

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012821\
 Data File : BM028594.D
 Acq On : 28 Jan 2021 19:09
 Operator : CG/JU
 Sample : M1251-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 400026

Quant Time: Jan 28 23:36:59 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM012021.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 27 13:20:04 2021
 Response via : Initial Calibration

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

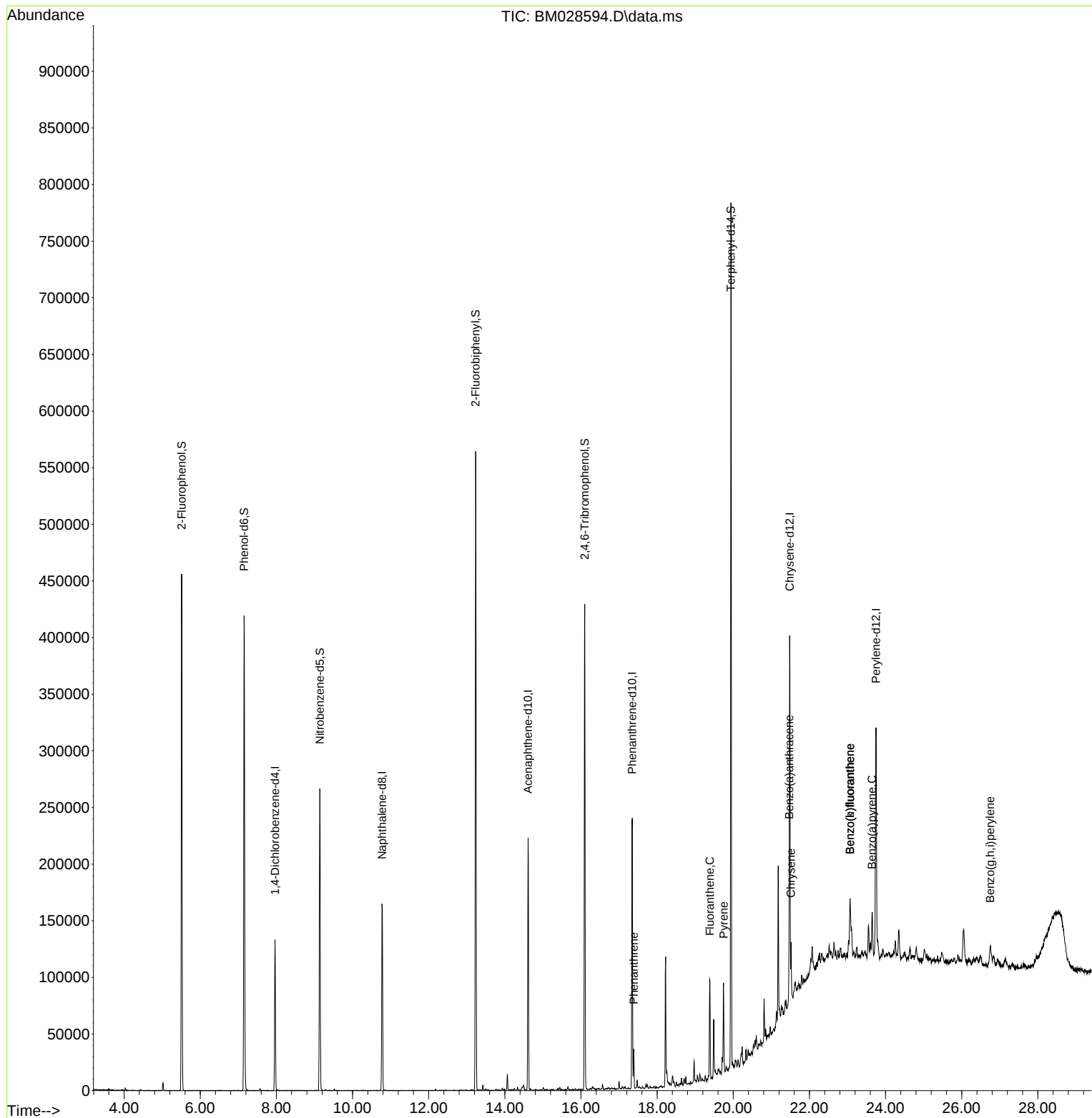
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.963	152	35106	20.00	ng	0.00
21) Naphthalene-d8	10.775	136	135831	20.00	ng	#-0.01
39) Acenaphthene-d10	14.610	164	72725	20.00	ng	-0.01
64) Phenanthrene-d10	17.345	188	137838	20.00	ng	# 0.00
76) Chrysene-d12	21.480	240	127845	20.00	ng	# 0.00
86) Perylene-d12	23.750	264	134365	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	182946	82.32	ng	-0.02
7) Phenol-d6	7.151	99	229065	75.70	ng	-0.04
23) Nitrobenzene-d5	9.139	82	142295	49.69	ng	-0.01
42) 2,4,6-Tribromophenol	16.098	330	74743	77.57	ng	-0.01
45) 2-Fluorobiphenyl	13.233	172	278886	48.11	ng	0.00
79) Terphenyl-d14	19.939	244	309090	43.66	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.386	178	20562	2.43	ng	99
75) Fluoranthene	19.386	202	49479	5.20	ng	97
78) Pyrene	19.745	202	45521	4.97	ng	99
81) Benzo(a)anthracene	21.468	228	22706	2.57	ng	95
83) Chrysene	21.515	228	26946	3.16	ng	96
88) Benzo(b)fluoranthene	23.068	252	36703	4.02	ng	# 93
89) Benzo(k)fluoranthene	23.068	252	36703	4.12	ng	# 93
90) Benzo(a)pyrene	23.644	252	24195	2.86	ng	# 92
92) Benzo(g,h,i)perylene	26.750	276	18626	2.29	ng	# 90

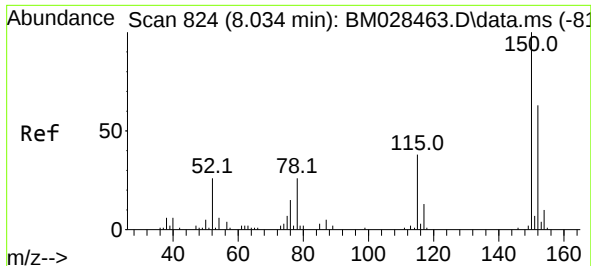
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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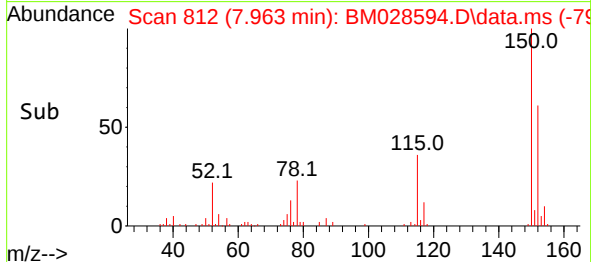
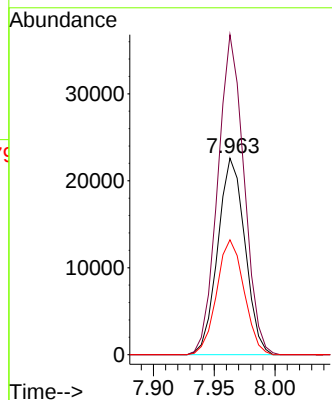
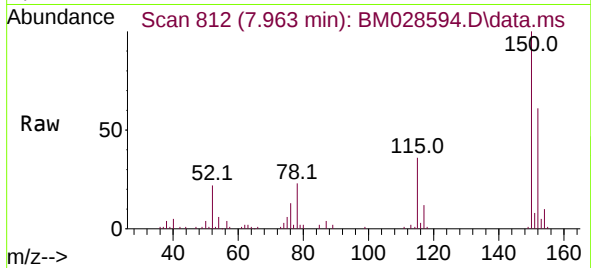




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.963 min Scan# 812
Delta R.T. -0.006 min
Lab File: BM028594.D
Acq: 28 Jan 2021 19:09

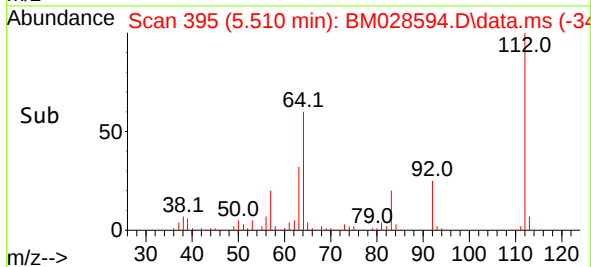
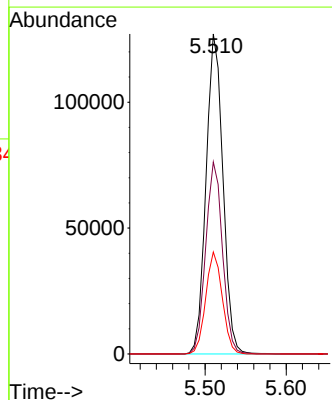
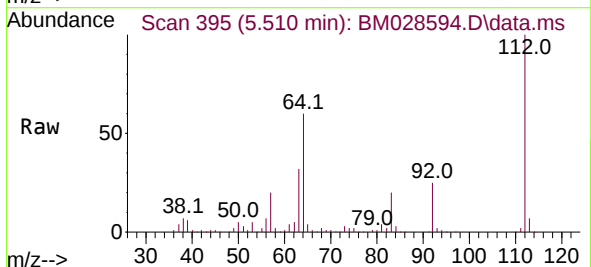
Instrument :
BNA_M
ClientSampled :
400026

Tgt Ion:152 Resp: 35106
Ion Ratio Lower Upper
152 100
150 162.8 120.6 181.0
115 58.4 47.2 70.8



#5
2-Fluorophenol
Concen: 82.32 ng
RT: 5.510 min Scan# 395
Delta R.T. -0.024 min
Lab File: BM028594.D
Acq: 28 Jan 2021 19:09

Tgt Ion:112 Resp: 182946
Ion Ratio Lower Upper
112 100
64 60.0 50.6 76.0
63 31.8 31.0 46.6

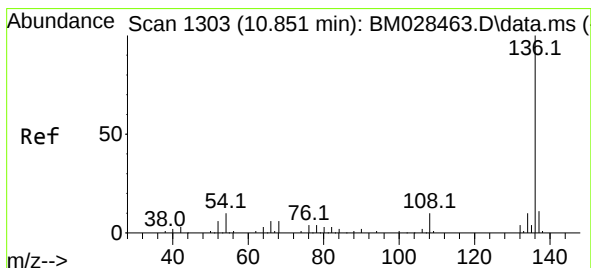
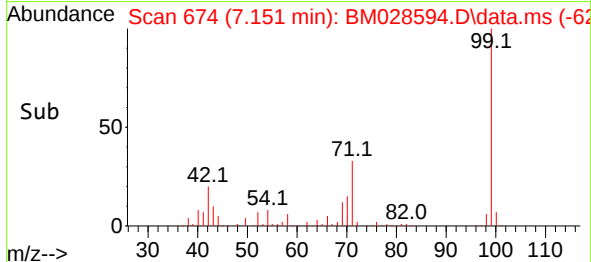
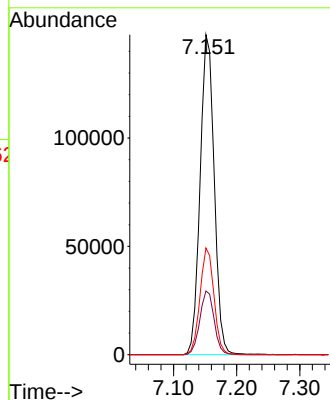
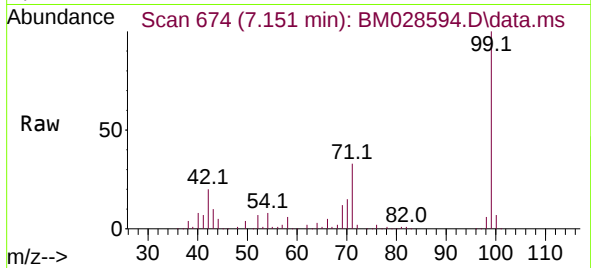




#7
Phenol-d6
Concen: 75.70 ng
RT: 7.151 min Scan# 674
Delta R.T. -0.035 min
Lab File: BM028594.D
Acq: 28 Jan 2021 19:09

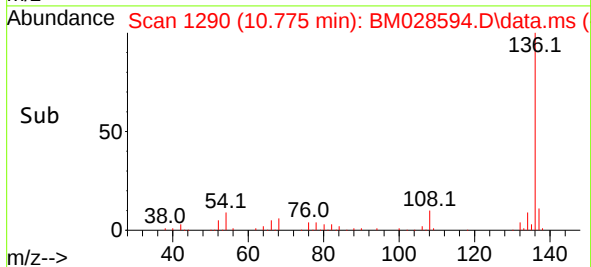
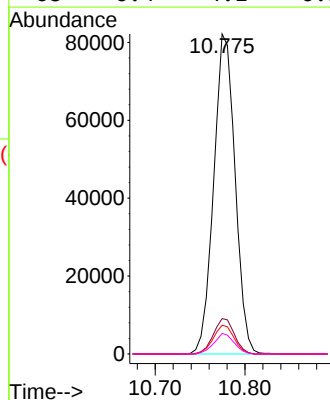
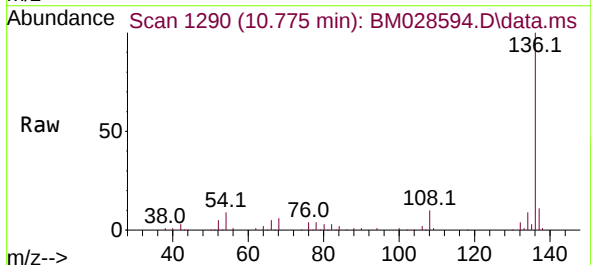
Instrument :
BNA_M
ClientSampleId :
400026

Tgt Ion: 99 Resp: 229065
Ion Ratio Lower Upper
99 100
42 19.9 13.5 20.3
71 33.4 39.4 59.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.775 min Scan# 1290
Delta R.T. -0.012 min
Lab File: BM028594.D
Acq: 28 Jan 2021 19:09

Tgt Ion: 136 Resp: 135831
Ion Ratio Lower Upper
136 100
137 11.0 8.6 12.8
54 9.0 4.6 7.0#
68 6.4 4.1 6.1#

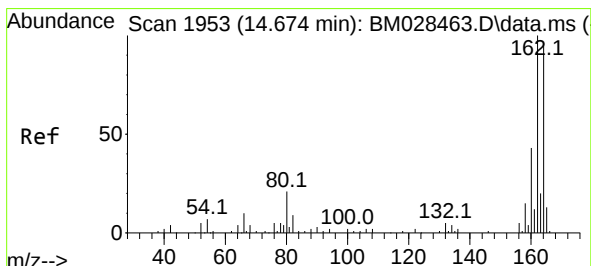
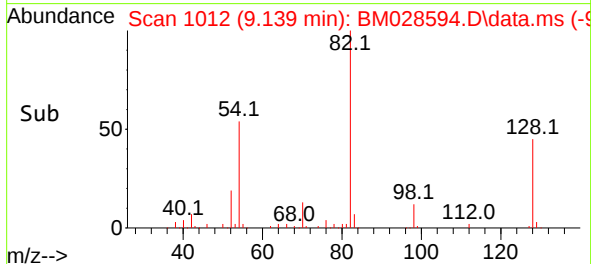
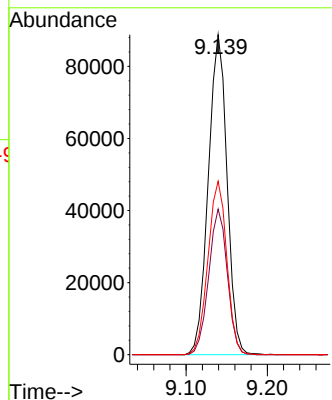
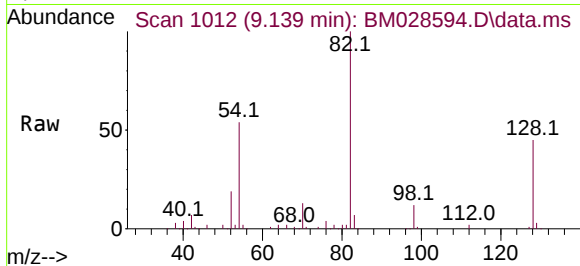




#23
Nitrobenzene-d5
Concen: 49.69 ng
RT: 9.139 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BM028594.D
Acq: 28 Jan 2021 19:09

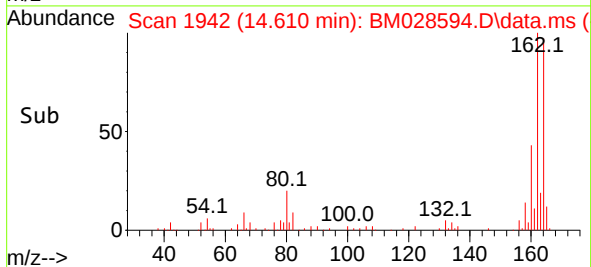
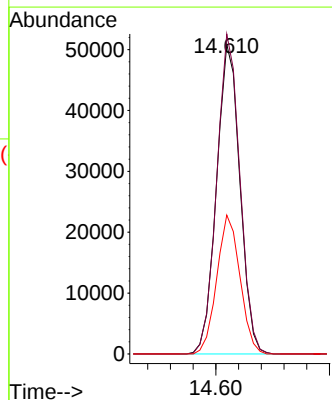
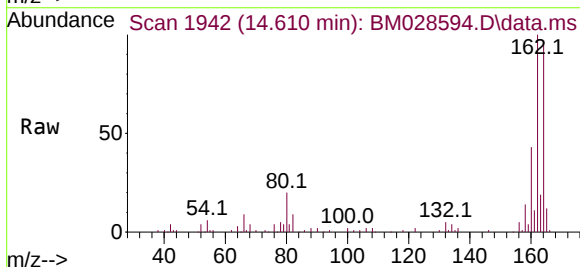
Instrument :
BNA_M
ClientSampled :
400026

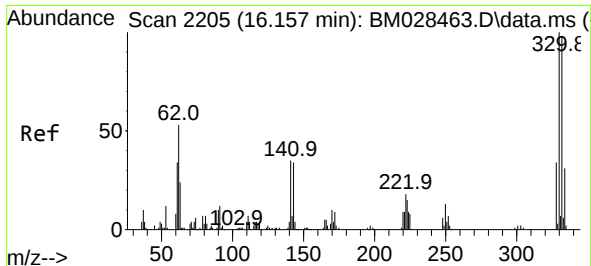
Tgt Ion: 82 Resp: 142295
Ion Ratio Lower Upper
82 100
128 45.5 27.4 41.0#
54 54.2 31.4 47.0#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.610 min Scan# 1942
Delta R.T. -0.012 min
Lab File: BM028594.D
Acq: 28 Jan 2021 19:09

Tgt Ion: 164 Resp: 72725
Ion Ratio Lower Upper
164 100
162 103.3 80.4 120.6
160 44.8 35.9 53.9

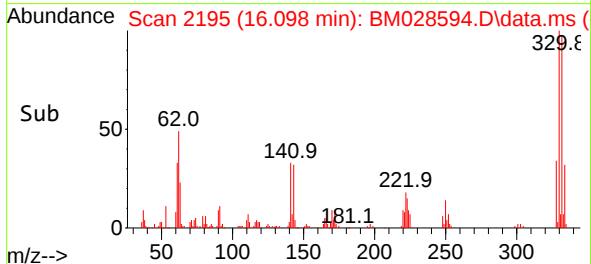
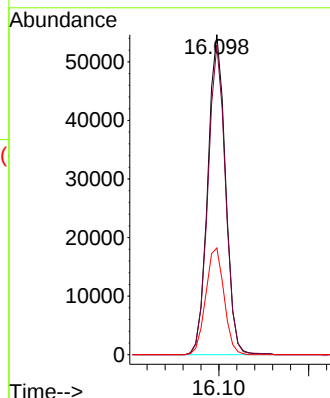
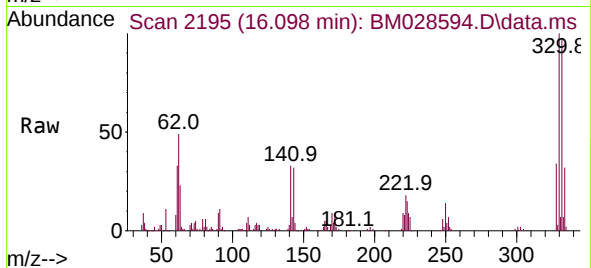




#42
2,4,6-Tribromophenol
Concen: 77.57 ng
RT: 16.098 min Scan# 2195
Delta R.T. -0.012 min
Lab File: BM028594.D
Acq: 28 Jan 2021 19:09

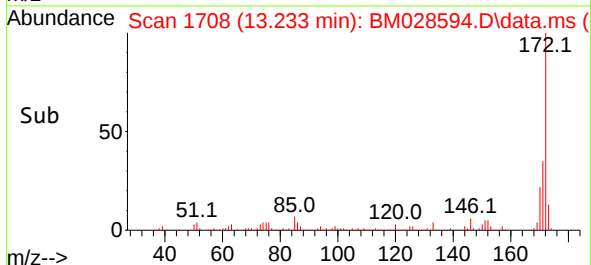
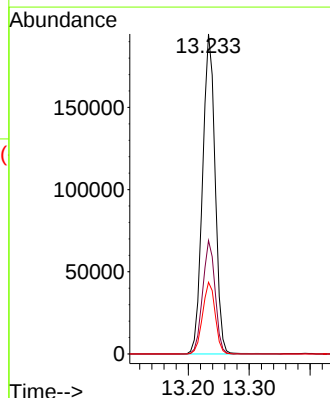
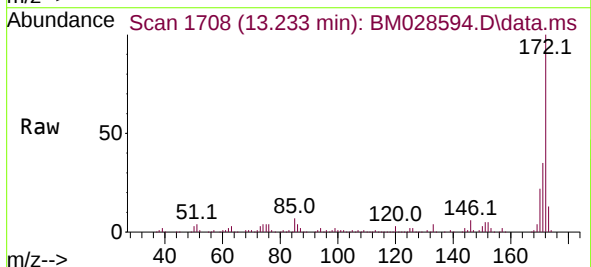
Instrument :
BNA_M
ClientSampleId :
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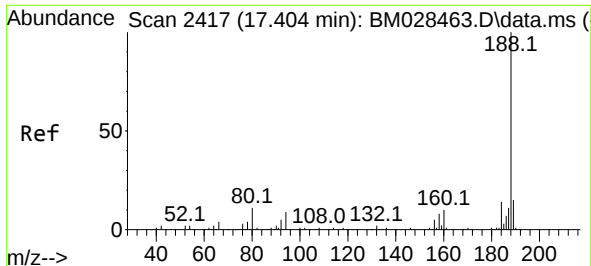
Tgt Ion:330 Resp: 74743
Ion Ratio Lower Upper
330 100
332 95.9 77.8 116.8
141 34.4 28.4 42.6



#45
2-Fluorobiphenyl
Concen: 48.11 ng
RT: 13.233 min Scan# 1708
Delta R.T. -0.006 min
Lab File: BM028594.D
Acq: 28 Jan 2021 19:09

Tgt Ion:172 Resp: 278886
Ion Ratio Lower Upper
172 100
171 35.4 27.8 41.8
170 22.4 18.6 27.8

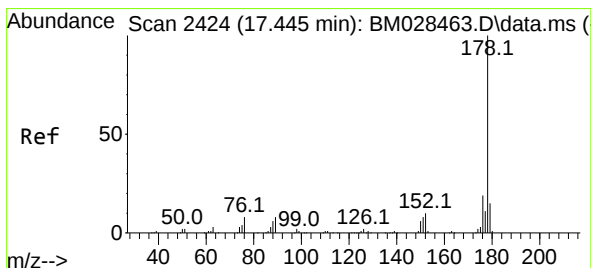
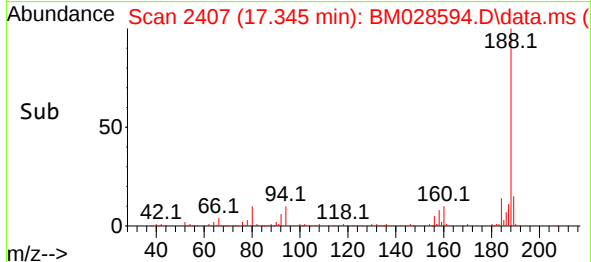
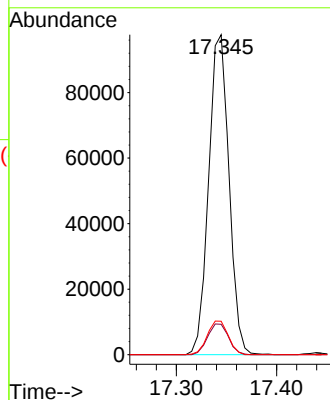
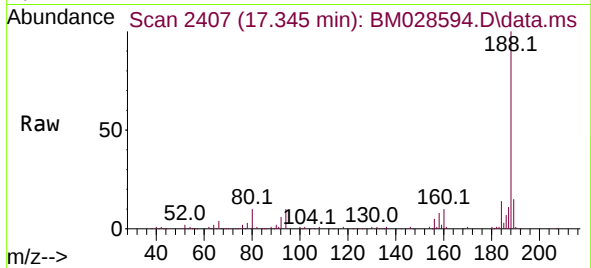




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.345 min Scan# 2407
Delta R.T. -0.006 min
Lab File: BM028594.D
Acq: 28 Jan 2021 19:09

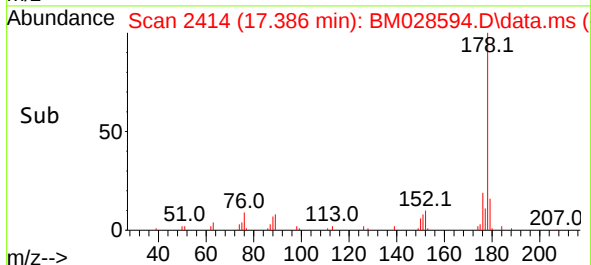
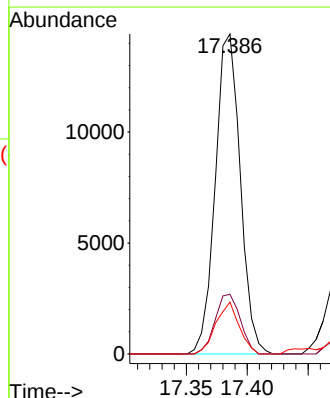
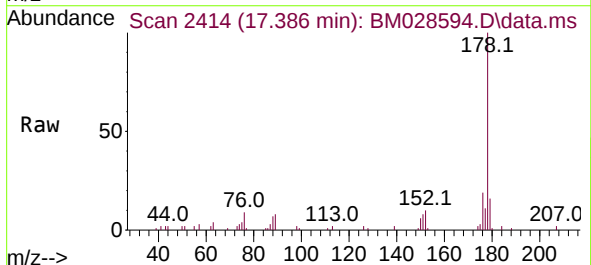
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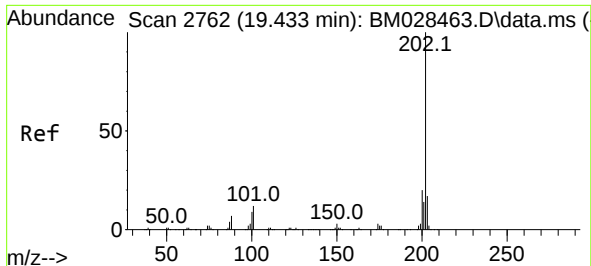
Tgt Ion:188 Resp: 137838
Ion Ratio Lower Upper
188 100
94 9.5 6.2 9.4#
80 10.4 7.5 11.3



#71
Phenanthrene
Concen: 2.43 ng
RT: 17.386 min Scan# 2414
Delta R.T. -0.006 min
Lab File: BM028594.D
Acq: 28 Jan 2021 19:09

Tgt Ion:178 Resp: 20562
Ion Ratio Lower Upper
178 100
176 18.6 15.0 22.6
179 16.2 12.2 18.4

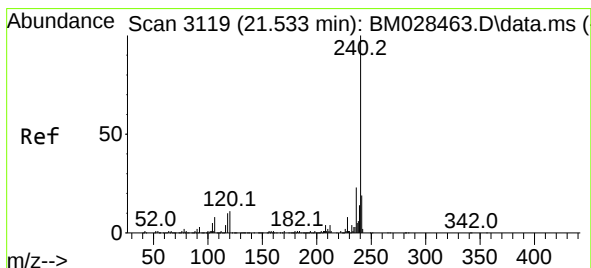
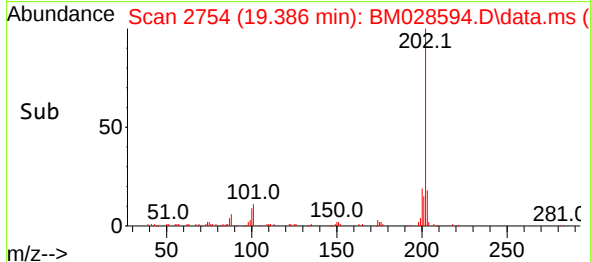
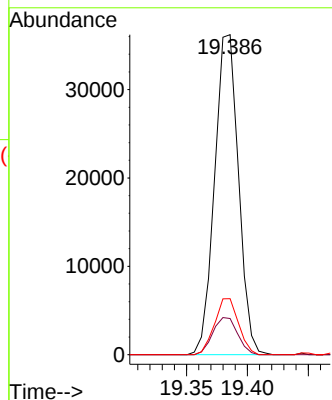
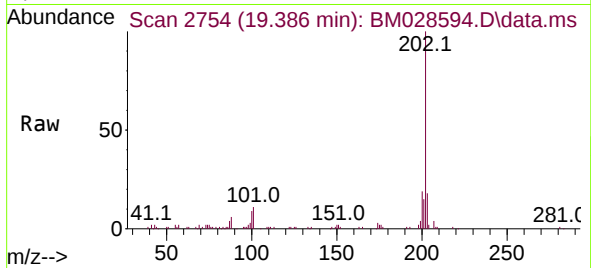




#75
Fluoranthene
Concen: 5.20 ng
RT: 19.386 min Scan# 2754
Delta R.T. -0.006 min
Lab File: BM028594.D
Acq: 28 Jan 2021 19:09

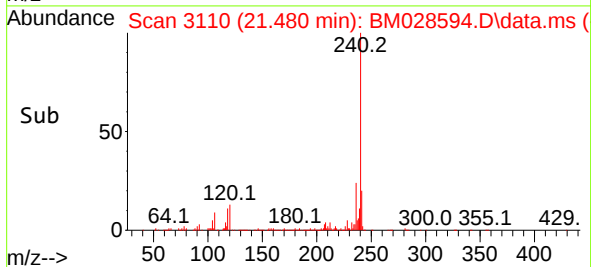
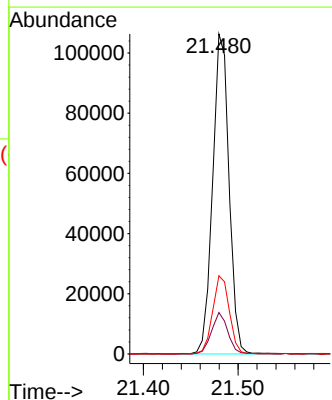
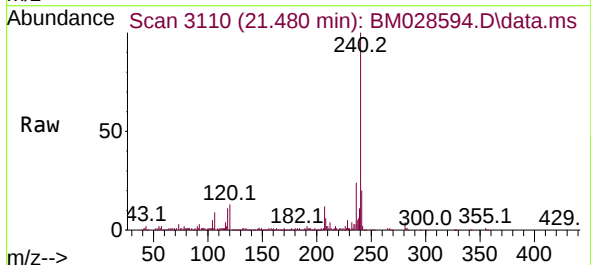
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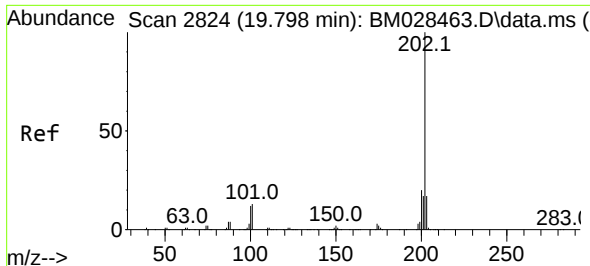
Tgt Ion:	202	Resp:	49479
Ion Ratio	Lower	Upper	
202	100		
101	11.3	0.0	28.5
203	17.5	0.0	37.3



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.480 min Scan# 3110
Delta R.T. -0.006 min
Lab File: BM028594.D
Acq: 28 Jan 2021 19:09

Tgt Ion:	240	Resp:	127845
Ion Ratio	Lower	Upper	
240	100		
120	12.9	6.4	9.6#
236	24.5	20.1	30.1

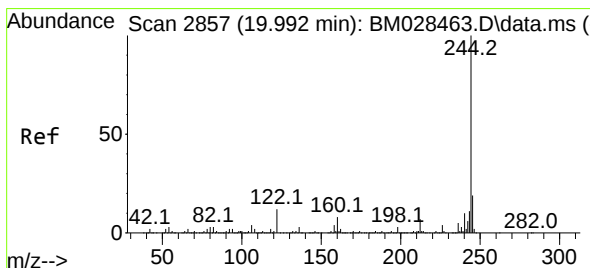
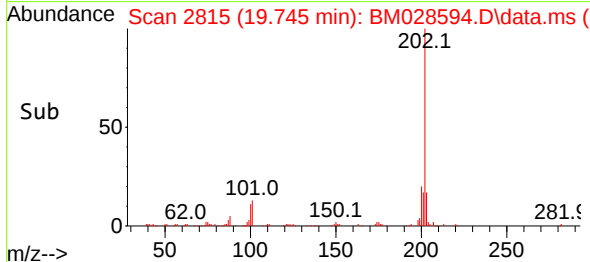
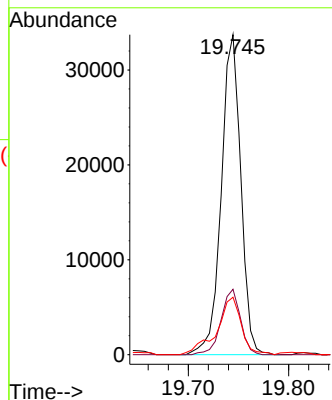
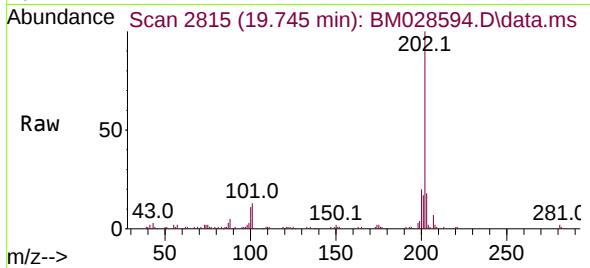




#78
Pyrene
Concen: 4.97 ng
RT: 19.745 min Scan# 2815
Delta R.T. -0.006 min
Lab File: BM028594.D
Acq: 28 Jan 2021 19:09

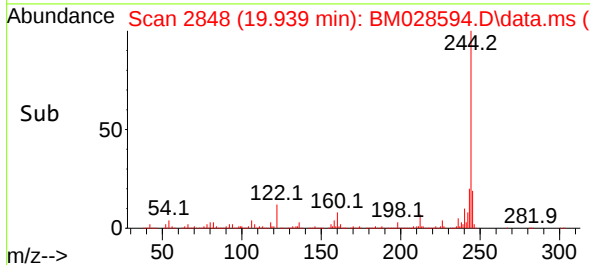
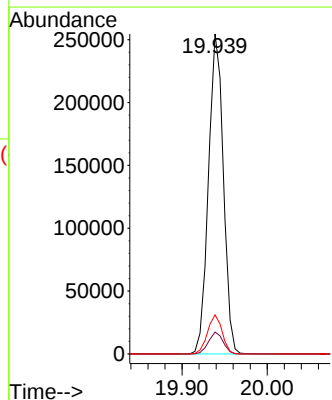
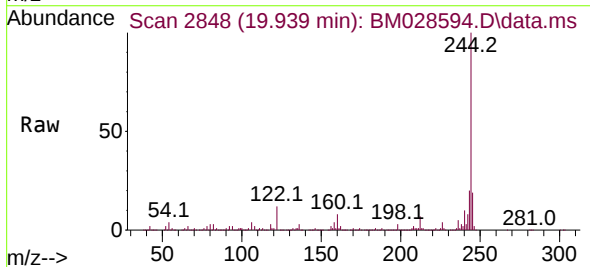
Instrument :
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ClientSampled :
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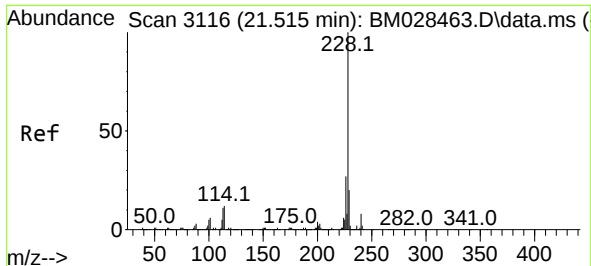
Tgt Ion:	202	Resp:	45521
Ion Ratio	Lower	Upper	
202	100		
200	20.4	16.6	24.8
203	17.9	13.8	20.6



#79
Terphenyl-d14
Concen: 43.66 ng
RT: 19.939 min Scan# 2848
Delta R.T. -0.006 min
Lab File: BM028594.D
Acq: 28 Jan 2021 19:09

Tgt Ion:	244	Resp:	309090
Ion Ratio	Lower	Upper	
244	100		
212	6.9	5.8	8.8
122	12.2	6.5	9.7#

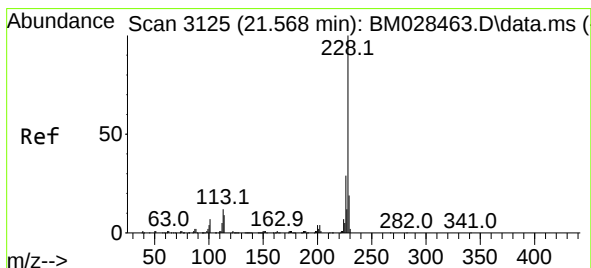
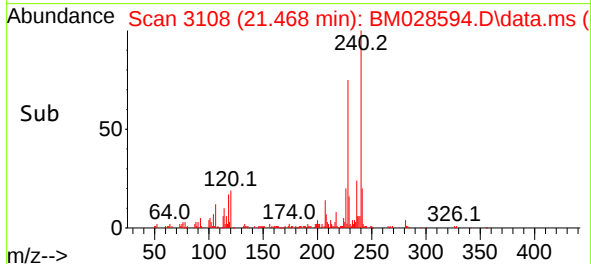
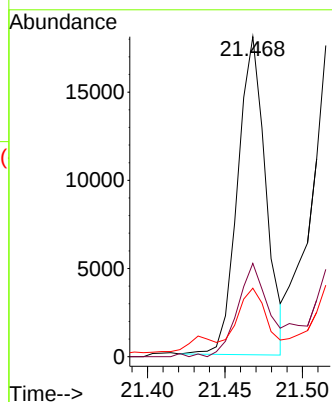
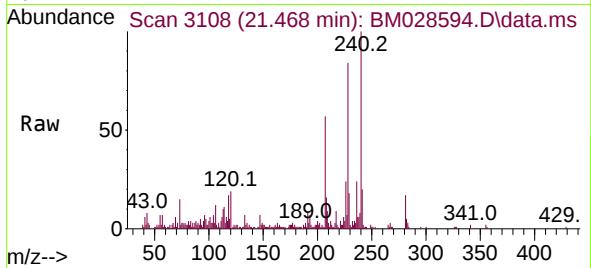




#81
Benzo(a)anthracene
Concen: 2.57 ng
RT: 21.468 min Scan# 3108
Delta R.T. -0.006 min
Lab File: BM028594.D
Acq: 28 Jan 2021 19:09

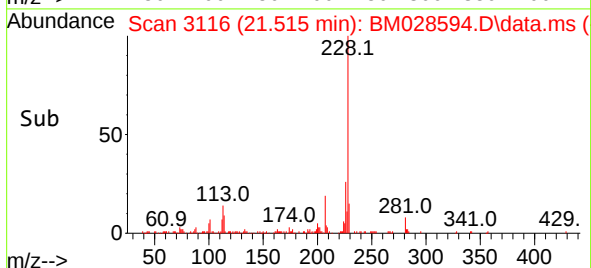
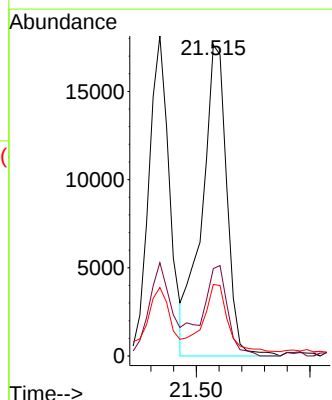
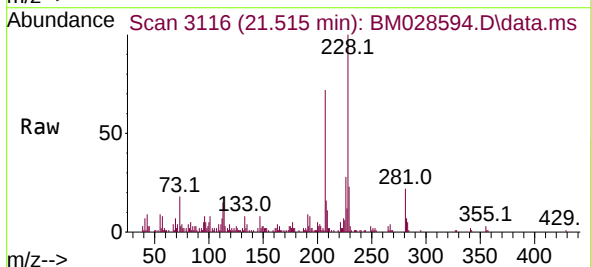
Instrument :
BNA_M
ClientSampled :
400026

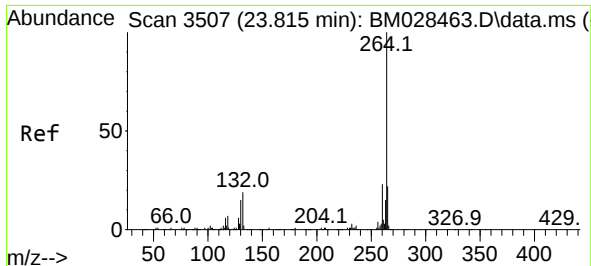
Tgt Ion:228 Resp: 22706
Ion Ratio Lower Upper
228 100
226 29.1 21.1 31.7
229 21.4 15.7 23.5



#83
Chrysene
Concen: 3.16 ng
RT: 21.515 min Scan# 3116
Delta R.T. -0.012 min
Lab File: BM028594.D
Acq: 28 Jan 2021 19:09

Tgt Ion:228 Resp: 26946
Ion Ratio Lower Upper
228 100
226 28.1 23.4 35.0
229 23.0 15.7 23.5

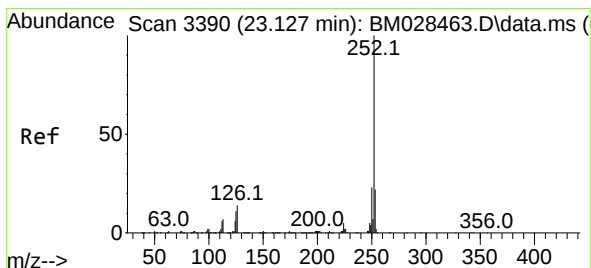
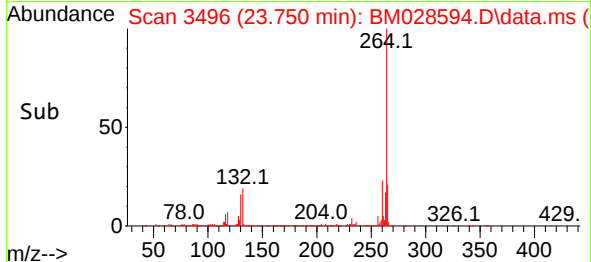
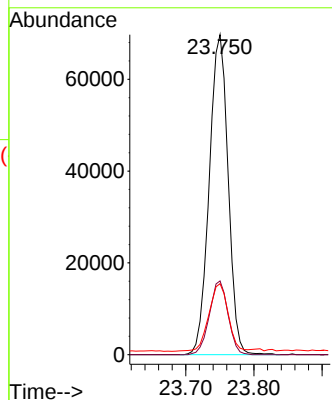
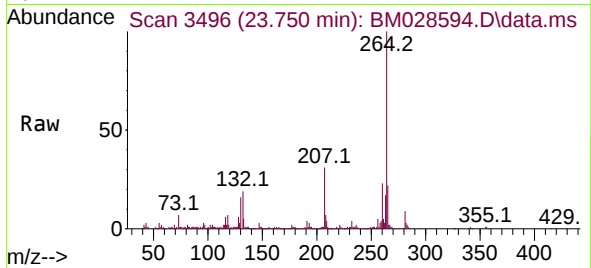




#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 23.750 min Scan# 3496
 Delta R.T. -0.000 min
 Lab File: BM028594.D
 Acq: 28 Jan 2021 19:09

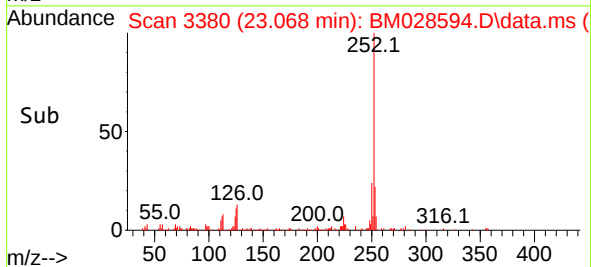
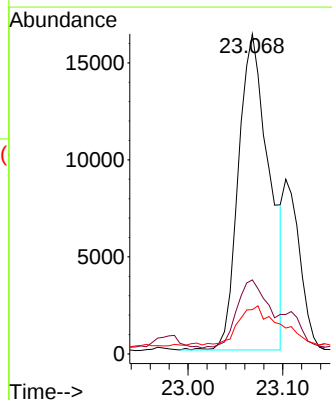
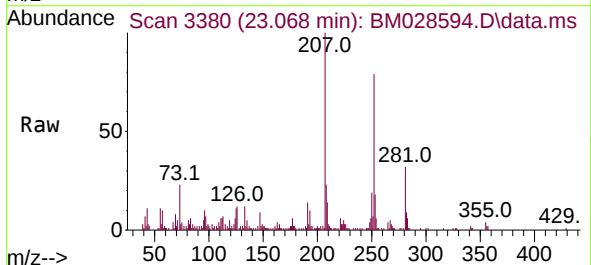
Instrument :
 BNA_M
 ClientSampled :
 400026

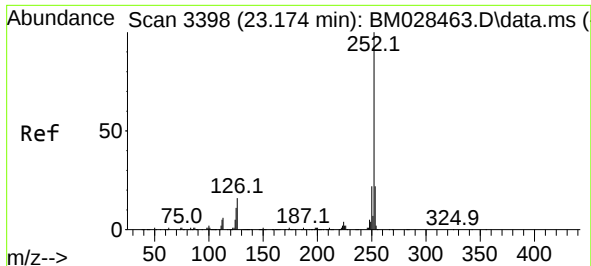
Tgt Ion:264 Resp: 134365
 Ion Ratio Lower Upper
 264 100
 260 23.0 19.0 28.4
 265 22.2 17.7 26.5



#88
 Benzo(b)fluoranthene
 Concen: 4.02 ng
 RT: 23.068 min Scan# 3380
 Delta R.T. -0.006 min
 Lab File: BM028594.D
 Acq: 28 Jan 2021 19:09

Tgt Ion:252 Resp: 36703
 Ion Ratio Lower Upper
 252 100
 253 23.2 17.4 26.0
 125 13.9 5.7 8.5#

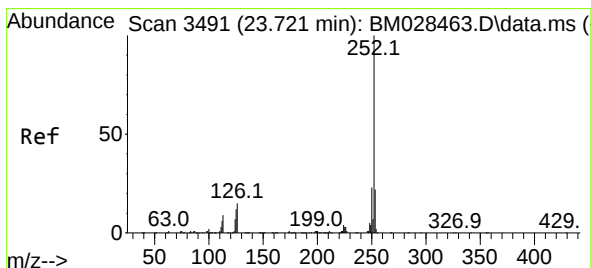
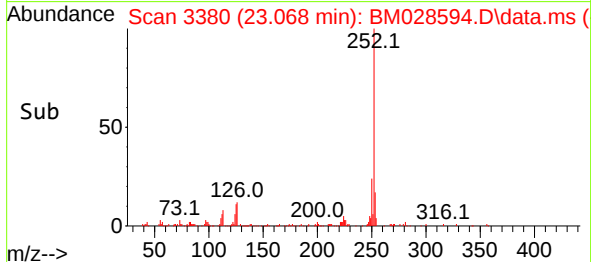
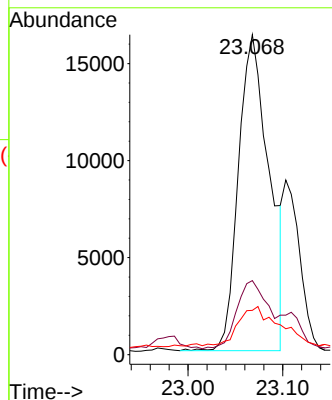
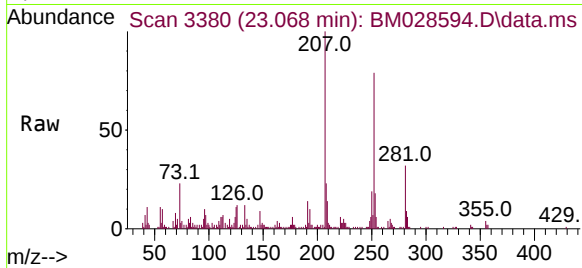




#89
Benzo(k)fluoranthene
Concen: 4.12 ng
RT: 23.068 min Scan# 3380
Delta R.T. -0.047 min
Lab File: BM028594.D
Acq: 28 Jan 2021 19:09

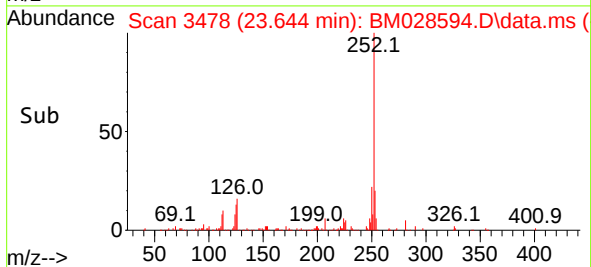
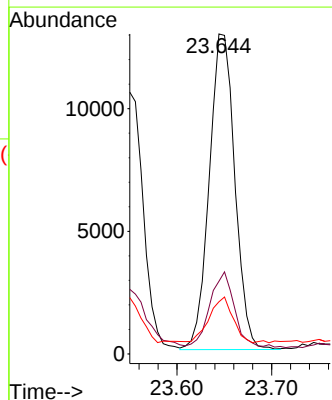
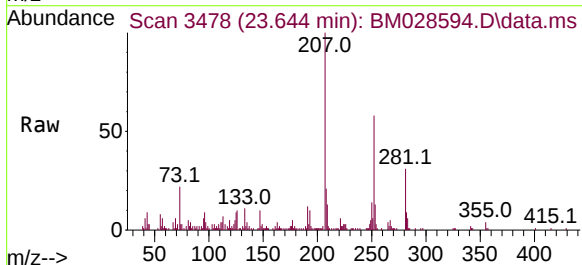
Instrument :
BNA_M
ClientSampleId :
400026

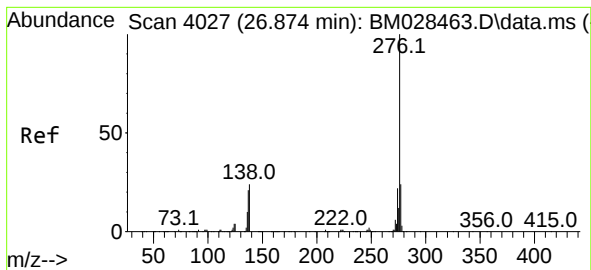
Tgt Ion:252 Resp: 36703
Ion Ratio Lower Upper
252 100
253 23.2 17.4 26.0
125 13.9 5.6 8.4#



#90
Benzo(a)pyrene
Concen: 2.86 ng
RT: 23.644 min Scan# 3478
Delta R.T. -0.012 min
Lab File: BM028594.D
Acq: 28 Jan 2021 19:09

Tgt Ion:252 Resp: 24195
Ion Ratio Lower Upper
252 100
253 22.7 17.4 26.2
125 16.3 6.6 9.8#





#92
 Benzo(g,h,i)perylene
 Concen: 2.29 ng
 RT: 26.750 min Scan# 4006
 Delta R.T. -0.024 min
 Lab File: BM028594.D
 Acq: 28 Jan 2021 19:09

Instrument :
 BNA_M
 ClientSampleId :
 400026

Tgt Ion:276 Resp: 18626
 Ion Ratio Lower Upper
 276 100
 277 22.6 18.6 28.0
 138 25.4 12.2 18.2#

