

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042321\
 Data File : BM029627.D
 Acq On : 23 Apr 2021 23:45
 Operator : CG/JU
 Sample : M2143-01 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 HD-01-042221

Quant Time: Apr 26 02:11:38 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042121.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 22 15:55:11 2021
 Response via : Initial Calibration

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

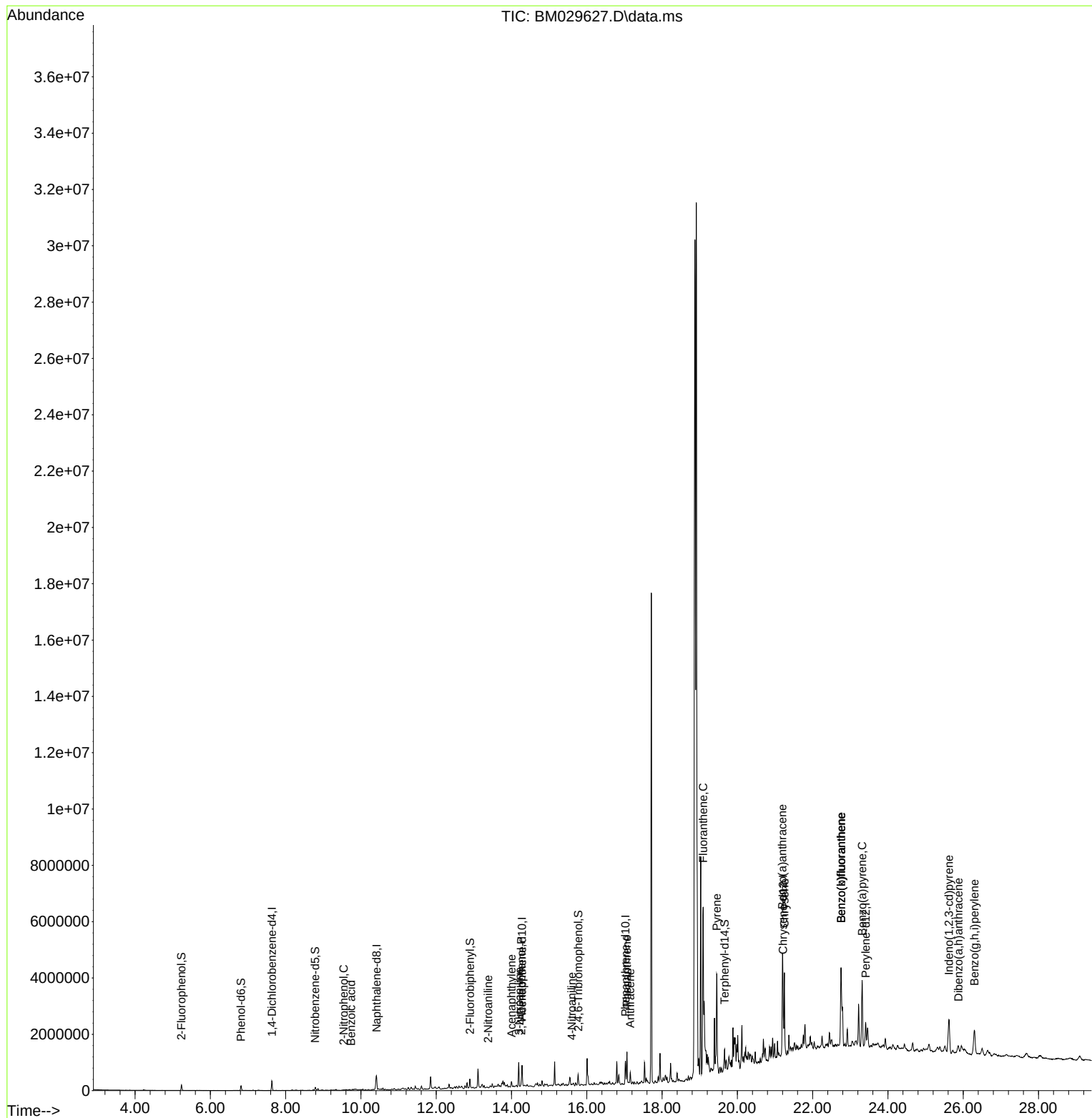
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.634	152	90868	20.00	ng	0.00
21) Naphthalene-d8	10.416	136	334416	20.00	ng	0.00
39) Acenaphthene-d10	14.280	164	225943	20.00	ng	0.00
64) Phenanthrene-d10	17.027	188	493766	20.00	ng	0.00
76) Chrysene-d12	21.215	240	596278	20.00	ng	0.01
86) Perylene-d12	23.409	264	601005	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.234	112	78618	17.35	ng	0.00
7) Phenol-d6	6.816	99	94283	13.93	ng	0.00
23) Nitrobenzene-d5	8.786	82	62830	9.68	ng	0.00
42) 2,4,6-Tribromophenol	15.774	330	47296	15.14	ng	0.00
45) 2-Fluorobiphenyl	12.898	172	179856	10.80	ng	0.00
79) Terphenyl-d14	19.662	244	322980	10.27	ng	0.00
Target Compounds						
						Qvalue
26) 2-Nitrophenol	9.545	139	78	3.22	ng	# 16
32) Benzoic acid	9.739	122	59	7.23	ng	# 65
48) 2-Nitroaniline	13.380	65	604	3.01	ng	# 25
49) Acenaphthylene	13.998	152	150515	7.43	ng	98
53) 3-Nitroaniline	14.204	138	551	3.13	ng	# 44
54) 2,4-Dinitrophenol	14.263	184	54	4.39	ng	# 1
62) 4-Nitroaniline	15.604	138	491	3.58	ng	89
71) Phenanthrene	17.068	178	665676	23.41	ng	100
72) Anthracene	17.156	178	256425	9.14	ng	99
75) Fluoranthene	19.092	202	2429316	70.46	ng	98
78) Pyrene	19.456	202	1958888	51.06	ng	99
81) Benzo(a)anthracene	21.197	228	1653144	41.91	ng	96
83) Chrysene	21.250	228	1411116	36.40	ng	97
87) Indeno(1,2,3-cd)pyrene	25.621	276	1076785	23.17	ng	97
88) Benzo(b)fluoranthene	22.756	252	2846878	72.64	ng	97
89) Benzo(k)fluoranthene	22.756	252	2846878	72.48	ng	# 96
90) Benzo(a)pyrene	23.315	252	1485310	40.36	ng	99
91) Dibenzo(a,h)anthracene	25.874	278	232928	5.81	ng	93
92) Benzo(g,h,i)perylene	26.297	276	1009271	27.24	ng	99

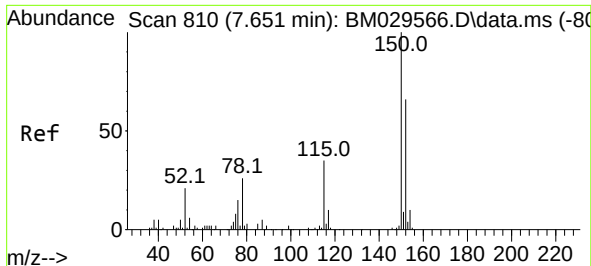
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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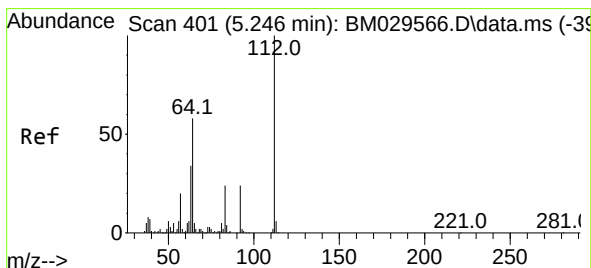
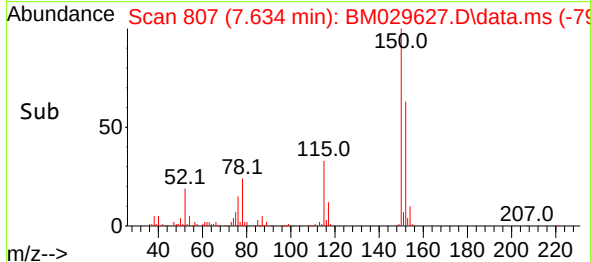
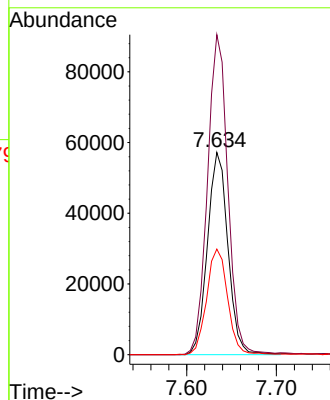
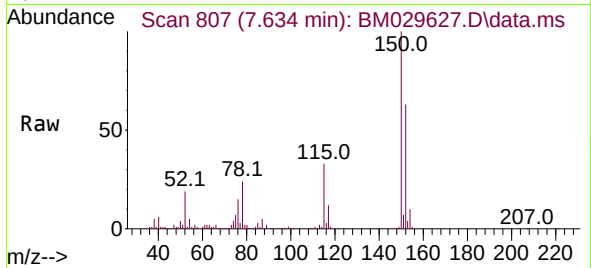




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.634 min Scan# 807
Delta R.T. -0.000 min
Lab File: BM029627.D
Acq: 23 Apr 2021 23:45

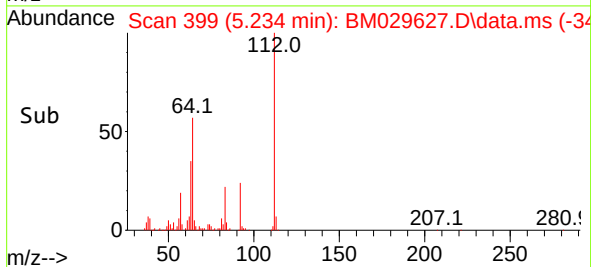
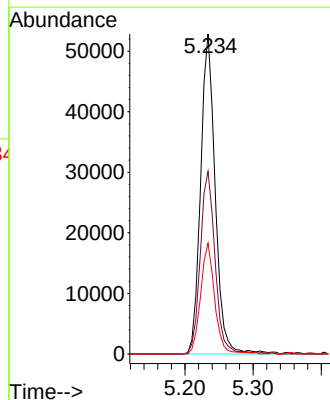
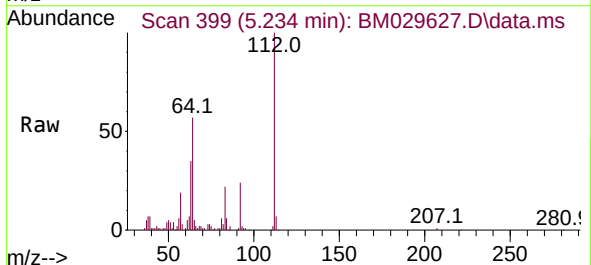
Instrument :
BNA_M
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HD-01-042221

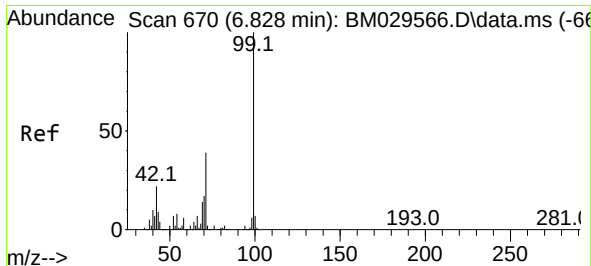
Tgt Ion:152 Resp: 90868
Ion Ratio Lower Upper
152 100
150 158.2 125.9 188.9
115 52.2 44.6 67.0



#5
2-Fluorophenol
Concen: 17.35 ng
RT: 5.234 min Scan# 399
Delta R.T. 0.006 min
Lab File: BM029627.D
Acq: 23 Apr 2021 23:45

Tgt Ion:112 Resp: 78618
Ion Ratio Lower Upper
112 100
64 57.0 47.1 70.7
63 34.6 27.3 40.9

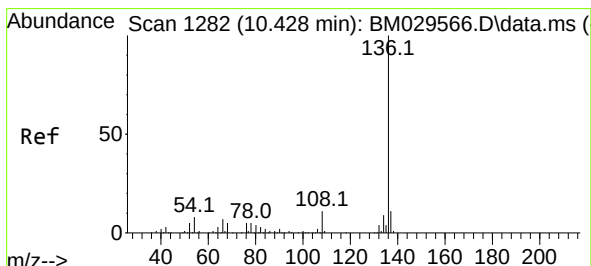
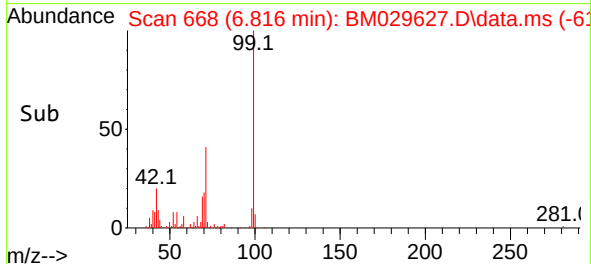
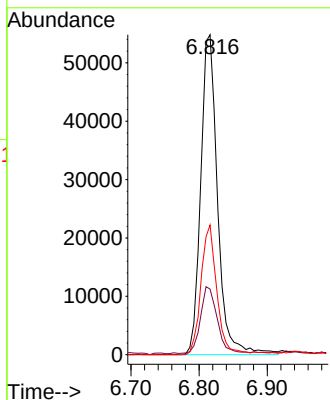
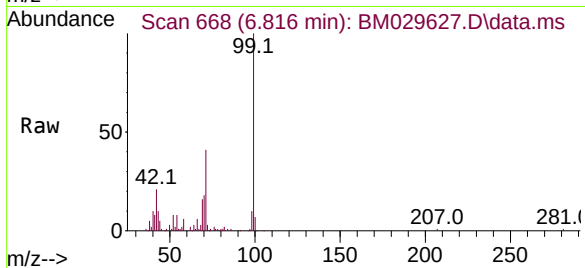




#7
Phenol-d6
Concen: 13.93 ng
RT: 6.816 min Scan# 668
Delta R.T. 0.006 min
Lab File: BM029627.D
Acq: 23 Apr 2021 23:45

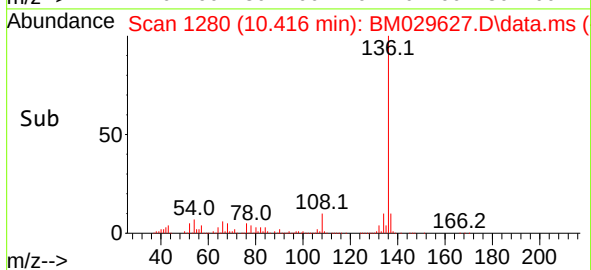
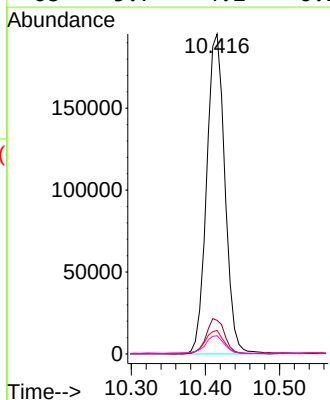
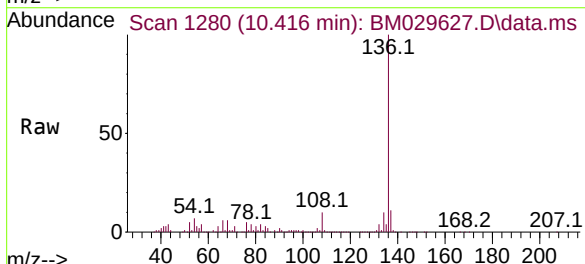
Instrument :
BNA_M
ClientSampleId :
HD-01-042221

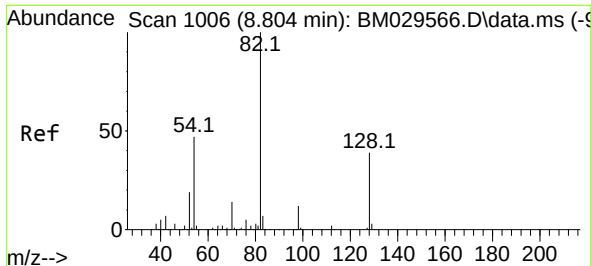
Tgt Ion:	99	Resp:	94283
Ion	Ratio	Lower	Upper
99	100		
42	20.5	18.0	27.0
71	40.6	30.9	46.3



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.416 min Scan# 1280
Delta R.T. -0.000 min
Lab File: BM029627.D
Acq: 23 Apr 2021 23:45

Tgt Ion:	136	Resp:	334416
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.4	12.6
54	7.4	5.5	8.3
68	5.7	4.2	6.2

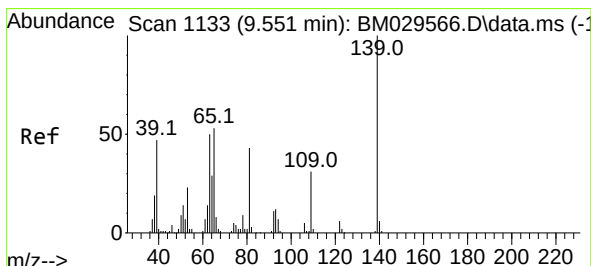
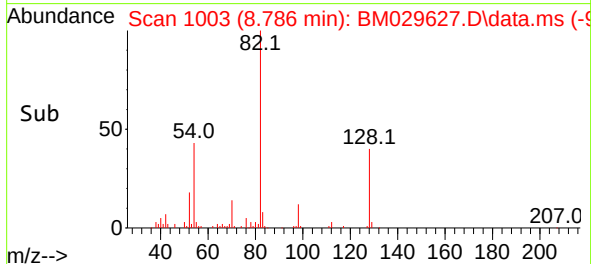
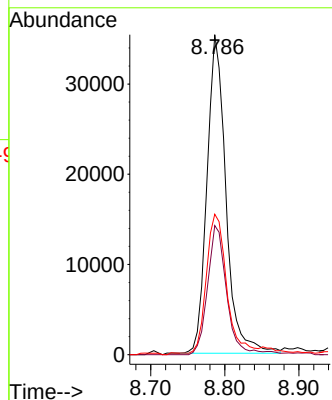
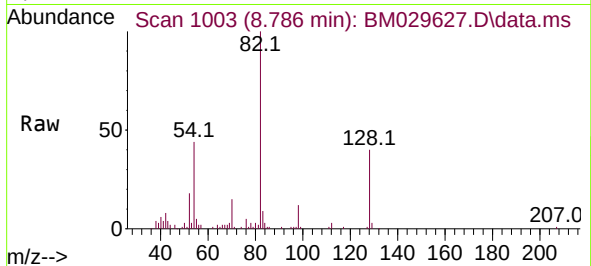




#23
Nitrobenzene-d5
Concen: 9.68 ng
RT: 8.786 min Scan# 1003
Delta R.T. -0.000 min
Lab File: BM029627.D
Acq: 23 Apr 2021 23:45

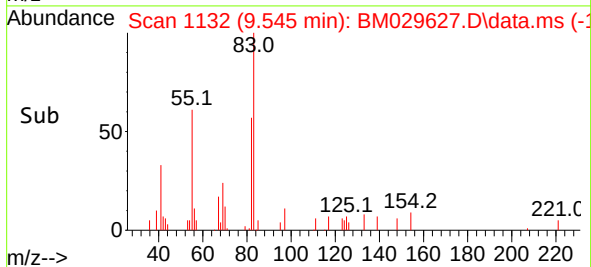
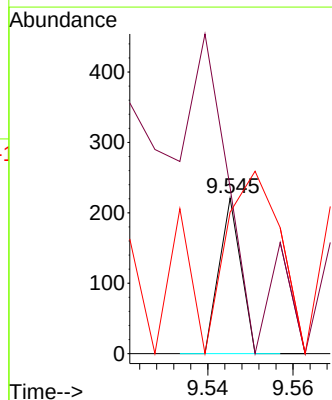
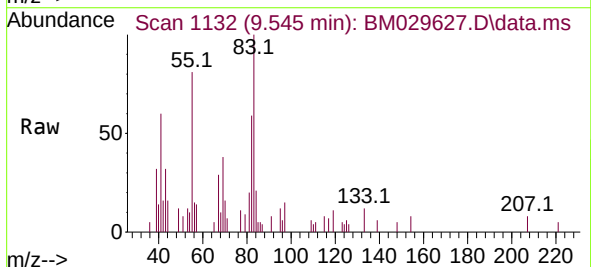
Instrument :
BNA_M
ClientSampleId :
HD-01-042221

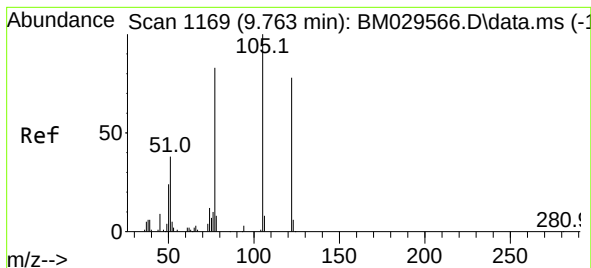
Tgt Ion: 82 Resp: 62830
Ion Ratio Lower Upper
82 100
128 40.4 31.1 46.7
54 43.9 37.3 55.9



#26
2-Nitrophenol
Concen: 3.22 ng
RT: 9.545 min Scan# 1132
Delta R.T. 0.006 min
Lab File: BM029627.D
Acq: 23 Apr 2021 23:45

Tgt Ion:139 Resp: 78
Ion Ratio Lower Upper
139 100
109 106.8 26.7 40.1#
65 91.0 41.9 62.9#

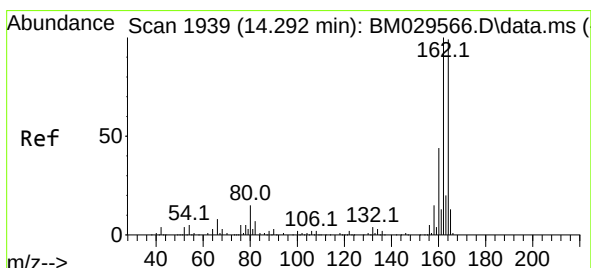
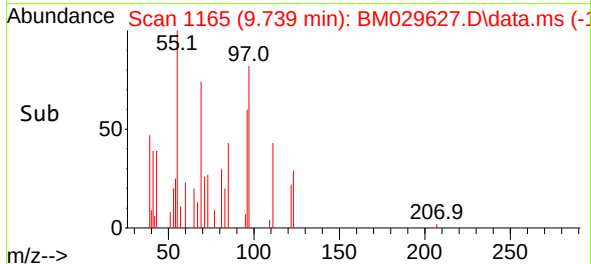
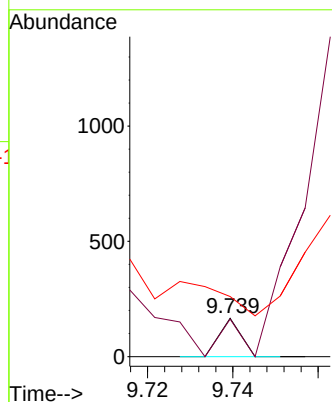
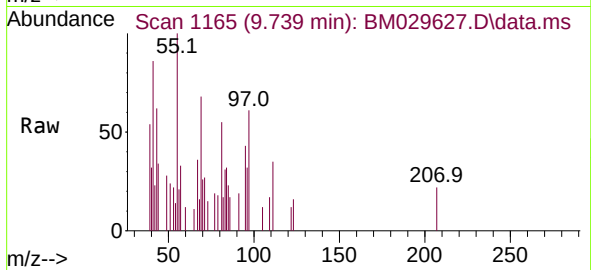




#32
Benzoic acid
Concen: 7.23 ng
RT: 9.739 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BM029627.D
Acq: 23 Apr 2021 23:45

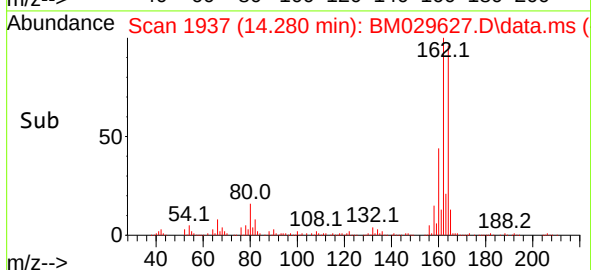
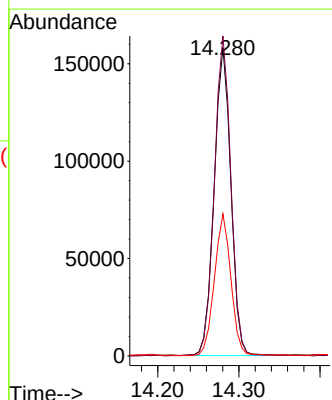
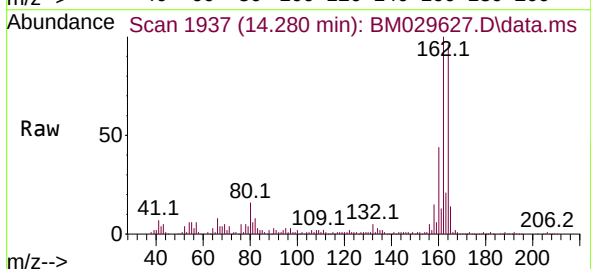
Instrument :
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ClientSampleId :
HD-01-042221

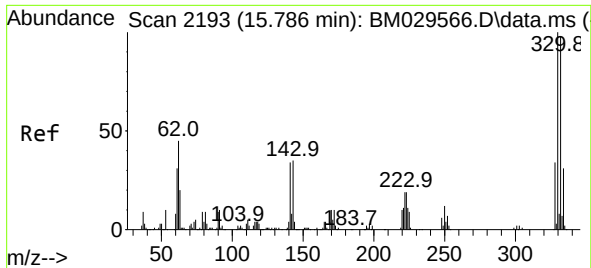
Tgt Ion:122 Resp: 59
Ion Ratio Lower Upper
122 100
105 98.2 107.3 147.3#
77 157.2 88.0 128.0#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.280 min Scan# 1937
Delta R.T. -0.000 min
Lab File: BM029627.D
Acq: 23 Apr 2021 23:45

Tgt Ion:164 Resp: 225943
Ion Ratio Lower Upper
164 100
162 103.7 83.4 125.0
160 46.0 37.2 55.8

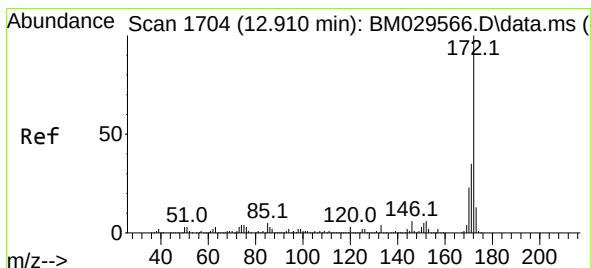
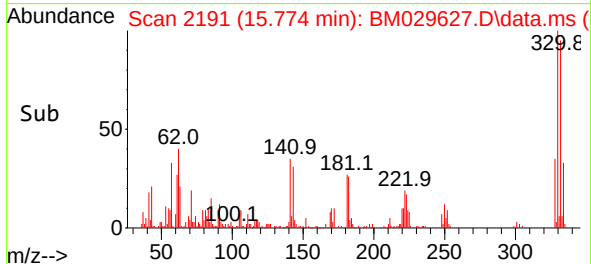
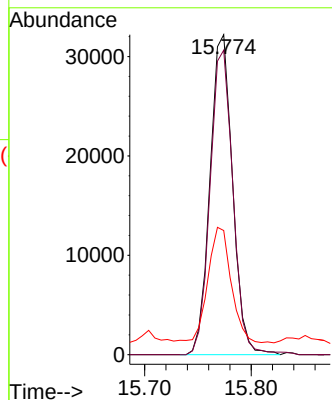
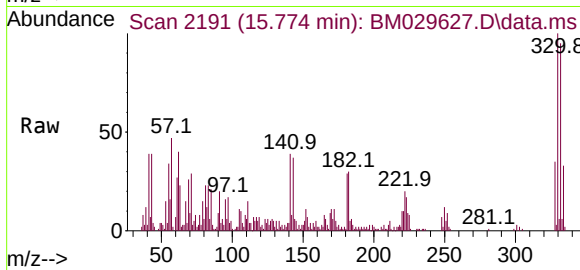




#42
2,4,6-Tribromophenol
Concen: 15.14 ng
RT: 15.774 min Scan# 2191
Delta R.T. 0.006 min
Lab File: BM029627.D
Acq: 23 Apr 2021 23:45

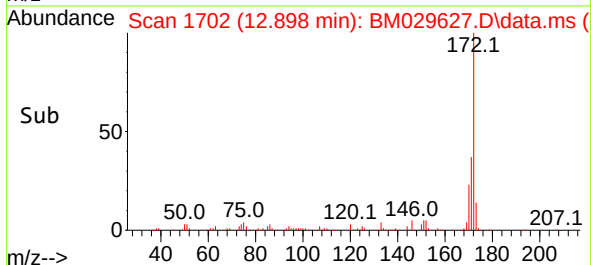
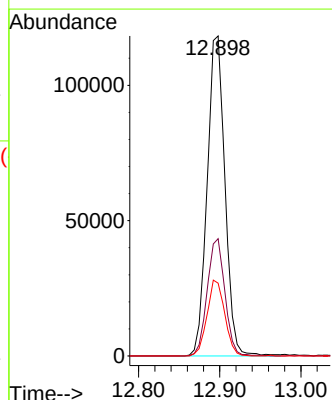
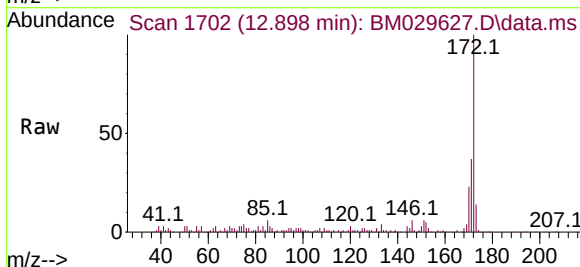
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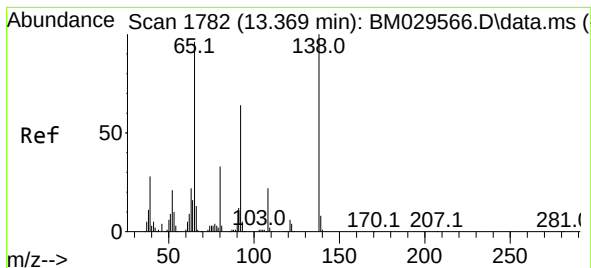
Tgt Ion:330 Resp: 47296
Ion Ratio Lower Upper
330 100
332 96.6 77.0 115.4
141 36.9 30.2 45.2



#45
2-Fluorobiphenyl
Concen: 10.80 ng
RT: 12.898 min Scan# 1702
Delta R.T. -0.000 min
Lab File: BM029627.D
Acq: 23 Apr 2021 23:45

Tgt Ion:172 Resp: 179856
Ion Ratio Lower Upper
172 100
171 36.7 28.6 43.0
170 22.7 18.4 27.6

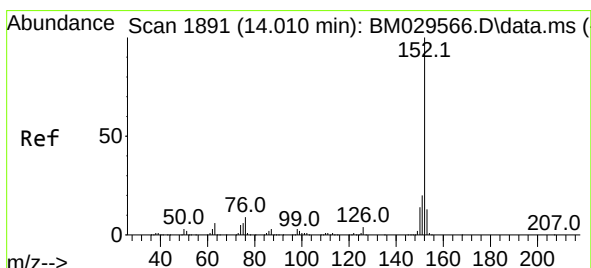
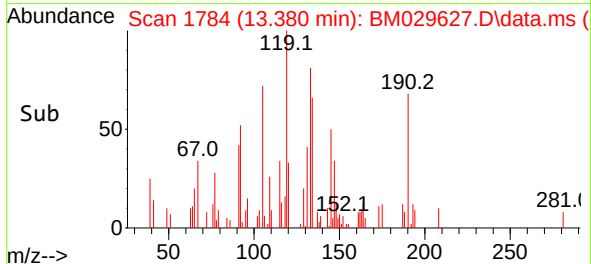
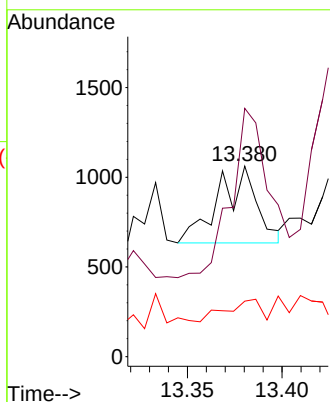
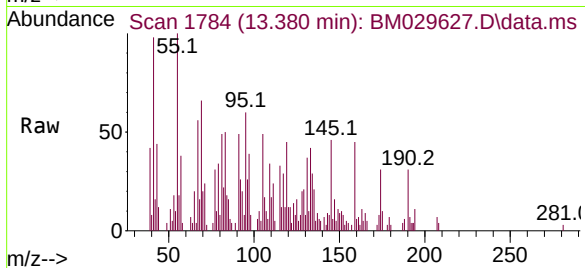




#48
2-Nitroaniline
Concen: 3.01 ng
RT: 13.380 min Scan# 1784
Delta R.T. 0.023 min
Lab File: BM029627.D
Acq: 23 Apr 2021 23:45

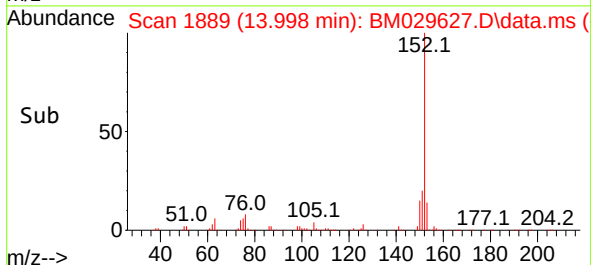
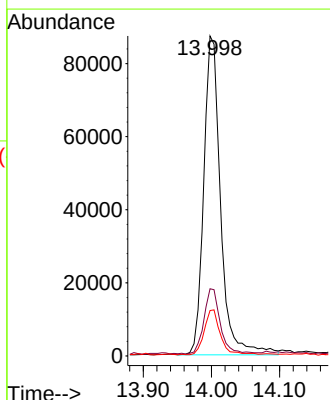
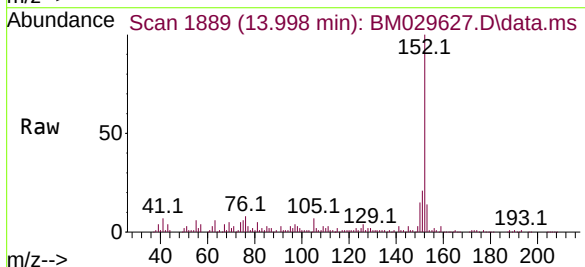
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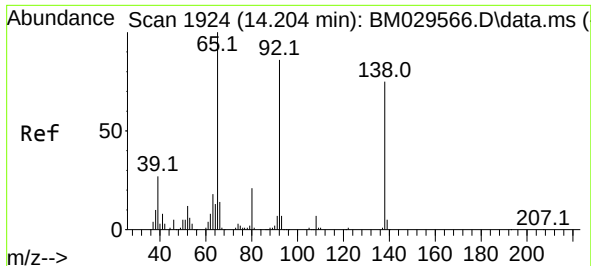
Tgt Ion: 65 Resp: 604
Ion Ratio Lower Upper
65 100
92 130.3 55.5 83.3#
138 29.1 85.7 128.5#



#49
Acenaphthylene
Concen: 7.43 ng
RT: 13.998 min Scan# 1889
Delta R.T. -0.000 min
Lab File: BM029627.D
Acq: 23 Apr 2021 23:45

Tgt Ion:152 Resp: 150515
Ion Ratio Lower Upper
152 100
151 21.0 16.3 24.5
153 14.2 10.2 15.4

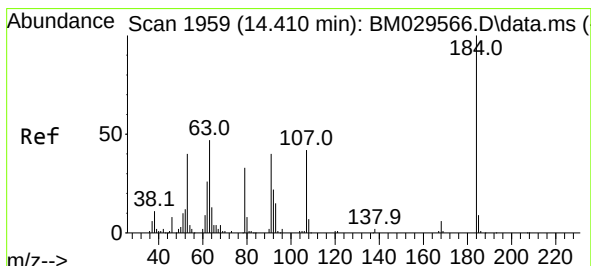
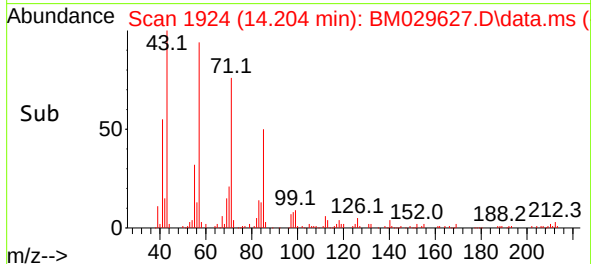
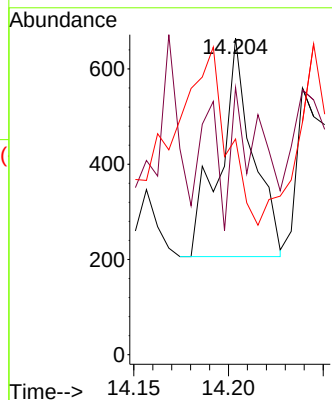
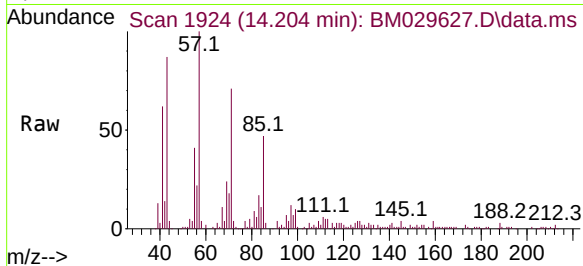




#53
3-Nitroaniline
Concen: 3.13 ng
RT: 14.204 min Scan# 1924
Delta R.T. 0.012 min
Lab File: BM029627.D
Acq: 23 Apr 2021 23:45

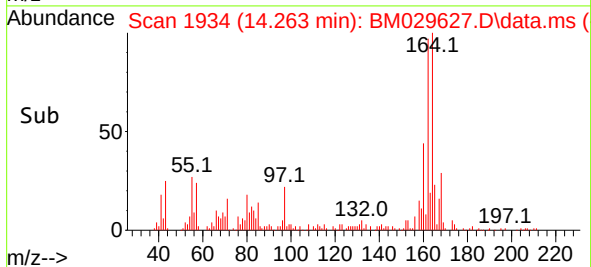
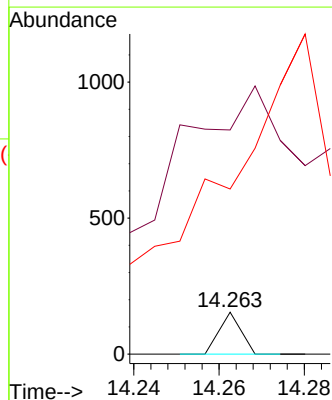
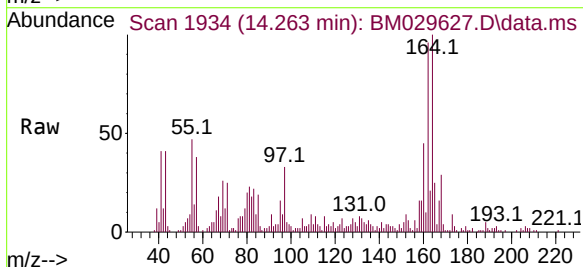
Instrument :
BNA_M
ClientSampleId :
HD-01-042221

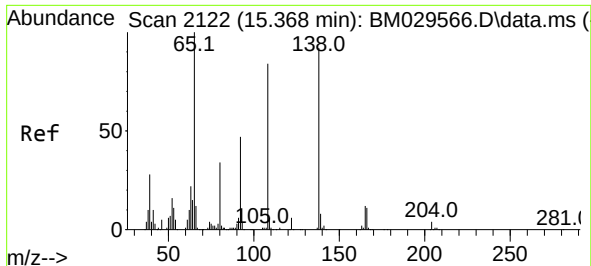
Tgt Ion:138 Resp: 551
Ion Ratio Lower Upper
138 100
108 84.4 7.7 11.5#
92 68.1 92.6 138.8#



#54
2,4-Dinitrophenol
Concen: 4.39 ng
RT: 14.263 min Scan# 1934
Delta R.T. -0.135 min
Lab File: BM029627.D
Acq: 23 Apr 2021 23:45

Tgt Ion:184 Resp: 54
Ion Ratio Lower Upper
184 100
63 535.1 54.2 81.2#
154 394.2 56.1 84.1#

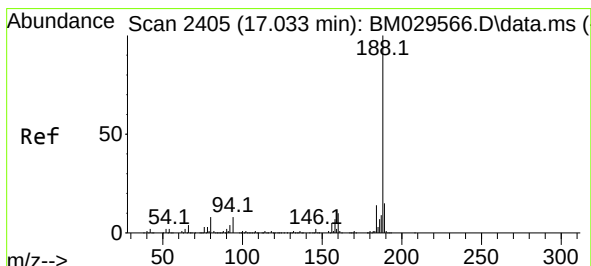
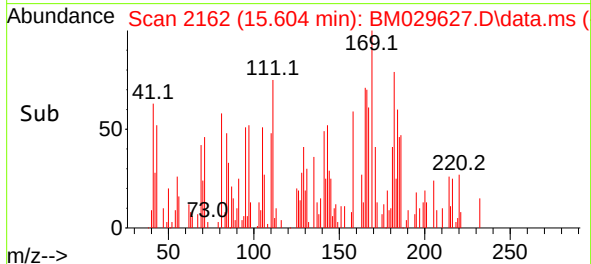
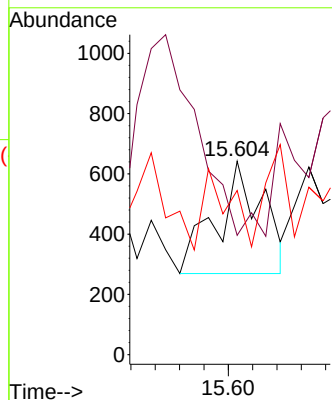
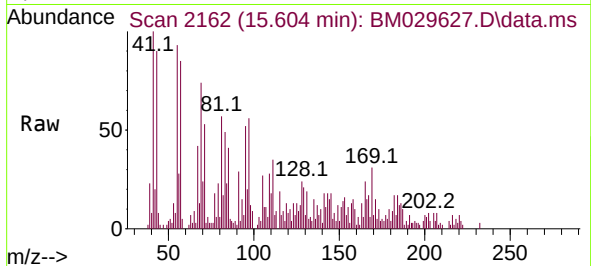




#62
4-Nitroaniline
Concen: 3.58 ng
RT: 15.604 min Scan# 2162
Delta R.T. 0.247 min
Lab File: BM029627.D
Acq: 23 Apr 2021 23:45

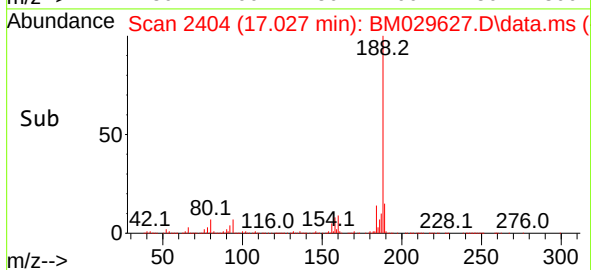
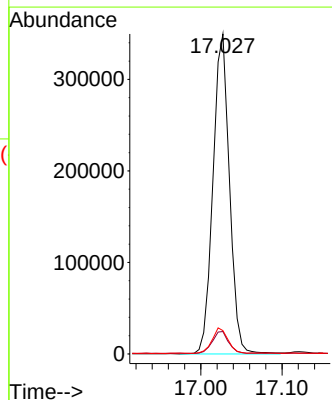
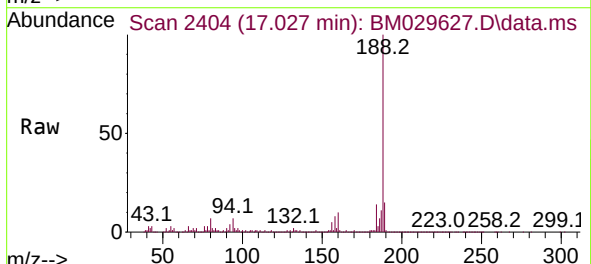
Instrument :
BNA_M
ClientSampleId :
HD-01-042221

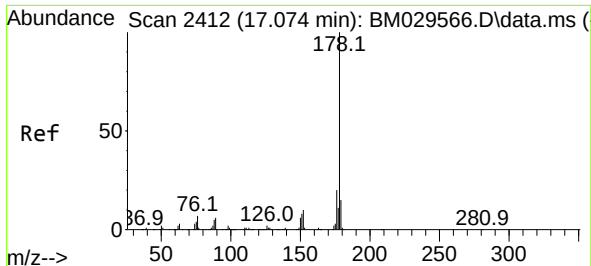
Tgt Ion:138 Resp: 491
Ion Ratio Lower Upper
138 100
92 61.7 33.4 73.4
108 84.9 75.5 115.5



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.027 min Scan# 2404
Delta R.T. 0.006 min
Lab File: BM029627.D
Acq: 23 Apr 2021 23:45

Tgt Ion:188 Resp: 493766
Ion Ratio Lower Upper
188 100
94 7.0 6.0 9.0
80 7.3 6.6 9.8

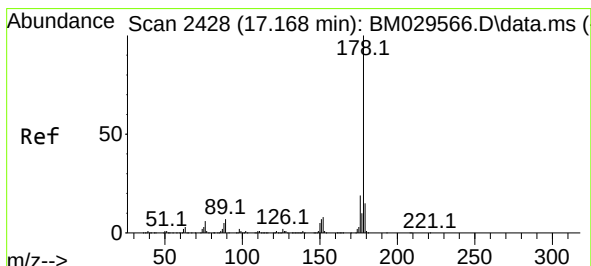
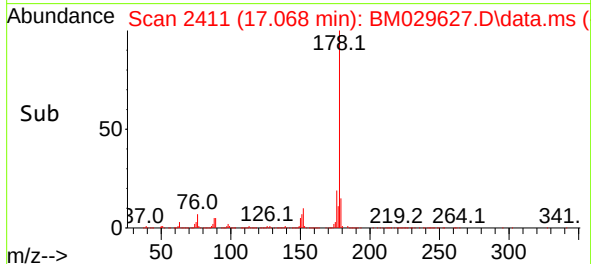
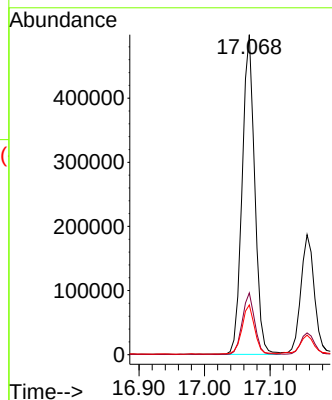
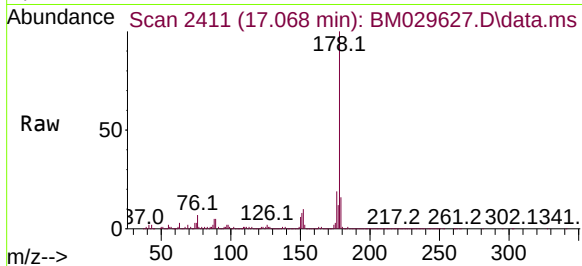




#71
Phenanthrene
Concen: 23.41 ng
RT: 17.068 min Scan# 2411
Delta R.T. 0.006 min
Lab File: BM029627.D
Acq: 23 Apr 2021 23:45

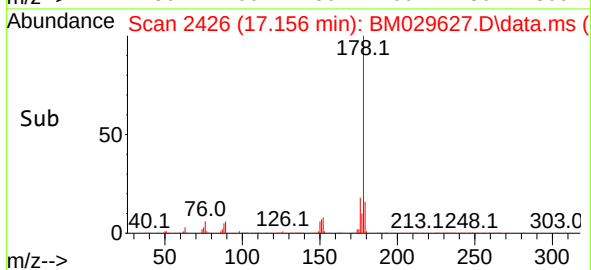
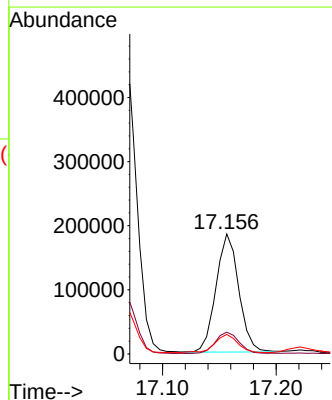
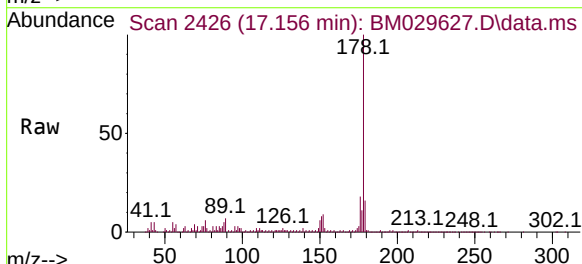
Instrument :
BNA_M
ClientSampleId :
HD-01-042221

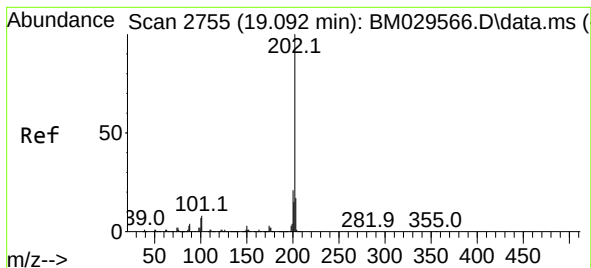
Tgt Ion:178 Resp: 665676
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.0
179 15.6 12.2 18.4



#72
Anthracene
Concen: 9.14 ng
RT: 17.156 min Scan# 2426
Delta R.T. -0.000 min
Lab File: BM029627.D
Acq: 23 Apr 2021 23:45

Tgt Ion:178 Resp: 256425
Ion Ratio Lower Upper
178 100
176 18.1 15.0 22.4
179 16.3 12.5 18.7

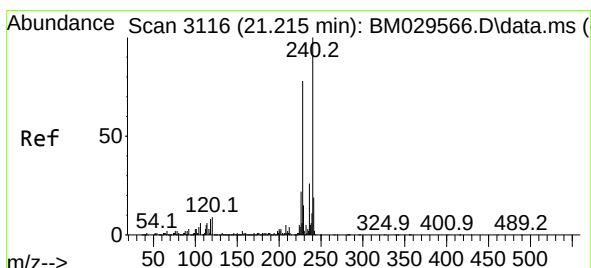
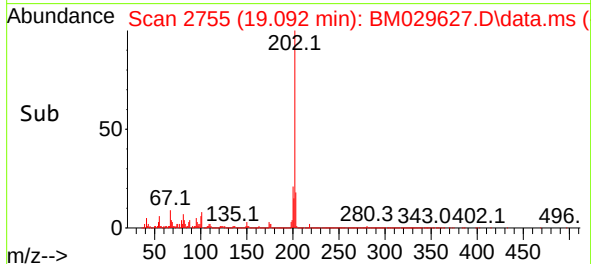
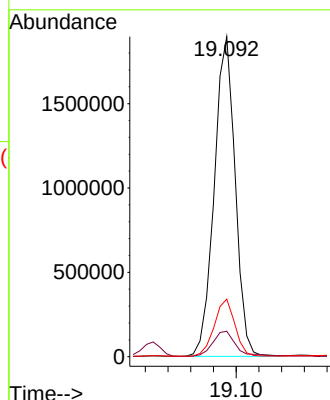
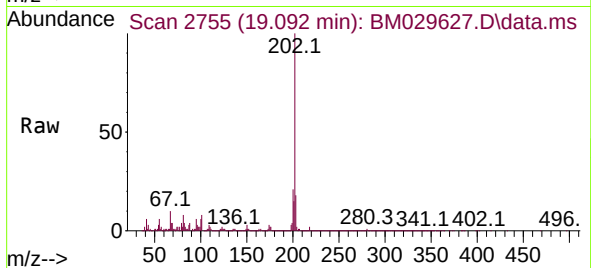




#75
Fluoranthene
Concen: 70.46 ng
RT: 19.092 min Scan# 2755
Delta R.T. 0.012 min
Lab File: BM029627.D
Acq: 23 Apr 2021 23:45

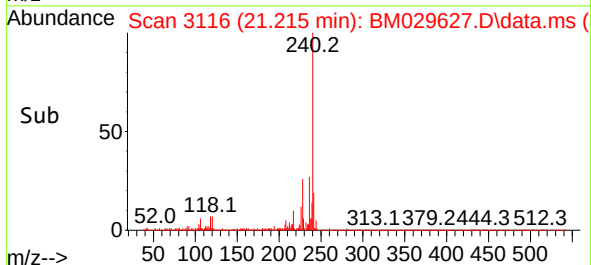
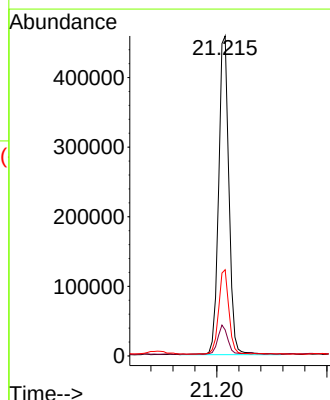
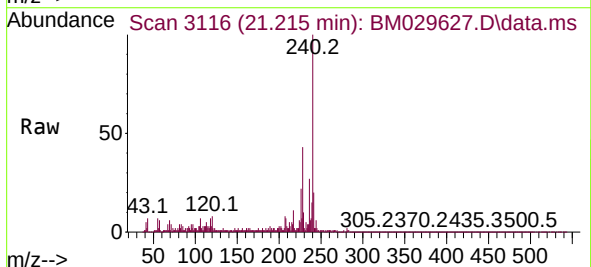
Instrument :
BNA_M
ClientSampleId :
HD-01-042221

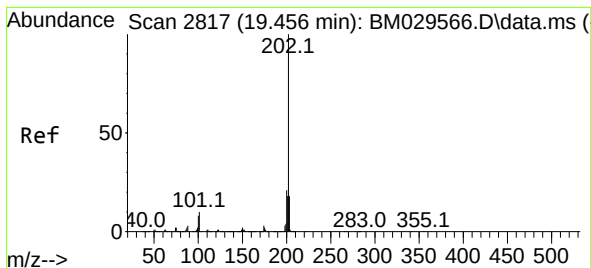
Tgt Ion:202 Resp: 2429316
Ion Ratio Lower Upper
202 100
101 8.0 0.0 28.6
203 18.0 0.0 37.3



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.215 min Scan# 3116
Delta R.T. 0.012 min
Lab File: BM029627.D
Acq: 23 Apr 2021 23:45

Tgt Ion:240 Resp: 596278
Ion Ratio Lower Upper
240 100
120 8.1 7.0 10.6
236 26.9 21.0 31.4





#78

Pyrene

Concen: 51.06 ng

RT: 19.456 min Scan# 2817

Delta R.T. 0.012 min

Lab File: BM029627.D

Acq: 23 Apr 2021 23:45

Tgt Ion:202 Resp: 1958888

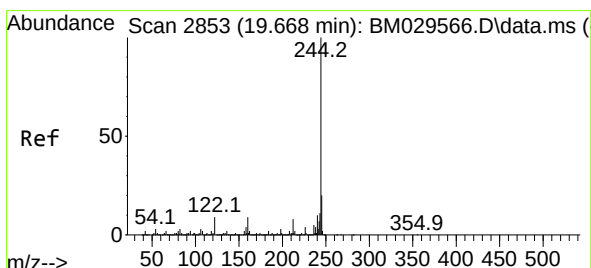
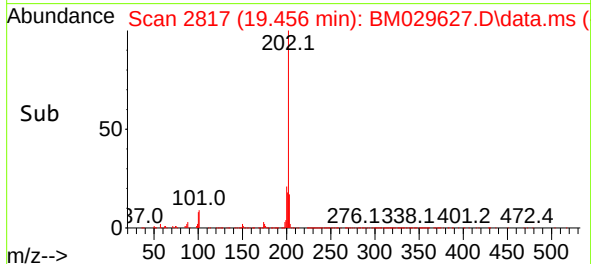
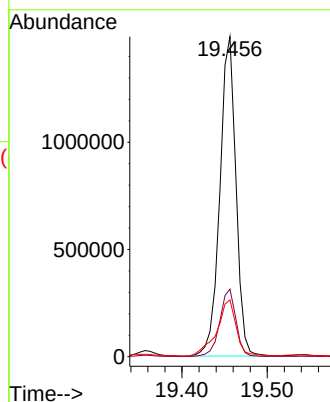
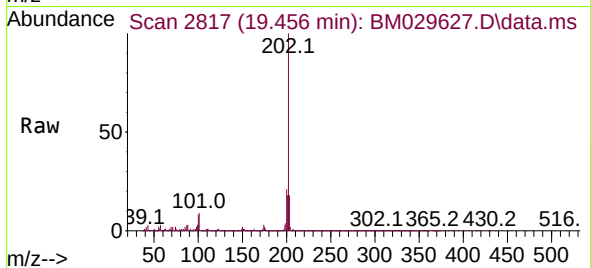
Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.3	25.9
203	17.7	13.9	20.9

Instrument :

BNA_M

ClientSampleId :

HD-01-042221



#79

Terphenyl-d14

Concen: 10.27 ng

RT: 19.662 min Scan# 2852

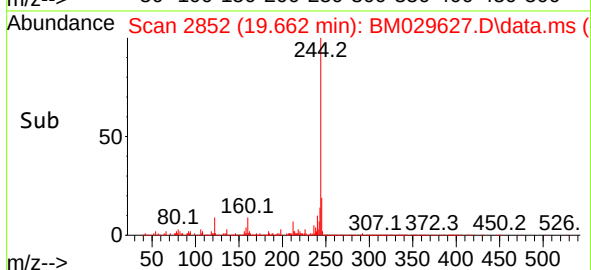
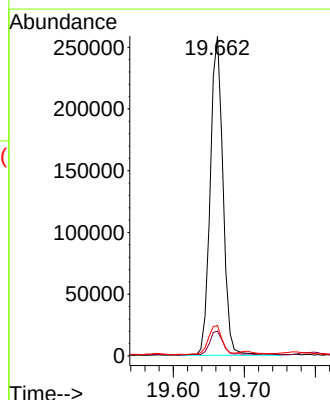
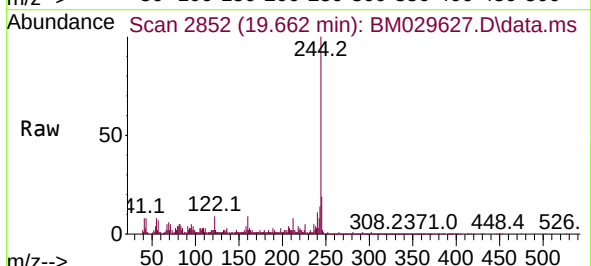
Delta R.T. 0.006 min

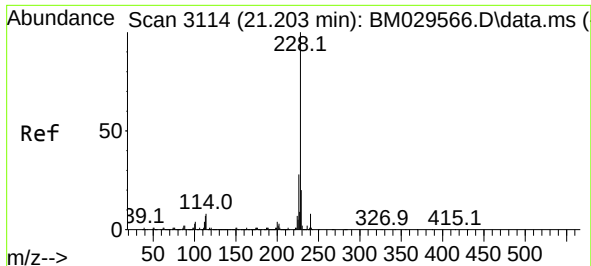
Lab File: BM029627.D

Acq: 23 Apr 2021 23:45

Tgt Ion:244 Resp: 322980

Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.3	9.5
122	9.5	6.9	10.3

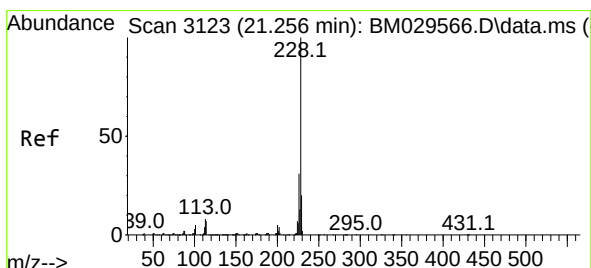
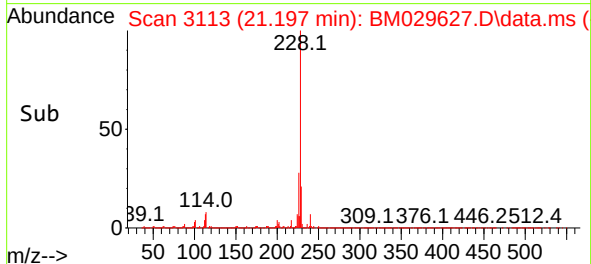
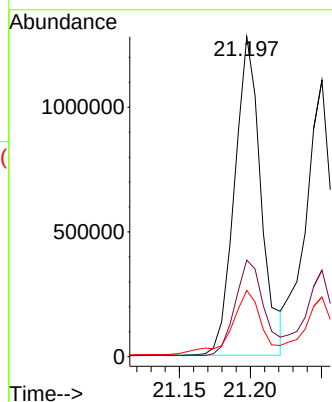
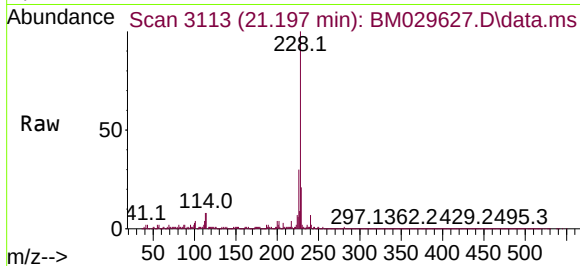




#81
Benzo(a)anthracene
Concen: 41.91 ng
RT: 21.197 min Scan# 3113
Delta R.T. 0.006 min
Lab File: BM029627.D
Acq: 23 Apr 2021 23:45

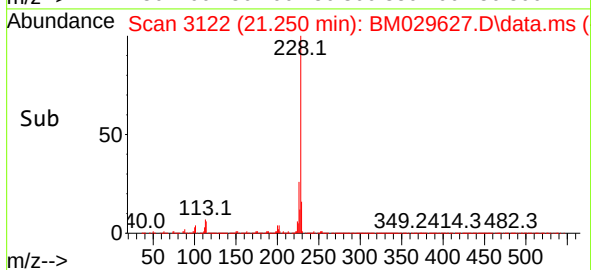
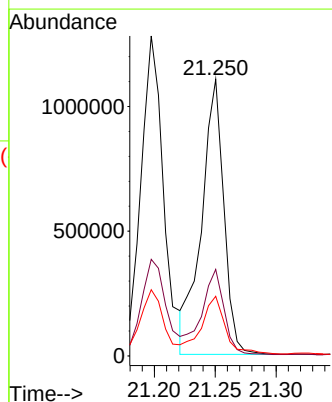
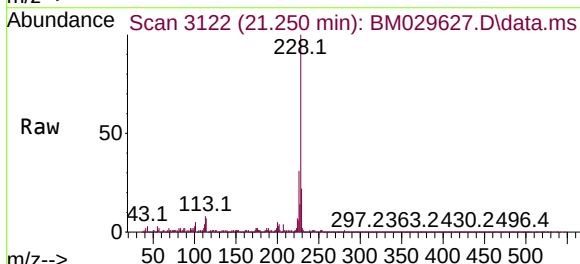
Instrument :
BNA_M
ClientSampleId :
HD-01-042221

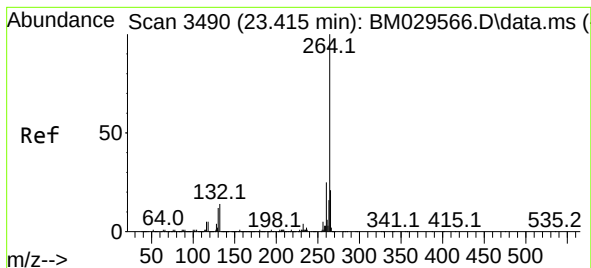
Tgt Ion:228 Resp: 1653144
Ion Ratio Lower Upper
228 100
226 30.2 22.3 33.5
229 20.7 15.7 23.5



#83
Chrysene
Concen: 36.40 ng
RT: 21.250 min Scan# 3122
Delta R.T. 0.006 min
Lab File: BM029627.D
Acq: 23 Apr 2021 23:45

Tgt Ion:228 Resp: 1411116
Ion Ratio Lower Upper
228 100
226 31.3 24.6 36.8
229 21.6 15.5 23.3





#86

Perylene-d12

Concen: 20.00 ng

RT: 23.409 min Scan# 3489

Delta R.T. 0.017 min

Lab File: BM029627.D

Acq: 23 Apr 2021 23:45

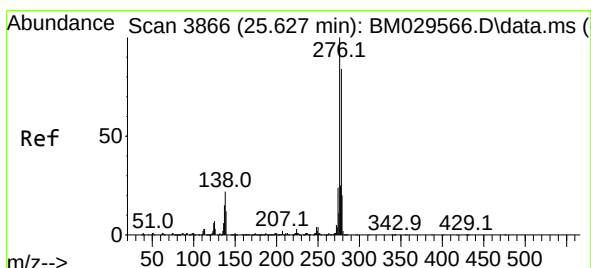
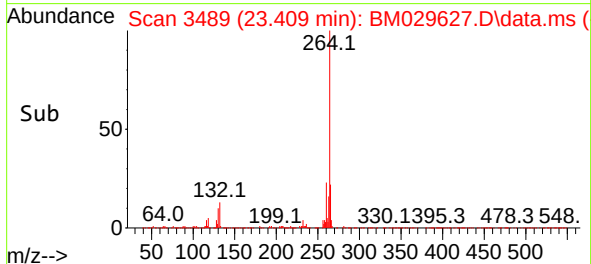
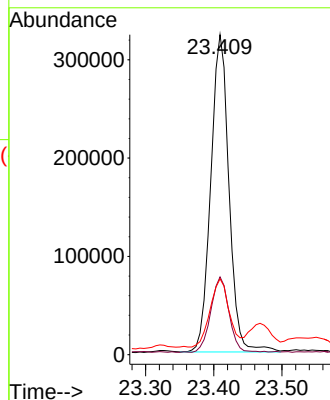
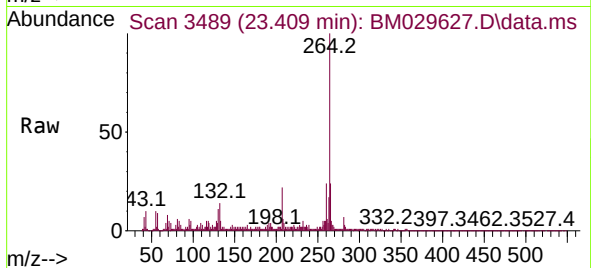
Instrument :

BNA_M

ClientSampleId :

HD-01-042221

Tgt Ion:	264	Resp:	601005
Ion Ratio	Lower	Upper	
264	100		
260	24.3	19.8	29.8
265	23.7	17.7	26.5



#87

Indeno(1,2,3-cd)pyrene

Concen: 23.17 ng

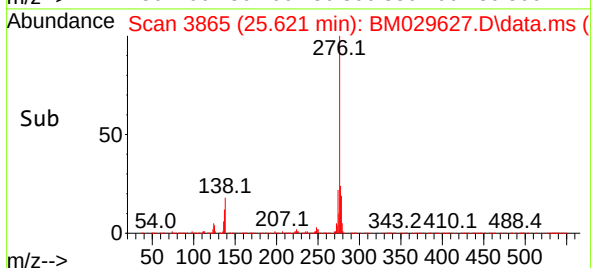
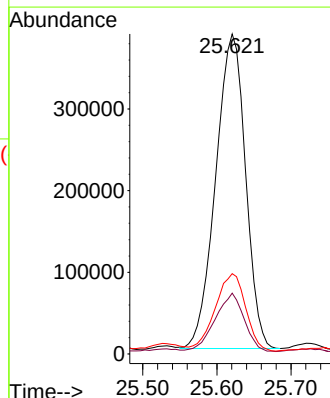
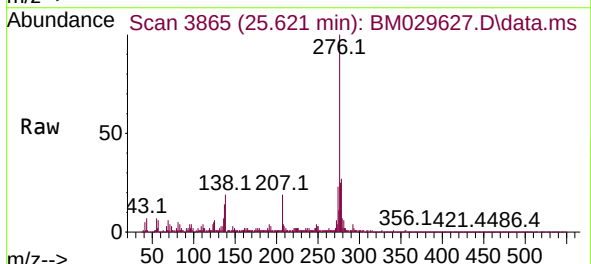
RT: 25.621 min Scan# 3865

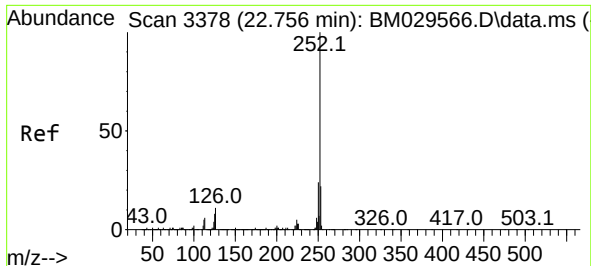
Delta R.T. 0.023 min

Lab File: BM029627.D

Acq: 23 Apr 2021 23:45

Tgt Ion:	276	Resp:	1076785
Ion Ratio	Lower	Upper	
276	100		
138	18.4	17.1	25.7
277	25.2	20.3	30.5

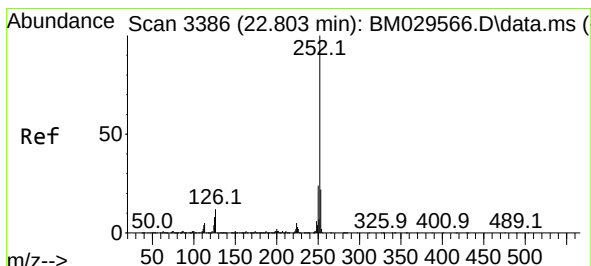
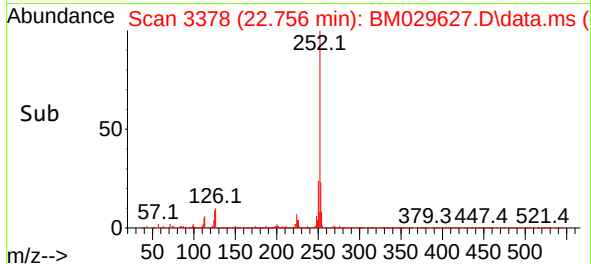
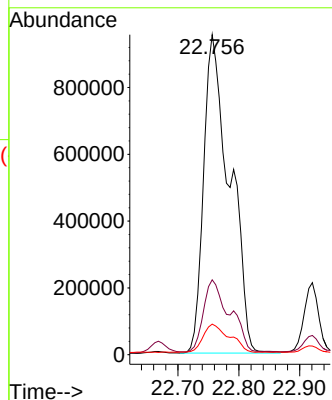
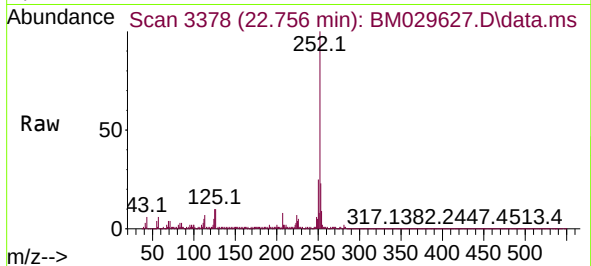




#88
Benzo(b)fluoranthene
Concen: 72.64 ng
RT: 22.756 min Scan# 3378
Delta R.T. 0.017 min
Lab File: BM029627.D
Acq: 23 Apr 2021 23:45

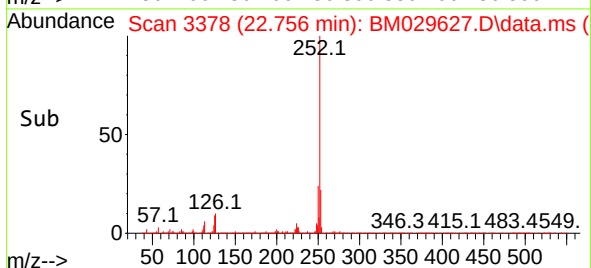
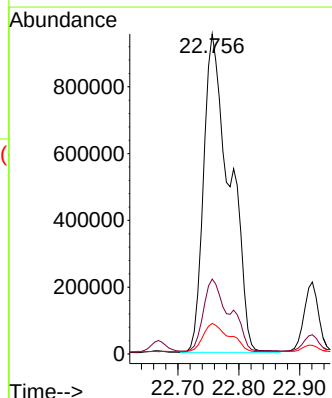
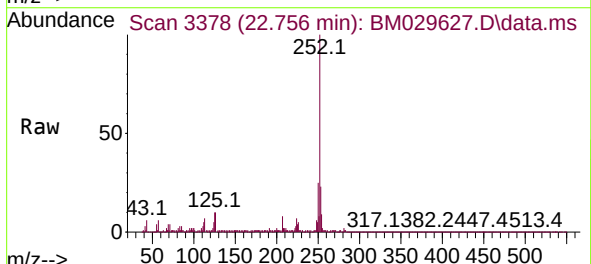
Instrument :
BNA_M
ClientSampleId :
HD-01-042221

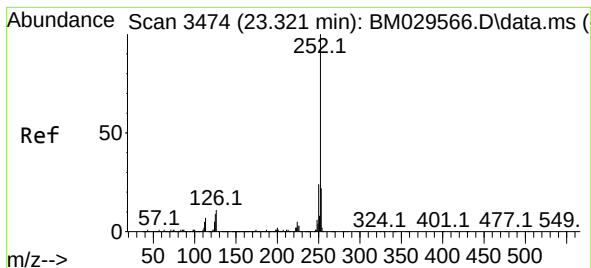
Tgt Ion:252 Resp: 2846878
Ion Ratio Lower Upper
252 100
253 23.4 17.4 26.0
125 9.5 6.8 10.2



#89
Benzo(k)fluoranthene
Concen: 72.48 ng
RT: 22.756 min Scan# 3378
Delta R.T. -0.030 min
Lab File: BM029627.D
Acq: 23 Apr 2021 23:45

Tgt Ion:252 Resp: 2846878
Ion Ratio Lower Upper
252 100
253 23.4 17.4 26.2
125 9.5 6.2 9.2#

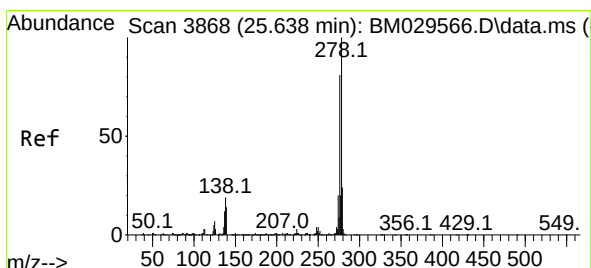
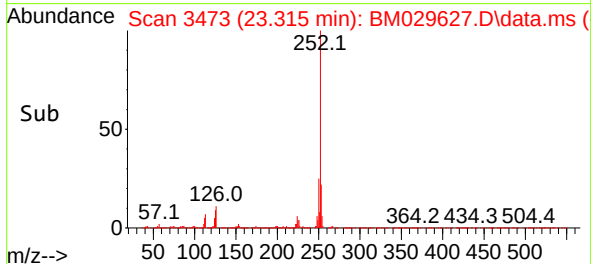
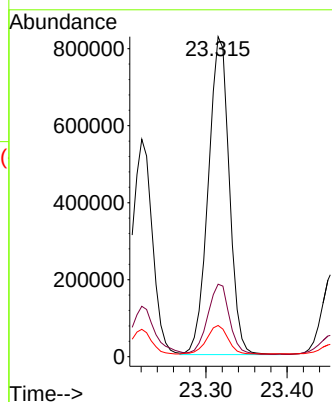
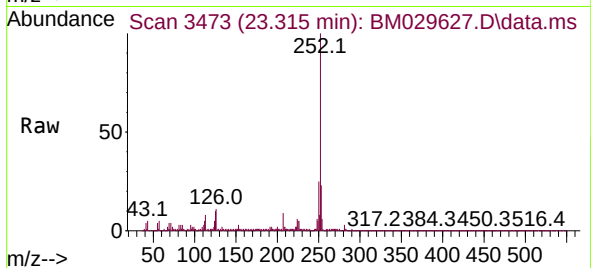




#90
Benzo(a)pyrene
Concen: 40.36 ng
RT: 23.315 min Scan# 3473
Delta R.T. 0.017 min
Lab File: BM029627.D
Acq: 23 Apr 2021 23:45

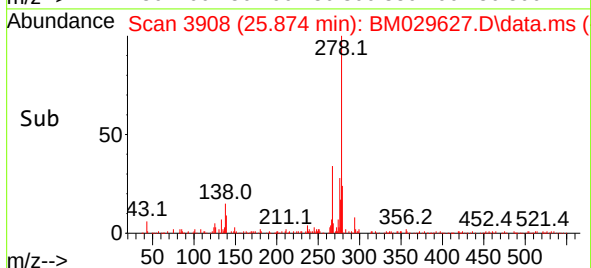
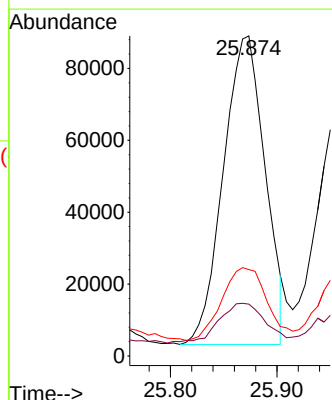
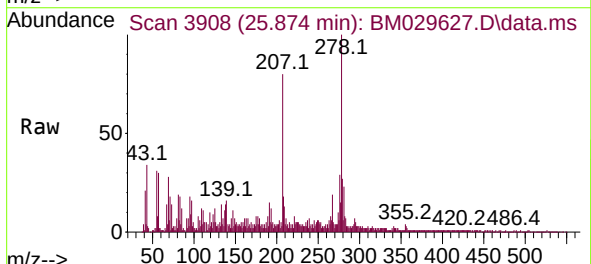
Instrument :
BNA_M
ClientSampleId :
HD-01-042221

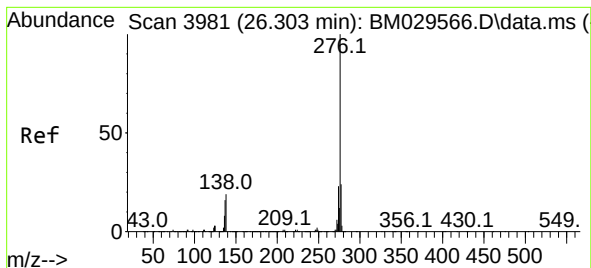
Tgt Ion:252 Resp: 1485310
Ion Ratio Lower Upper
252 100
253 22.7 17.7 26.5
125 9.8 7.3 10.9



#91
Dibenzo(a,h)anthracene
Concen: 5.81 ng
RT: 25.874 min Scan# 3908
Delta R.T. 0.264 min
Lab File: BM029627.D
Acq: 23 Apr 2021 23:45

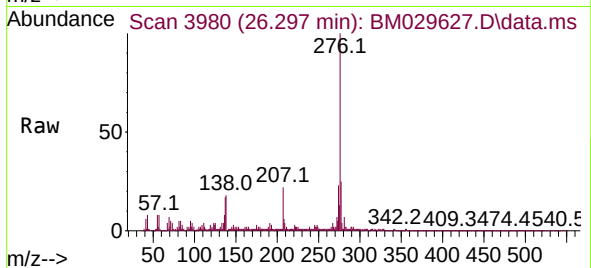
Tgt Ion:278 Resp: 232928
Ion Ratio Lower Upper
278 100
139 16.2 11.0 16.4
279 27.0 18.7 28.1





#92
Benzo(g,h,i)perylene
Concen: 27.24 ng
RT: 26.297 min Scan# 3980
Delta R.T. 0.029 min
Lab File: BM029627.D
Acq: 23 Apr 2021 23:45

Instrument :
BNA_M
ClientSampleId :
HD-01-042221



Tgt Ion:276 Resp: 1009271
Ion Ratio Lower Upper
276 100
277 24.8 19.4 29.2
138 18.2 14.4 21.6

