

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041621\
 Data File : BM029526.D
 Acq On : 16 Apr 2021 17:44
 Operator : CG/JU
 Sample : M2050-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TP-9

Quant Time: Apr 16 23:19:52 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

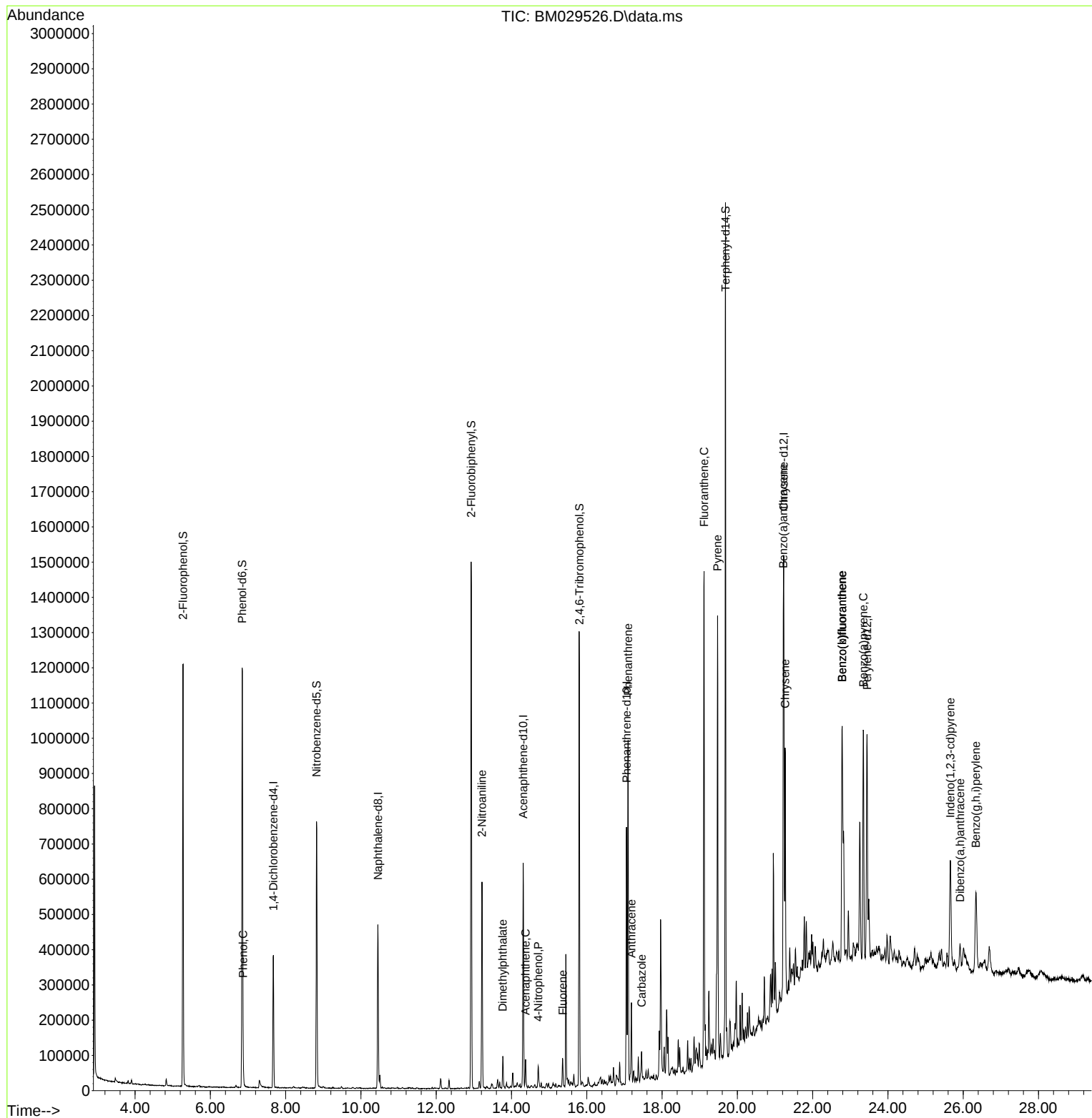
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.675	152	86638	20.00	ng	0.00
21) Naphthalene-d8	10.451	136	334170	20.00	ng	0.00
39) Acenaphthene-d10	14.310	164	186585	20.00	ng	0.00
64) Phenanthrene-d10	17.057	188	373675	20.00	ng	0.00
76) Chrysene-d12	21.233	240	370080	20.00	ng	0.00
86) Perylene-d12	23.444	264	386330	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.275	112	426844	81.35	ng	0.00
7) Phenol-d6	6.845	99	562652	75.95	ng	0.00
23) Nitrobenzene-d5	8.822	82	413923	56.79	ng	0.00
42) 2,4,6-Tribromophenol	15.804	330	157686	84.55	ng	0.00
45) 2-Fluorobiphenyl	12.927	172	675865	50.46	ng	0.00
79) Terphenyl-d14	19.686	244	850810	43.67	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.869	94	17217	2.36	ng	82
48) 2-Nitroaniline	13.216	65	12450	3.34	ng	# 16
50) Dimethylphthalate	13.769	163	50067	3.72	ng	99
52) Acenaphthene	14.374	154	24997	2.32	ng	95
56) 4-Nitrophenol	14.710	139	11490	4.41	ng	# 1
58) Fluorene	15.363	166	30686	2.21	ng	94
71) Phenanthrene	17.098	178	506672	23.45	ng	99
72) Anthracene	17.186	178	118005	5.53	ng	99
73) Carbazole	17.457	167	42611	2.04	ng	96
75) Fluoranthene	19.115	202	732788	30.44	ng	99
78) Pyrene	19.474	202	670223	26.06	ng	99
81) Benzo(a)anthracene	21.221	228	386177	15.64	ng	96
83) Chrysene	21.274	228	341482	14.12	ng	97
87) Indeno(1,2,3-cd)pyrene	25.662	276	258853	9.09	ng	97
88) Benzo(b)fluoranthene	22.786	252	637134	25.11	ng	# 97
89) Benzo(k)fluoranthene	22.786	252	637134	26.26	ng	# 96
90) Benzo(a)pyrene	23.350	252	379367	16.35	ng	97
91) Dibenzo(a,h)anthracene	25.921	278	60241	2.46	ng	96
92) Benzo(g,h,i)perylene	26.338	276	245580	10.42	ng	96

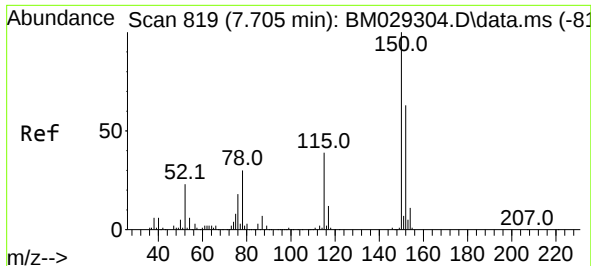
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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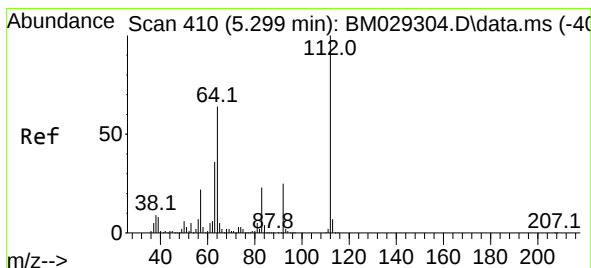
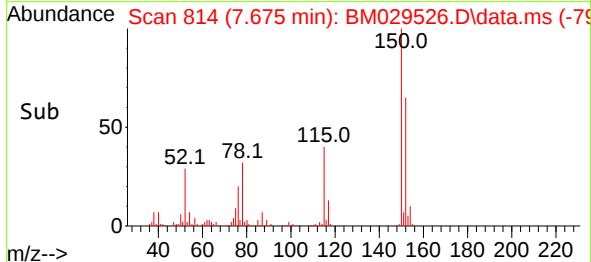
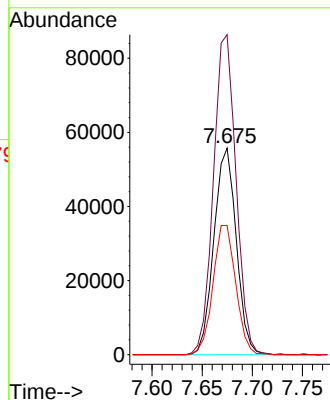
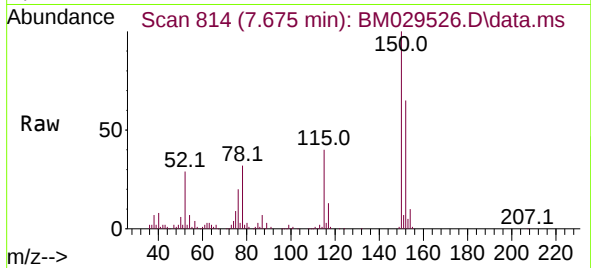




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.675 min Scan# 814
Delta R.T. -0.000 min
Lab File: BM029526.D
Acq: 16 Apr 2021 17:44

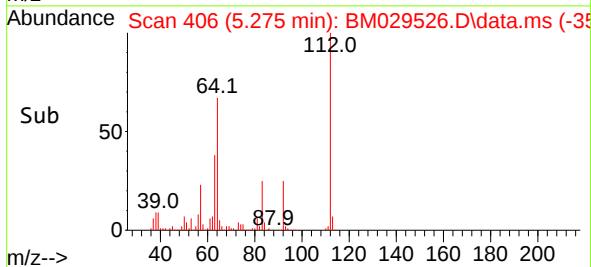
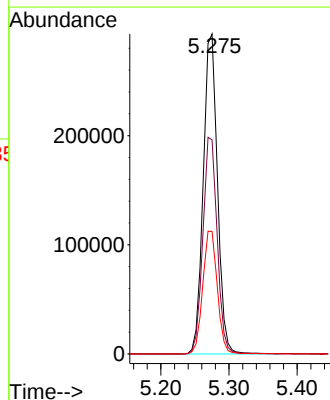
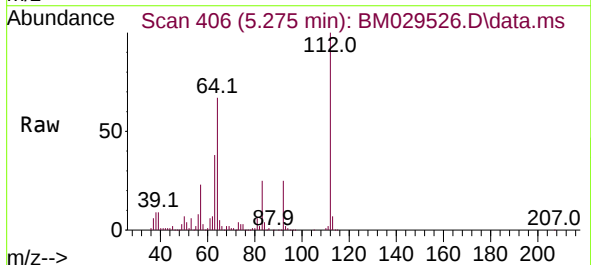
Instrument :
BNA_M
ClientSampled :
TP-9

Tgt Ion:152 Resp: 86638
Ion Ratio Lower Upper
152 100
150 154.9 124.3 186.5
115 62.6 46.4 69.6



#5
2-Fluorophenol
Concen: 81.35 ng
RT: 5.275 min Scan# 406
Delta R.T. 0.006 min
Lab File: BM029526.D
Acq: 16 Apr 2021 17:44

Tgt Ion:112 Resp: 426844
Ion Ratio Lower Upper
112 100
64 67.0 51.6 77.4
63 38.3 29.0 43.4

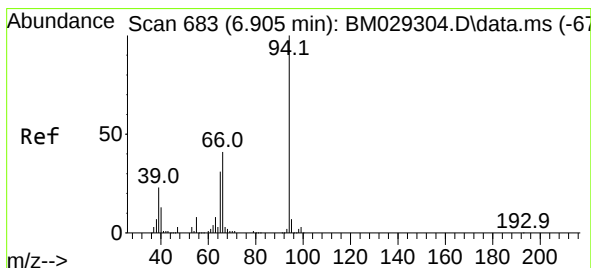
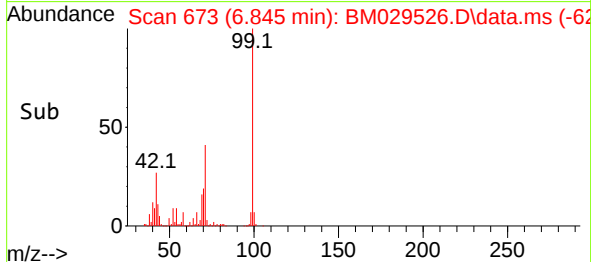
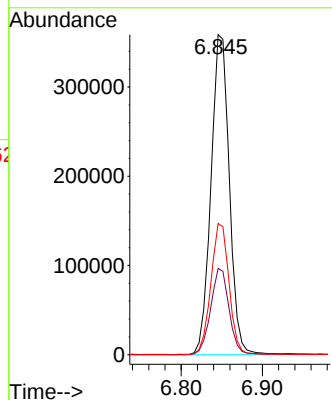
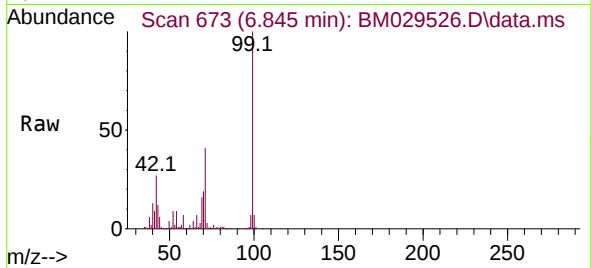




#7
Phenol-d6
Concen: 75.95 ng
RT: 6.845 min Scan# 673
Delta R.T. -0.006 min
Lab File: BM029526.D
Acq: 16 Apr 2021 17:44

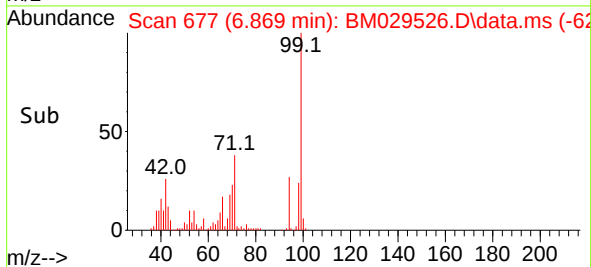
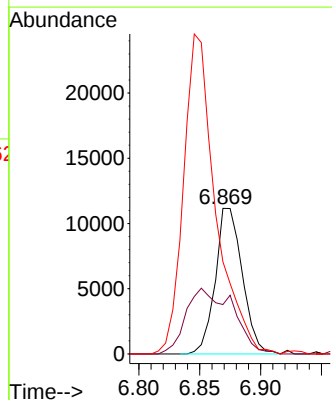
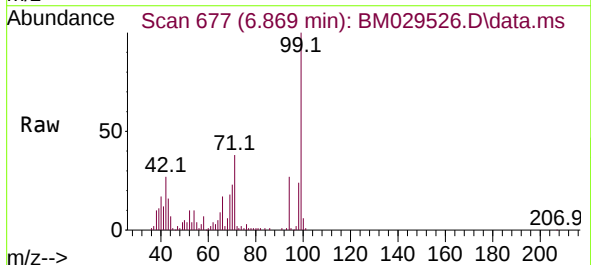
Instrument :
BNA_M
ClientSampled :
TP-9

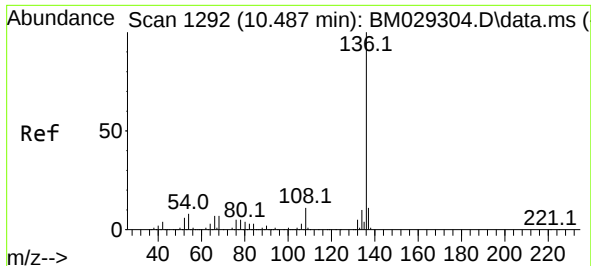
Tgt Ion: 99 Resp: 562652
Ion Ratio Lower Upper
99 100
42 27.0 18.5 27.7
71 41.0 31.8 47.6



#10
Phenol
Concen: 2.36 ng
RT: 6.869 min Scan# 677
Delta R.T. -0.006 min
Lab File: BM029526.D
Acq: 16 Apr 2021 17:44

Tgt Ion: 94 Resp: 17217
Ion Ratio Lower Upper
94 100
65 34.0 13.0 53.0
66 63.3 24.1 64.1

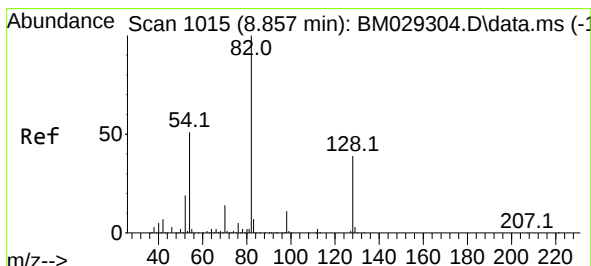
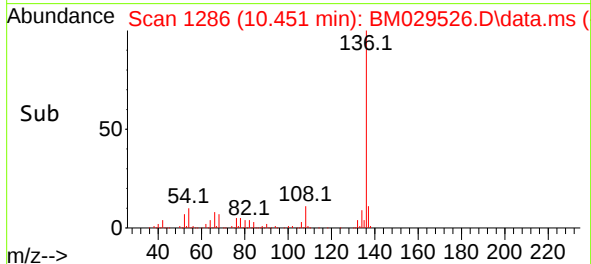
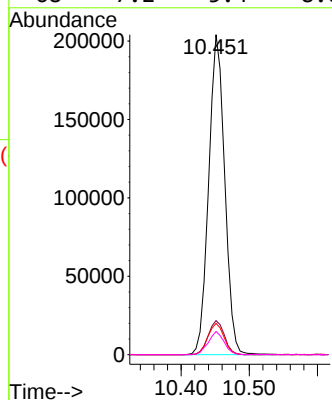
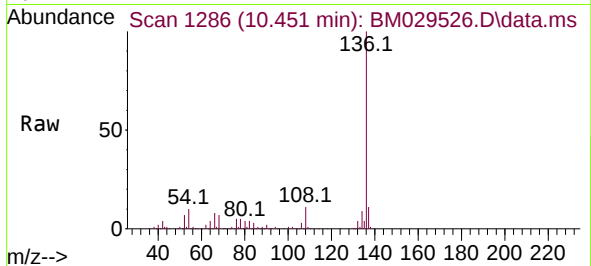




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.451 min Scan# 1286
Delta R.T. -0.006 min
Lab File: BM029526.D
Acq: 16 Apr 2021 17:44

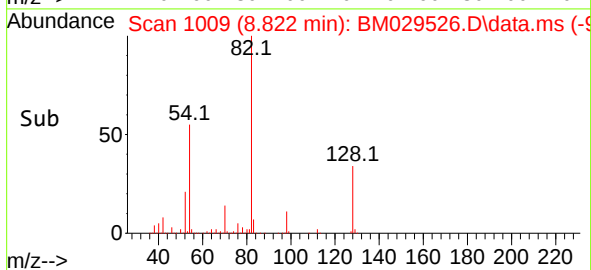
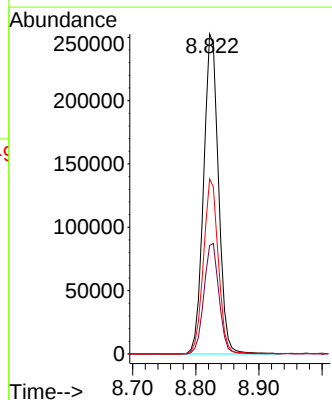
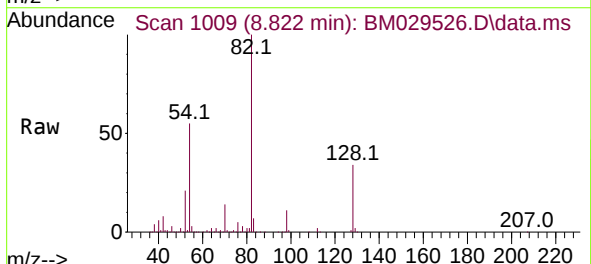
Instrument :
BNA_M
ClientSampled :
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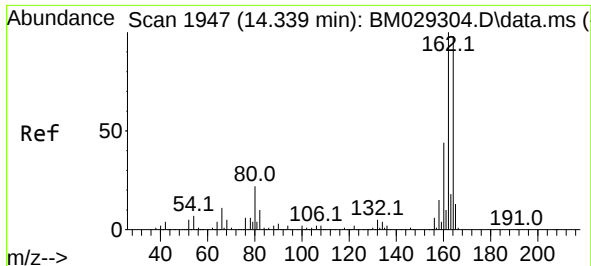
Tgt Ion:	136	Resp:	334170
Ion Ratio	Lower	Upper	
136	100		
137	10.6	9.3	13.9
54	9.8	6.9	10.3
68	7.2	5.4	8.0



#23
Nitrobenzene-d5
Concen: 56.79 ng
RT: 8.822 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BM029526.D
Acq: 16 Apr 2021 17:44

Tgt Ion:	82	Resp:	413923
Ion Ratio	Lower	Upper	
82	100		
128	33.9	28.6	42.8
54	54.7	40.7	61.1

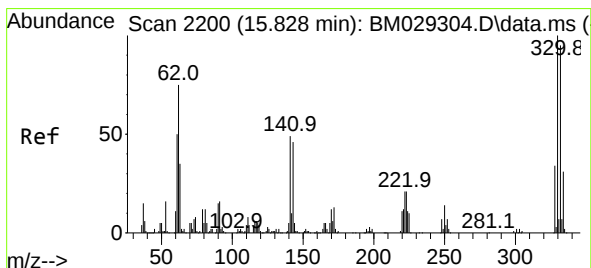
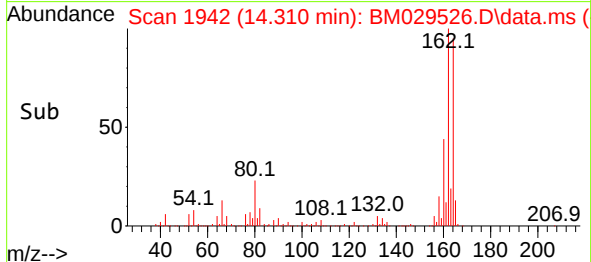
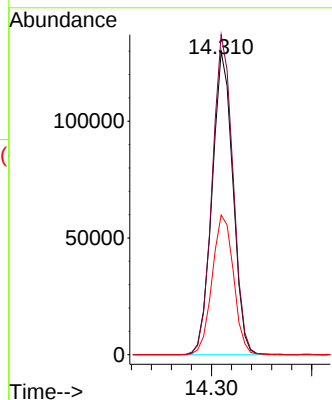
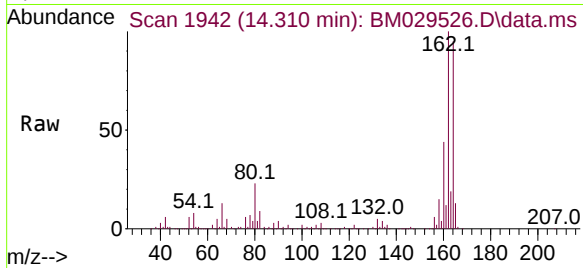




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.310 min Scan# 1942
Delta R.T. -0.006 min
Lab File: BM029526.D
Acq: 16 Apr 2021 17:44

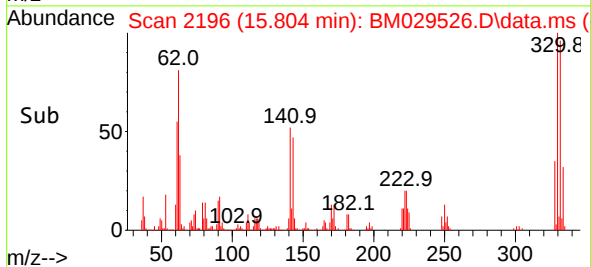
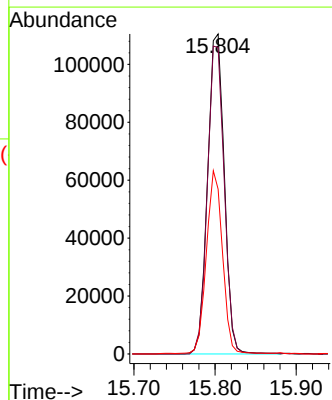
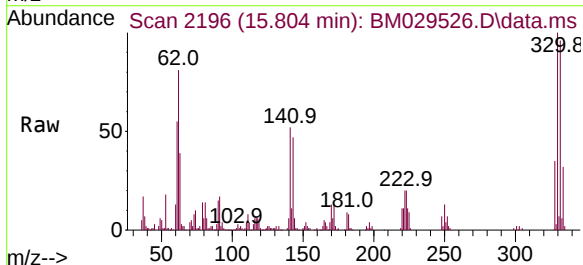
Instrument :
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ClientSampleId :
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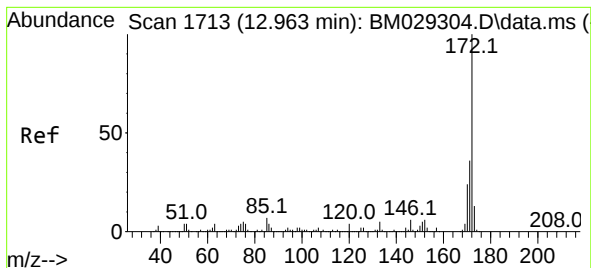
Tgt Ion:164 Resp: 186585
Ion Ratio Lower Upper
164 100
162 105.5 84.4 126.6
160 46.1 36.6 54.8



#42
2,4,6-Tribromophenol
Concen: 84.55 ng
RT: 15.804 min Scan# 2196
Delta R.T. -0.000 min
Lab File: BM029526.D
Acq: 16 Apr 2021 17:44

Tgt Ion:330 Resp: 157686
Ion Ratio Lower Upper
330 100
332 96.9 77.1 115.7
141 55.5 39.2 58.8

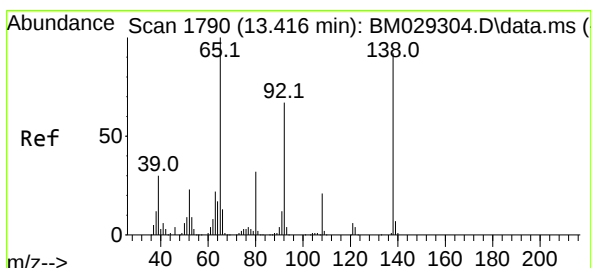
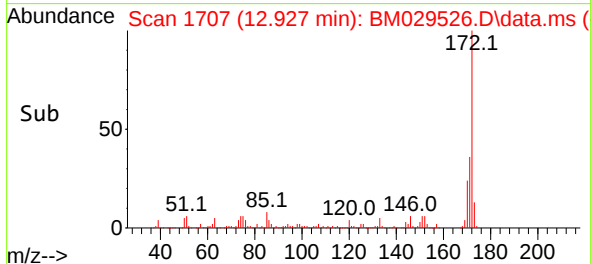
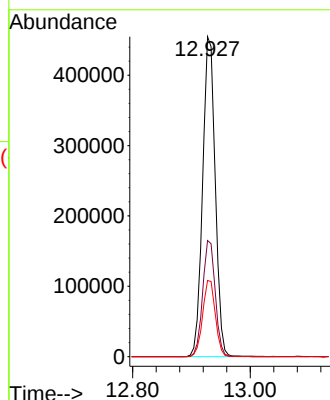
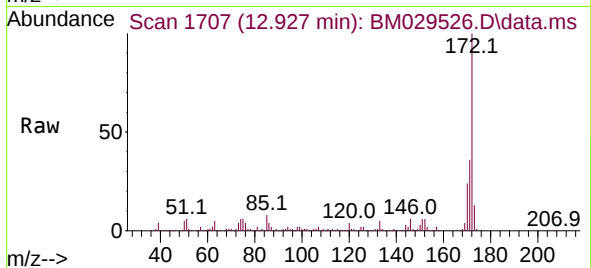




#45
2-Fluorobiphenyl
Concen: 50.46 ng
RT: 12.927 min Scan# 1707
Delta R.T. -0.006 min
Lab File: BM029526.D
Acq: 16 Apr 2021 17:44

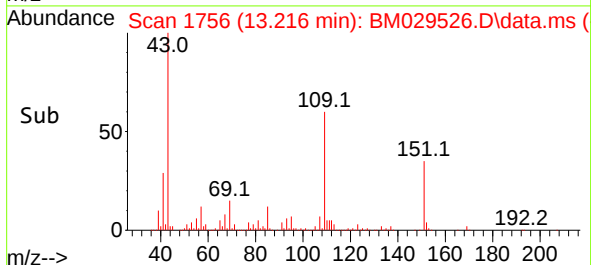
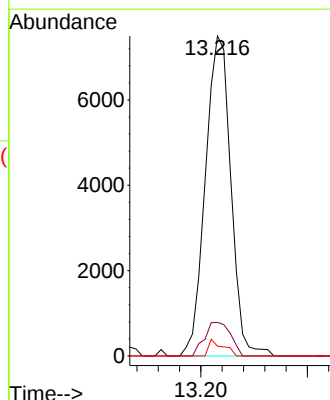
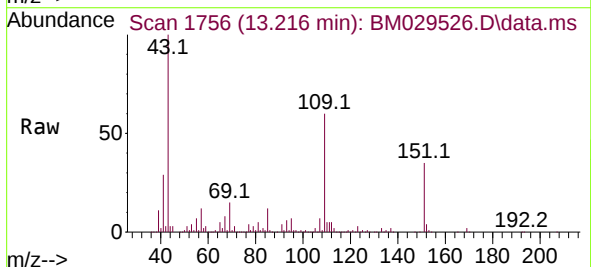
Instrument :
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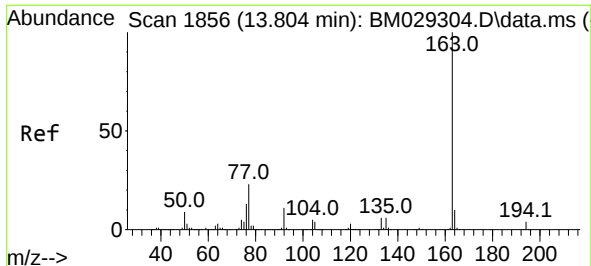
Tgt Ion:172 Resp: 675865
Ion Ratio Lower Upper
172 100
171 36.3 28.7 43.1
170 23.8 18.8 28.2



#48
2-Nitroaniline
Concen: 3.34 ng
RT: 13.216 min Scan# 1756
Delta R.T. -0.177 min
Lab File: BM029526.D
Acq: 16 Apr 2021 17:44

Tgt Ion: 65 Resp: 12450
Ion Ratio Lower Upper
65 100
92 10.5 52.4 78.6#
138 3.0 75.0 112.6#

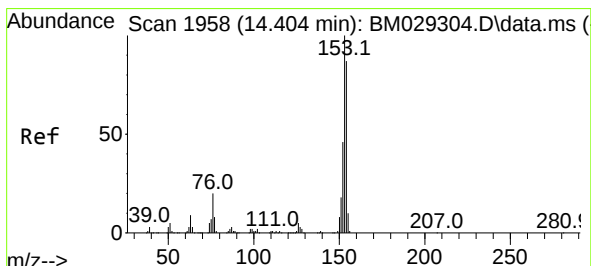
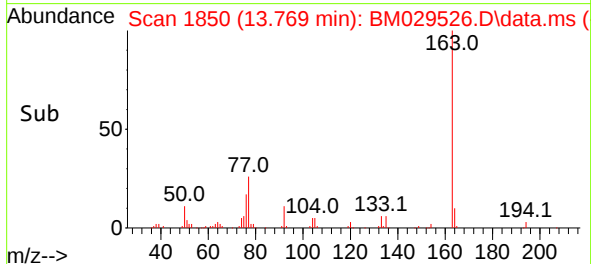
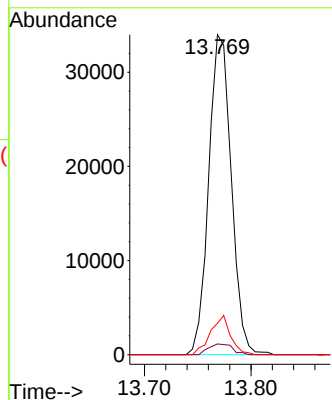
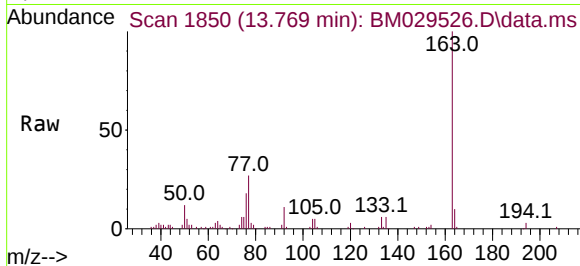




#50
Dimethylphthalate
Concen: 3.72 ng
RT: 13.769 min Scan# 1850
Delta R.T. -0.012 min
Lab File: BM029526.D
Acq: 16 Apr 2021 17:44

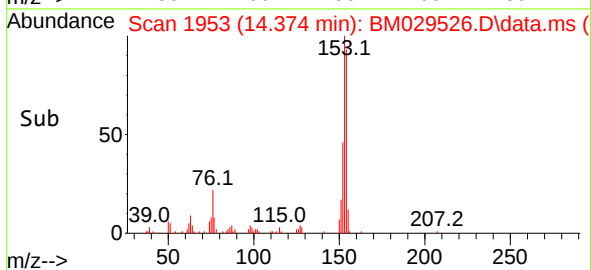
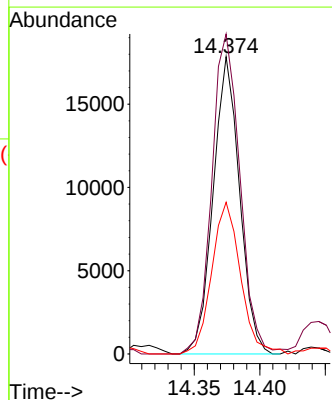
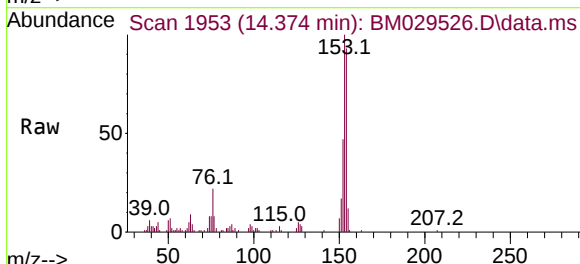
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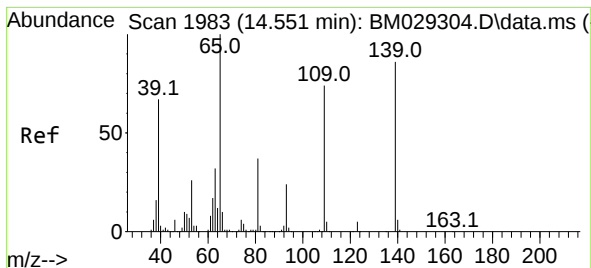
Tgt Ion:163	Resp:	50067
Ion Ratio	Lower	Upper
163	100	
194	3.4	3.2 4.8
164	9.8	7.9 11.9



#52
Acenaphthene
Concen: 2.32 ng
RT: 14.374 min Scan# 1953
Delta R.T. -0.006 min
Lab File: BM029526.D
Acq: 16 Apr 2021 17:44

Tgt Ion:154	Resp:	24997
Ion Ratio	Lower	Upper
154	100	
153	107.7	90.5 135.7
152	51.0	43.4 65.2

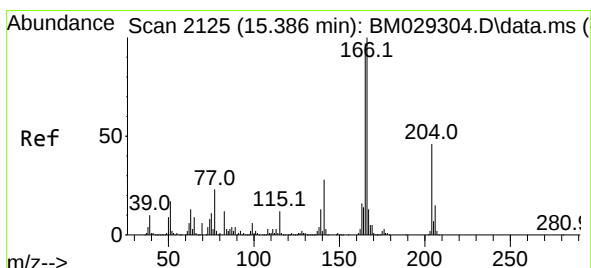
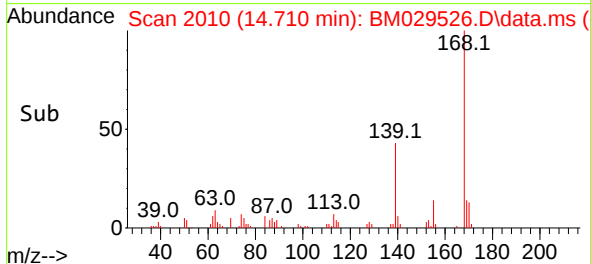
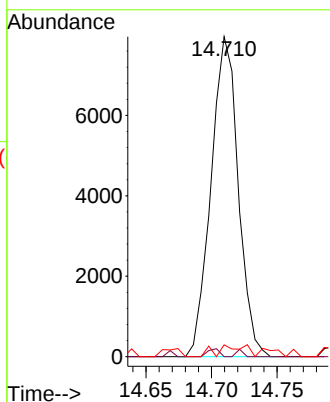
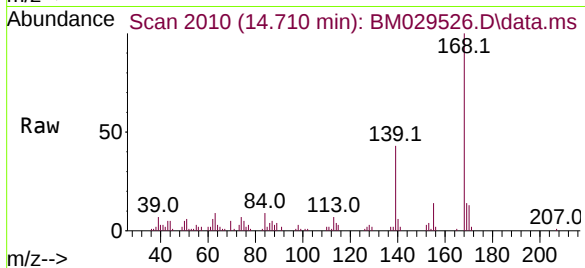




#56
4-Nitrophenol
Concen: 4.41 ng
RT: 14.710 min Scan# 2010
Delta R.T. 0.182 min
Lab File: BM029526.D
Acq: 16 Apr 2021 17:44

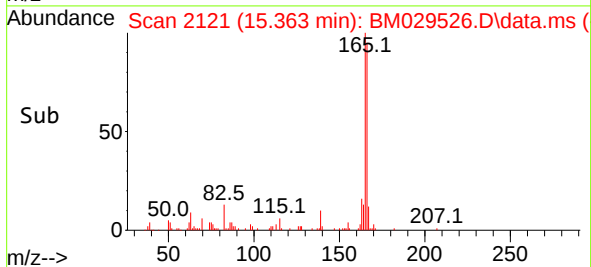
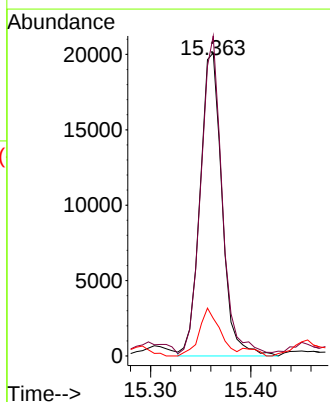
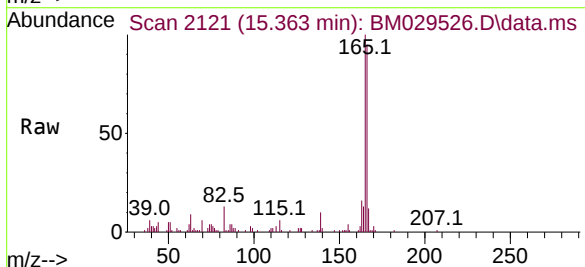
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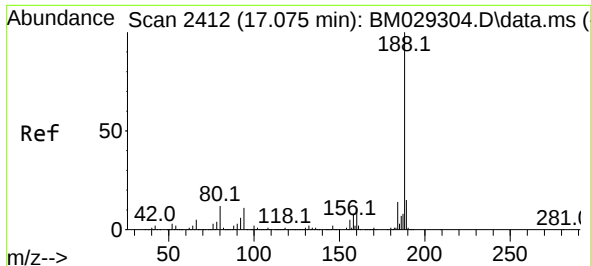
Tgt Ion:139 Resp: 11490
Ion Ratio Lower Upper
139 100
109 0.0 69.5 109.5#
65 3.7 98.1 138.1#



#58
Fluorene
Concen: 2.21 ng
RT: 15.363 min Scan# 2121
Delta R.T. -0.000 min
Lab File: BM029526.D
Acq: 16 Apr 2021 17:44

Tgt Ion:166 Resp: 30686
Ion Ratio Lower Upper
166 100
165 105.6 79.6 119.4
167 12.4 11.0 16.6

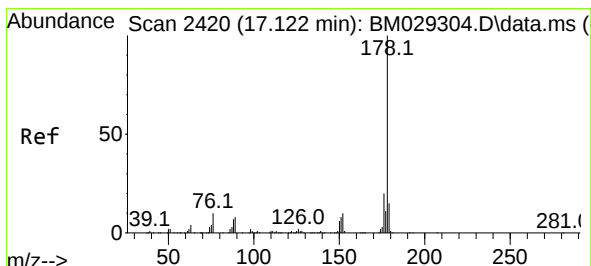
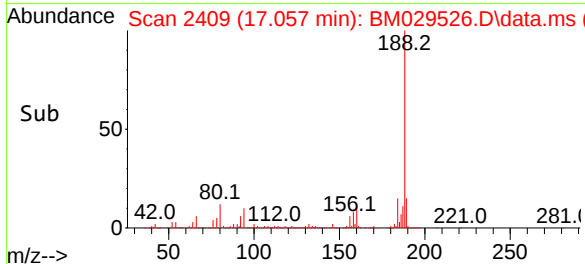
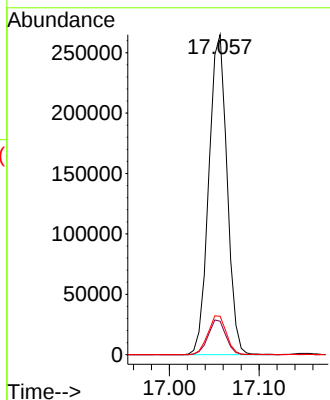
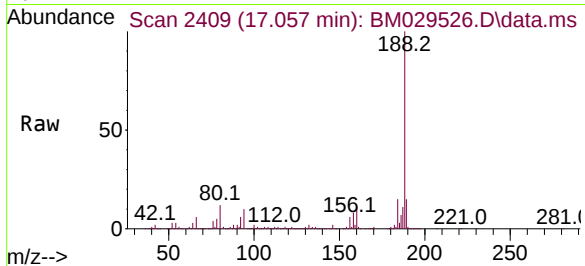




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.057 min Scan# 2409
Delta R.T. -0.000 min
Lab File: BM029526.D
Acq: 16 Apr 2021 17:44

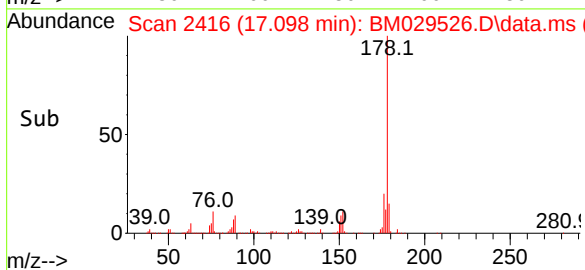
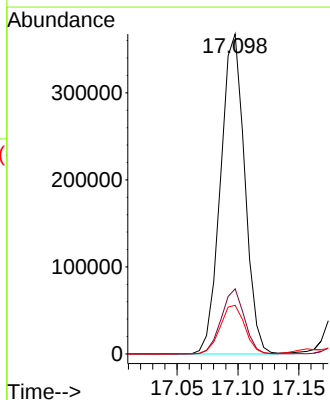
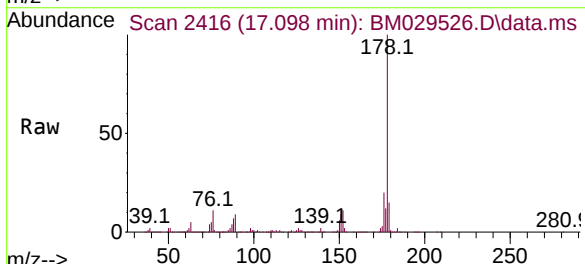
Instrument :
BNA_M
ClientSampleId :
TP-9

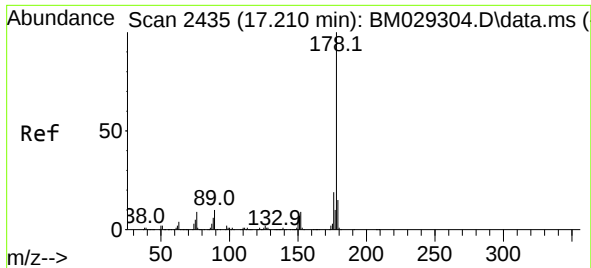
Tgt Ion:188 Resp: 373675
Ion Ratio Lower Upper
188 100
94 10.5 8.1 12.1
80 12.0 9.2 13.8



#71
Phenanthrene
Concen: 23.45 ng
RT: 17.098 min Scan# 2416
Delta R.T. -0.000 min
Lab File: BM029526.D
Acq: 16 Apr 2021 17:44

Tgt Ion:178 Resp: 506672
Ion Ratio Lower Upper
178 100
176 20.4 15.7 23.5
179 15.2 11.9 17.9

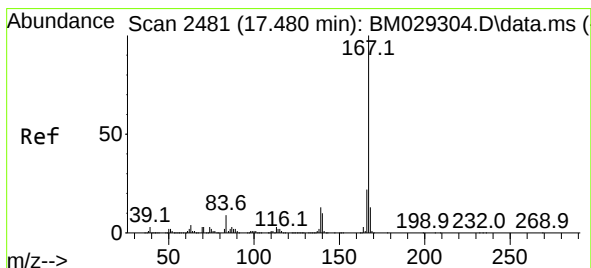
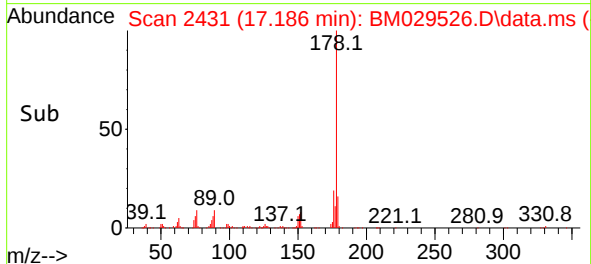
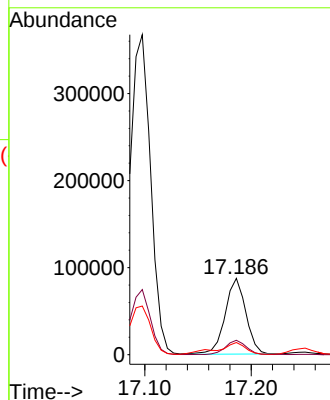
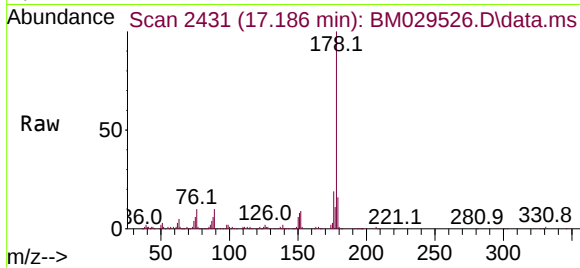




#72
 Anthracene
 Concen: 5.53 ng
 RT: 17.186 min Scan# 2431
 Delta R.T. -0.006 min
 Lab File: BM029526.D
 Acq: 16 Apr 2021 17:44

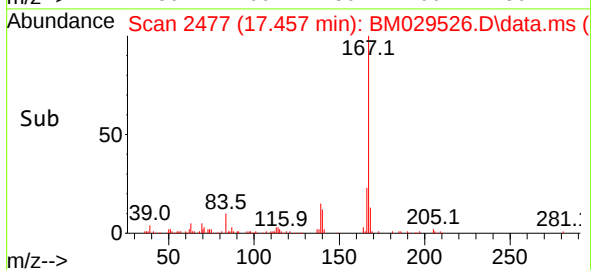
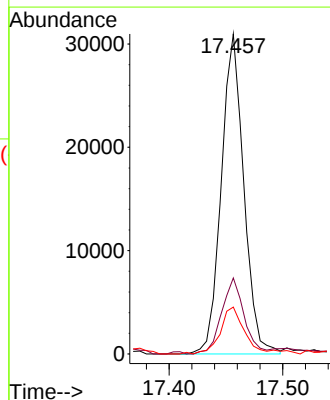
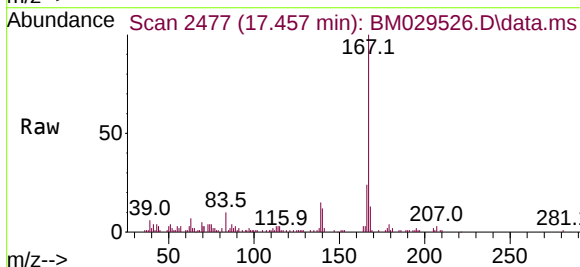
Instrument :
 BNA_M
 ClientSampleId :
 TP-9

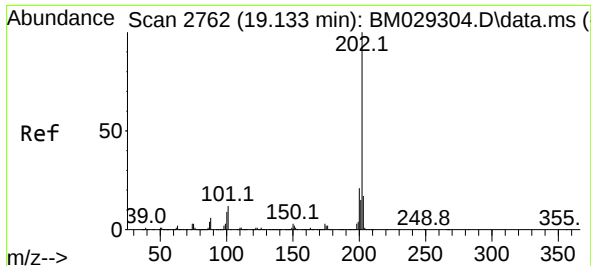
Tgt Ion:178 Resp: 118005
 Ion Ratio Lower Upper
 178 100
 176 18.9 14.9 22.3
 179 15.9 12.1 18.1



#73
 Carbazole
 Concen: 2.04 ng
 RT: 17.457 min Scan# 2477
 Delta R.T. -0.000 min
 Lab File: BM029526.D
 Acq: 16 Apr 2021 17:44

Tgt Ion:167 Resp: 42611
 Ion Ratio Lower Upper
 167 100
 166 23.8 17.5 26.3
 139 14.7 10.6 15.8

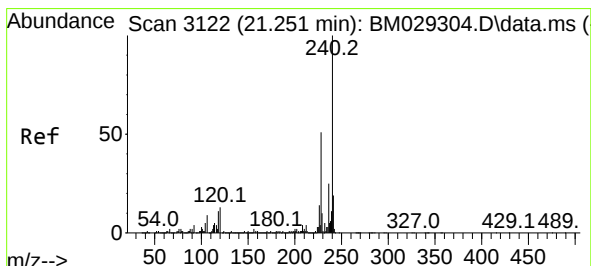
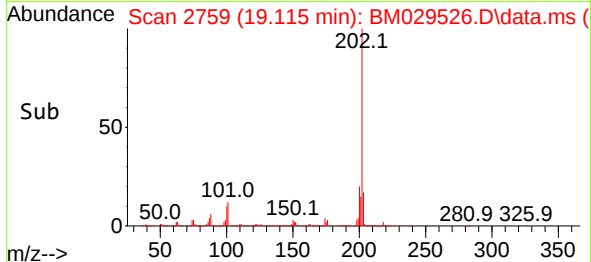
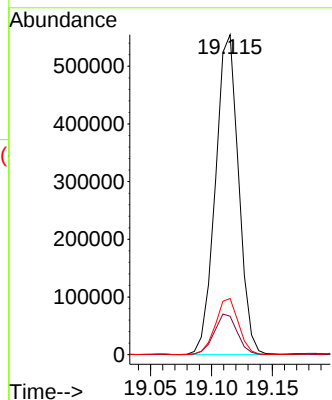
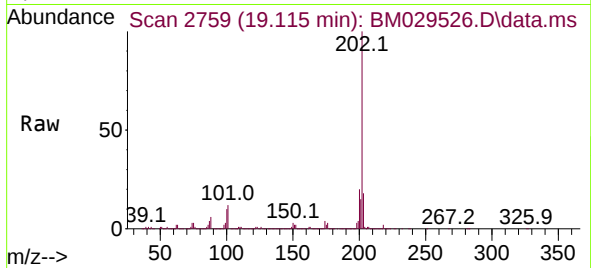




#75
Fluoranthene
Concen: 30.44 ng
RT: 19.115 min Scan# 2759
Delta R.T. -0.000 min
Lab File: BM029526.D
Acq: 16 Apr 2021 17:44

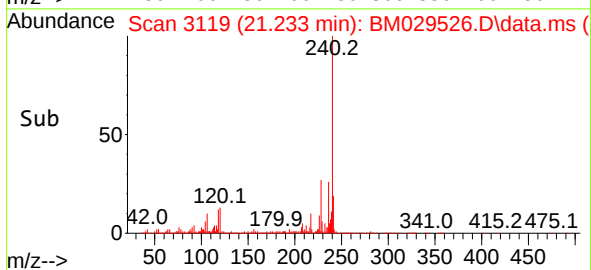
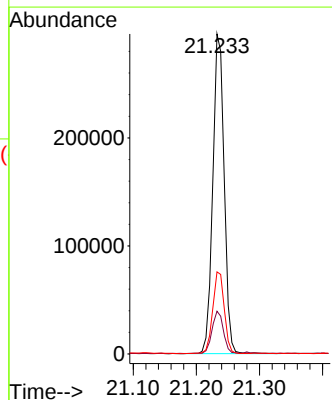
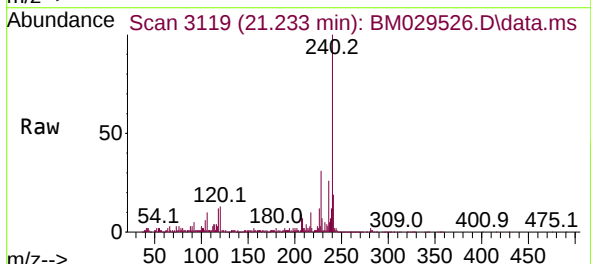
Instrument :
BNA_M
ClientSampleId :
TP-9

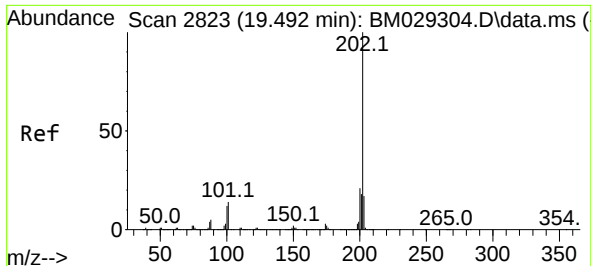
Tgt Ion:202 Resp: 732788
Ion Ratio Lower Upper
202 100
101 12.0 0.0 31.5
203 17.5 0.0 37.7



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.233 min Scan# 3119
Delta R.T. -0.000 min
Lab File: BM029526.D
Acq: 16 Apr 2021 17:44

Tgt Ion:240 Resp: 370080
Ion Ratio Lower Upper
240 100
120 13.4 9.0 13.6
236 25.7 20.3 30.5

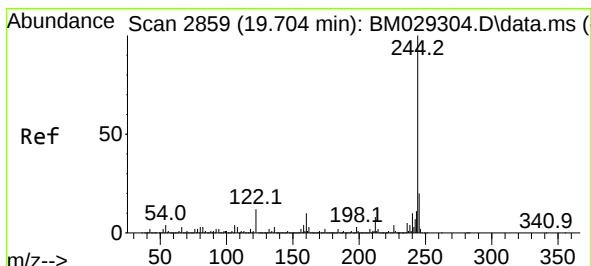
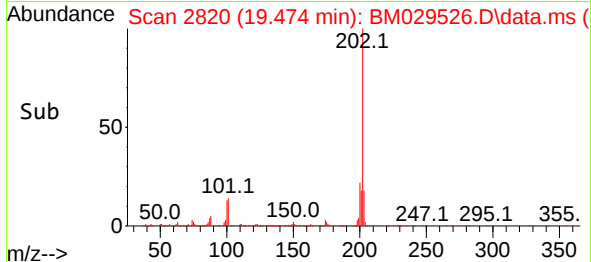
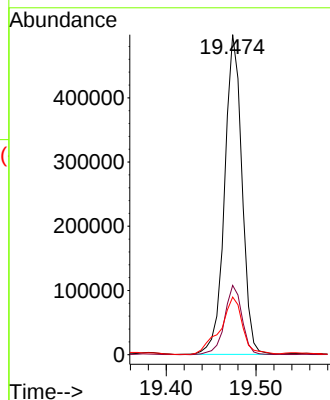
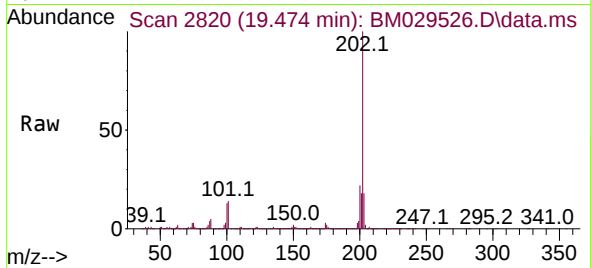




#78
Pyrene
Concen: 26.06 ng
RT: 19.474 min Scan# 2820
Delta R.T. -0.000 min
Lab File: BM029526.D
Acq: 16 Apr 2021 17:44

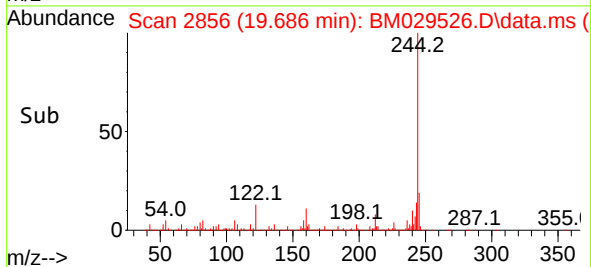
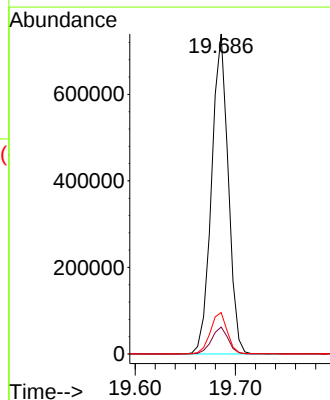
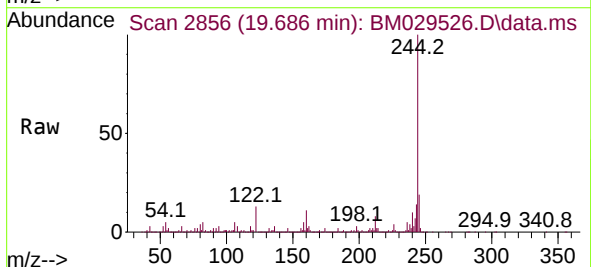
Instrument :
BNA_M
ClientSampled :
TP-9

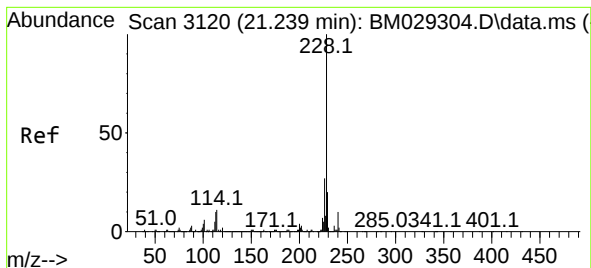
Tgt Ion:202 Resp: 670223
Ion Ratio Lower Upper
202 100
200 21.6 17.0 25.6
203 18.0 14.1 21.1



#79
Terphenyl-d14
Concen: 43.67 ng
RT: 19.686 min Scan# 2856
Delta R.T. -0.000 min
Lab File: BM029526.D
Acq: 16 Apr 2021 17:44

Tgt Ion:244 Resp: 850810
Ion Ratio Lower Upper
244 100
212 8.4 6.5 9.7
122 13.0 9.2 13.8





#81

Benzo(a)anthracene

Concen: 15.64 ng

RT: 21.221 min Scan# 3117

Delta R.T. -0.000 min

Lab File: BM029526.D

Acq: 16 Apr 2021 17:44

Tgt Ion:228 Resp: 386177

Ion Ratio Lower Upper

228 100

226 29.8 21.9 32.9

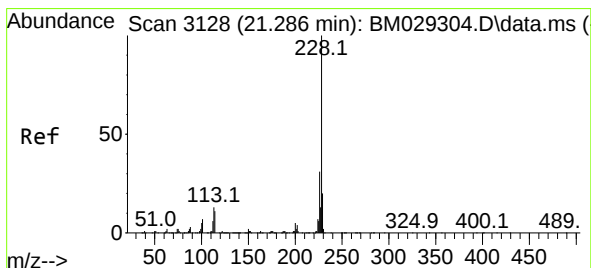
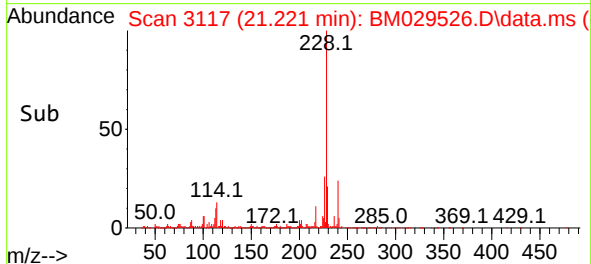
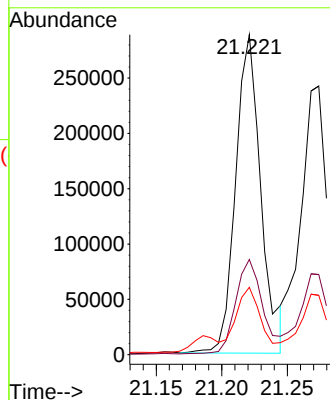
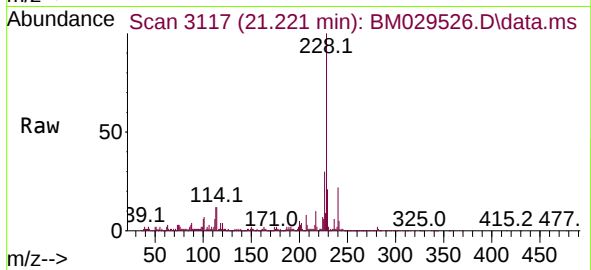
229 21.0 15.7 23.5

Instrument :

BNA_M

ClientSampleId :

TP-9



#83

Chrysene

Concen: 14.12 ng

RT: 21.274 min Scan# 3126

Delta R.T. -0.000 min

Lab File: BM029526.D

Acq: 16 Apr 2021 17:44

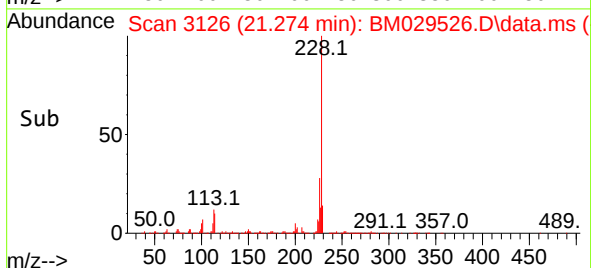
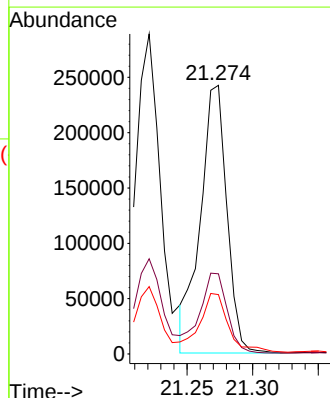
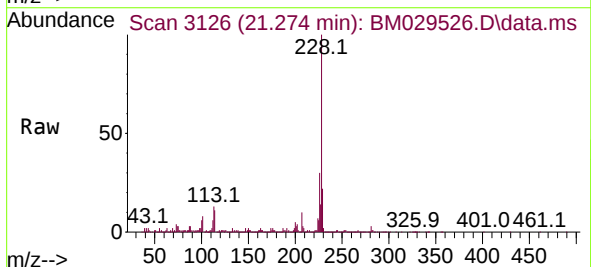
Tgt Ion:228 Resp: 341482

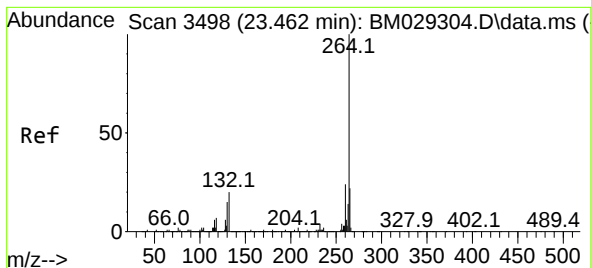
Ion Ratio Lower Upper

228 100

226 29.9 24.7 37.1

229 22.1 15.8 23.6





#86

Perylene-d12

Concen: 20.00 ng

RT: 23.444 min Scan# 3495

Delta R.T. 0.006 min

Lab File: BM029526.D

Acq: 16 Apr 2021 17:44

Tgt Ion:264 Resp: 386330

Ion Ratio Lower Upper

264 100

260 24.5 19.6 29.4

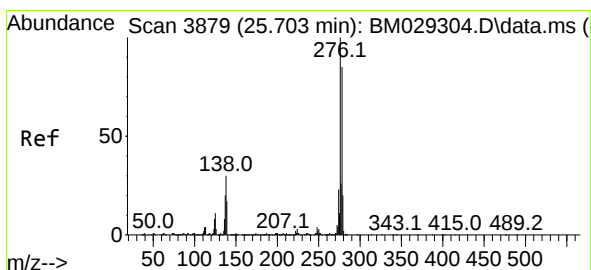
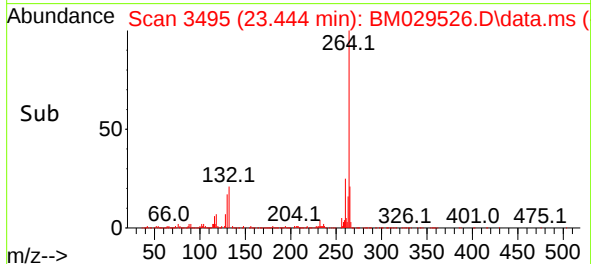
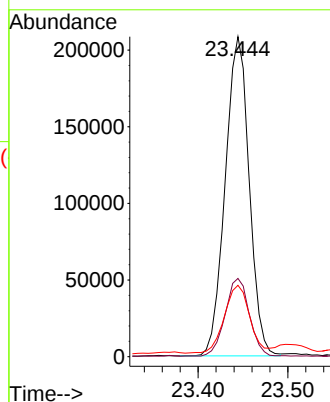
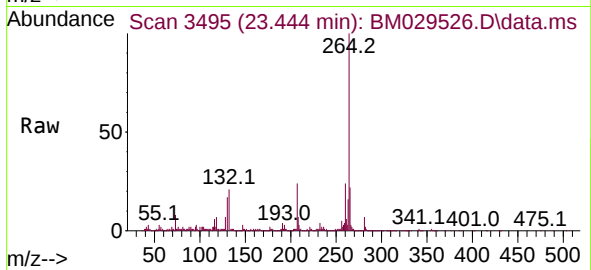
265 22.3 17.8 26.8

Instrument :

BNA_M

ClientSampled :

TP-9



#87

Indeno(1,2,3-cd)pyrene

Concen: 9.09 ng

RT: 25.662 min Scan# 3872

Delta R.T. -0.006 min

Lab File: BM029526.D

Acq: 16 Apr 2021 17:44

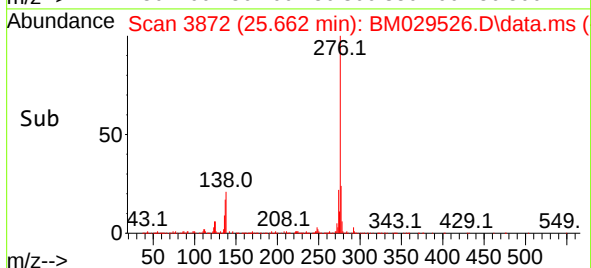
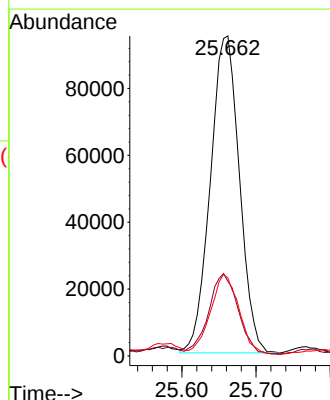
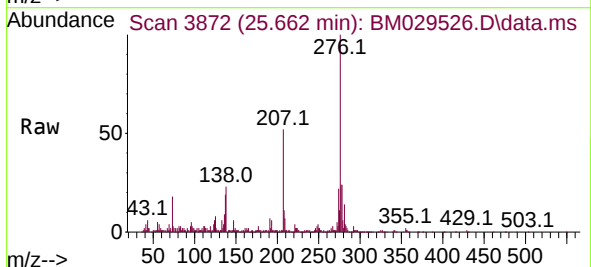
Tgt Ion:276 Resp: 258853

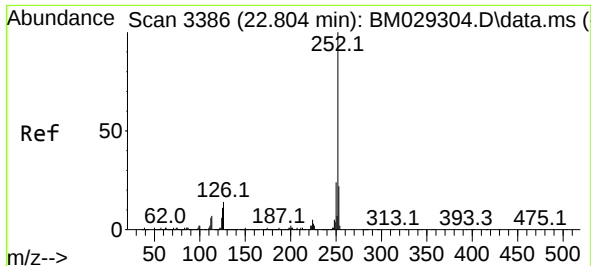
Ion Ratio Lower Upper

276 100

138 25.4 22.6 34.0

277 24.9 20.2 30.4

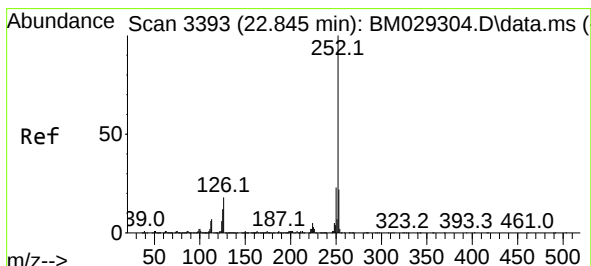
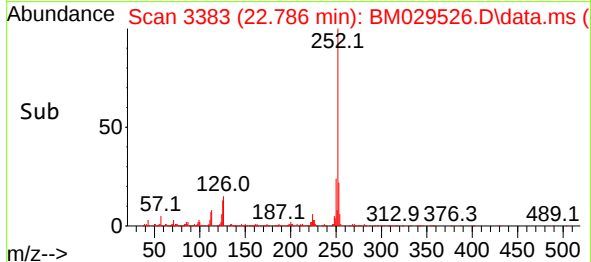
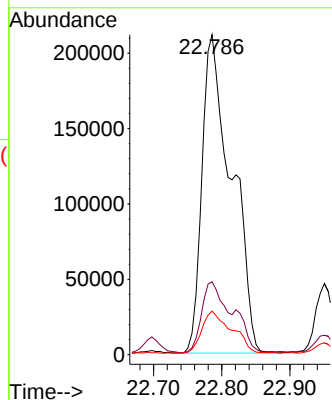
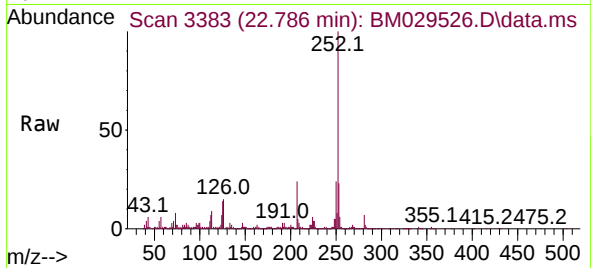




#88
Benzo(b)fluoranthene
Concen: 25.11 ng
RT: 22.786 min Scan# 3383
Delta R.T. 0.006 min
Lab File: BM029526.D
Acq: 16 Apr 2021 17:44

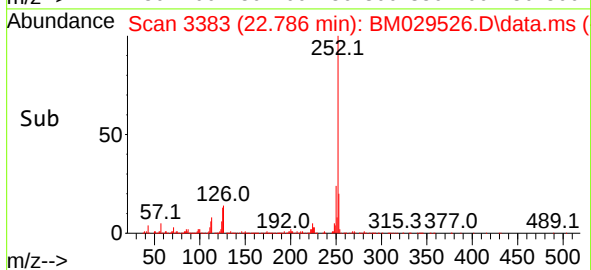
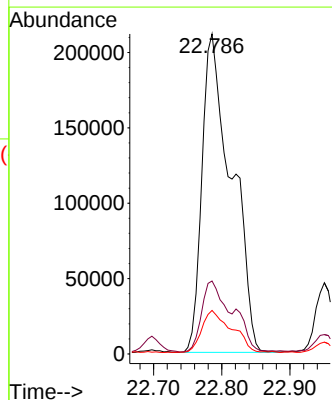
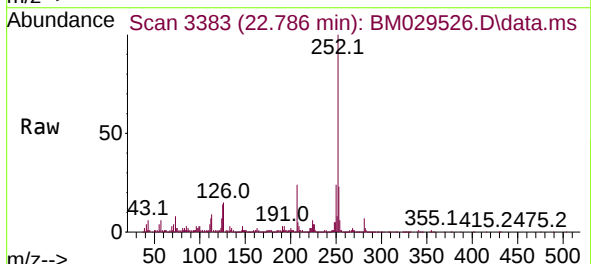
Instrument :
BNA_M
ClientSampled :
TP-9

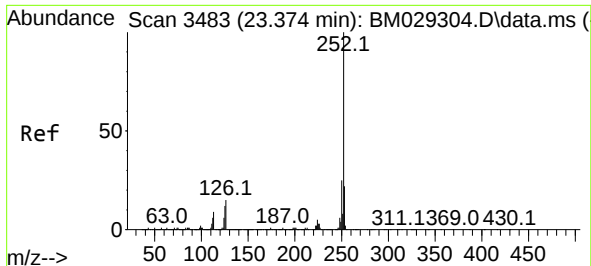
Tgt Ion:252 Resp: 637134
Ion Ratio Lower Upper
252 100
253 22.8 17.6 26.4
125 13.6 9.0 13.4#



#89
Benzo(k)fluoranthene
Concen: 26.26 ng
RT: 22.786 min Scan# 3383
Delta R.T. -0.041 min
Lab File: BM029526.D
Acq: 16 Apr 2021 17:44

Tgt Ion:252 Resp: 637134
Ion Ratio Lower Upper
252 100
253 22.8 17.6 26.4
125 13.6 8.7 13.1#

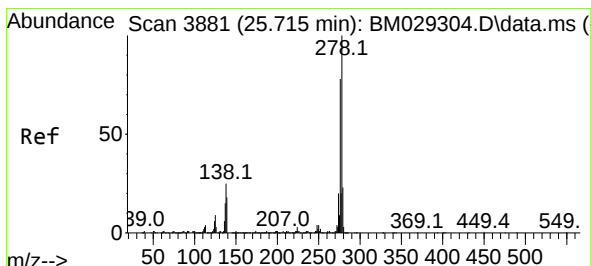
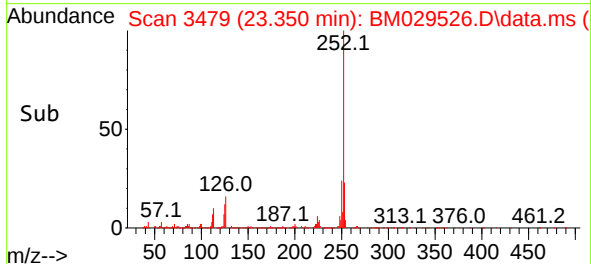
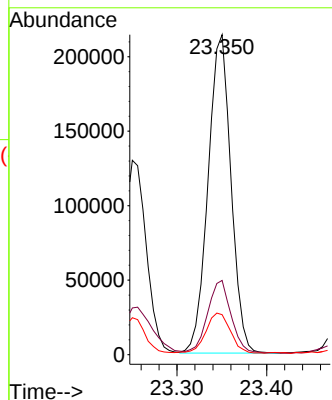
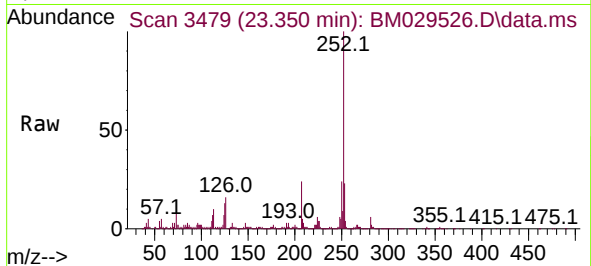




#90
Benzo(a)pyrene
Concen: 16.35 ng
RT: 23.350 min Scan# 3479
Delta R.T. 0.006 min
Lab File: BM029526.D
Acq: 16 Apr 2021 17:44

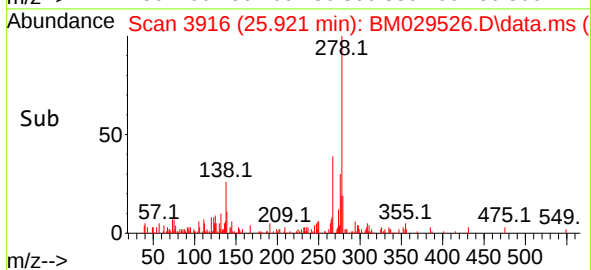
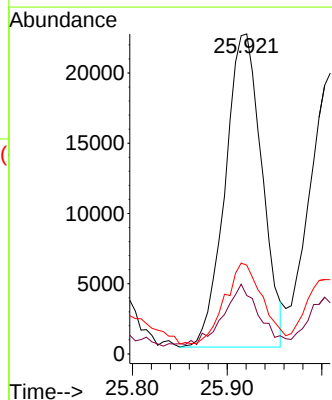
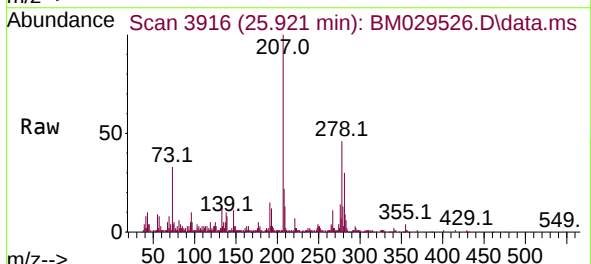
Instrument :
BNA_M
ClientSampled :
TP-9

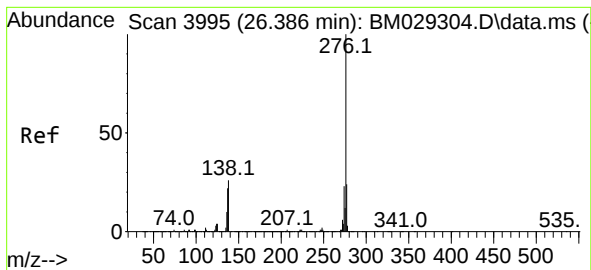
Tgt Ion:252 Resp: 379367
Ion Ratio Lower Upper
252 100
253 23.2 17.0 25.4
125 12.5 9.5 14.3



#91
Dibenzo(a,h)anthracene
Concen: 2.46 ng
RT: 25.921 min Scan# 3916
Delta R.T. 0.247 min
Lab File: BM029526.D
Acq: 16 Apr 2021 17:44

Tgt Ion:278 Resp: 60241
Ion Ratio Lower Upper
278 100
139 18.3 14.8 22.2
279 27.7 19.3 28.9





#92
 Benzo(g,h,i)perylene
 Concen: 10.42 ng
 RT: 26.338 min Scan# 3987
 Delta R.T. -0.006 min
 Lab File: BM029526.D
 Acq: 16 Apr 2021 17:44

Instrument :
 BNA_M
 ClientSampleId :
 TP-9

Tgt Ion:276 Resp: 245580
 Ion Ratio Lower Upper
 276 100
 277 25.1 18.7 28.1
 138 26.1 19.0 28.4

