

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

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/20/2022
 Supervised By : Jagrut Upadhyay 05/20/2022

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	433483m	8.461	ng	
89) Benzo(k)fluoranthene	23.174	252	160763m	3.100	ng	
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

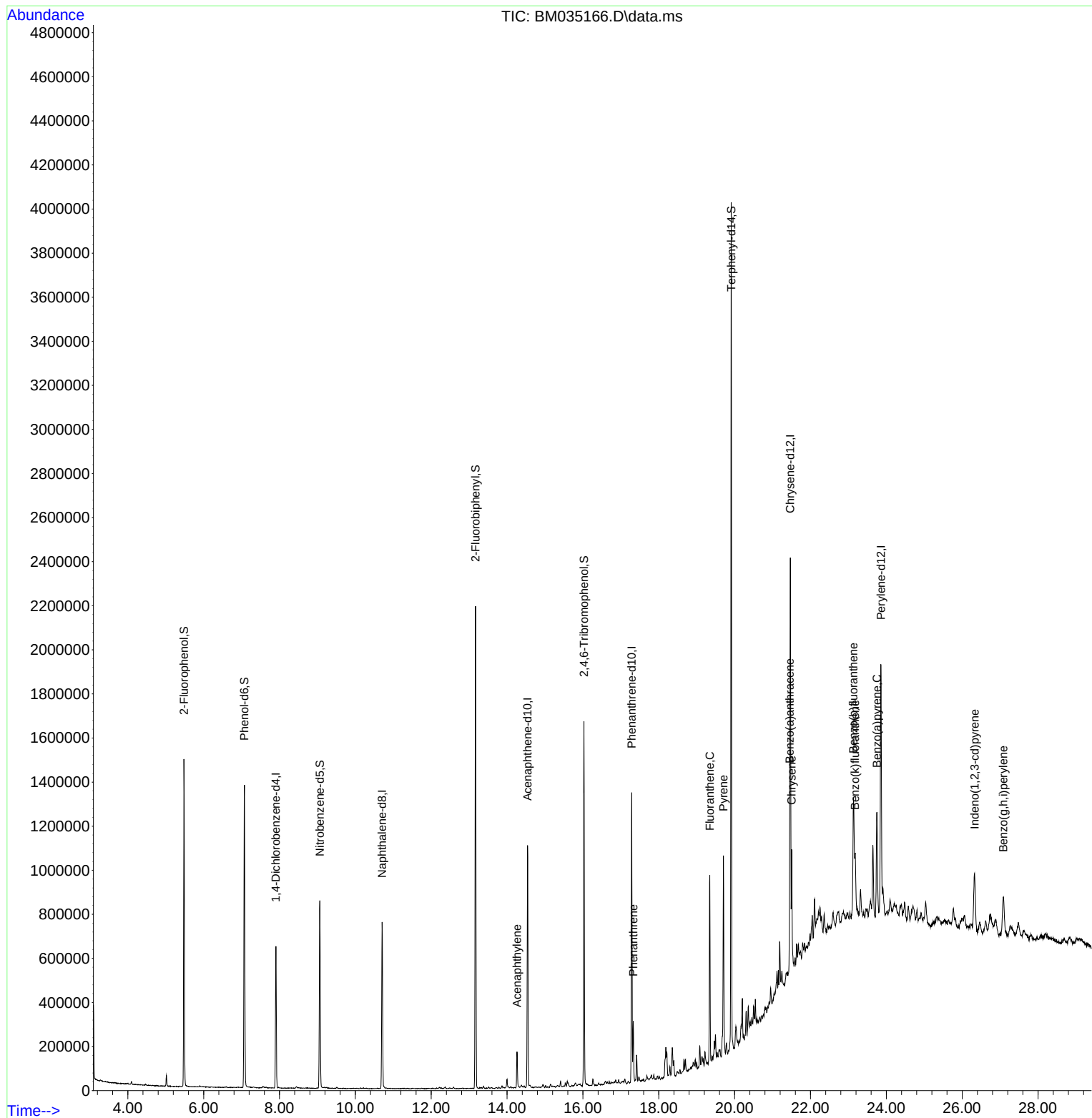
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051922\
Data File : BM035166.D
Acq On : 19 May 2022 23:23
Operator : CG/JU
Sample : N2942-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

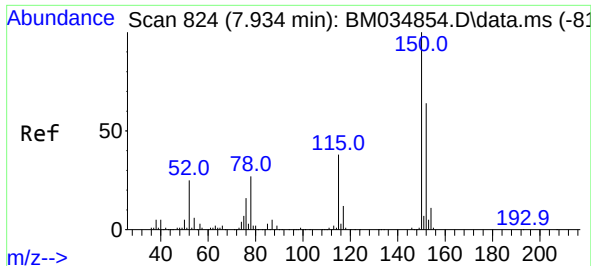
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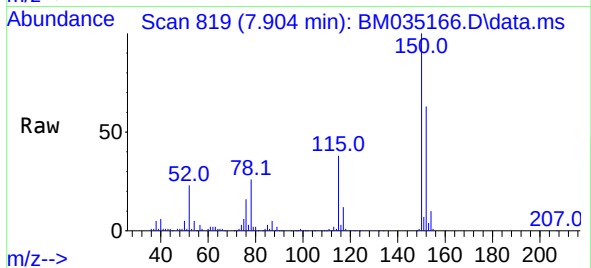
Quant Time: May 20 04:57:14 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 20 04:53:59 2022
Response via : Initial Calibration





#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

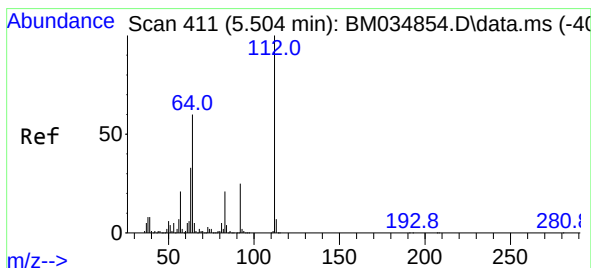
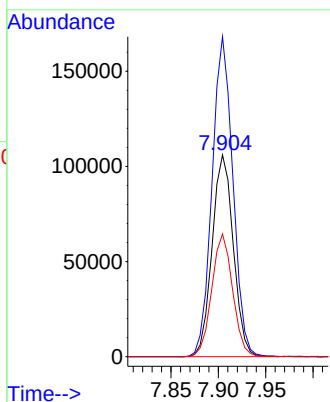
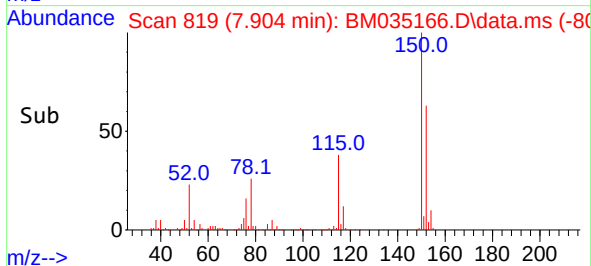
Instrument :
BNA_M
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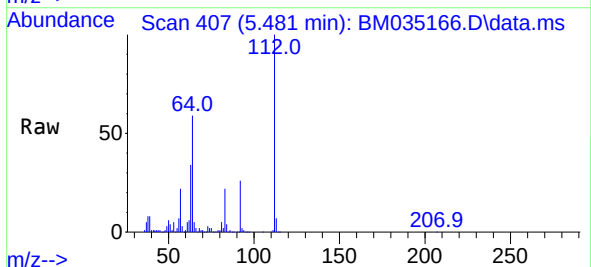
Tgt Ion:152 Resp: 165379
Ion Ratio Lower Upper
152 100
150 158.6 124.9 187.3
115 60.8 47.9 71.9

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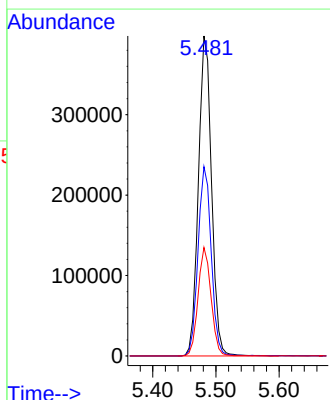
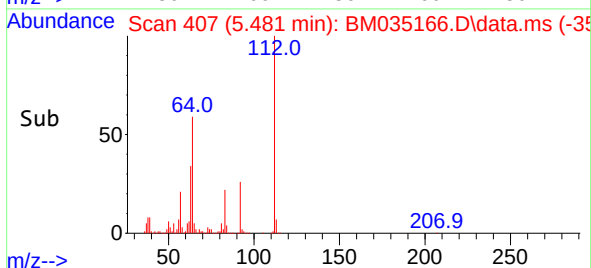
Reviewed By :Christian Giraldo 05/20/2022
Supervised By :Jagrut Upadhyay 05/20/2022

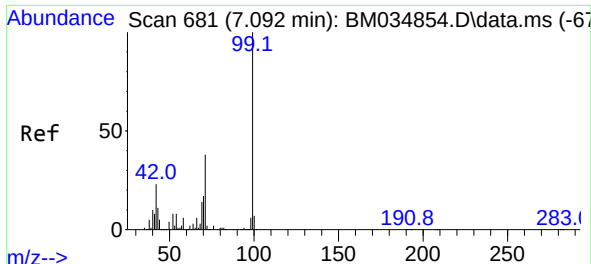


#5
2-Fluorophenol
Concen: 61.151 ng
RT: 5.481 min Scan# 407
Delta R.T. 0.000 min
Lab File: BM035166.D
Acq: 19 May 2022 23:23



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





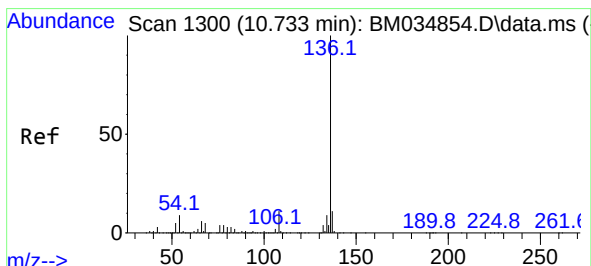
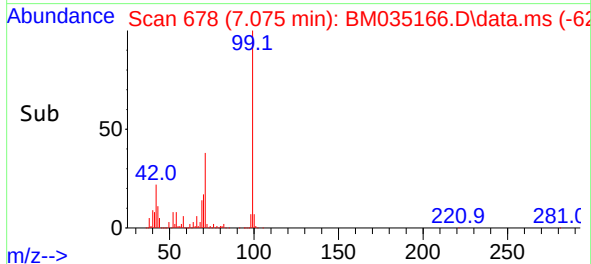
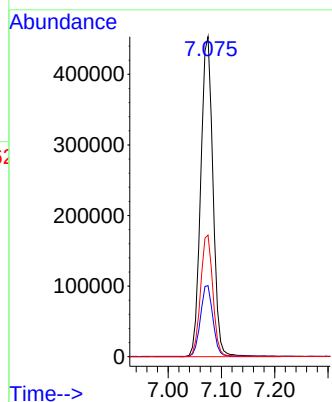
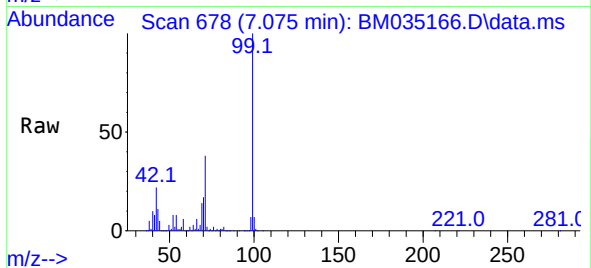
#7
Phenol-d6
Concen: 59.755 ng
RT: 7.075 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM035166.D
Acq: 19 May 2022 23:23

Instrument :
BNA_M
ClientSampleId :
RATZER-RD-SP

Tgt Ion: 99 Resp: 72312
Ion Ratio Lower Upper
99 100
42 22.2 18.8 28.2
71 38.0 30.2 45.2

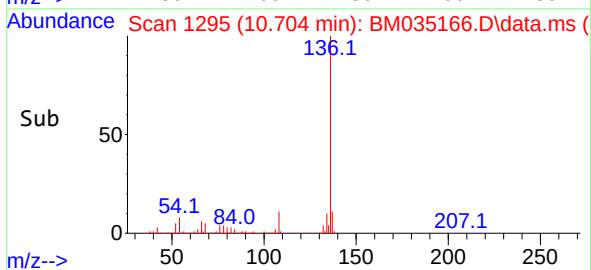
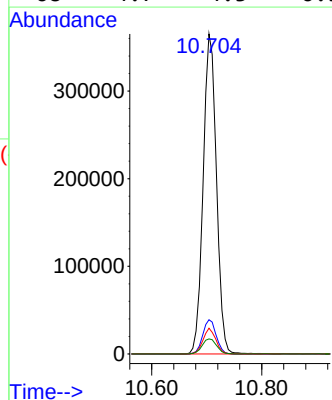
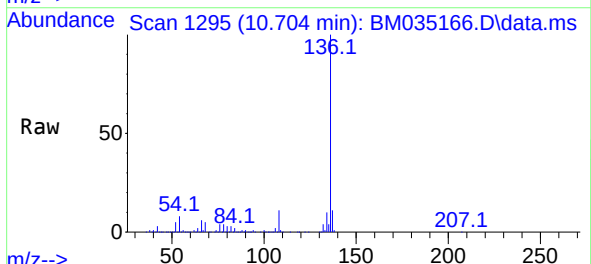
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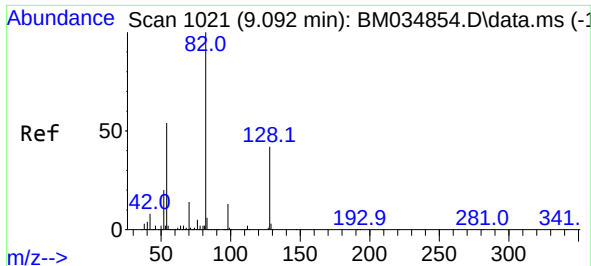
Reviewed By :Christian Giraldo 05/20/2022
Supervised By :Jagrut Upadhyay 05/20/2022



#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

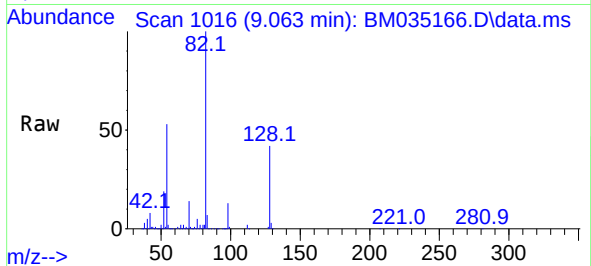
Tgt Ion:136 Resp: 612614
Ion Ratio Lower Upper
136 100
137 10.7 8.9 13.3
54 8.1 7.0 10.4
68 4.7 4.3 6.5





#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

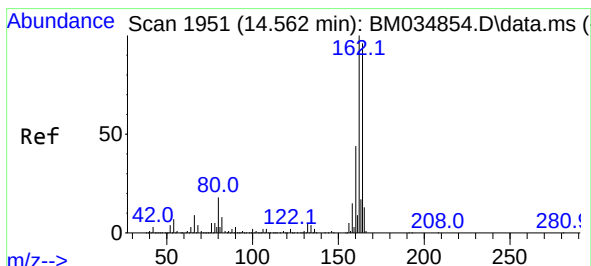
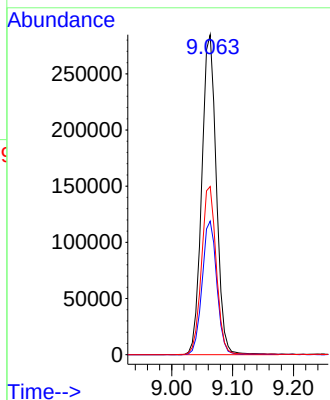
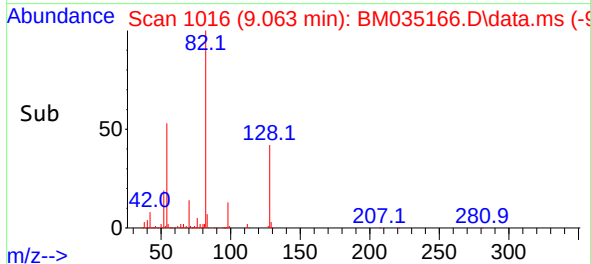
Instrument :
BNA_M
ClientSampleId :
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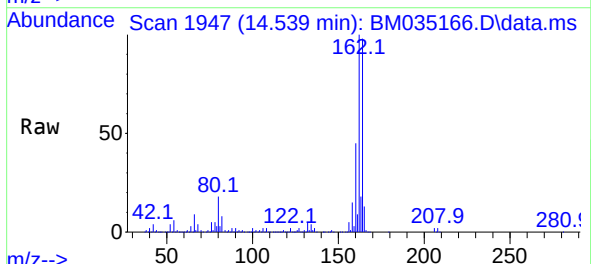
Tgt Ion: 82 Resp: 474780
Ion Ratio Lower Upper
82 100
128 41.7 33.7 50.5
54 52.5 43.2 64.8

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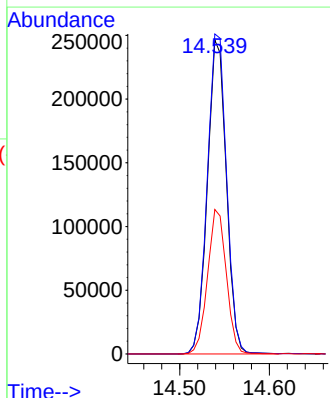
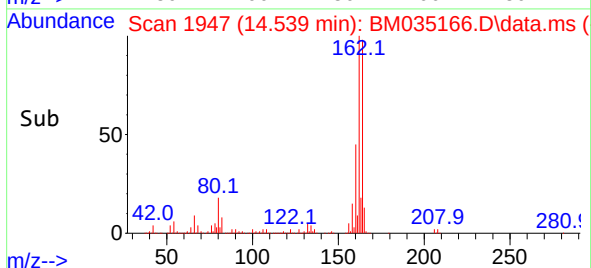
Reviewed By :Christian Giraldo 05/20/2022
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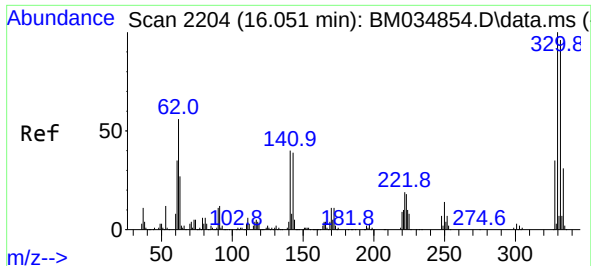


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.539 min Scan# 1947
Delta R.T. -0.006 min
Lab File: BM035166.D
Acq: 19 May 2022 23:23



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

Instrument :

BNA_M

ClientSampleId :

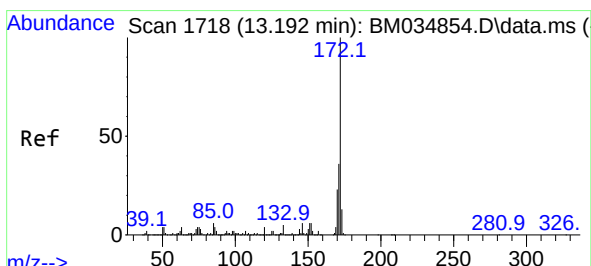
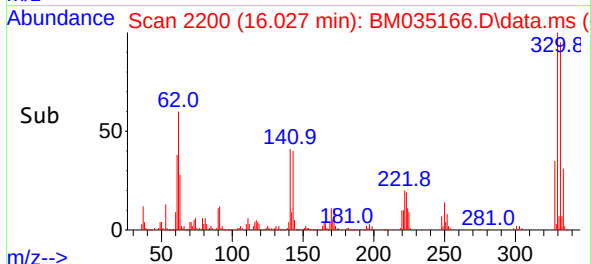
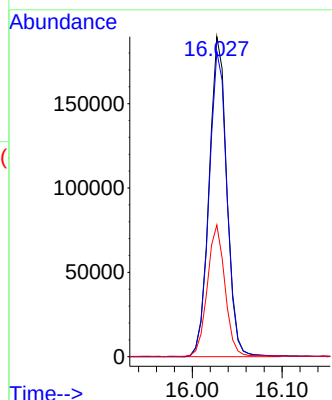
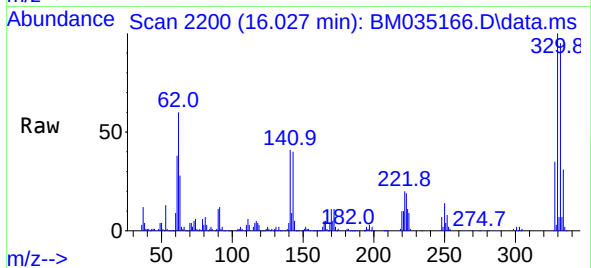
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Tgt Ion:330 Resp: 26061
Ion Ratio Lower Upper
330 100
332 96.2 77.0 115.4
141 41.2 35.3 52.9

Manual Integrations

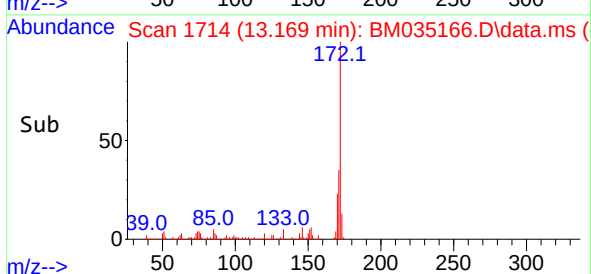
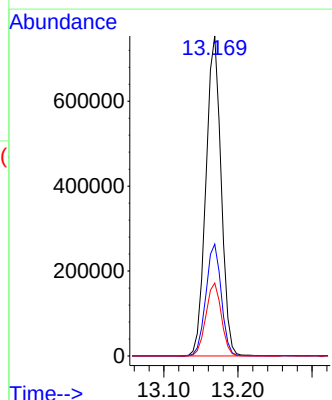
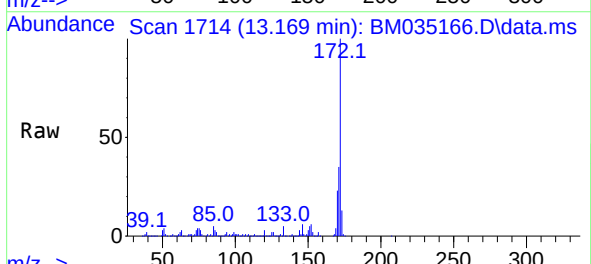
APPROVED

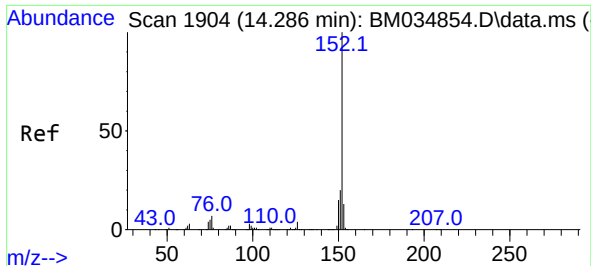
Reviewed By :Christian Giraldo 05/20/2022
Supervised By :Jagrut Upadhyay 05/20/2022



#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

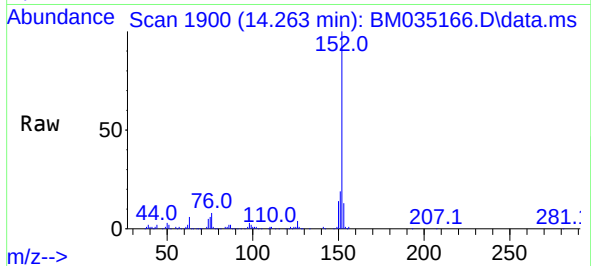
Tgt Ion:172 Resp: 1074512
Ion Ratio Lower Upper
172 100
171 35.0 28.5 42.7
170 22.8 18.7 28.1





#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

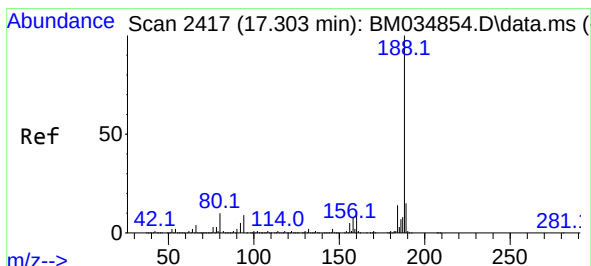
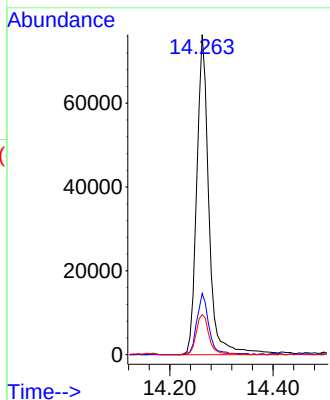
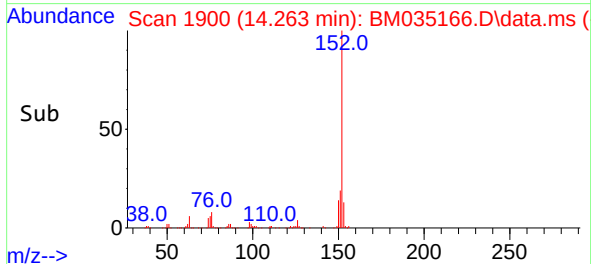
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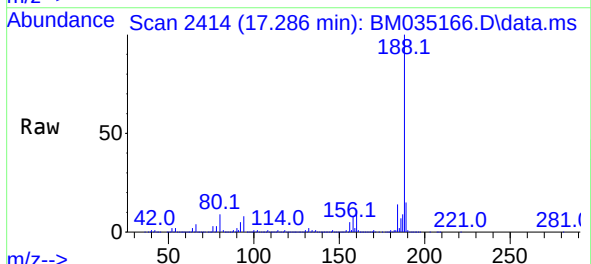
Tgt Ion:152 Resp: 124933
Ion Ratio Lower Upper
152 100
151 19.1 16.2 24.2
153 12.6 10.5 15.7

Manual Integrations
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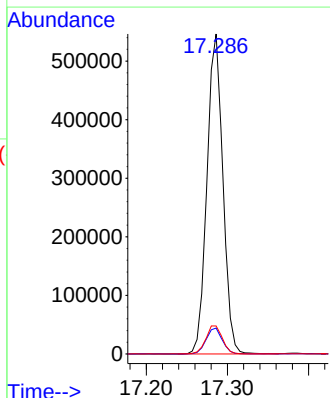
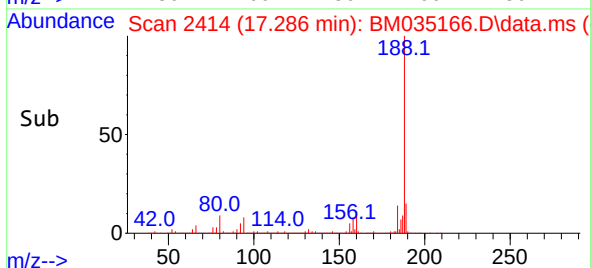
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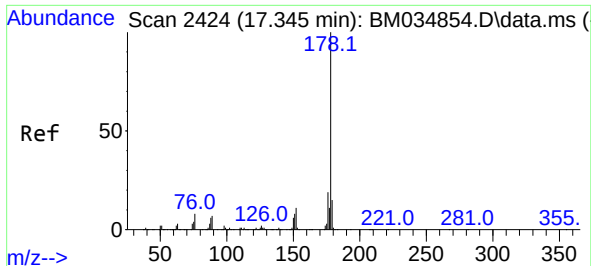


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.286 min Scan# 2414
Delta R.T. 0.000 min
Lab File: BM035166.D
Acq: 19 May 2022 23:23



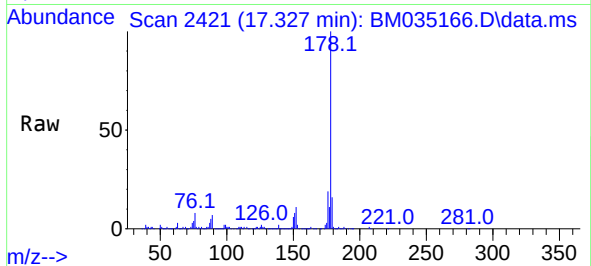
Tgt Ion:188 Resp: 742966
Ion Ratio Lower Upper
188 100
94 8.1 7.0 10.4
80 8.7 7.6 11.4





#71
Phenanthrene
Concen: 3.886 ng
RT: 17.327 min Scan# 2424
Delta R.T. 0.000 min
Lab File: BM035166.D
Acq: 19 May 2022 23:23

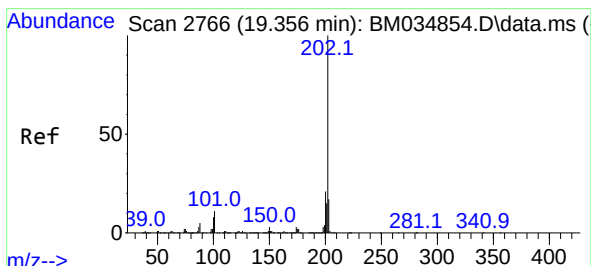
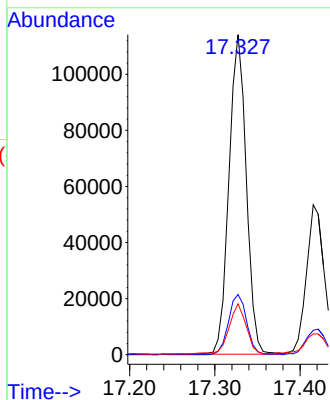
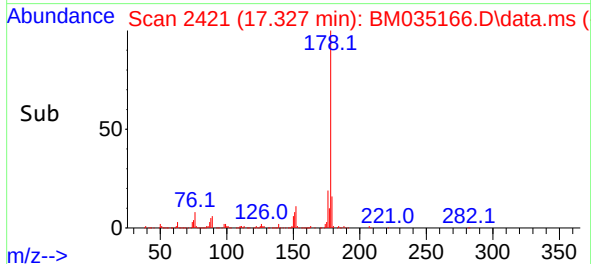
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ClientSampleId :
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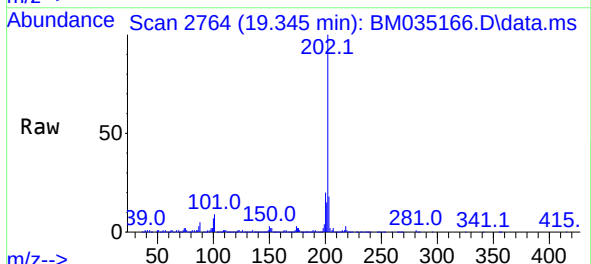
Tgt Ion:178 Resp: 160895
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.0
179 15.9 12.4 18.6

Manual Integrations
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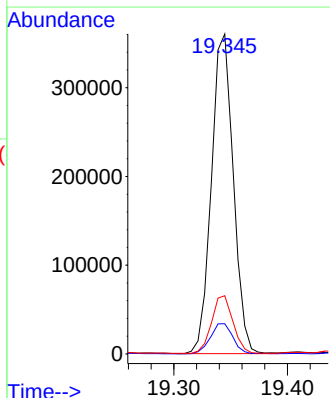
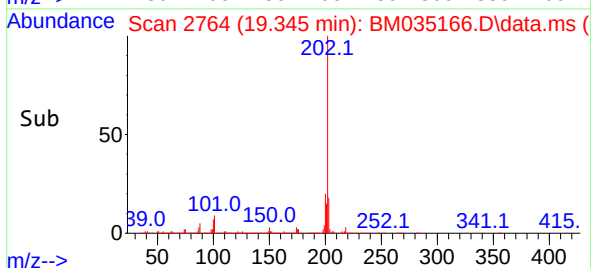
Reviewed By :Christian Giraldo 05/20/2022
Supervised By :Jagrut Upadhyay 05/20/2022

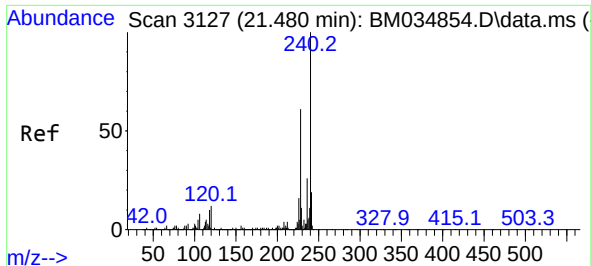


#75
Fluoranthene
Concen: 10.618 ng
RT: 19.345 min Scan# 2764
Delta R.T. 0.000 min
Lab File: BM035166.D
Acq: 19 May 2022 23:23



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





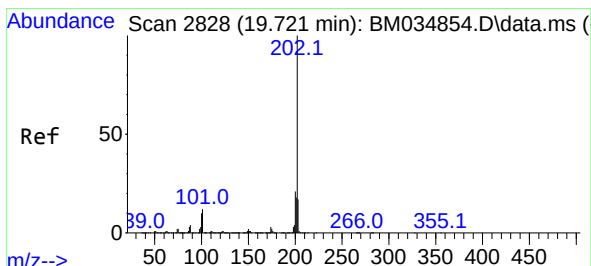
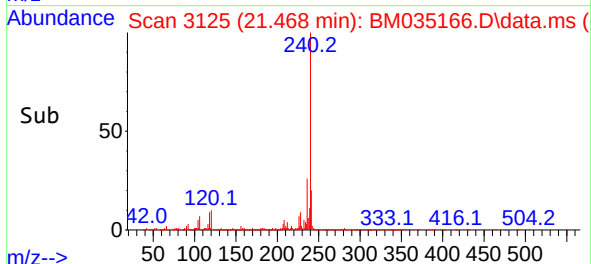
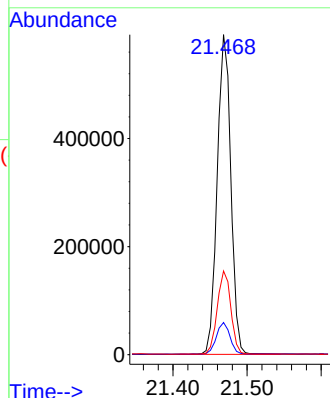
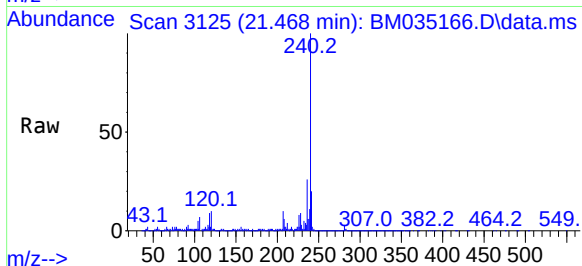
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.468 min Scan# 3125
Delta R.T. -0.006 min
Lab File: BM035166.D
Acq: 19 May 2022 23:23

Instrument :
BNA_M
ClientSampleId :
RATZER-RD-SP

Tgt Ion:240 Resp: 75444
Ion Ratio Lower Upper
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120 10.1 9.4 14.0
236 26.2 20.6 30.8

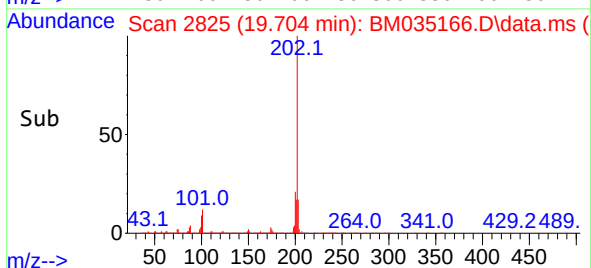
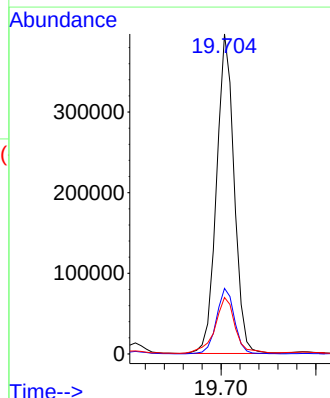
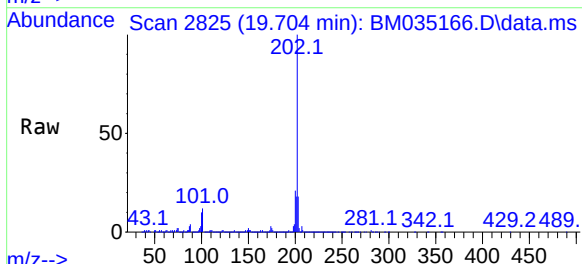
Manual Integrations
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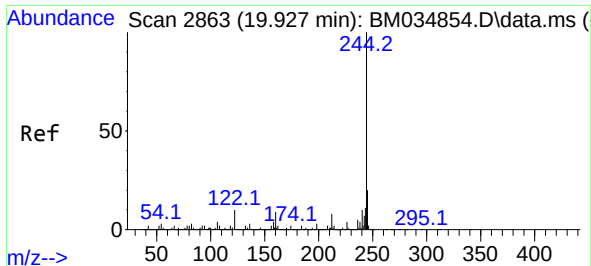
Reviewed By :Christian Giraldo 05/20/2022
Supervised By :Jagrut Upadhyay 05/20/2022



#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

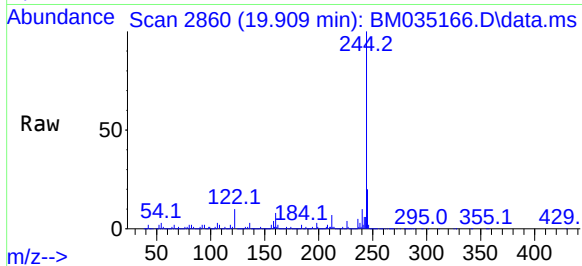
Tgt Ion:202 Resp: 512000
Ion Ratio Lower Upper
202 100
200 20.5 16.7 25.1
203 17.6 13.9 20.9





#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

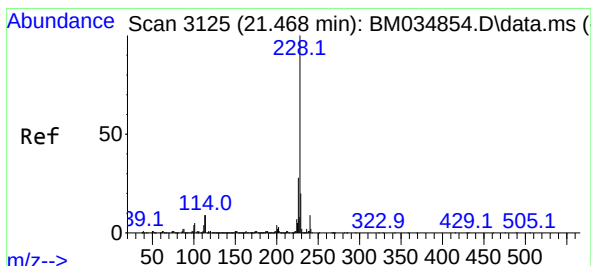
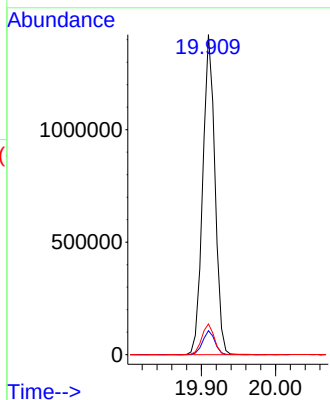
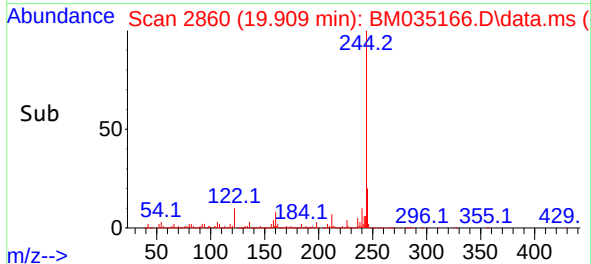
Instrument :
BNA_M
ClientSampleId :
RATZER-RD-SP



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

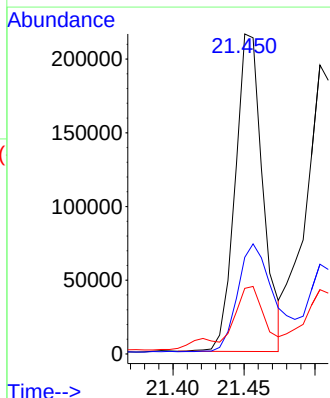
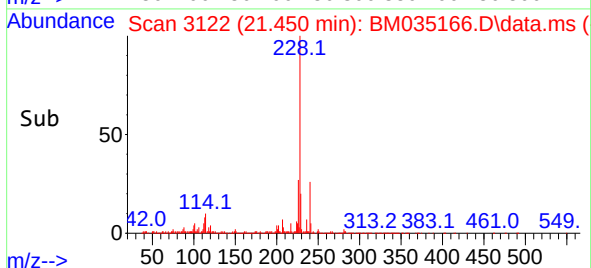
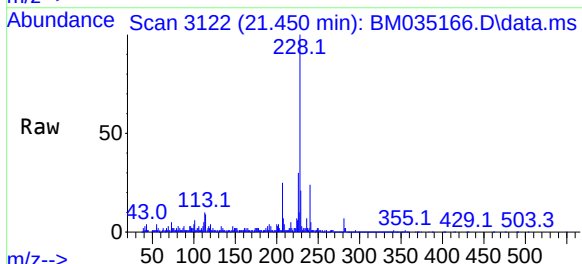
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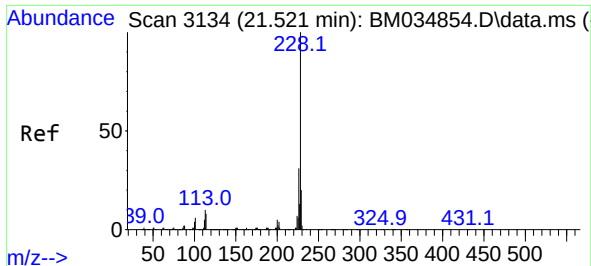
Reviewed By :Christian Giraldo 05/20/2022
Supervised By :Jagrut Upadhyay 05/20/2022



#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

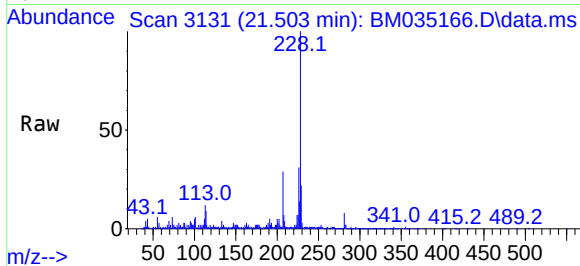
Tgt Ion:228 Resp: 292773
Ion Ratio Lower Upper
228 100
226 30.2 22.3 33.5
229 20.5 15.8 23.6





#83
Chrysene
Concen: 6.245 ng
RT: 21.503 min Scan# 3134
Delta R.T. -0.006 min
Lab File: BM035166.D
Acq: 19 May 2022 23:23

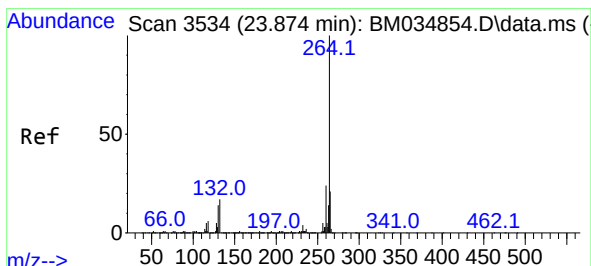
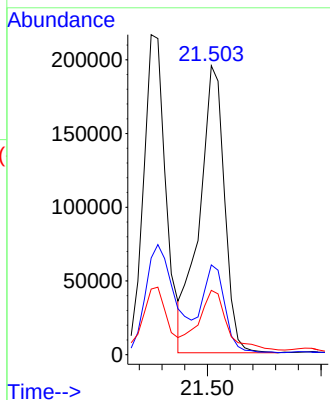
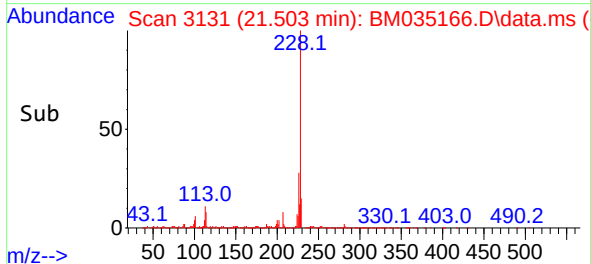
Instrument :
BNA_M
ClientSampleId :
RATZER-RD-SP



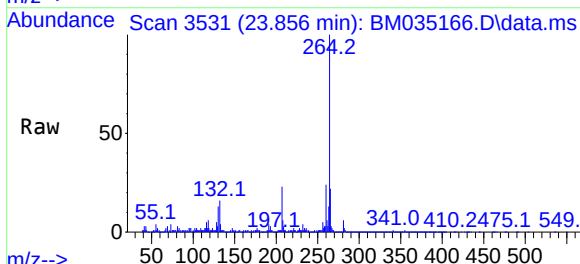
Tgt Ion:228 Resp: 300283
Ion Ratio Lower Upper
228 100
226 31.0 24.4 36.6
229 22.3 15.8 23.8

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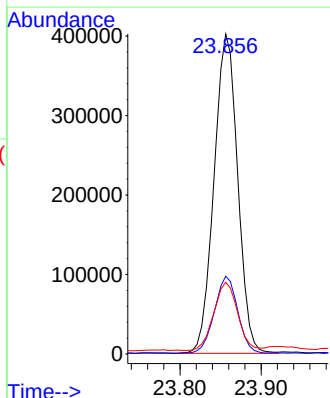
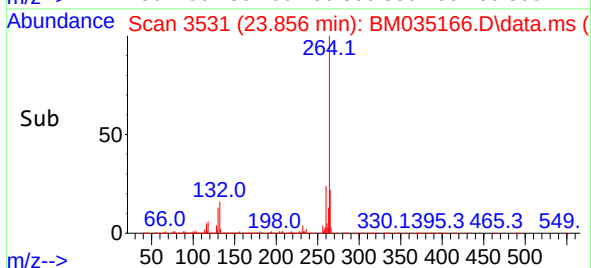
Reviewed By :Christian Giraldo 05/20/2022
Supervised By :Jagrut Upadhyay 05/20/2022

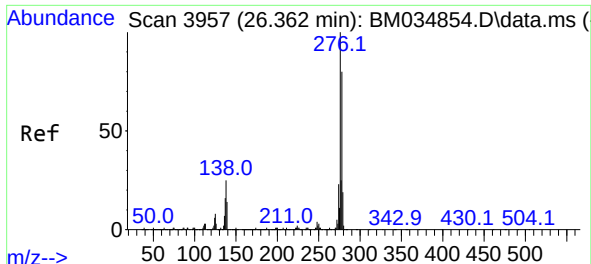


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.856 min Scan# 3531
Delta R.T. 0.000 min
Lab File: BM035166.D
Acq: 19 May 2022 23:23



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





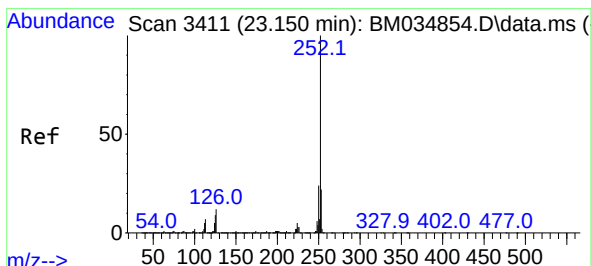
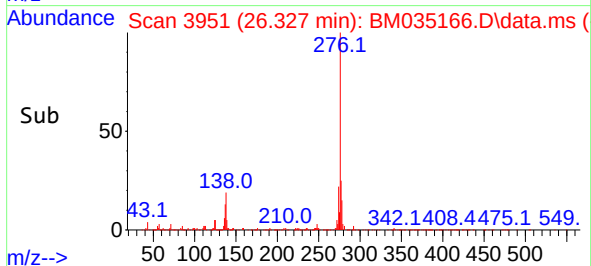
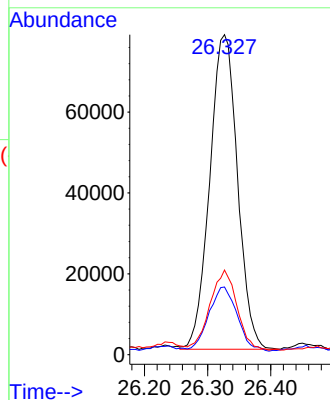
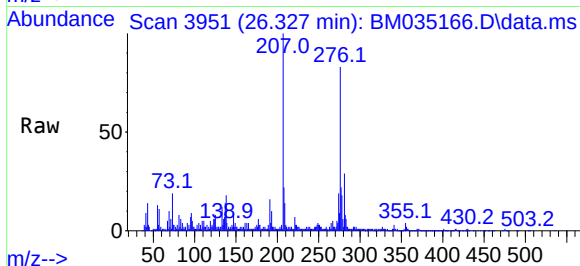
#87
Indeno(1,2,3-cd)pyrene
Concen: 3.837 ng
RT: 26.327 min Scan# 3408
Delta R.T. -0.006 min
Lab File: BM035166.D
Acq: 19 May 2022 23:23

Instrument :
BNA_M
ClientSampleId :
RATZER-RD-SP

Tgt Ion:276 Resp: 23764
Ion Ratio Lower Upper
276 100
138 20.9 20.2 30.4
277 24.8 20.2 30.2

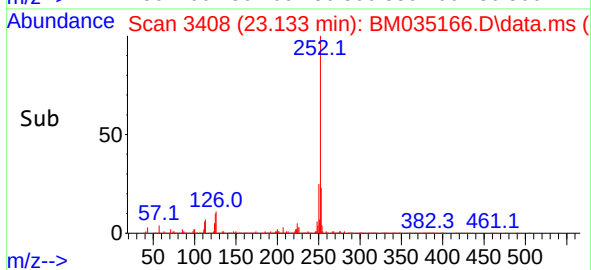
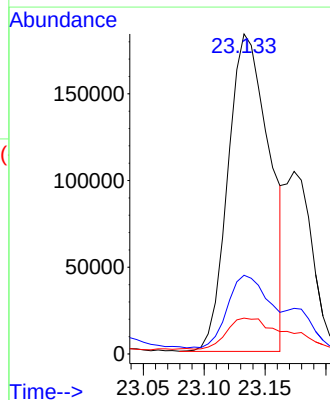
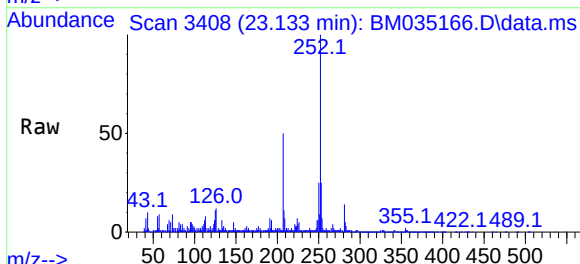
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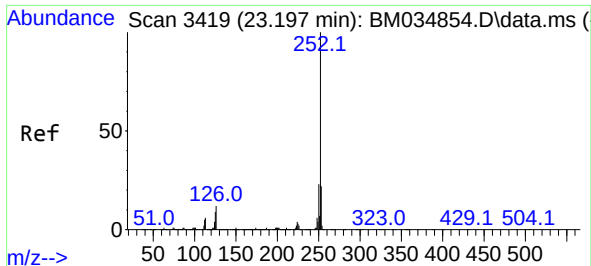
Reviewed By :Christian Giraldo 05/20/2022
Supervised By :Jagrut Upadhyay 05/20/2022



#88
Benzo(b)fluoranthene
Concen: 8.461 ng m
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: 433483
Ion Ratio Lower Upper
252 100
253 24.6 17.6 26.4
125 11.2 7.6 11.4





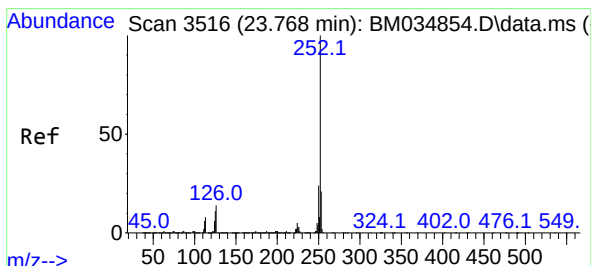
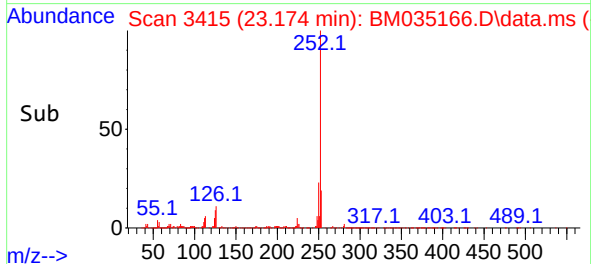
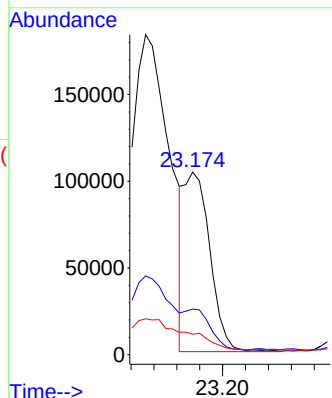
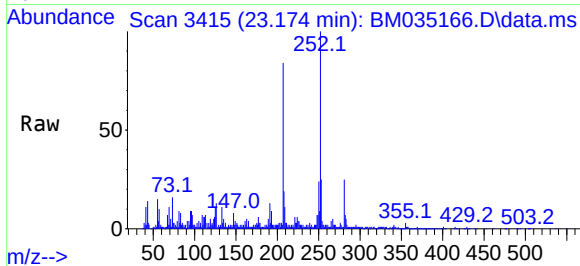
#89
Benzo(k)fluoranthene
Concen: 3.100 ng m
RT: 23.174 min Scan# 3419
Delta R.T. -0.006 min
Lab File: BM035166.D
Acq: 19 May 2022 23:23

Instrument :
BNA_M
ClientSampleId :
RATZER-RD-SP

Tgt Ion:252 Resp: 16076
Ion Ratio Lower Upper
252 100
253 25.0 17.5 26.3
125 11.2 7.6 11.4

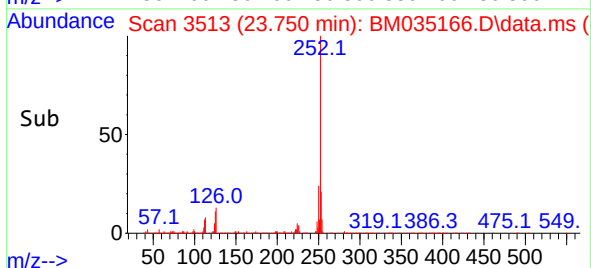
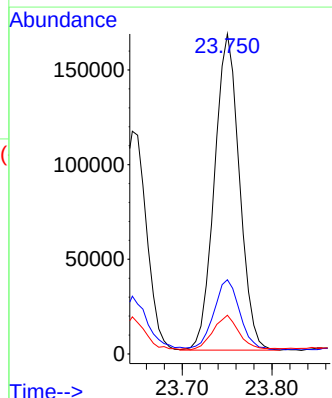
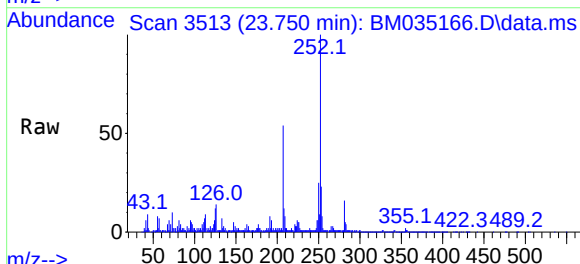
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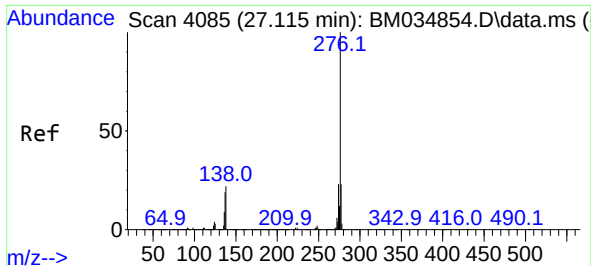
Reviewed By :Christian Giraldo 05/20/2022
Supervised By :Jagrut Upadhyay 05/20/2022



#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

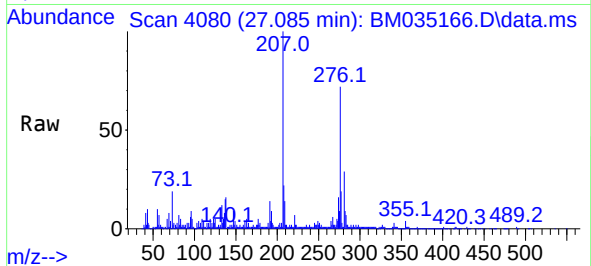
Tgt Ion:252 Resp: 322756
Ion Ratio Lower Upper
252 100
253 23.2 17.2 25.8
125 12.1 8.7 13.1





#92
 Benzo(g,h,i)perylene
 Concen: 4.663 ng
 RT: 27.085 min Scan# 4085
 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

Manual Integrations

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Reviewed By : Christian Giraldo 05/20/2022
 Supervised By : Jagrut Upadhyay 05/20/2022

