

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071322\
 Data File : BM035798.D
 Acq On : 13 Jul 2022 17:34
 Operator : CG/JU
 Sample : N3645-01DL 10X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 NB-08-070822DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 07/14/2022
 Supervised By : Jagrut Upadhyay 07/14/2022

Quant Time: Jul 14 01:25:03 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM071322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 14 01:21:21 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.910	152	403759	20.000	ng	0.00
21) Naphthalene-d8	10.716	136	1721356	20.000	ng	0.00
39) Acenaphthene-d10	14.539	164	966263	20.000	ng	0.00
64) Phenanthrene-d10	17.280	188	1687141	20.000	ng	0.00
76) Chrysene-d12	21.456	240	1257494	20.000	ng	0.00
86) Perylene-d12	23.838	264	1283016	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	69481	2.795	ng	0.00
7) Phenol-d6	7.063	99	91080	2.929	ng	0.00
23) Nitrobenzene-d5	9.069	82	51826	1.721	ng	0.00
42) 2,4,6-Tribromophenol	16.021	330	25359	2.584	ng	0.00
45) 2-Fluorobiphenyl	13.174	172	123996	1.790	ng	0.00
79) Terphenyl-d14	19.903	244	130823	2.020	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.321	178	782415	8.828	ng	100
72) Anthracene	17.409	178	202467	2.375	ng	98
75) Fluoranthene	19.333	202	803275	8.104	ng	98
78) Pyrene	19.692	202	724986	9.180	ng	99
81) Benzo(a)anthracene	21.439	228	274596	3.481	ng	# 94
83) Chrysene	21.491	228	253409m	3.327	ng	
88) Benzo(b)fluoranthene	23.115	252	263537	3.401	ng	# 83
90) Benzo(a)pyrene	23.733	252	201900	3.114	ng	# 89

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

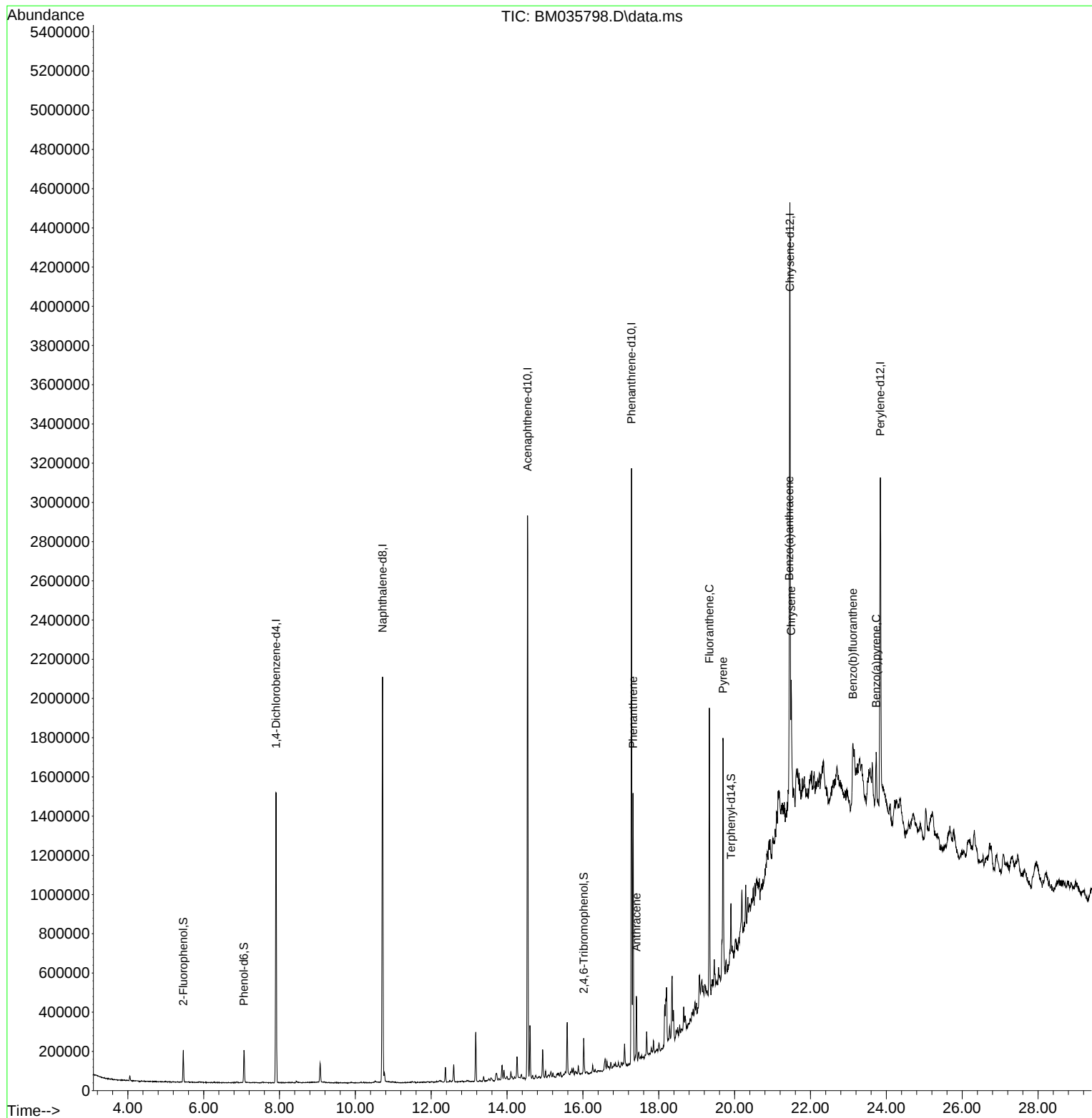
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071322\
Data File : BM035798.D
Acq On : 13 Jul 2022 17:34
Operator : CG/JU
Sample : N3645-01DL 10X
Misc :
ALS Vial : 13 Sample Multiplier: 1

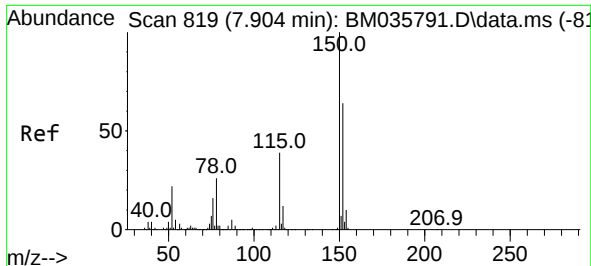
Instrument :
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NB-08-070822DL

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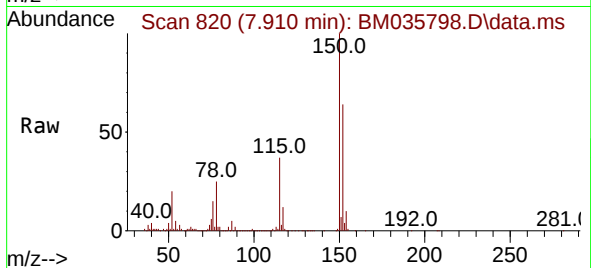
Quant Time: Jul 14 01:25:03 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM071322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 14 01:21:21 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.910 min Scan# 819
Delta R.T. 0.006 min
Lab File: BM035798.D
Acq: 13 Jul 2022 17:34

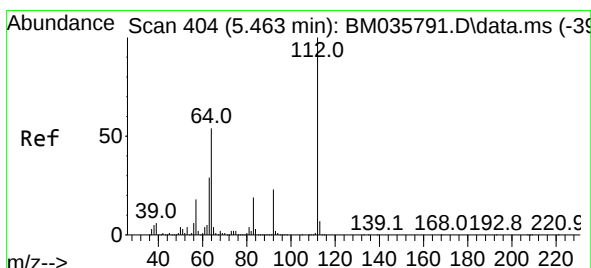
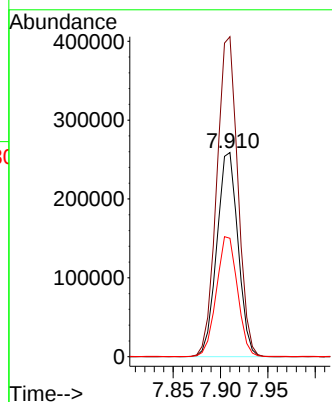
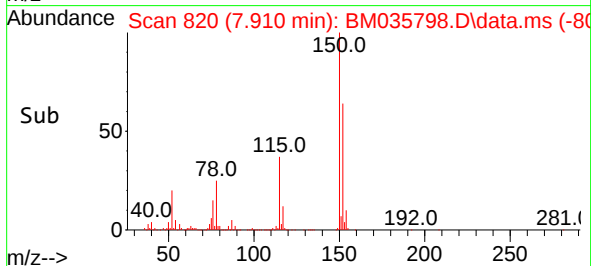
Instrument :
BNA_M
ClientSampleId :
NB-08-070822DL



Tgt Ion:152 Resp: 403759
Ion Ratio Lower Upper
152 100
150 156.7 124.9 187.3
115 58.0 47.9 71.9

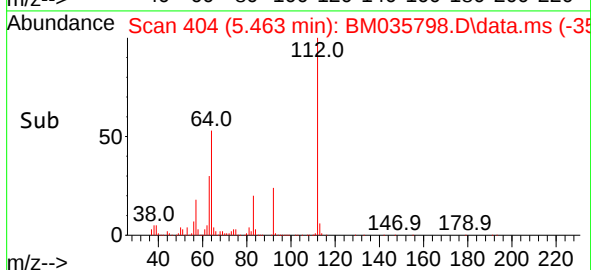
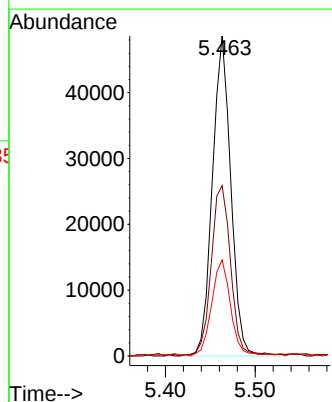
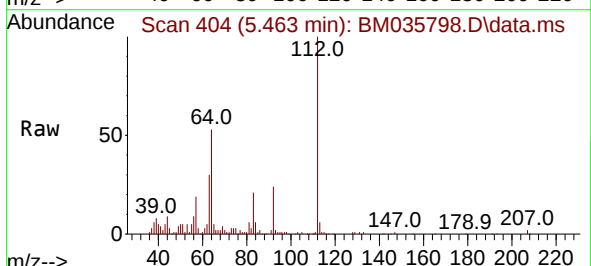
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#5
2-Fluorophenol
Concen: 2.795 ng
RT: 5.463 min Scan# 404
Delta R.T. -0.000 min
Lab File: BM035798.D
Acq: 13 Jul 2022 17:34

Tgt Ion:112 Resp: 69481
Ion Ratio Lower Upper
112 100
64 53.2 47.8 71.6
63 30.0 26.6 40.0





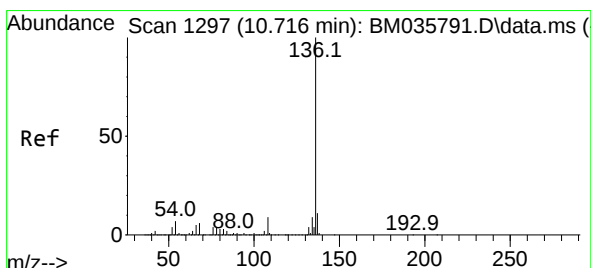
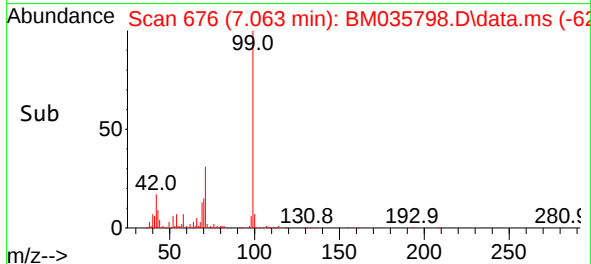
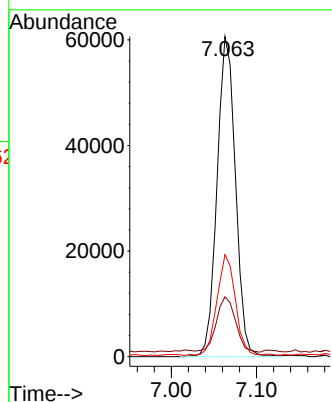
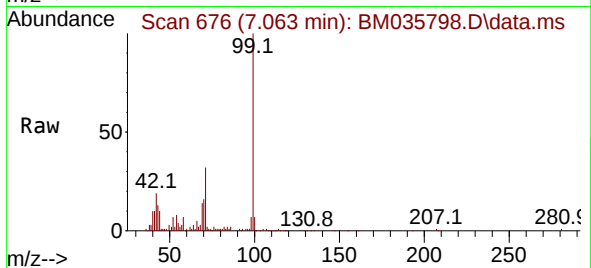
#7
Phenol-d6
Concen: 2.929 ng
RT: 7.063 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM035798.D
Acq: 13 Jul 2022 17:34

Instrument :
BNA_M
ClientSampleId :
NB-08-070822DL

Tgt Ion: 99 Resp: 91080
Ion Ratio Lower Upper
99 100
42 18.7 18.8 28.2
71 31.9 30.2 45.2

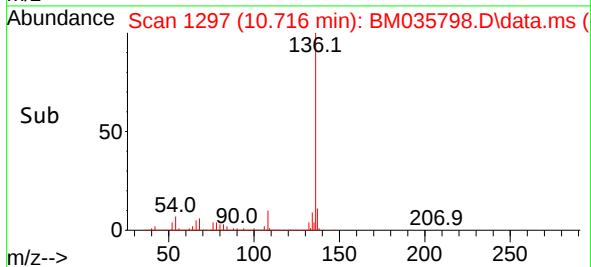
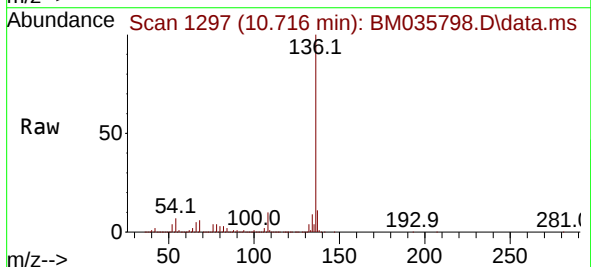
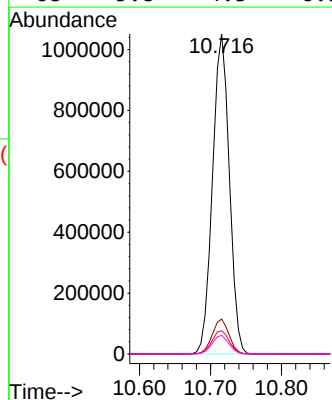
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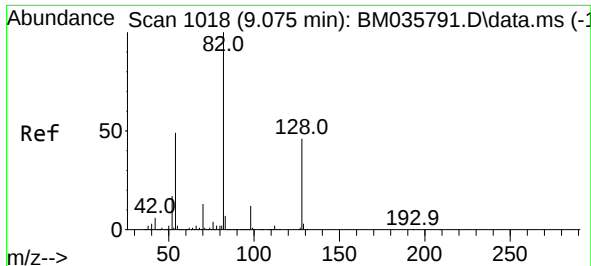
Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.716 min Scan# 1297
Delta R.T. -0.000 min
Lab File: BM035798.D
Acq: 13 Jul 2022 17:34

Tgt Ion:136 Resp: 1721356
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 7.3 7.0 10.4
68 5.8 4.3 6.5





#23

Nitrobenzene-d5

Concen: 1.721 ng

RT: 9.069 min Scan# 1018

Delta R.T. -0.006 min

Lab File: BM035798.D

Acq: 13 Jul 2022 17:34

Instrument :

BNA_M

ClientSampleId :

NB-08-070822DL

Tgt Ion: 82 Resp: 51820

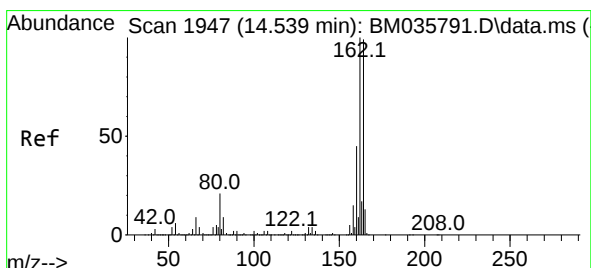
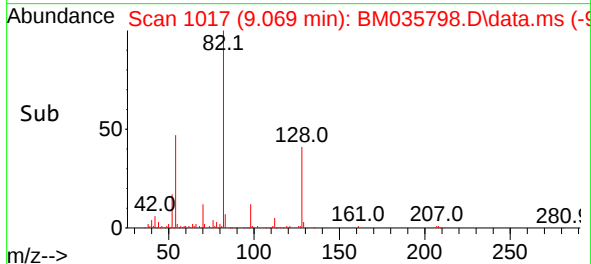
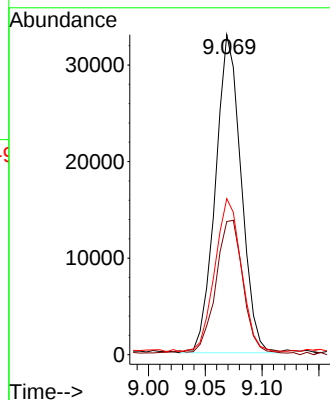
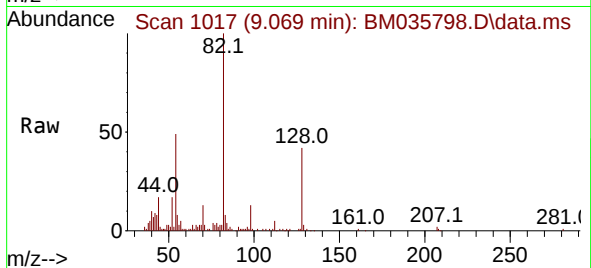
Ion	Ratio	Lower	Upper
82	100		
128	41.6	33.7	50.5
54	48.8	43.2	64.8

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.539 min Scan# 1947

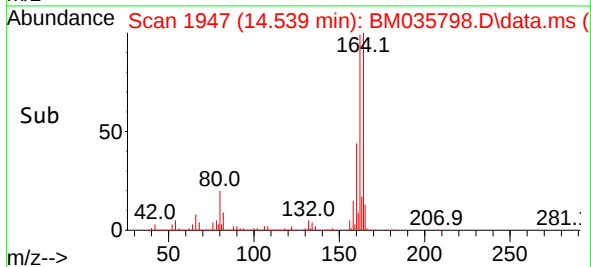
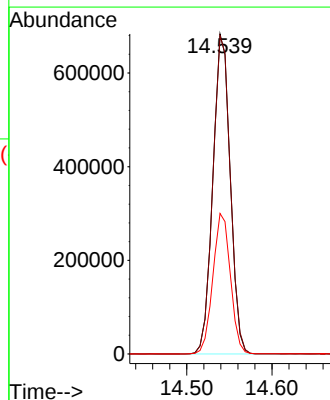
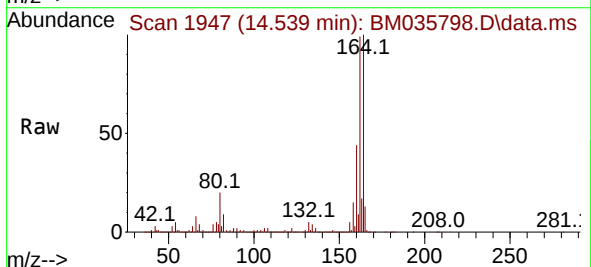
Delta R.T. 0.000 min

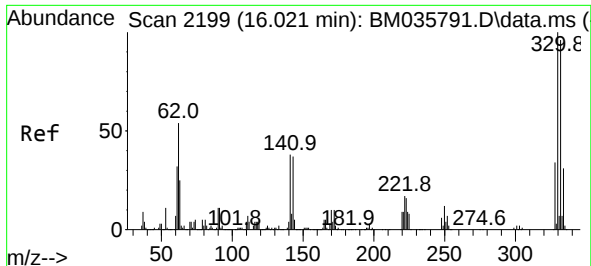
Lab File: BM035798.D

Acq: 13 Jul 2022 17:34

Tgt Ion:164 Resp: 966263

Ion	Ratio	Lower	Upper
164	100		
162	99.5	83.0	124.6
160	43.9	37.0	55.4





#42
2,4,6-Tribromophenol
Concen: 2.584 ng
RT: 16.021 min Scan# 2199
Delta R.T. -0.000 min
Lab File: BM035798.D
Acq: 13 Jul 2022 17:34

Instrument :

BNA_M

ClientSampleId :

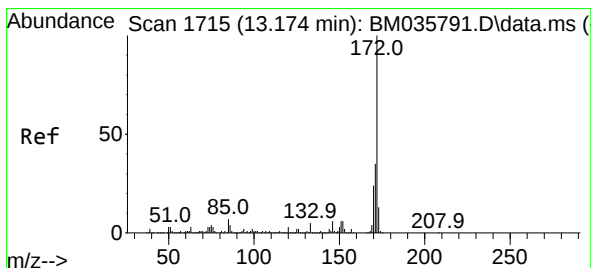
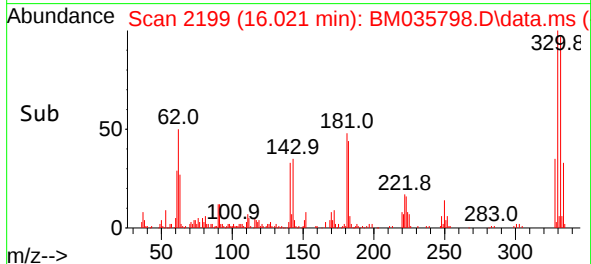
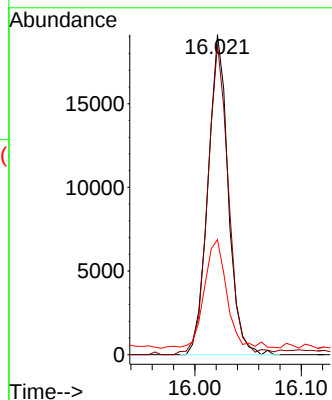
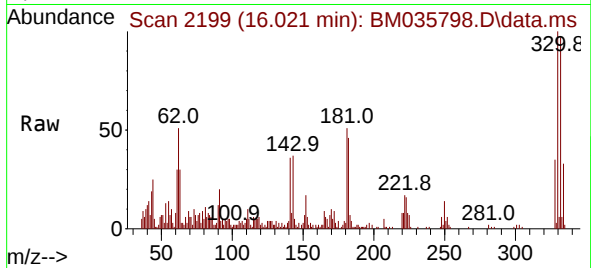
NB-08-070822DL

Tgt Ion:330 Resp: 2535
Ion Ratio Lower Upper
330 100
332 99.7 77.0 115.4
141 40.0 35.3 52.9

Manual Integrations

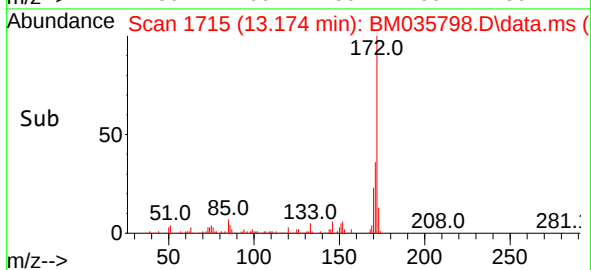
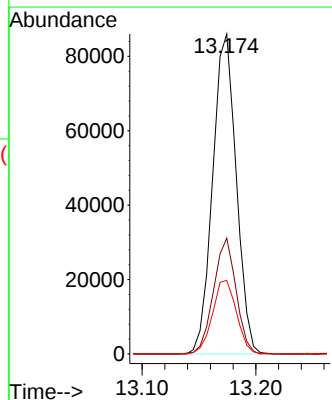
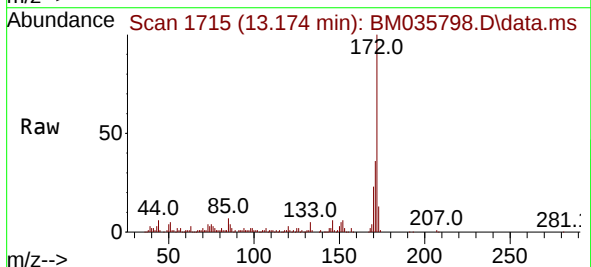
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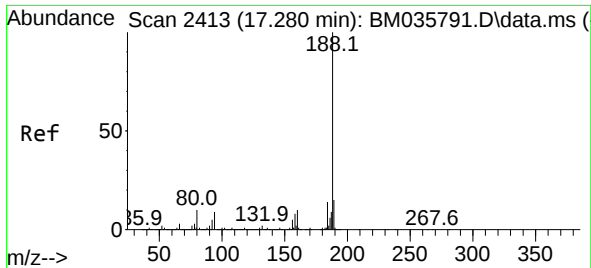
Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022



#45
2-Fluorobiphenyl
Concen: 1.790 ng
RT: 13.174 min Scan# 1715
Delta R.T. -0.000 min
Lab File: BM035798.D
Acq: 13 Jul 2022 17:34

Tgt Ion:172 Resp: 123996
Ion Ratio Lower Upper
172 100
171 36.2 28.5 42.7
170 23.0 18.7 28.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.280 min Scan# 2413
Delta R.T. 0.000 min
Lab File: BM035798.D
Acq: 13 Jul 2022 17:34

Instrument :

BNA_M

ClientSampleId :

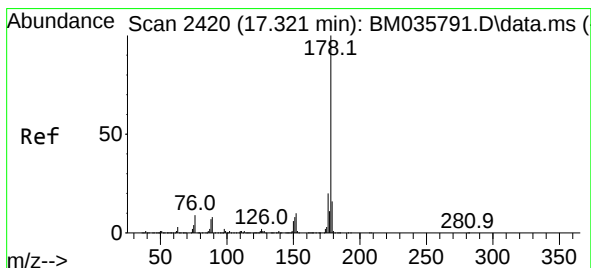
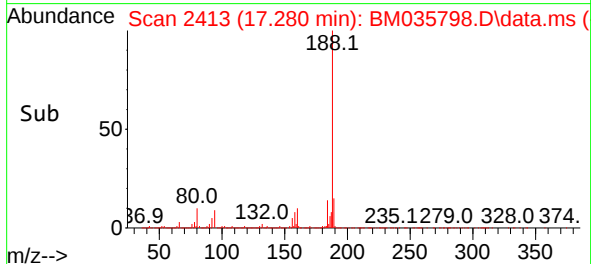
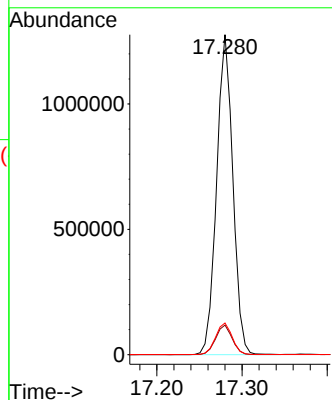
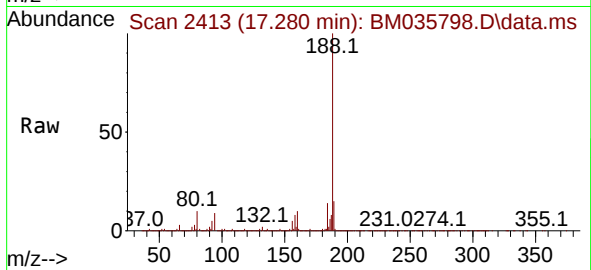
NB-08-070822DL

Tgt Ion:188 Resp: 168714
Ion Ratio Lower Upper
188 100
94 9.2 7.0 10.4
80 9.9 7.6 11.4

Manual Integrations

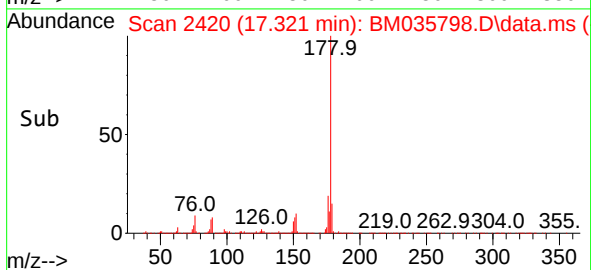
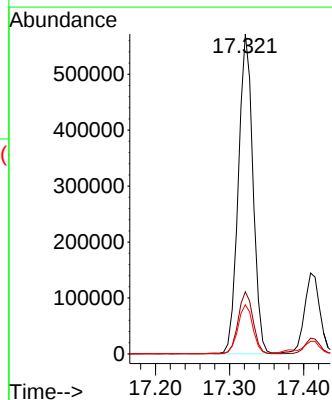
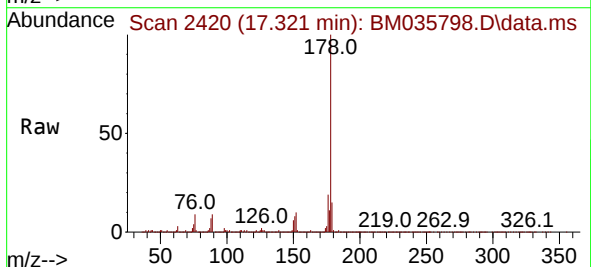
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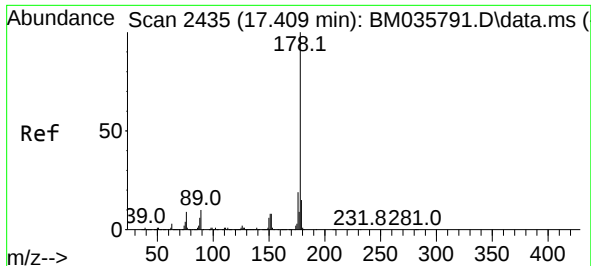
Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022



#71
Phenanthrene
Concen: 8.828 ng
RT: 17.321 min Scan# 2420
Delta R.T. 0.000 min
Lab File: BM035798.D
Acq: 13 Jul 2022 17:34

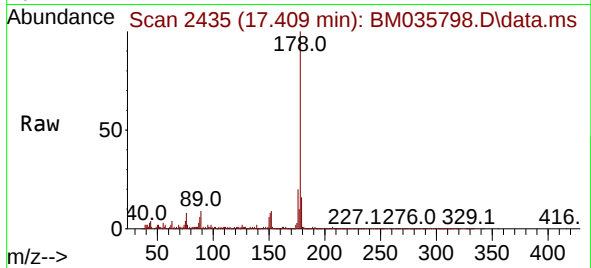
Tgt Ion:178 Resp: 782415
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.0
179 15.4 12.4 18.6





#72
 Anthracene
 Concen: 2.375 ng
 RT: 17.409 min Scan# 2435
 Delta R.T. 0.000 min
 Lab File: BM035798.D
 Acq: 13 Jul 2022 17:34

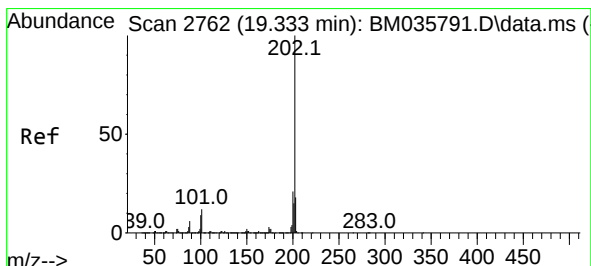
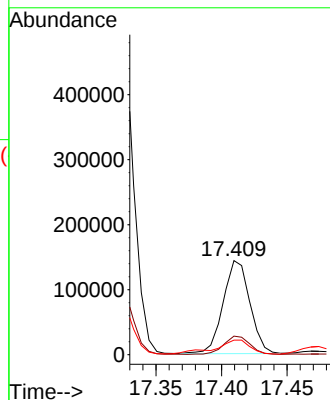
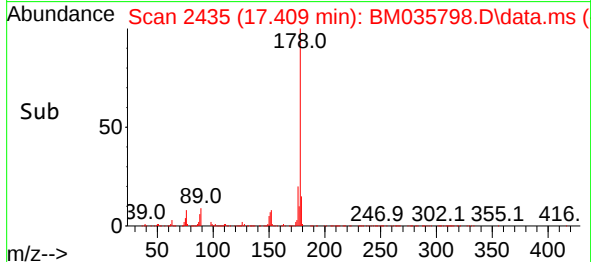
Instrument :
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 ClientSampleId :
 NB-08-070822DL



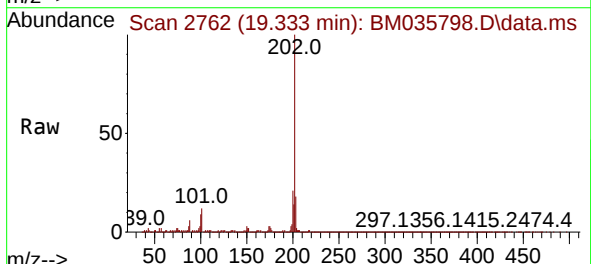
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 Ion Ratio Lower Upper
 178 100
 176 19.7 15.0 22.4
 179 15.6 12.2 18.2

Manual Integrations
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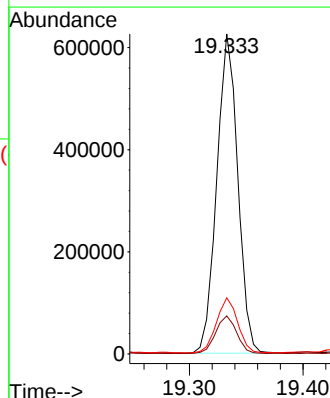
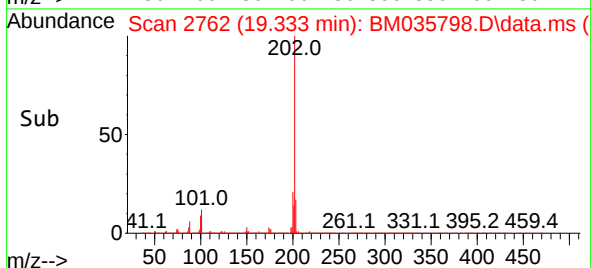
Reviewed By :Christian Giraldo 07/14/2022
 Supervised By :Jagrut Upadhyay 07/14/2022

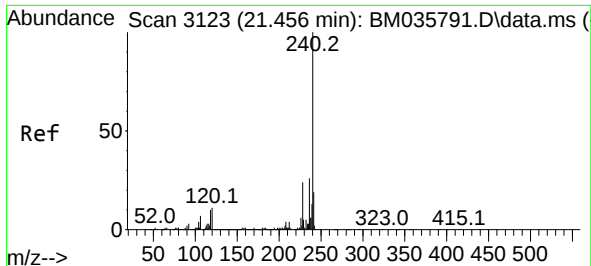


#75
 Fluoranthene
 Concen: 8.104 ng
 RT: 19.333 min Scan# 2762
 Delta R.T. -0.000 min
 Lab File: BM035798.D
 Acq: 13 Jul 2022 17:34



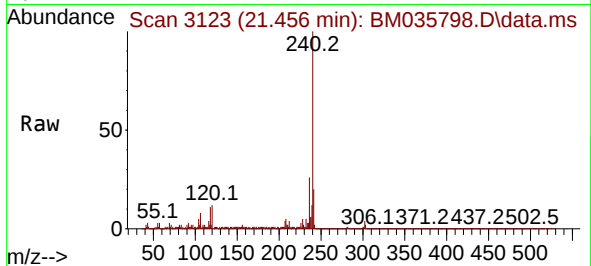
Tgt Ion:202 Resp: 803275
 Ion Ratio Lower Upper
 202 100
 101 11.9 0.0 30.6
 203 17.6 0.0 37.4





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.456 min Scan# 3123
Delta R.T. 0.000 min
Lab File: BM035798.D
Acq: 13 Jul 2022 17:34

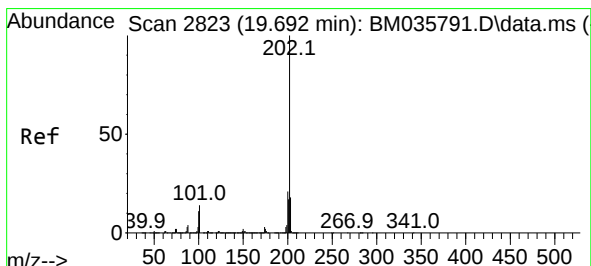
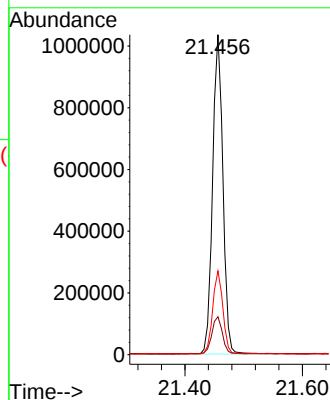
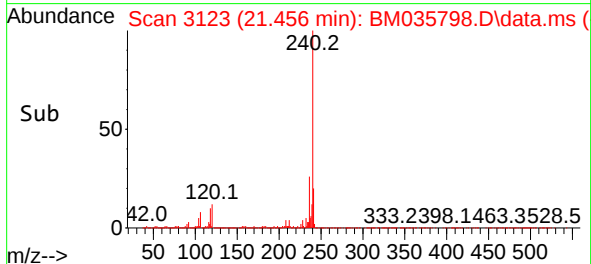
Instrument :
BNA_M
ClientSampleId :
NB-08-070822DL



Tgt Ion:240 Resp: 1257494
Ion Ratio Lower Upper
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120 11.9 9.4 14.0
236 26.2 20.6 30.8

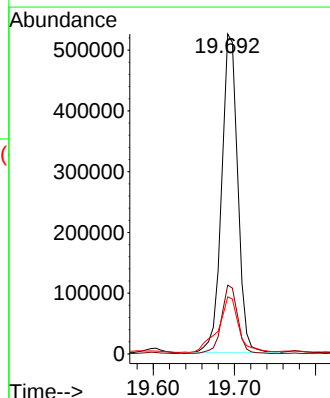
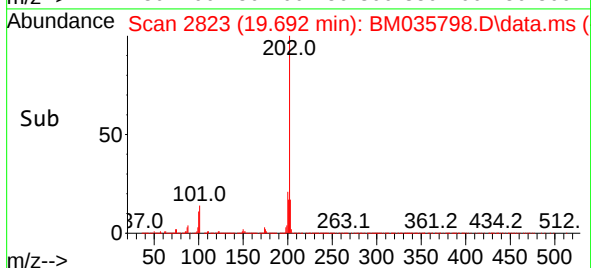
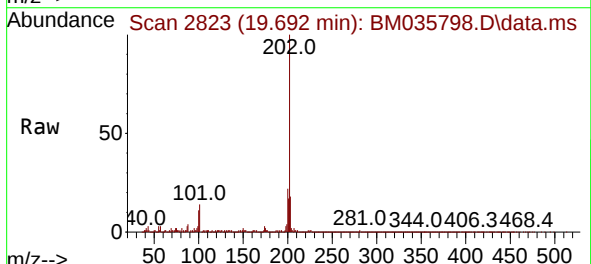
Manual Integrations
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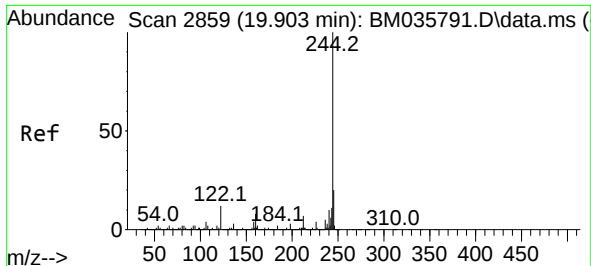
Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022



#78
Pyrene
Concen: 9.180 ng
RT: 19.692 min Scan# 2823
Delta R.T. -0.000 min
Lab File: BM035798.D
Acq: 13 Jul 2022 17:34

Tgt Ion:202 Resp: 724986
Ion Ratio Lower Upper
202 100
200 21.5 16.7 25.1
203 17.8 13.9 20.9





#79
 Terphenyl-d14
 Concen: 2.020 ng
 RT: 19.903 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BM035798.D
 Acq: 13 Jul 2022 17:34

Instrument :

BNA_M

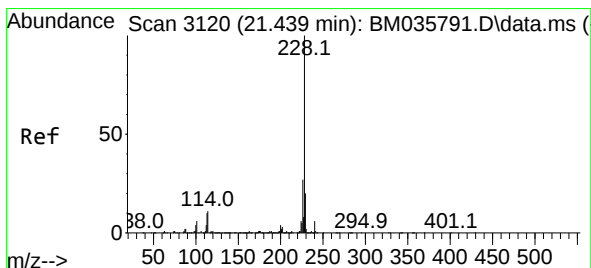
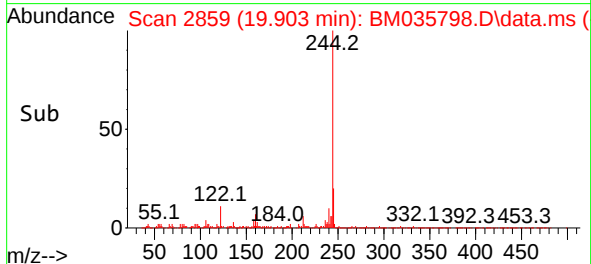
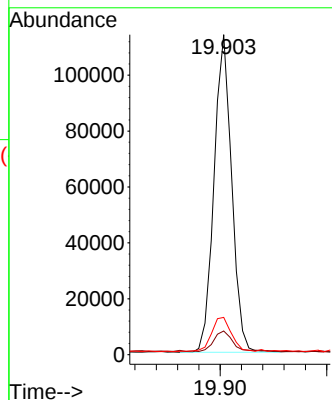
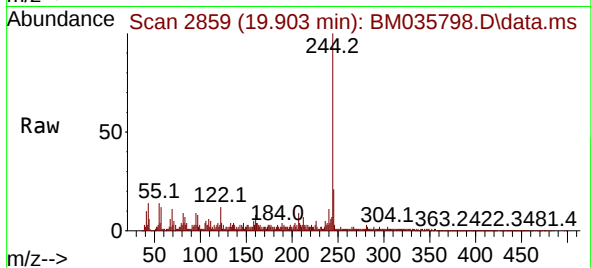
ClientSampleId :

NB-08-070822DL

Tgt Ion:244 Resp: 13082
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.2 9.4
 122 11.7 8.3 12.5

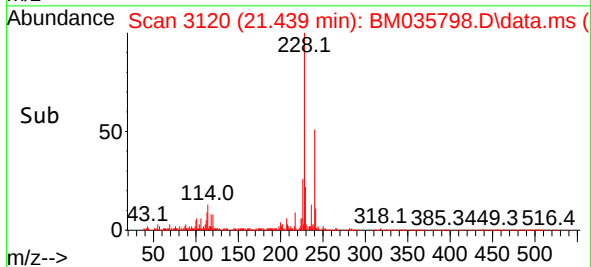
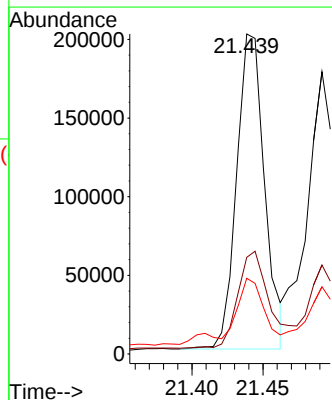
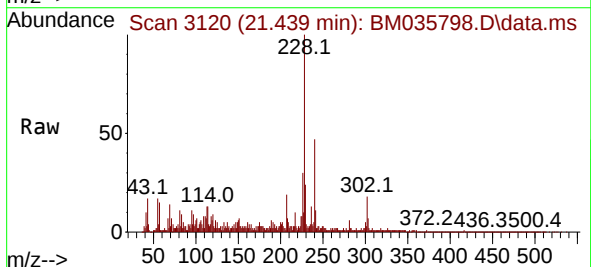
Manual Integrations
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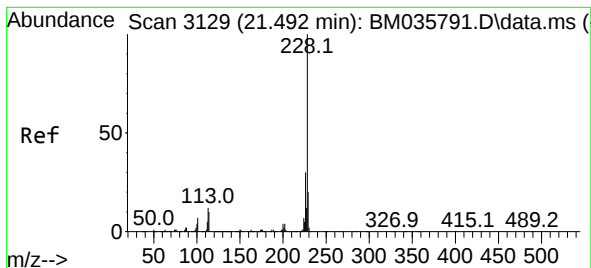
Reviewed By :Christian Giraldo 07/14/2022
 Supervised By :Jagrut Upadhyay 07/14/2022



#81
 Benzo(a)anthracene
 Concen: 3.481 ng
 RT: 21.439 min Scan# 3120
 Delta R.T. -0.000 min
 Lab File: BM035798.D
 Acq: 13 Jul 2022 17:34

Tgt Ion:228 Resp: 274596
 Ion Ratio Lower Upper
 228 100
 226 30.2 22.3 33.5
 229 23.7 15.8 23.6#





#83

Chrysene

Concen: 3.327 ng m

RT: 21.491 min Scan# 3129

Delta R.T. -0.001 min

Lab File: BM035798.D

Acq: 13 Jul 2022 17:34

Instrument :

BNA_M

ClientSampleId :

NB-08-070822DL

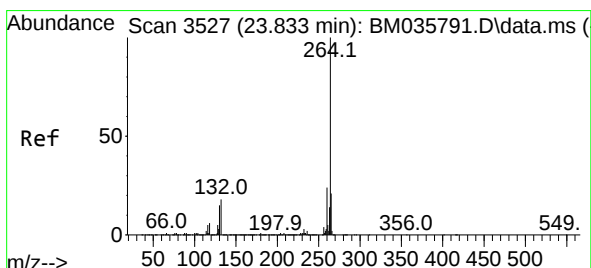
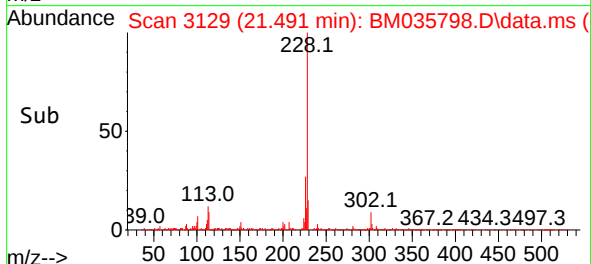
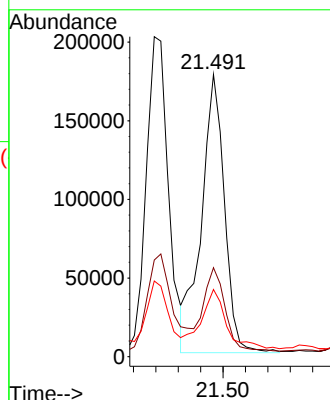
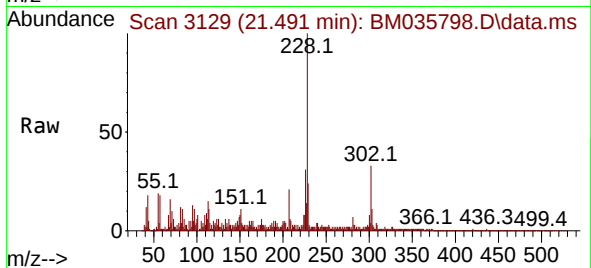
Tgt Ion:	228	Resp:	253409
Ion Ratio	Lower	Upper	
228	100		
226	31.5	24.4	36.6
229	23.8	15.8	23.8

Manual Integrations

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Reviewed By :Christian Giraldo 07/14/2022

Supervised By :Jagrut Upadhyay 07/14/2022



#86

Perylene-d12

Concen: 20.000 ng

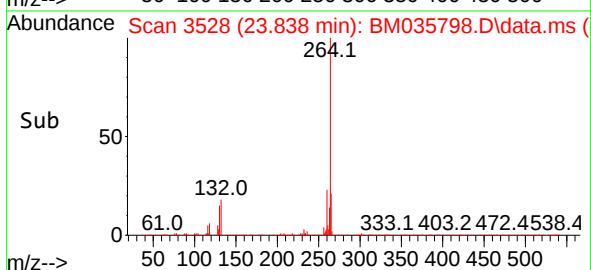
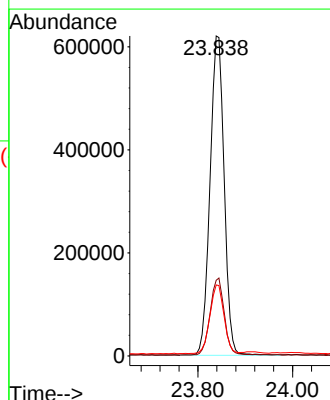
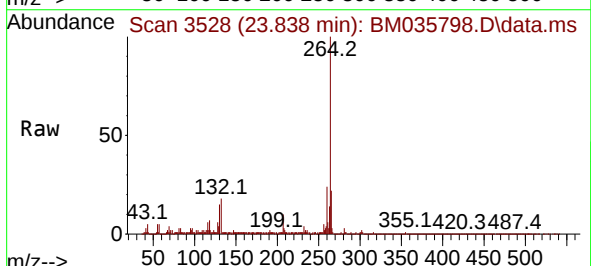
RT: 23.838 min Scan# 3528

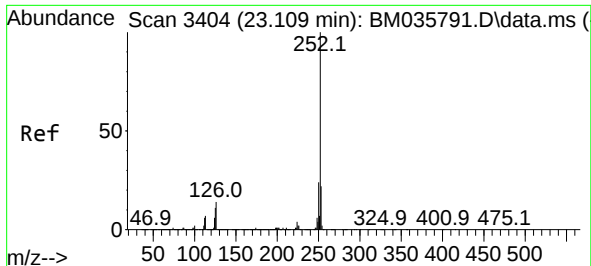
Delta R.T. 0.005 min

Lab File: BM035798.D

Acq: 13 Jul 2022 17:34

Tgt Ion:	264	Resp:	1283016
Ion Ratio	Lower	Upper	
264	100		
260	23.7	18.9	28.3
265	22.2	17.5	26.3





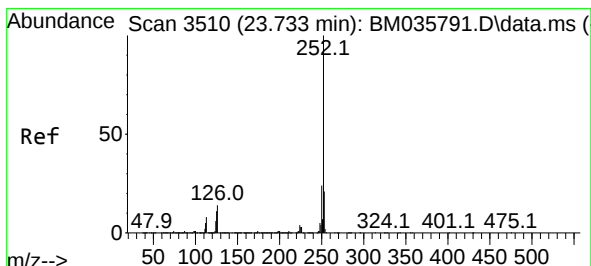
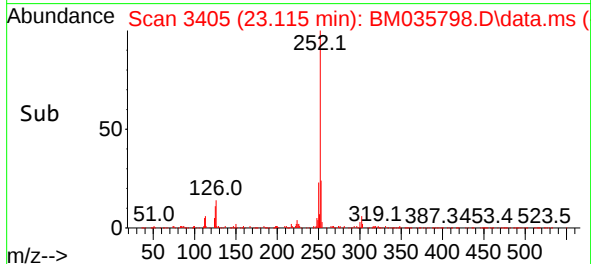
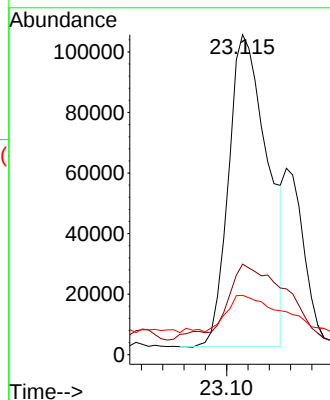
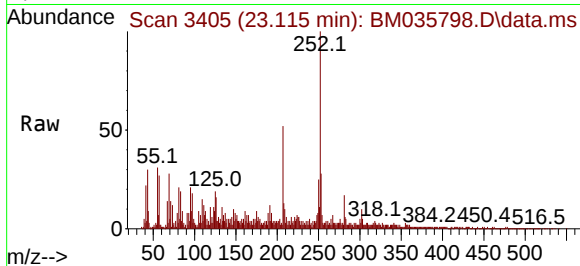
#88
Benzo(b)fluoranthene
Concen: 3.401 ng
RT: 23.115 min Scan# 3405
Delta R.T. 0.006 min
Lab File: BM035798.D
Acq: 13 Jul 2022 17:34

Instrument :
BNA_M
ClientSampleId :
NB-08-070822DL

Tgt Ion:252 Resp: 26353
Ion Ratio Lower Upper
252 100
253 28.3 17.6 26.4
125 18.5 7.6 11.4

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022



#90
Benzo(a)pyrene
Concen: 3.114 ng
RT: 23.733 min Scan# 3510
Delta R.T. -0.000 min
Lab File: BM035798.D
Acq: 13 Jul 2022 17:34

Tgt Ion:252 Resp: 201900
Ion Ratio Lower Upper
252 100
253 25.5 17.2 25.8
125 17.4 8.7 13.1

