

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111022\
 Data File : BM037454.D
 Acq On : 10 Nov 2022 16:47
 Operator : CG/JU
 Sample : N5511-03DL 10X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PL-04-110722DL

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 11/11/2022
 Supervised By :Jagrut Upadhyay 11/11/2022

Quant Time: Nov 10 17:36:02 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102822.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 09 02:08:14 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.810	152	322157	20.000	ng	-0.01
21) Naphthalene-d8	10.610	136	1230922	20.000	ng	-0.02
39) Acenaphthene-d10	14.451	164	663936	20.000	ng	-0.01
64) Phenanthrene-d10	17.192	188	1224244	20.000	ng	-0.01
76) Chrysene-d12	21.374	240	1212934	20.000	ng	0.00
86) Perylene-d12	23.703	264	1316611	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	159221	8.539	ng	0.00
7) Phenol-d6	6.992	99	187100	7.393	ng	-0.01
23) Nitrobenzene-d5	8.981	82	111430	4.567	ng	-0.02
42) 2,4,6-Tribromophenol	15.939	330	61747	7.892	ng	-0.02
45) 2-Fluorobiphenyl	13.074	172	258421	5.172	ng	-0.02
79) Terphenyl-d14	19.815	244	336582	4.976	ng	-0.01
Target Compounds						
						Qvalue
31) Naphthalene	10.657	128	240669	3.451	ng	98
37) 2-Methylnaphthalene	12.274	142	105024	2.223	ng	99
52) Acenaphthene	14.510	154	126054	3.081	ng	95
55) Dibenzofuran	14.845	168	196866	3.124	ng	99
58) Fluorene	15.498	166	260136	4.945	ng	98
71) Phenanthrene	17.233	178	1937578	25.510	ng	100
72) Anthracene	17.327	178	526183	7.318	ng	100
73) Carbazole	17.604	167	157160	2.383	ng	99
75) Fluoranthene	19.250	202	2000102	24.912	ng	99
78) Pyrene	19.609	202	1706828	18.300	ng	99
81) Benzo(a)anthracene	21.356	228	906675	10.500	ng	99
83) Chrysene	21.409	228	702799	8.448	ng	98
87) Indeno(1,2,3-cd)pyrene	26.109	276	479032	4.444	ng	95
88) Benzo(b)fluoranthene	22.997	252	957495	10.475	ng	98
89) Benzo(k)fluoranthene	23.038	252	315053m	3.379	ng	
90) Benzo(a)pyrene	23.597	252	754884	10.136	ng	96
92) Benzo(g,h,i)perylene	26.850	276	467215	5.362	ng	99

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

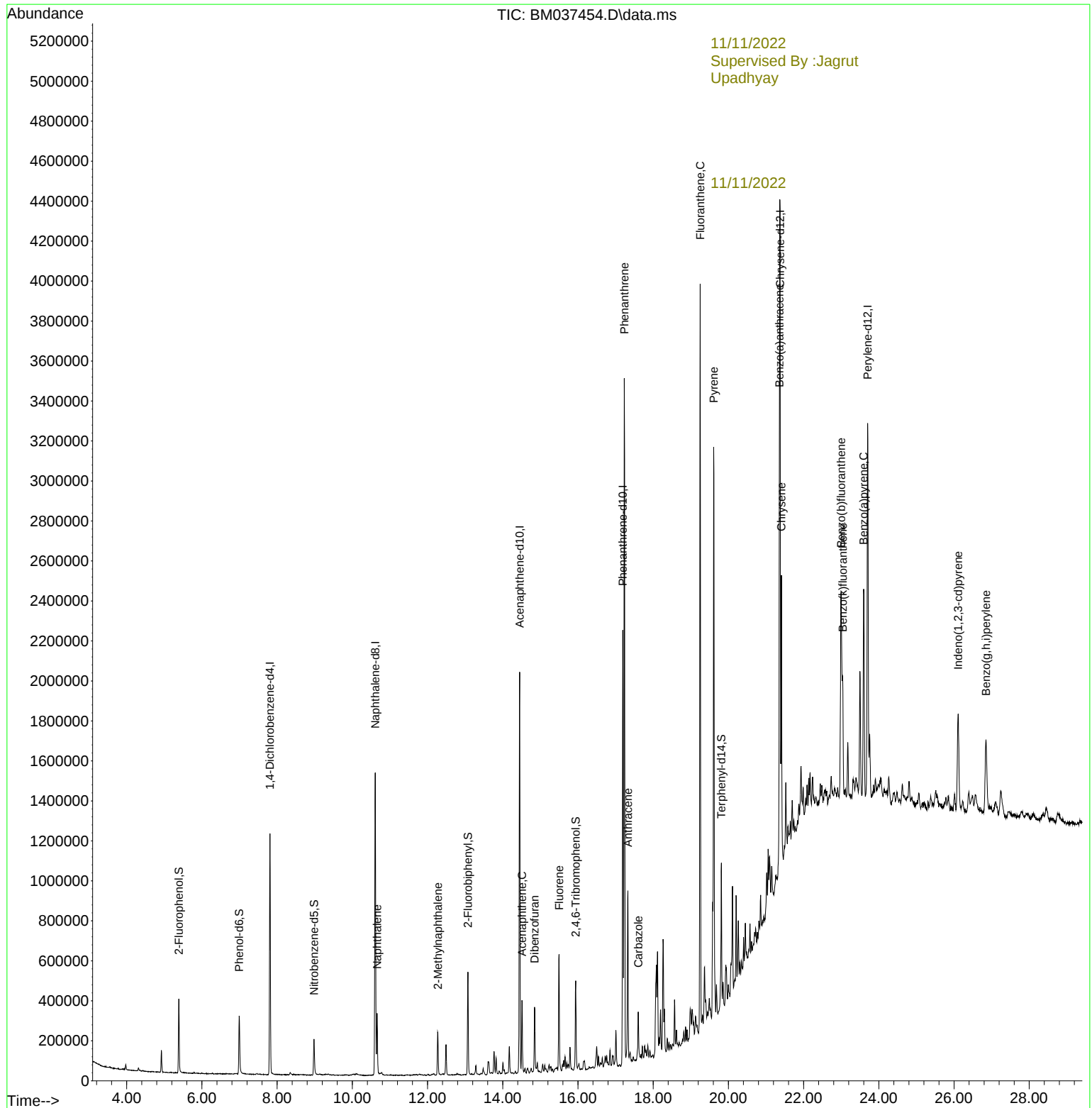
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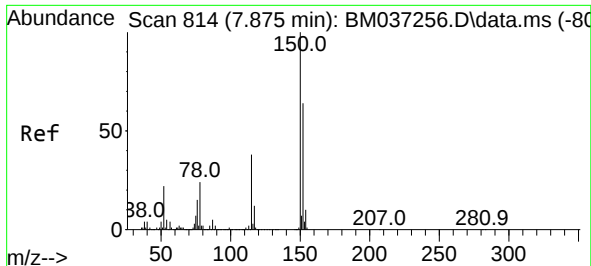
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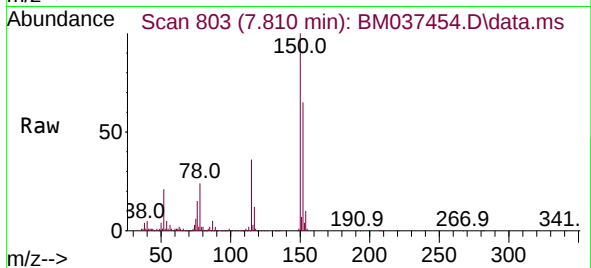
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Supervised By :Jagrut Upadhyay 11/11/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.810 min Scan# 80
Delta R.T. -0.012 min
Lab File: BM037454.D
Acq: 10 Nov 2022 16:47

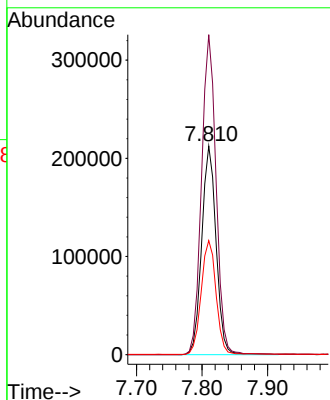
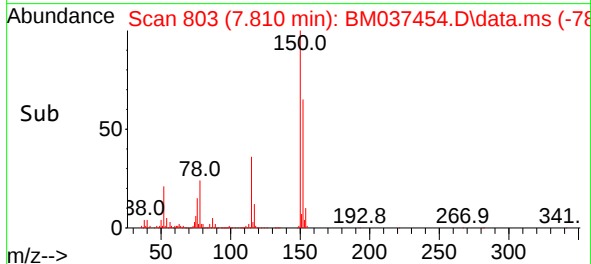
Instrument :
BNA_M
ClientSampleId :
PL-04-110722DL



Tgt Ion:152 Resp: 32215
Ion Ratio Lower Upper
152 100
150 153.4 124.8 187.2
115 54.7 47.0 70.4

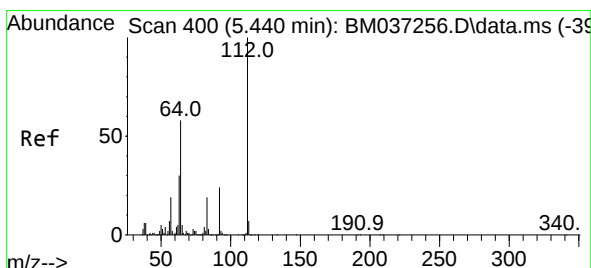
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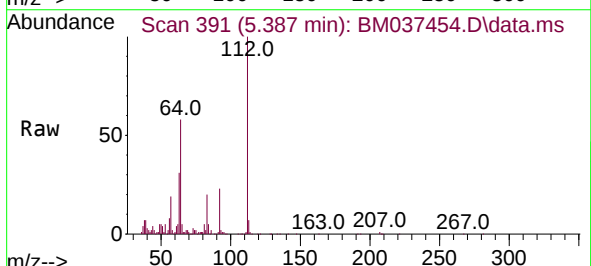


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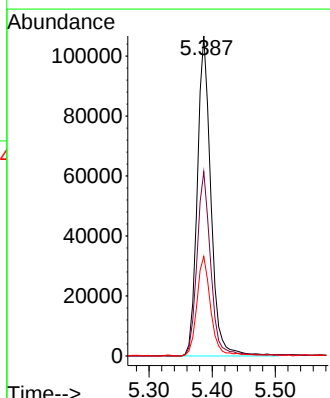
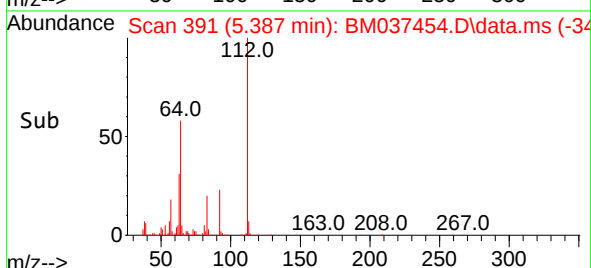
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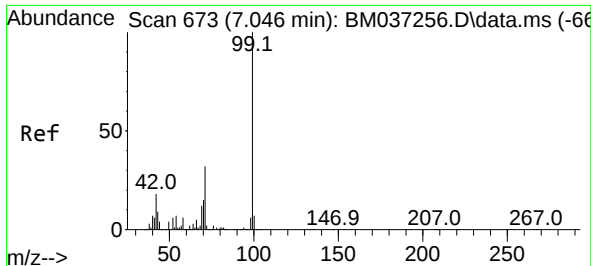


#5
2-Fluorophenol
Concen: 8.539 ng
RT: 5.387 min Scan# 391
Delta R.T. -0.006 min
Lab File: BM037454.D
Acq: 10 Nov 2022 16:47



Tgt Ion:112 Resp: 159221
Ion Ratio Lower Upper
112 100
64 57.6 46.8 70.2
63 31.1 24.4 36.6





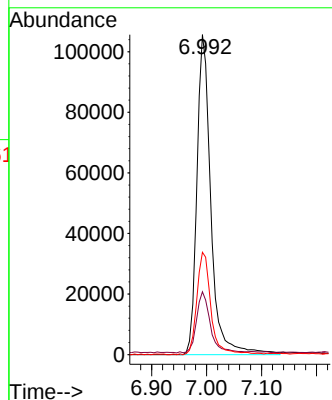
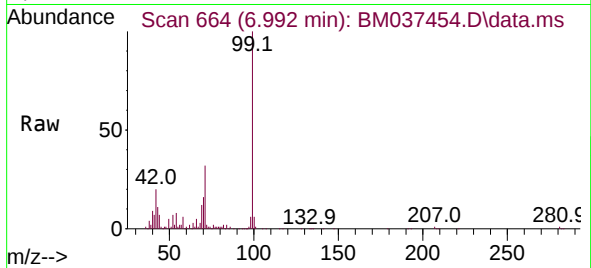
#7
Phenol-d6
Concen: 7.393 ng
RT: 6.992 min Scan# 60
Delta R.T. -0.012 min
Lab File: BM037454.D
Acq: 10 Nov 2022 16:47

Instrument :
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ClientSampleId :
PL-04-110722DL

Tgt Ion: 99 Resp: 187100
Ion Ratio Lower Upper
99 100
42 19.6 14.8 22.2
71 32.0 25.6 38.4

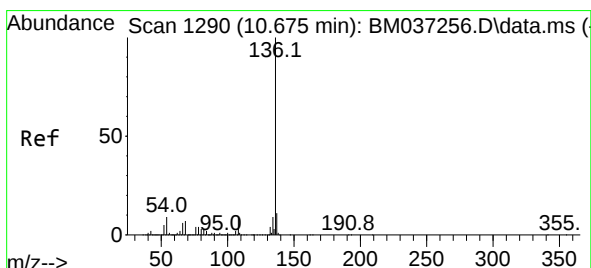
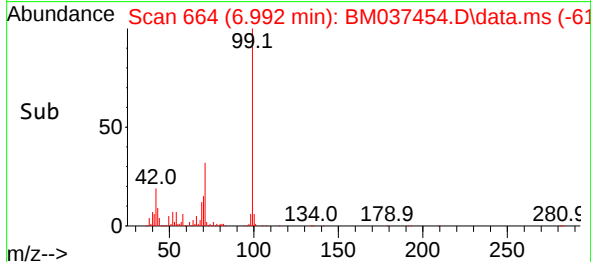
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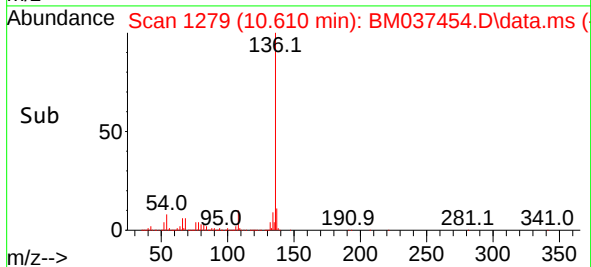
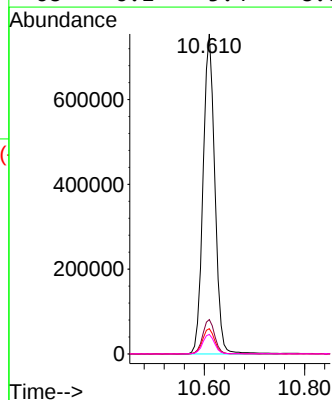
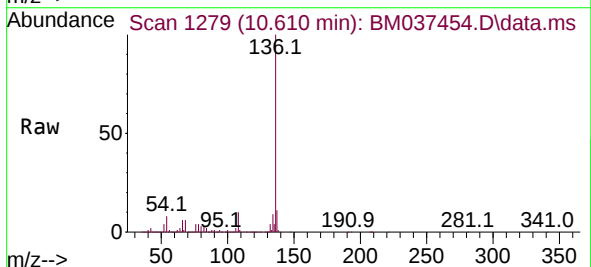
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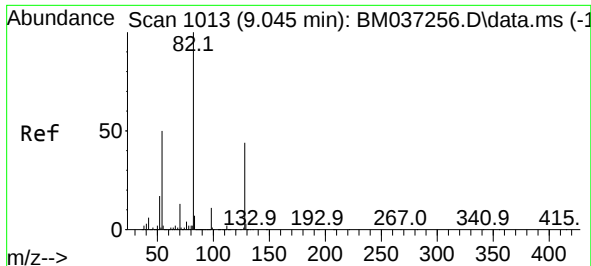
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.610 min Scan# 1279
Delta R.T. -0.018 min
Lab File: BM037454.D
Acq: 10 Nov 2022 16:47

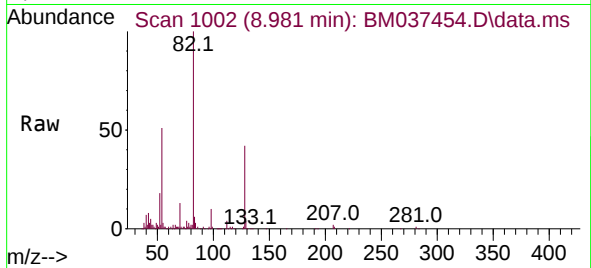
Tgt Ion:136 Resp: 1230922
Ion Ratio Lower Upper
136 100
137 10.7 9.0 13.4
54 7.9 7.0 10.4
68 6.1 5.4 8.0





#23
Nitrobenzene-d5
Concen: 4.567 ng
RT: 8.981 min Scan# 1013
Delta R.T. -0.018 min
Lab File: BM037454.D
Acq: 10 Nov 2022 16:47

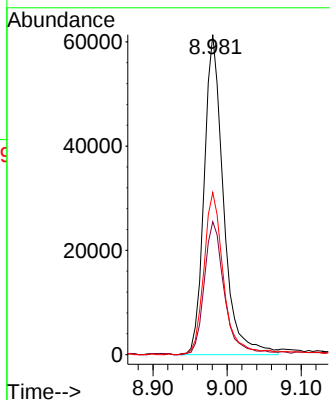
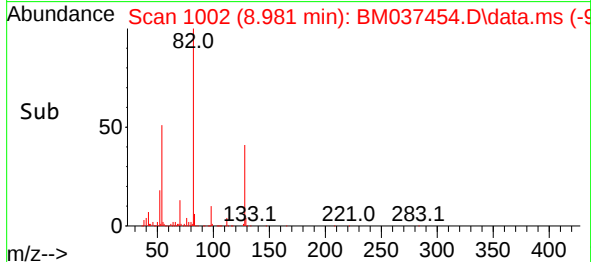
Instrument :
BNA_M
ClientSampleId :
PL-04-110722DL



Tgt Ion: 82 Resp: 111430
Ion Ratio Lower Upper
82 100
128 41.6 35.2 52.8
54 50.7 40.4 60.6

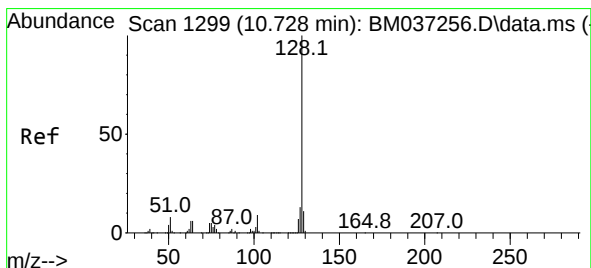
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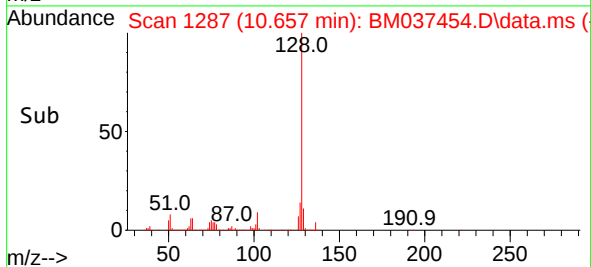
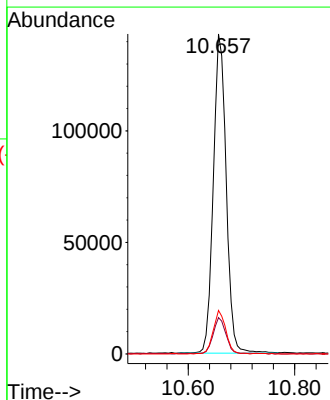
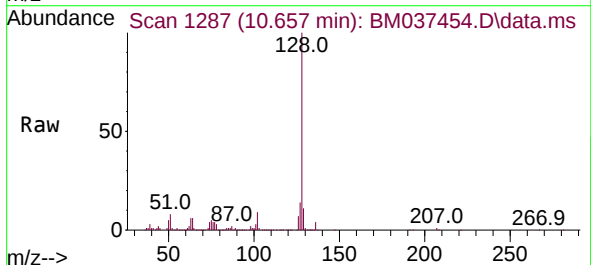
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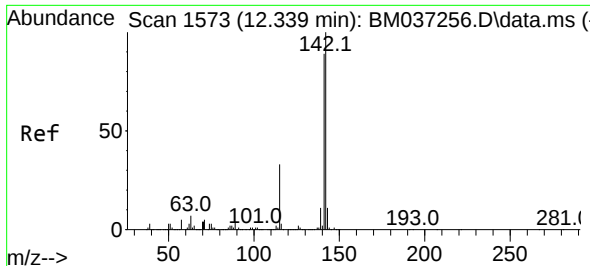
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#31
Naphthalene
Concen: 3.451 ng
RT: 10.657 min Scan# 1287
Delta R.T. -0.018 min
Lab File: BM037454.D
Acq: 10 Nov 2022 16:47

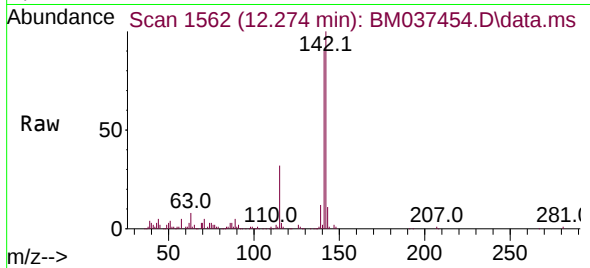
Tgt Ion:128 Resp: 240669
Ion Ratio Lower Upper
128 100
129 11.3 8.7 13.1
127 13.6 10.2 15.2





#37
2-Methylnaphthalene
Concen: 2.223 ng
RT: 12.274 min Scan# 11
Delta R.T. -0.012 min
Lab File: BM037454.D
Acq: 10 Nov 2022 16:47

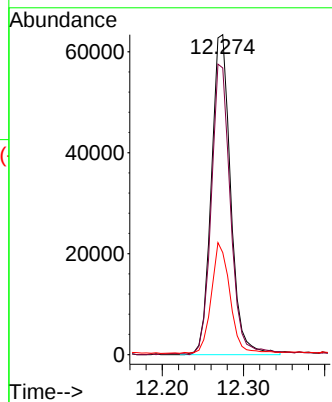
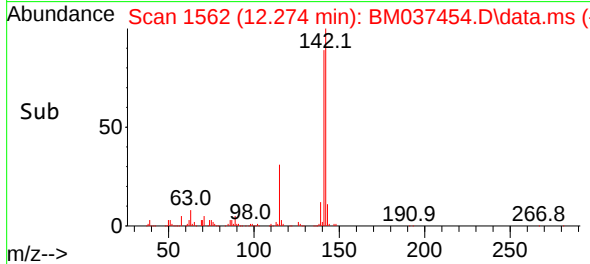
Instrument :
BNA_M
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Tgt Ion:142 Resp: 105024
Ion Ratio Lower Upper
142 100
141 89.6 71.3 106.9
115 31.9 26.0 39.0

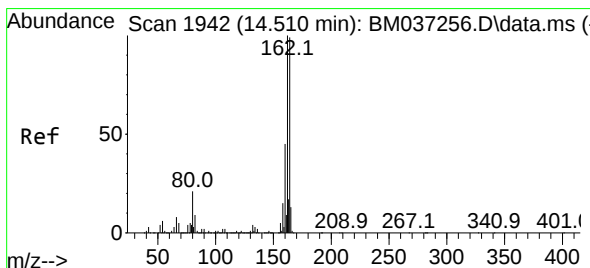
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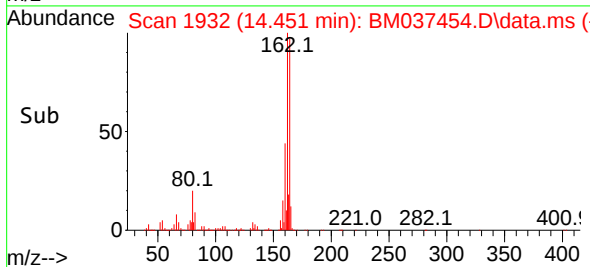
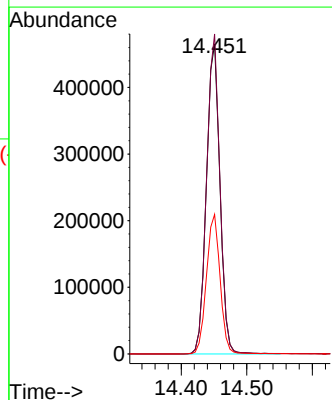
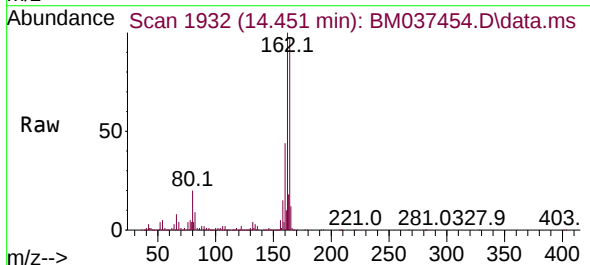
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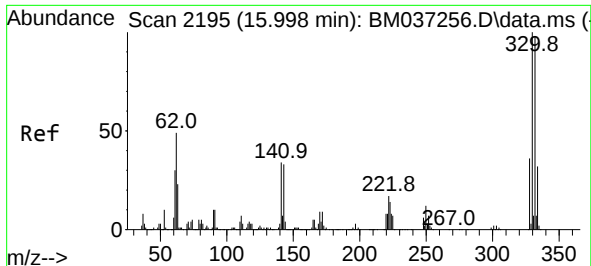
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.451 min Scan# 1932
Delta R.T. -0.012 min
Lab File: BM037454.D
Acq: 10 Nov 2022 16:47

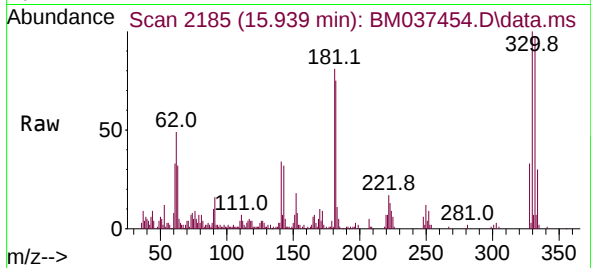
Tgt Ion:164 Resp: 663936
Ion Ratio Lower Upper
164 100
162 103.2 80.6 120.8
160 45.0 36.2 54.4





#42
2,4,6-Tribromophenol
Concen: 7.892 ng
RT: 15.939 min Scan# 2195
Delta R.T. -0.018 min
Lab File: BM037454.D
Acq: 10 Nov 2022 16:47

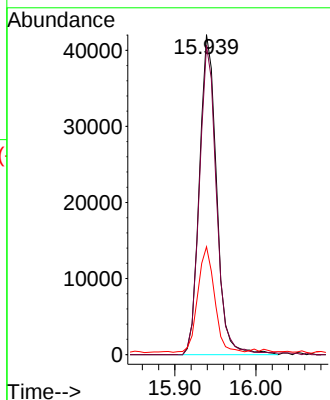
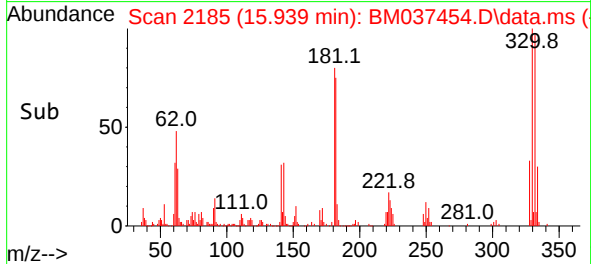
Instrument :
BNA_M
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PL-04-110722DL



Tgt Ion:330 Resp: 6174
Ion Ratio Lower Upper
330 100
332 95.8 78.0 117.0
141 32.0 27.5 41.3

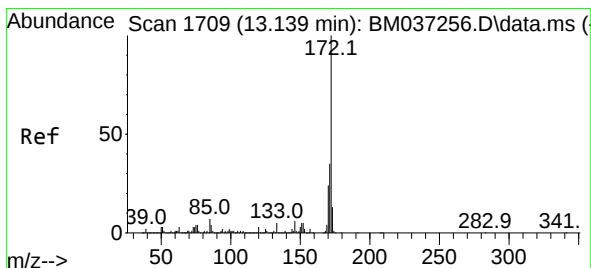
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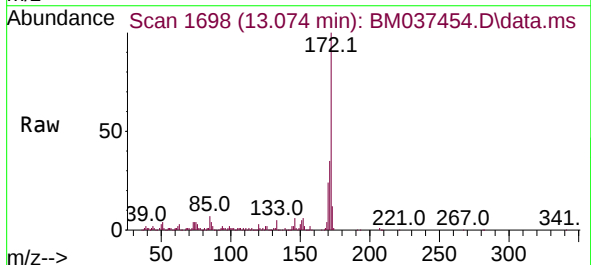


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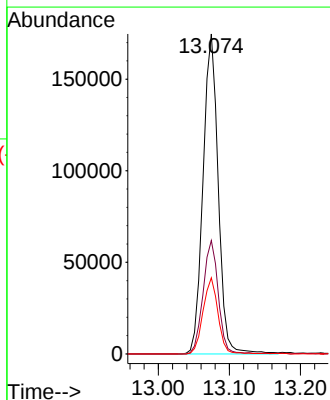
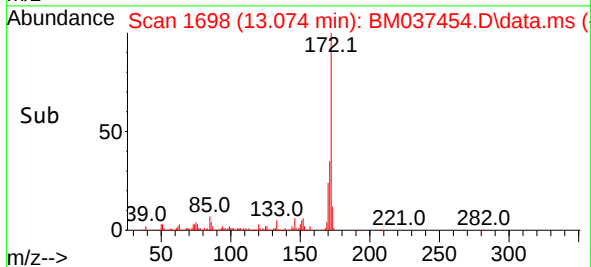
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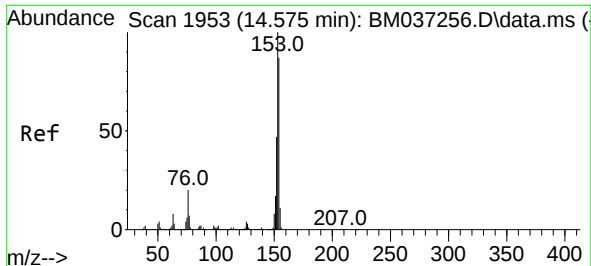


#45
2-Fluorobiphenyl
Concen: 5.172 ng
RT: 13.074 min Scan# 1698
Delta R.T. -0.018 min
Lab File: BM037454.D
Acq: 10 Nov 2022 16:47



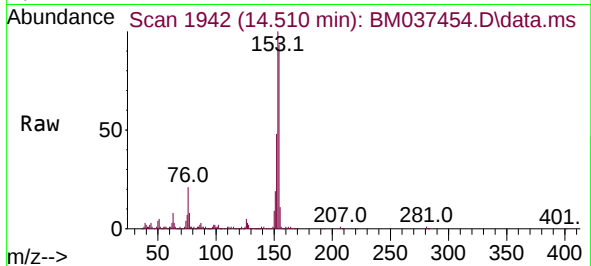
Tgt Ion:172 Resp: 258421
Ion Ratio Lower Upper
172 100
171 35.4 28.1 42.1
170 23.8 19.0 28.4





#52
Acenaphthene
Concen: 3.081 ng
RT: 14.510 min Scan# 1942
Delta R.T. -0.018 min
Lab File: BM037454.D
Acq: 10 Nov 2022 16:47

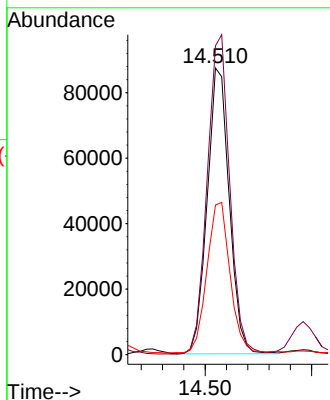
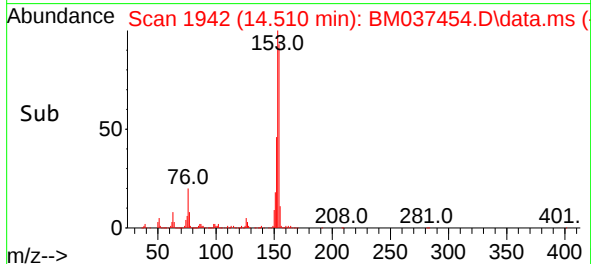
Instrument :
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Tgt Ion:154 Resp: 126054
Ion Ratio Lower Upper
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153 107.7 91.5 137.3
152 52.1 43.0 64.6

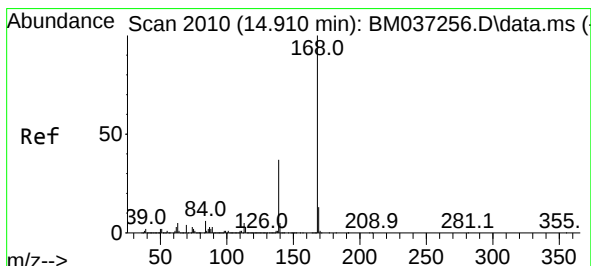
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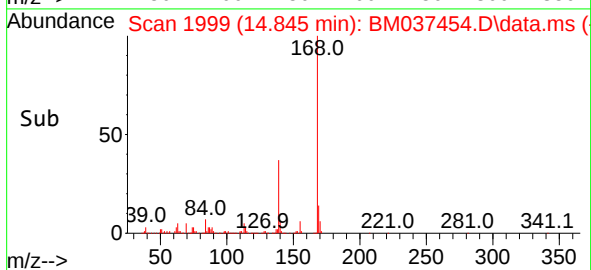
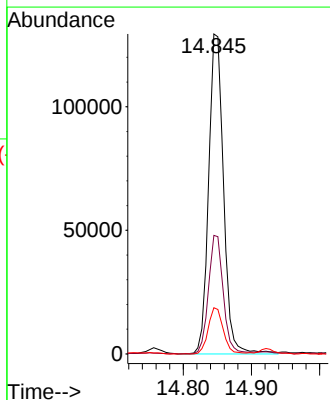
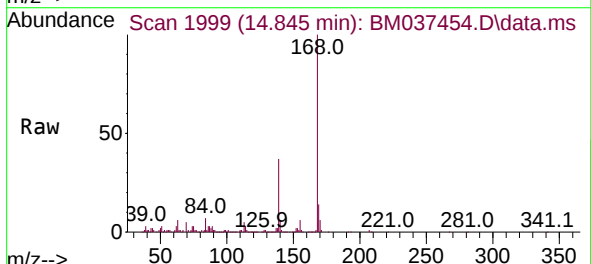
11/11/2022
Supervised By :Jagrut
Upadhyay

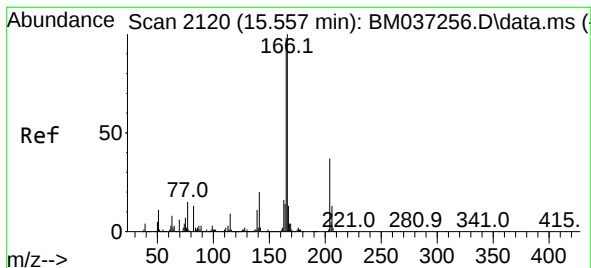
11/11/2022



#55
Dibenzofuran
Concen: 3.124 ng
RT: 14.845 min Scan# 1999
Delta R.T. -0.018 min
Lab File: BM037454.D
Acq: 10 Nov 2022 16:47

Tgt Ion:168 Resp: 196866
Ion Ratio Lower Upper
168 100
139 37.0 29.3 43.9
169 14.4 10.6 16.0





#58

Fluorene

Concen: 4.945 ng

RT: 15.498 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM037454.D

Acq: 10 Nov 2022 16:47

Instrument :

BNA_M

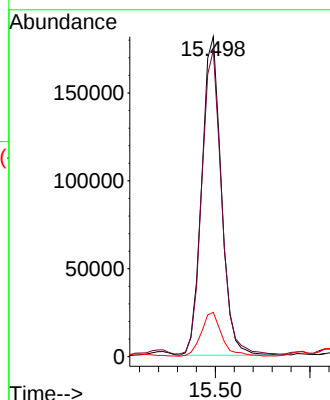
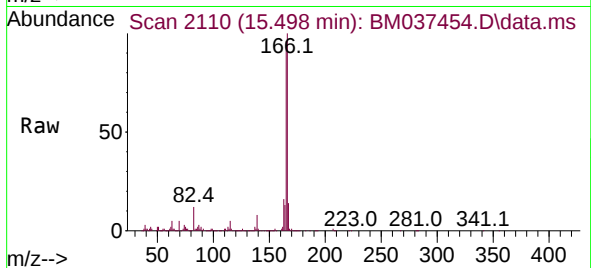
ClientSampleId :

PL-04-110722DL

Tgt Ion:166 Resp: 260136
 Ion Ratio Lower Upper
 166 100
 165 95.7 78.2 117.4
 167 13.8 10.6 15.8

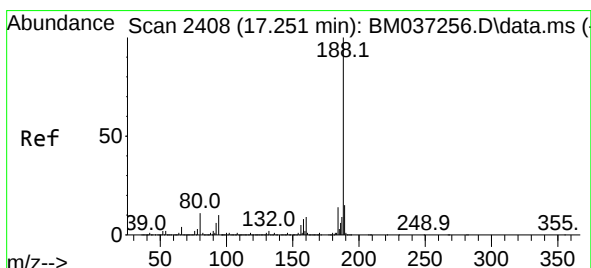
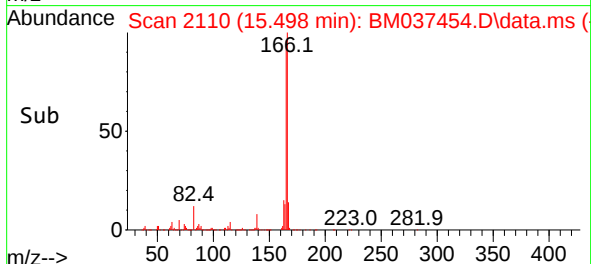
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 Supervised By :Jagrut Upadhyay 11/11/2022



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#64

Phenanthrene-d10

Concen: 20.000 ng

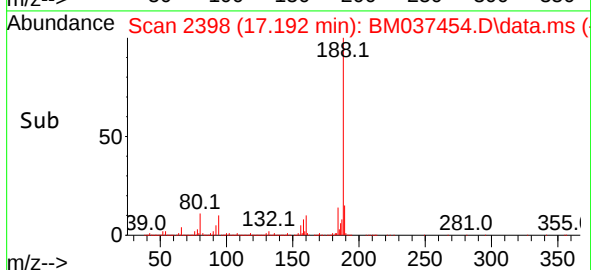
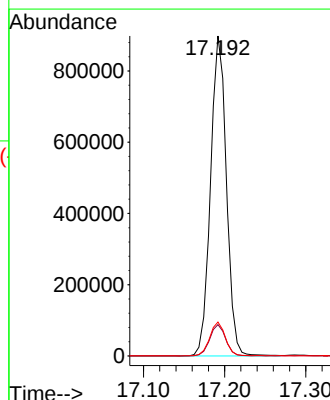
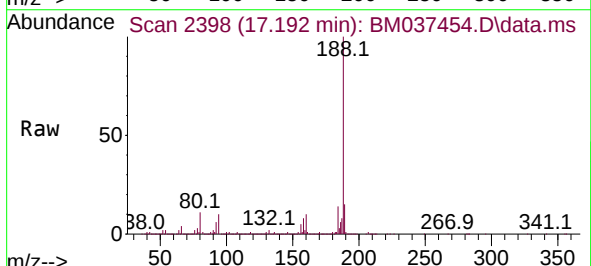
RT: 17.192 min Scan# 2398

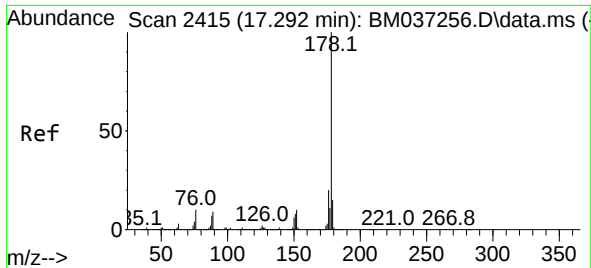
Delta R.T. -0.012 min

Lab File: BM037454.D

Acq: 10 Nov 2022 16:47

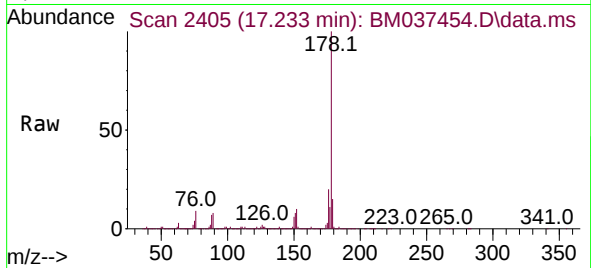
Tgt Ion:188 Resp: 1224244
 Ion Ratio Lower Upper
 188 100
 94 9.8 7.9 11.9
 80 10.6 8.5 12.7





#71
Phenanthrene
Concen: 25.510 ng
RT: 17.233 min Scan# 2415
Delta R.T. -0.018 min
Lab File: BM037454.D
Acq: 10 Nov 2022 16:47

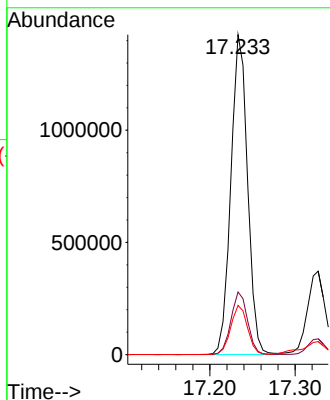
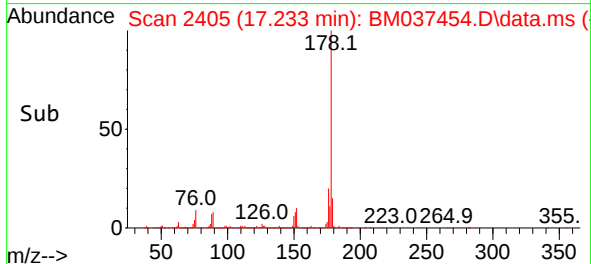
Instrument :
BNA_M
ClientSampleId :
PL-04-110722DL



Tgt Ion:178 Resp: 1937578
Ion Ratio Lower Upper
178 100
176 19.6 15.6 23.4
179 15.4 12.4 18.6

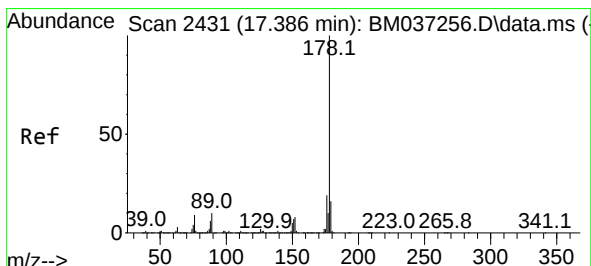
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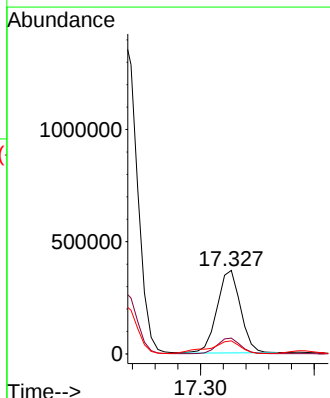
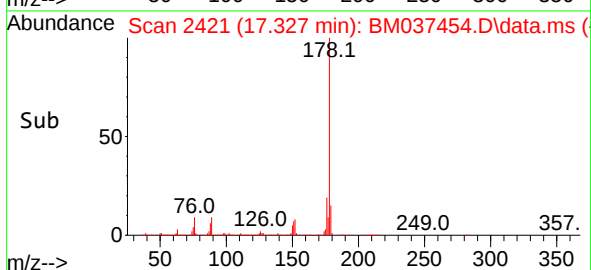
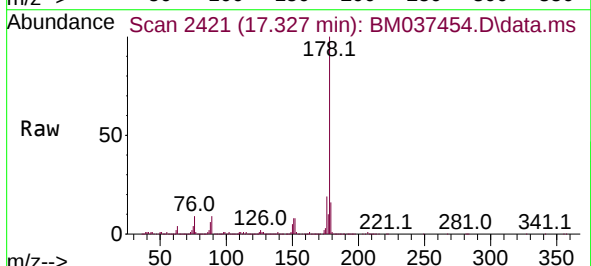
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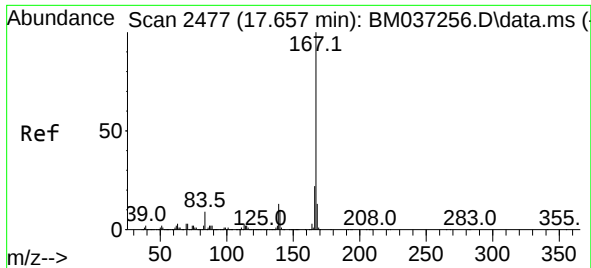
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#72
Anthracene
Concen: 7.318 ng
RT: 17.327 min Scan# 2421
Delta R.T. -0.012 min
Lab File: BM037454.D
Acq: 10 Nov 2022 16:47

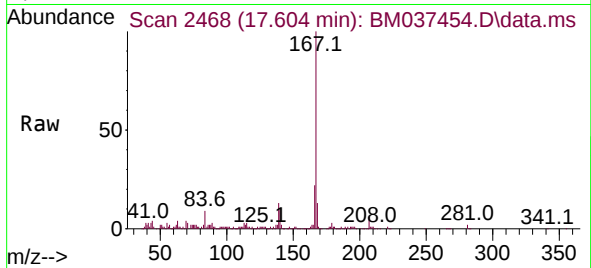
Tgt Ion:178 Resp: 526183
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.0
179 15.6 12.6 19.0





#73
 Carbazole
 Concen: 2.383 ng
 RT: 17.604 min Scan# 2477
 Delta R.T. -0.012 min
 Lab File: BM037454.D
 Acq: 10 Nov 2022 16:47

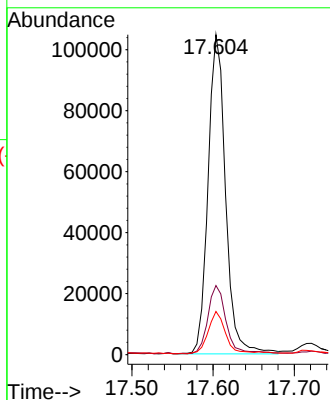
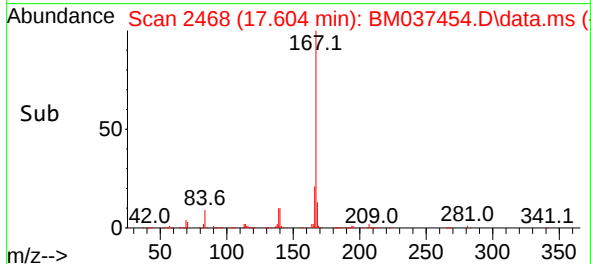
Instrument :
 BNA_M
 ClientSampleId :
 PL-04-110722DL



Tgt Ion:167 Resp: 157160
 Ion Ratio Lower Upper
 167 100
 166 21.6 17.4 26.2
 139 13.5 10.4 15.6

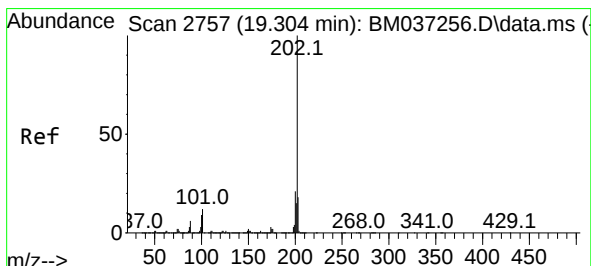
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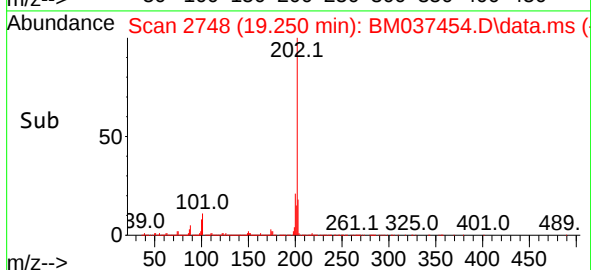
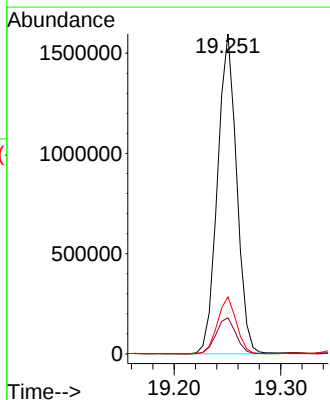
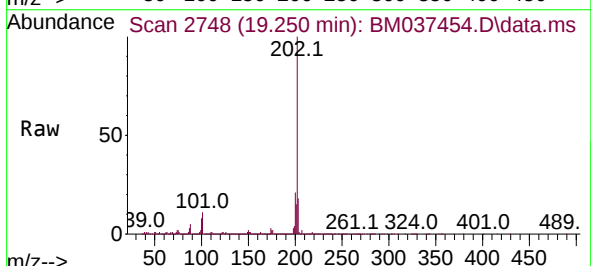
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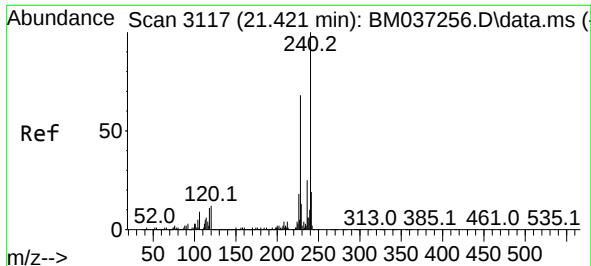
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#75
 Fluoranthene
 Concen: 24.912 ng
 RT: 19.250 min Scan# 2748
 Delta R.T. -0.012 min
 Lab File: BM037454.D
 Acq: 10 Nov 2022 16:47

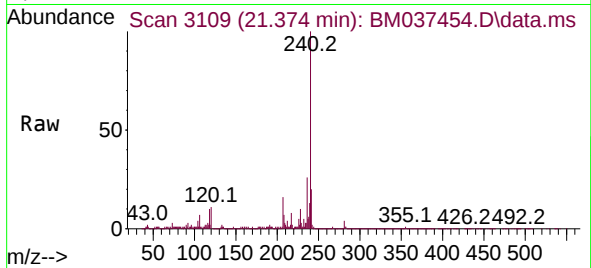
Tgt Ion:202 Resp: 2000102
 Ion Ratio Lower Upper
 202 100
 101 11.3 0.0 32.4
 203 17.8 0.0 37.8





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.374 min Scan# 3117
Delta R.T. -0.006 min
Lab File: BM037454.D
Acq: 10 Nov 2022 16:47

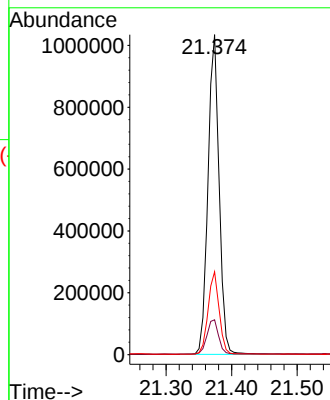
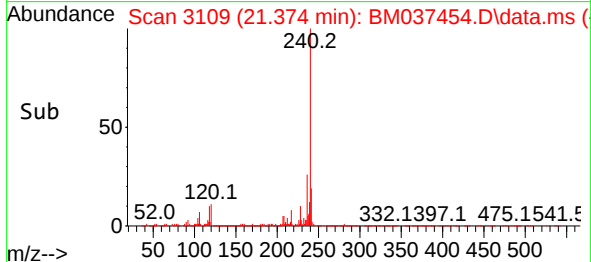
Instrument :
BNA_M
ClientSampleId :
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Tgt Ion:240 Resp: 1212934
Ion Ratio Lower Upper
240 100
120 10.9 9.9 14.9
236 25.9 20.3 30.5

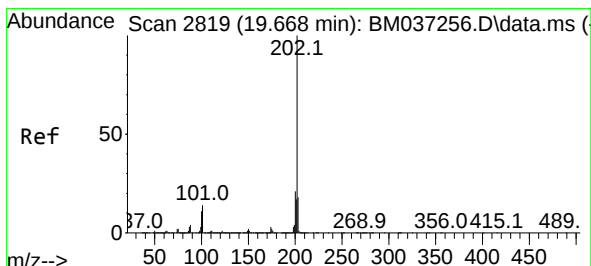
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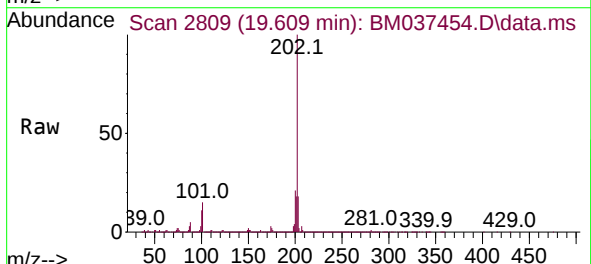


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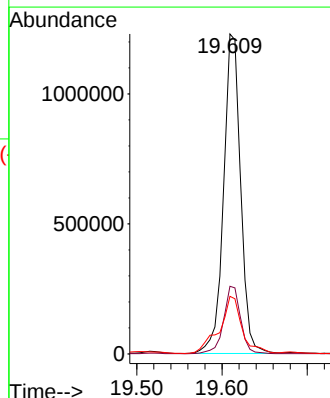
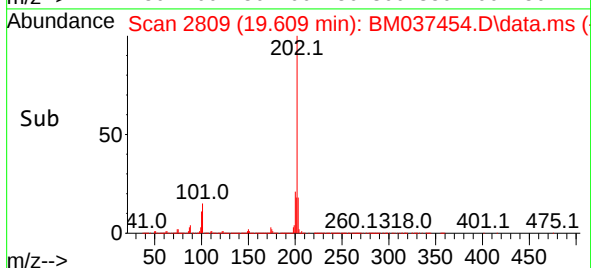
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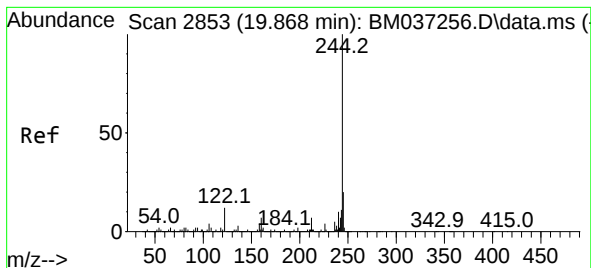


#78
Pyrene
Concen: 18.300 ng
RT: 19.609 min Scan# 2809
Delta R.T. -0.012 min
Lab File: BM037454.D
Acq: 10 Nov 2022 16:47



Tgt Ion:202 Resp: 1706828
Ion Ratio Lower Upper
202 100
200 21.1 17.0 25.6
203 18.0 14.1 21.1





#79

Terphenyl-d14

Concen: 4.976 ng

RT: 19.815 min Scan# 28

Delta R.T. -0.012 min

Lab File: BM037454.D

Acq: 10 Nov 2022 16:47

Instrument :

BNA_M

ClientSampleId :

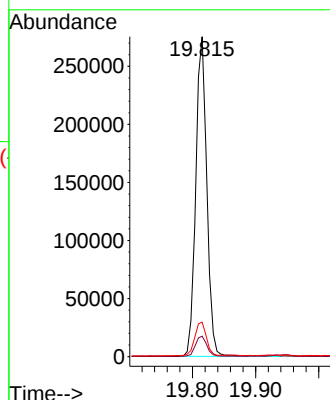
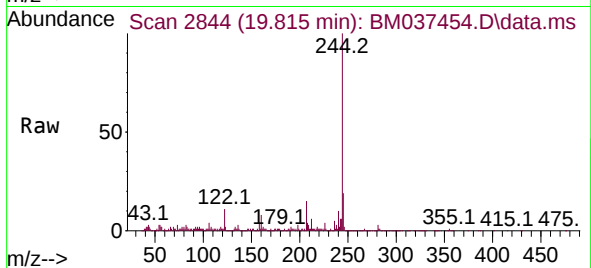
PL-04-110722DL

Tgt Ion:244 Resp: 336582

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.2
122	10.8	9.4	14.2

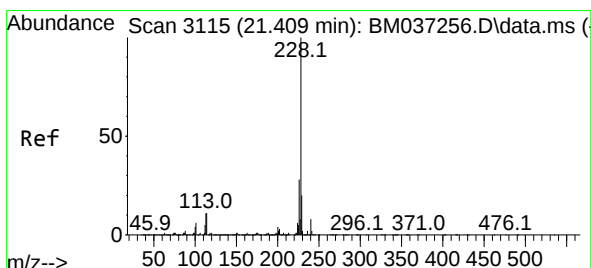
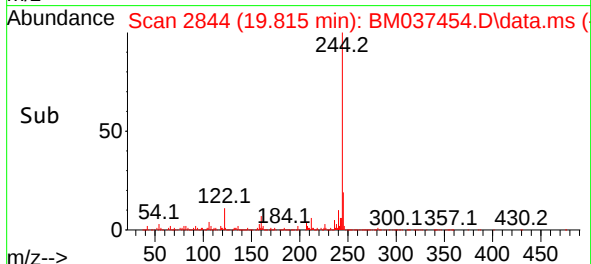
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#81

Benzo(a)anthracene

Concen: 10.500 ng

RT: 21.356 min Scan# 3106

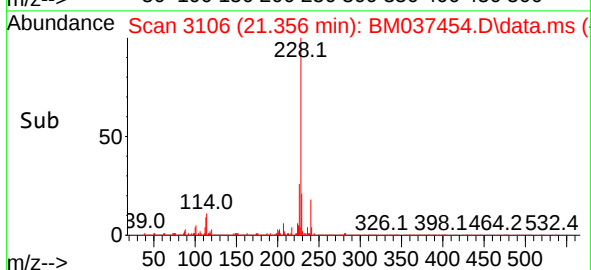
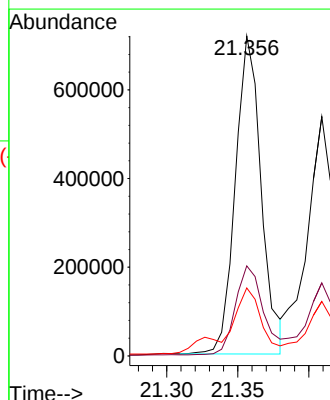
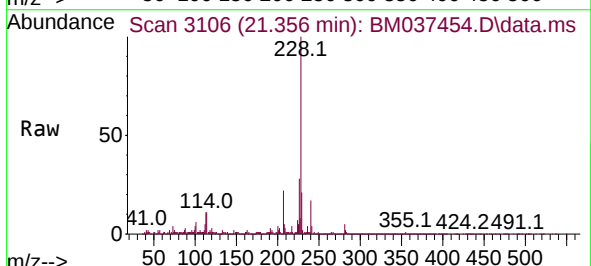
Delta R.T. -0.006 min

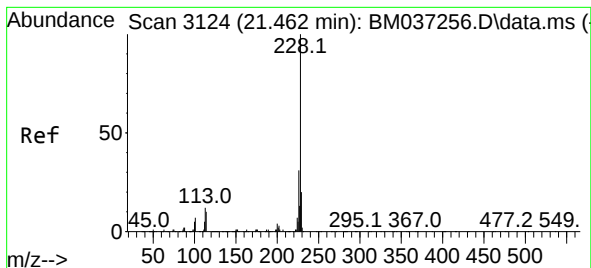
Lab File: BM037454.D

Acq: 10 Nov 2022 16:47

Tgt Ion:228 Resp: 906675

Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.3	33.5
229	21.2	16.2	24.2





#83

Chrysene

Concen: 8.448 ng

RT: 21.409 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM037454.D

Acq: 10 Nov 2022 16:47

Instrument :

BNA_M

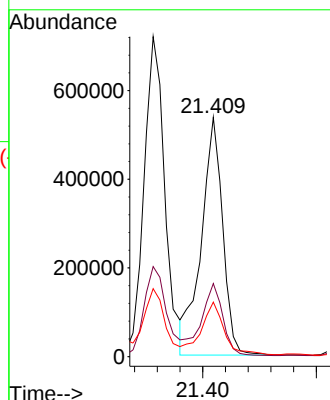
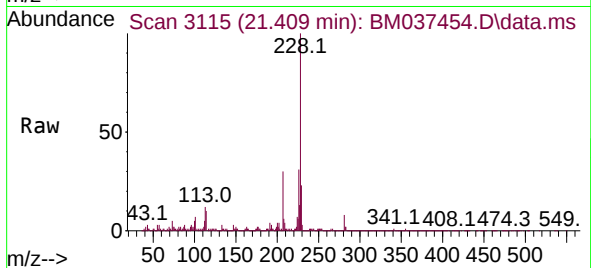
ClientSampleId :

PL-04-110722DL

Tgt Ion:	228	Resp:	702799
Ion Ratio	Lower	Upper	
228	100		
226	30.5	24.4	36.6
229	22.8	16.0	24.0

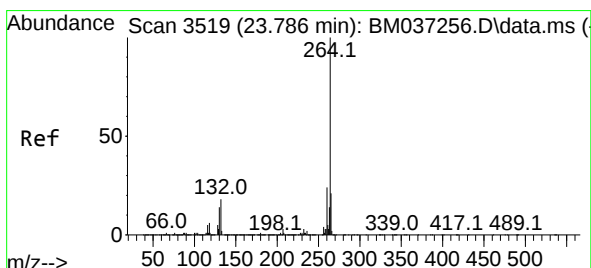
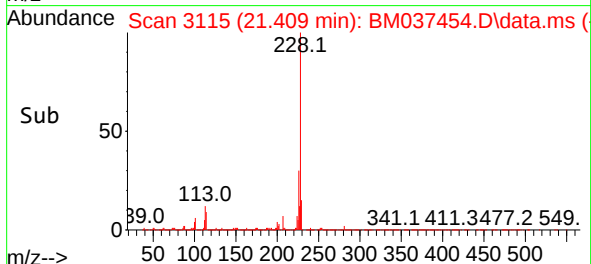
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#86

Perylene-d12

Concen: 20.000 ng

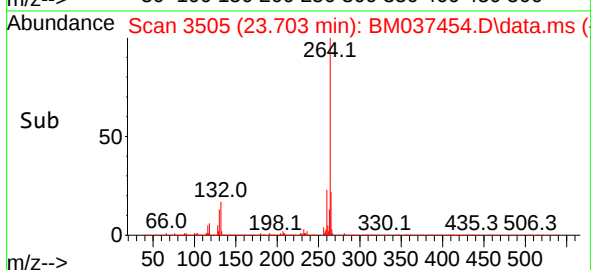
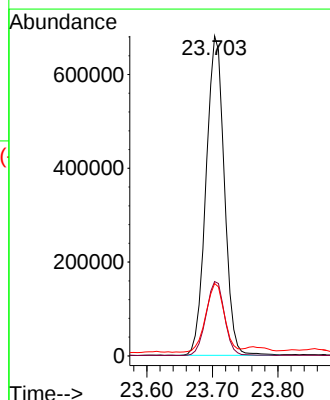
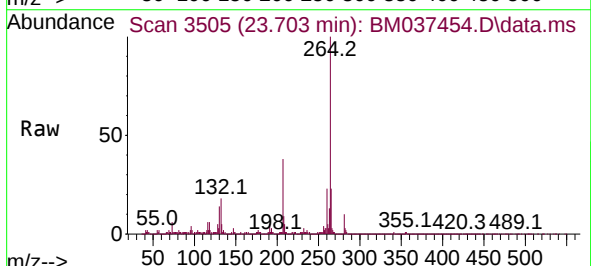
RT: 23.703 min Scan# 3505

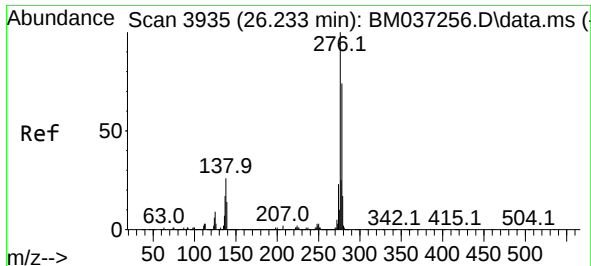
Delta R.T. -0.006 min

Lab File: BM037454.D

Acq: 10 Nov 2022 16:47

Tgt Ion:	264	Resp:	1316611
Ion Ratio	Lower	Upper	
264	100		
260	23.2	18.9	28.3
265	22.6	17.7	26.5





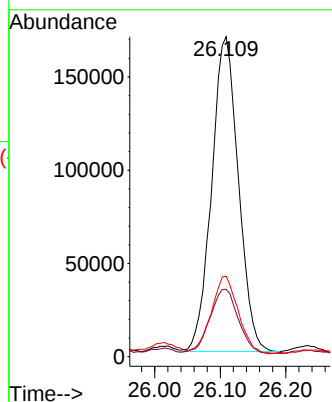
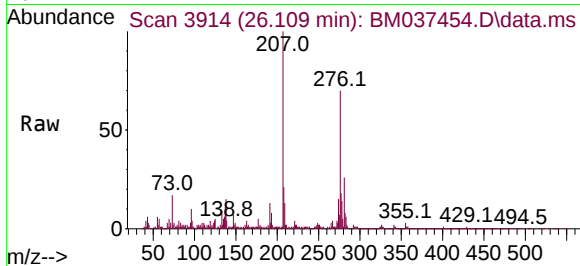
#87
Indeno(1,2,3-cd)pyrene
Concen: 4.444 ng
RT: 26.109 min Scan# 3914
Delta R.T. -0.024 min
Lab File: BM037454.D
Acq: 10 Nov 2022 16:47

Instrument :
BNA_M
ClientSampleId :
PL-04-110722DL

Tgt Ion: 276 Resp: 479032
Ion Ratio Lower Upper
276 100
138 22.0 21.5 32.3
277 25.0 20.1 30.1

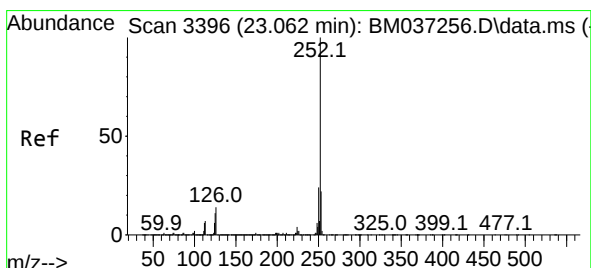
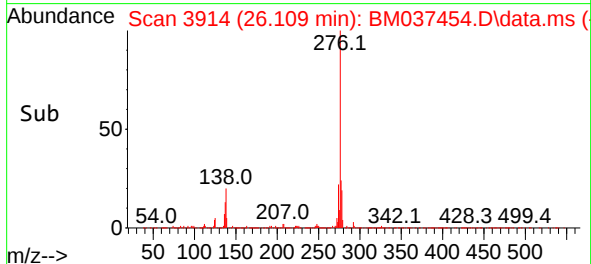
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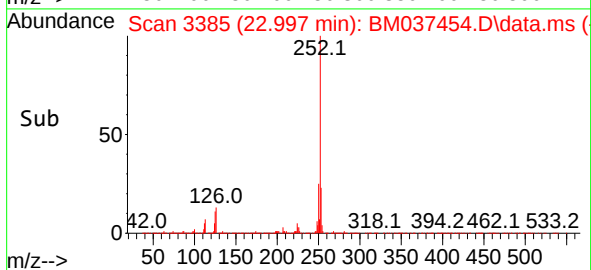
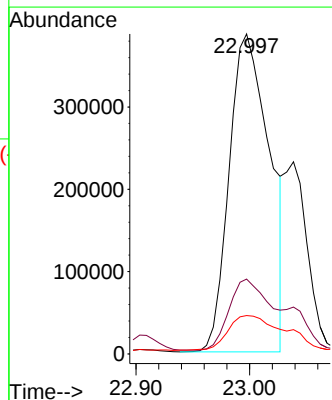
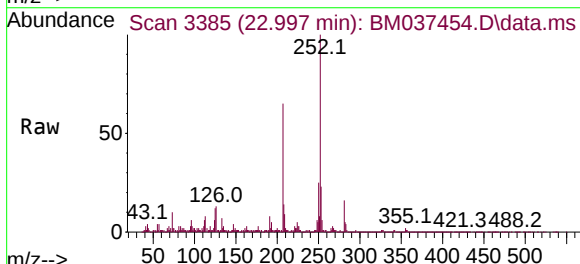
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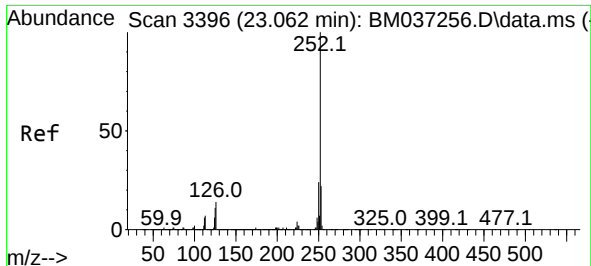
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#88
Benzo(b)fluoranthene
Concen: 10.475 ng
RT: 22.997 min Scan# 3385
Delta R.T. -0.006 min
Lab File: BM037454.D
Acq: 10 Nov 2022 16:47

Tgt Ion: 252 Resp: 957495
Ion Ratio Lower Upper
252 100
253 23.4 17.8 26.6
125 12.0 9.1 13.7





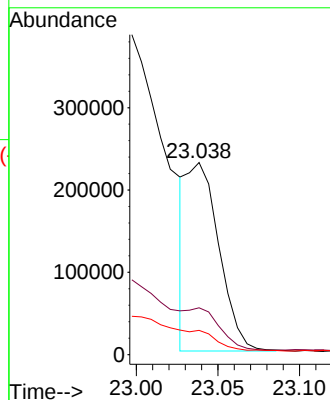
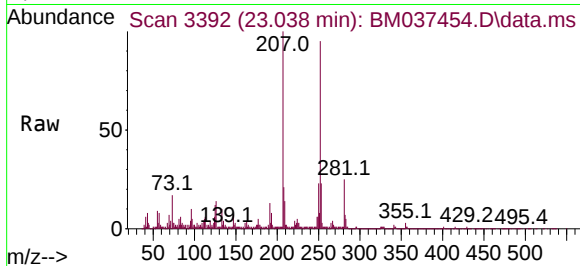
#89
Benzo(k)fluoranthene
Concen: 3.379 ng m
RT: 23.038 min Scan# 3396
Delta R.T. -0.012 min
Lab File: BM037454.D
Acq: 10 Nov 2022 16:47

Instrument :
BNA_M
ClientSampleId :
PL-04-110722DL

Tgt Ion:252 Resp: 315053
Ion Ratio Lower Upper
252 100
253 24.3 17.8 26.6
125 12.6 9.1 13.7

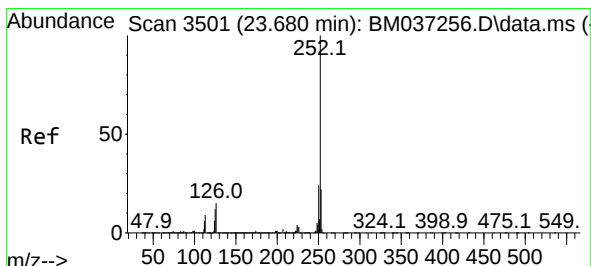
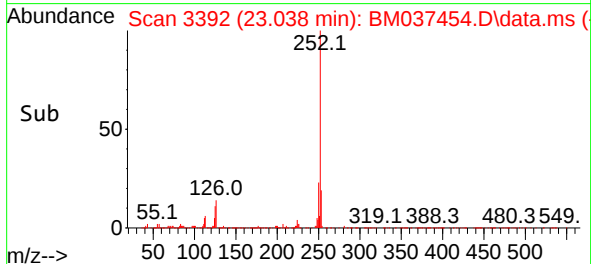
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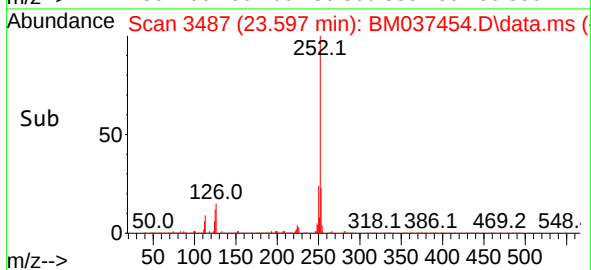
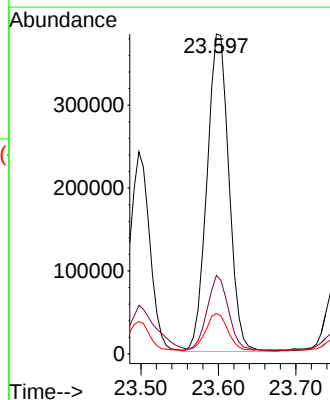
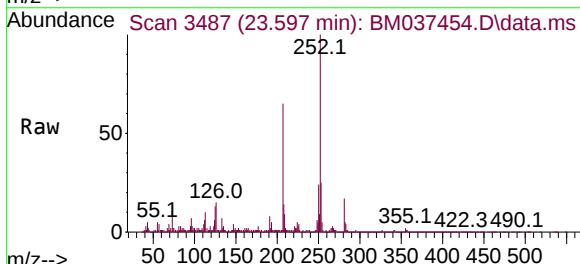
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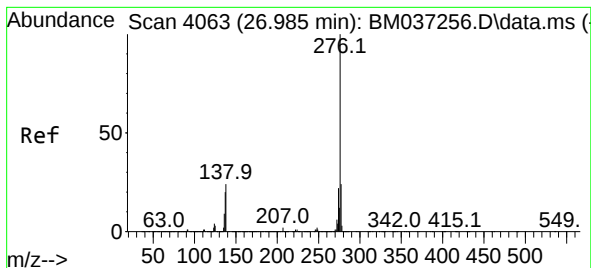
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#90
Benzo(a)pyrene
Concen: 10.136 ng
RT: 23.597 min Scan# 3487
Delta R.T. -0.012 min
Lab File: BM037454.D
Acq: 10 Nov 2022 16:47

Tgt Ion:252 Resp: 754884
Ion Ratio Lower Upper
252 100
253 24.5 17.4 26.2
125 12.6 9.9 14.9





#92

Benzo(g,h,i)perylene

Concen: 5.362 ng

RT: 26.850 min Scan# 40

Delta R.T. -0.029 min

Lab File: BM037454.D

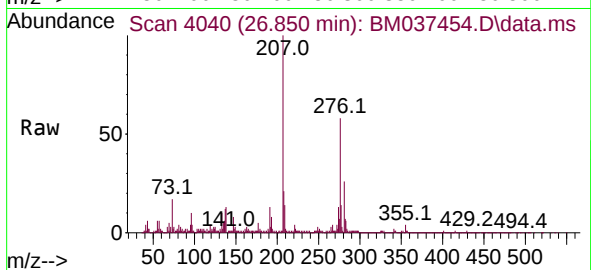
Acq: 10 Nov 2022 16:47

Instrument :

BNA_M

ClientSampleId :

PL-04-110722DL



Tgt Ion: 276 Resp: 467215

Ion Ratio Lower Upper

276 100

277 24.0 19.4 29.2

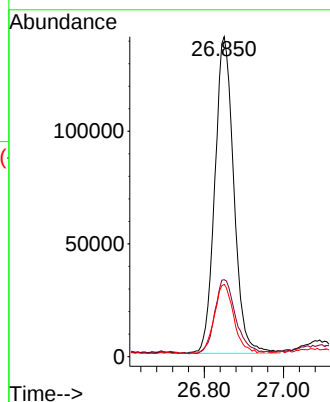
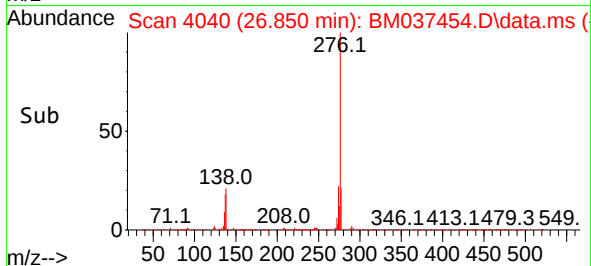
138 22.6 18.9 28.3

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