

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012721\
 Data File : BM028579.D
 Acq On : 27 Jan 2021 20:58
 Operator : CG/JU
 Sample : M1237-01 10X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SU-01-012621

Quant Time: Jan 27 23:35:09 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)

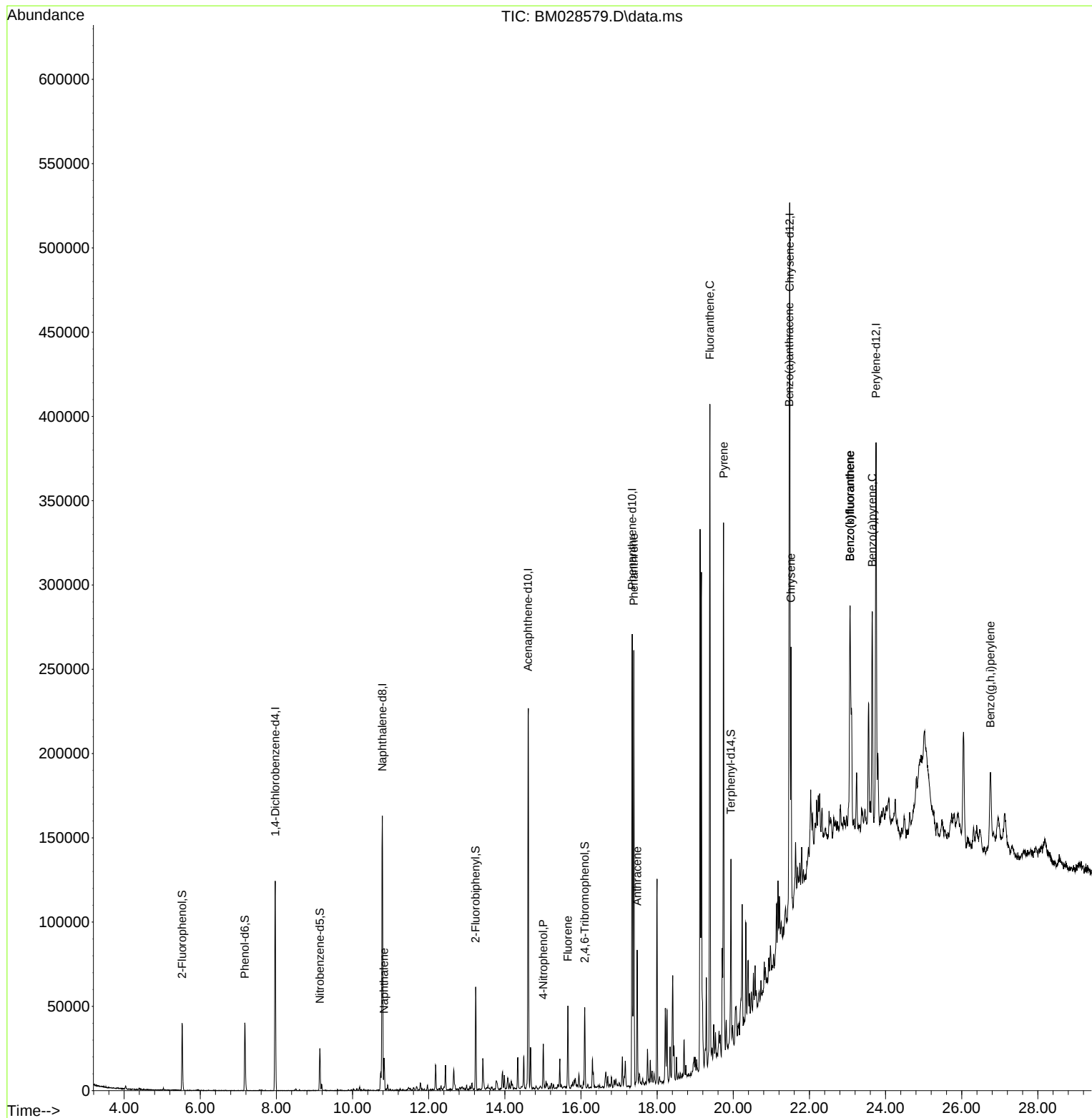
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.969	152	33393	20.00	ng	0.00
21) Naphthalene-d8	10.781	136	132755	20.00	ng	# 0.00
39) Acenaphthene-d10	14.610	164	74740	20.00	ng	-0.01
64) Phenanthrene-d10	17.345	188	148062	20.00	ng	# 0.00
76) Chrysene-d12	21.480	240	147725	20.00	ng	# 0.00
86) Perylene-d12	23.750	264	151333	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	17321	8.19	ng	-0.01
7) Phenol-d6	7.169	99	23041	8.01	ng	-0.02
23) Nitrobenzene-d5	9.140	82	13586	4.85	ng	-0.01
42) 2,4,6-Tribromophenol	16.098	330	6864	6.93	ng	-0.01
45) 2-Fluorobiphenyl	13.233	172	30941	5.19	ng	0.00
79) Terphenyl-d14	19.939	244	40032	4.89	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	10.828	128	15392	2.05	ng	97
56) 4-Nitrophenol	15.010	139	5264	4.54	ng	# 1
58) Fluorene	15.657	166	21103	3.49	ng	96
71) Phenanthrene	17.386	178	148647	16.32	ng	99
72) Anthracene	17.474	178	46861	5.33	ng	97
75) Fluoranthene	19.386	202	213163	20.84	ng	97
78) Pyrene	19.745	202	181270	17.11	ng	99
81) Benzo(a)anthracene	21.468	228	99814	9.78	ng	97
83) Chrysene	21.515	228	80732	8.20	ng	97
88) Benzo(b)fluoranthene	23.068	252	114834	11.18	ng	# 95
89) Benzo(k)fluoranthene	23.068	252	114834	11.45	ng	# 95
90) Benzo(a)pyrene	23.650	252	85805	9.01	ng	# 94
92) Benzo(g,h,i)perylene	26.756	276	49863	5.43	ng	# 90

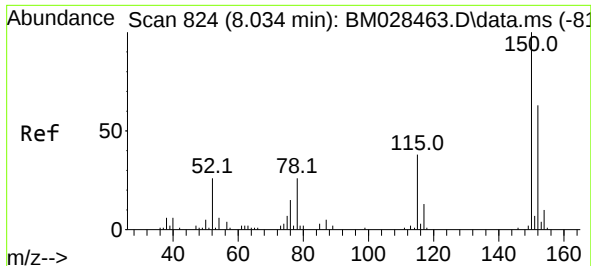
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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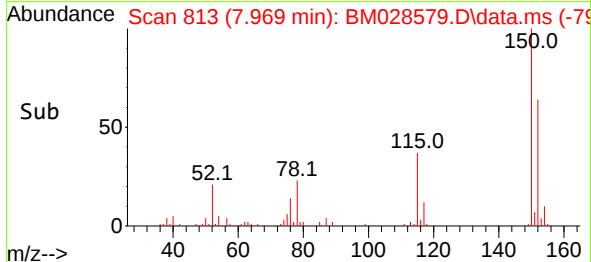
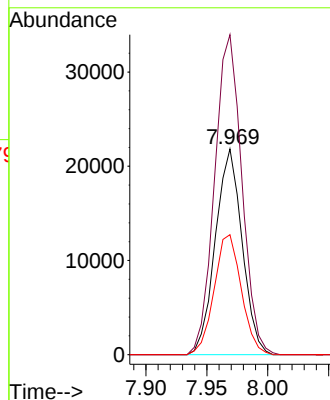
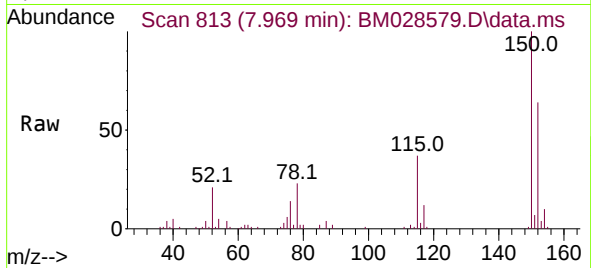




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.969 min Scan# 813
Delta R.T. 0.000 min
Lab File: BM028579.D
Acq: 27 Jan 2021 20:58

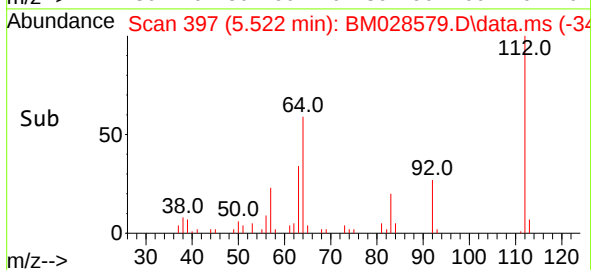
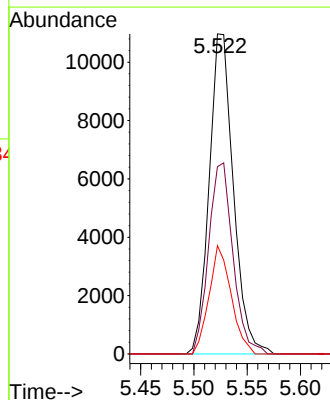
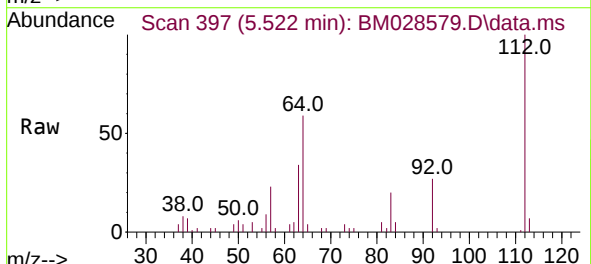
Instrument :
BNA_M
ClientSampleId :
SU-01-012621

Tgt Ion:152 Resp: 33393
Ion Ratio Lower Upper
152 100
150 155.5 120.6 181.0
115 58.3 47.2 70.8



#5
2-Fluorophenol
Concen: 8.19 ng
RT: 5.522 min Scan# 397
Delta R.T. -0.012 min
Lab File: BM028579.D
Acq: 27 Jan 2021 20:58

Tgt Ion:112 Resp: 17321
Ion Ratio Lower Upper
112 100
64 58.5 50.6 76.0
63 33.9 31.0 46.6

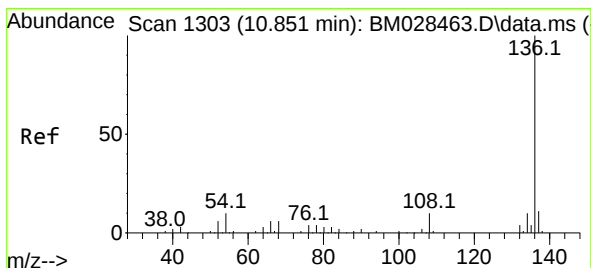
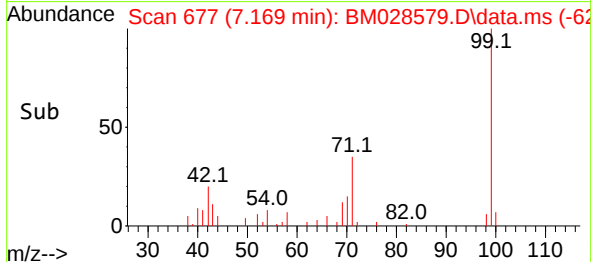
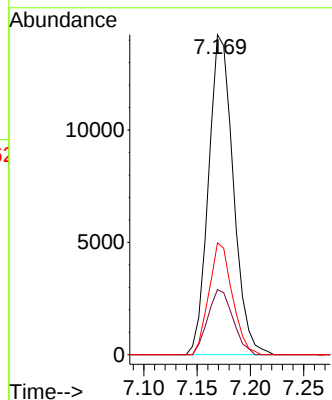
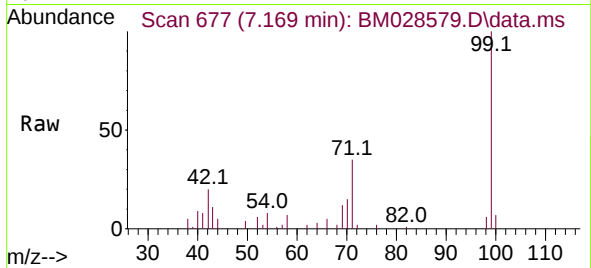




#7
Phenol-d6
Concen: 8.01 ng
RT: 7.169 min Scan# 677
Delta R.T. -0.018 min
Lab File: BM028579.D
Acq: 27 Jan 2021 20:58

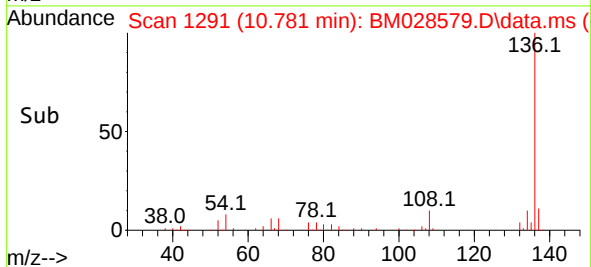
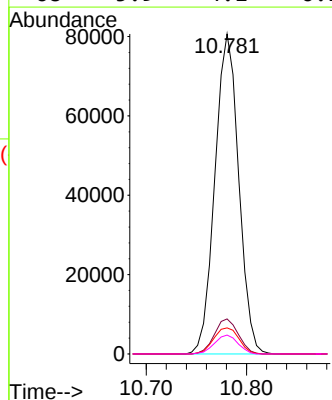
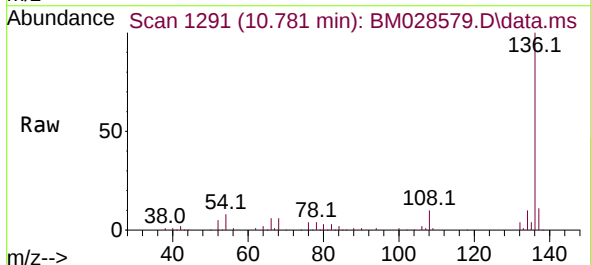
Instrument :
BNA_M
ClientSampleId :
SU-01-012621

Tgt Ion: 99 Resp: 23041
Ion Ratio Lower Upper
99 100
42 20.3 13.5 20.3#
71 34.9 39.4 59.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.781 min Scan# 1291
Delta R.T. -0.006 min
Lab File: BM028579.D
Acq: 27 Jan 2021 20:58

Tgt Ion: 136 Resp: 132755
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 8.2 4.6 7.0#
68 5.9 4.1 6.1

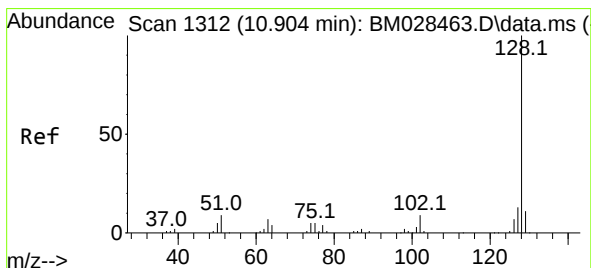
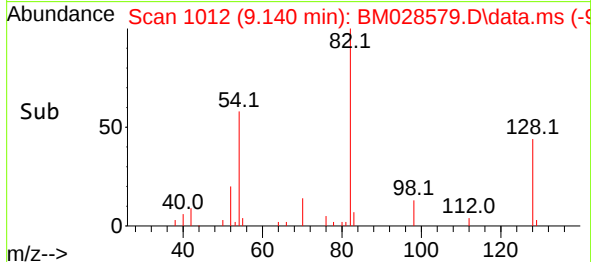
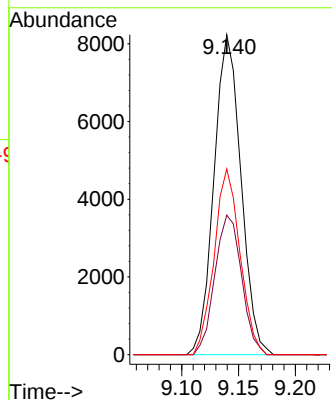
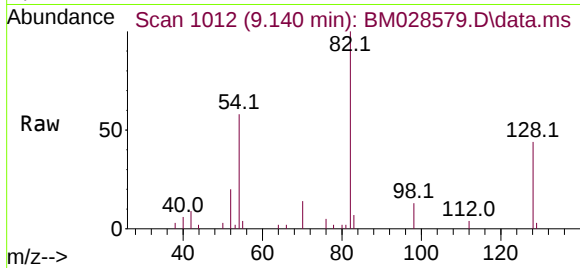




#23
Nitrobenzene-d5
Concen: 4.85 ng
RT: 9.140 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BM028579.D
Acq: 27 Jan 2021 20:58

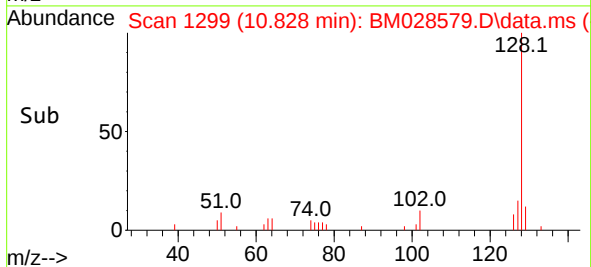
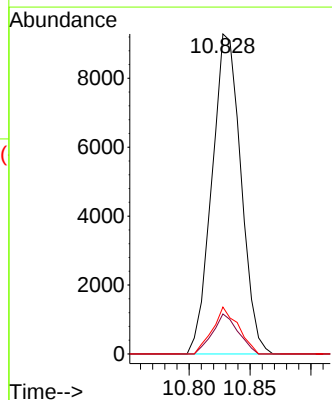
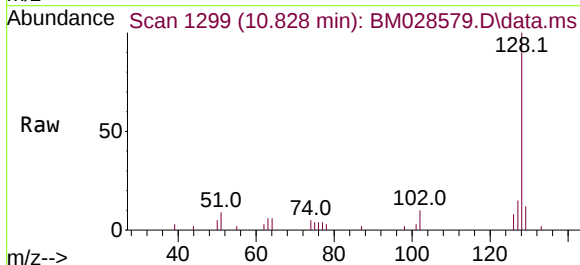
Instrument :
BNA_M
ClientSampleId :
SU-01-012621

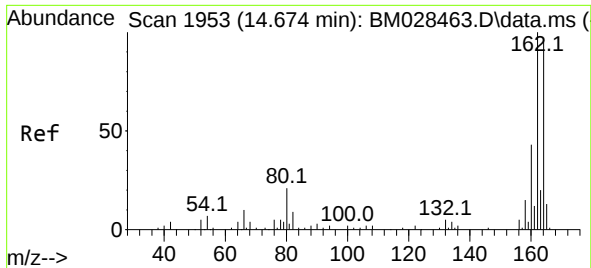
Tgt Ion: 82 Resp: 13586
Ion Ratio Lower Upper
82 100
128 43.6 27.4 41.0#
54 58.0 31.4 47.0#



#31
Naphthalene
Concen: 2.05 ng
RT: 10.828 min Scan# 1299
Delta R.T. -0.012 min
Lab File: BM028579.D
Acq: 27 Jan 2021 20:58

Tgt Ion: 128 Resp: 15392
Ion Ratio Lower Upper
128 100
129 12.5 9.0 13.4
127 14.6 10.6 15.8

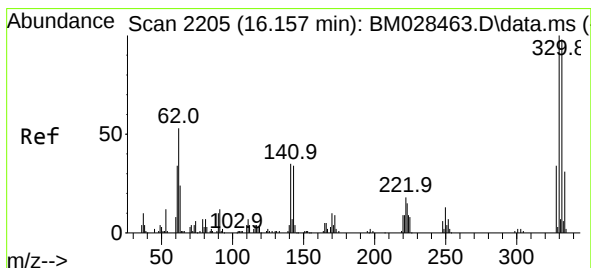
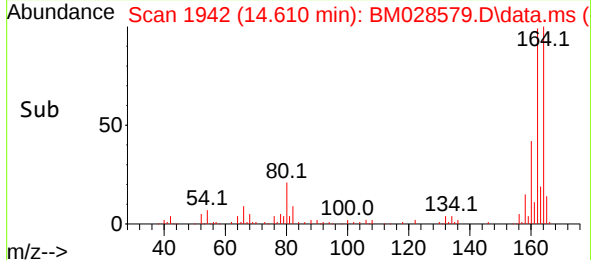
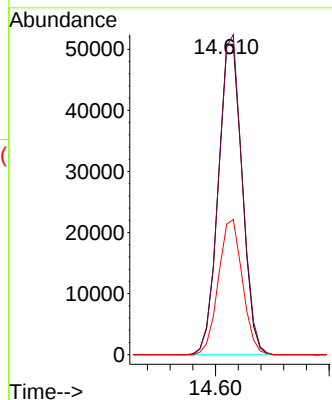
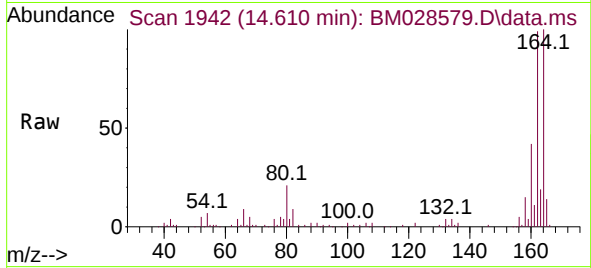




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.610 min Scan# 1942
Delta R.T. -0.012 min
Lab File: BM028579.D
Acq: 27 Jan 2021 20:58

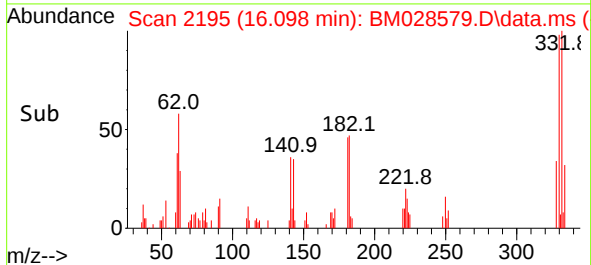
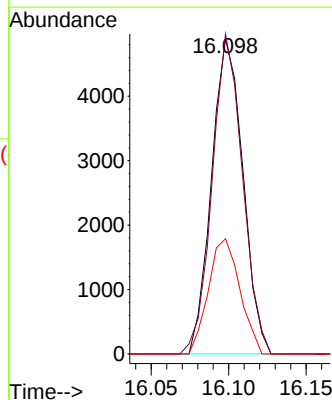
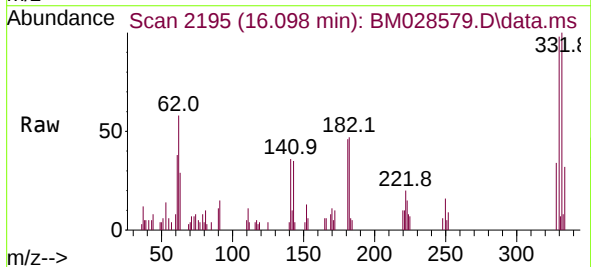
Instrument :
BNA_M
ClientSampleId :
SU-01-012621

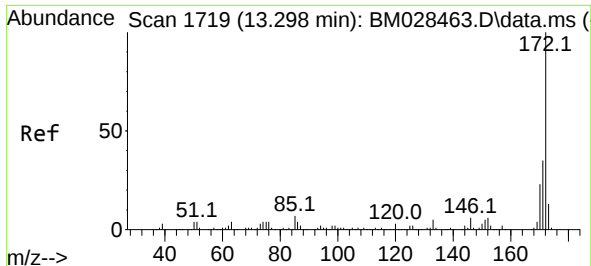
Tgt Ion:164	Resp:	74740
Ion Ratio	Lower	Upper
164	100	
162	99.2	80.4 120.6
160	42.0	35.9 53.9



#42
2,4,6-Tribromophenol
Concen: 6.93 ng
RT: 16.098 min Scan# 2195
Delta R.T. -0.012 min
Lab File: BM028579.D
Acq: 27 Jan 2021 20:58

Tgt Ion:330	Resp:	6864
Ion Ratio	Lower	Upper
330	100	
332	98.2	77.8 116.8
141	36.8	28.4 42.6

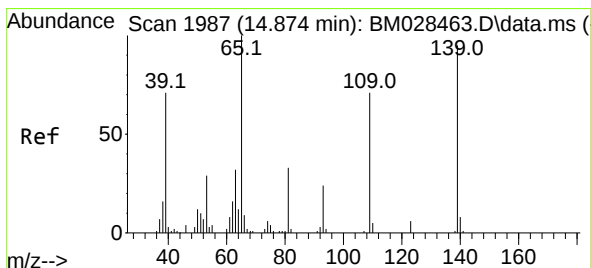
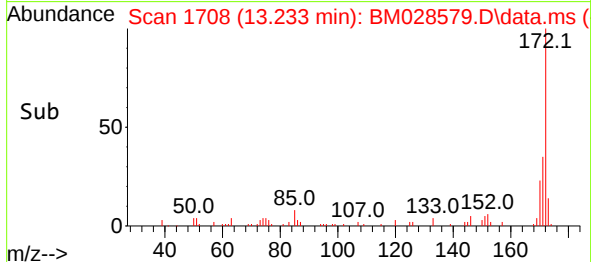
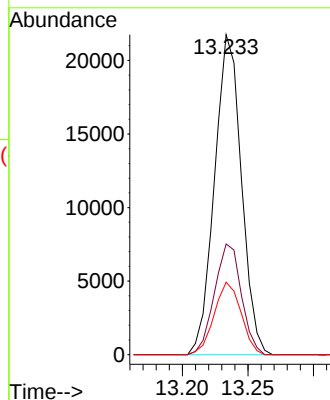
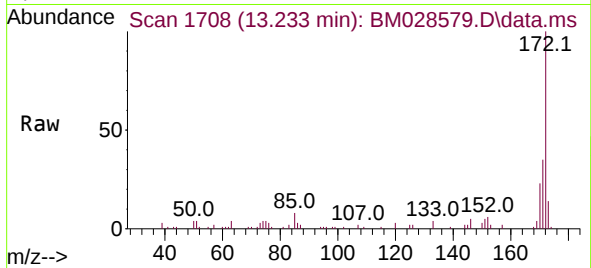




#45
2-Fluorobiphenyl
Concen: 5.19 ng
RT: 13.233 min Scan# 1708
Delta R.T. -0.006 min
Lab File: BM028579.D
Acq: 27 Jan 2021 20:58

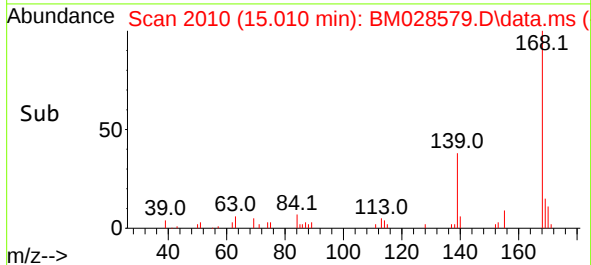
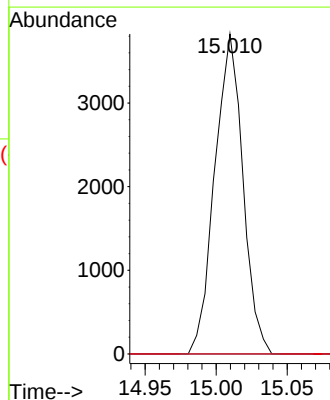
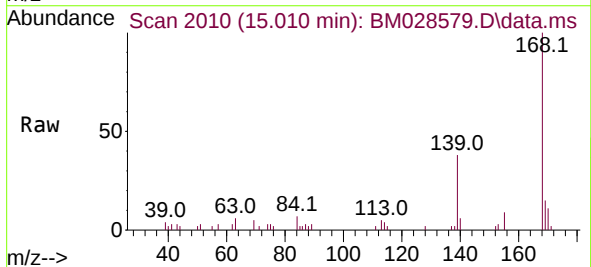
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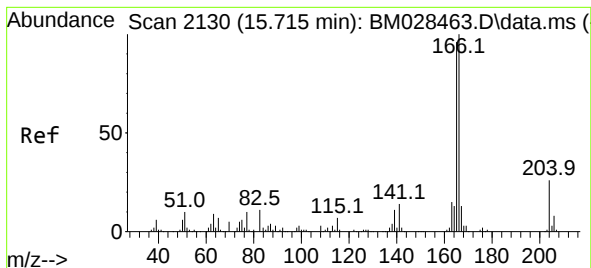
Tgt Ion:	172	Resp:	30941
Ion	Ratio	Lower	Upper
172	100		
171	34.6	27.8	41.8
170	22.6	18.6	27.8



#56
4-Nitrophenol
Concen: 4.54 ng
RT: 15.010 min Scan# 2010
Delta R.T. 0.076 min
Lab File: BM028579.D
Acq: 27 Jan 2021 20:58

Tgt Ion:	139	Resp:	5264
Ion	Ratio	Lower	Upper
139	100		
109	0.0	77.0	117.0#
65	0.0	103.4	143.4#





#58

Fluorene

Concen: 3.49 ng

RT: 15.657 min Scan# 2120

Delta R.T. -0.006 min

Lab File: BM028579.D

Acq: 27 Jan 2021 20:58

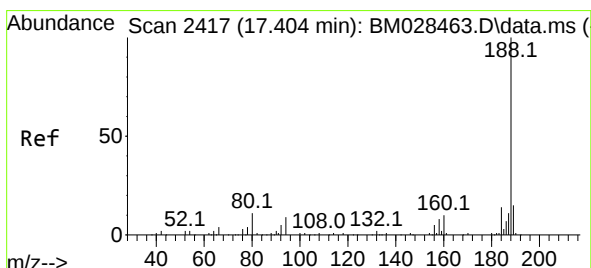
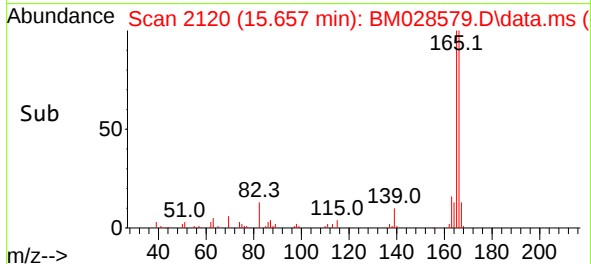
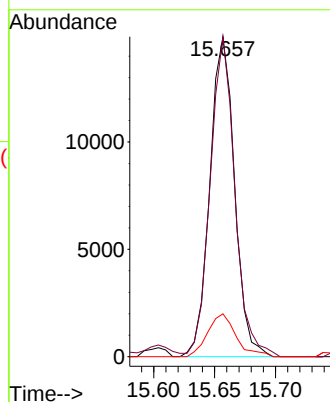
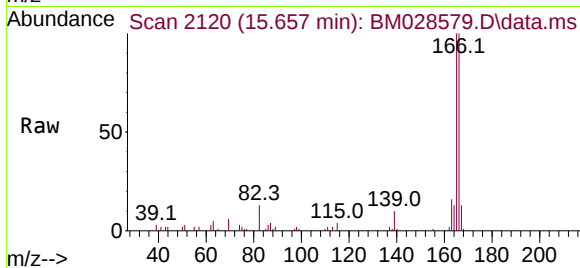
Tgt Ion:166	Resp:	21103
Ion Ratio	Lower	Upper
166	100	
165	100.1	76.2 114.2
167	13.4	10.7 16.1

Instrument :

BNA_M

ClientSampleId :

SU-01-012621



#64

Phenanthrene-d10

Concen: 20.00 ng

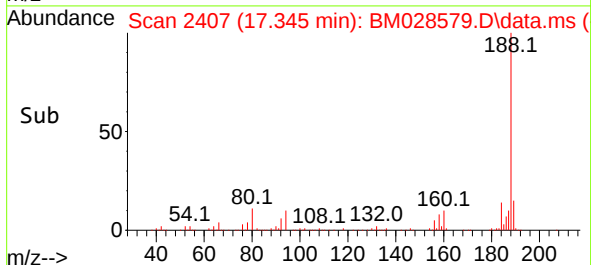
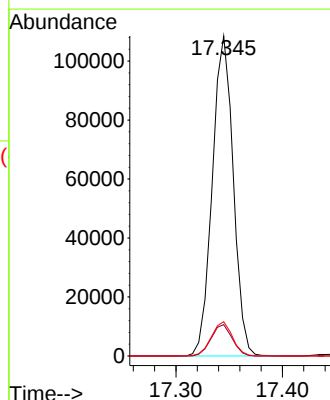
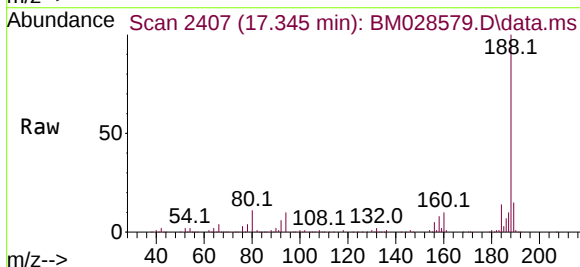
RT: 17.345 min Scan# 2407

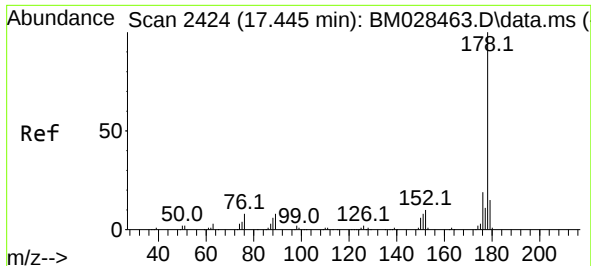
Delta R.T. -0.006 min

Lab File: BM028579.D

Acq: 27 Jan 2021 20:58

Tgt Ion:188	Resp:	148062
Ion Ratio	Lower	Upper
188	100	
94	9.8	6.2 9.4#
80	10.7	7.5 11.3

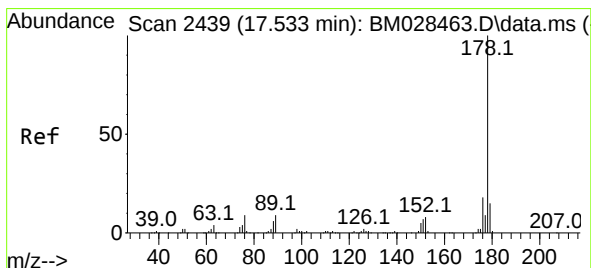
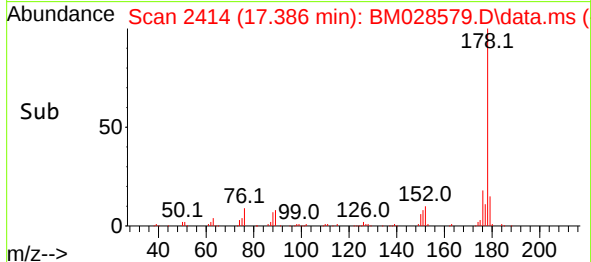
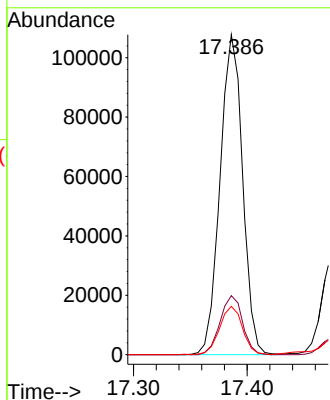
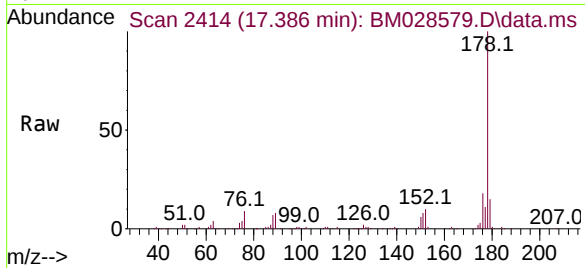




#71
Phenanthrene
Concen: 16.32 ng
RT: 17.386 min Scan# 2414
Delta R.T. -0.006 min
Lab File: BM028579.D
Acq: 27 Jan 2021 20:58

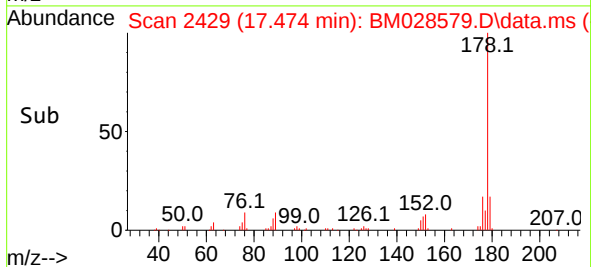
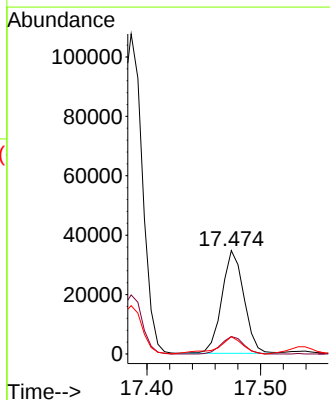
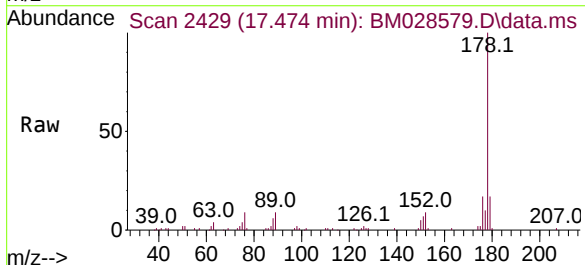
Instrument :
BNA_M
ClientSampleId :
SU-01-012621

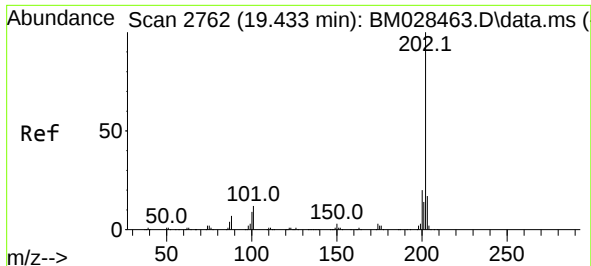
Tgt Ion:178 Resp: 148647
Ion Ratio Lower Upper
178 100
176 18.5 15.0 22.6
179 15.1 12.2 18.4



#72
Anthracene
Concen: 5.33 ng
RT: 17.474 min Scan# 2429
Delta R.T. -0.006 min
Lab File: BM028579.D
Acq: 27 Jan 2021 20:58

Tgt Ion:178 Resp: 46861
Ion Ratio Lower Upper
178 100
176 16.8 15.0 22.4
179 16.7 12.5 18.7

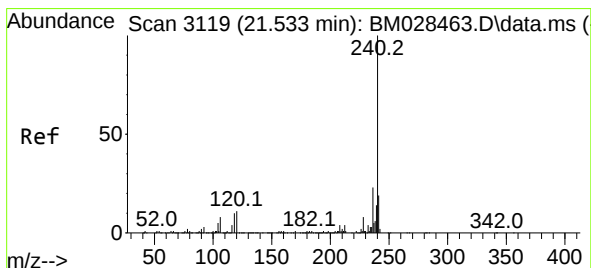
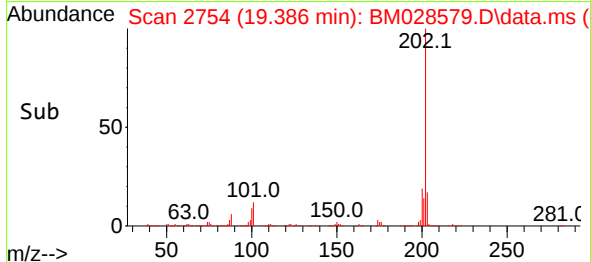
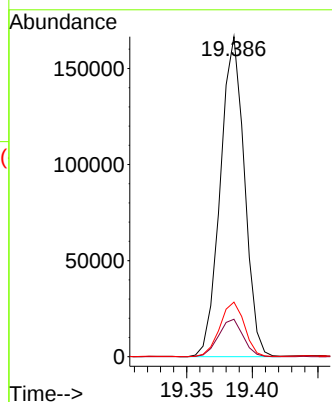
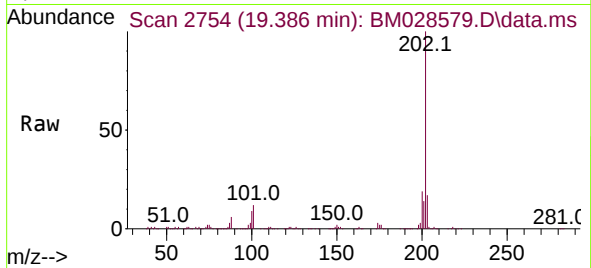




#75
Fluoranthene
Concen: 20.84 ng
RT: 19.386 min Scan# 2754
Delta R.T. -0.006 min
Lab File: BM028579.D
Acq: 27 Jan 2021 20:58

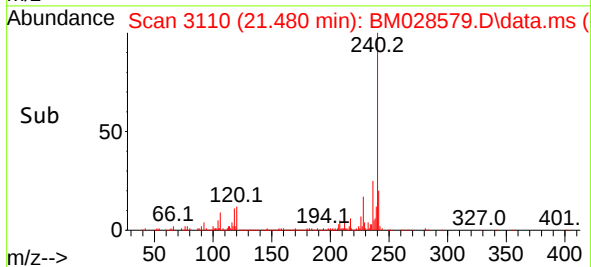
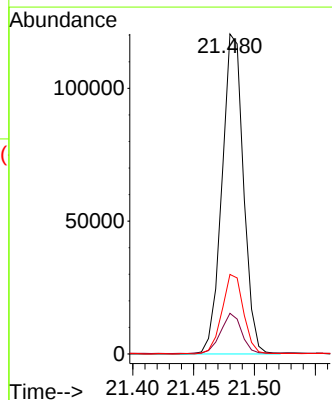
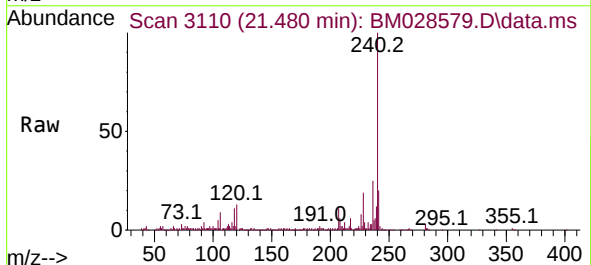
Instrument :
BNA_M
ClientSampleId :
SU-01-012621

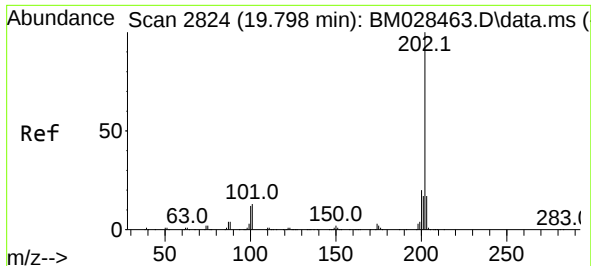
Tgt Ion:202 Resp: 213163
Ion Ratio Lower Upper
202 100
101 11.7 0.0 28.5
203 17.1 0.0 37.3



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.480 min Scan# 3110
Delta R.T. -0.006 min
Lab File: BM028579.D
Acq: 27 Jan 2021 20:58

Tgt Ion:240 Resp: 147725
Ion Ratio Lower Upper
240 100
120 12.7 6.4 9.6#
236 24.8 20.1 30.1

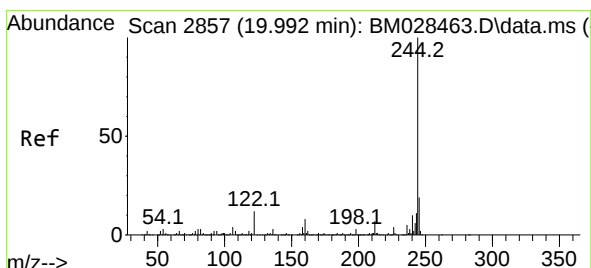
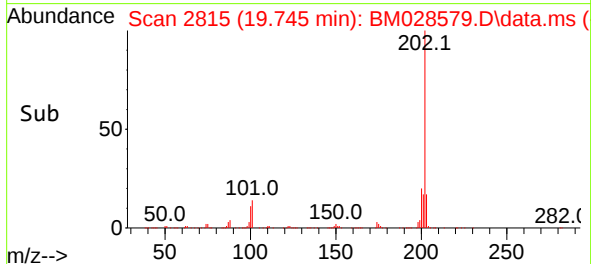
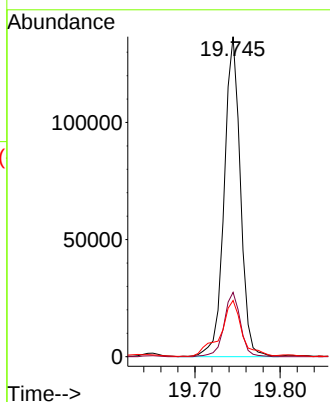
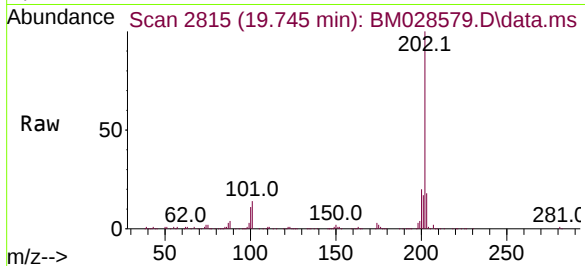




#78
Pyrene
Concen: 17.11 ng
RT: 19.745 min Scan# 2815
Delta R.T. -0.006 min
Lab File: BM028579.D
Acq: 27 Jan 2021 20:58

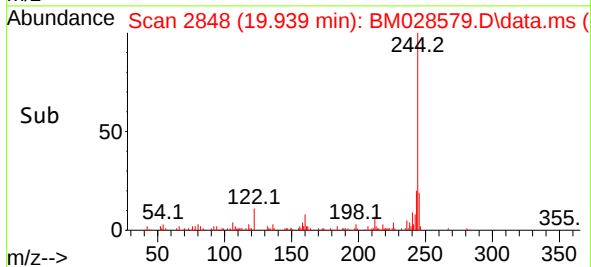
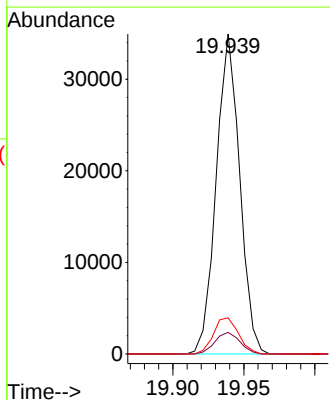
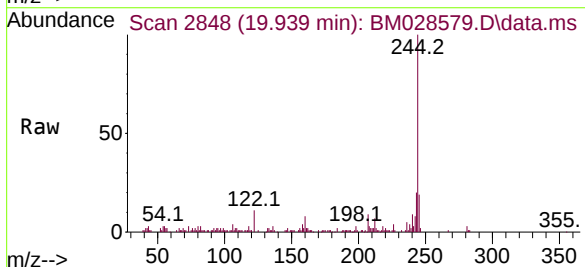
Instrument :
BNA_M
ClientSampleId :
SU-01-012621

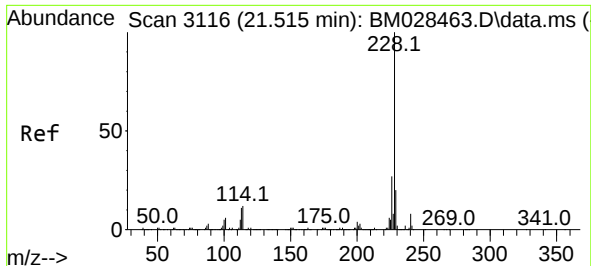
Tgt Ion:	202	Resp:	181270
Ion Ratio	Lower	Upper	
202	100		
200	20.1	16.6	24.8
203	17.6	13.8	20.6



#79
Terphenyl-d14
Concen: 4.89 ng
RT: 19.939 min Scan# 2848
Delta R.T. -0.006 min
Lab File: BM028579.D
Acq: 27 Jan 2021 20:58

Tgt Ion:	244	Resp:	40032
Ion Ratio	Lower	Upper	
244	100		
212	6.7	5.8	8.8
122	11.3	6.5	9.7#

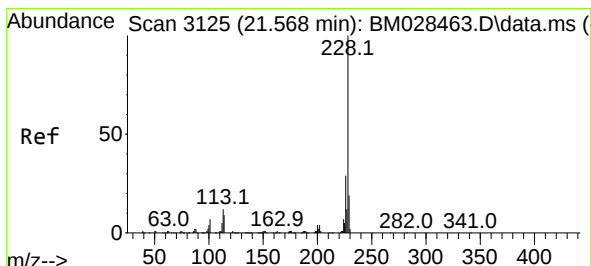
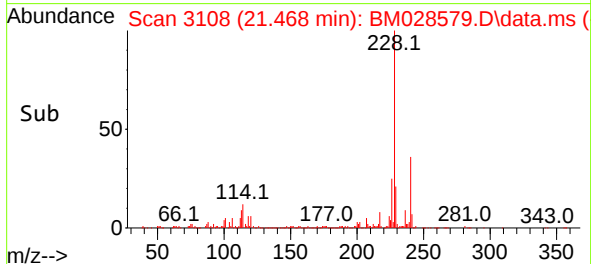
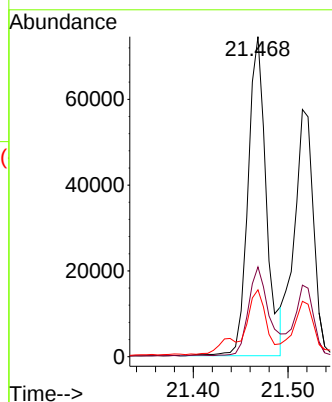
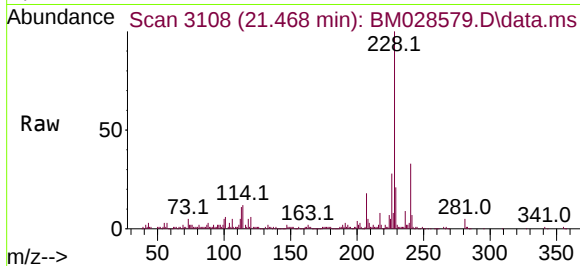




#81
Benzo(a)anthracene
Concen: 9.78 ng
RT: 21.468 min Scan# 3108
Delta R.T. -0.006 min
Lab File: BM028579.D
Acq: 27 Jan 2021 20:58

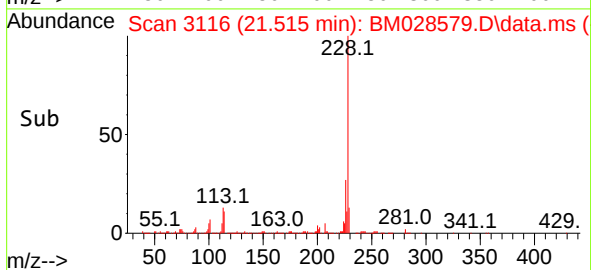
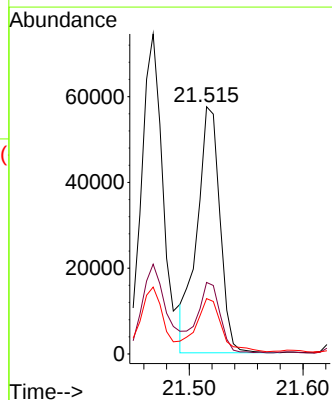
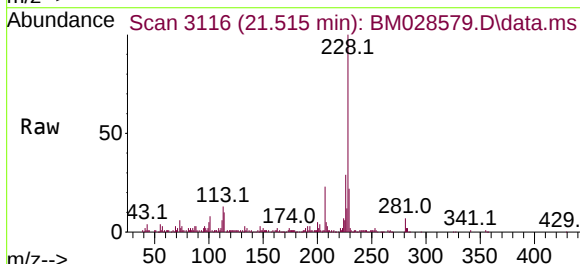
Instrument :
BNA_M
ClientSampleId :
SU-01-012621

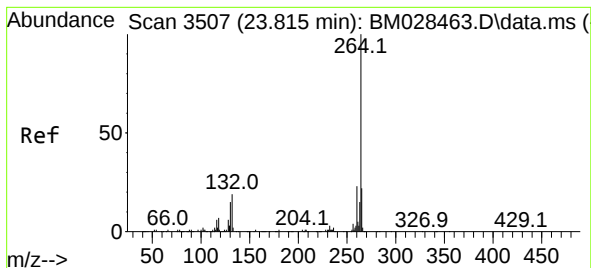
Tgt Ion:228 Resp: 99814
Ion Ratio Lower Upper
228 100
226 28.1 21.1 31.7
229 20.9 15.7 23.5



#83
Chrysene
Concen: 8.20 ng
RT: 21.515 min Scan# 3116
Delta R.T. -0.012 min
Lab File: BM028579.D
Acq: 27 Jan 2021 20:58

Tgt Ion:228 Resp: 80732
Ion Ratio Lower Upper
228 100
226 28.9 23.4 35.0
229 22.4 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: BM028579.D

Acq: 27 Jan 2021 20:58

Tgt Ion:264 Resp: 151333

Ion Ratio Lower Upper

264 100

260 22.5 19.0 28.4

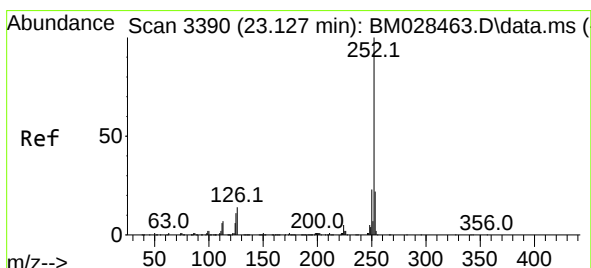
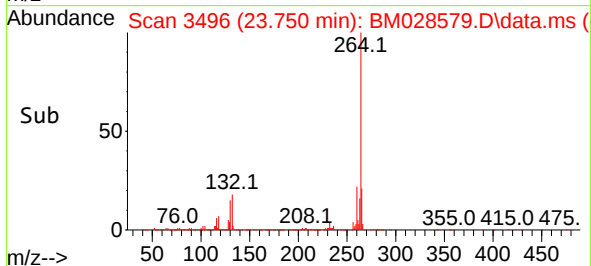
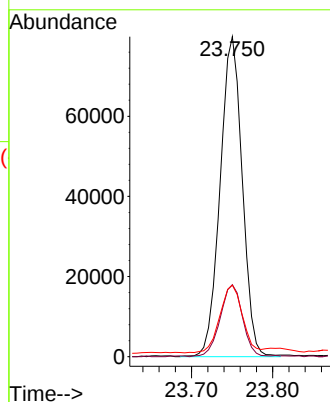
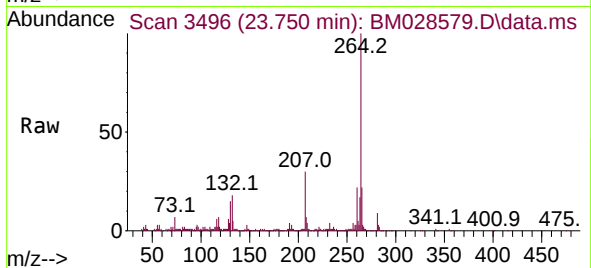
265 22.4 17.7 26.5

Instrument :

BNA_M

ClientSampleId :

SU-01-012621



#88

Benzo(b)fluoranthene

Concen: 11.18 ng

RT: 23.068 min Scan# 3380

Delta R.T. -0.006 min

Lab File: BM028579.D

Acq: 27 Jan 2021 20:58

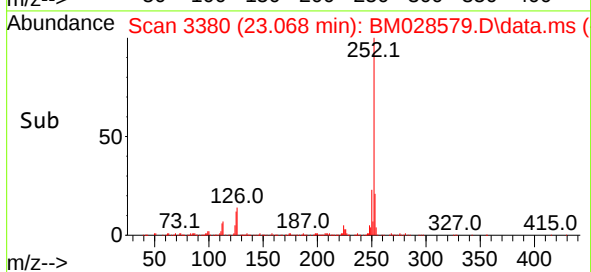
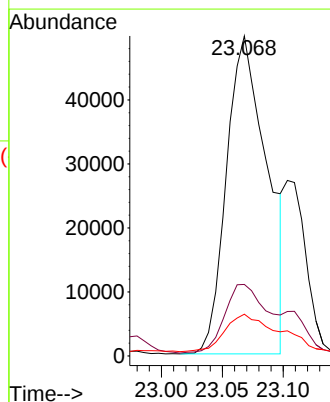
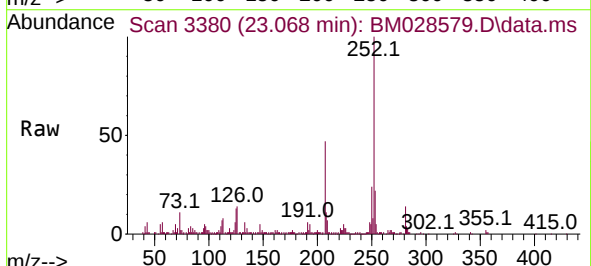
Tgt Ion:252 Resp: 114834

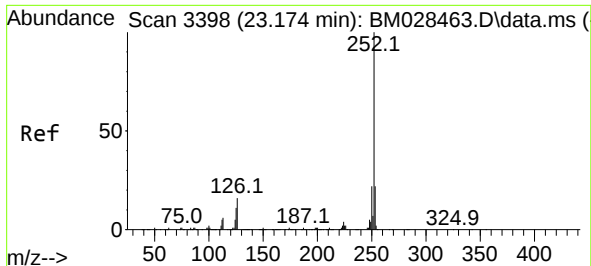
Ion Ratio Lower Upper

252 100

253 22.3 17.4 26.0

125 13.1 5.7 8.5#

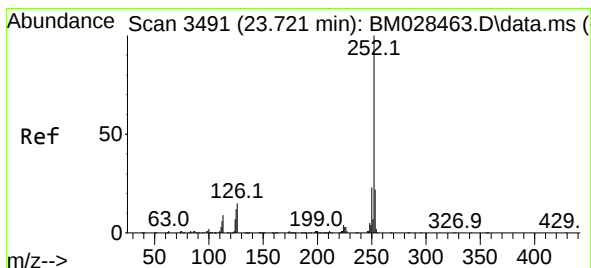
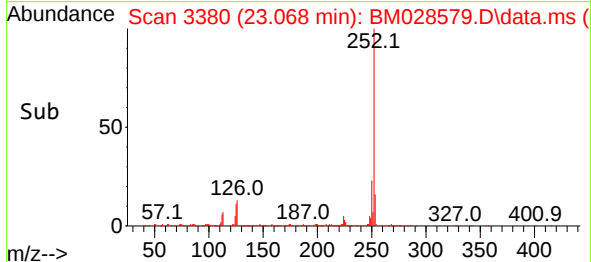
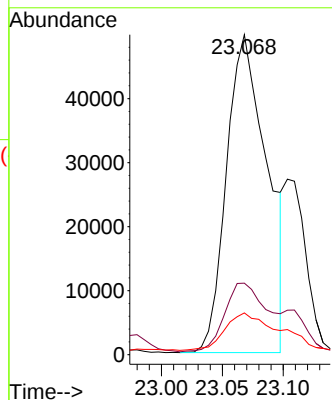
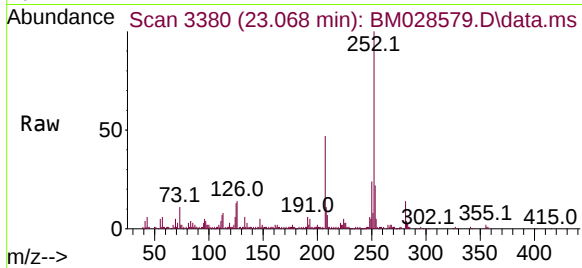




#89
Benzo(k)fluoranthene
Concen: 11.45 ng
RT: 23.068 min Scan# 3380
Delta R.T. -0.047 min
Lab File: BM028579.D
Acq: 27 Jan 2021 20:58

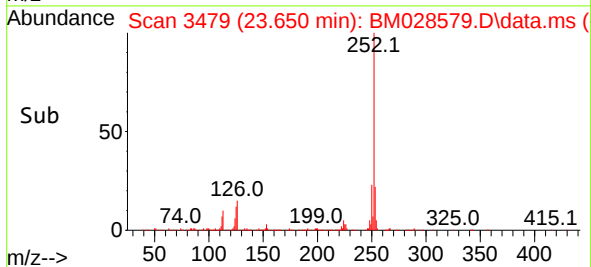
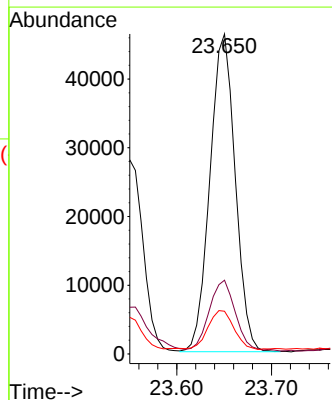
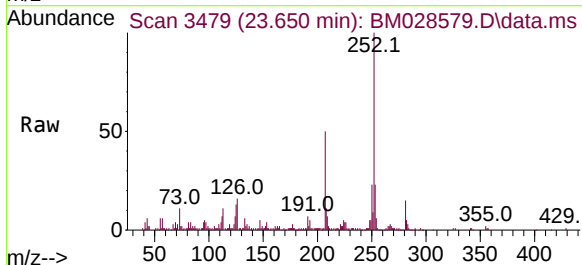
Instrument :
BNA_M
ClientSampleId :
SU-01-012621

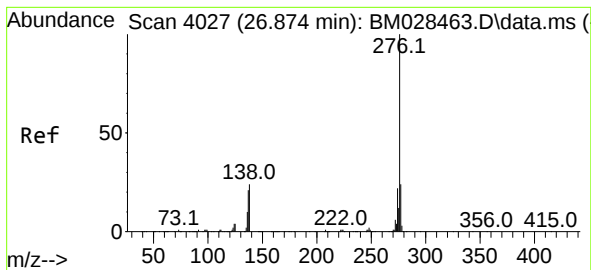
Tgt Ion:252 Resp: 114834
Ion Ratio Lower Upper
252 100
253 22.3 17.4 26.0
125 13.1 5.6 8.4#



#90
Benzo(a)pyrene
Concen: 9.01 ng
RT: 23.650 min Scan# 3479
Delta R.T. -0.006 min
Lab File: BM028579.D
Acq: 27 Jan 2021 20:58

Tgt Ion:252 Resp: 85805
Ion Ratio Lower Upper
252 100
253 23.1 17.4 26.2
125 13.3 6.6 9.8#





#92
 Benzo(g,h,i)perylene
 Concen: 5.43 ng
 RT: 26.756 min Scan# 4007
 Delta R.T. -0.018 min
 Lab File: BM028579.D
 Acq: 27 Jan 2021 20:58

Instrument :
 BNA_M
 ClientSampleId :
 SU-01-012621

Tgt Ion:	276	Resp:	49863
Ion Ratio	Lower	Upper	
276	100		
277	25.4	18.6	28.0
138	23.4	12.2	18.2#

