

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041621\
 Data File : BM029520.D
 Acq On : 16 Apr 2021 14:04
 Operator : CG/JU
 Sample : M1947-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 FS-SB19B(19-20)

Quant Time: Apr 16 23:18:34 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)

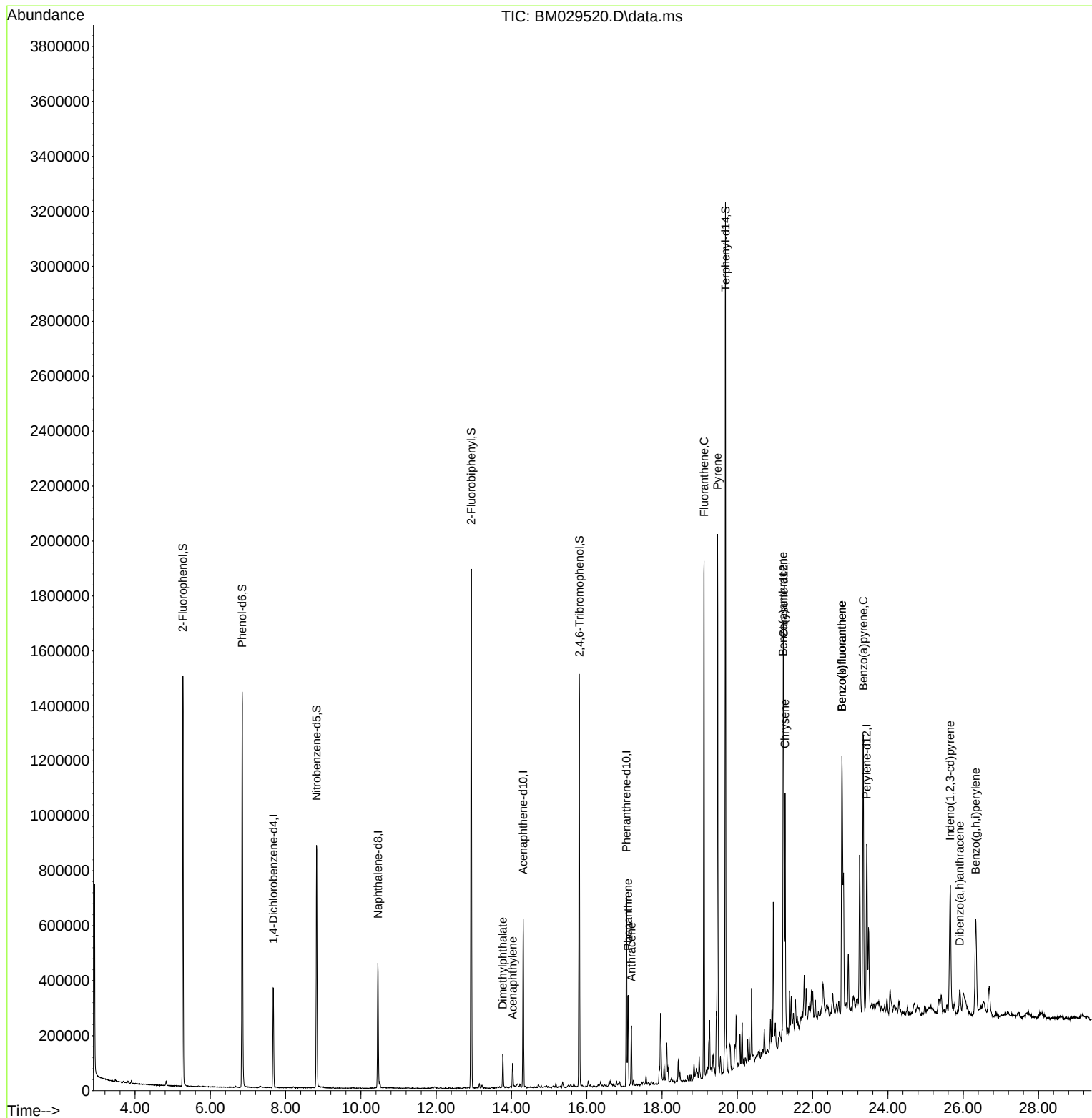
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.675	152	83092	20.00	ng	0.00
21) Naphthalene-d8	10.451	136	329536	20.00	ng	0.00
39) Acenaphthene-d10	14.310	164	179981	20.00	ng	0.00
64) Phenanthrene-d10	17.051	188	356990	20.00	ng	0.00
76) Chrysene-d12	21.233	240	356510	20.00	ng	0.00
86) Perylene-d12	23.438	264	367487	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.269	112	507797	100.90	ng	0.00
7) Phenol-d6	6.845	99	674770	94.97	ng	0.00
23) Nitrobenzene-d5	8.822	82	487206	67.78	ng	0.00
42) 2,4,6-Tribromophenol	15.804	330	184614	102.62	ng	0.00
45) 2-Fluorobiphenyl	12.933	172	847238	65.58	ng	0.00
79) Terphenyl-d14	19.686	244	1131849	60.30	ng	0.00
Target Compounds						
						Qvalue
49) Acenaphthylene	14.033	152	61770	3.67	ng	99
50) Dimethylphthalate	13.768	163	63630	4.90	ng	98
71) Phenanthrene	17.098	178	180871	8.76	ng	99
72) Anthracene	17.186	178	110991	5.44	ng	99
75) Fluoranthene	19.115	202	982786	42.73	ng	99
78) Pyrene	19.474	202	1034392	41.75	ng	100
81) Benzo(a)anthracene	21.215	228	504835	21.22	ng	95
83) Chrysene	21.268	228	412038	17.69	ng	97
87) Indeno(1,2,3-cd)pyrene	25.656	276	390998	14.43	ng	97
88) Benzo(b)fluoranthene	22.780	252	929080	38.50	ng	98
89) Benzo(k)fluoranthene	22.780	252	929080	40.26	ng	97
90) Benzo(a)pyrene	23.344	252	569162	25.80	ng	96
91) Dibenzo(a,h)anthracene	25.909	278	75315	3.24	ng	98
92) Benzo(g,h,i)perylene	26.332	276	359935	16.05	ng	95

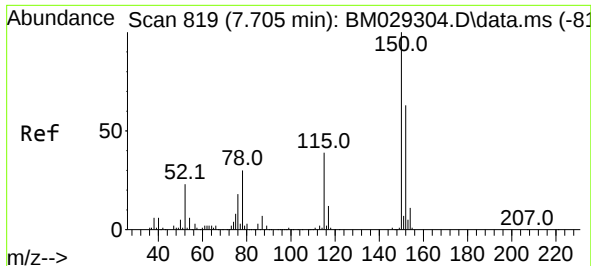
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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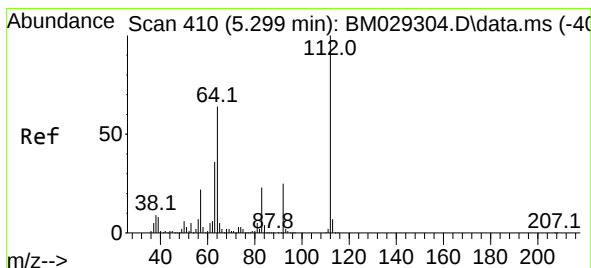
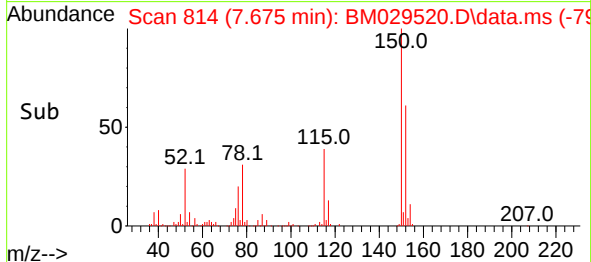
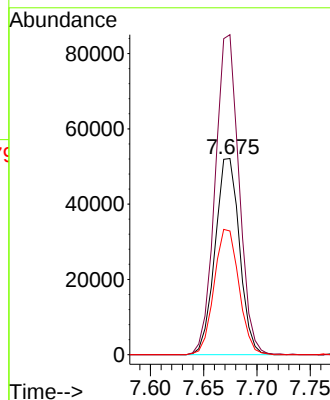
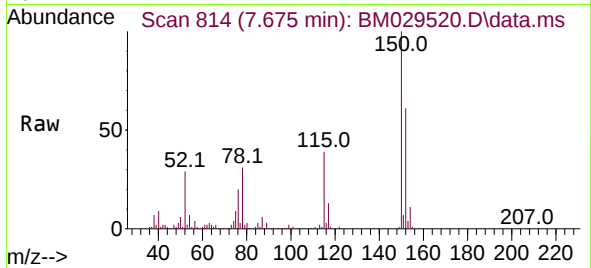




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.675 min Scan# 814
Delta R.T. -0.000 min
Lab File: BM029520.D
Acq: 16 Apr 2021 14:04

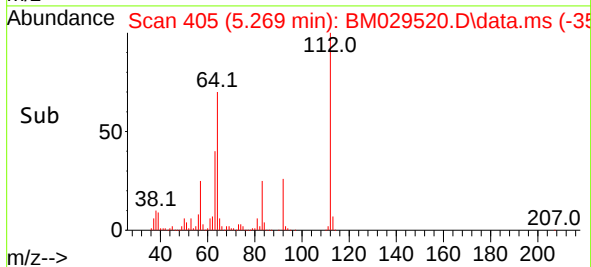
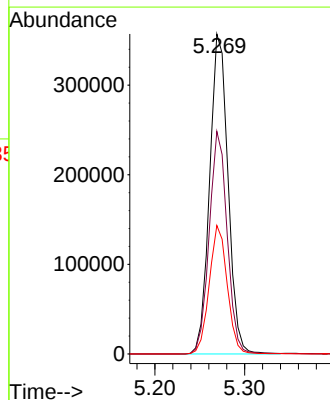
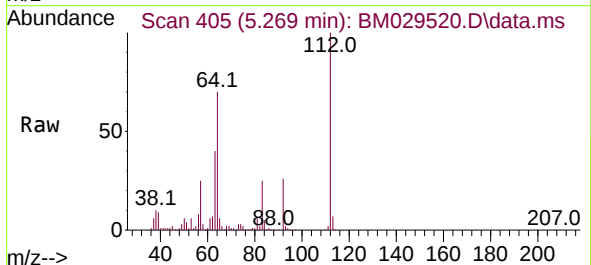
Instrument :
BNA_M
ClientSampleId :
FS-SB19B(19-20)

Tgt Ion:152 Resp: 83092
Ion Ratio Lower Upper
152 100
150 163.2 124.3 186.5
115 63.1 46.4 69.6



#5
2-Fluorophenol
Concen: 100.90 ng
RT: 5.269 min Scan# 405
Delta R.T. -0.000 min
Lab File: BM029520.D
Acq: 16 Apr 2021 14:04

Tgt Ion:112 Resp: 507797
Ion Ratio Lower Upper
112 100
64 69.5 51.6 77.4
63 40.1 29.0 43.4

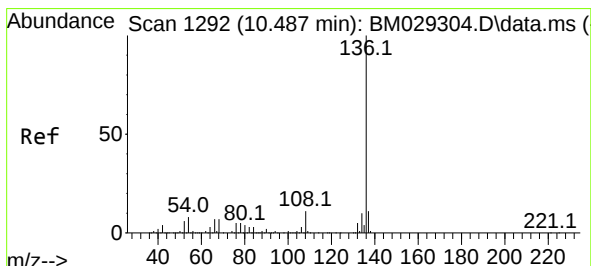
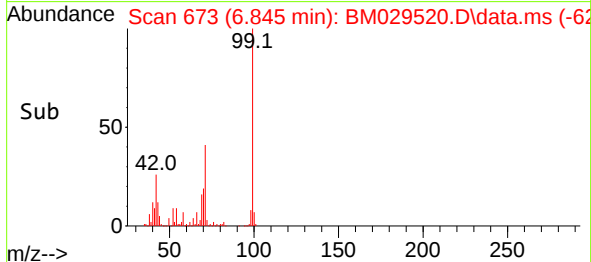
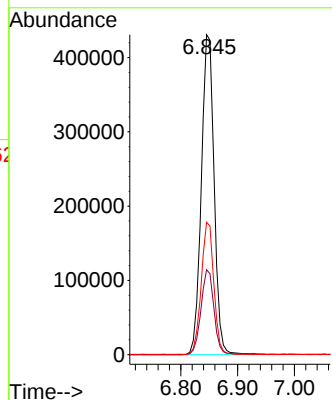
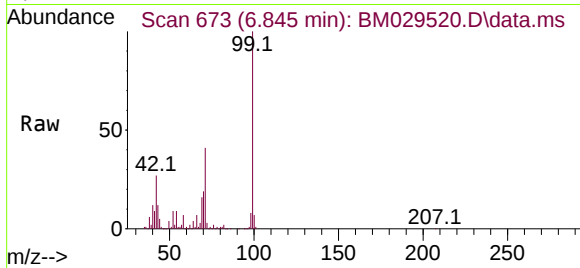




#7
Phenol-d6
Concen: 94.97 ng
RT: 6.845 min Scan# 673
Delta R.T. -0.006 min
Lab File: BM029520.D
Acq: 16 Apr 2021 14:04

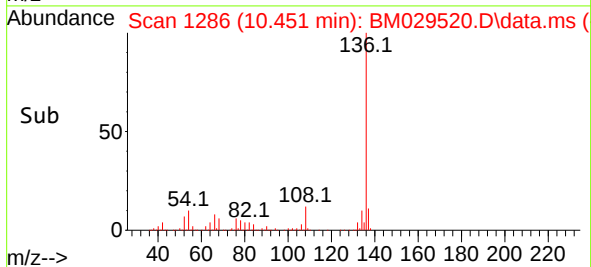
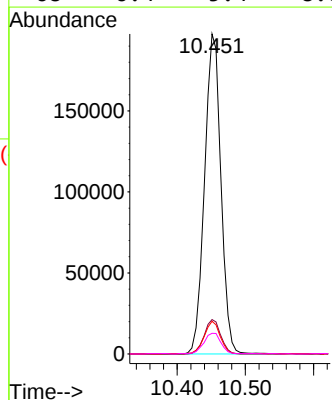
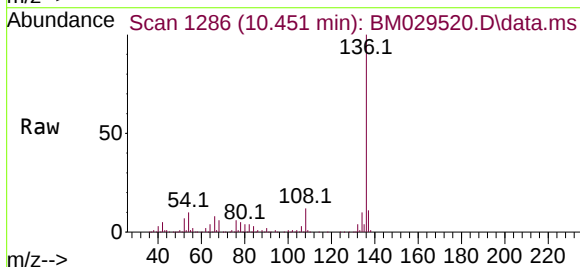
Instrument :
BNA_M
ClientSampleId :
FS-SB19B(19-20)

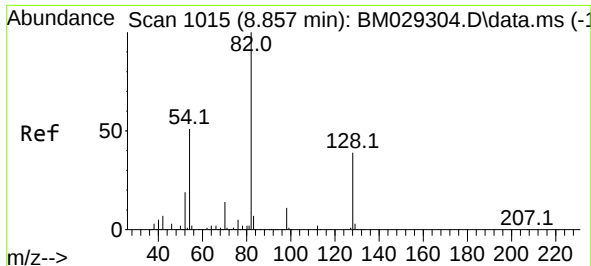
Tgt Ion:	99	Resp:	674770
Ion	Ratio	Lower	Upper
99	100		
42	26.5	18.5	27.7
71	41.4	31.8	47.6



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.451 min Scan# 1286
Delta R.T. -0.006 min
Lab File: BM029520.D
Acq: 16 Apr 2021 14:04

Tgt Ion:	136	Resp:	329536
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.3	13.9
54	10.2	6.9	10.3
68	6.4	5.4	8.0

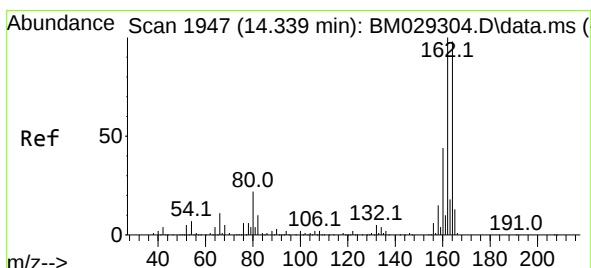
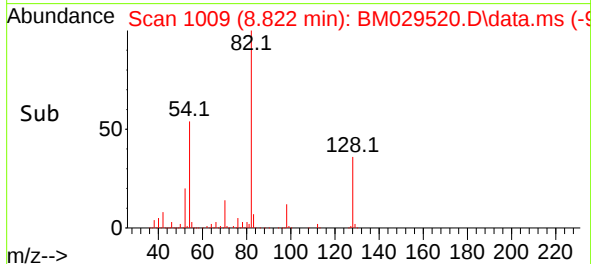
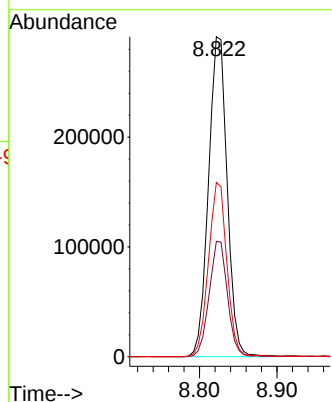
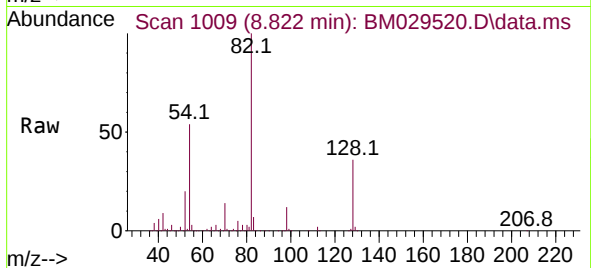




#23
Nitrobenzene-d5
Concen: 67.78 ng
RT: 8.822 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BM029520.D
Acq: 16 Apr 2021 14:04

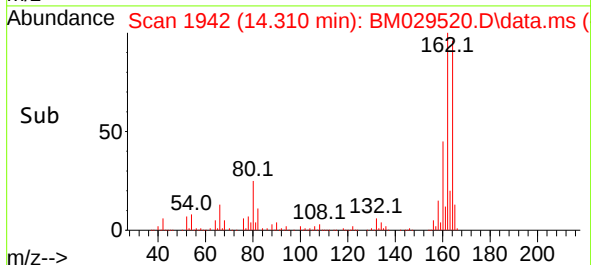
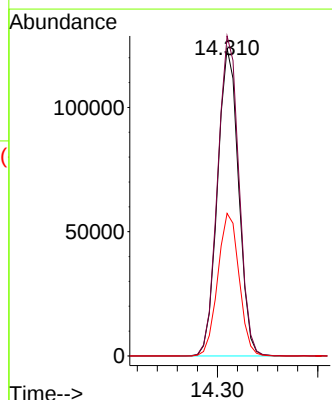
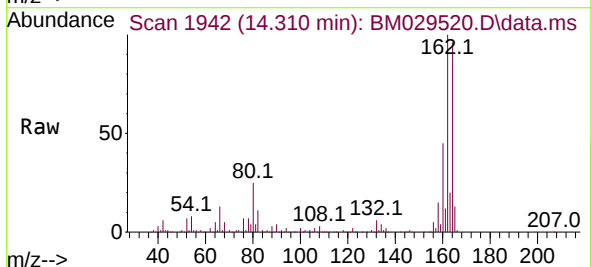
Instrument :
BNA_M
ClientSampleId :
FS-SB19B(19-20)

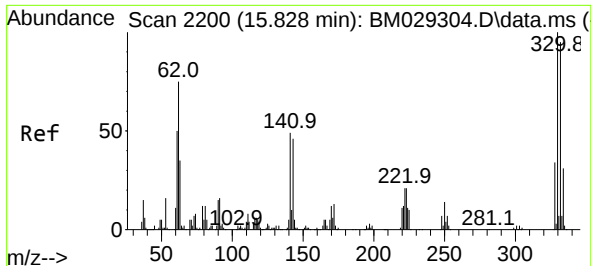
Tgt Ion: 82 Resp: 487206
Ion Ratio Lower Upper
82 100
128 36.0 28.6 42.8
54 54.4 40.7 61.1



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.310 min Scan# 1942
Delta R.T. -0.006 min
Lab File: BM029520.D
Acq: 16 Apr 2021 14:04

Tgt Ion: 164 Resp: 179981
Ion Ratio Lower Upper
164 100
162 103.9 84.4 126.6
160 46.3 36.6 54.8

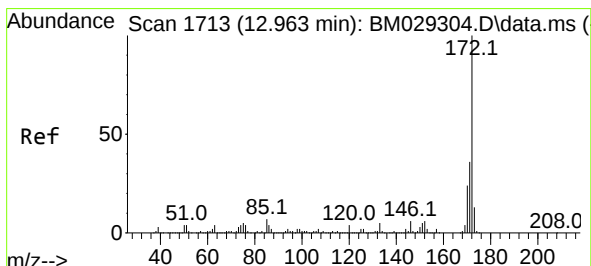
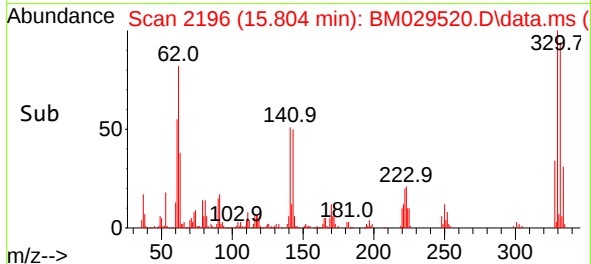
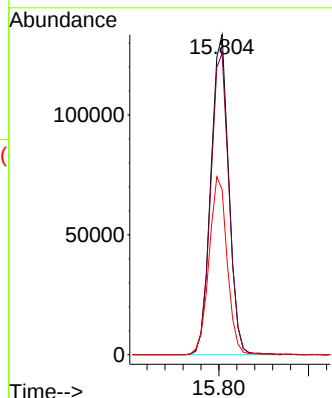
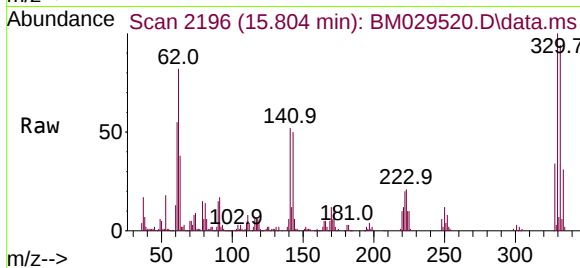




#42
2,4,6-Tribromophenol
Concen: 102.62 ng
RT: 15.804 min Scan# 2196
Delta R.T. -0.000 min
Lab File: BM029520.D
Acq: 16 Apr 2021 14:04

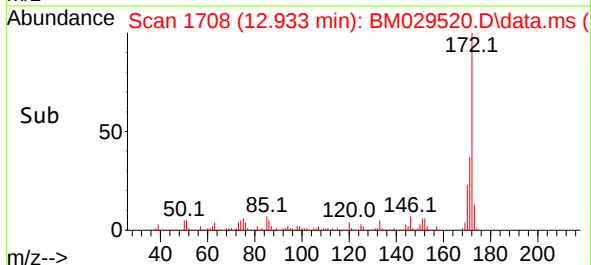
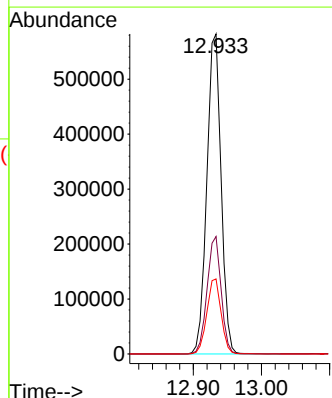
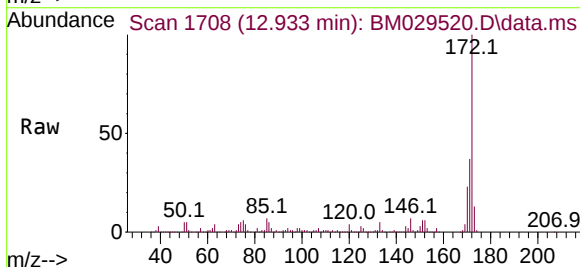
Instrument :
BNA_M
ClientSampleId :
FS-SB19B(19-20)

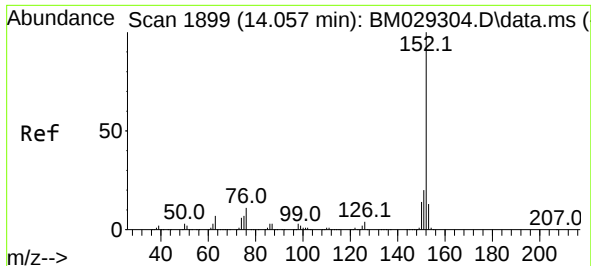
Tgt Ion:330 Resp: 184614
Ion Ratio Lower Upper
330 100
332 96.4 77.1 115.7
141 56.1 39.2 58.8



#45
2-Fluorobiphenyl
Concen: 65.58 ng
RT: 12.933 min Scan# 1708
Delta R.T. -0.000 min
Lab File: BM029520.D
Acq: 16 Apr 2021 14:04

Tgt Ion:172 Resp: 847238
Ion Ratio Lower Upper
172 100
171 36.7 28.7 43.1
170 23.4 18.8 28.2





#49

Acenaphthylene

Concen: 3.67 ng

RT: 14.033 min Scan# 1895

Delta R.T. -0.000 min

Lab File: BM029520.D

Acq: 16 Apr 2021 14:04

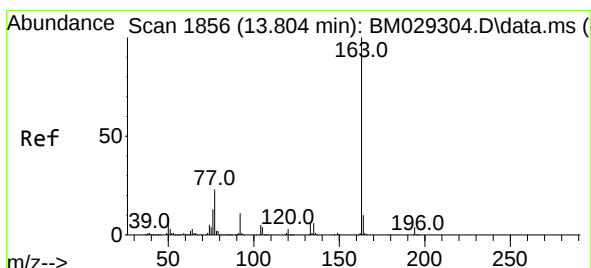
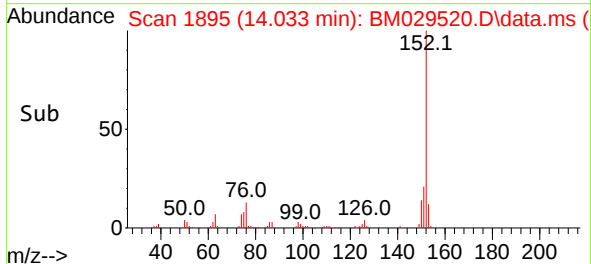
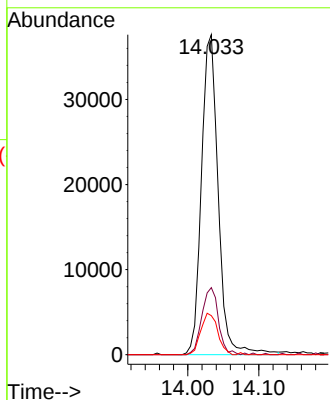
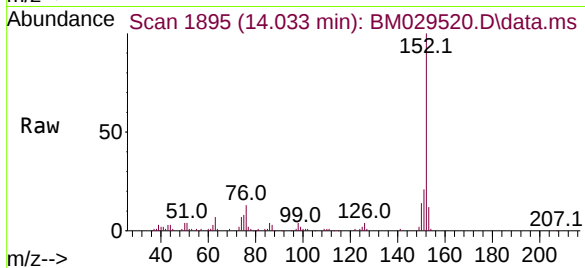
Instrument :

BNA_M

ClientSampleId :

FS-SB19B(19-20)

Tgt Ion:152	Resp: 61770
Ion Ratio	Lower Upper
152	100
151	21.0 16.2 24.4
153	12.2 10.2 15.2



#50

Dimethylphthalate

Concen: 4.90 ng

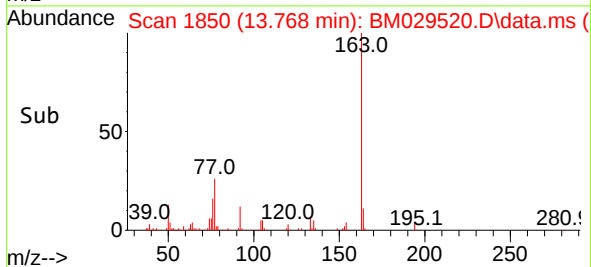
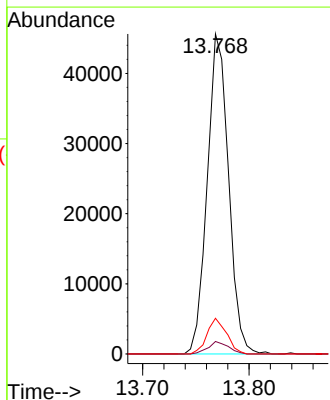
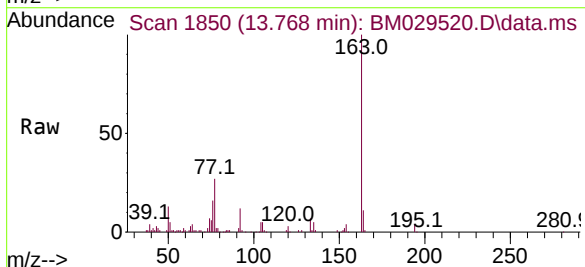
RT: 13.768 min Scan# 1850

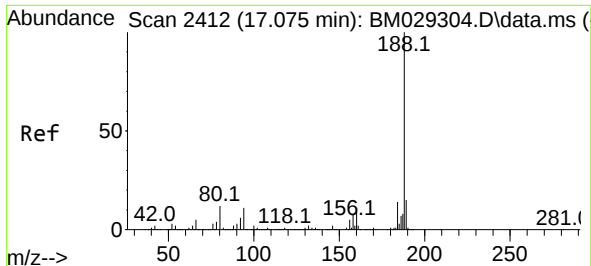
Delta R.T. -0.012 min

Lab File: BM029520.D

Acq: 16 Apr 2021 14:04

Tgt Ion:163	Resp: 63630
Ion Ratio	Lower Upper
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194	3.9 3.2 4.8
164	11.1 7.9 11.9

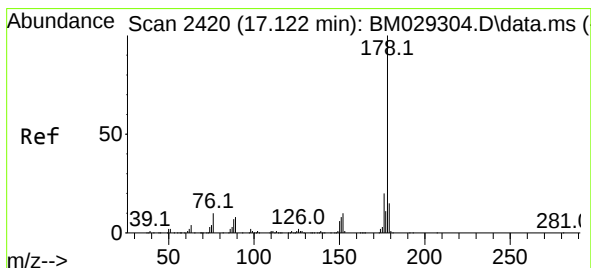
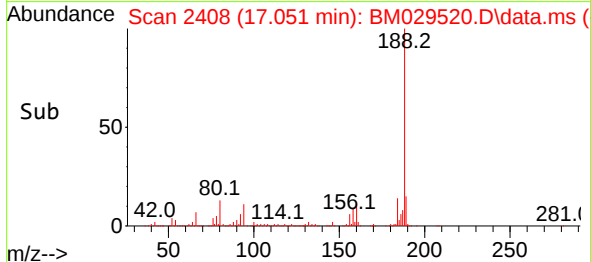
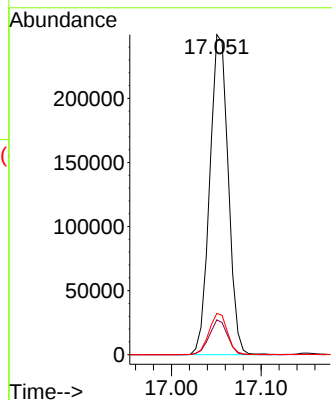
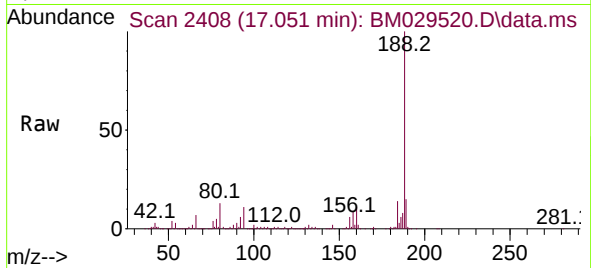




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.051 min Scan# 2408
Delta R.T. -0.006 min
Lab File: BM029520.D
Acq: 16 Apr 2021 14:04

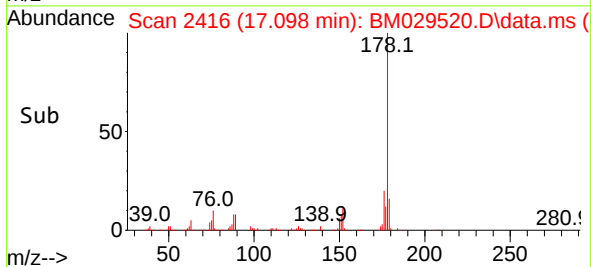
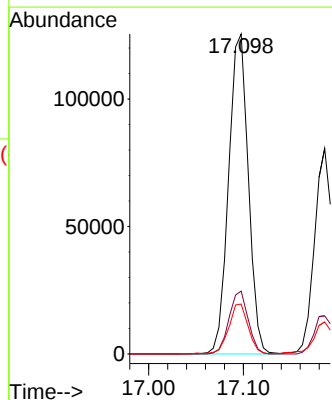
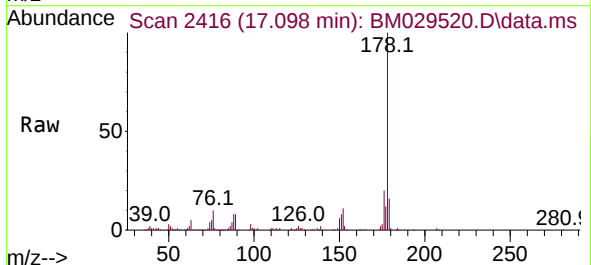
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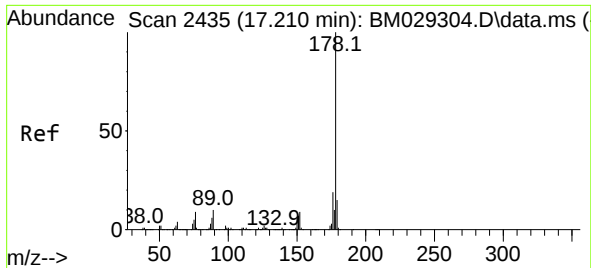
Tgt Ion:188 Resp: 356990
Ion Ratio Lower Upper
188 100
94 10.9 8.1 12.1
80 12.9 9.2 13.8



#71
Phenanthrene
Concen: 8.76 ng
RT: 17.098 min Scan# 2416
Delta R.T. -0.000 min
Lab File: BM029520.D
Acq: 16 Apr 2021 14:04

Tgt Ion:178 Resp: 180871
Ion Ratio Lower Upper
178 100
176 19.6 15.7 23.5
179 15.6 11.9 17.9

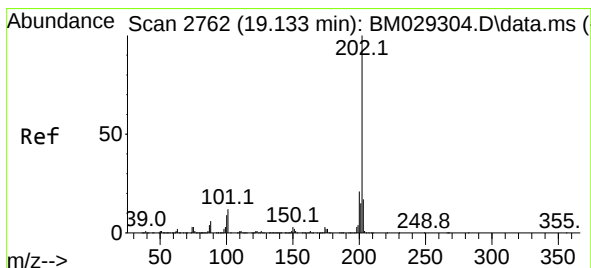
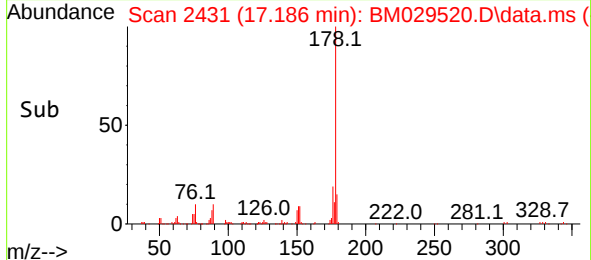
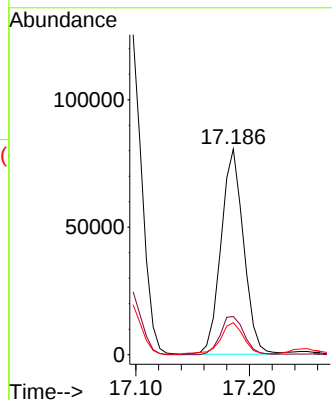
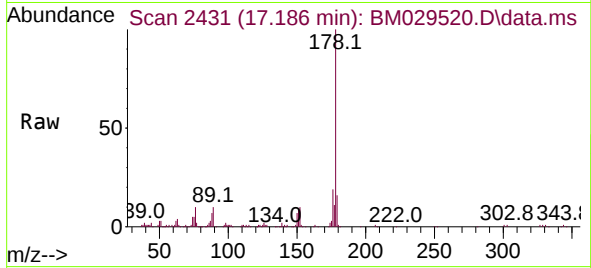




#72
 Anthracene
 Concen: 5.44 ng
 RT: 17.186 min Scan# 2431
 Delta R.T. -0.006 min
 Lab File: BM029520.D
 Acq: 16 Apr 2021 14:04

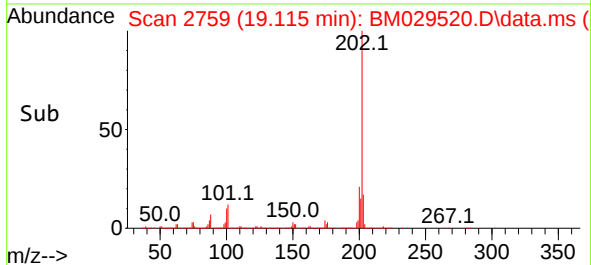
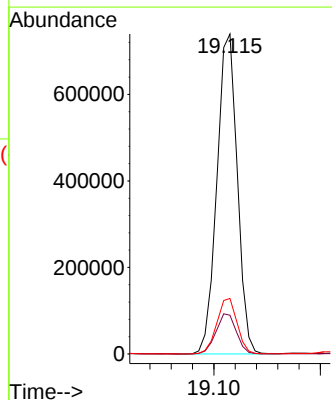
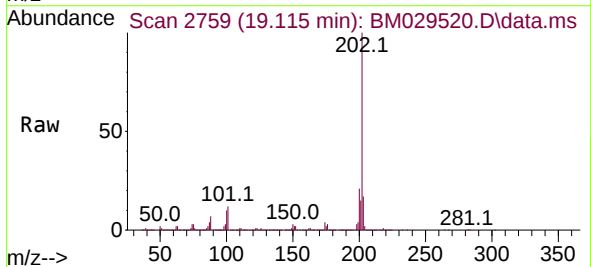
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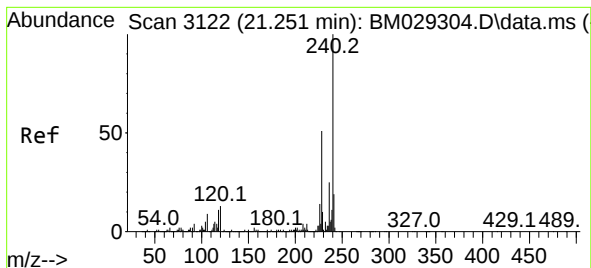
Tgt Ion:178 Resp: 110991
 Ion Ratio Lower Upper
 178 100
 176 18.5 14.9 22.3
 179 15.5 12.1 18.1



#75
 Fluoranthene
 Concen: 42.73 ng
 RT: 19.115 min Scan# 2759
 Delta R.T. -0.000 min
 Lab File: BM029520.D
 Acq: 16 Apr 2021 14:04

Tgt Ion:202 Resp: 982786
 Ion Ratio Lower Upper
 202 100
 101 12.1 0.0 31.5
 203 17.4 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: BM029520.D

Acq: 16 Apr 2021 14:04

Tgt Ion:240 Resp: 356510

Ion Ratio Lower Upper

240 100

120 12.8 9.0 13.6

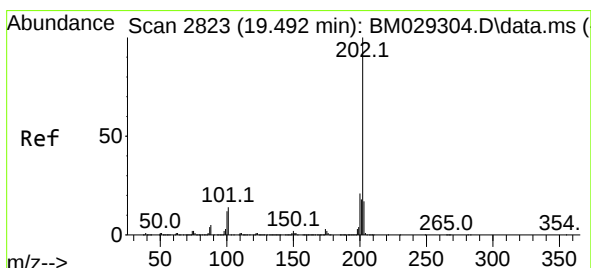
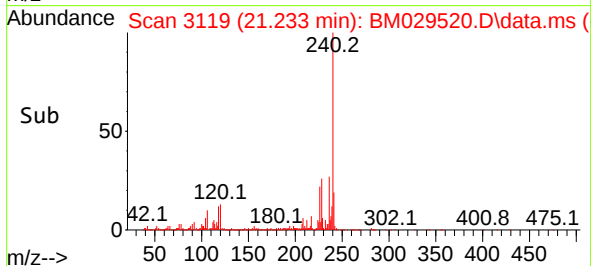
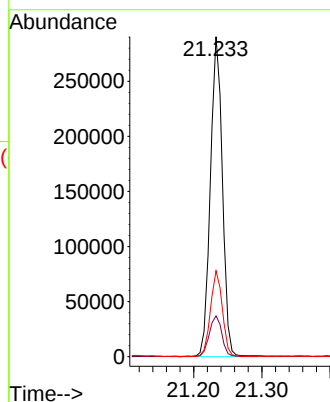
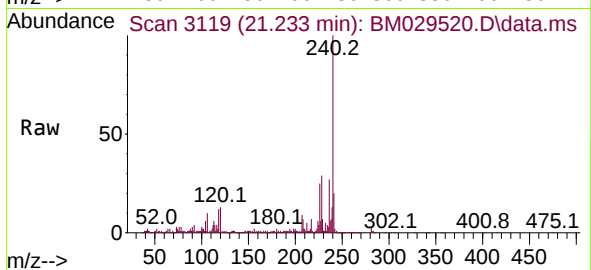
236 26.8 20.3 30.5

Instrument :

BNA_M

ClientSampleId :

FS-SB19B(19-20)



#78

Pyrene

Concen: 41.75 ng

RT: 19.474 min Scan# 2820

Delta R.T. -0.000 min

Lab File: BM029520.D

Acq: 16 Apr 2021 14:04

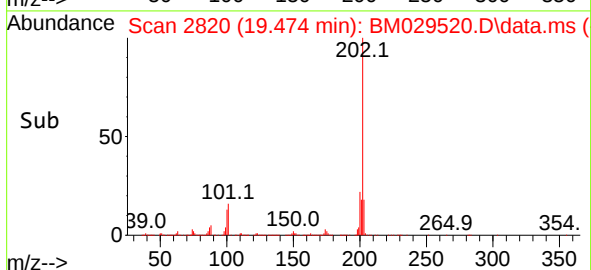
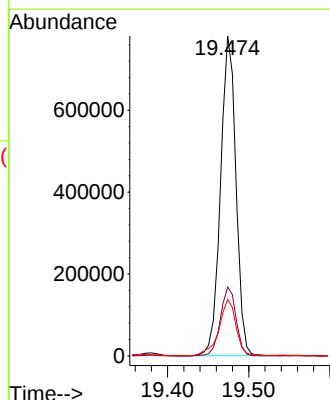
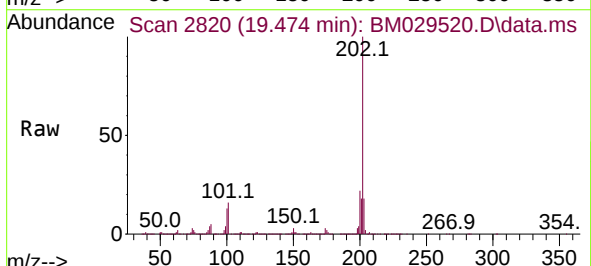
Tgt Ion:202 Resp: 1034392

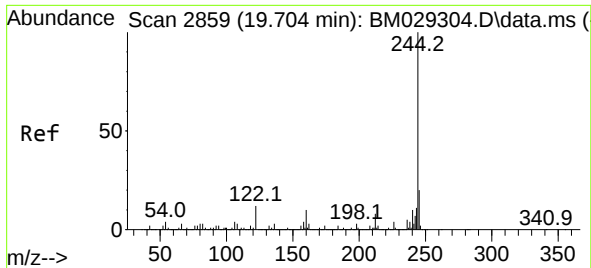
Ion Ratio Lower Upper

202 100

200 21.6 17.0 25.6

203 17.7 14.1 21.1

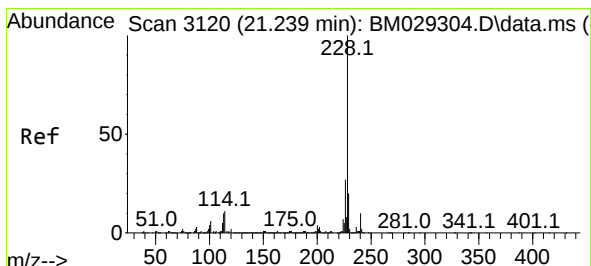
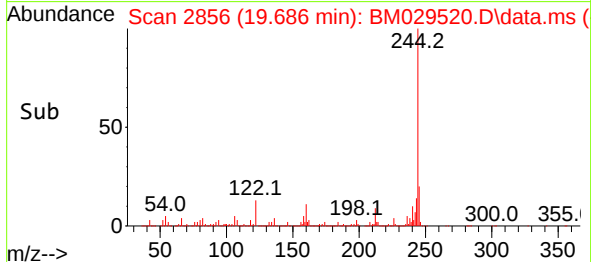
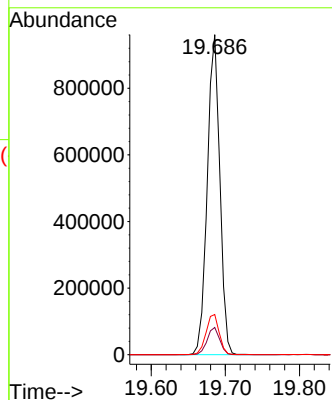
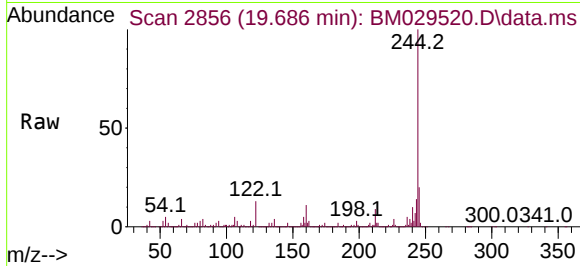




#79
 Terphenyl-d14
 Concen: 60.30 ng
 RT: 19.686 min Scan# 2856
 Delta R.T. -0.000 min
 Lab File: BM029520.D
 Acq: 16 Apr 2021 14:04

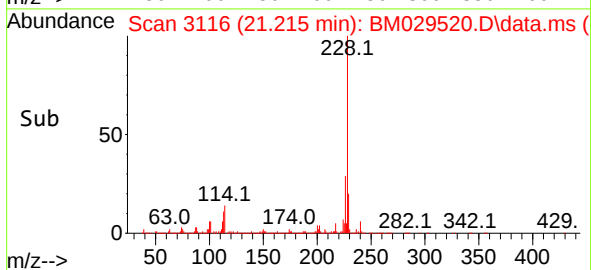
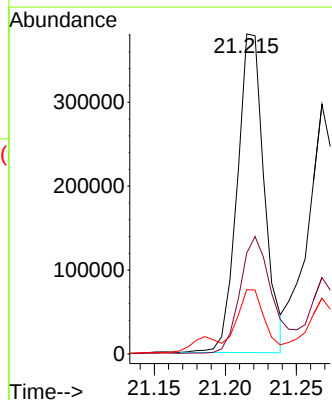
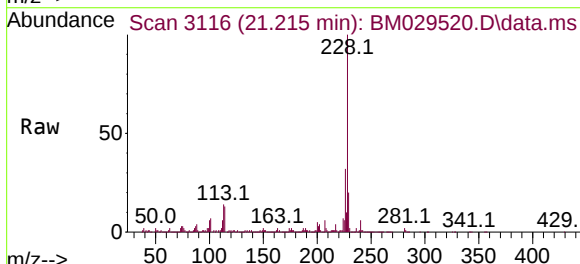
Instrument :
 BNA_M
 ClientSampleId :
 FS-SB19B(19-20)

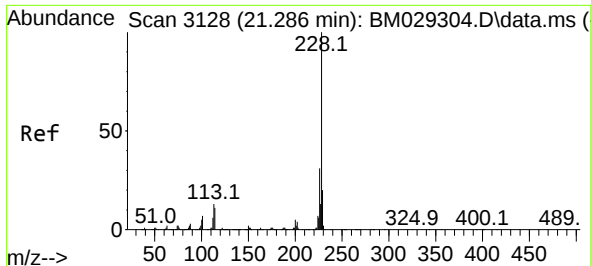
Tgt Ion:244 Resp: 1131849
 Ion Ratio Lower Upper
 244 100
 212 8.5 6.5 9.7
 122 12.5 9.2 13.8



#81
 Benzo(a)anthracene
 Concen: 21.22 ng
 RT: 21.215 min Scan# 3116
 Delta R.T. -0.006 min
 Lab File: BM029520.D
 Acq: 16 Apr 2021 14:04

Tgt Ion:228 Resp: 504835
 Ion Ratio Lower Upper
 228 100
 226 31.5 21.9 32.9
 229 20.1 15.7 23.5

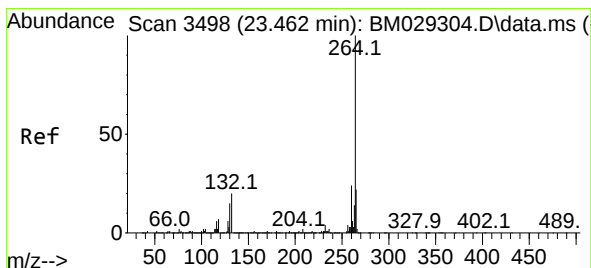
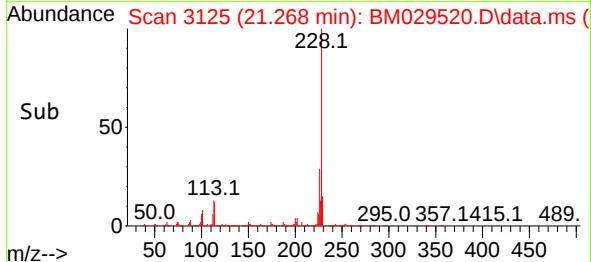
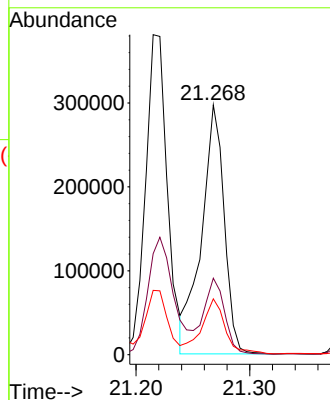
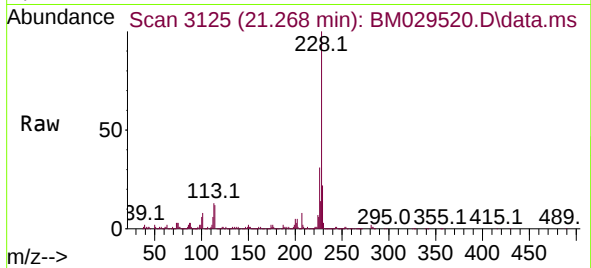




#83
Chrysene
Concen: 17.69 ng
RT: 21.268 min Scan# 3125
Delta R.T. -0.006 min
Lab File: BM029520.D
Acq: 16 Apr 2021 14:04

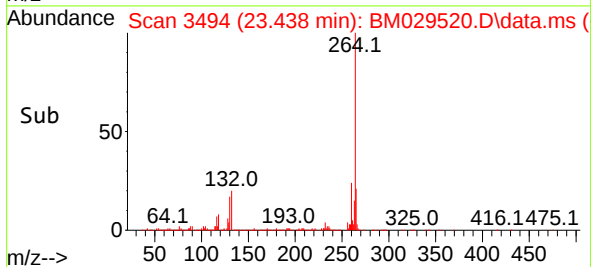
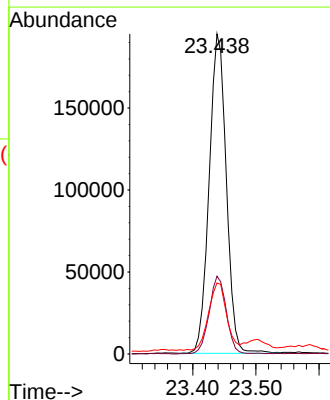
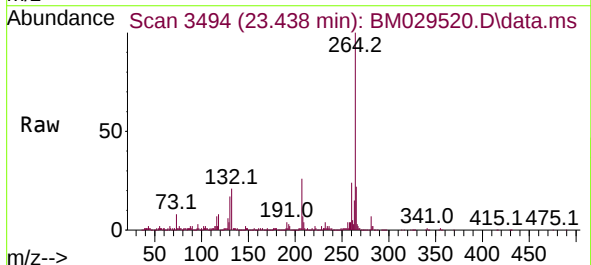
Instrument :
BNA_M
ClientSampleId :
FS-SB19B(19-20)

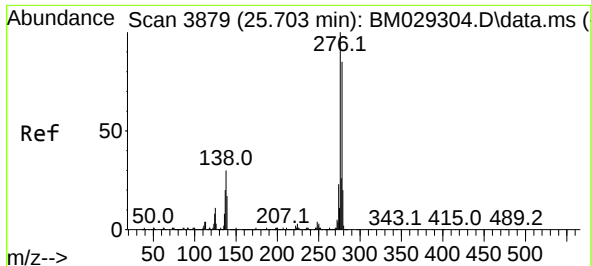
Tgt Ion:228 Resp: 412038
Ion Ratio Lower Upper
228 100
226 30.6 24.7 37.1
229 22.4 15.8 23.6



#86
Perylene-d12
Concen: 20.00 ng
RT: 23.438 min Scan# 3494
Delta R.T. -0.000 min
Lab File: BM029520.D
Acq: 16 Apr 2021 14:04

Tgt Ion:264 Resp: 367487
Ion Ratio Lower Upper
264 100
260 24.3 19.6 29.4
265 22.2 17.8 26.8

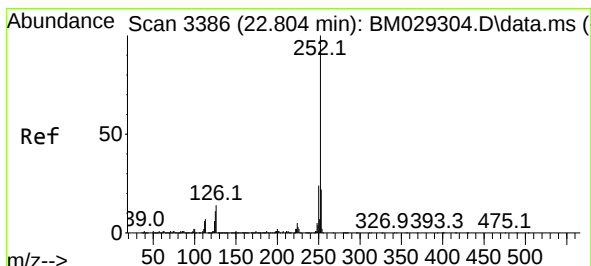
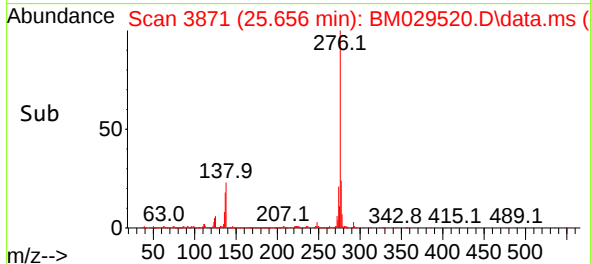
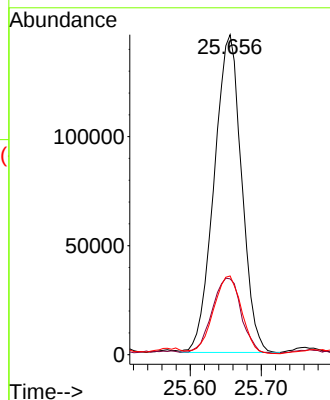
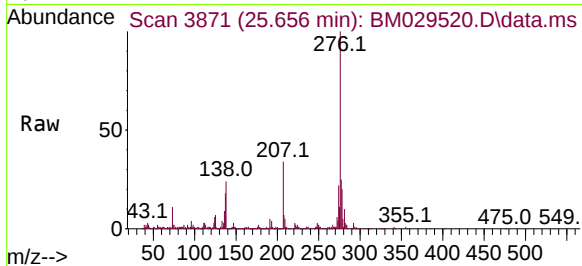




#87
Indeno(1,2,3-cd)pyrene
Concen: 14.43 ng
RT: 25.656 min Scan# 3871
Delta R.T. -0.012 min
Lab File: BM029520.D
Acq: 16 Apr 2021 14:04

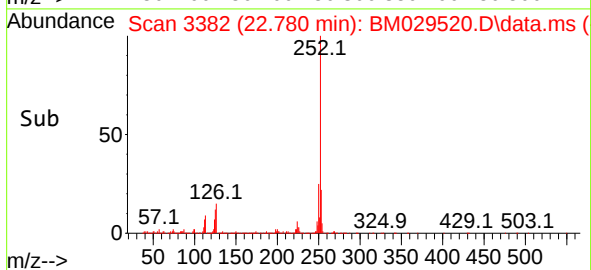
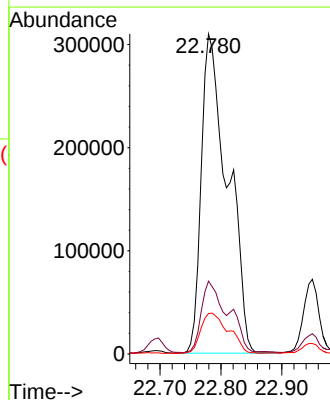
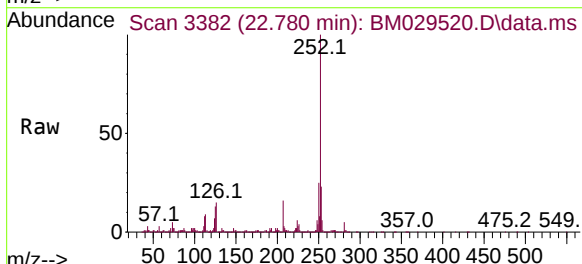
Instrument :
BNA_M
ClientSampleId :
FS-SB19B(19-20)

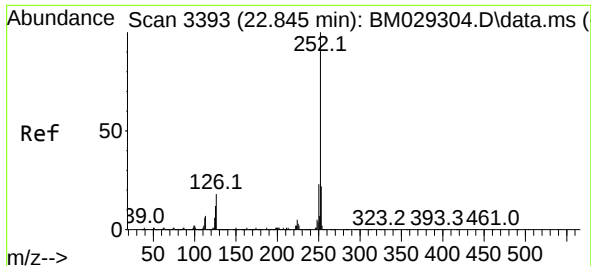
Tgt Ion:	276	Resp:	390998
Ion Ratio	Lower	Upper	
276	100		
138	25.4	22.6	34.0
277	25.2	20.2	30.4



#88
Benzo(b)fluoranthene
Concen: 38.50 ng
RT: 22.780 min Scan# 3382
Delta R.T. -0.000 min
Lab File: BM029520.D
Acq: 16 Apr 2021 14:04

Tgt Ion:	252	Resp:	929080
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.6	26.4
125	12.7	9.0	13.4

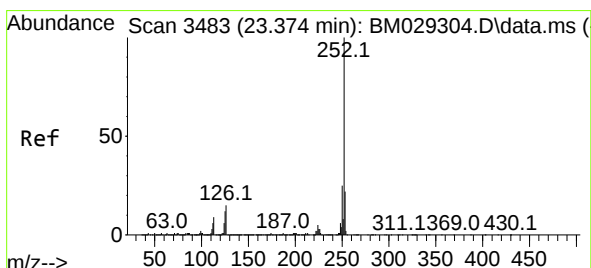
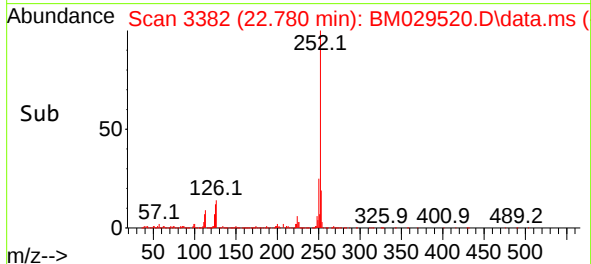
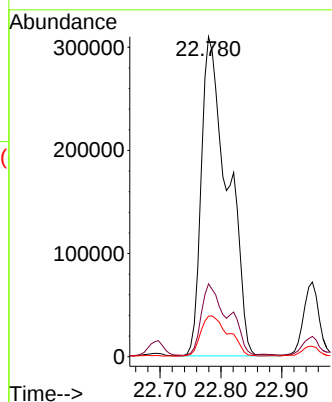
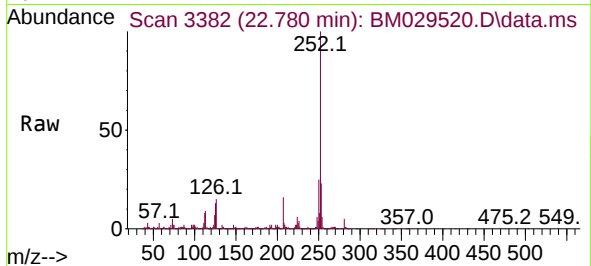




#89
Benzo(k)fluoranthene
Concen: 40.26 ng
RT: 22.780 min Scan# 3382
Delta R.T. -0.047 min
Lab File: BM029520.D
Acq: 16 Apr 2021 14:04

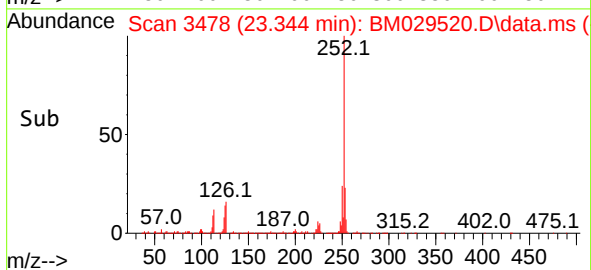
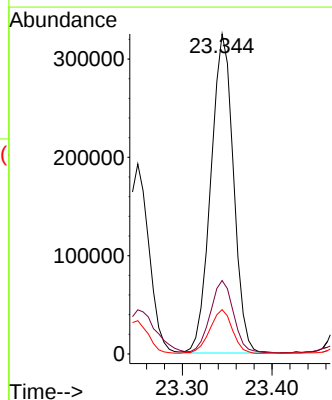
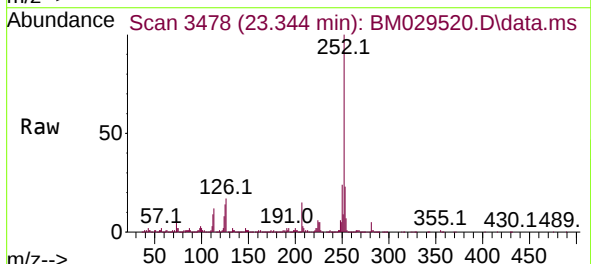
Instrument :
BNA_M
ClientSampleId :
FS-SB19B(19-20)

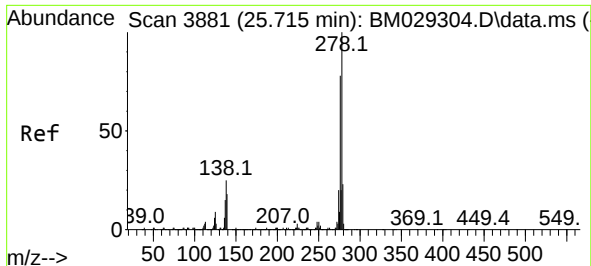
Tgt Ion:252 Resp: 929080
Ion Ratio Lower Upper
252 100
253 22.8 17.6 26.4
125 12.7 8.7 13.1



#90
Benzo(a)pyrene
Concen: 25.80 ng
RT: 23.344 min Scan# 3478
Delta R.T. -0.000 min
Lab File: BM029520.D
Acq: 16 Apr 2021 14:04

Tgt Ion:252 Resp: 569162
Ion Ratio Lower Upper
252 100
253 23.0 17.0 25.4
125 13.9 9.5 14.3

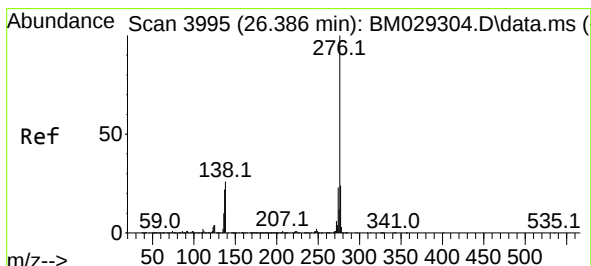
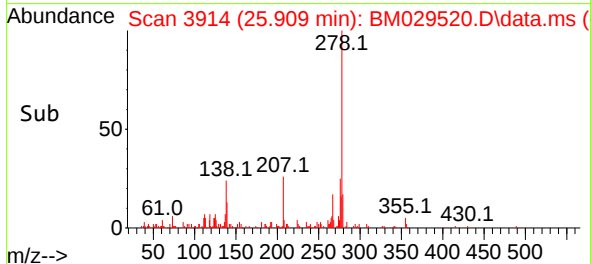
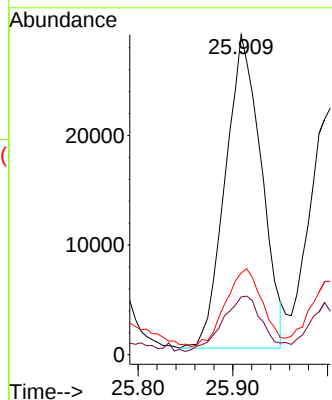
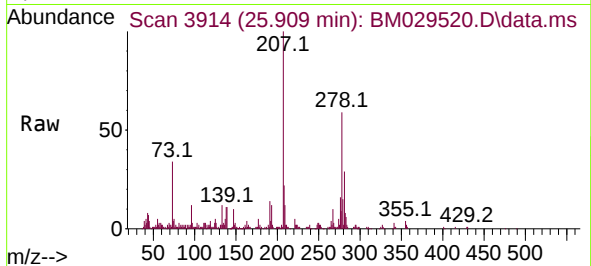




#91
Dibenzo(a,h)anthracene
Concen: 3.24 ng
RT: 25.909 min Scan# 3914
Delta R.T. 0.235 min
Lab File: BM029520.D
Acq: 16 Apr 2021 14:04

Instrument :
BNA_M
ClientSampleId :
FS-SB19B(19-20)

Tgt Ion:278 Resp: 75315
Ion Ratio Lower Upper
278 100
139 18.0 14.8 22.2
279 25.6 19.3 28.9



#92
Benzo(g,h,i)perylene
Concen: 16.05 ng
RT: 26.332 min Scan# 3986
Delta R.T. -0.012 min
Lab File: BM029520.D
Acq: 16 Apr 2021 14:04

Tgt Ion:276 Resp: 359935
Ion Ratio Lower Upper
276 100
277 24.7 18.7 28.1
138 27.4 19.0 28.4

