

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041621\
 Data File : BM029522.D
 Acq On : 16 Apr 2021 15:17
 Operator : CG/JU
 Sample : M1947-07
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 FS-SB9(20-21)

Quant Time: Apr 16 23:18:58 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)

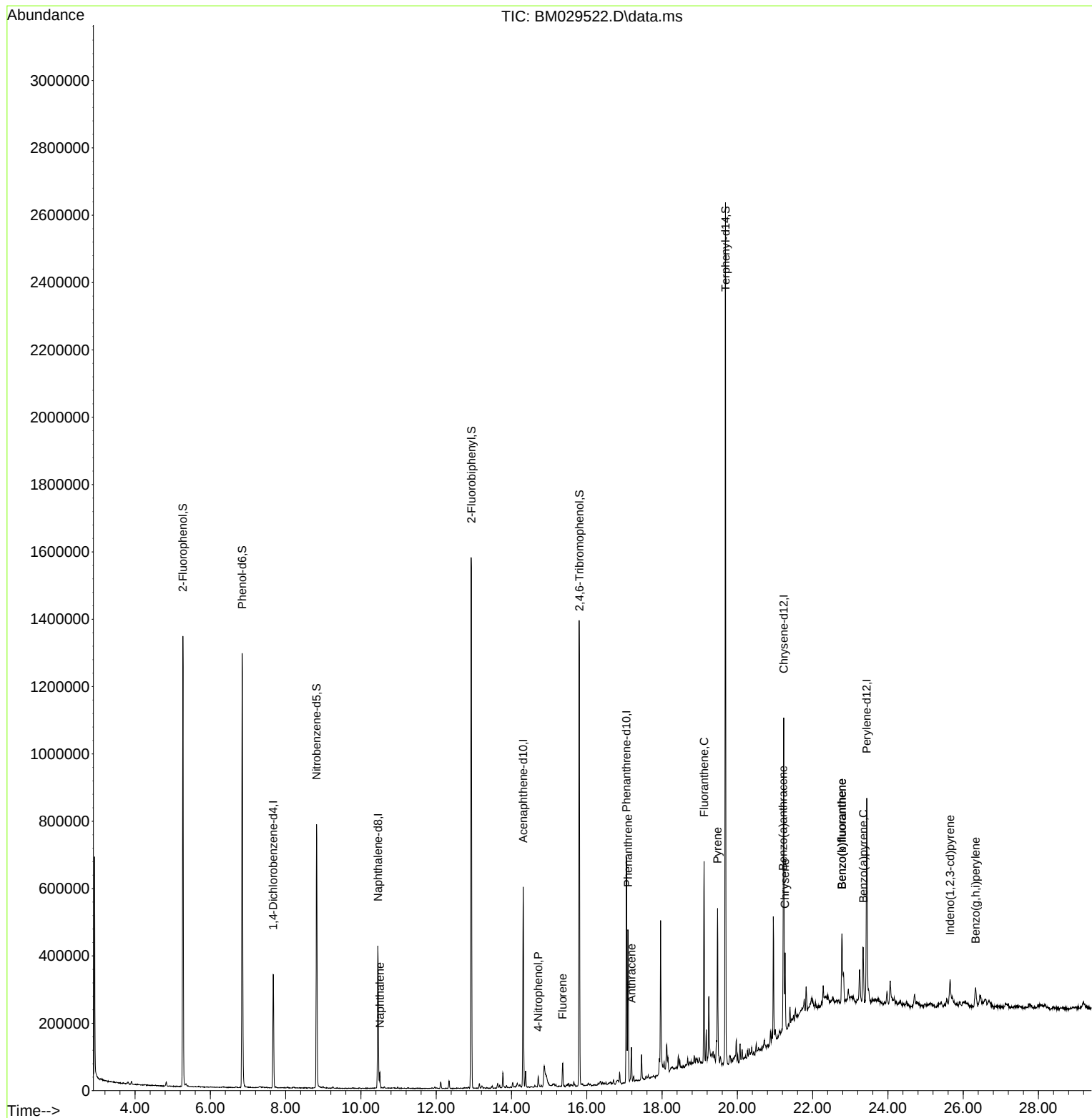
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.669	152	77175	20.00	ng	0.00
21) Naphthalene-d8	10.451	136	301417	20.00	ng	# 0.00
39) Acenaphthene-d10	14.310	164	171051	20.00	ng	0.00
64) Phenanthrene-d10	17.051	188	349651	20.00	ng	0.00
76) Chrysene-d12	21.233	240	343667	20.00	ng	0.00
86) Perylene-d12	23.439	264	358902	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.269	112	457672	97.91	ng	0.00
7) Phenol-d6	6.846	99	595865	90.30	ng	0.00
23) Nitrobenzene-d5	8.822	82	428576	65.19	ng	0.00
42) 2,4,6-Tribromophenol	15.804	330	169410	99.09	ng	0.00
45) 2-Fluorobiphenyl	12.933	172	708254	57.69	ng	0.00
79) Terphenyl-d14	19.686	244	913572	50.49	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	10.504	128	32634	2.05	ng	100
56) 4-Nitrophenol	14.710	139	6195	2.59	ng	# 4
58) Fluorene	15.357	166	27198	2.14	ng	97
71) Phenanthrene	17.098	178	242700	12.00	ng	98
72) Anthracene	17.186	178	50510	2.53	ng	97
75) Fluoranthene	19.115	202	286972	12.74	ng	99
78) Pyrene	19.474	202	240405	10.07	ng	100
81) Benzo(a)anthracene	21.215	228	107463	4.69	ng	98
83) Chrysene	21.268	228	101275	4.51	ng	98
87) Indeno(1,2,3-cd)pyrene	25.650	276	58306	2.20	ng	96
88) Benzo(b)fluoranthene	22.780	252	161025	6.83	ng	96
89) Benzo(k)fluoranthene	22.780	252	161025	7.14	ng	96
90) Benzo(a)pyrene	23.344	252	83621	3.88	ng	93
92) Benzo(g,h,i)perylene	26.327	276	57799	2.64	ng	97

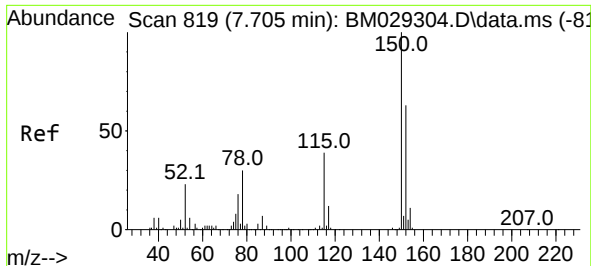
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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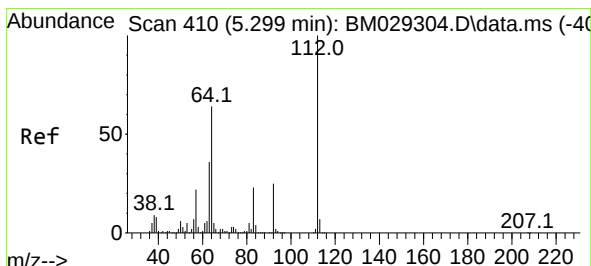
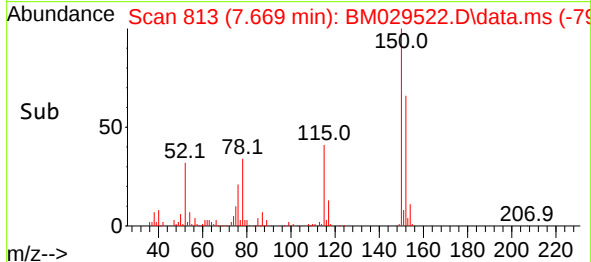
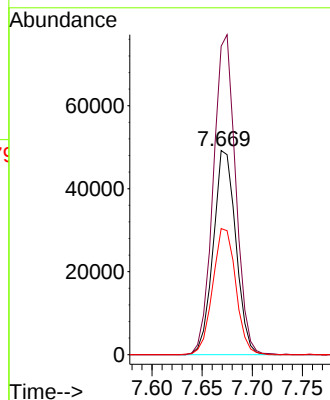
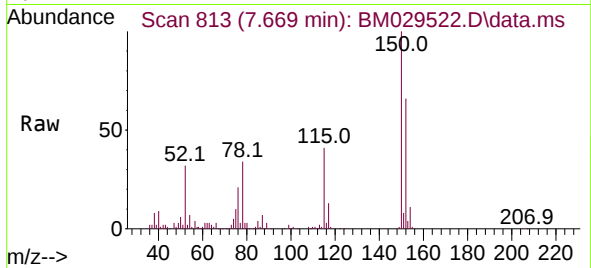




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.669 min Scan# 813
Delta R.T. -0.006 min
Lab File: BM029522.D
Acq: 16 Apr 2021 15:17

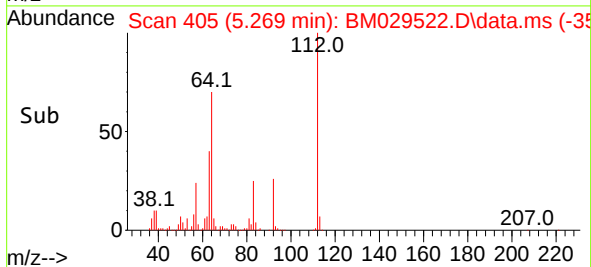
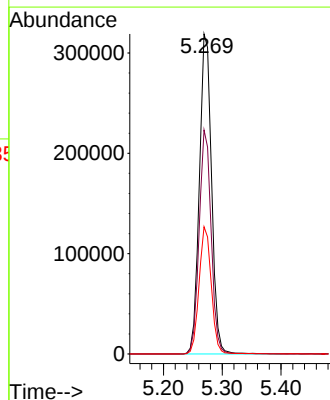
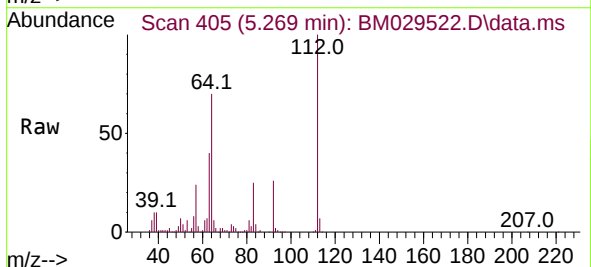
Instrument :
BNA_M
ClientSampleId :
FS-SB9(20-21)

Tgt Ion:152 Resp: 77175
Ion Ratio Lower Upper
152 100
150 151.1 124.3 186.5
115 61.7 46.4 69.6



#5
2-Fluorophenol
Concen: 97.91 ng
RT: 5.269 min Scan# 405
Delta R.T. 0.000 min
Lab File: BM029522.D
Acq: 16 Apr 2021 15:17

Tgt Ion:112 Resp: 457672
Ion Ratio Lower Upper
112 100
64 70.0 51.6 77.4
63 39.8 29.0 43.4

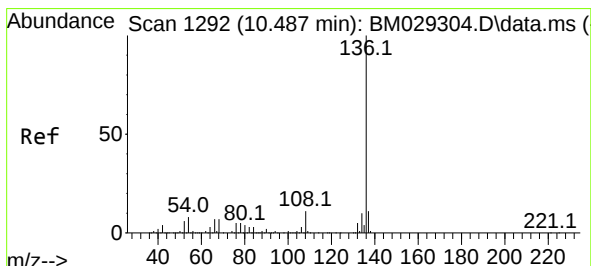
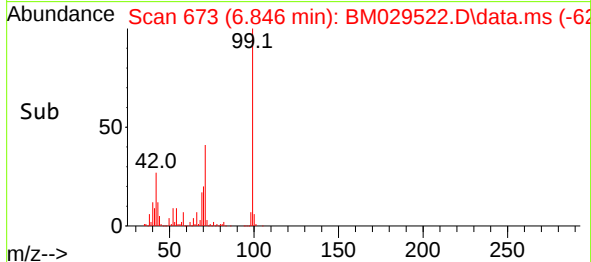
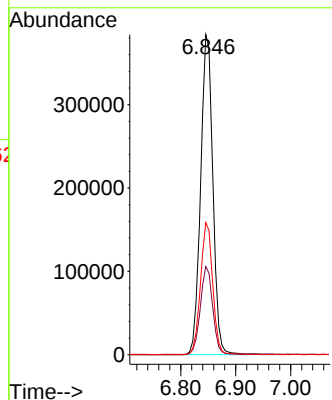
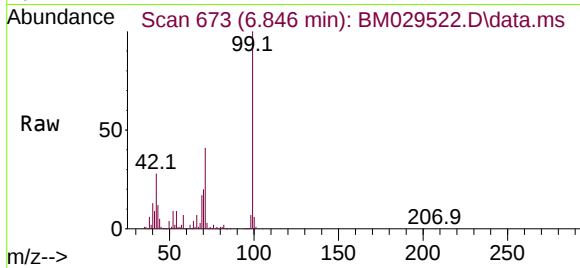




#7
Phenol-d6
Concen: 90.30 ng
RT: 6.846 min Scan# 673
Delta R.T. -0.006 min
Lab File: BM029522.D
Acq: 16 Apr 2021 15:17

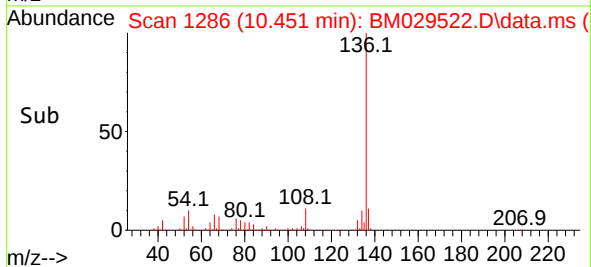
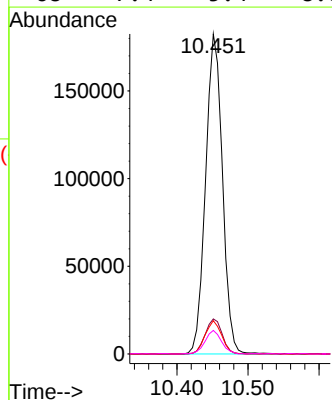
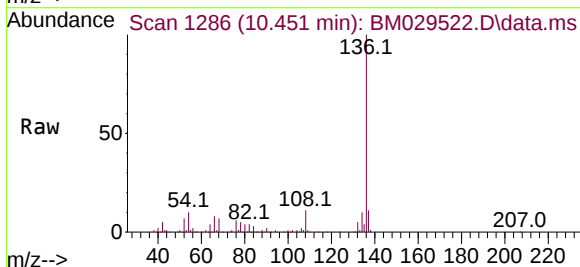
Instrument :
BNA_M
ClientSampleId :
FS-SB9(20-21)

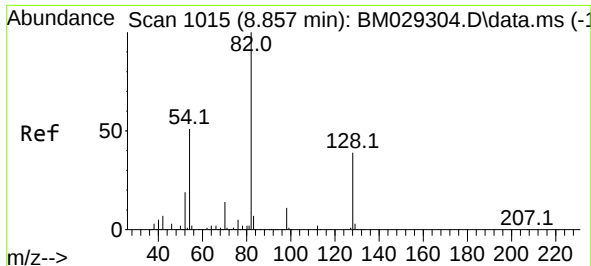
Tgt Ion:	99	Resp:	595865
Ion Ratio	Lower	Upper	
99	100		
42	27.6	18.5	27.7
71	41.3	31.8	47.6



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.451 min Scan# 1286
Delta R.T. -0.006 min
Lab File: BM029522.D
Acq: 16 Apr 2021 15:17

Tgt Ion:	136	Resp:	301417
Ion Ratio	Lower	Upper	
136	100		
137	10.9	9.3	13.9
54	10.4	6.9	10.3#
68	7.4	5.4	8.0

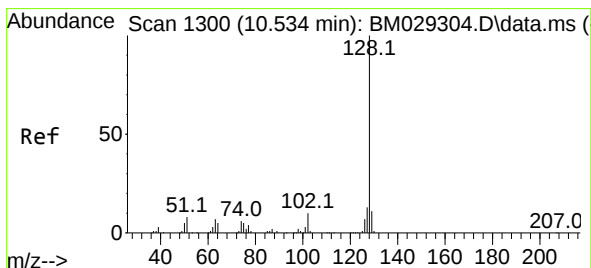
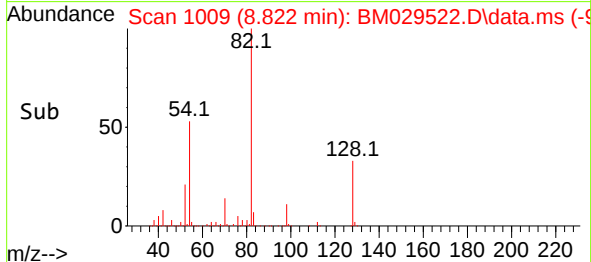
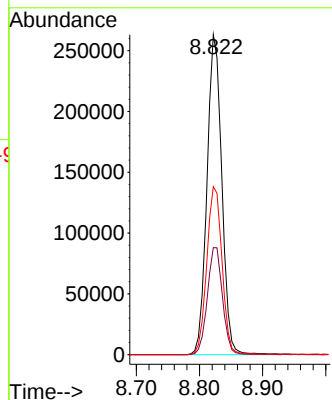
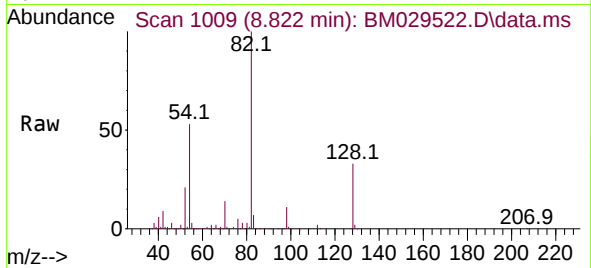




#23
Nitrobenzene-d5
Concen: 65.19 ng
RT: 8.822 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BM029522.D
Acq: 16 Apr 2021 15:17

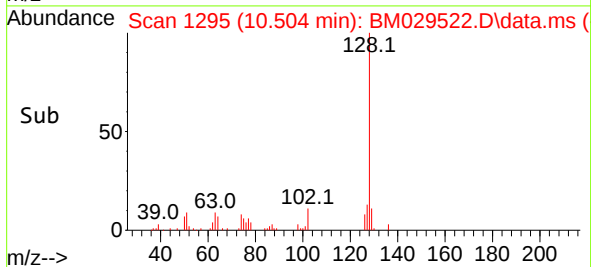
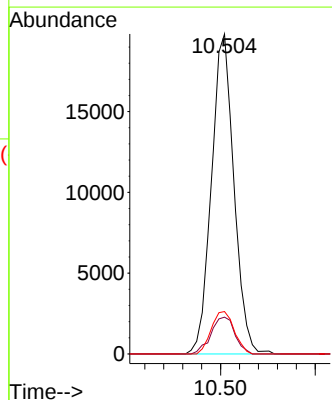
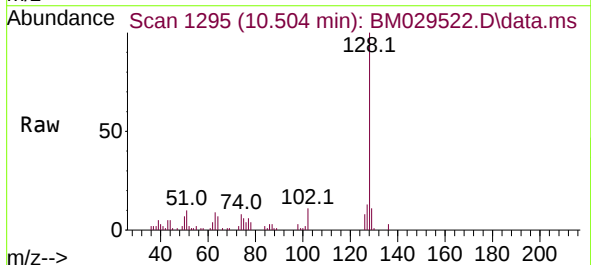
Instrument :
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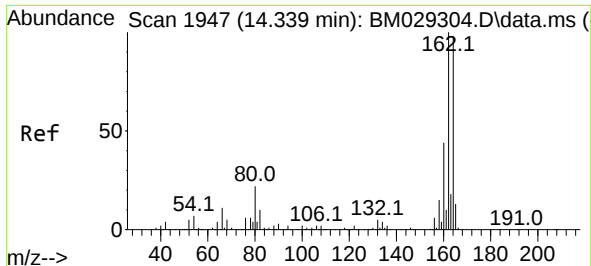
Tgt Ion: 82 Resp: 428576
Ion Ratio Lower Upper
82 100
128 33.4 28.6 42.8
54 52.5 40.7 61.1



#31
Naphthalene
Concen: 2.05 ng
RT: 10.504 min Scan# 1295
Delta R.T. -0.000 min
Lab File: BM029522.D
Acq: 16 Apr 2021 15:17

Tgt Ion: 128 Resp: 32634
Ion Ratio Lower Upper
128 100
129 11.5 9.0 13.6
127 13.3 10.7 16.1

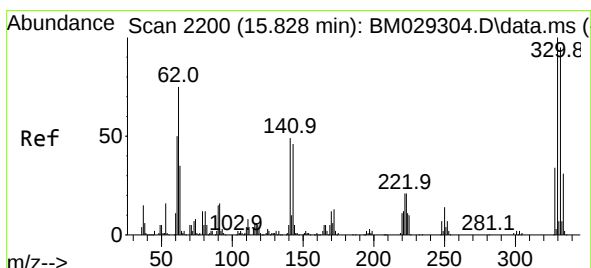
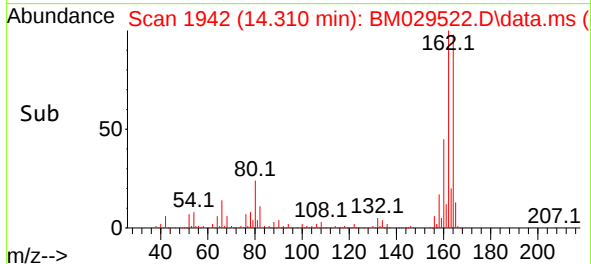
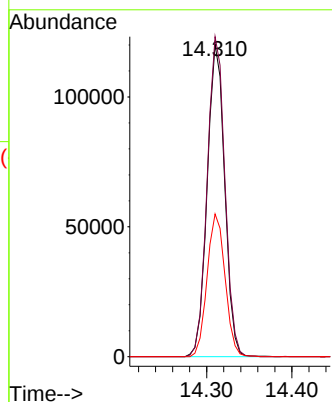
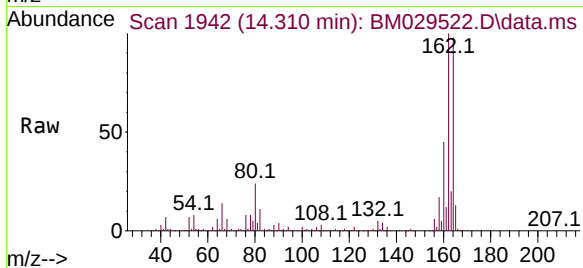




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.310 min Scan# 1942
Delta R.T. -0.006 min
Lab File: BM029522.D
Acq: 16 Apr 2021 15:17

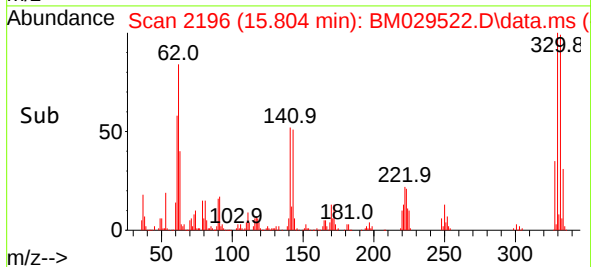
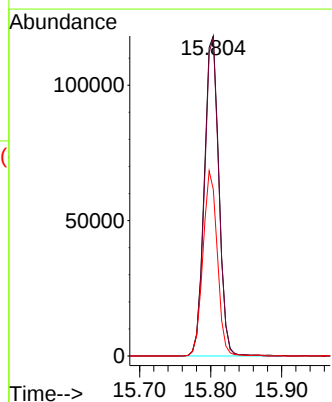
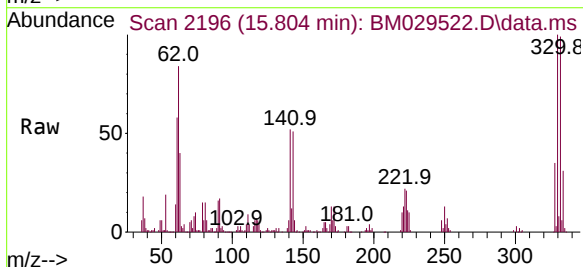
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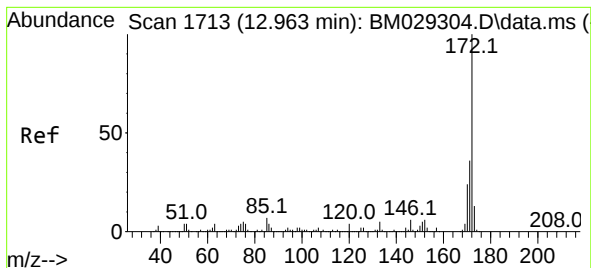
Tgt Ion:164 Resp: 171051
Ion Ratio Lower Upper
164 100
162 102.5 84.4 126.6
160 45.7 36.6 54.8



#42
2,4,6-Tribromophenol
Concen: 99.09 ng
RT: 15.804 min Scan# 2196
Delta R.T. 0.000 min
Lab File: BM029522.D
Acq: 16 Apr 2021 15:17

Tgt Ion:330 Resp: 169410
Ion Ratio Lower Upper
330 100
332 98.0 77.1 115.7
141 56.6 39.2 58.8

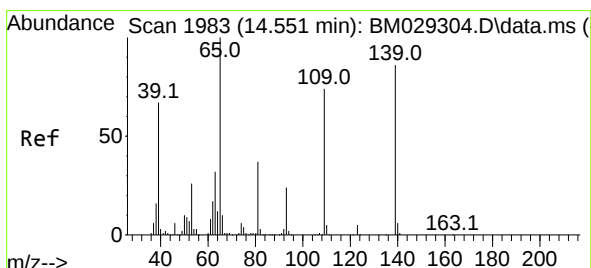
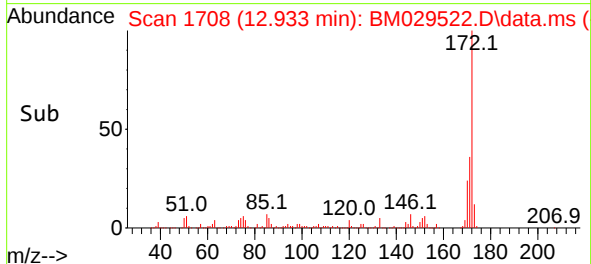
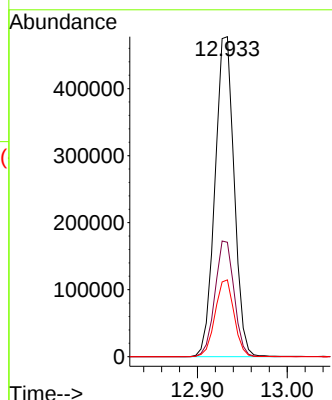
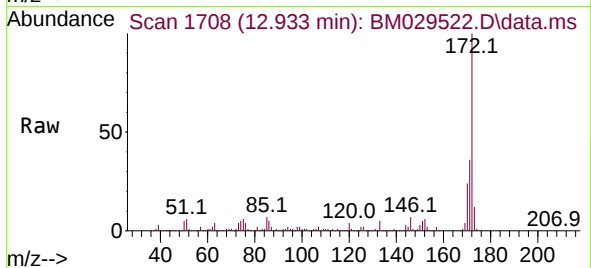




#45
2-Fluorobiphenyl
Concen: 57.69 ng
RT: 12.933 min Scan# 1708
Delta R.T. 0.000 min
Lab File: BM029522.D
Acq: 16 Apr 2021 15:17

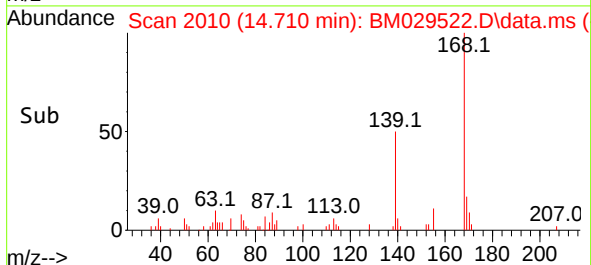
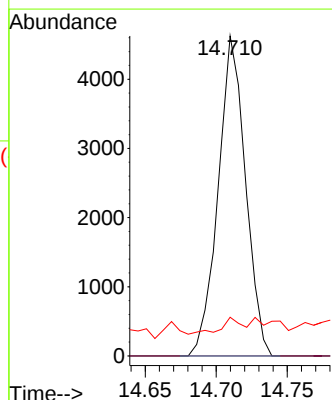
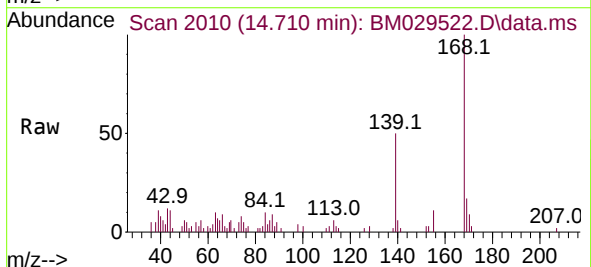
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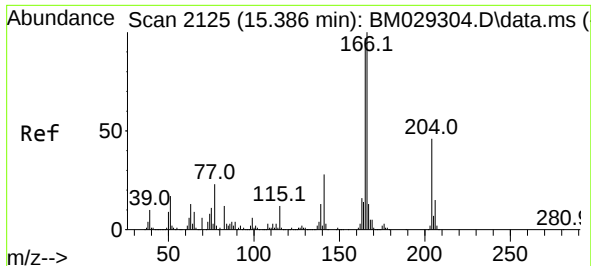
Tgt Ion:172 Resp: 708254
Ion Ratio Lower Upper
172 100
171 35.8 28.7 43.1
170 24.0 18.8 28.2



#56
4-Nitrophenol
Concen: 2.59 ng
RT: 14.710 min Scan# 2010
Delta R.T. 0.182 min
Lab File: BM029522.D
Acq: 16 Apr 2021 15:17

Tgt Ion:139 Resp: 6195
Ion Ratio Lower Upper
139 100
109 0.0 69.5 109.5#
65 12.1 98.1 138.1#

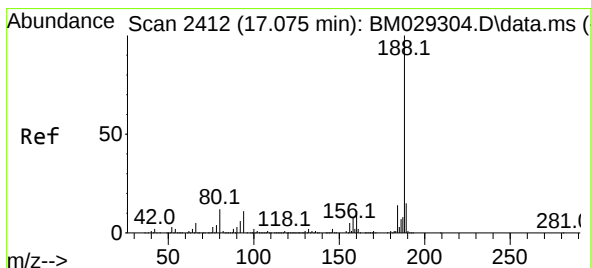
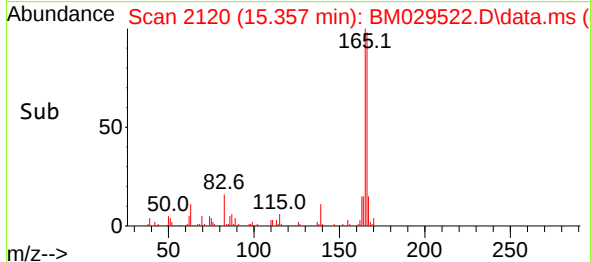
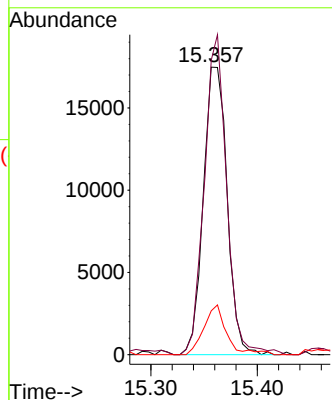
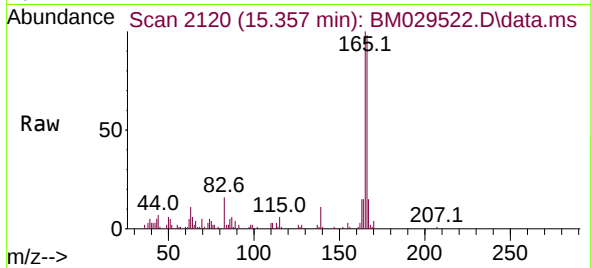




#58
Fluorene
Concen: 2.14 ng
RT: 15.357 min Scan# 2120
Delta R.T. -0.006 min
Lab File: BM029522.D
Acq: 16 Apr 2021 15:17

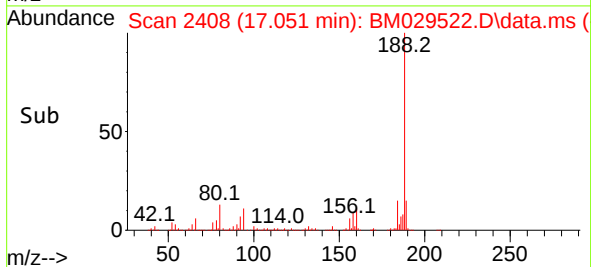
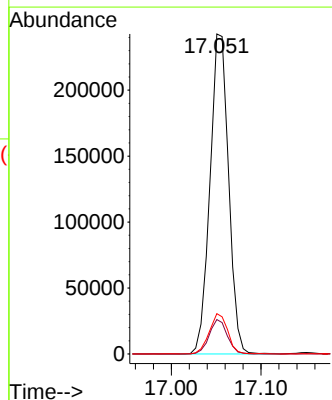
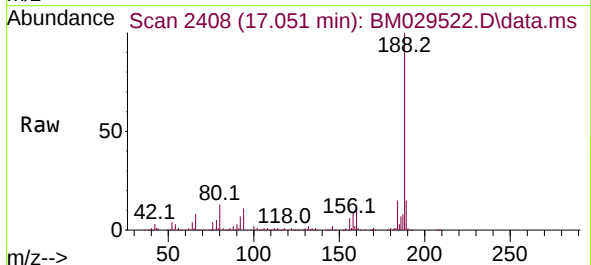
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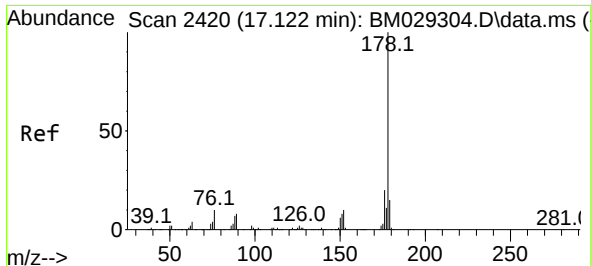
Tgt Ion:166 Resp: 27198
Ion Ratio Lower Upper
166 100
165 102.4 79.6 119.4
167 15.3 11.0 16.6



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.051 min Scan# 2408
Delta R.T. -0.006 min
Lab File: BM029522.D
Acq: 16 Apr 2021 15:17

Tgt Ion:188 Resp: 349651
Ion Ratio Lower Upper
188 100
94 10.7 8.1 12.1
80 12.6 9.2 13.8

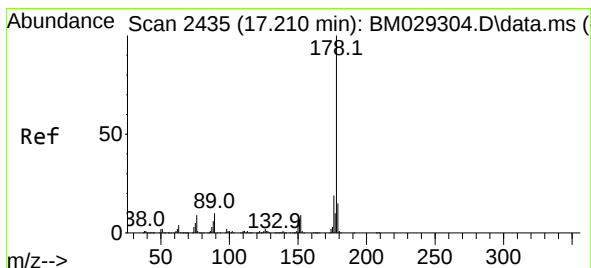
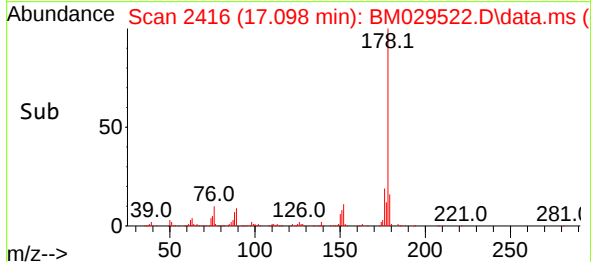
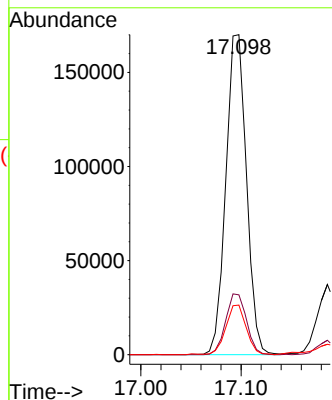
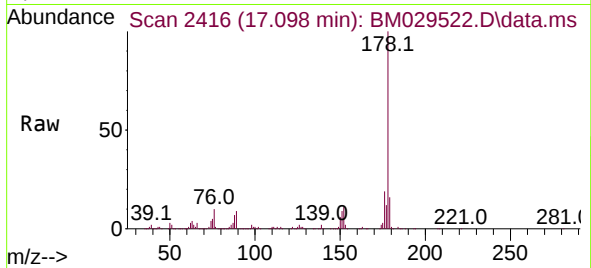




#71
Phenanthrene
Concen: 12.00 ng
RT: 17.098 min Scan# 2416
Delta R.T. 0.000 min
Lab File: BM029522.D
Acq: 16 Apr 2021 15:17

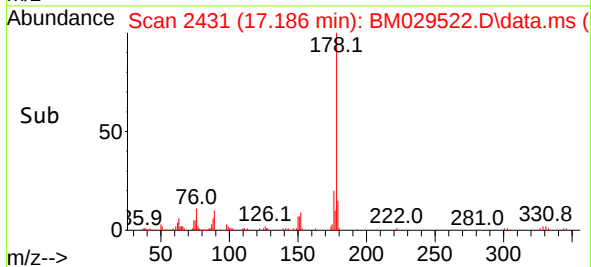
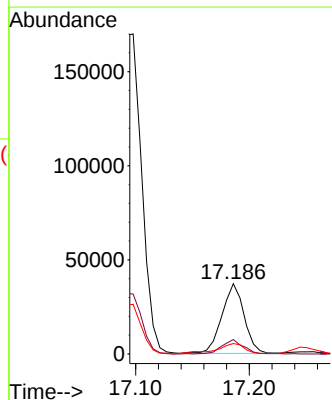
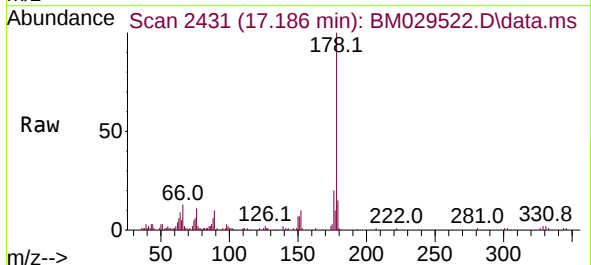
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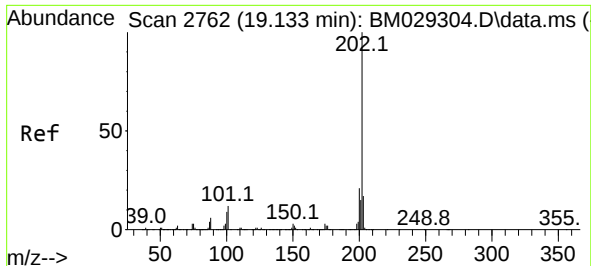
Tgt Ion:178 Resp: 242700
Ion Ratio Lower Upper
178 100
176 18.7 15.7 23.5
179 15.5 11.9 17.9



#72
Anthracene
Concen: 2.53 ng
RT: 17.186 min Scan# 2431
Delta R.T. -0.006 min
Lab File: BM029522.D
Acq: 16 Apr 2021 15:17

Tgt Ion:178 Resp: 50510
Ion Ratio Lower Upper
178 100
176 20.4 14.9 22.3
179 14.8 12.1 18.1

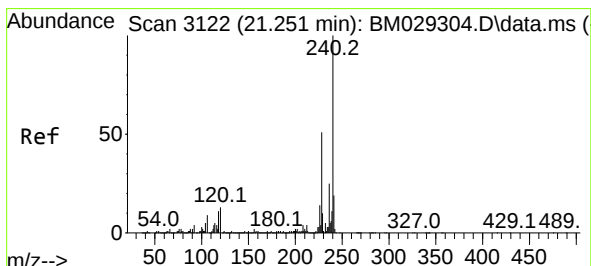
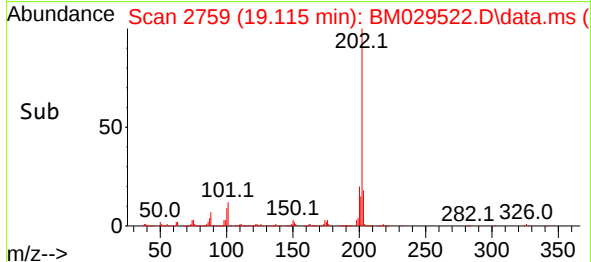
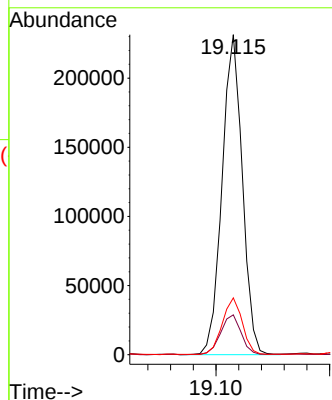
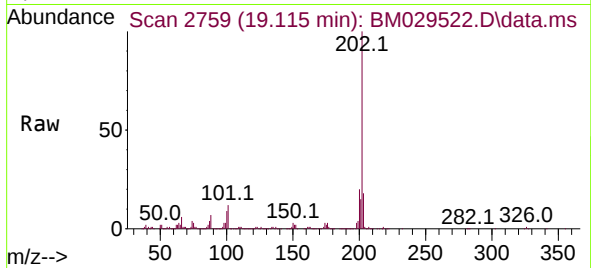




#75
Fluoranthene
Concen: 12.74 ng
RT: 19.115 min Scan# 2759
Delta R.T. 0.000 min
Lab File: BM029522.D
Acq: 16 Apr 2021 15:17

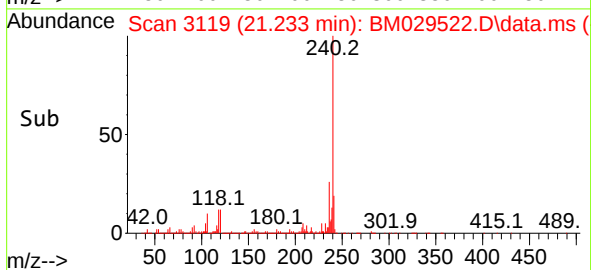
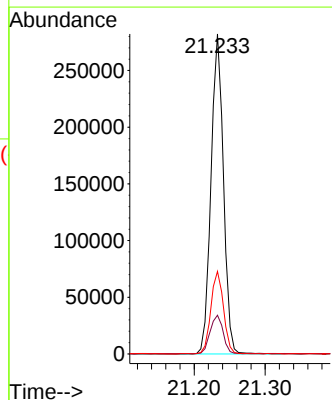
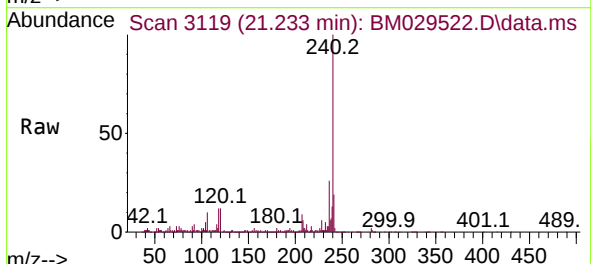
Instrument :
BNA_M
ClientSampleId :
FS-SB9(20-21)

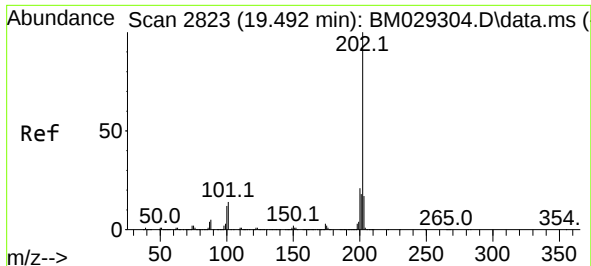
Tgt Ion:202 Resp: 286972
Ion Ratio Lower Upper
202 100
101 12.5 0.0 31.5
203 17.8 0.0 37.7



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.233 min Scan# 3119
Delta R.T. 0.000 min
Lab File: BM029522.D
Acq: 16 Apr 2021 15:17

Tgt Ion:240 Resp: 343667
Ion Ratio Lower Upper
240 100
120 12.1 9.0 13.6
236 25.8 20.3 30.5

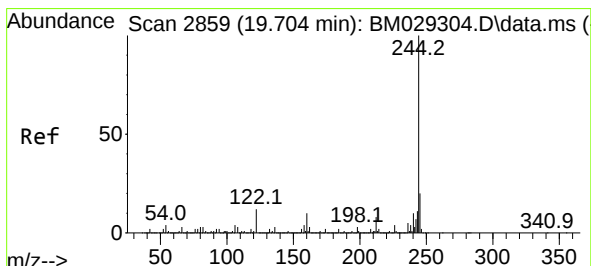
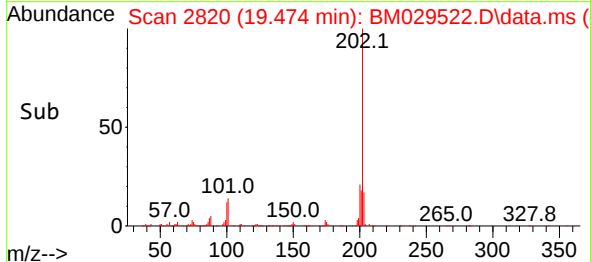
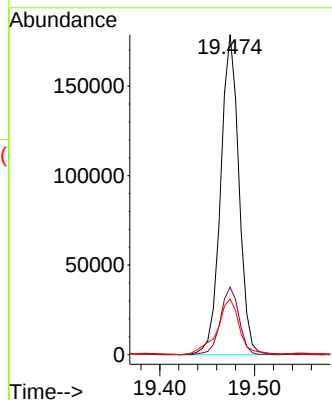
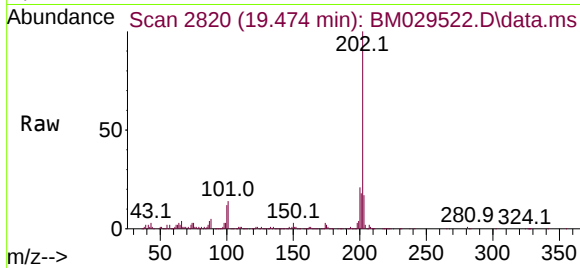




#78
Pyrene
Concen: 10.07 ng
RT: 19.474 min Scan# 2820
Delta R.T. 0.000 min
Lab File: BM029522.D
Acq: 16 Apr 2021 15:17

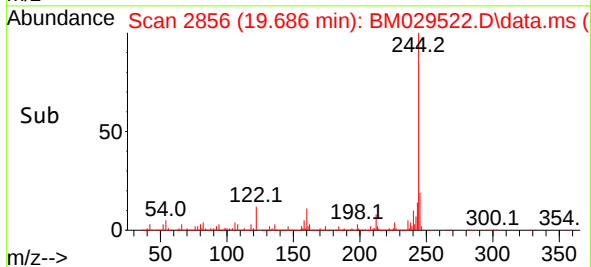
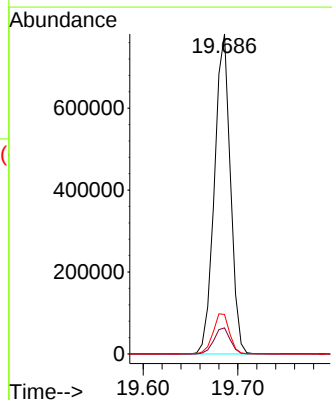
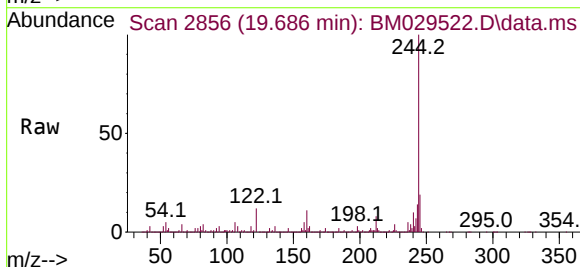
Instrument :
BNA_M
ClientSampleId :
FS-SB9(20-21)

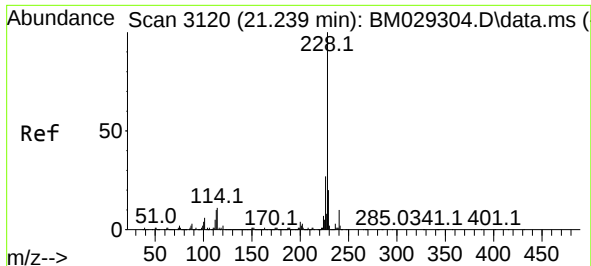
Tgt Ion:202	Resp:	240405
Ion Ratio	Lower	Upper
202	100	
200	21.1	17.0 25.6
203	17.4	14.1 21.1



#79
Terphenyl-d14
Concen: 50.49 ng
RT: 19.686 min Scan# 2856
Delta R.T. 0.000 min
Lab File: BM029522.D
Acq: 16 Apr 2021 15:17

Tgt Ion:244	Resp:	913572
Ion Ratio	Lower	Upper
244	100	
212	8.2	6.5 9.7
122	12.4	9.2 13.8

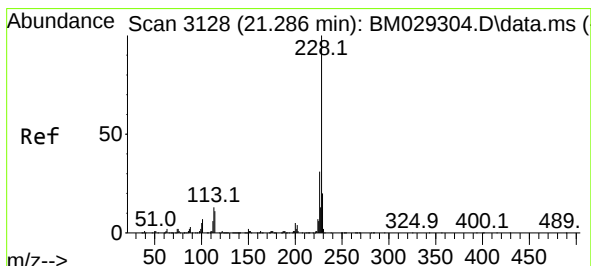
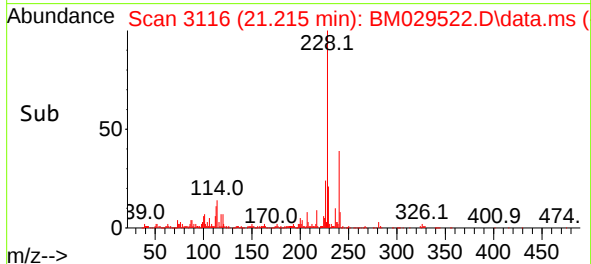
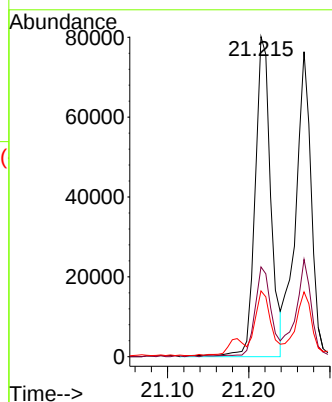
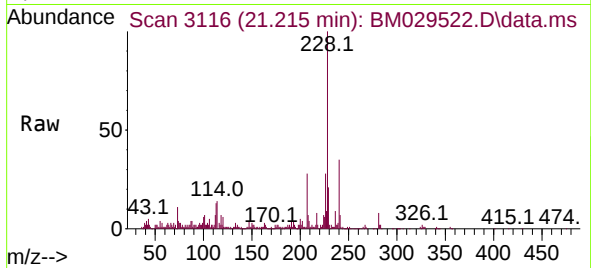




#81
Benzo(a)anthracene
Concen: 4.69 ng
RT: 21.215 min Scan# 3116
Delta R.T. -0.006 min
Lab File: BM029522.D
Acq: 16 Apr 2021 15:17

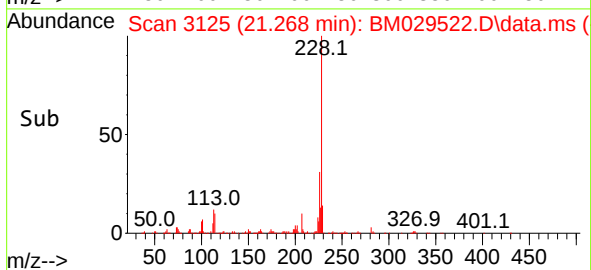
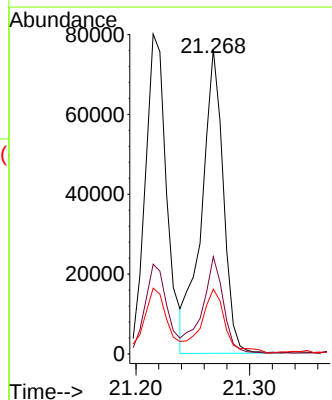
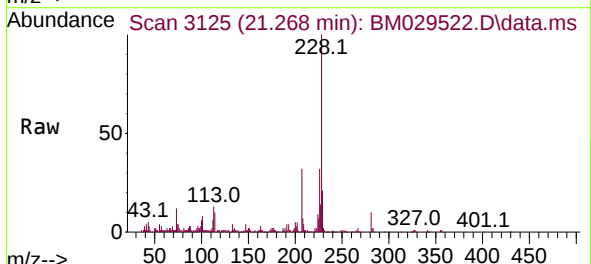
Instrument :
BNA_M
ClientSampleId :
FS-SB9(20-21)

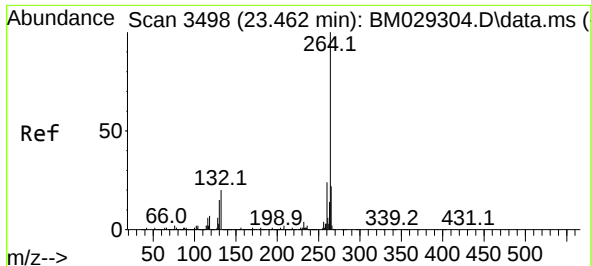
Tgt Ion:228 Resp: 107463
Ion Ratio Lower Upper
228 100
226 28.0 21.9 32.9
229 20.5 15.7 23.5



#83
Chrysene
Concen: 4.51 ng
RT: 21.268 min Scan# 3125
Delta R.T. -0.006 min
Lab File: BM029522.D
Acq: 16 Apr 2021 15:17

Tgt Ion:228 Resp: 101275
Ion Ratio Lower Upper
228 100
226 31.9 24.7 37.1
229 21.2 15.8 23.6

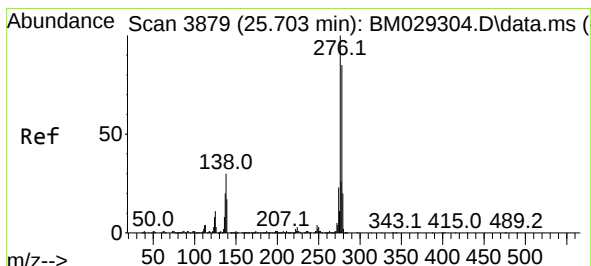
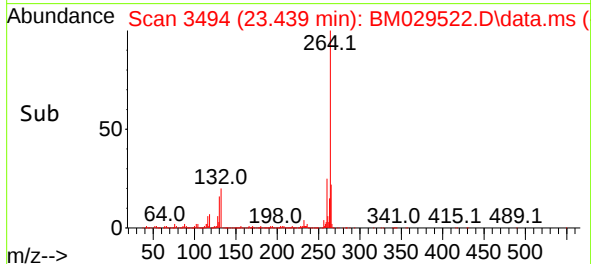
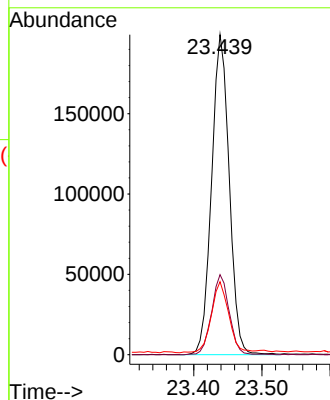
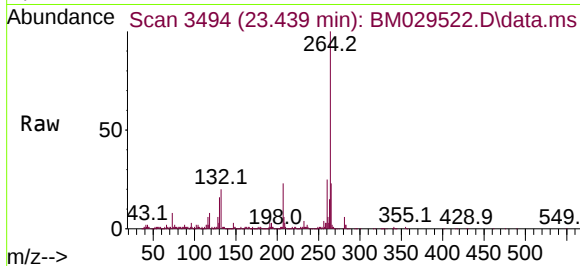




#86
Perylene-d12
Concen: 20.00 ng
RT: 23.439 min Scan# 3494
Delta R.T. 0.000 min
Lab File: BM029522.D
Acq: 16 Apr 2021 15:17

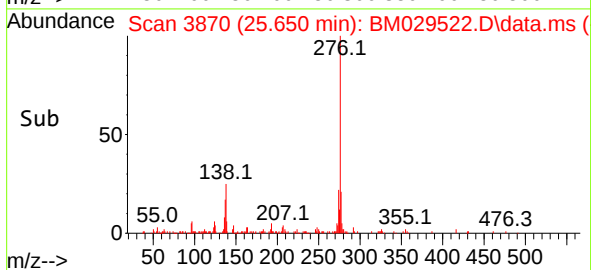
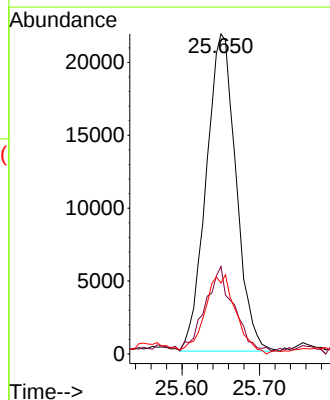
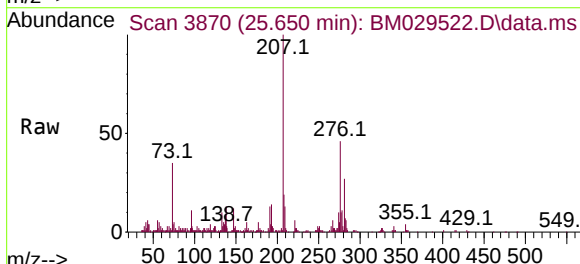
Instrument :
BNA_M
ClientSampleId :
FS-SB9(20-21)

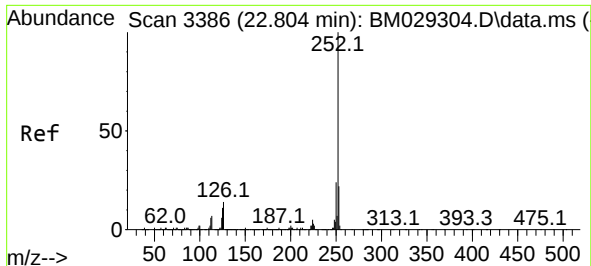
Tgt Ion:264 Resp: 358902
Ion Ratio Lower Upper
264 100
260 25.0 19.6 29.4
265 22.8 17.8 26.8



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.20 ng
RT: 25.650 min Scan# 3870
Delta R.T. -0.018 min
Lab File: BM029522.D
Acq: 16 Apr 2021 15:17

Tgt Ion:276 Resp: 58306
Ion Ratio Lower Upper
276 100
138 25.3 22.6 34.0
277 25.9 20.2 30.4

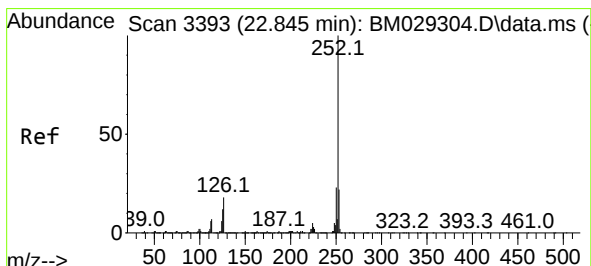
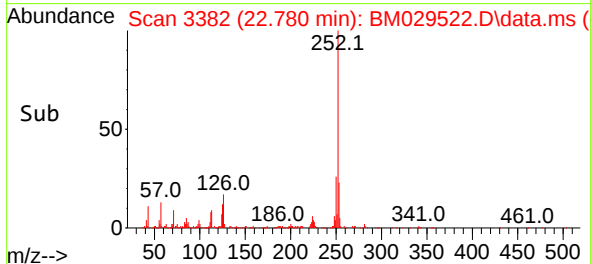
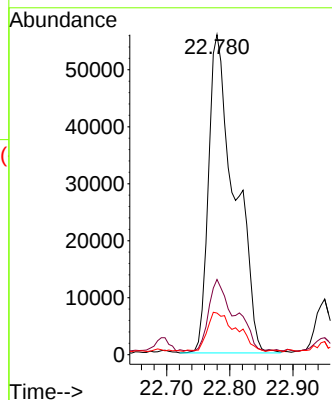
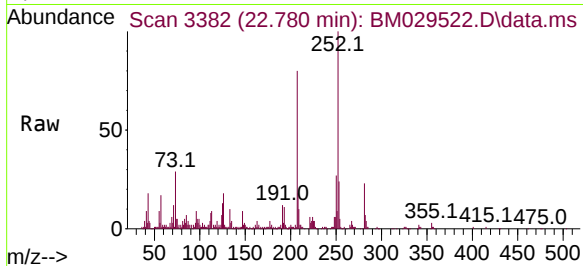




#88
Benzo(b)fluoranthene
Concen: 6.83 ng
RT: 22.780 min Scan# 3382
Delta R.T. 0.000 min
Lab File: BM029522.D
Acq: 16 Apr 2021 15:17

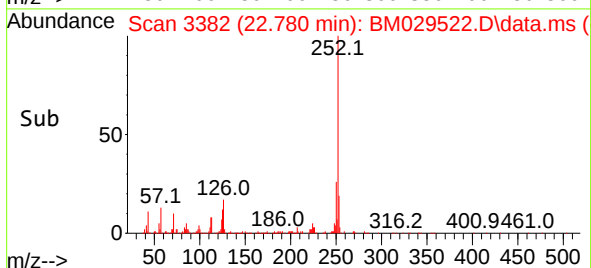
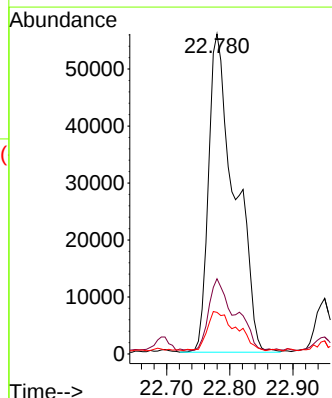
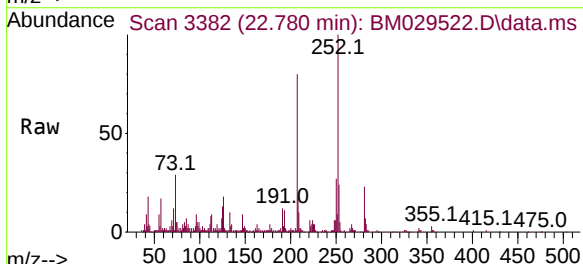
Instrument :
BNA_M
ClientSampleId :
FS-SB9(20-21)

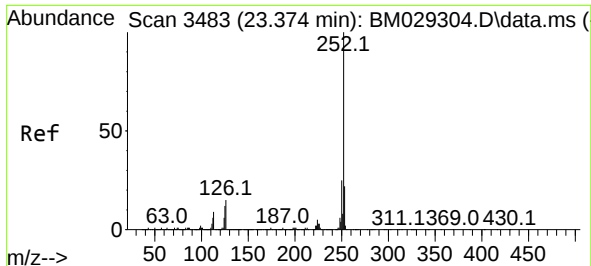
Tgt Ion:252 Resp: 161025
Ion Ratio Lower Upper
252 100
253 23.5 17.6 26.4
125 13.0 9.0 13.4



#89
Benzo(k)fluoranthene
Concen: 7.14 ng
RT: 22.780 min Scan# 3382
Delta R.T. -0.047 min
Lab File: BM029522.D
Acq: 16 Apr 2021 15:17

Tgt Ion:252 Resp: 161025
Ion Ratio Lower Upper
252 100
253 23.5 17.6 26.4
125 13.0 8.7 13.1

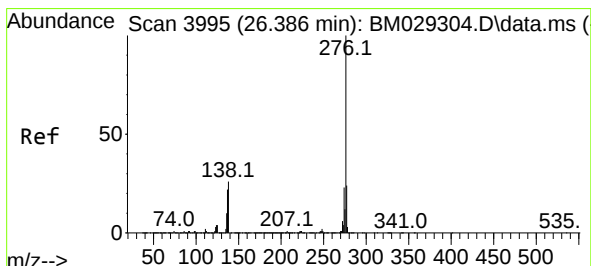
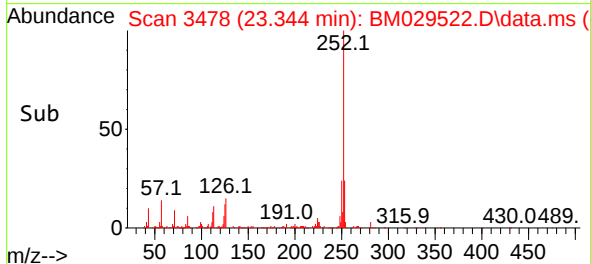
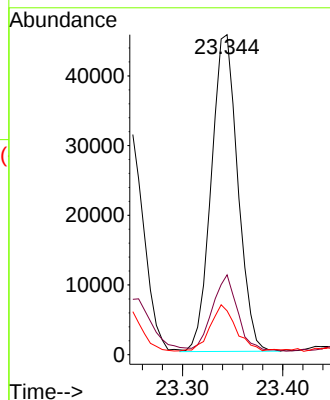
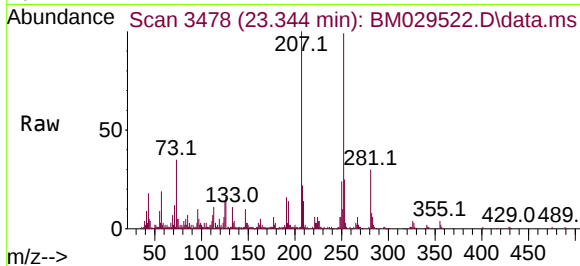




#90
Benzo(a)pyrene
Concen: 3.88 ng
RT: 23.344 min Scan# 3478
Delta R.T. 0.000 min
Lab File: BM029522.D
Acq: 16 Apr 2021 15:17

Instrument :
BNA_M
ClientSampleId :
FS-SB9(20-21)

Tgt Ion:252 Resp: 83621
Ion Ratio Lower Upper
252 100
253 25.0 17.0 25.4
125 13.7 9.5 14.3



#92
Benzo(g,h,i)perylene
Concen: 2.64 ng
RT: 26.327 min Scan# 3985
Delta R.T. -0.018 min
Lab File: BM029522.D
Acq: 16 Apr 2021 15:17

Tgt Ion:276 Resp: 57799
Ion Ratio Lower Upper
276 100
277 24.9 18.7 28.1
138 24.7 19.0 28.4

