

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041621\
 Data File : BM029528.D
 Acq On : 16 Apr 2021 18:58
 Operator : CG/JU
 Sample : M2050-09 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TP-4

Quant Time: Apr 16 23:20:25 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040121.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 16 11:56:50 2021
 Response via : Initial Calibration

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

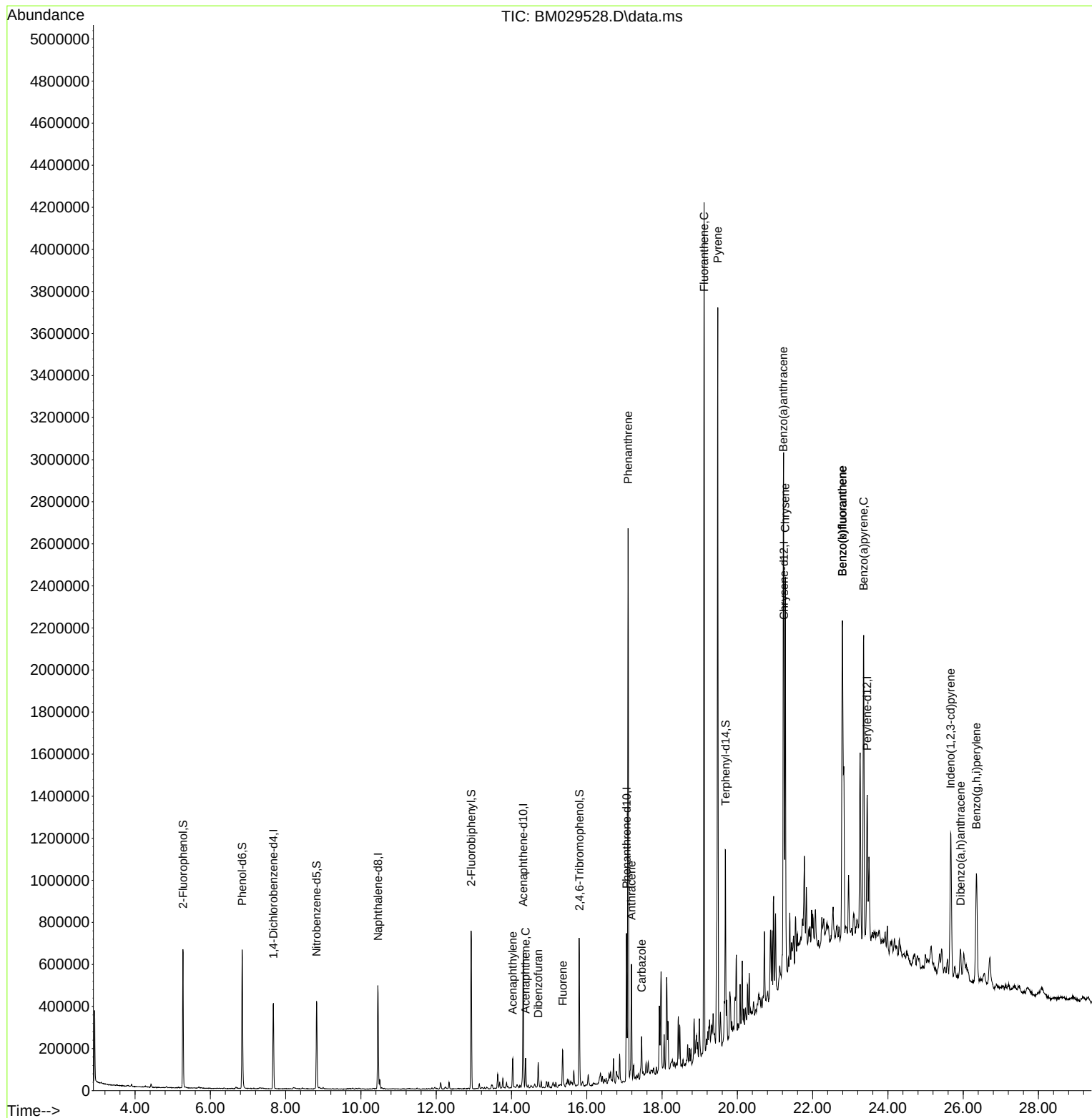
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.675	152	94155	20.00	ng	0.00
21) Naphthalene-d8	10.451	136	354378	20.00	ng	0.00
39) Acenaphthene-d10	14.310	164	191502	20.00	ng	0.00
64) Phenanthrene-d10	17.057	188	369373	20.00	ng	0.00
76) Chrysene-d12	21.239	240	381328	20.00	ng	0.00
86) Perylene-d12	23.450	264	403249	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.275	112	237272	41.61	ng	0.00
7) Phenol-d6	6.846	99	311831	38.73	ng	0.00
23) Nitrobenzene-d5	8.822	82	232559	30.09	ng	0.00
42) 2,4,6-Tribromophenol	15.804	330	75437	39.41	ng	0.00
45) 2-Fluorobiphenyl	12.928	172	334139	24.31	ng	0.00
79) Terphenyl-d14	19.686	244	336924	16.78	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.033	152	87748	4.91	ng	98
52) Acenaphthene	14.375	154	43553	3.94	ng	96
55) Dibenzofuran	14.710	168	52724	3.04	ng	# 96
58) Fluorene	15.363	166	68127	4.79	ng	99
71) Phenanthrene	17.098	178	1355875	63.47	ng	99
72) Anthracene	17.186	178	296955	14.08	ng	100
73) Carbazole	17.457	167	105850	5.14	ng	97
75) Fluoranthene	19.115	202	2033306	85.44	ng	99
78) Pyrene	19.480	202	1851653	69.88	ng	99
81) Benzo(a)anthracene	21.221	228	952379	37.42	ng	97
83) Chrysene	21.274	228	832331	33.40	ng	97
87) Indeno(1,2,3-cd)pyrene	25.668	276	567726	19.10	ng	97
88) Benzo(b)fluoranthene	22.792	252	1485970	56.11	ng	97
89) Benzo(k)fluoranthene	22.792	252	1485970	58.68	ng	# 97
90) Benzo(a)pyrene	23.356	252	853469	35.25	ng	96
91) Dibenz(a,h)anthracene	25.933	278	120726	4.73	ng	99
92) Benzo(g,h,i)perylene	26.350	276	547859	22.27	ng	97

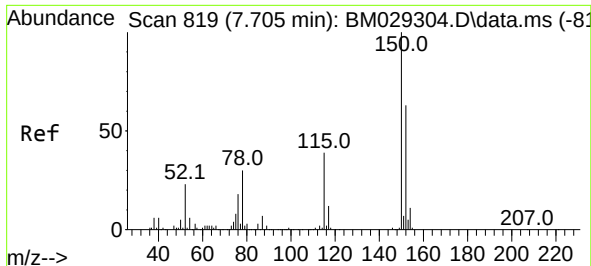
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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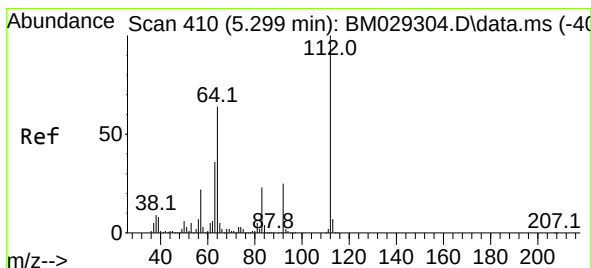
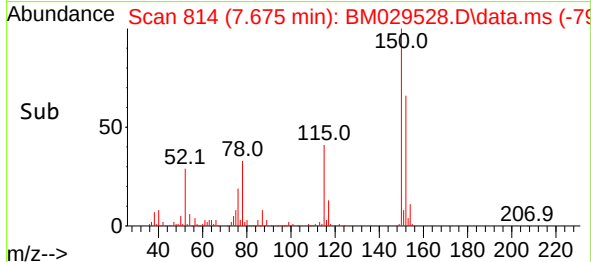
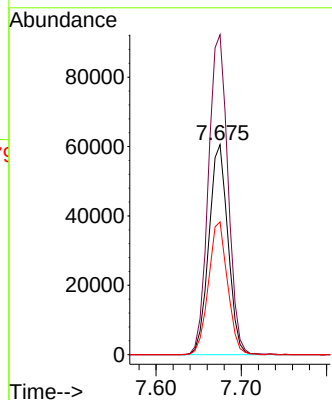
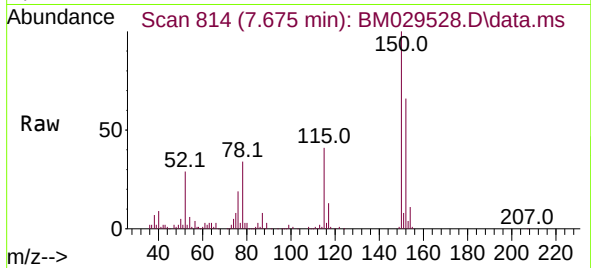




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.675 min Scan# 814
Delta R.T. 0.000 min
Lab File: BM029528.D
Acq: 16 Apr 2021 18:58

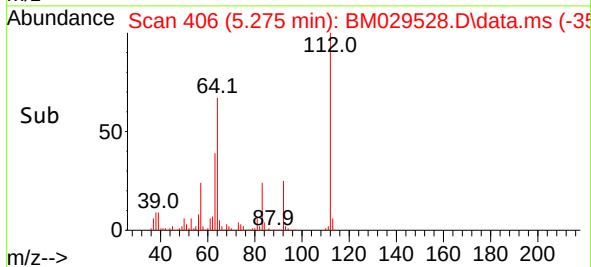
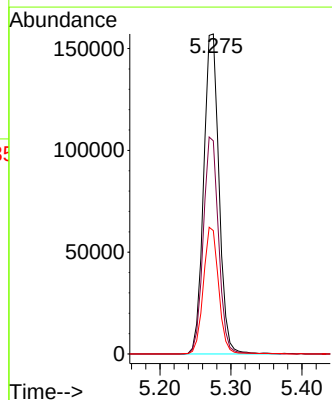
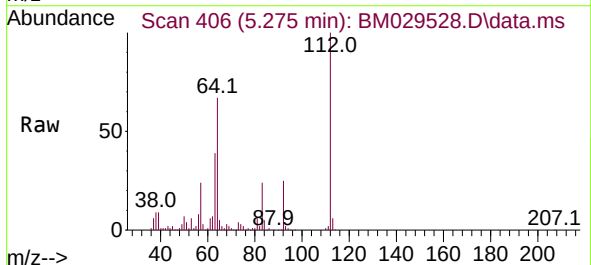
Instrument :
BNA_M
ClientSampled :
TP-4

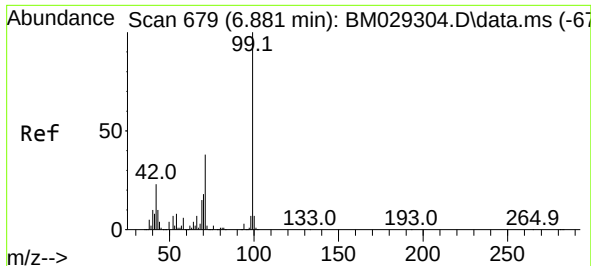
Tgt Ion:152 Resp: 94155
Ion Ratio Lower Upper
152 100
150 152.3 124.3 186.5
115 63.2 46.4 69.6



#5
2-Fluorophenol
Concen: 41.61 ng
RT: 5.275 min Scan# 406
Delta R.T. 0.006 min
Lab File: BM029528.D
Acq: 16 Apr 2021 18:58

Tgt Ion:112 Resp: 237272
Ion Ratio Lower Upper
112 100
64 66.6 51.6 77.4
63 38.5 29.0 43.4

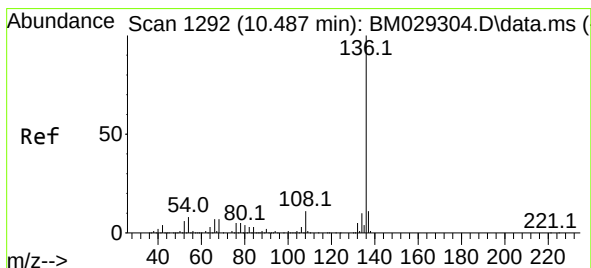
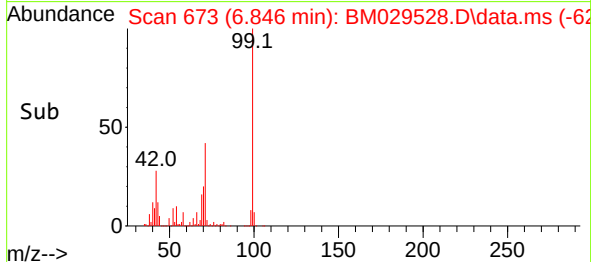
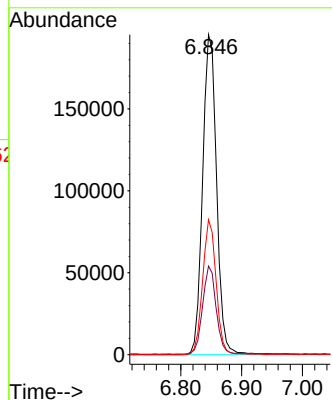
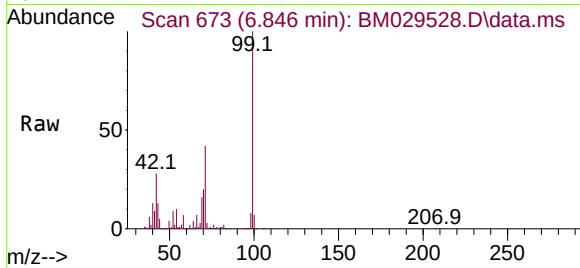




#7
Phenol-d6
Concen: 38.73 ng
RT: 6.846 min Scan# 673
Delta R.T. -0.006 min
Lab File: BM029528.D
Acq: 16 Apr 2021 18:58

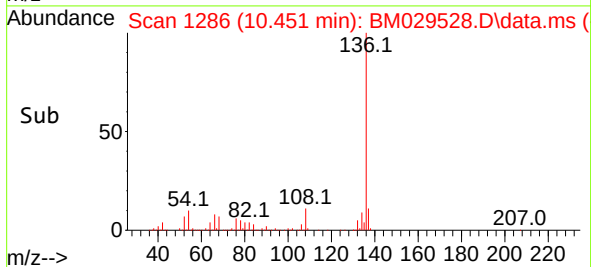
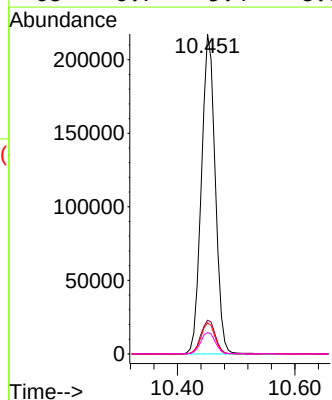
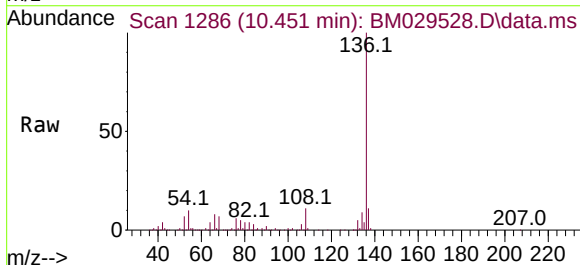
Instrument :
BNA_M
ClientSampleId :
TP-4

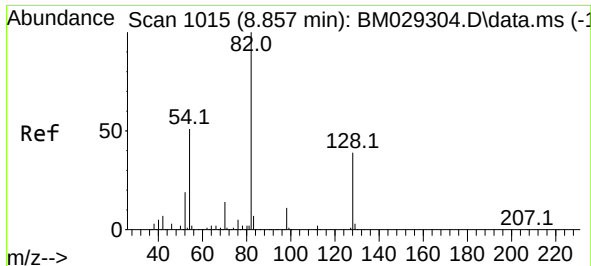
Tgt Ion:	99	Resp:	311831
Ion	Ratio	Lower	Upper
99	100		
42	27.7	18.5	27.7
71	42.2	31.8	47.6



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.451 min Scan# 1286
Delta R.T. -0.006 min
Lab File: BM029528.D
Acq: 16 Apr 2021 18:58

Tgt Ion:	136	Resp:	354378
Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.3	13.9
54	9.8	6.9	10.3
68	6.7	5.4	8.0

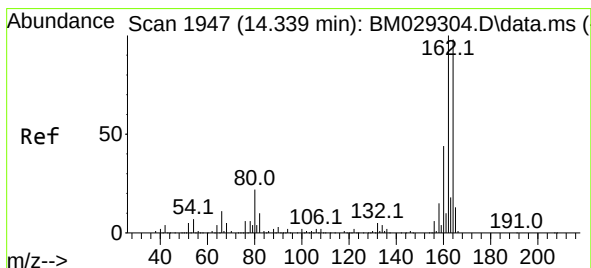
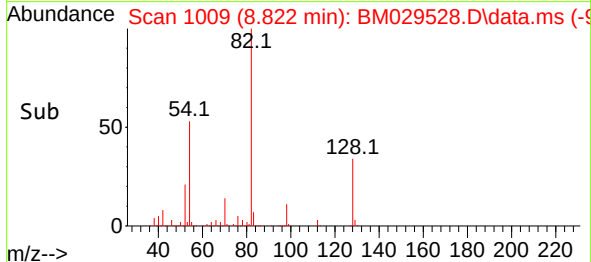
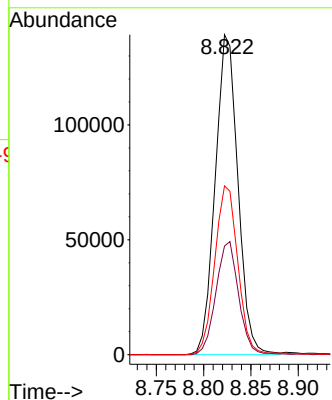
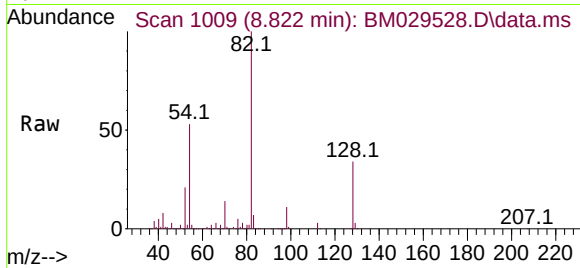




#23
Nitrobenzene-d5
Concen: 30.09 ng
RT: 8.822 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BM029528.D
Acq: 16 Apr 2021 18:58

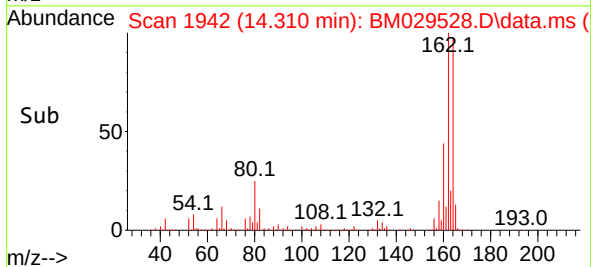
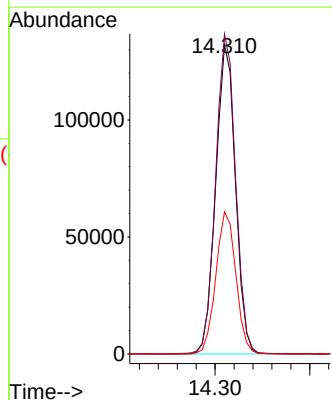
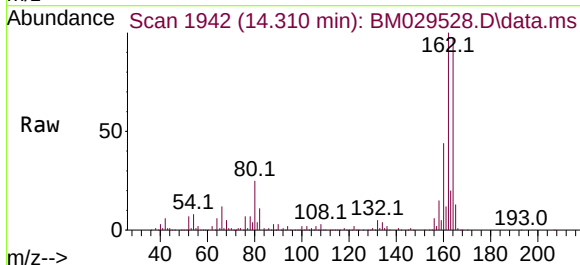
Instrument :
BNA_M
ClientSampled :
TP-4

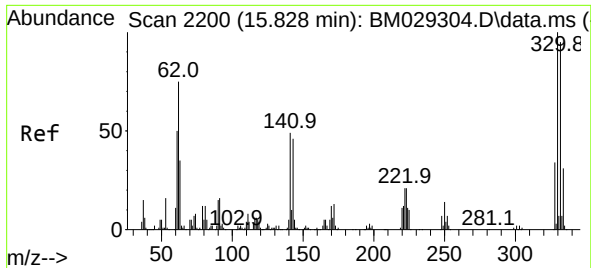
Tgt Ion: 82 Resp: 232559
Ion Ratio Lower Upper
82 100
128 34.0 28.6 42.8
54 52.8 40.7 61.1



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.310 min Scan# 1942
Delta R.T. -0.006 min
Lab File: BM029528.D
Acq: 16 Apr 2021 18:58

Tgt Ion:164 Resp: 191502
Ion Ratio Lower Upper
164 100
162 103.4 84.4 126.6
160 45.9 36.6 54.8

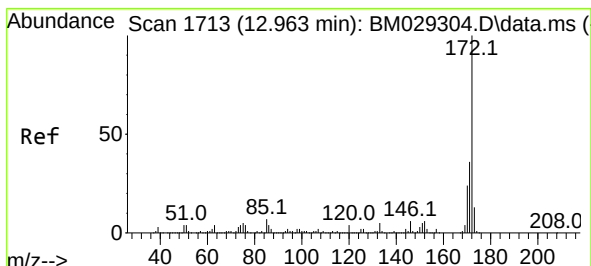
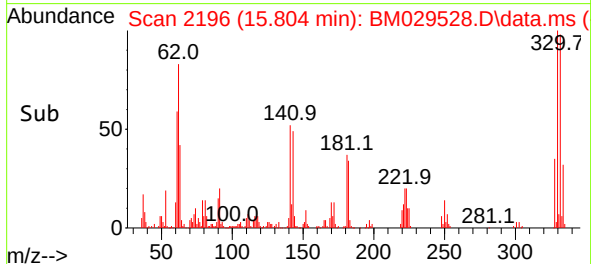
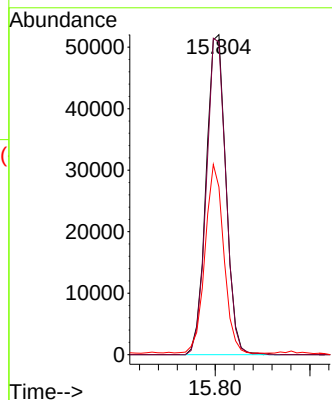
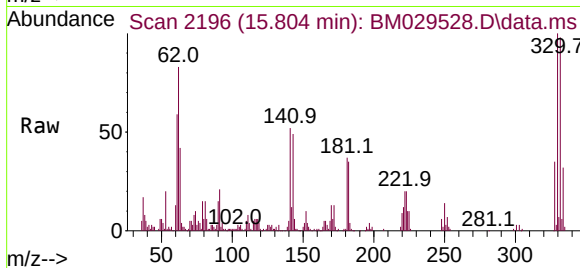




#42
2,4,6-Tribromophenol
Concen: 39.41 ng
RT: 15.804 min Scan# 2196
Delta R.T. 0.000 min
Lab File: BM029528.D
Acq: 16 Apr 2021 18:58

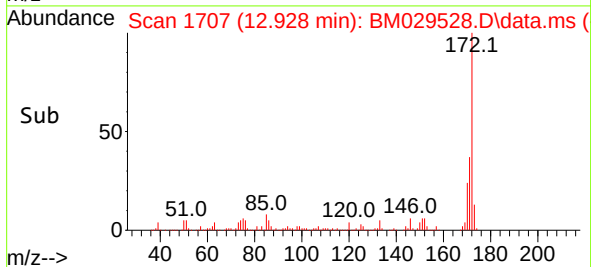
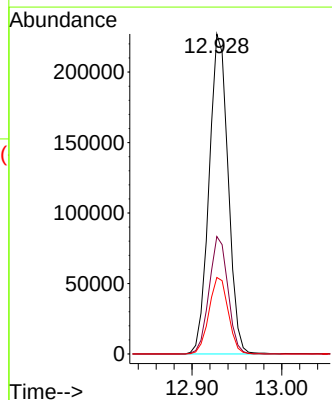
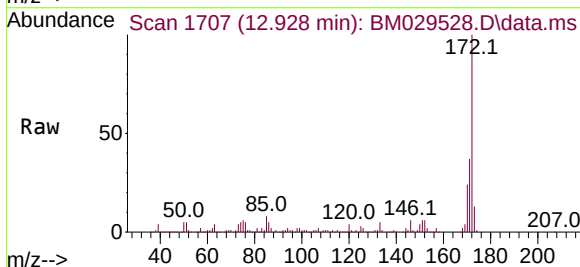
Instrument :
BNA_M
ClientSampled :
TP-4

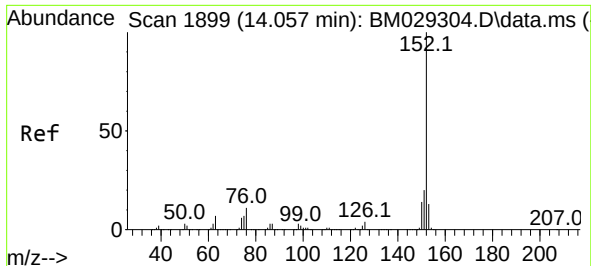
Tgt Ion:330 Resp: 75437
Ion Ratio Lower Upper
330 100
332 97.5 77.1 115.7
141 56.1 39.2 58.8



#45
2-Fluorobiphenyl
Concen: 24.31 ng
RT: 12.928 min Scan# 1707
Delta R.T. -0.006 min
Lab File: BM029528.D
Acq: 16 Apr 2021 18:58

Tgt Ion:172 Resp: 334139
Ion Ratio Lower Upper
172 100
171 36.7 28.7 43.1
170 23.9 18.8 28.2

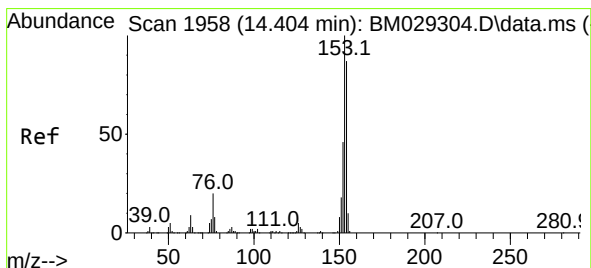
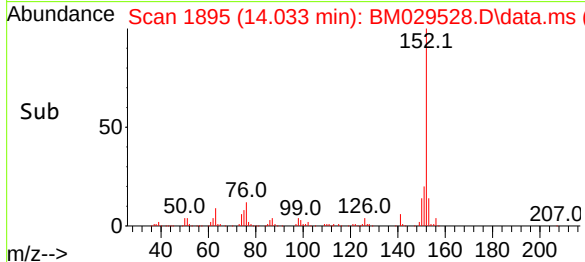
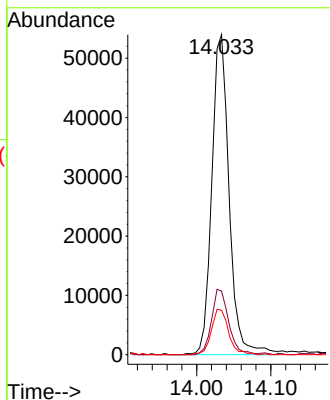
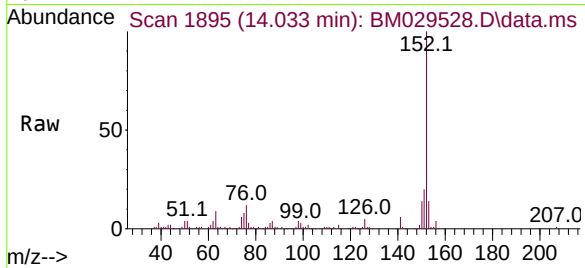




#49
Acenaphthylene
Concen: 4.91 ng
RT: 14.033 min Scan# 1895
Delta R.T. 0.000 min
Lab File: BM029528.D
Acq: 16 Apr 2021 18:58

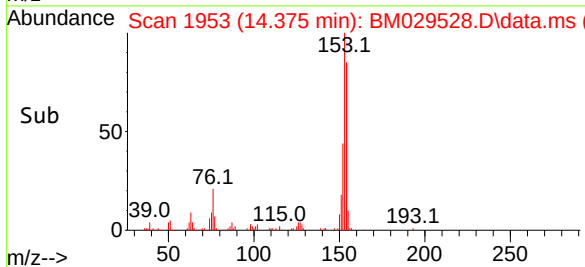
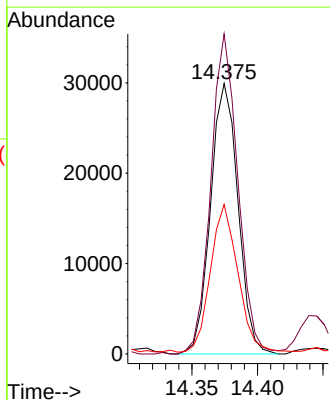
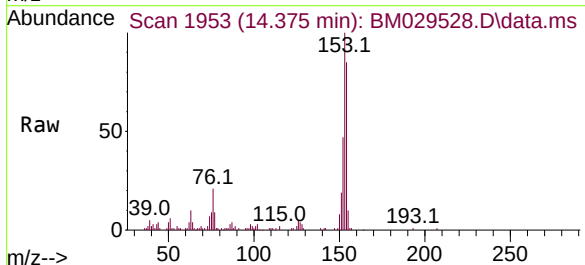
Instrument :
BNA_M
ClientSampled :
TP-4

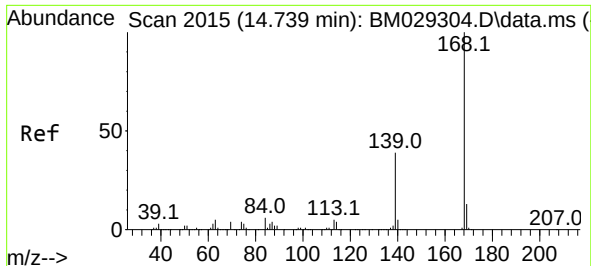
Tgt Ion:152 Resp: 87748
Ion Ratio Lower Upper
152 100
151 19.9 16.2 24.4
153 13.8 10.2 15.2



#52
Acenaphthene
Concen: 3.94 ng
RT: 14.375 min Scan# 1953
Delta R.T. -0.006 min
Lab File: BM029528.D
Acq: 16 Apr 2021 18:58

Tgt Ion:154 Resp: 43553
Ion Ratio Lower Upper
154 100
153 118.3 90.5 135.7
152 55.3 43.4 65.2

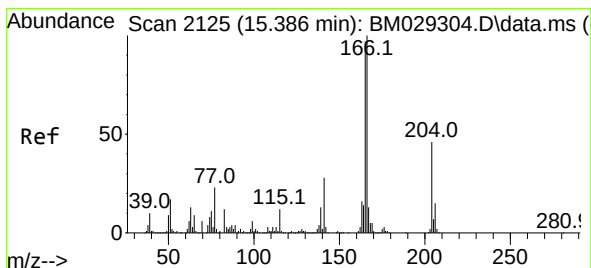
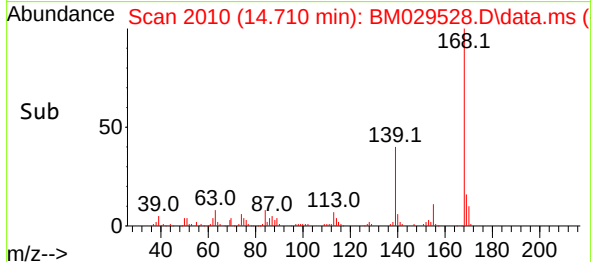
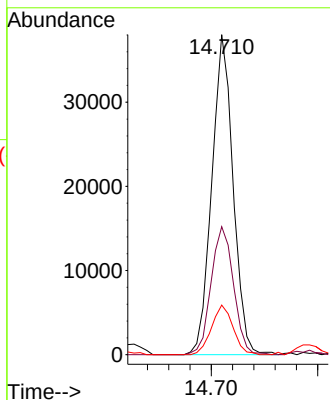
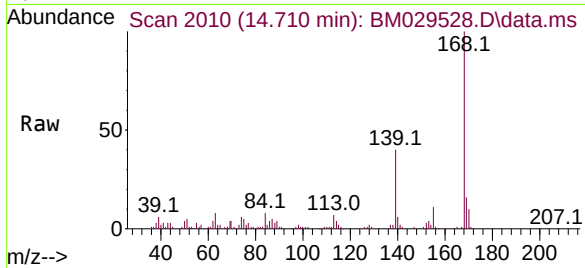




#55
Dibenzenofuran
Concen: 3.04 ng
RT: 14.710 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BM029528.D
Acq: 16 Apr 2021 18:58

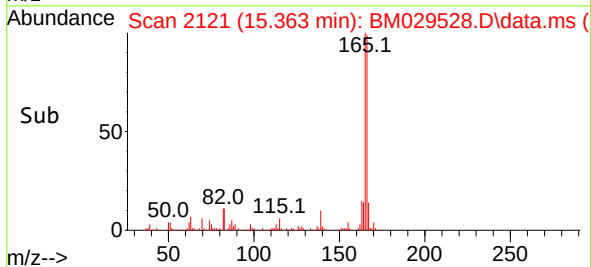
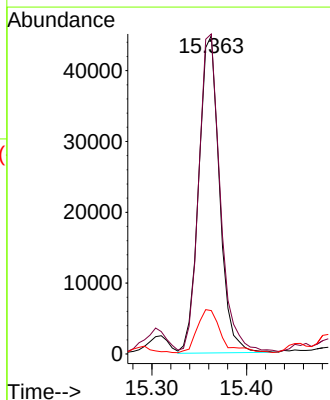
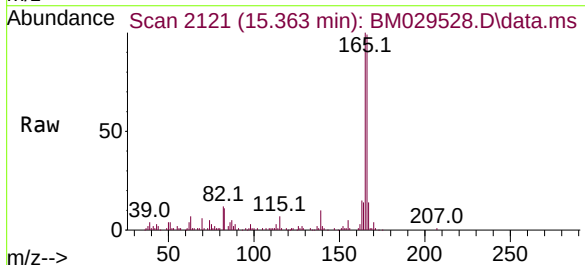
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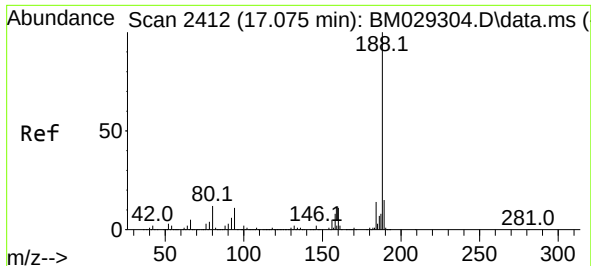
Tgt Ion:168 Resp: 52724
Ion Ratio Lower Upper
168 100
139 40.0 30.6 46.0
169 15.5 10.2 15.4#



#58
Fluorene
Concen: 4.79 ng
RT: 15.363 min Scan# 2121
Delta R.T. 0.000 min
Lab File: BM029528.D
Acq: 16 Apr 2021 18:58

Tgt Ion:166 Resp: 68127
Ion Ratio Lower Upper
166 100
165 100.6 79.6 119.4
167 13.7 11.0 16.6

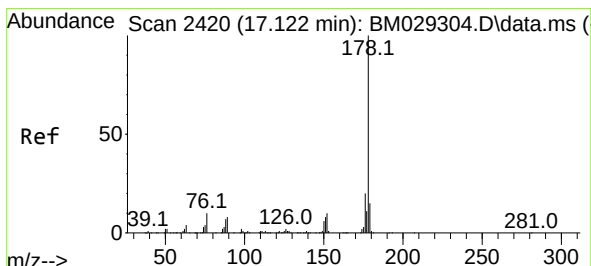
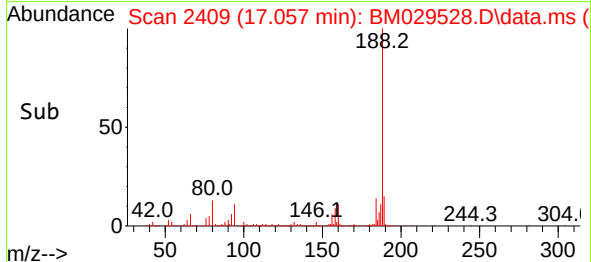
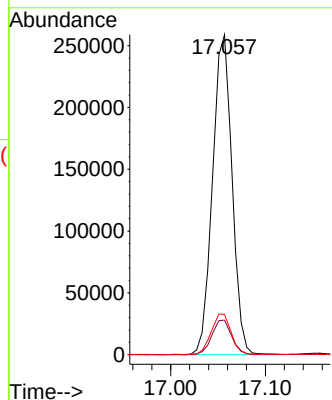
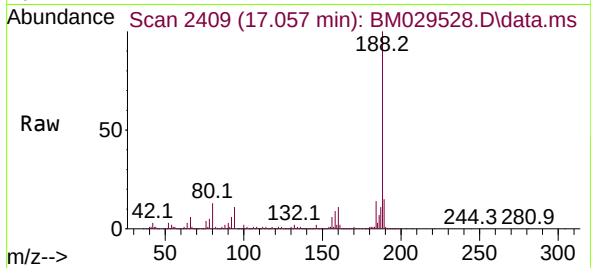




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.057 min Scan# 2409
Delta R.T. 0.000 min
Lab File: BM029528.D
Acq: 16 Apr 2021 18:58

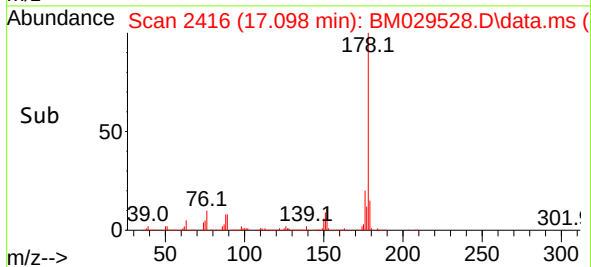
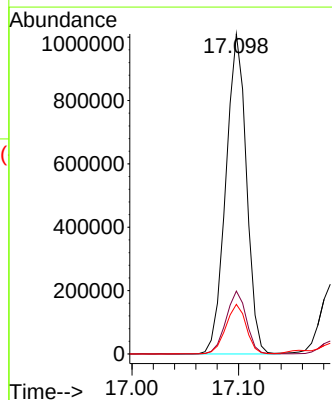
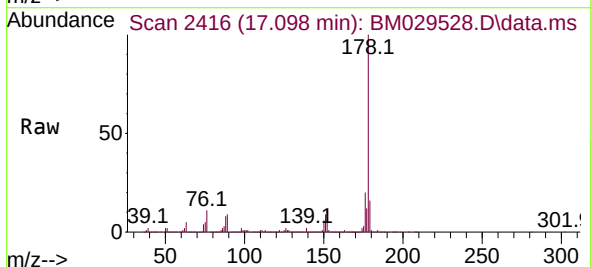
Instrument :
BNA_M
ClientSampled :
TP-4

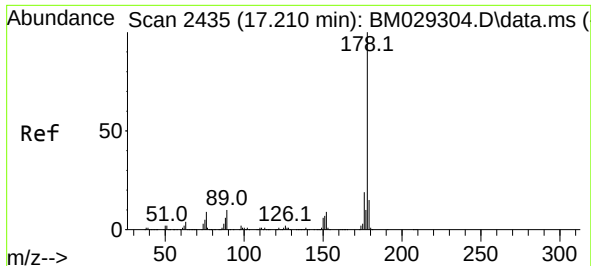
Tgt Ion:188 Resp: 369373
Ion Ratio Lower Upper
188 100
94 10.8 8.1 12.1
80 12.6 9.2 13.8



#71
Phenanthrene
Concen: 63.47 ng
RT: 17.098 min Scan# 2416
Delta R.T. 0.000 min
Lab File: BM029528.D
Acq: 16 Apr 2021 18:58

Tgt Ion:178 Resp: 1355875
Ion Ratio Lower Upper
178 100
176 19.6 15.7 23.5
179 15.5 11.9 17.9

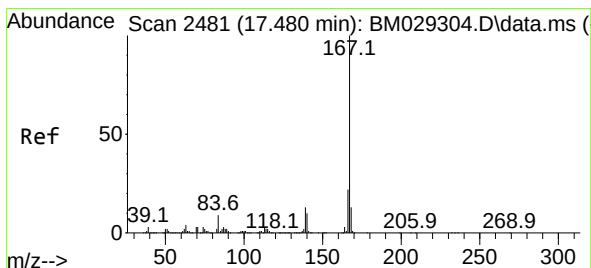
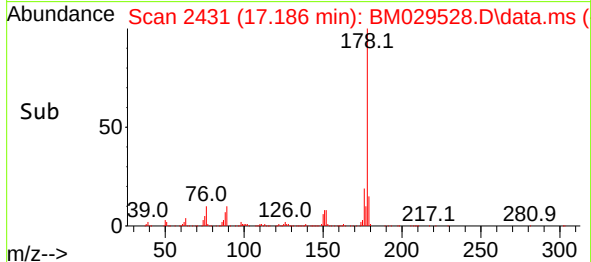
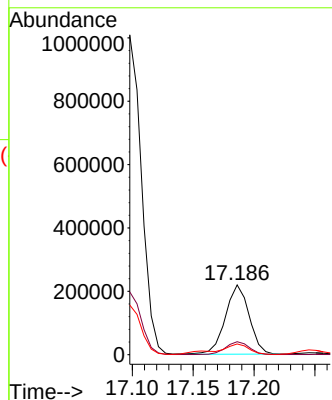
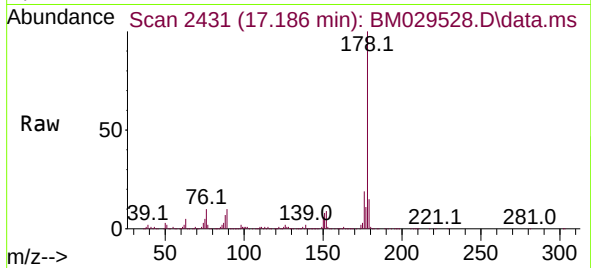




#72
 Anthracene
 Concen: 14.08 ng
 RT: 17.186 min Scan# 2431
 Delta R.T. -0.006 min
 Lab File: BM029528.D
 Acq: 16 Apr 2021 18:58

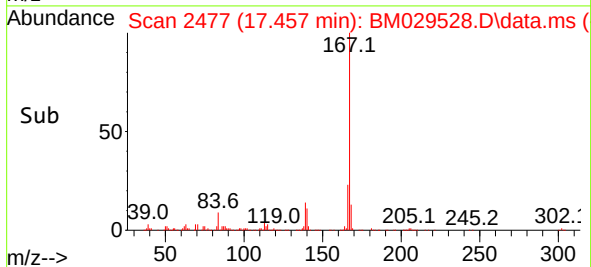
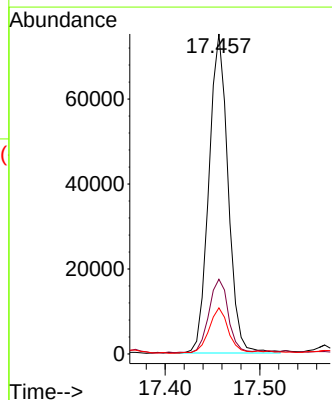
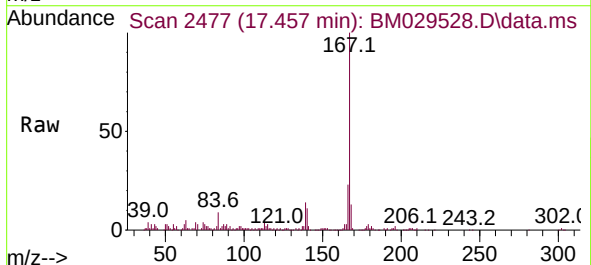
Instrument :
 BNA_M
 ClientSampled :
 TP-4

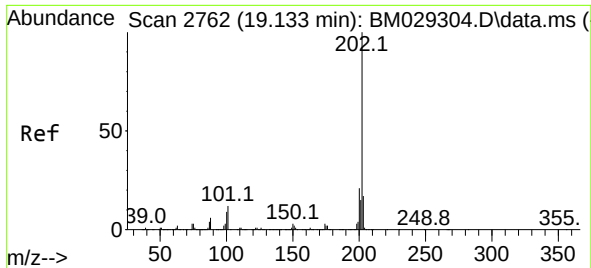
Tgt Ion:178 Resp: 296955
 Ion Ratio Lower Upper
 178 100
 176 18.7 14.9 22.3
 179 15.3 12.1 18.1



#73
 Carbazole
 Concen: 5.14 ng
 RT: 17.457 min Scan# 2477
 Delta R.T. 0.000 min
 Lab File: BM029528.D
 Acq: 16 Apr 2021 18:58

Tgt Ion:167 Resp: 105850
 Ion Ratio Lower Upper
 167 100
 166 23.4 17.5 26.3
 139 14.4 10.6 15.8

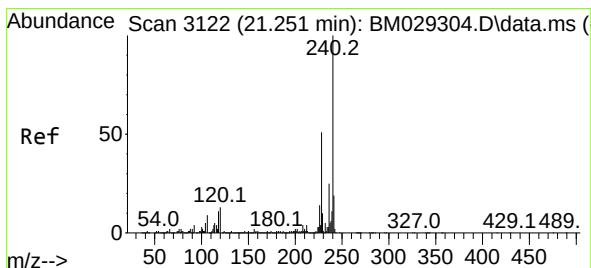
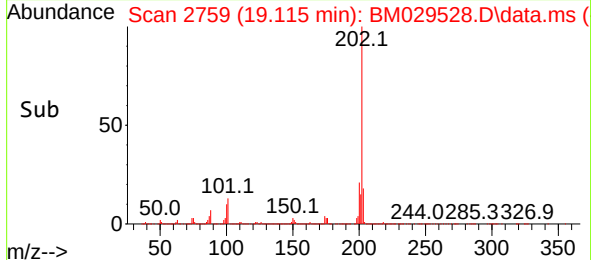
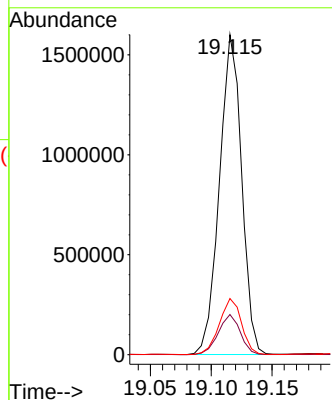
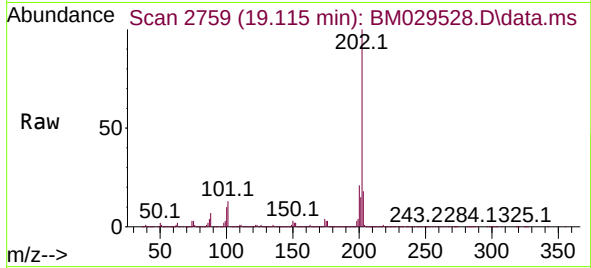




#75
Fluoranthene
Concen: 85.44 ng
RT: 19.115 min Scan# 2759
Delta R.T. 0.000 min
Lab File: BM029528.D
Acq: 16 Apr 2021 18:58

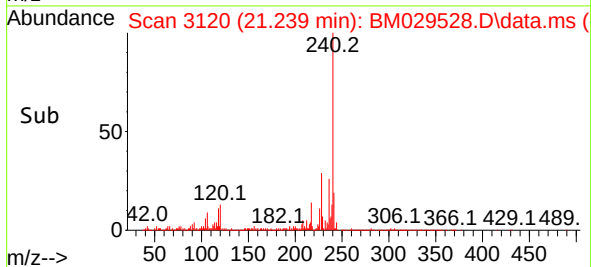
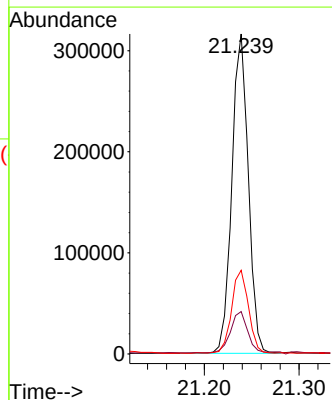
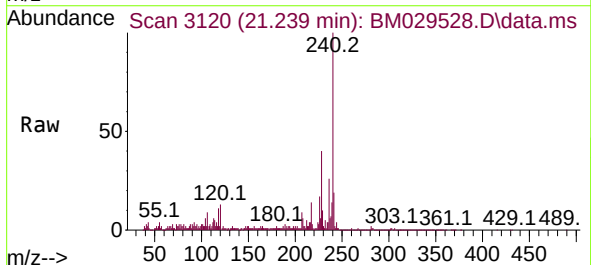
Instrument :
BNA_M
ClientSampled :
TP-4

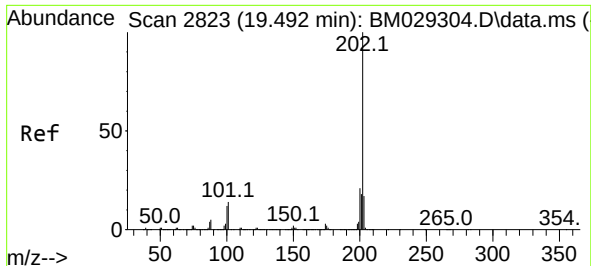
Tgt Ion:202 Resp: 2033306
Ion Ratio Lower Upper
202 100
101 12.6 0.0 31.5
203 17.5 0.0 37.7



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.239 min Scan# 3120
Delta R.T. 0.006 min
Lab File: BM029528.D
Acq: 16 Apr 2021 18:58

Tgt Ion:240 Resp: 381328
Ion Ratio Lower Upper
240 100
120 13.2 9.0 13.6
236 26.1 20.3 30.5

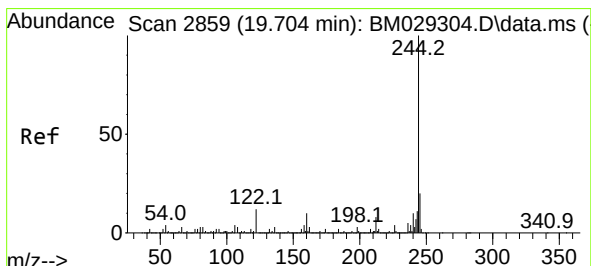
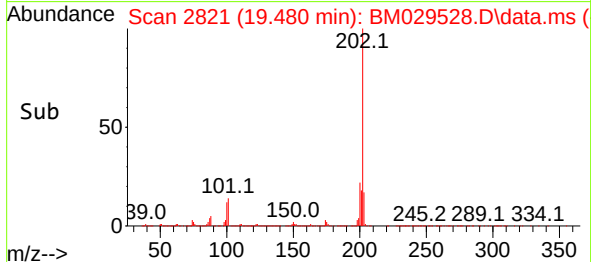
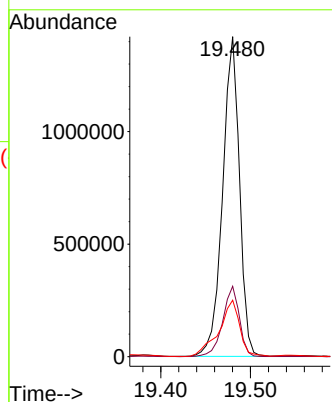
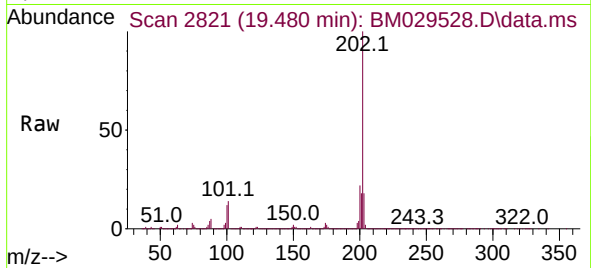




#78
Pyrene
Concen: 69.88 ng
RT: 19.480 min Scan# 2821
Delta R.T. 0.006 min
Lab File: BM029528.D
Acq: 16 Apr 2021 18:58

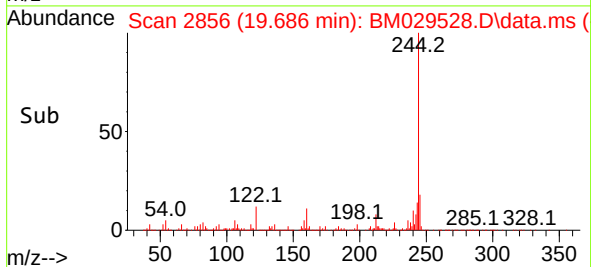
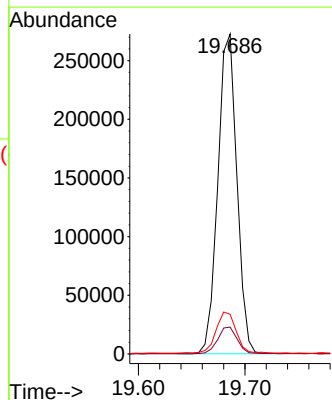
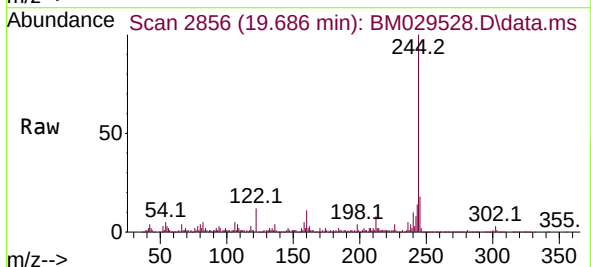
Instrument :
BNA_M
ClientSampled :
TP-4

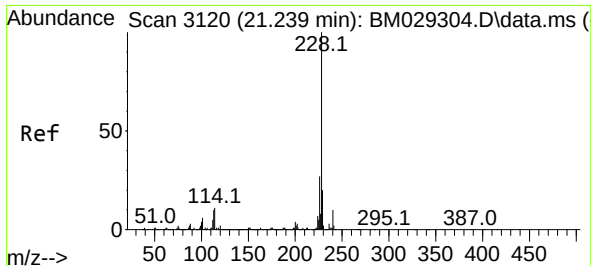
Tgt Ion:202 Resp: 1851653
Ion Ratio Lower Upper
202 100
200 22.0 17.0 25.6
203 17.7 14.1 21.1



#79
Terphenyl-d14
Concen: 16.78 ng
RT: 19.686 min Scan# 2856
Delta R.T. 0.000 min
Lab File: BM029528.D
Acq: 16 Apr 2021 18:58

Tgt Ion:244 Resp: 336924
Ion Ratio Lower Upper
244 100
212 8.4 6.5 9.7
122 12.4 9.2 13.8

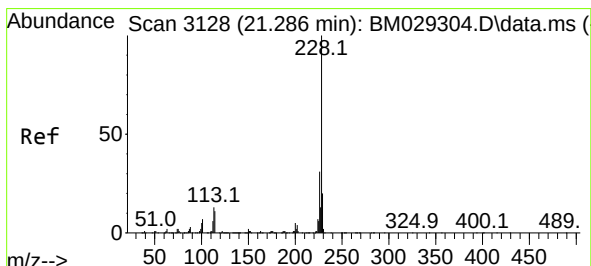
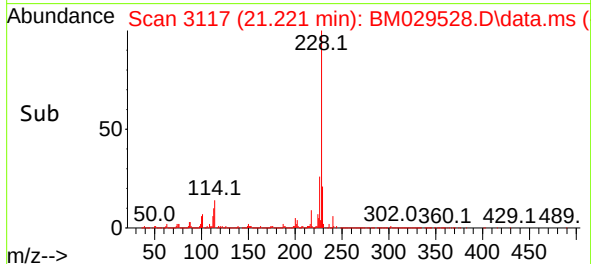
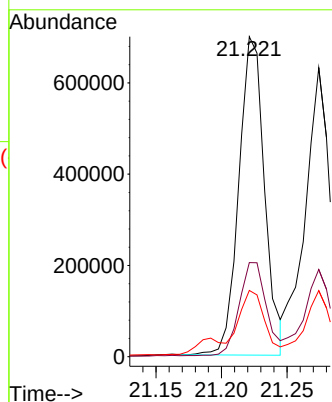
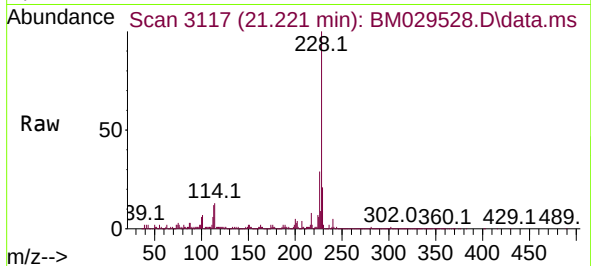




#81
Benzo(a)anthracene
Concen: 37.42 ng
RT: 21.221 min Scan# 3117
Delta R.T. 0.000 min
Lab File: BM029528.D
Acq: 16 Apr 2021 18:58

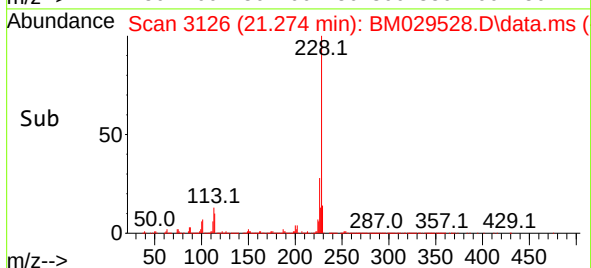
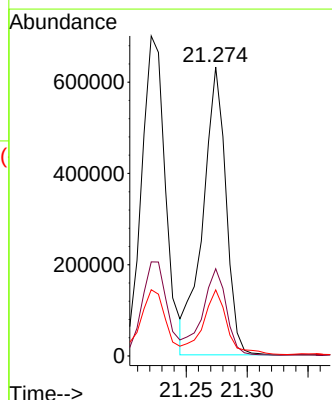
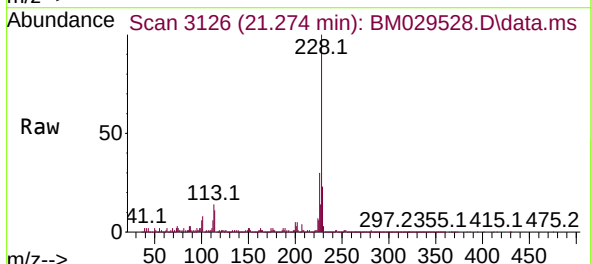
Instrument :
BNA_M
ClientSampled :
TP-4

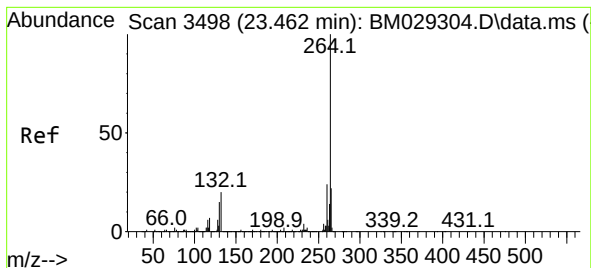
Tgt Ion:228 Resp: 952379
Ion Ratio Lower Upper
228 100
226 29.4 21.9 32.9
229 20.7 15.7 23.5



#83
Chrysene
Concen: 33.40 ng
RT: 21.274 min Scan# 3126
Delta R.T. 0.000 min
Lab File: BM029528.D
Acq: 16 Apr 2021 18:58

Tgt Ion:228 Resp: 832331
Ion Ratio Lower Upper
228 100
226 30.2 24.7 37.1
229 22.9 15.8 23.6





#86

Perylene-d12

Concen: 20.00 ng

RT: 23.450 min Scan# 3496

Delta R.T. 0.012 min

Lab File: BM029528.D

Acq: 16 Apr 2021 18:58

Tgt Ion:264 Resp: 403249

Ion Ratio Lower Upper

264 100

260 24.5 19.6 29.4

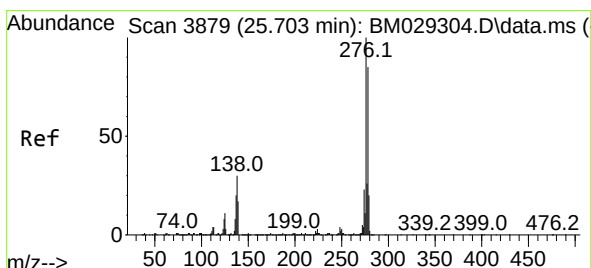
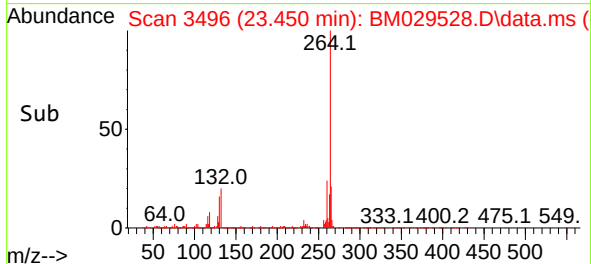
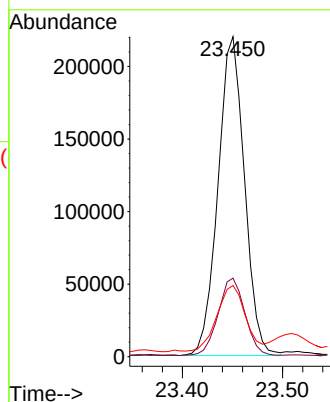
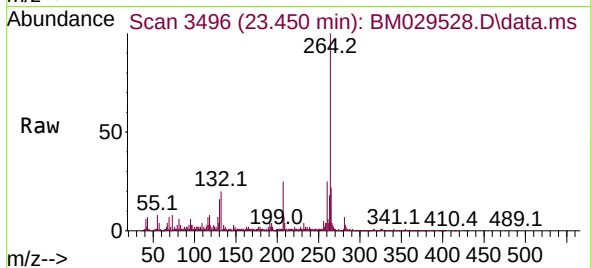
265 22.2 17.8 26.8

Instrument :

BNA_M

ClientSampled :

TP-4



#87

Indeno(1,2,3-cd)pyrene

Concen: 19.10 ng

RT: 25.668 min Scan# 3873

Delta R.T. 0.000 min

Lab File: BM029528.D

Acq: 16 Apr 2021 18:58

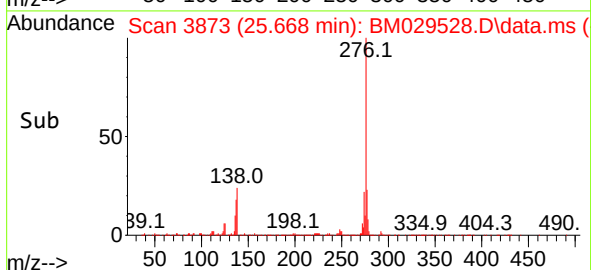
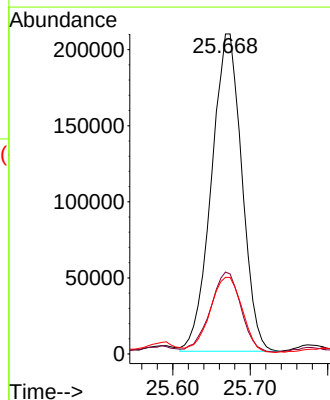
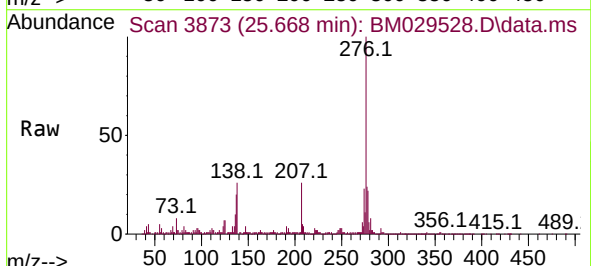
Tgt Ion:276 Resp: 567726

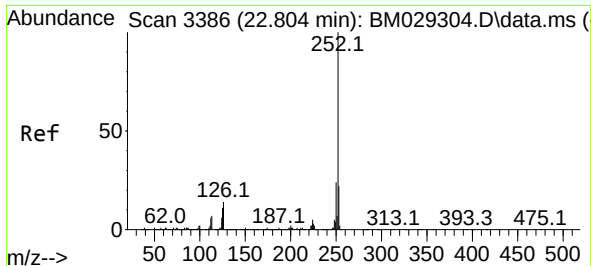
Ion Ratio Lower Upper

276 100

138 25.4 22.6 34.0

277 25.2 20.2 30.4

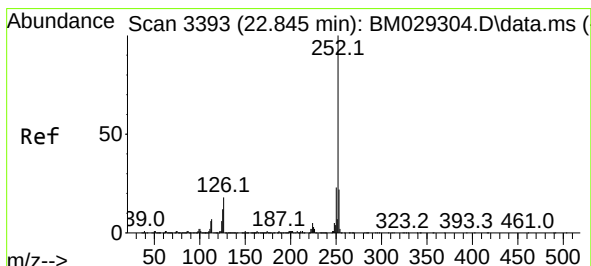
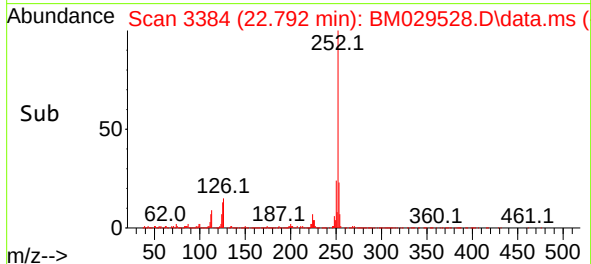
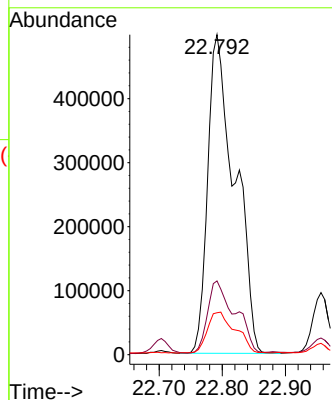
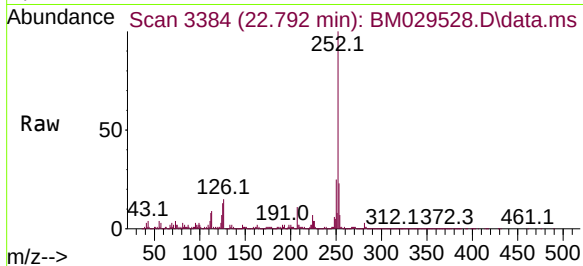




#88
Benzo(b)fluoranthene
Concen: 56.11 ng
RT: 22.792 min Scan# 3384
Delta R.T. 0.012 min
Lab File: BM029528.D
Acq: 16 Apr 2021 18:58

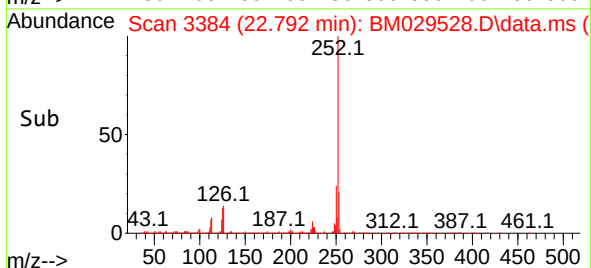
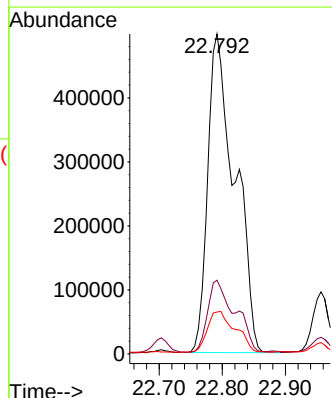
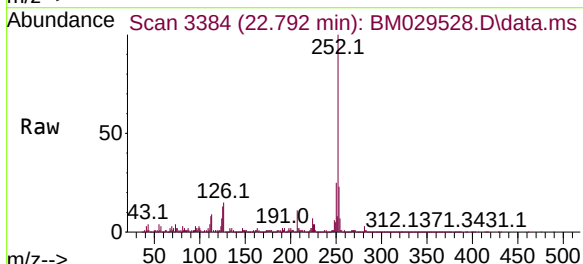
Instrument :
BNA_M
ClientSampled :
TP-4

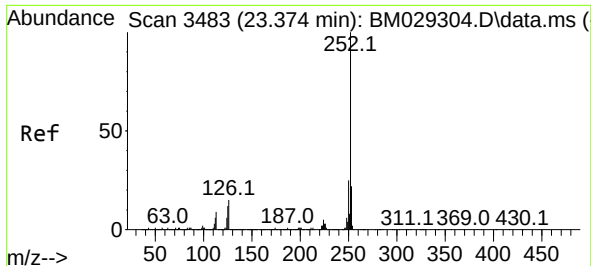
Tgt Ion:252 Resp: 1485970
Ion Ratio Lower Upper
252 100
253 23.1 17.6 26.4
125 13.1 9.0 13.4



#89
Benzo(k)fluoranthene
Concen: 58.68 ng
RT: 22.792 min Scan# 3384
Delta R.T. -0.035 min
Lab File: BM029528.D
Acq: 16 Apr 2021 18:58

Tgt Ion:252 Resp: 1485970
Ion Ratio Lower Upper
252 100
253 23.1 17.6 26.4
125 13.1 8.7 13.1#

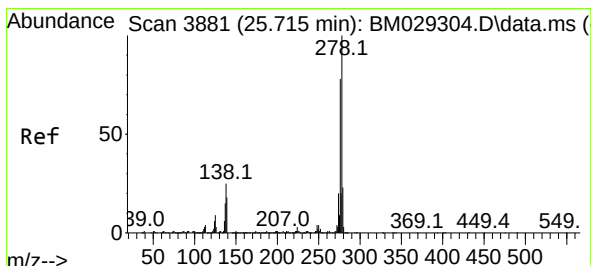
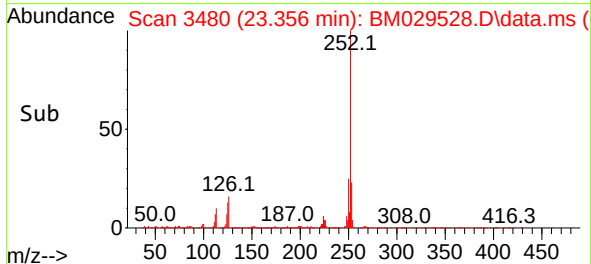
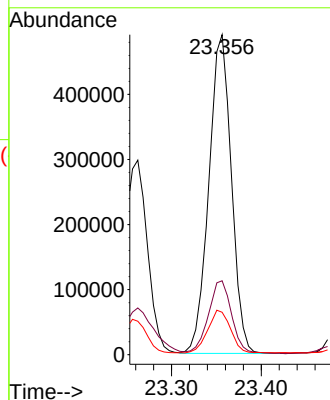
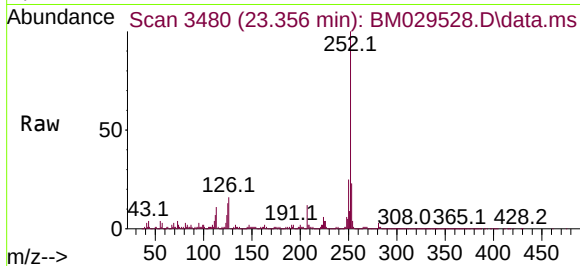




#90
Benzo(a)pyrene
Concen: 35.25 ng
RT: 23.356 min Scan# 3480
Delta R.T. 0.012 min
Lab File: BM029528.D
Acq: 16 Apr 2021 18:58

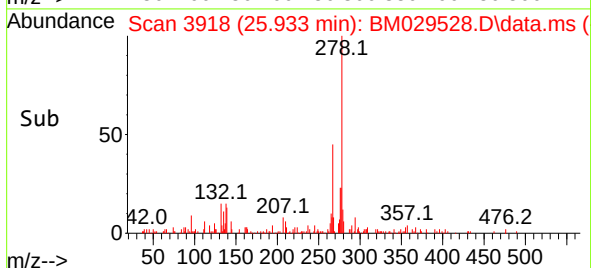
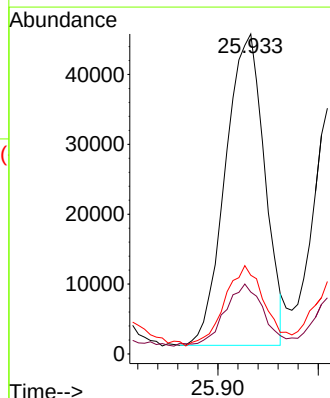
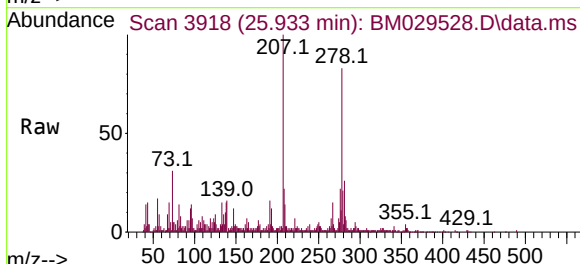
Instrument :
BNA_M
ClientSampled :
TP-4

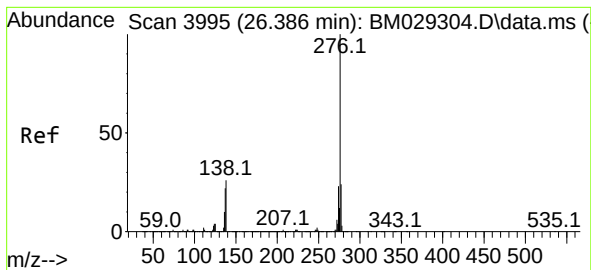
Tgt Ion:252 Resp: 853469
Ion Ratio Lower Upper
252 100
253 23.1 17.0 25.4
125 13.2 9.5 14.3



#91
Dibenzo(a,h)anthracene
Concen: 4.73 ng
RT: 25.933 min Scan# 3918
Delta R.T. 0.259 min
Lab File: BM029528.D
Acq: 16 Apr 2021 18:58

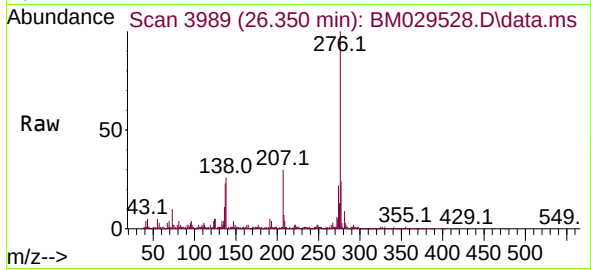
Tgt Ion:278 Resp: 120726
Ion Ratio Lower Upper
278 100
139 19.4 14.8 22.2
279 24.6 19.3 28.9





#92
 Benzo(g,h,i)perylene
 Concen: 22.27 ng
 RT: 26.350 min Scan# 3989
 Delta R.T. 0.006 min
 Lab File: BM029528.D
 Acq: 16 Apr 2021 18:58

Instrument :
 BNA_M
 ClientSampleId :
 TP-4



Tgt Ion:	276	Resp:	547859
Ion Ratio	Lower	Upper	
276	100		
277	24.3	18.7	28.1
138	25.8	19.0	28.4

