

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051922\
 Data File : BM035166.D
 Acq On : 19 May 2022 23:23
 Operator : CG/JU
 Sample : N2942-01 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 RATZER-RD-SP

Quant Time: May 20 04:57:14 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 20 04:53:59 2022
 Response via : Initial Calibration

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

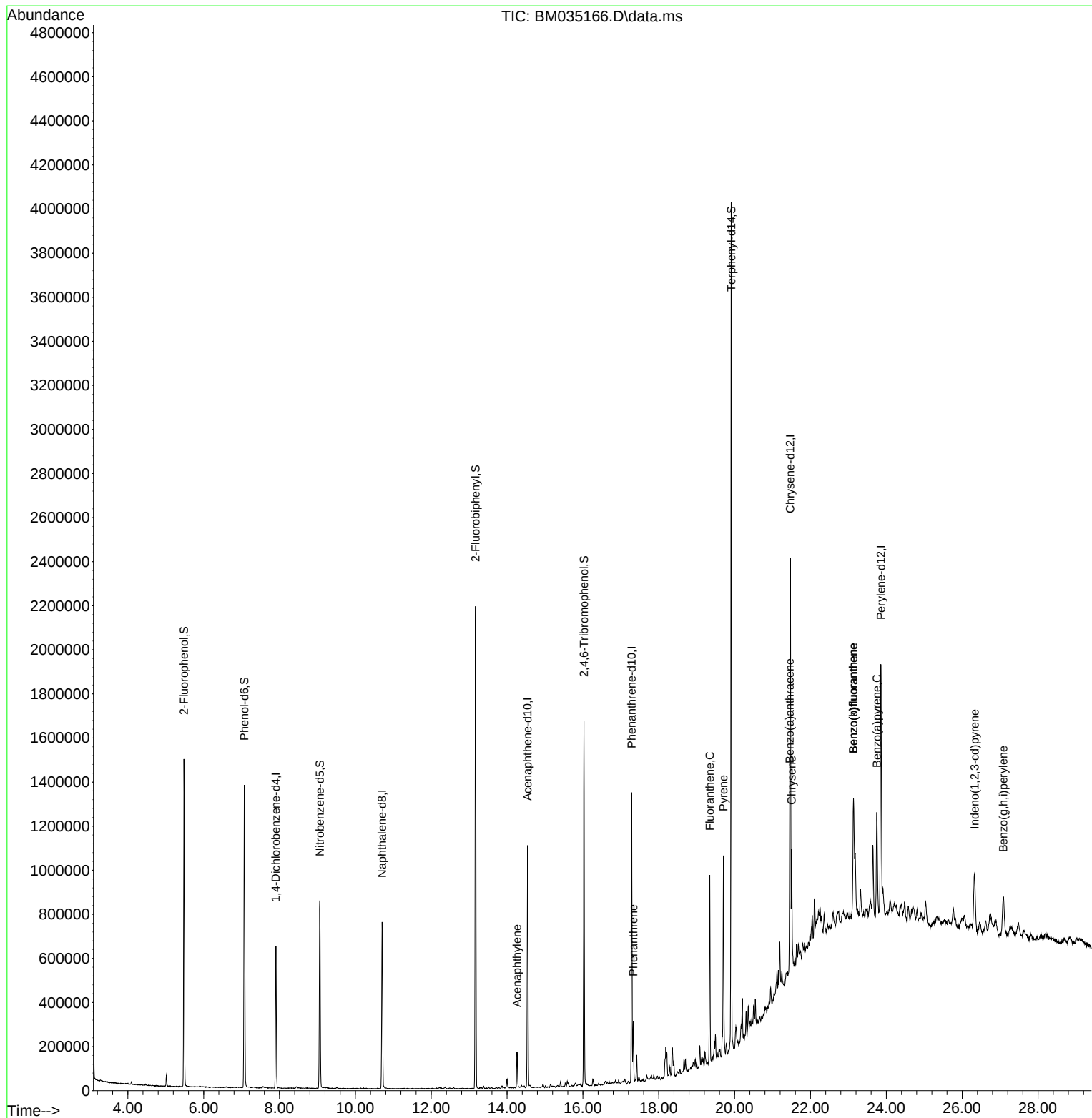
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.904	152	165379	20.000	ng	0.00
21) Naphthalene-d8	10.704	136	612614	20.000	ng	0.00
39) Acenaphthene-d10	14.539	164	361272	20.000	ng	0.00
64) Phenanthrene-d10	17.286	188	742966	20.000	ng	0.00
76) Chrysene-d12	21.468	240	754444	20.000	ng	0.00
86) Perylene-d12	23.856	264	814550	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	573229	61.151	ng	0.00
7) Phenol-d6	7.075	99	723122	59.755	ng	0.00
23) Nitrobenzene-d5	9.063	82	474786	41.852	ng	0.00
42) 2,4,6-Tribromophenol	16.027	330	260617	66.316	ng	0.00
45) 2-Fluorobiphenyl	13.169	172	1074512	43.176	ng	0.00
79) Terphenyl-d14	19.909	244	1634852	41.957	ng	0.00
Target Compounds						
						Qvalue
49) Acenaphthylene	14.263	152	124933	3.826	ng	98
71) Phenanthrene	17.327	178	160895	3.886	ng	99
75) Fluoranthene	19.345	202	482763	10.618	ng	98
78) Pyrene	19.704	202	512000	10.262	ng	99
81) Benzo(a)anthracene	21.450	228	292773	5.816	ng	97
83) Chrysene	21.503	228	300283	6.245	ng	97
87) Indeno(1,2,3-cd)pyrene	26.327	276	237641	3.837	ng	95
88) Benzo(b)fluoranthene	23.133	252	594925	11.612	ng	95
89) Benzo(k)fluoranthene	23.133	252	594925	11.471	ng	95
90) Benzo(a)pyrene	23.750	252	322756	7.583	ng	97
92) Benzo(g,h,i)perylene	27.085	276	232744	4.663	ng	96

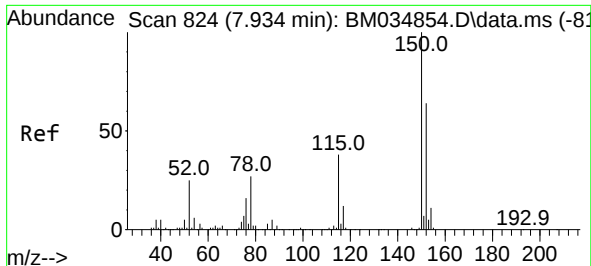
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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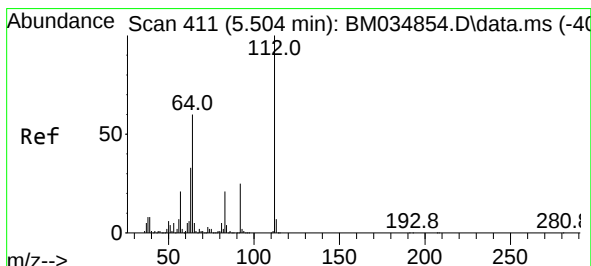
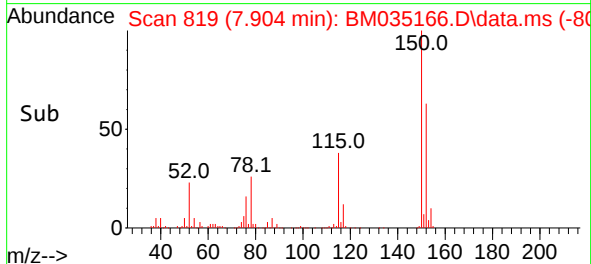
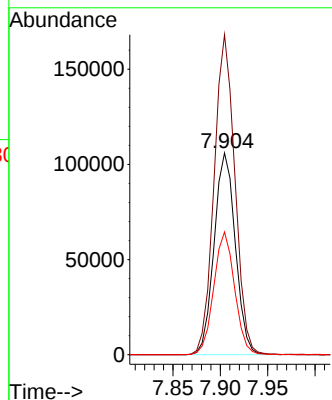
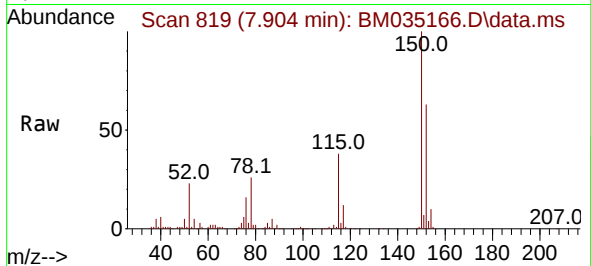




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.904 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: BM035166.D
 Acq: 19 May 2022 23:23

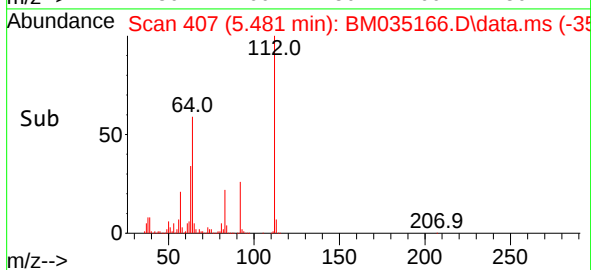
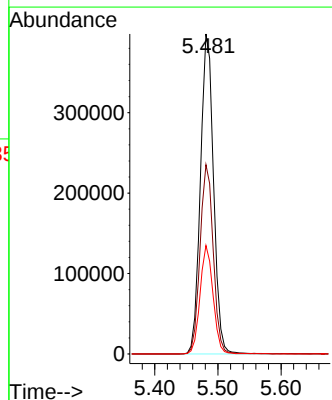
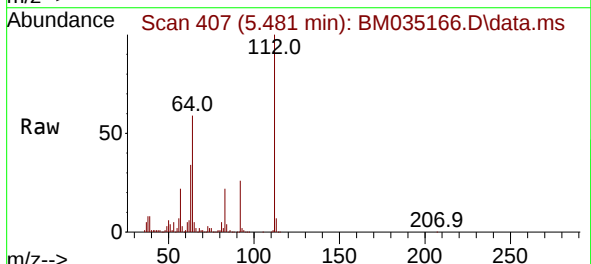
Instrument :
 BNA_M
 ClientSampleId :
 RATZER-RD-SP

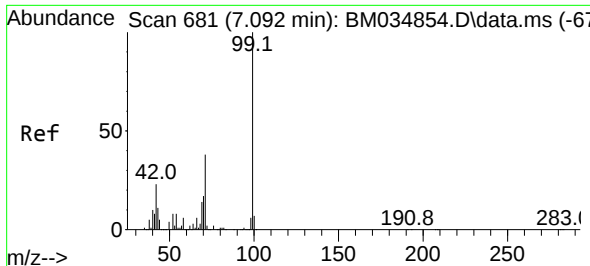
Tgt Ion:152 Resp: 165379
 Ion Ratio Lower Upper
 152 100
 150 158.6 124.9 187.3
 115 60.8 47.9 71.9



#5
 2-Fluorophenol
 Concen: 61.151 ng
 RT: 5.481 min Scan# 407
 Delta R.T. 0.000 min
 Lab File: BM035166.D
 Acq: 19 May 2022 23:23

Tgt Ion:112 Resp: 573229
 Ion Ratio Lower Upper
 112 100
 64 59.1 47.8 71.6
 63 33.9 26.6 40.0

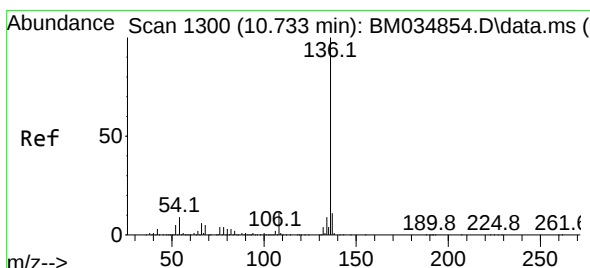
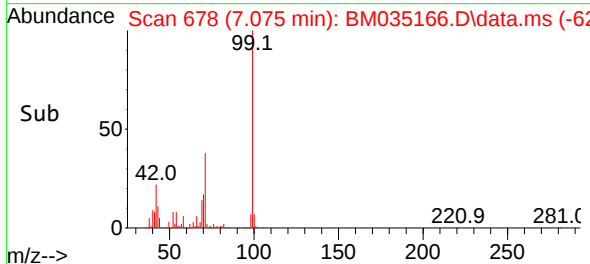
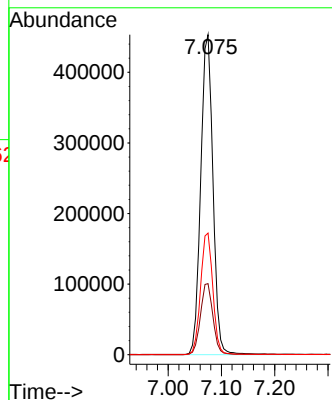
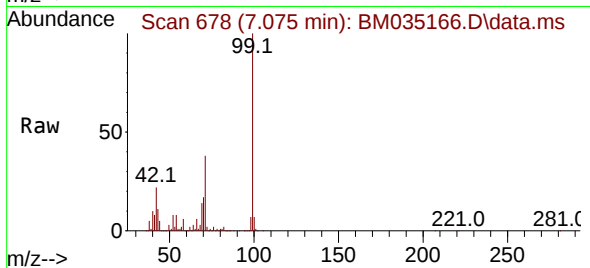




#7
Phenol-d6
Concen: 59.755 ng
RT: 7.075 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM035166.D
Acq: 19 May 2022 23:23

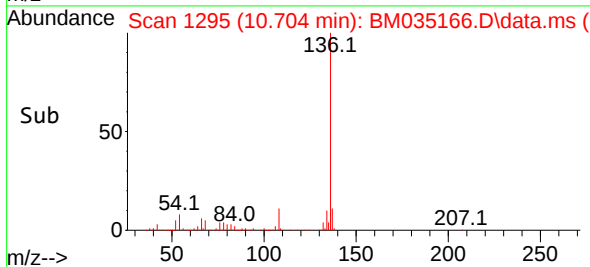
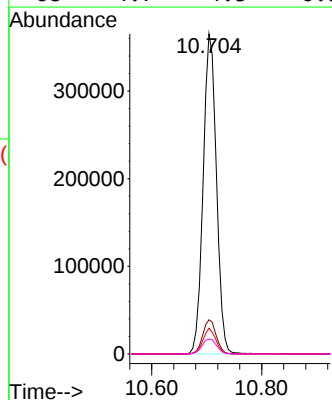
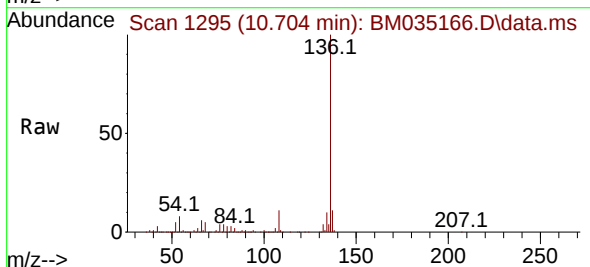
Instrument :
BNA_M
ClientSampleId :
RATZER-RD-SP

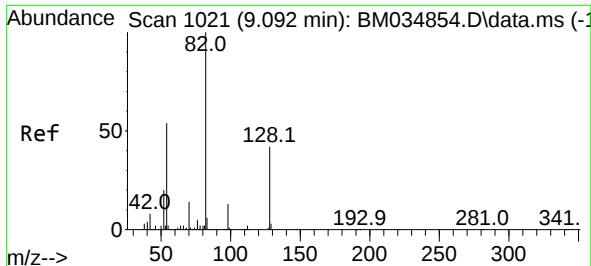
Tgt Ion: 99 Resp: 723122
Ion Ratio Lower Upper
99 100
42 22.2 18.8 28.2
71 38.0 30.2 45.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.704 min Scan# 1295
Delta R.T. -0.006 min
Lab File: BM035166.D
Acq: 19 May 2022 23:23

Tgt Ion: 136 Resp: 612614
Ion Ratio Lower Upper
136 100
137 10.7 8.9 13.3
54 8.1 7.0 10.4
68 4.7 4.3 6.5

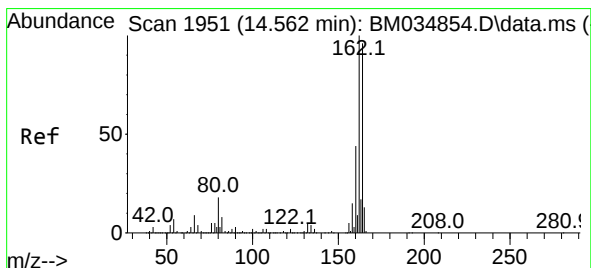
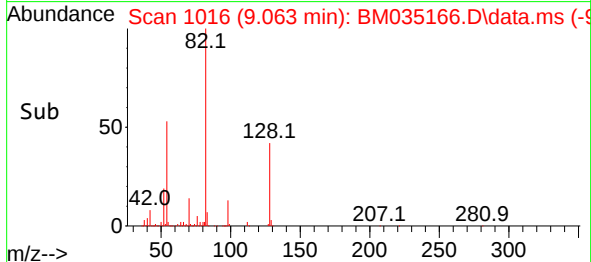
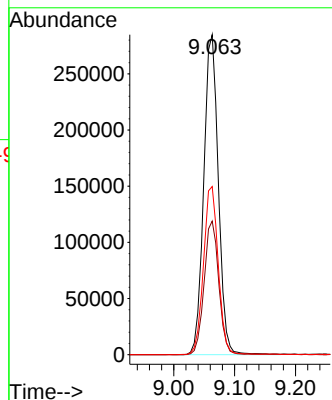
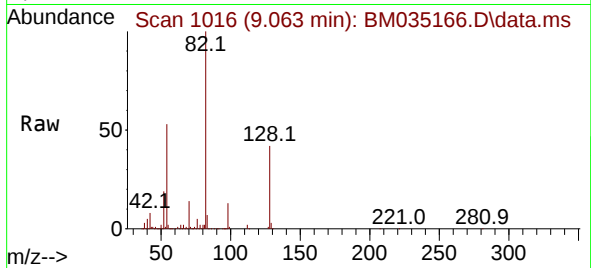




#23
Nitrobenzene-d5
Concen: 41.852 ng
RT: 9.063 min Scan# 1016
Delta R.T. 0.000 min
Lab File: BM035166.D
Acq: 19 May 2022 23:23

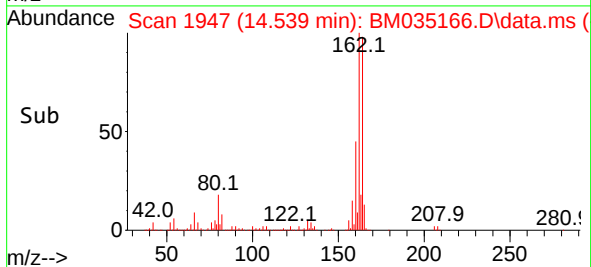
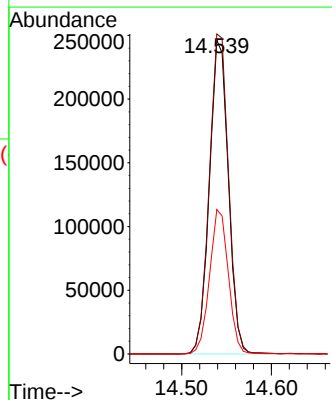
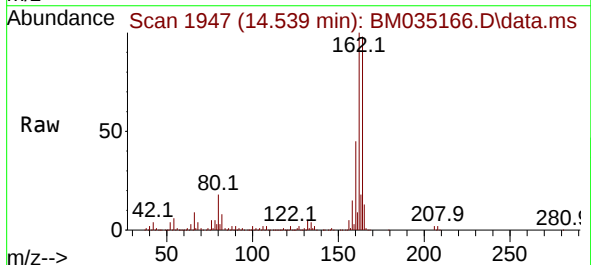
Instrument :
BNA_M
ClientSampleId :
RATZER-RD-SP

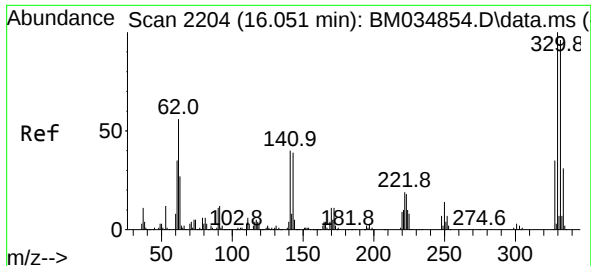
Tgt Ion: 82 Resp: 474786
Ion Ratio Lower Upper
82 100
128 41.7 33.7 50.5
54 52.5 43.2 64.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.539 min Scan# 1947
Delta R.T. -0.006 min
Lab File: BM035166.D
Acq: 19 May 2022 23:23

Tgt Ion: 164 Resp: 361272
Ion Ratio Lower Upper
164 100
162 101.9 83.0 124.6
160 46.0 37.0 55.4

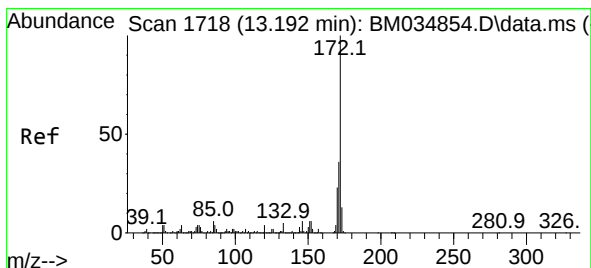
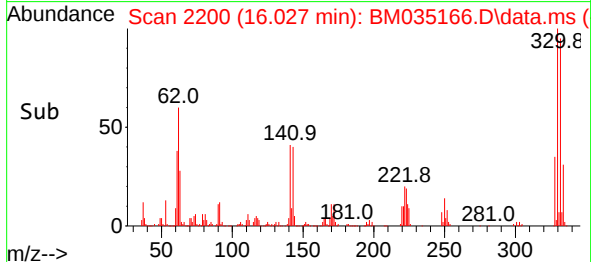
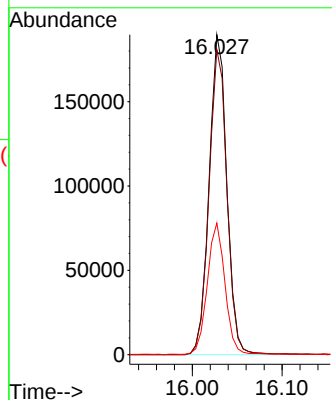
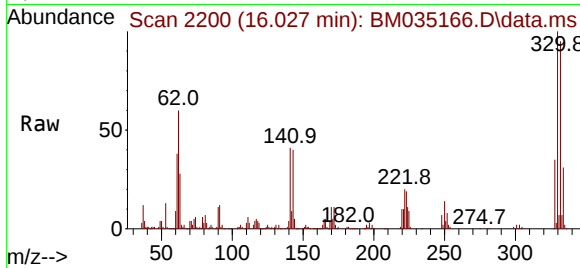




#42
2,4,6-Tribromophenol
Concen: 66.316 ng
RT: 16.027 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM035166.D
Acq: 19 May 2022 23:23

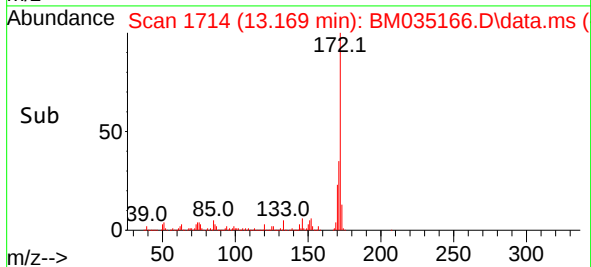
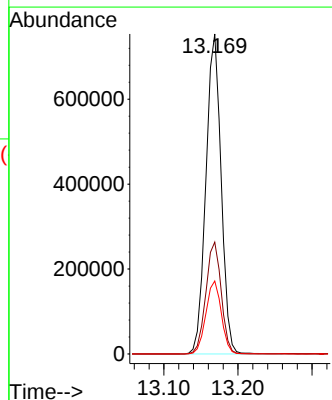
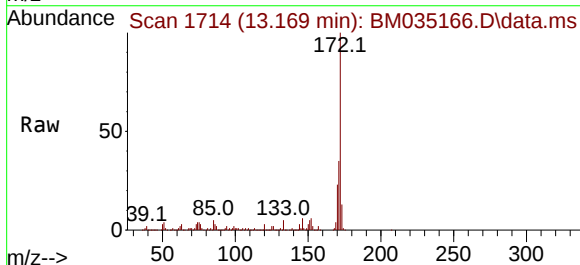
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BNA_M
ClientSampleId :
RATZER-RD-SP

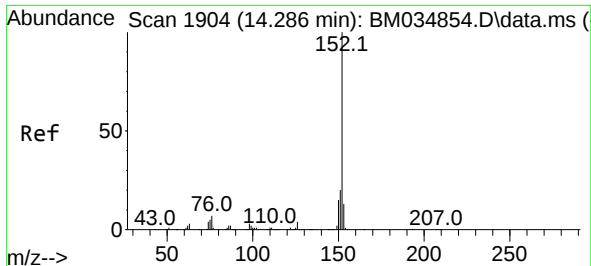
Tgt Ion:330 Resp: 260617
Ion Ratio Lower Upper
330 100
332 96.2 77.0 115.4
141 41.2 35.3 52.9



#45
2-Fluorobiphenyl
Concen: 43.176 ng
RT: 13.169 min Scan# 1714
Delta R.T. 0.000 min
Lab File: BM035166.D
Acq: 19 May 2022 23:23

Tgt Ion:172 Resp: 1074512
Ion Ratio Lower Upper
172 100
171 35.0 28.5 42.7
170 22.8 18.7 28.1

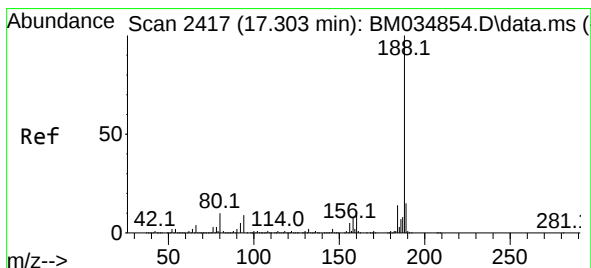
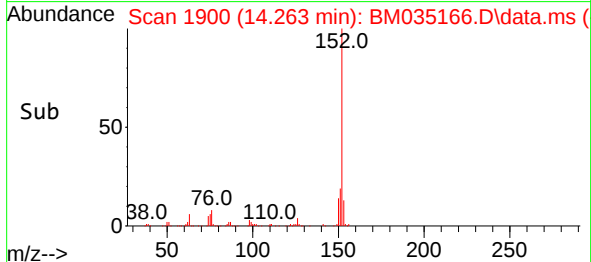
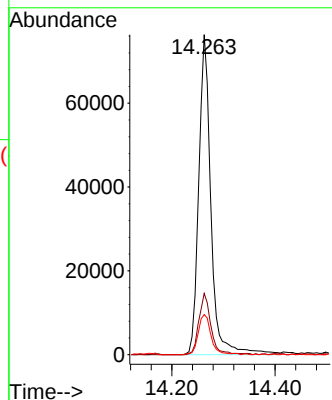
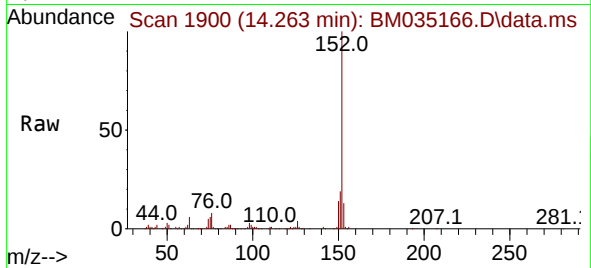




#49
Acenaphthylene
Concen: 3.826 ng
RT: 14.263 min Scan# 1900
Delta R.T. 0.000 min
Lab File: BM035166.D
Acq: 19 May 2022 23:23

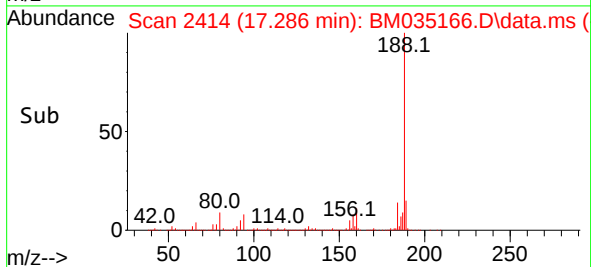
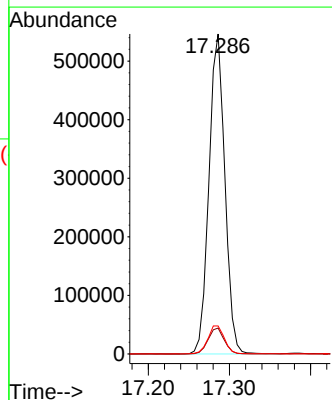
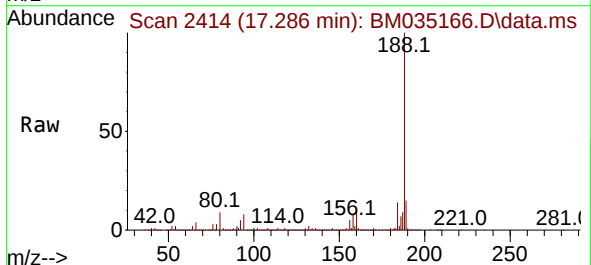
Instrument :
BNA_M
ClientSampleId :
RATZER-RD-SP

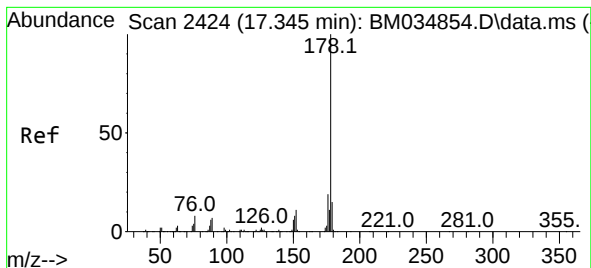
Tgt Ion:152 Resp: 124933
Ion Ratio Lower Upper
152 100
151 19.1 16.2 24.2
153 12.6 10.5 15.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.286 min Scan# 2414
Delta R.T. 0.000 min
Lab File: BM035166.D
Acq: 19 May 2022 23:23

Tgt Ion:188 Resp: 742966
Ion Ratio Lower Upper
188 100
94 8.1 7.0 10.4
80 8.7 7.6 11.4





#71

Phenanthrene

Concen: 3.886 ng

RT: 17.327 min Scan# 24

Delta R.T. 0.000 min

Lab File: BM035166.D

Acq: 19 May 2022 23:23

Instrument :

BNA_M

ClientSampleId :

RATZER-RD-SP

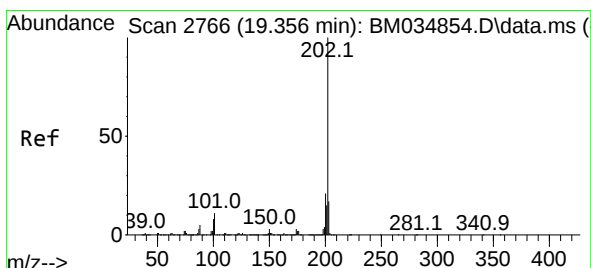
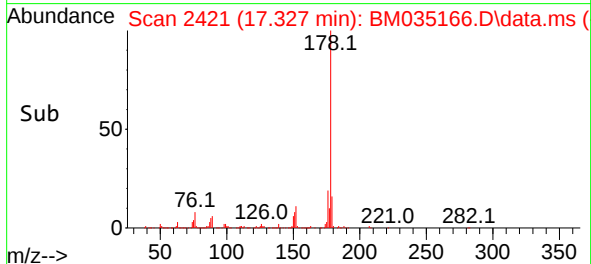
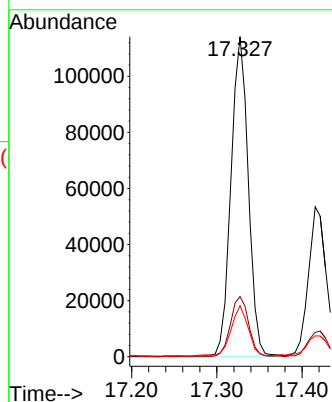
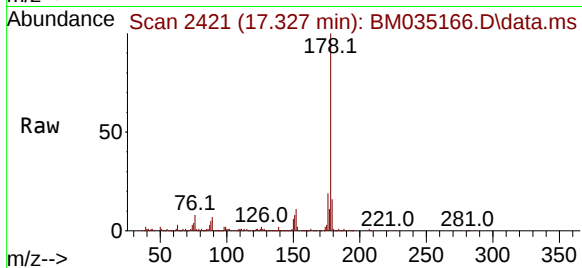
Tgt Ion:178 Resp: 160895

Ion Ratio Lower Upper

178 100

176 18.8 15.4 23.0

179 15.9 12.4 18.6



#75

Fluoranthene

Concen: 10.618 ng

RT: 19.345 min Scan# 2764

Delta R.T. 0.000 min

Lab File: BM035166.D

Acq: 19 May 2022 23:23

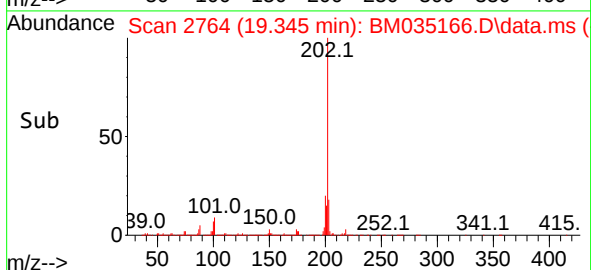
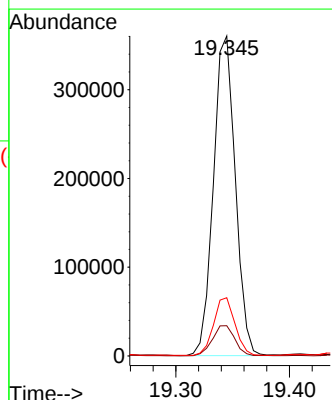
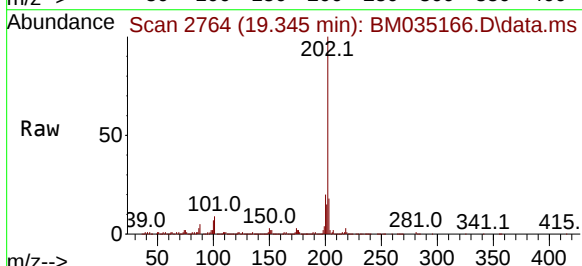
Tgt Ion:202 Resp: 482763

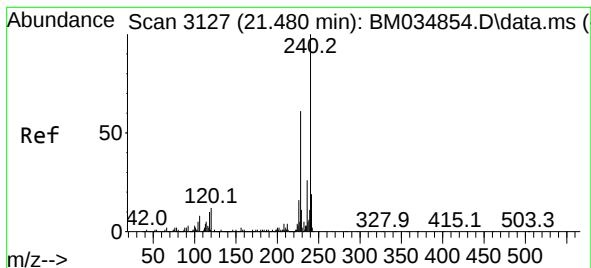
Ion Ratio Lower Upper

202 100

101 9.5 0.0 30.6

203 18.2 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.468 min Scan# 3125

Delta R.T. -0.006 min

Lab File: BM035166.D

Acq: 19 May 2022 23:23

Instrument :

BNA_M

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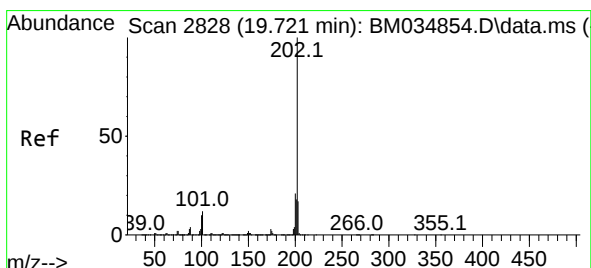
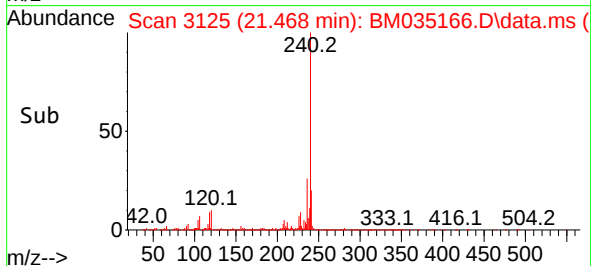
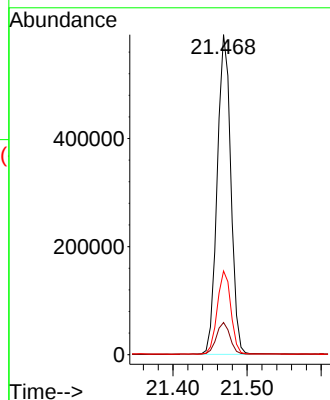
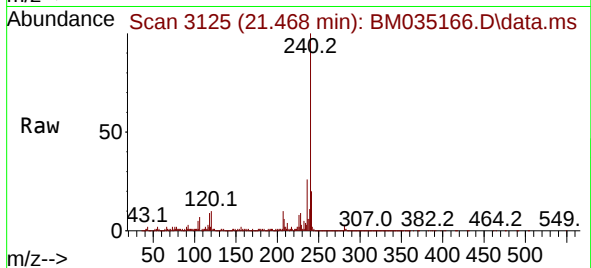
Tgt Ion:240 Resp: 754444

Ion Ratio Lower Upper

240 100

120 10.1 9.4 14.0

236 26.2 20.6 30.8



#78

Pyrene

Concen: 10.262 ng

RT: 19.704 min Scan# 2825

Delta R.T. -0.006 min

Lab File: BM035166.D

Acq: 19 May 2022 23:23

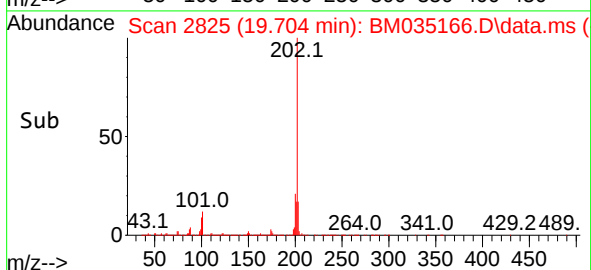
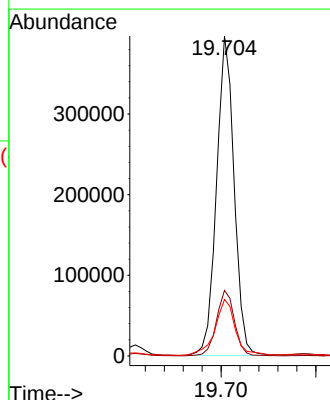
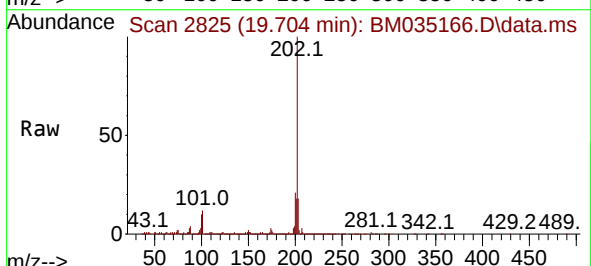
Tgt Ion:202 Resp: 512000

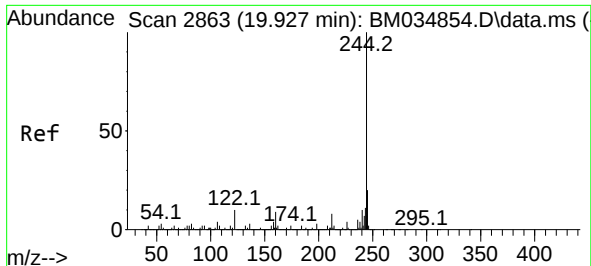
Ion Ratio Lower Upper

202 100

200 20.5 16.7 25.1

203 17.6 13.9 20.9

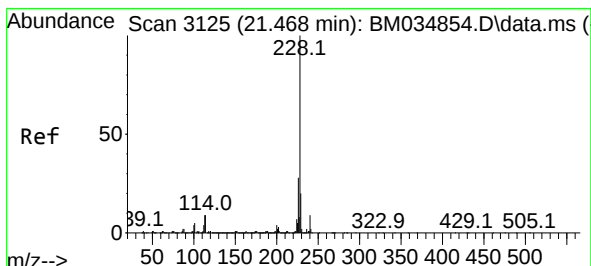
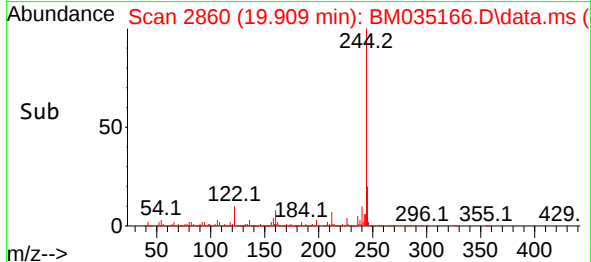
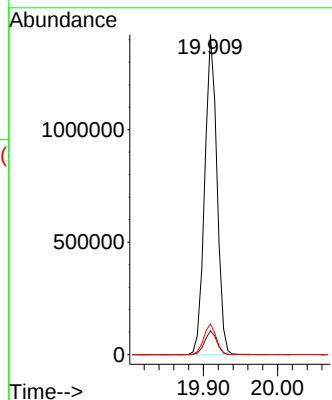
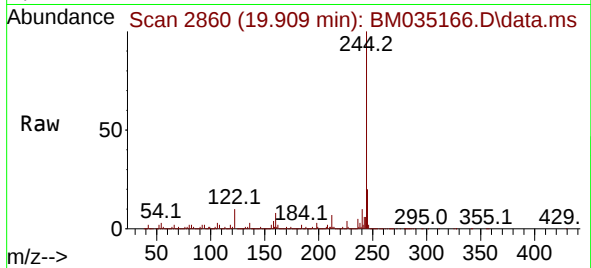




#79
 Terphenyl-d14
 Concen: 41.957 ng
 RT: 19.909 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM035166.D
 Acq: 19 May 2022 23:23

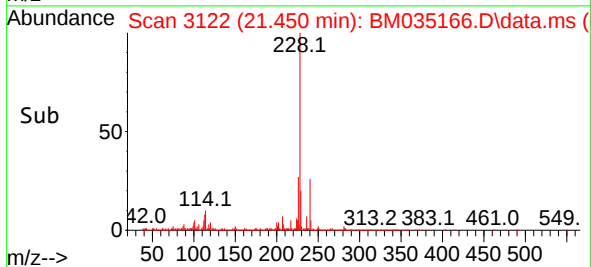
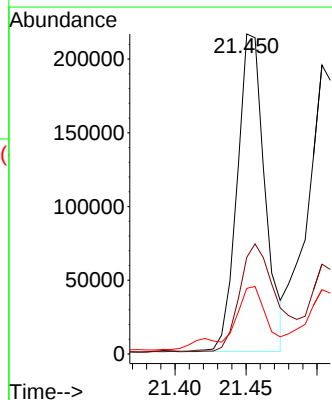
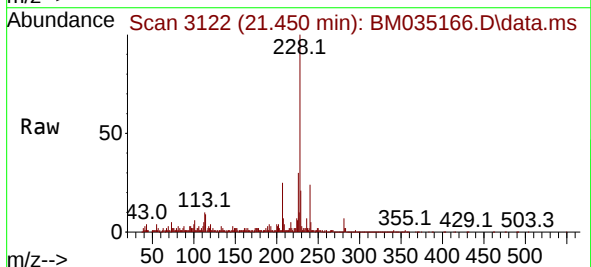
Instrument :
 BNA_M
 ClientSampleId :
 RATZER-RD-SP

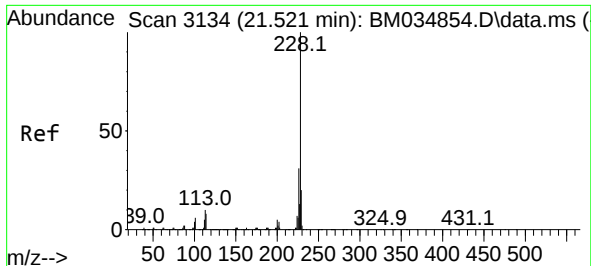
Tgt Ion:244 Resp: 1634852
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.2 9.4
 122 9.6 8.3 12.5



#81
 Benzo(a)anthracene
 Concen: 5.816 ng
 RT: 21.450 min Scan# 3122
 Delta R.T. -0.006 min
 Lab File: BM035166.D
 Acq: 19 May 2022 23:23

Tgt Ion:228 Resp: 292773
 Ion Ratio Lower Upper
 228 100
 226 30.2 22.3 33.5
 229 20.5 15.8 23.6

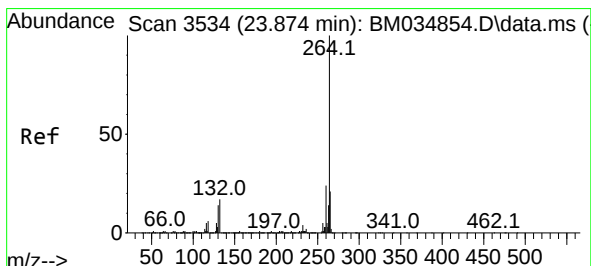
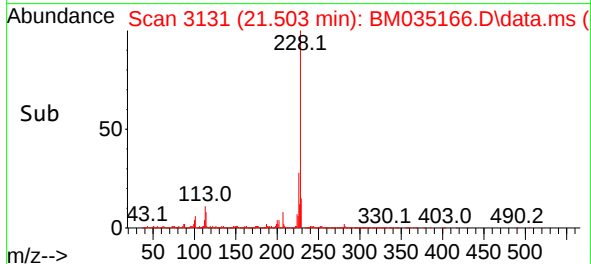
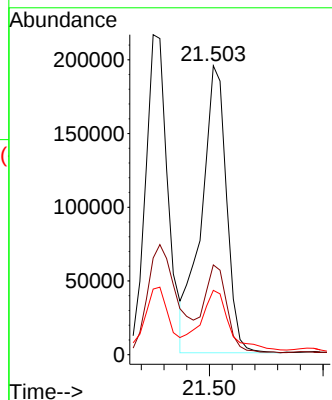
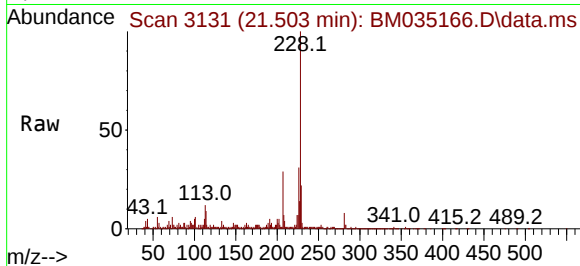




#83
Chrysene
Concen: 6.245 ng
RT: 21.503 min Scan# 3131
Delta R.T. -0.006 min
Lab File: BM035166.D
Acq: 19 May 2022 23:23

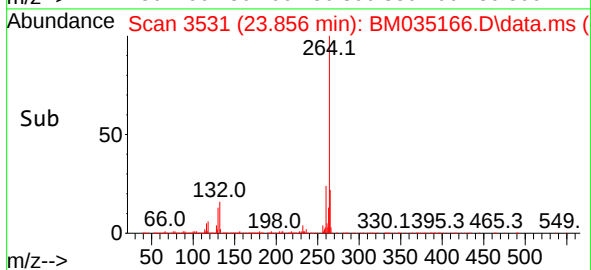
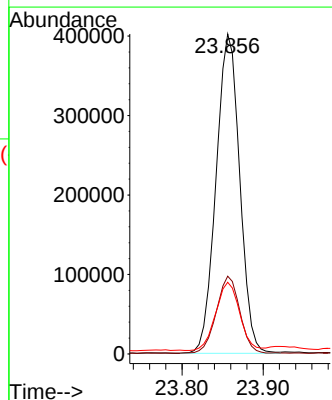
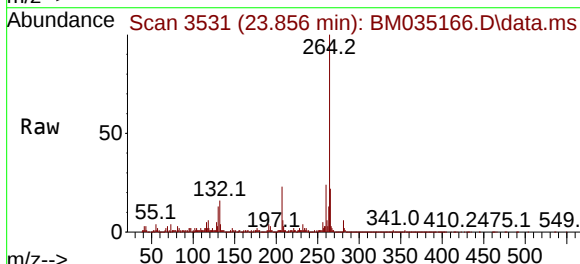
Instrument :
BNA_M
ClientSampleId :
RATZER-RD-SP

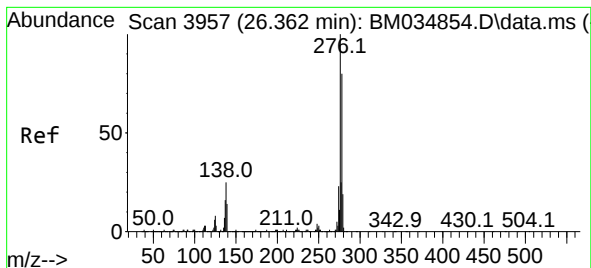
Tgt Ion:228 Resp: 300283
Ion Ratio Lower Upper
228 100
226 31.0 24.4 36.6
229 22.3 15.8 23.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.856 min Scan# 3531
Delta R.T. 0.000 min
Lab File: BM035166.D
Acq: 19 May 2022 23:23

Tgt Ion:264 Resp: 814550
Ion Ratio Lower Upper
264 100
260 24.3 18.9 28.3
265 22.4 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.837 ng

RT: 26.327 min Scan# 3408

Delta R.T. -0.006 min

Lab File: BM035166.D

Acq: 19 May 2022 23:23

Instrument :

BNA_M

ClientSampleId :

RATZER-RD-SP

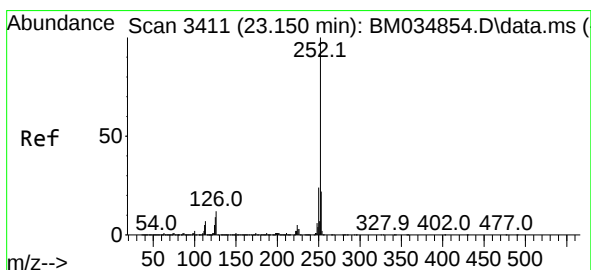
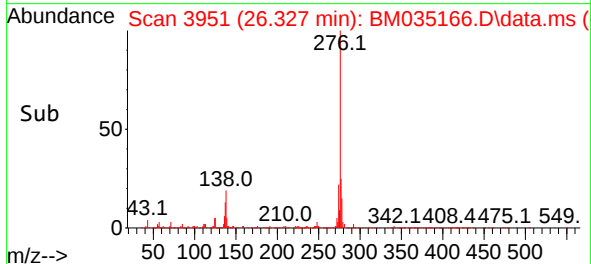
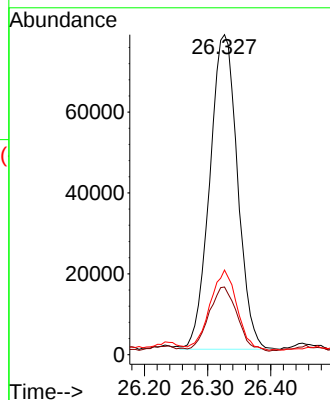
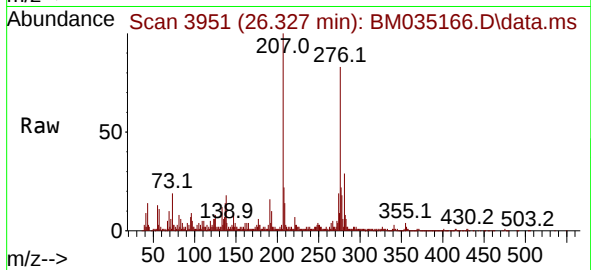
Tgt Ion:276 Resp: 237641

Ion Ratio Lower Upper

276 100

138 20.9 20.2 30.4

277 24.8 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 11.612 ng

RT: 23.133 min Scan# 3408

Delta R.T. 0.000 min

Lab File: BM035166.D

Acq: 19 May 2022 23:23

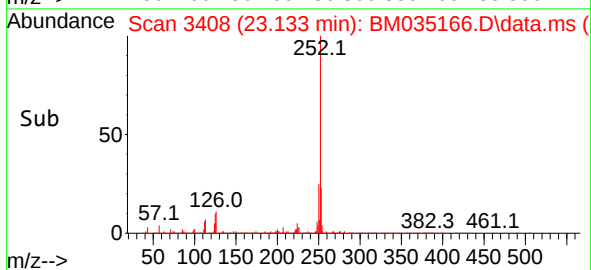
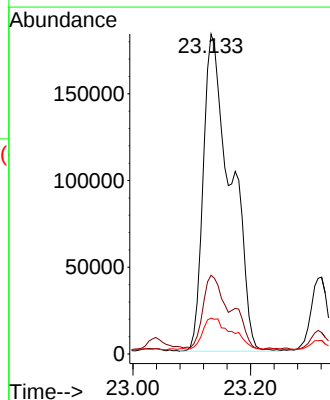
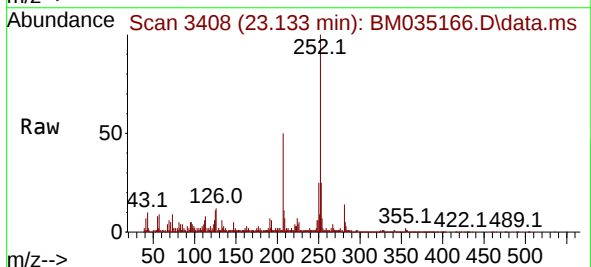
Tgt Ion:252 Resp: 594925

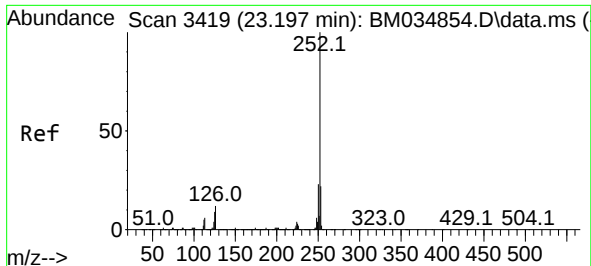
Ion Ratio Lower Upper

252 100

253 24.6 17.6 26.4

125 11.2 7.6 11.4

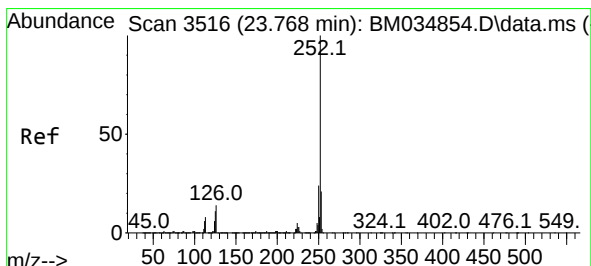
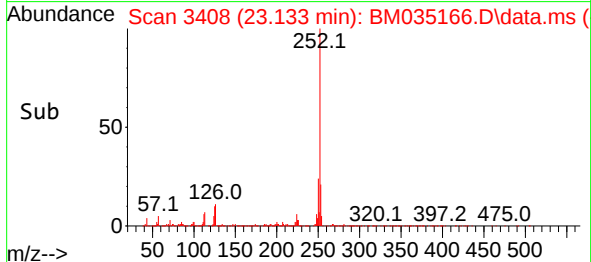
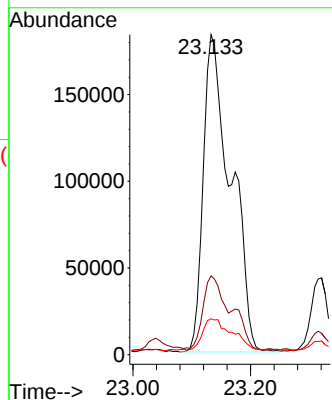
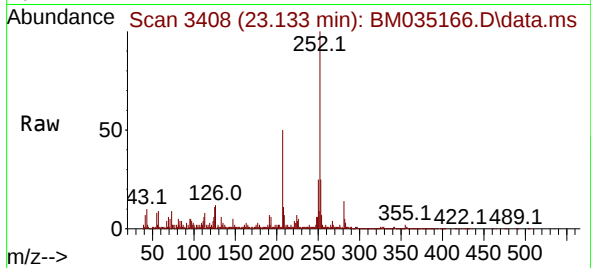




#89
Benzo(k)fluoranthene
Concen: 11.471 ng
RT: 23.133 min Scan# 3419
Delta R.T. -0.047 min
Lab File: BM035166.D
Acq: 19 May 2022 23:23

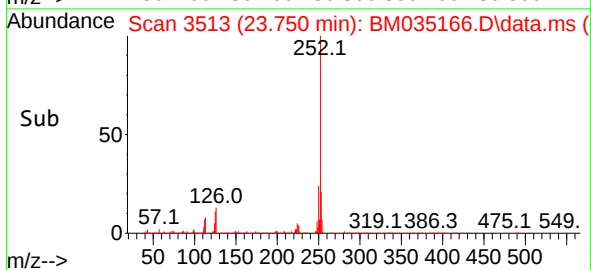
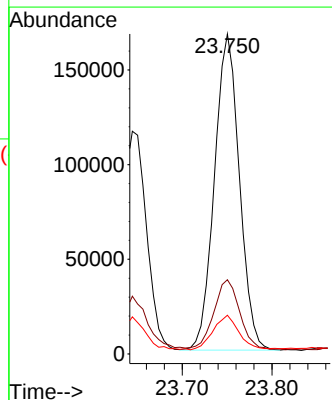
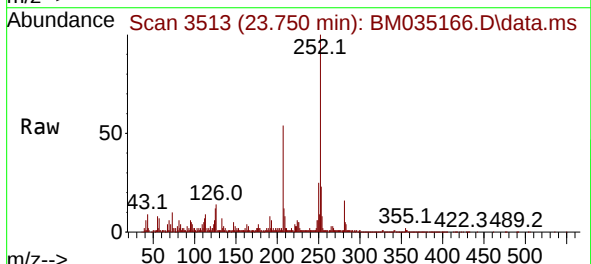
Instrument :
BNA_M
ClientSampleId :
RATZER-RD-SP

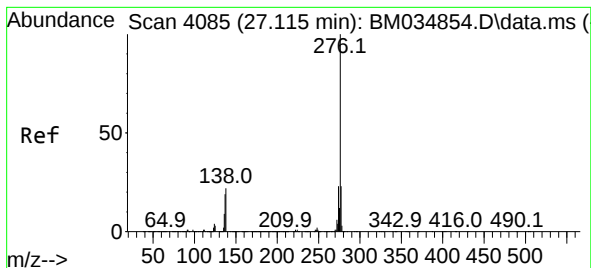
Tgt Ion:252 Resp: 594925
Ion Ratio Lower Upper
252 100
253 24.6 17.5 26.3
125 11.2 7.6 11.4



#90
Benzo(a)pyrene
Concen: 7.583 ng
RT: 23.750 min Scan# 3513
Delta R.T. 0.000 min
Lab File: BM035166.D
Acq: 19 May 2022 23:23

Tgt Ion:252 Resp: 322756
Ion Ratio Lower Upper
252 100
253 23.2 17.2 25.8
125 12.1 8.7 13.1





#92

Benzo(g,h,i)perylene

Concen: 4.663 ng

RT: 27.085 min Scan# 40

Delta R.T. -0.006 min

Lab File: BM035166.D

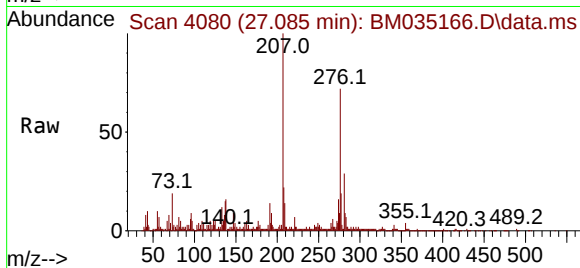
Acq: 19 May 2022 23:23

Instrument :

BNA_M

ClientSampleId :

RATZER-RD-SP



Tgt Ion:276 Resp: 232744

Ion Ratio Lower Upper

276 100

277 26.1 18.7 28.1

138 23.0 17.6 26.4

