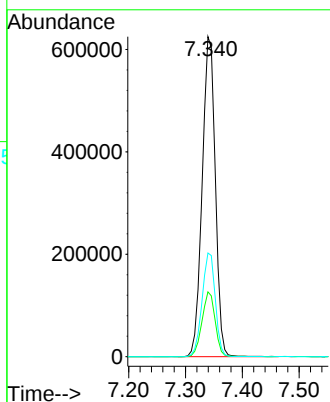
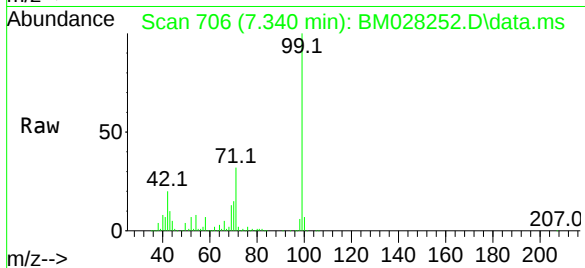




#7
Phenol-d6
Concen: 83.67 ng
RT: 7.340 min Scan# 706
Delta R.T. 0.000 min
Lab File: BM028252.D
Acq: 23 Dec 2020 15:29

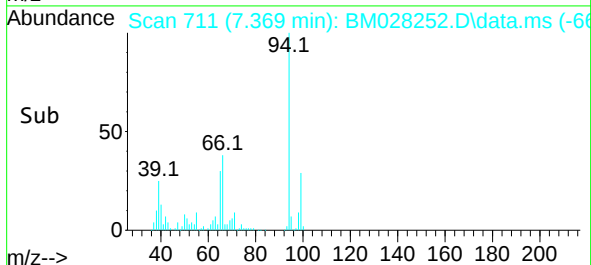
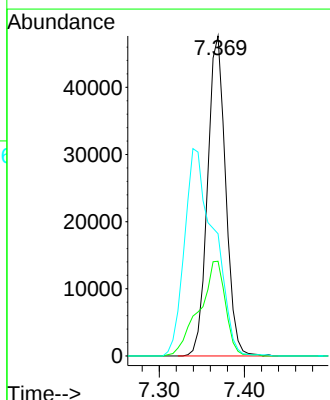
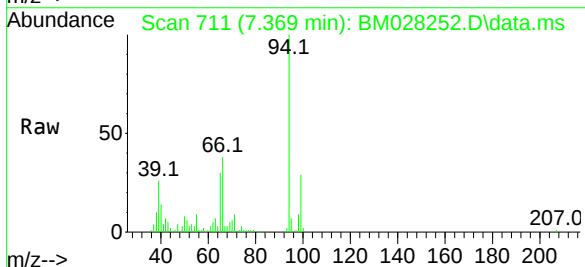
Instrument :
BNA_M
ClientSampleId :
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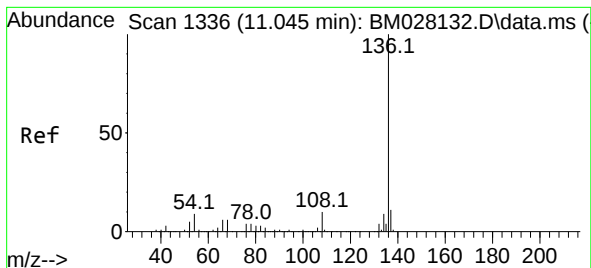
Tgt Ion: 99 Resp: 1001700
Ion Ratio Lower Upper
99 100
42 20.3 13.5 20.3
71 32.4 39.4 59.0#



#10
Phenol
Concen: 6.17 ng
RT: 7.369 min Scan# 711
Delta R.T. 0.000 min
Lab File: BM028252.D
Acq: 23 Dec 2020 15:29

Tgt Ion: 94 Resp: 70145
Ion Ratio Lower Upper
94 100
65 29.6 16.4 56.4
66 38.2 30.2 70.2

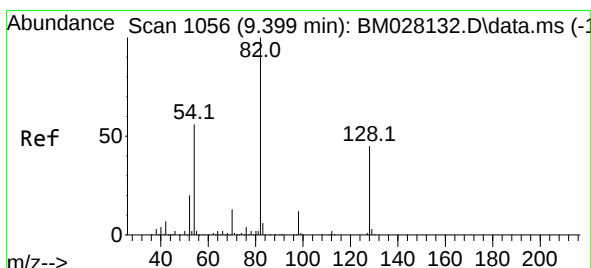
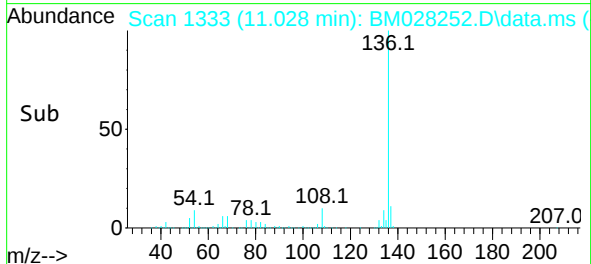
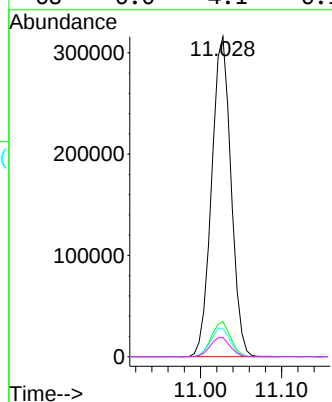
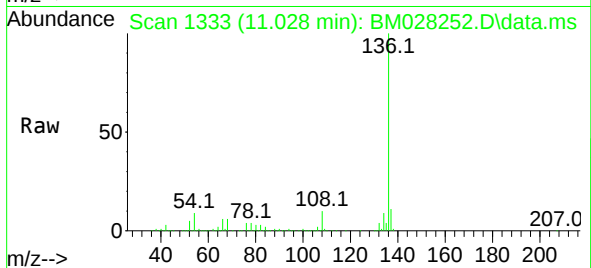




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.028 min Scan# 1333
Delta R.T. 0.000 min
Lab File: BM028252.D
Acq: 23 Dec 2020 15:29

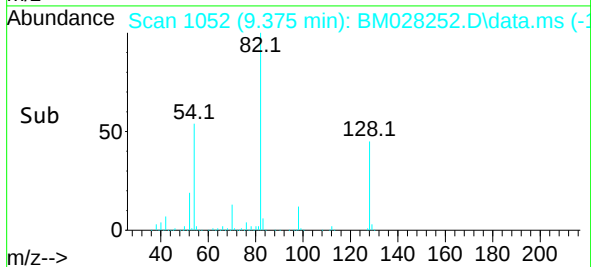
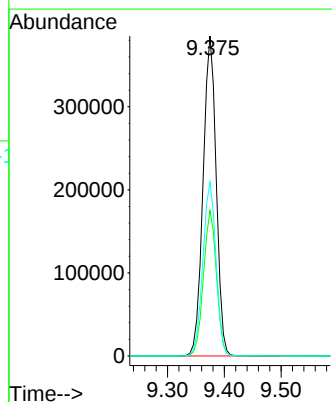
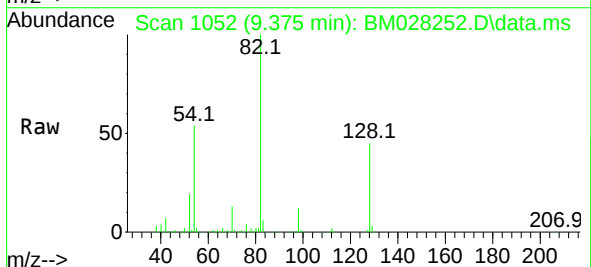
Instrument :
BNA_M
ClientSampleId :
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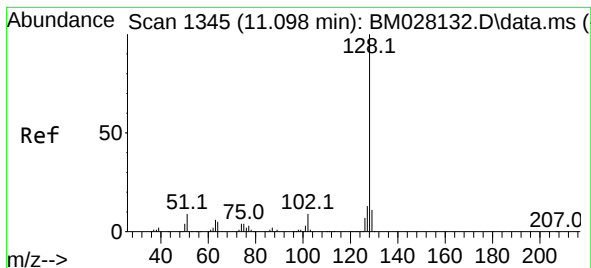
Tgt Ion:136	Resp:	524075
Ion Ratio	Lower	Upper
136	100	
137	11.0	8.6 12.8
54	8.7	4.6 7.0#
68	6.0	4.1 6.1



#23
Nitrobenzene-d5
Concen: 58.49 ng
RT: 9.375 min Scan# 1052
Delta R.T. 0.000 min
Lab File: BM028252.D
Acq: 23 Dec 2020 15:29

Tgt Ion: 82	Resp:	617704
Ion Ratio	Lower	Upper
82	100	
128	45.4	27.4 41.0#
54	54.3	31.4 47.0#

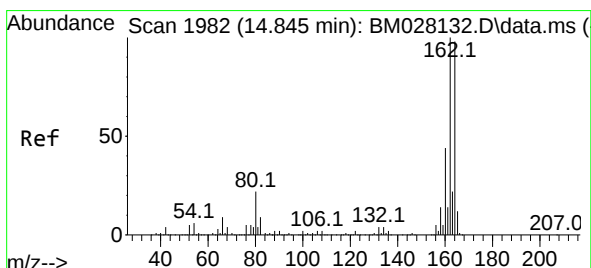
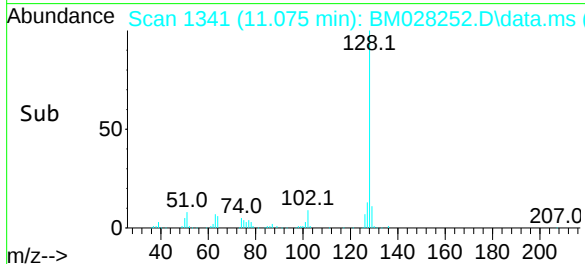
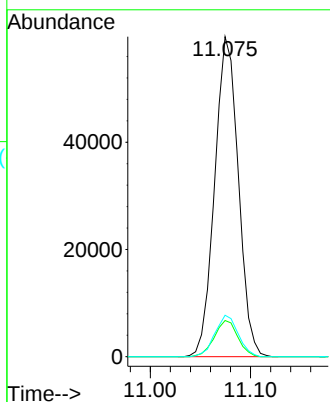
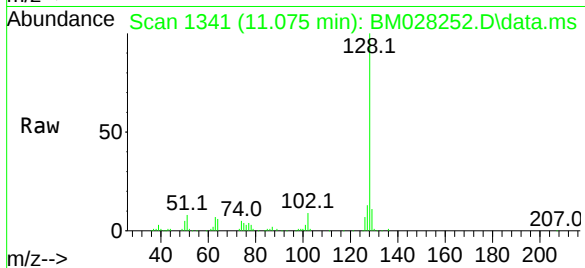




#31
Naphthalene
Concen: 3.31 ng
RT: 11.075 min Scan# 1341
Delta R.T. 0.000 min
Lab File: BM028252.D
Acq: 23 Dec 2020 15:29

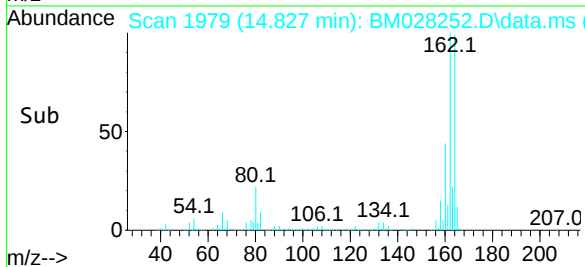
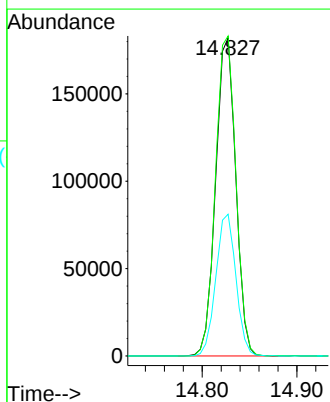
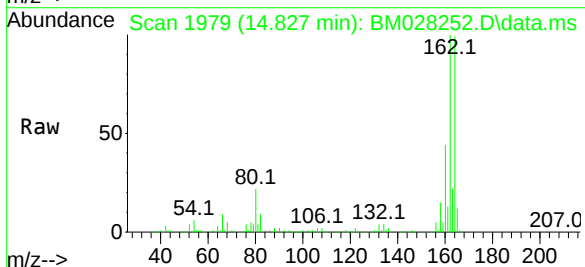
Instrument :
BNA_M
ClientSampleId :
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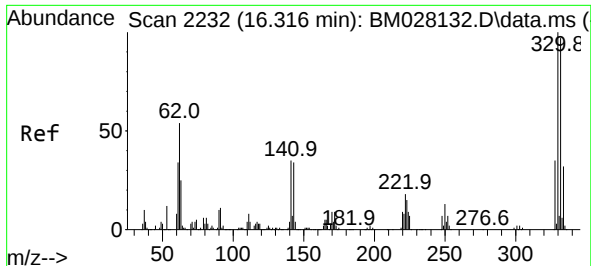
Tgt Ion:128 Resp: 97802
Ion Ratio Lower Upper
128 100
129 11.3 9.0 13.4
127 13.0 10.6 15.8



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.827 min Scan# 1979
Delta R.T. 0.000 min
Lab File: BM028252.D
Acq: 23 Dec 2020 15:29

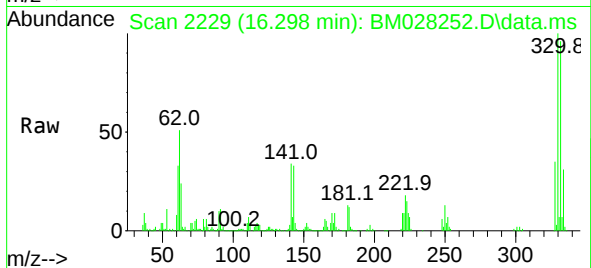
Tgt Ion:164 Resp: 268561
Ion Ratio Lower Upper
164 100
162 100.6 80.4 120.6
160 44.6 35.9 53.9



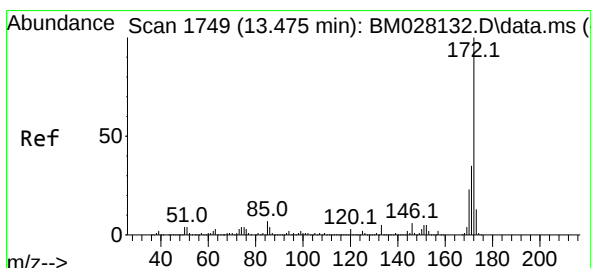
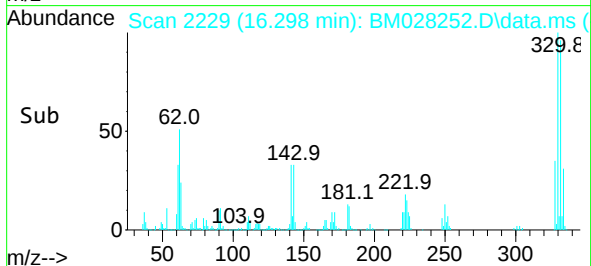
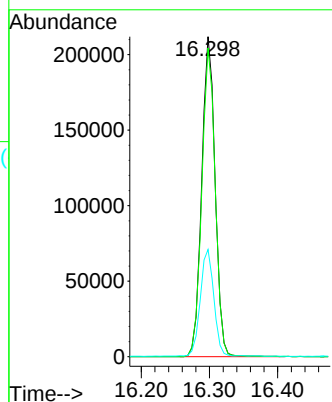


#42
2,4,6-Tribromophenol
Concen: 81.08 ng
RT: 16.298 min Scan# 2229
Delta R.T. -0.006 min
Lab File: BM028252.D
Acq: 23 Dec 2020 15:29

Instrument :
BNA_M
ClientSampled :
08

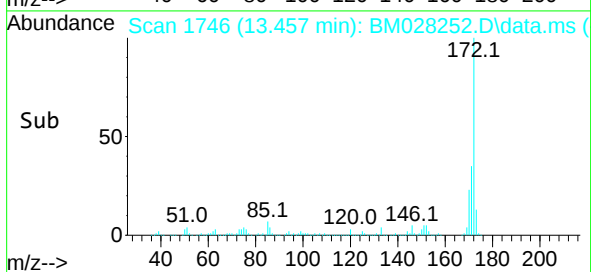
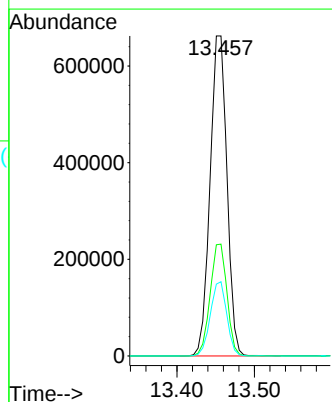
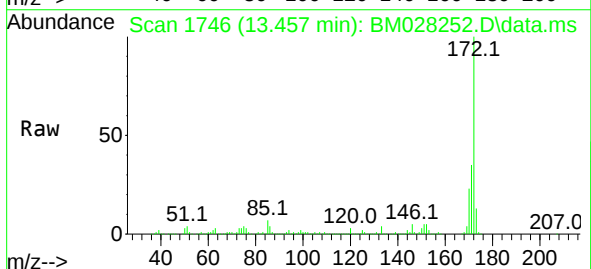


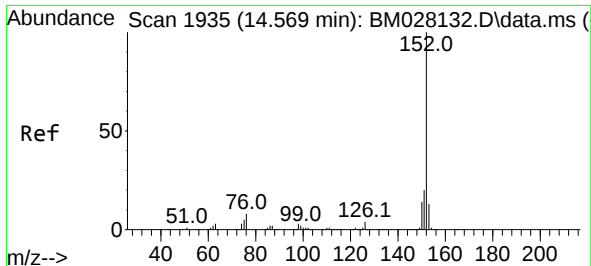
Tgt Ion:330 Resp: 289046
Ion Ratio Lower Upper
330 100
332 97.0 77.8 116.8
141 33.8 28.4 42.6



#45
2-Fluorobiphenyl
Concen: 48.45 ng
RT: 13.457 min Scan# 1746
Delta R.T. 0.000 min
Lab File: BM028252.D
Acq: 23 Dec 2020 15:29

Tgt Ion:172 Resp: 1000919
Ion Ratio Lower Upper
172 100
171 35.0 27.8 41.8
170 23.2 18.6 27.8

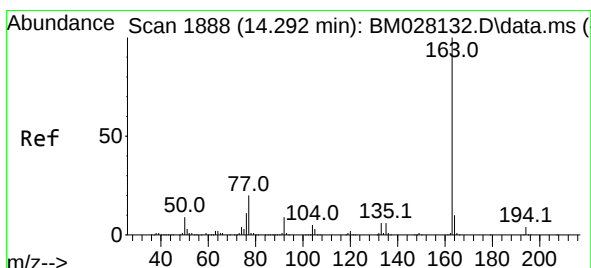
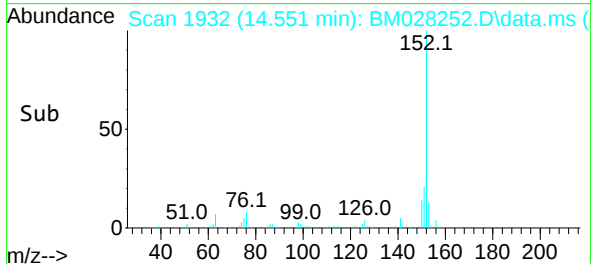
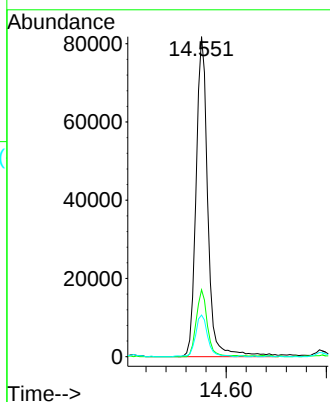
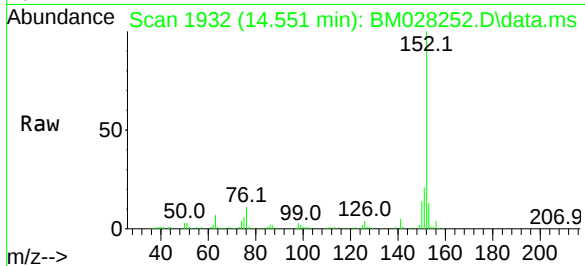




#49
Acenaphthylene
Concen: 4.87 ng
RT: 14.551 min Scan# 1932
Delta R.T. 0.000 min
Lab File: BM028252.D
Acq: 23 Dec 2020 15:29

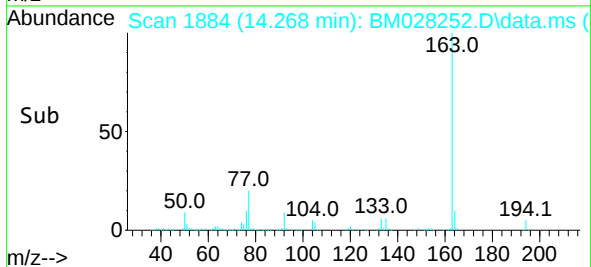
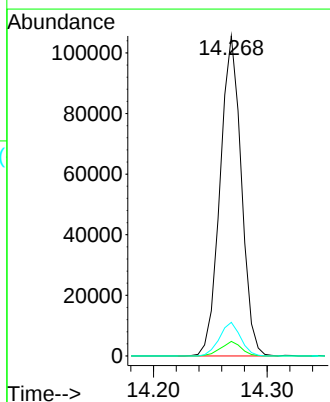
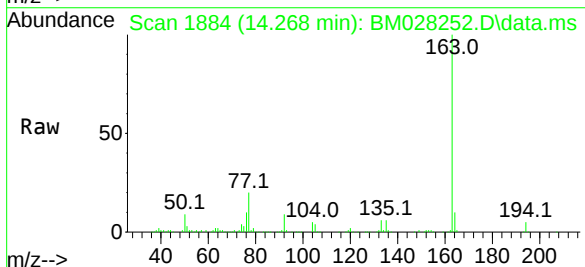
Instrument :
BNA_M
ClientSampleId :
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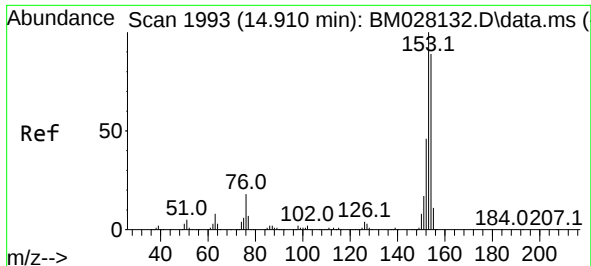
Tgt Ion:152	Resp: 132567
Ion Ratio	Lower Upper
152	100
151	20.9 15.8 23.6
153	13.0 10.4 15.6



#50
Dimethylphthalate
Concen: 6.15 ng
RT: 14.268 min Scan# 1884
Delta R.T. -0.006 min
Lab File: BM028252.D
Acq: 23 Dec 2020 15:29

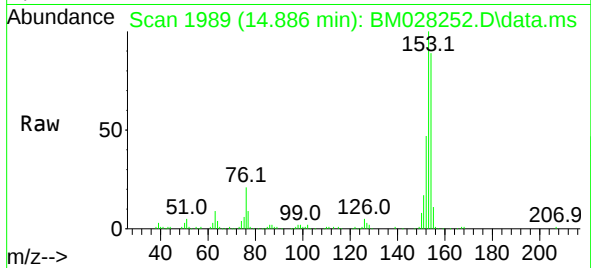
Tgt Ion:163	Resp: 137074
Ion Ratio	Lower Upper
163	100
194	4.6 3.4 5.2
164	10.5 8.1 12.1



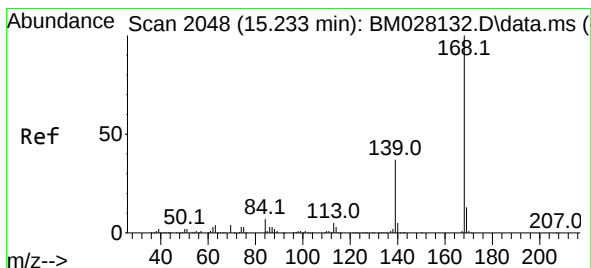
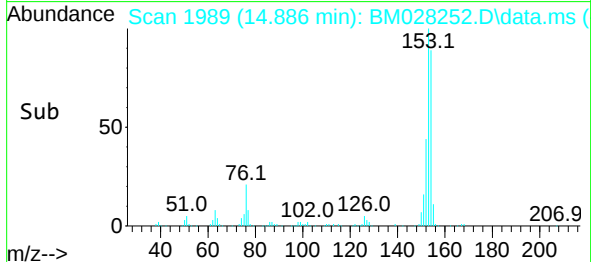
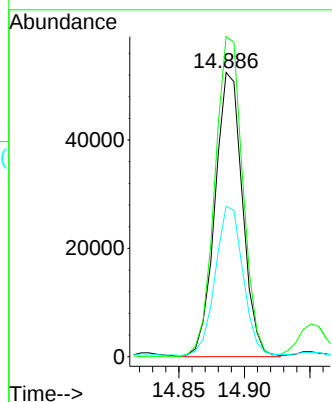


#52
Acenaphthene
Concen: 4.12 ng
RT: 14.886 min Scan# 1989
Delta R.T. -0.006 min
Lab File: BM028252.D
Acq: 23 Dec 2020 15:29

Instrument :
BNA_M
ClientSampleId :
08

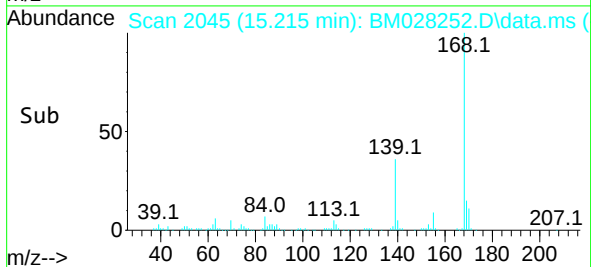
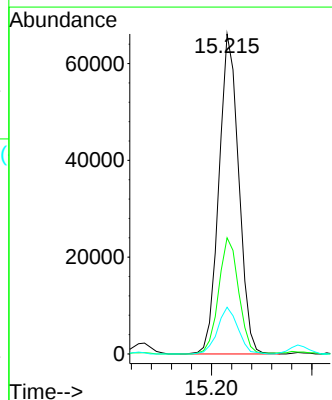
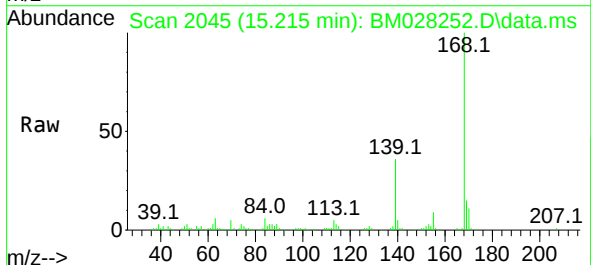


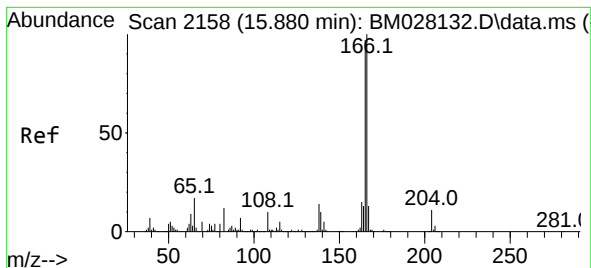
Tgt Ion:154 Resp: 76349
Ion Ratio Lower Upper
154 100
153 112.6 88.3 132.5
152 52.9 41.4 62.2



#55
Dibenzofuran
Concen: 3.43 ng
RT: 15.215 min Scan# 2045
Delta R.T. -0.006 min
Lab File: BM028252.D
Acq: 23 Dec 2020 15:29

Tgt Ion:168 Resp: 90606
Ion Ratio Lower Upper
168 100
139 36.3 30.2 45.4
169 14.6 10.6 16.0





#58

Fluorene

Concen: 4.85 ng

RT: 15.862 min Scan# 2155

Delta R.T. 0.000 min

Lab File: BM028252.D

Acq: 23 Dec 2020 15:29

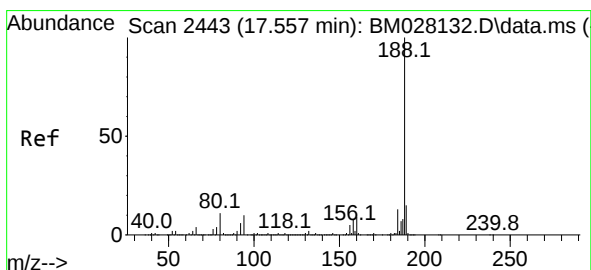
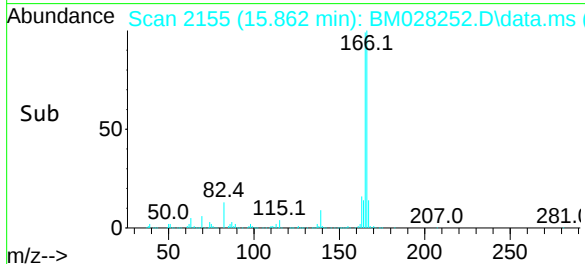
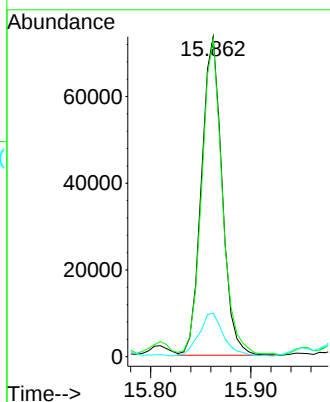
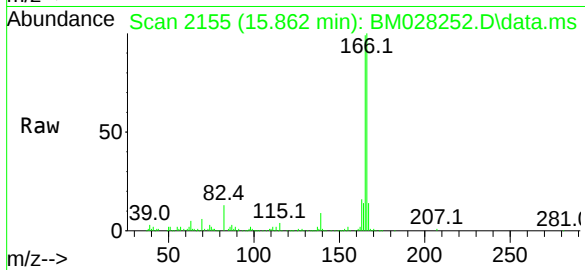
Tgt Ion:166 Resp: 105082

Ion Ratio Lower Upper

166 100

165 99.2 76.2 114.2

167 13.6 10.7 16.1



#64

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.545 min Scan# 2441

Delta R.T. 0.000 min

Lab File: BM028252.D

Acq: 23 Dec 2020 15:29

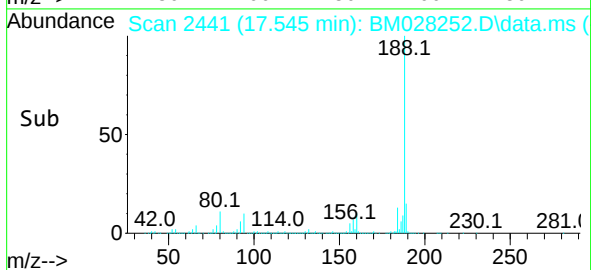
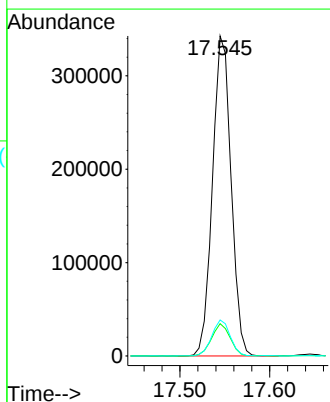
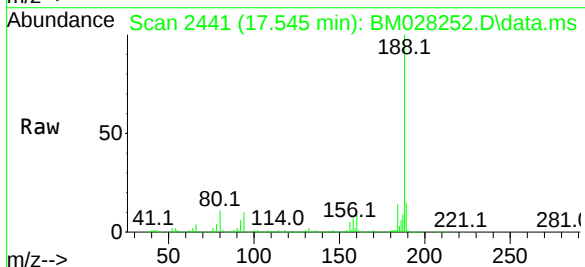
Tgt Ion:188 Resp: 492907

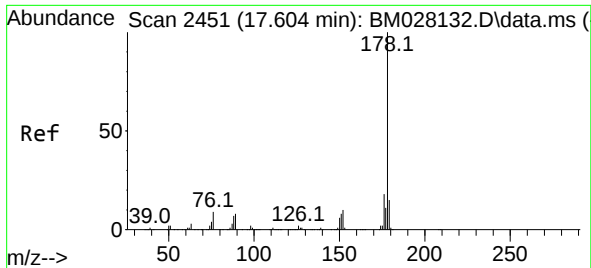
Ion Ratio Lower Upper

188 100

94 10.1 6.2 9.4#

80 11.3 7.5 11.3

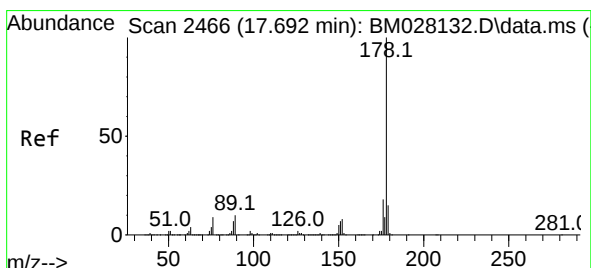
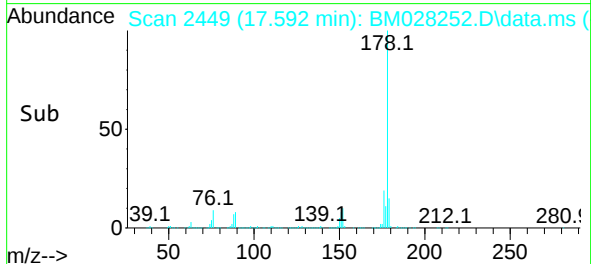
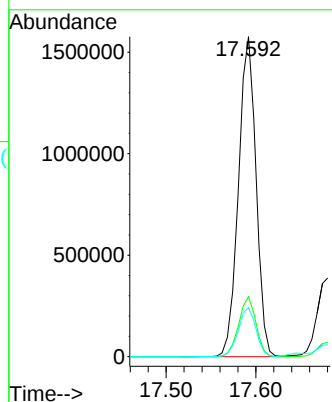
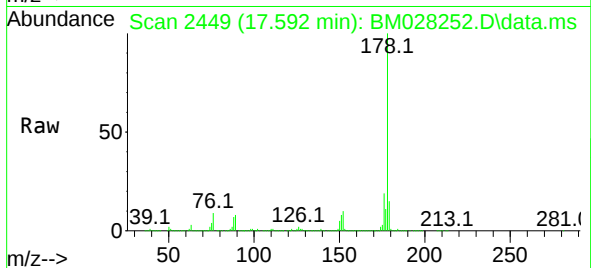




#71
Phenanthrene
Concen: 71.55 ng
RT: 17.592 min Scan# 2449
Delta R.T. 0.000 min
Lab File: BM028252.D
Acq: 23 Dec 2020 15:29

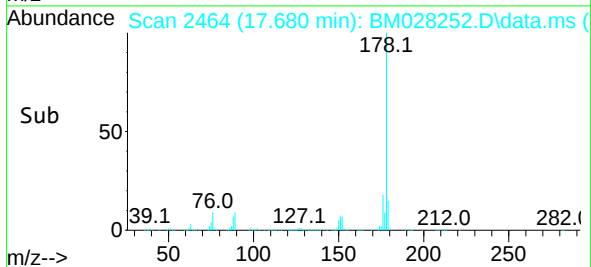
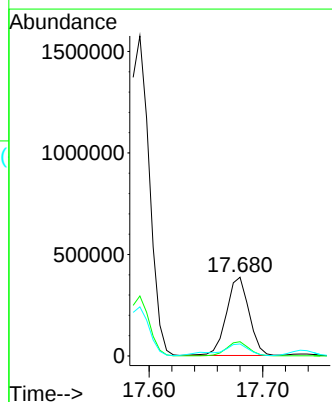
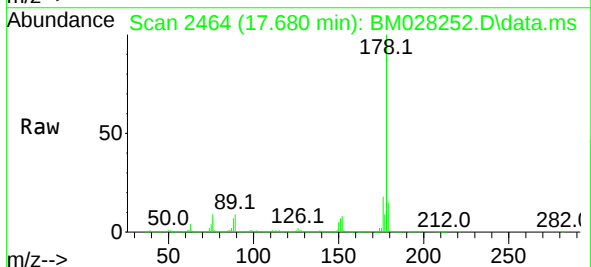
Instrument :
BNA_M
ClientSampleId :
08

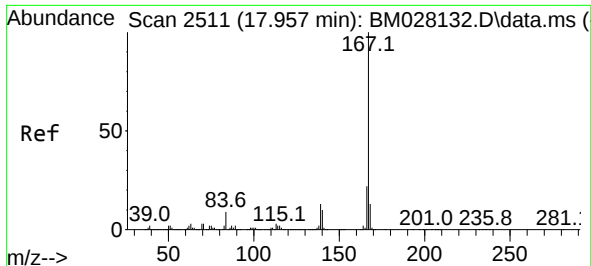
Tgt Ion:178 Resp: 2141747
Ion Ratio Lower Upper
178 100
176 18.8 15.0 22.6
179 15.3 12.2 18.4



#72
Anthracene
Concen: 18.43 ng
RT: 17.680 min Scan# 2464
Delta R.T. 0.000 min
Lab File: BM028252.D
Acq: 23 Dec 2020 15:29

Tgt Ion:178 Resp: 533416
Ion Ratio Lower Upper
178 100
176 18.1 15.0 22.4
179 15.3 12.5 18.7

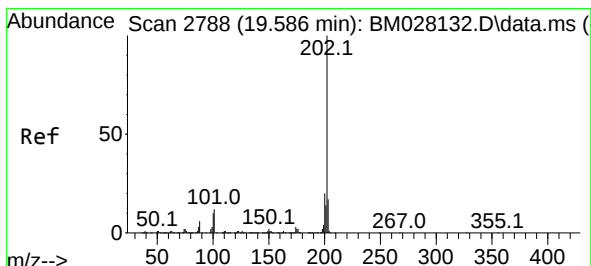
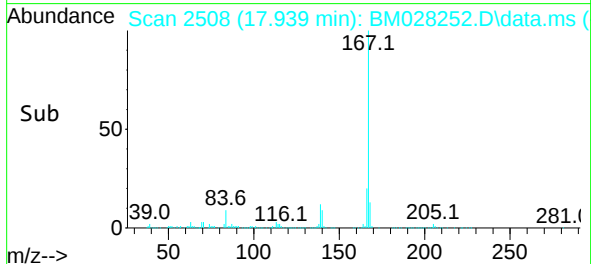
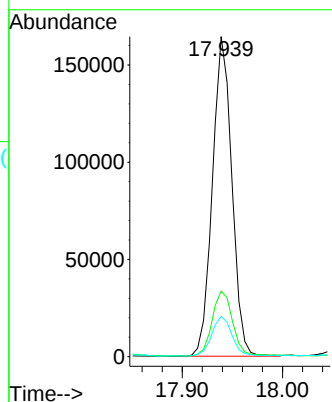
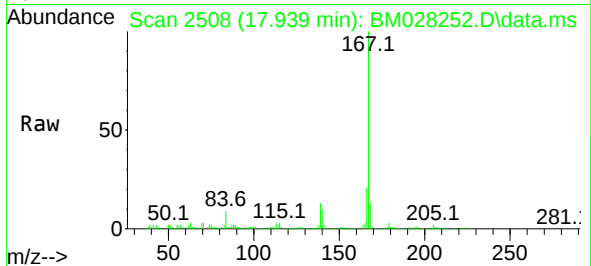




#73
 Carbazole
 Concen: 8.12 ng
 RT: 17.939 min Scan# 2508
 Delta R.T. -0.006 min
 Lab File: BM028252.D
 Acq: 23 Dec 2020 15:29

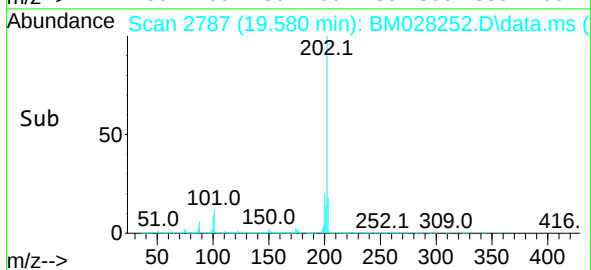
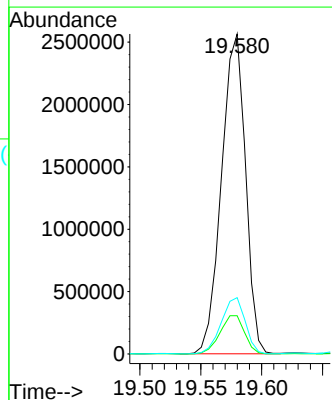
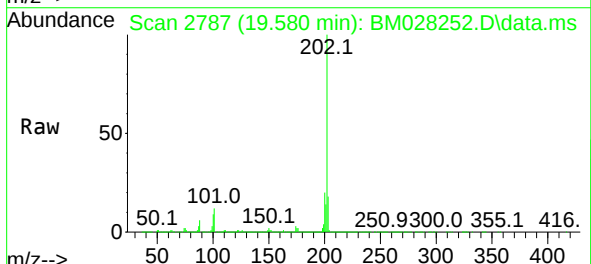
Instrument :
 BNA_M
 ClientSampleId :
 08

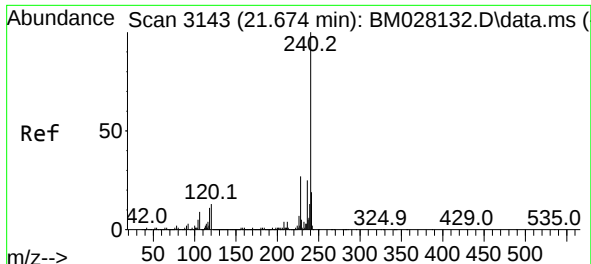
Tgt Ion:167 Resp: 221562
 Ion Ratio Lower Upper
 167 100
 166 20.5 16.9 25.3
 139 12.5 9.9 14.9



#75
 Fluoranthene
 Concen: 104.92 ng
 RT: 19.580 min Scan# 2787
 Delta R.T. 0.006 min
 Lab File: BM028252.D
 Acq: 23 Dec 2020 15:29

Tgt Ion:202 Resp: 3516651
 Ion Ratio Lower Upper
 202 100
 101 11.9 0.0 28.5
 203 17.6 0.0 37.3

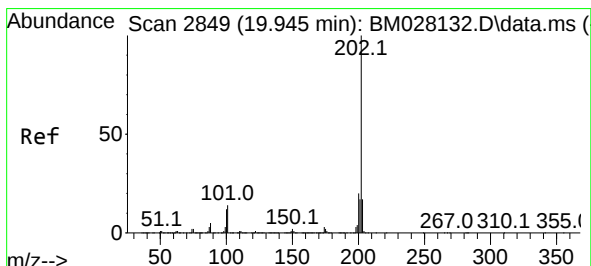
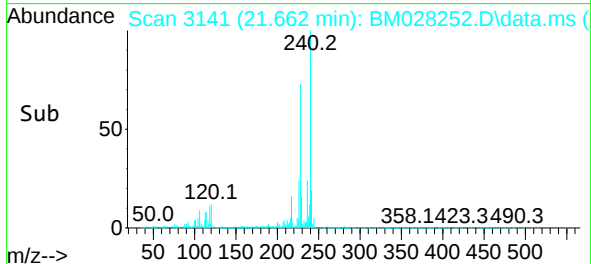
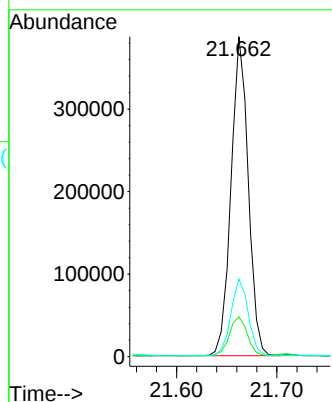
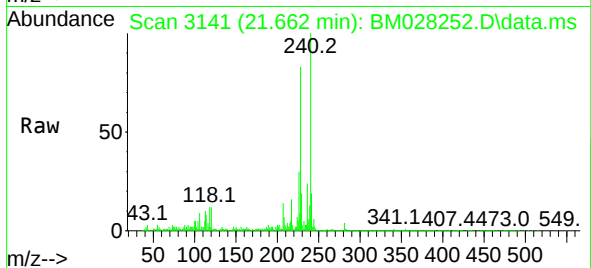




#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.662 min Scan# 3141
Delta R.T. 0.000 min
Lab File: BM028252.D
Acq: 23 Dec 2020 15:29

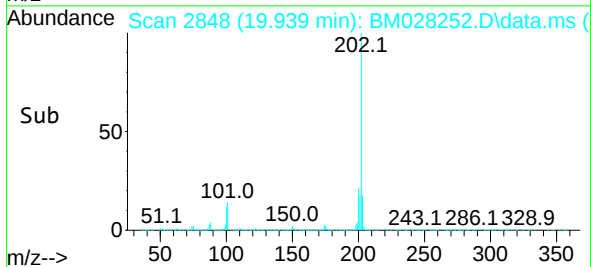
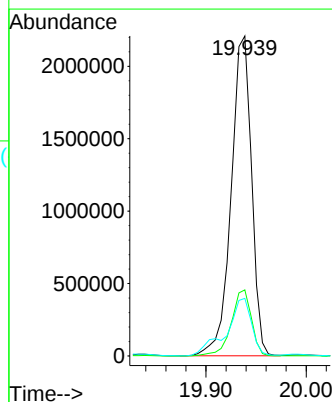
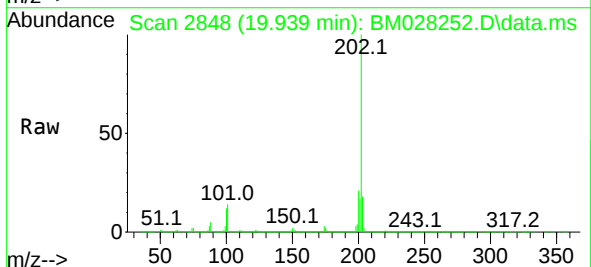
Instrument :
BNA_M
ClientSampleId :
08

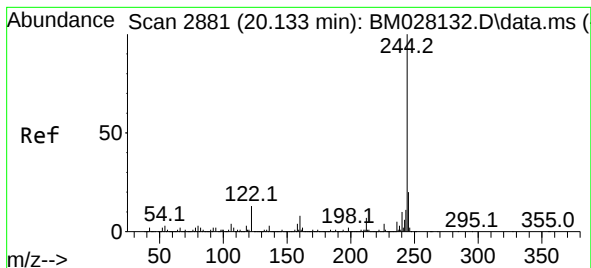
Tgt Ion:240 Resp: 460082
Ion Ratio Lower Upper
240 100
120 12.5 6.4 9.6#
236 24.3 20.1 30.1



#78
Pyrene
Concen: 93.98 ng
RT: 19.939 min Scan# 2848
Delta R.T. 0.006 min
Lab File: BM028252.D
Acq: 23 Dec 2020 15:29

Tgt Ion:202 Resp: 3130617
Ion Ratio Lower Upper
202 100
200 20.6 16.6 24.8
203 18.0 13.8 20.6





#79

Terphenyl-d14

Concen: 33.34 ng

RT: 20.121 min Scan# 2879

Delta R.T. 0.000 min

Lab File: BM028252.D

Acq: 23 Dec 2020 15:29

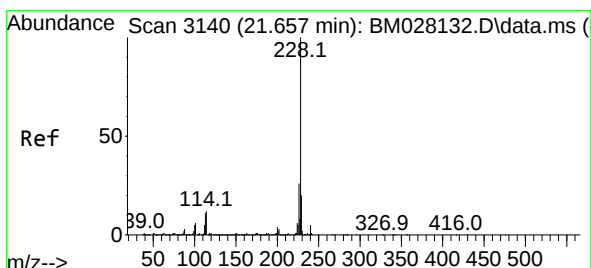
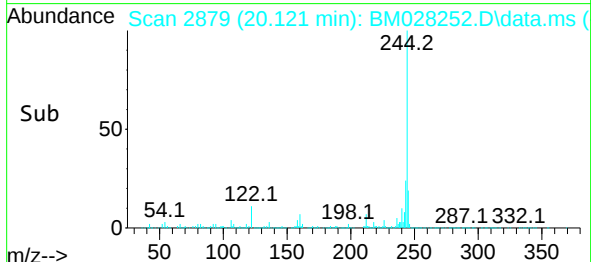
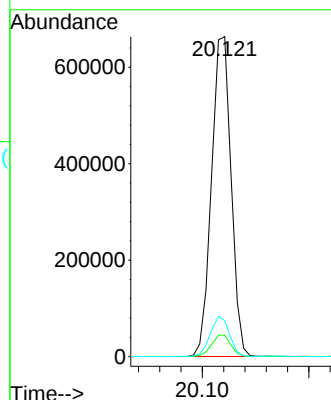
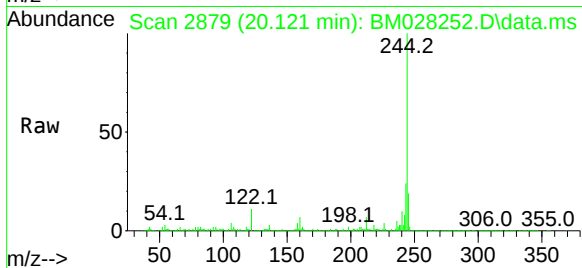
Tgt Ion:244 Resp: 845277

Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.8

122 11.3 6.5 9.7#



#81

Benzo(a)anthracene

Concen: 57.58 ng

RT: 21.650 min Scan# 3139

Delta R.T. 0.006 min

Lab File: BM028252.D

Acq: 23 Dec 2020 15:29

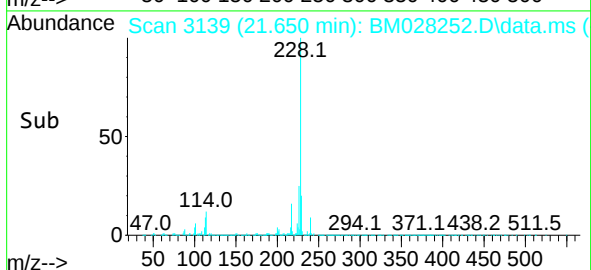
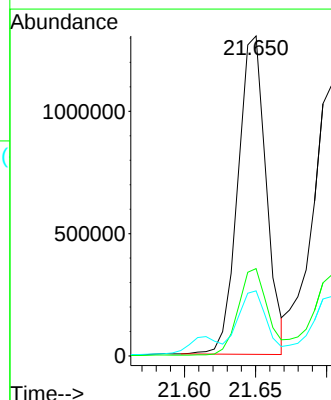
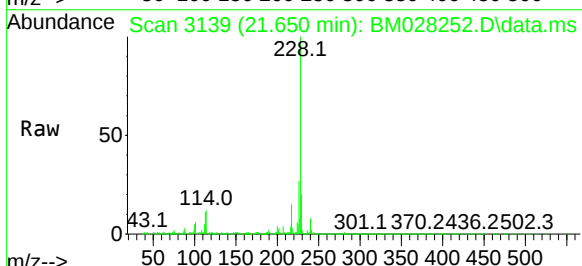
Tgt Ion:228 Resp: 1804595

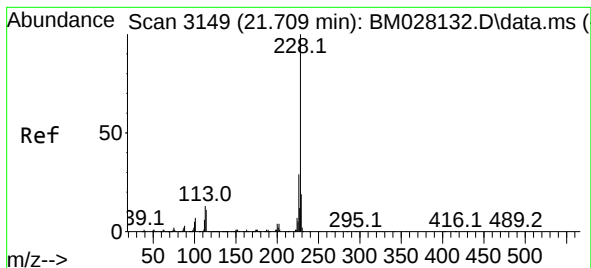
Ion Ratio Lower Upper

228 100

226 27.3 21.1 31.7

229 20.4 15.7 23.5





#83

Chrysene

Concen: 50.07 ng

RT: 21.703 min Scan# 3148

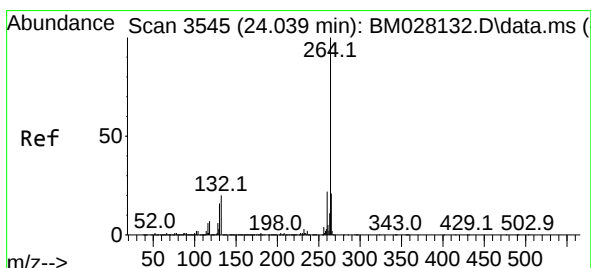
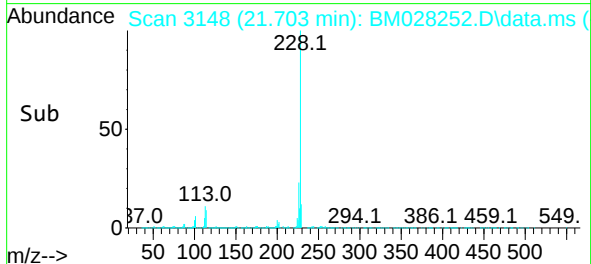
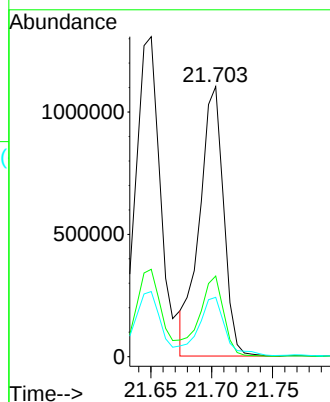
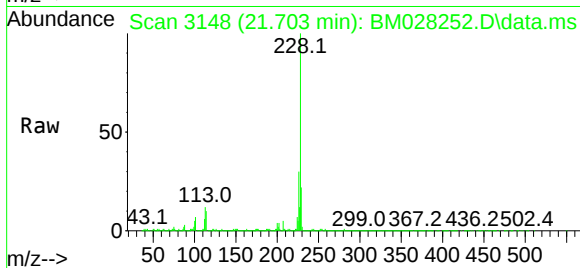
Delta R.T. 0.006 min

Lab File: BM028252.D

Acq: 23 Dec 2020 15:29

Tgt Ion:228 Resp: 1519556

Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.4	35.0
229	22.0	15.7	23.5



#86

Perylene-d12

Concen: 20.00 ng

RT: 24.027 min Scan# 3543

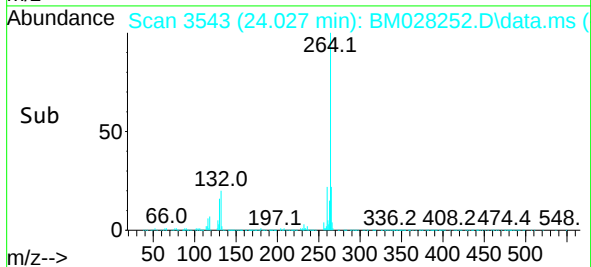
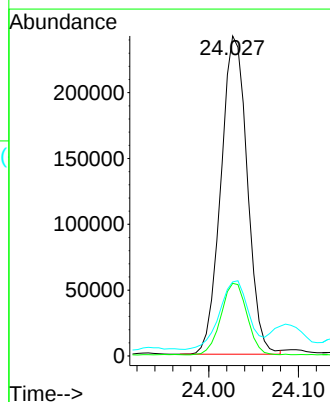
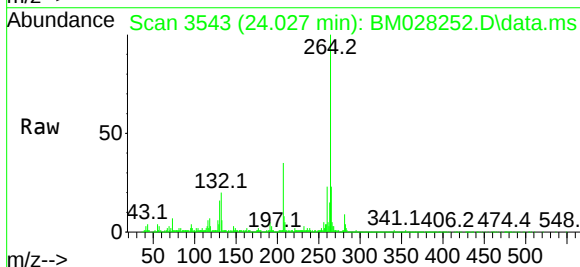
Delta R.T. 0.006 min

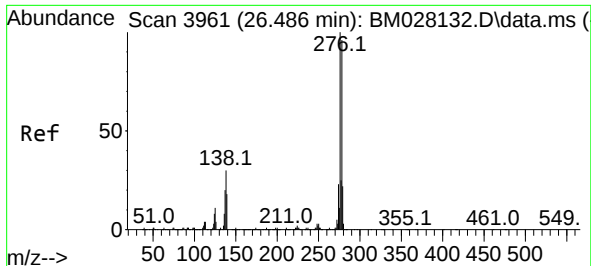
Lab File: BM028252.D

Acq: 23 Dec 2020 15:29

Tgt Ion:264 Resp: 492818

Ion	Ratio	Lower	Upper
264	100		
260	22.7	19.0	28.4
265	23.1	17.7	26.5

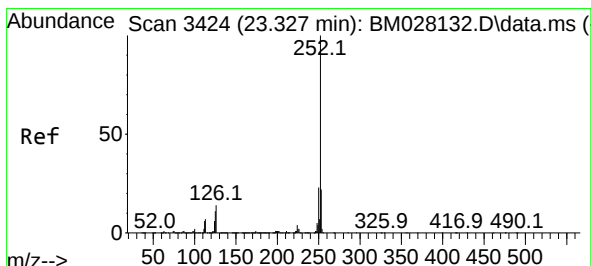
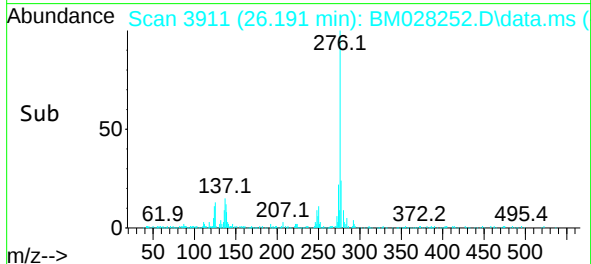
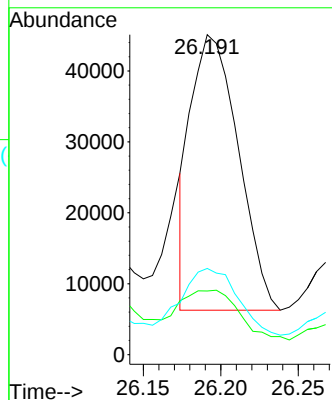
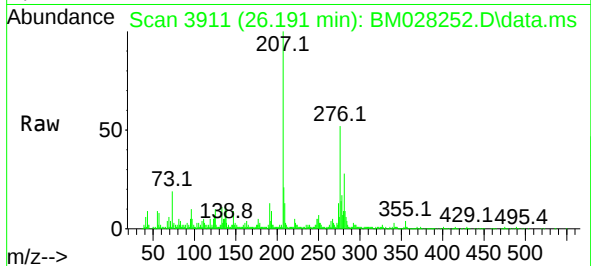




#87
Indeno(1,2,3-cd)pyrene
Concen: 2.51 ng
RT: 26.191 min Scan# 3911
Delta R.T. -0.265 min
Lab File: BM028252.D
Acq: 23 Dec 2020 15:29

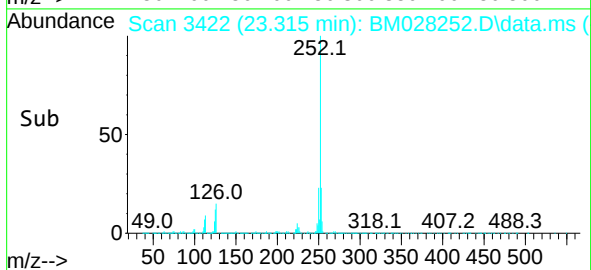
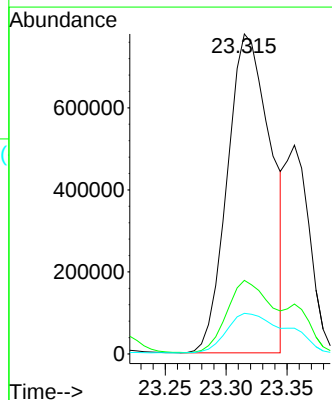
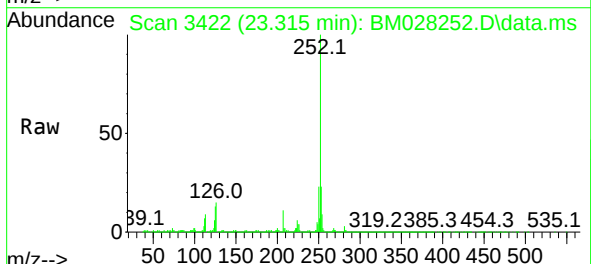
Instrument :
BNA_M
ClientSampleId :
08

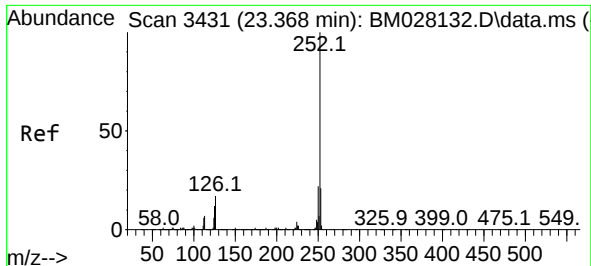
Tgt Ion:276 Resp: 82337
Ion Ratio Lower Upper
276 100
138 19.0 14.2 21.4
277 24.3 19.8 29.8



#88
Benzo(b)fluoranthene
Concen: 57.42 ng
RT: 23.315 min Scan# 3422
Delta R.T. 0.006 min
Lab File: BM028252.D
Acq: 23 Dec 2020 15:29

Tgt Ion:252 Resp: 1927819
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.0
125 12.7 5.7 8.5#

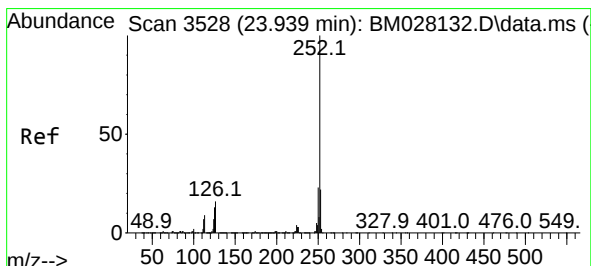
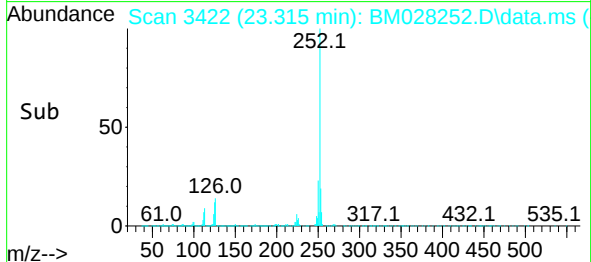
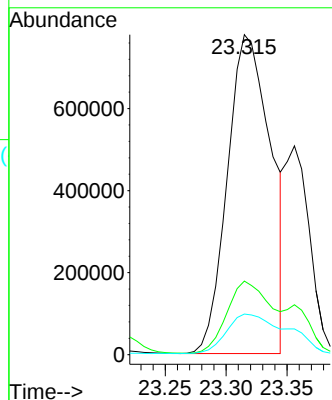
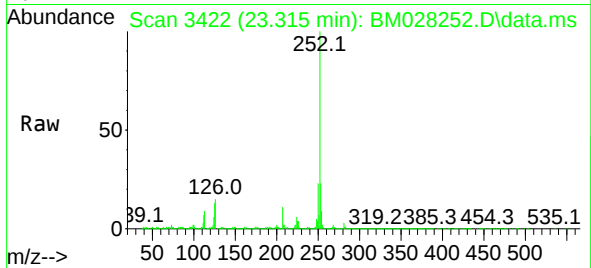




#89
Benzo(k)fluoranthene
Concen: 59.09 ng
RT: 23.315 min Scan# 3422
Delta R.T. -0.041 min
Lab File: BM028252.D
Acq: 23 Dec 2020 15:29

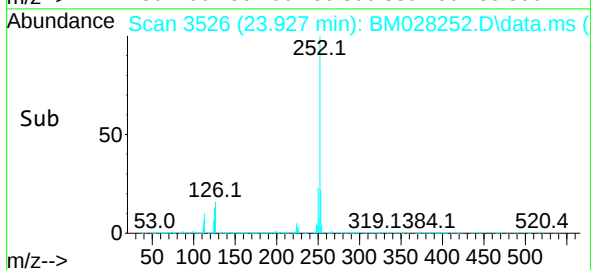
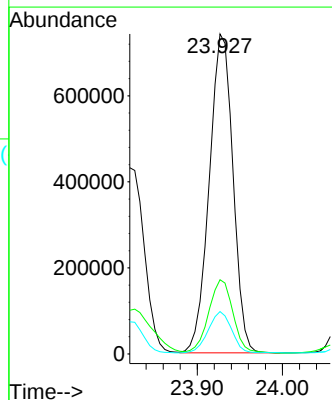
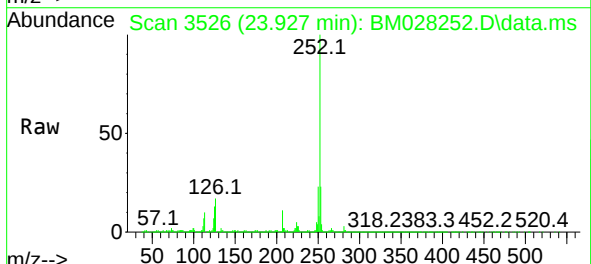
Instrument :
BNA_M
ClientSampled :
08

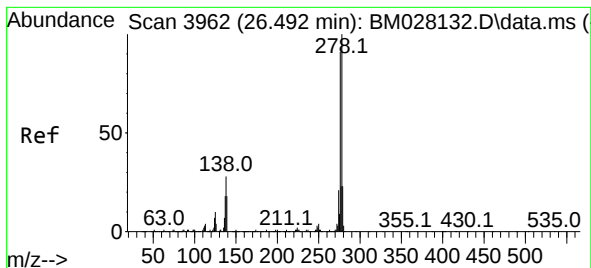
Tgt Ion:252 Resp: 1927819
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.0
125 12.7 5.6 8.4#



#90
Benzo(a)pyrene
Concen: 47.54 ng
RT: 23.927 min Scan# 3526
Delta R.T. 0.006 min
Lab File: BM028252.D
Acq: 23 Dec 2020 15:29

Tgt Ion:252 Resp: 1432636
Ion Ratio Lower Upper
252 100
253 23.2 17.4 26.2
125 13.2 6.6 9.8#





#91

Dibenzo(a,h)anthracene

Concen: 9.20 ng

RT: 26.456 min Scan# 3956

Delta R.T. -0.006 min

Lab File: BM028252.D

Acq: 23 Dec 2020 15:29

Instrument :

BNA_M

ClientSampleId :

08

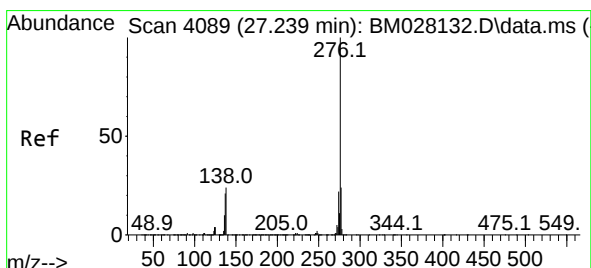
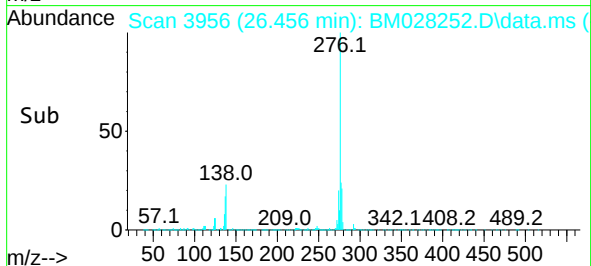
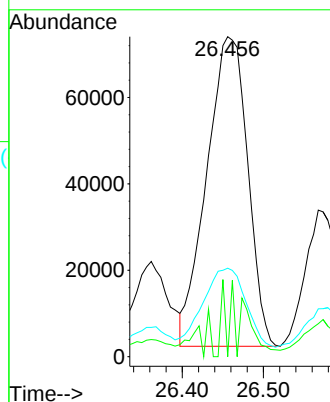
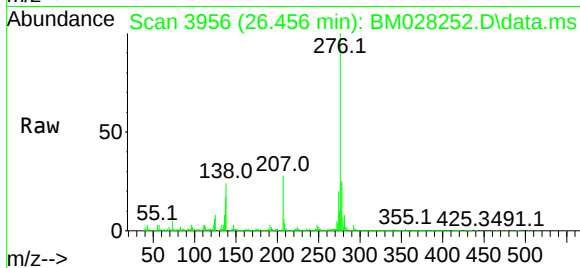
Tgt Ion:278 Resp: 251381

Ion Ratio Lower Upper

278 100

139 0.0 9.0 13.6#

279 27.7 19.0 28.4



#92

Benzo(g,h,i)perylene

Concen: 30.25 ng

RT: 27.209 min Scan# 4084

Delta R.T. 0.006 min

Lab File: BM028252.D

Acq: 23 Dec 2020 15:29

Tgt Ion:276 Resp: 790097

Ion Ratio Lower Upper

276 100

277 24.5 18.6 28.0

138 25.7 12.2 18.2#

