

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121423\
 Data File : BM043341.D
 Acq On : 14 Dec 2023 18:20
 Operator : MA/JU
 Sample : 05626-09
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DCLF5

Quant Time: Dec 14 23:26:59 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM120723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 13 22:33:14 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.987	152	376483	20.000	ng/ul	-0.01
20) Naphthalene-d8	10.792	136	1610604	20.000	ng/ul	-0.01
38) Acenaphthene-d10	14.616	164	889700	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.357	188	1732526	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.533	240	1447790	20.000	ng/ul	# 0.00
88) Perylene-d12	23.944	264	1611872	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.387	96	42132	4.392	ng/uL	0.00
4) Pyridine-d5	3.805	84	552726	19.419	ng/ul	-0.01
7) Phenol-d5	7.146	99	834742	22.333	ng/ul	-0.01
9) Bis-(2-Chloroethyl)eth...	7.322	67	529026	22.864	ng/ul	-0.01
11) 2-Chlorophenol-d4	7.510	132	625103	21.938	ng/ul	-0.02
15) 4-Methylphenol-d8	8.693	113	654525	22.135	ng/ul	-0.02
21) Nitrobenzene-d5	9.157	128	310305	22.604	ng/ul	-0.01
24) 2-Nitrophenol-d4	9.875	143	317358	23.974	ng/ul	-0.01
28) 2,4-Dichlorophenol-d3	10.410	165	570965	19.351	ng/ul	-0.02
31) 4-Chloroaniline-d4	10.934	131	863834	20.347	ng/ul	-0.02
46) Dimethylphthalate-d6	14.033	166	1715836	22.001	ng/ul	-0.01
49) Acenaphthylene-d8	14.310	160	2050162	22.722	ng/ul	-0.01
54) 4-Nitrophenol-d4	14.810	143	302833	21.669	ng/ul	-0.01
60) Fluorene-d10	15.604	176	1460480	21.482	ng/ul	-0.01
65) 4,6-Dinitro-2-methylph...	15.727	200	170484	17.879	ng/ul	0.00
73) Anthracene-d10	17.457	188	2100682	22.412	ng/ul	0.00
81) Pyrene-d10	19.745	212	2238715	24.166	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.792	264	2140331	22.756	ng/ul	0.00
Target Compounds						
					Qvalue	
30) Naphthalene	10.845	128	98901	1.000	ng/ul	98
36) 2-Methylnaphthalene	12.451	142	150813	2.120	ng/ul	99
37) 1-Methylnaphthalene	12.663	142	138502	1.919	ng/ul#	100
50) Acenaphthylene	14.339	152	170401	1.671	ng/ul	98
52) Acenaphthene	14.680	153	1517421	22.558	ng/ul	99
56) Dibenzofuran	15.016	168	851523	9.267	ng/ul	93
61) Fluorene	15.663	166	1414229	17.780	ng/ul	99
63) 4-Nitroaniline	15.663	138	16122	1.026	ng/ul#	23
72) Phenanthrene	17.404	178	4606507	42.638	ng/ul	100
74) Anthracene	17.492	178	1085780	9.977	ng/ul	100
77) Carbazole	17.762	167	572141	6.400	ng/ul	99
80) Fluoranthene	19.409	202	2607285	24.535	ng/ul#	92
82) Pyrene	19.768	202	2410046	21.802	ng/ul#	91
85) Benzo(a)anthracene	21.515	228	439081	3.956	ng/ul	94
87) Chrysene	21.568	228	728518	7.348	ng/ul	98
90) Benzo(b)fluoranthene	23.209	252	1517177	13.192	ng/ul#	95
91) Benzo(k)fluoranthene	23.209	252	1517177	13.246	ng/ul#	96
93) Benzo(a)pyrene	23.839	252	587218	5.524	ng/ul#	96
94) Indeno(1,2,3-cd)pyrene	26.450	276	457758	3.780	ng/ul#	94
95) Dibenzo(a,h)anthracene	26.468	278	107754	1.064	ng/ul#	91
96) Benzo(g,h,i)perylene	27.221	276	385101	4.221	ng/ul#	91

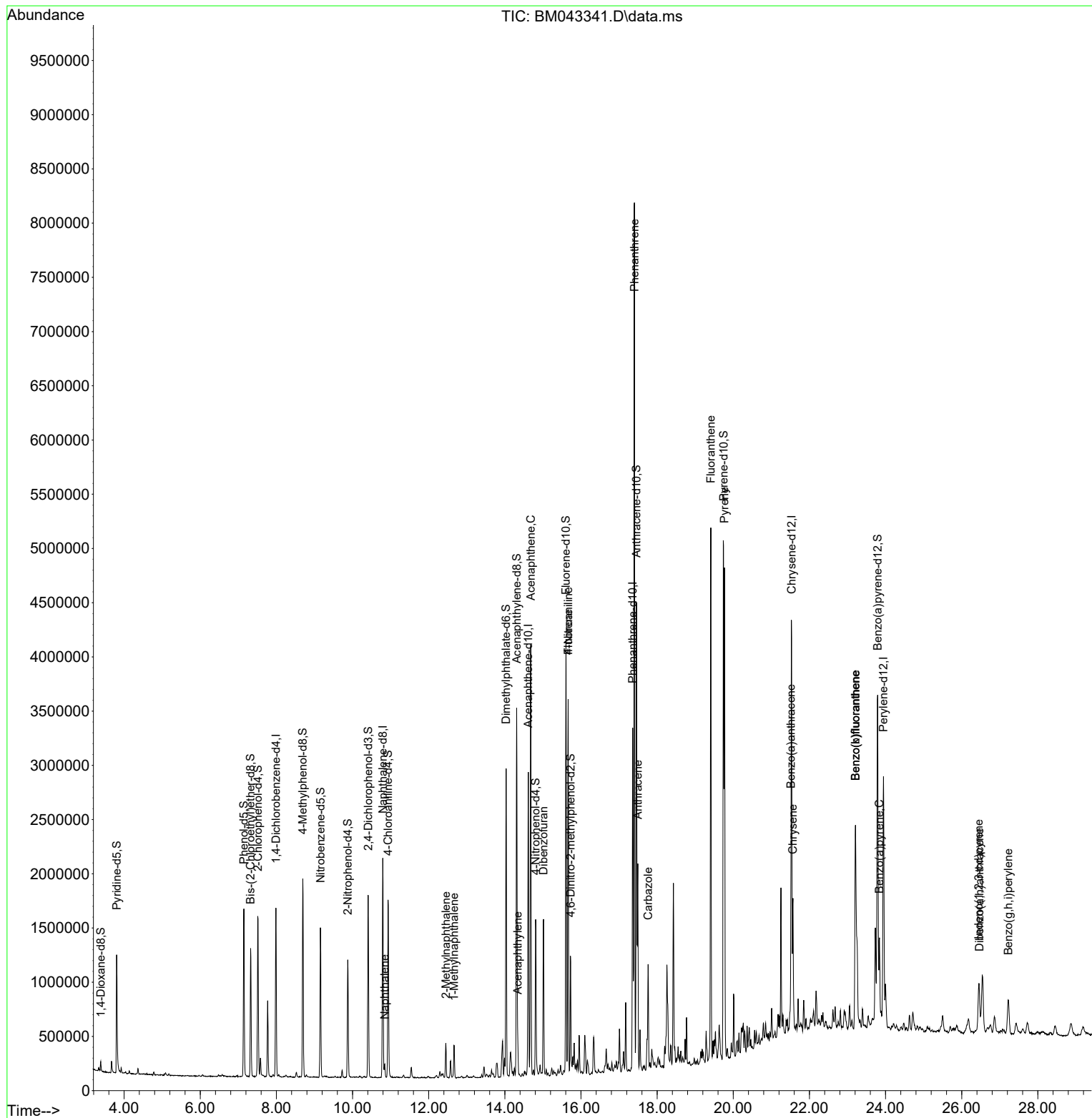
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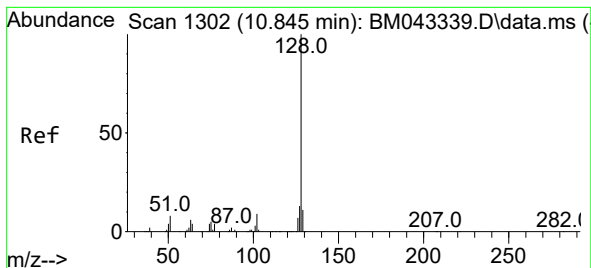
Instrument :
BNA_P
ClientSampleId :
DCLF5

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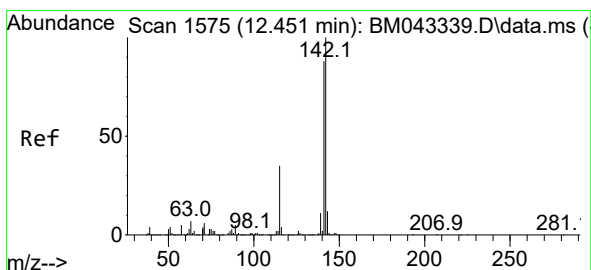
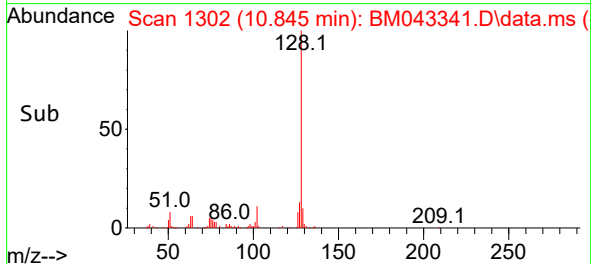
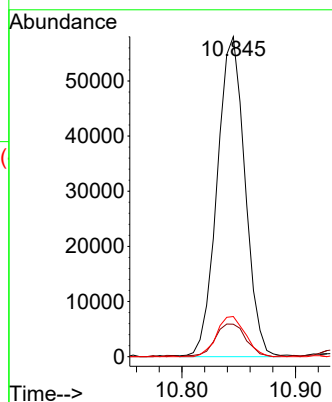
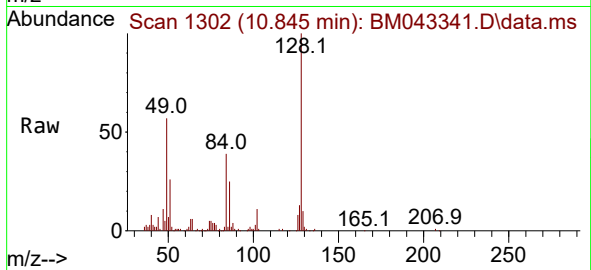




#30
Naphthalene
Concen: 1.000 ng/ul
RT: 10.845 min Scan# 11
Delta R.T. -0.012 min
Lab File: BM043341.D
Acq: 14 Dec 2023 18:20

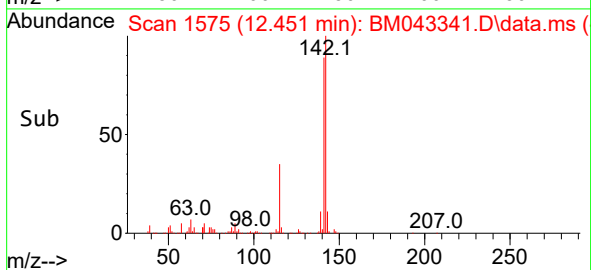
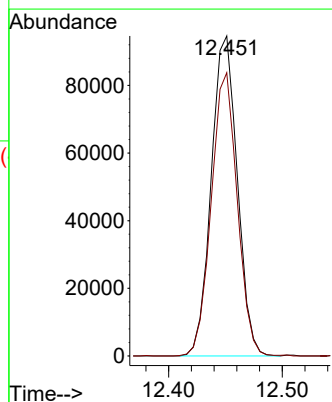
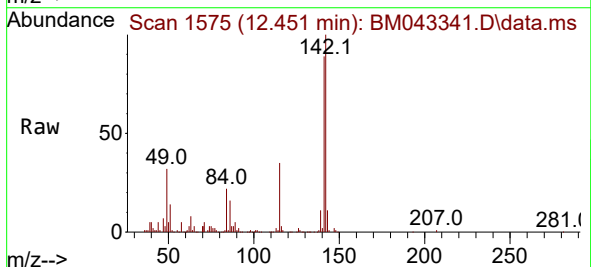
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BNA_P
ClientSampleId :
DCLF5

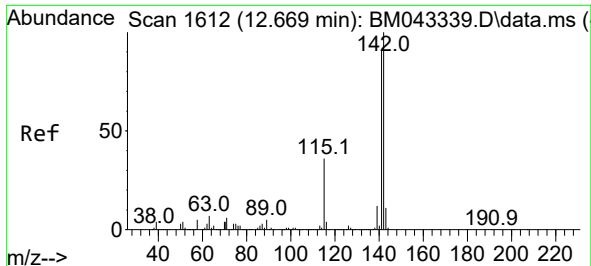
Tgt Ion:128 Resp: 98901
Ion Ratio Lower Upper
128 100
129 10.1 9.0 13.4
127 12.6 10.4 15.6



#36
2-Methylnaphthalene
Concen: 2.120 ng/ul
RT: 12.451 min Scan# 1575
Delta R.T. -0.012 min
Lab File: BM043341.D
Acq: 14 Dec 2023 18:20

Tgt Ion:142 Resp: 150813
Ion Ratio Lower Upper
142 100
141 88.5 70.0 105.0

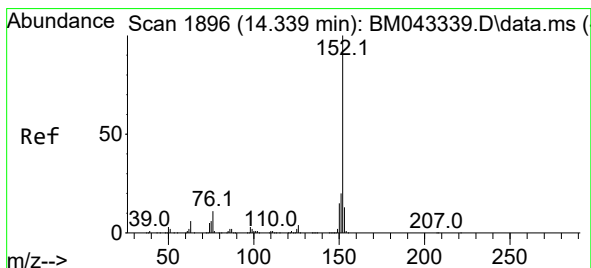
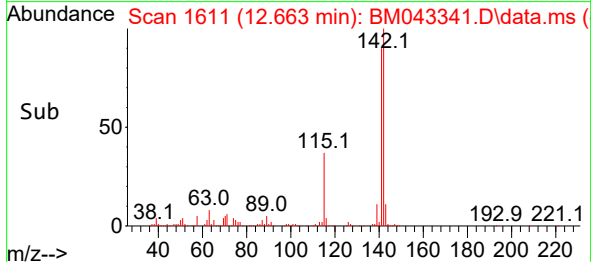
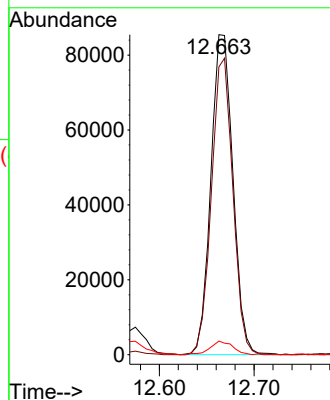
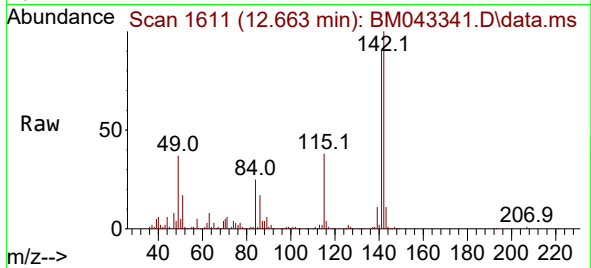




#37
1-Methylnaphthalene
Concen: 1.919 ng/ul
RT: 12.663 min Scan# 1611
Delta R.T. -0.012 min
Lab File: BM043341.D
Acq: 14 Dec 2023 18:20

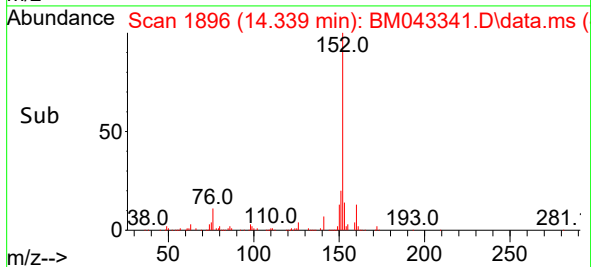
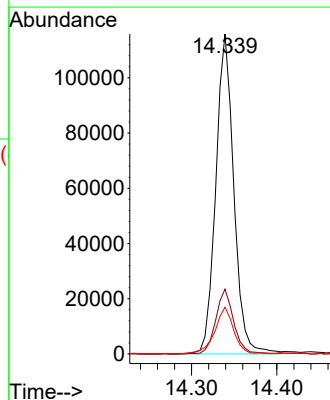
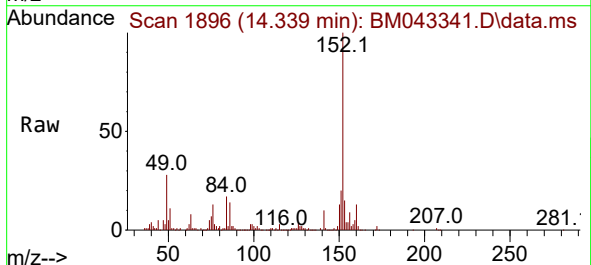
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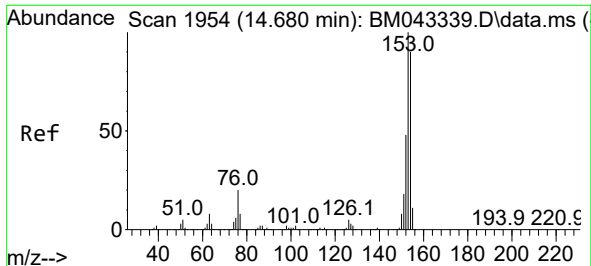
Tgt Ion:142 Resp: 138502
Ion Ratio Lower Upper
142 100
141 90.0 71.9 107.9
116 4.3 2.8 4.2#



#50
Acenaphthylene
Concen: 1.671 ng/ul
RT: 14.339 min Scan# 1896
Delta R.T. -0.012 min
Lab File: BM043341.D
Acq: 14 Dec 2023 18:20

Tgt Ion:152 Resp: 170401
Ion Ratio Lower Upper
152 100
151 20.3 16.0 24.0
153 14.6 10.3 15.5

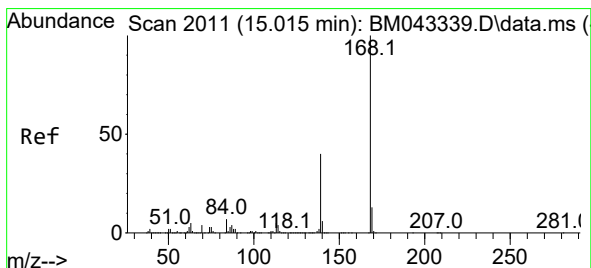
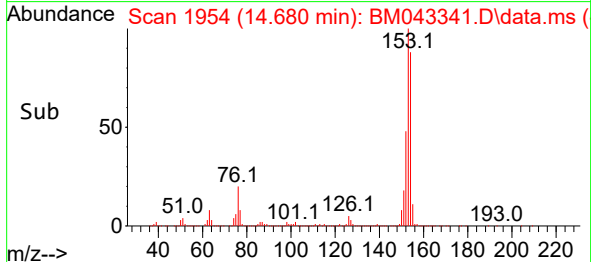
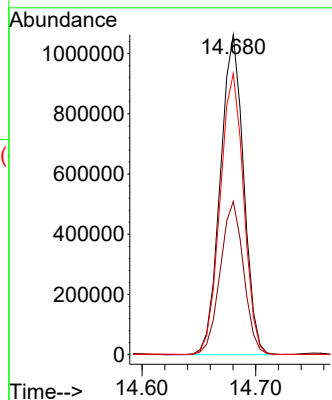
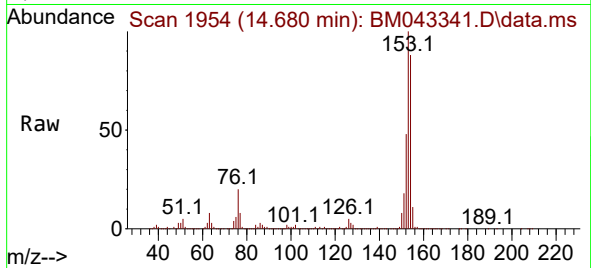




#52
Acenaphthene
Concen: 22.558 ng/ul
RT: 14.680 min Scan# 1954
Delta R.T. -0.006 min
Lab File: BM043341.D
Acq: 14 Dec 2023 18:20

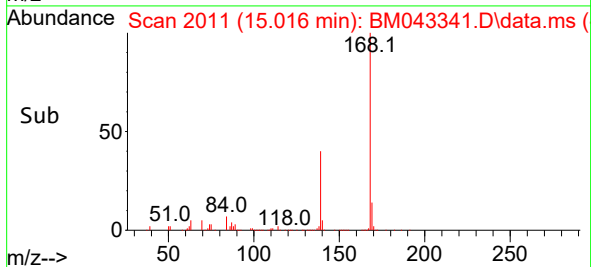
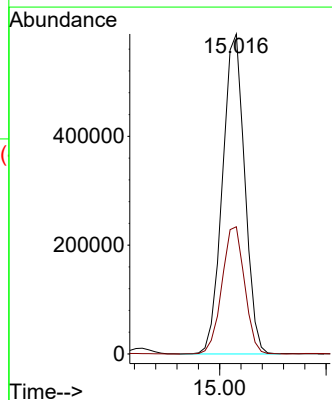
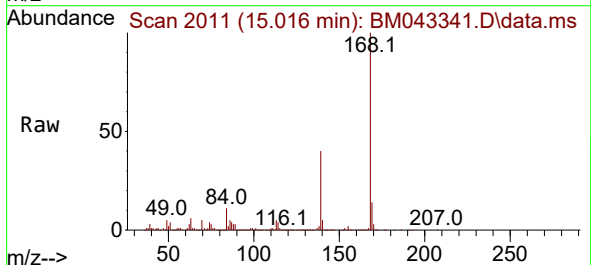
Instrument :
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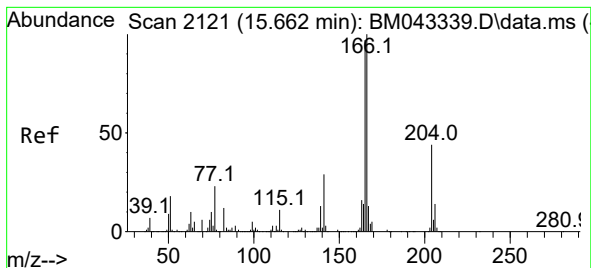
Tgt Ion:153 Resp: 1517421
Ion Ratio Lower Upper
153 100
152 47.9 38.6 58.0
154 87.8 71.6 107.4



#56
Dibenzofuran
Concen: 9.267 ng/ul
RT: 15.016 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BM043341.D
Acq: 14 Dec 2023 18:20

Tgt Ion:168 Resp: 851523
Ion Ratio Lower Upper
168 100
139 39.7 28.6 43.0





#61

Fluorene

Concen: 17.780 ng/ul

RT: 15.663 min Scan# 2121

Delta R.T. -0.006 min

Lab File: BM043341.D

Acq: 14 Dec 2023 18:20

Instrument :

BNA_P

ClientSampleId :

DCLF5

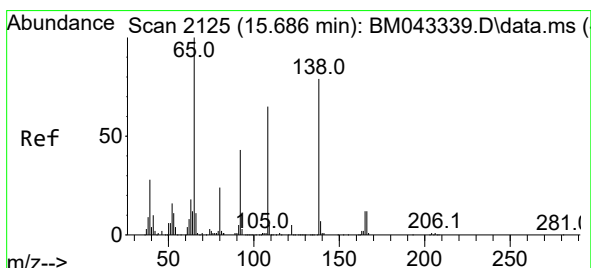
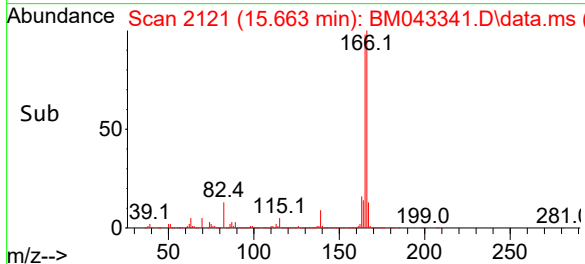
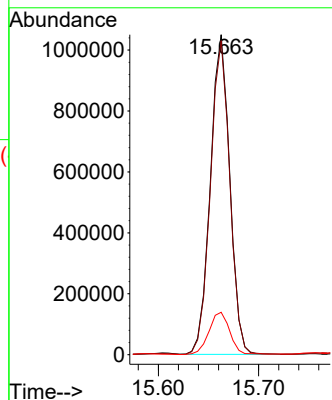
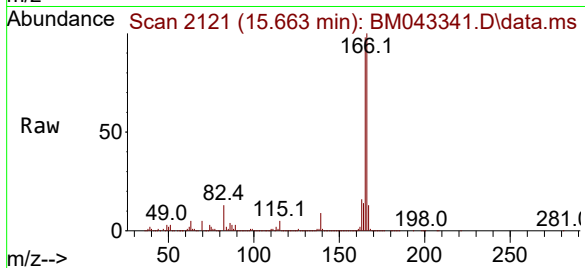
Tgt Ion:166 Resp: 1414229

Ion Ratio Lower Upper

166 100

165 98.2 77.5 116.3

167 13.3 10.7 16.1



#63

4-Nitroaniline

Concen: 1.026 ng/ul

RT: 15.663 min Scan# 2121

Delta R.T. -0.035 min

Lab File: BM043341.D

Acq: 14 Dec 2023 18:20

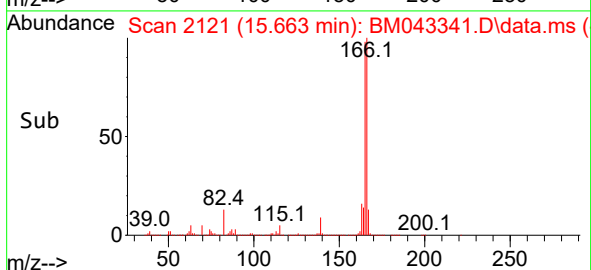
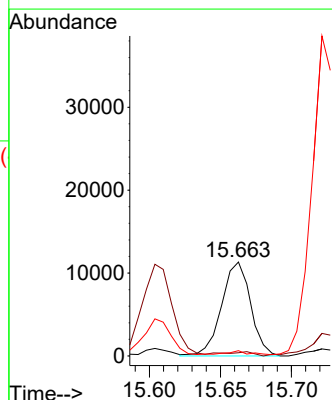
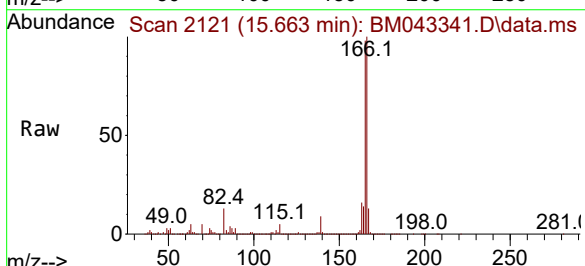
Tgt Ion:138 Resp: 16122

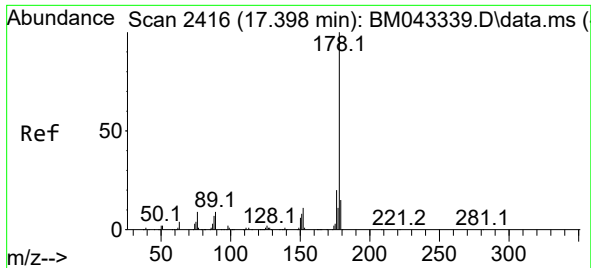
Ion Ratio Lower Upper

138 100

92 3.5 40.1 60.1#

108 5.6 63.0 94.6#

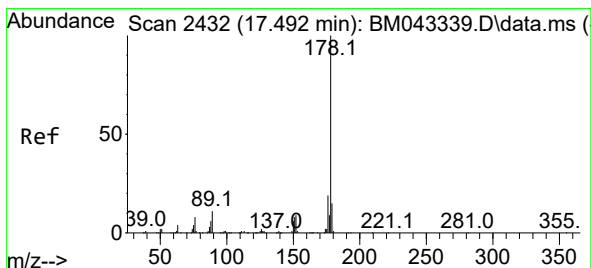
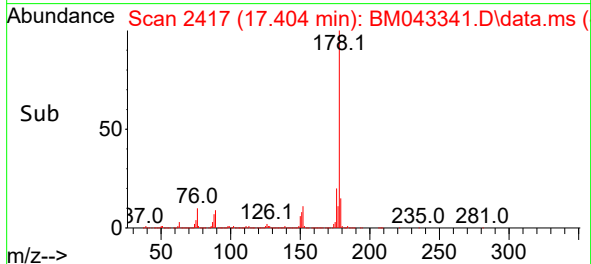
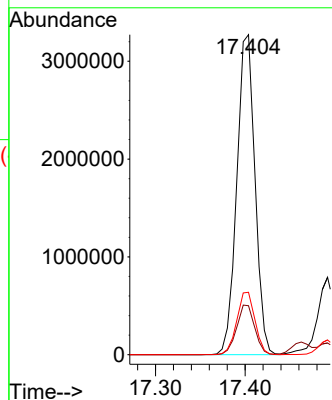
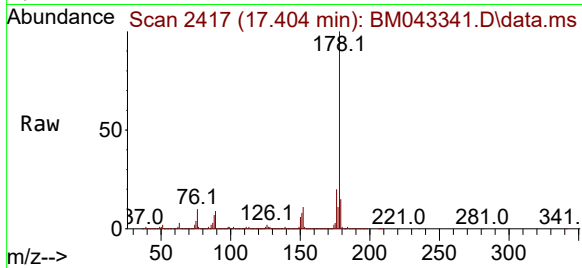




#72
Phenanthrene
Concen: 42.638 ng/ul
RT: 17.404 min Scan# 2416
Delta R.T. -0.006 min
Lab File: BM043341.D
Acq: 14 Dec 2023 18:20

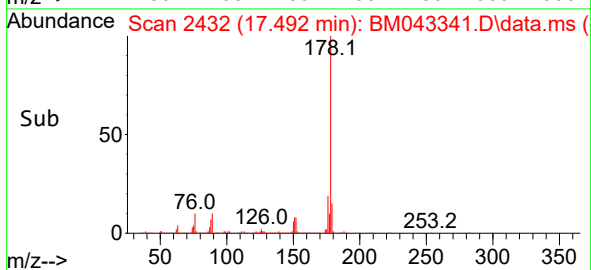
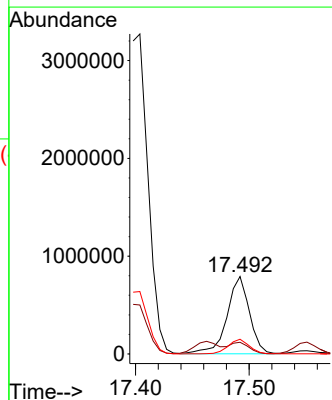
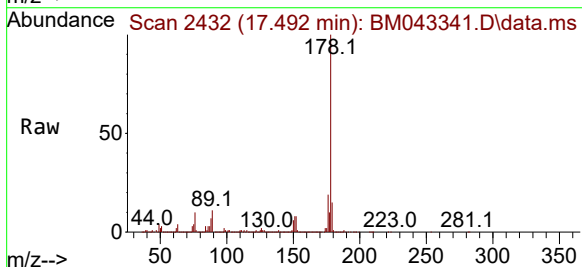
Instrument :
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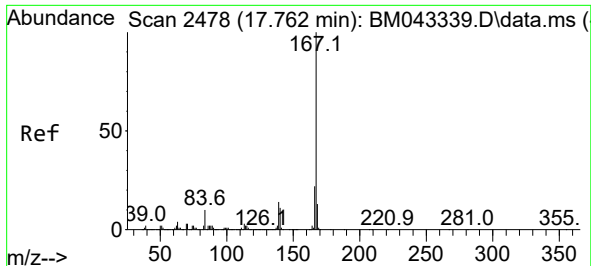
Tgt Ion:178 Resp: 4606507
Ion Ratio Lower Upper
178 100
179 15.3 12.2 18.2
176 19.5 15.7 23.5



#74
Anthracene
Concen: 9.977 ng/ul
RT: 17.492 min Scan# 2432
Delta R.T. -0.006 min
Lab File: BM043341.D
Acq: 14 Dec 2023 18:20

Tgt Ion:178 Resp: 1085780
Ion Ratio Lower Upper
178 100
179 15.2 12.1 18.1
176 19.0 15.1 22.7

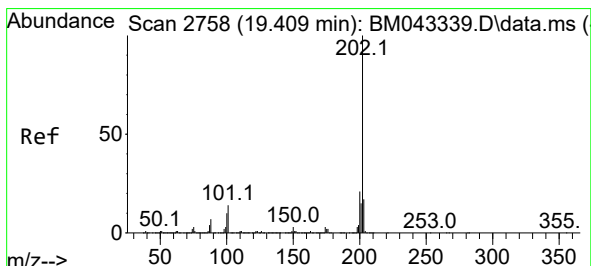
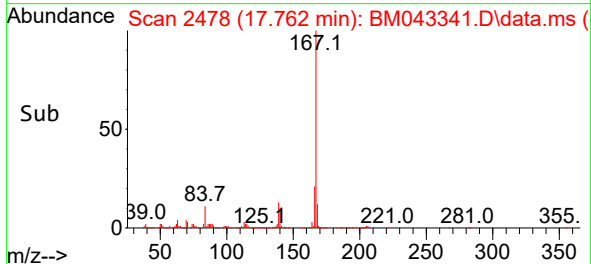
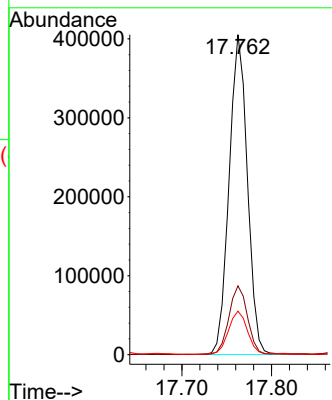
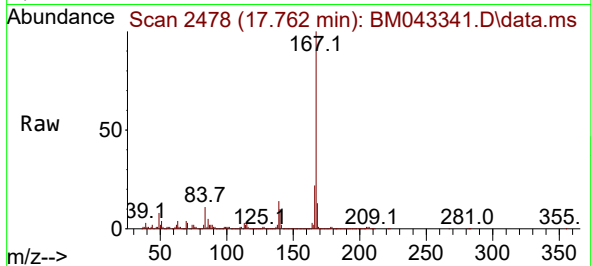




#77
 Carbazole
 Concen: 6.400 ng/ul
 RT: 17.762 min Scan# 2478
 Delta R.T. -0.012 min
 Lab File: BM043341.D
 Acq: 14 Dec 2023 18:20

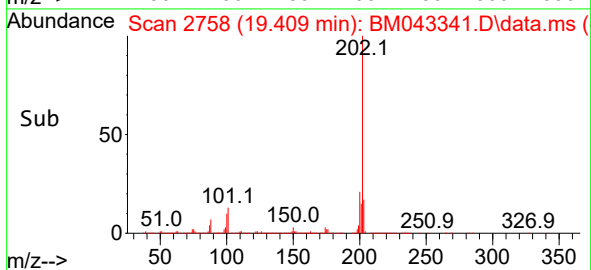
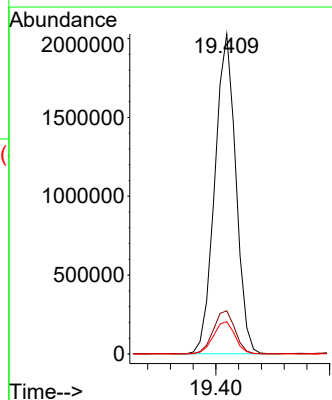
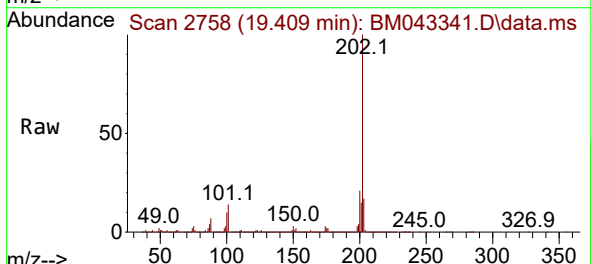
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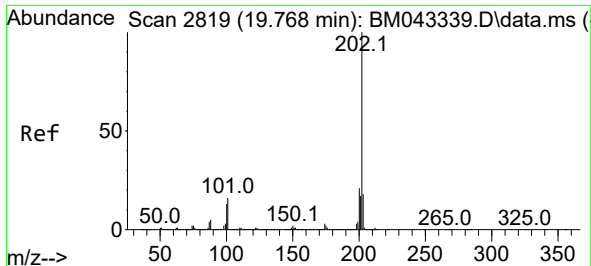
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 Ion Ratio Lower Upper
 167 100
 166 21.5 17.1 25.7
 139 13.6 9.9 14.9



#80
 Fluoranthene
 Concen: 24.535 ng/ul
 RT: 19.409 min Scan# 2758
 Delta R.T. -0.006 min
 Lab File: BM043341.D
 Acq: 14 Dec 2023 18:20

Tgt Ion:202 Resp: 2607285
 Ion Ratio Lower Upper
 202 100
 101 13.5 8.2 12.2#
 100 10.1 6.1 9.1#

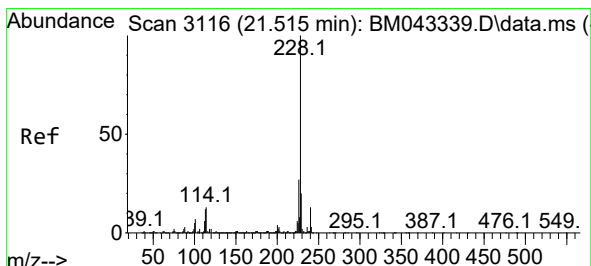
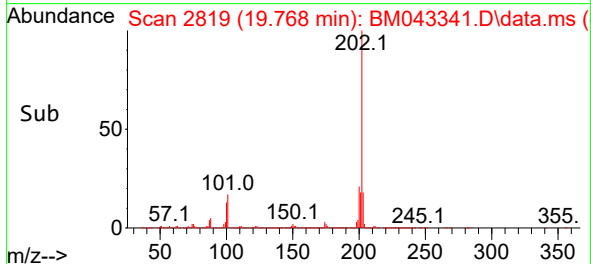
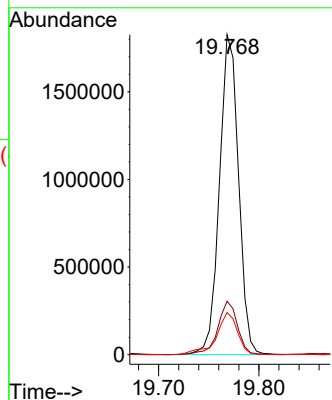
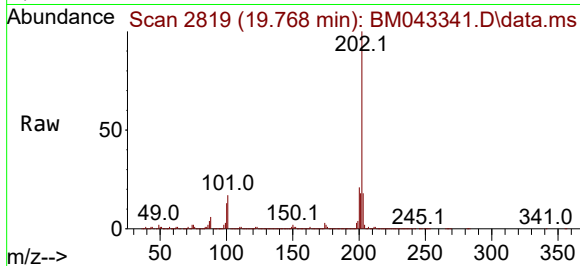




#82
 Pyrene
 Concen: 21.802 ng/ul
 RT: 19.768 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM043341.D
 Acq: 14 Dec 2023 18:20

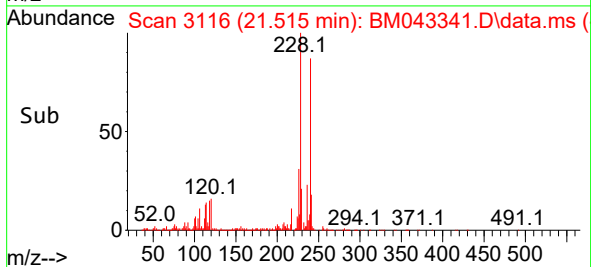
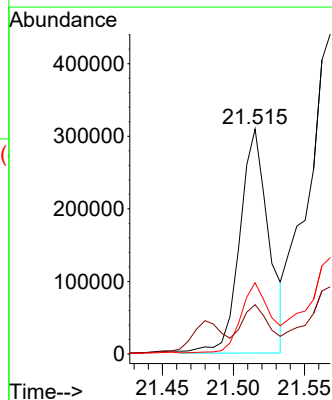
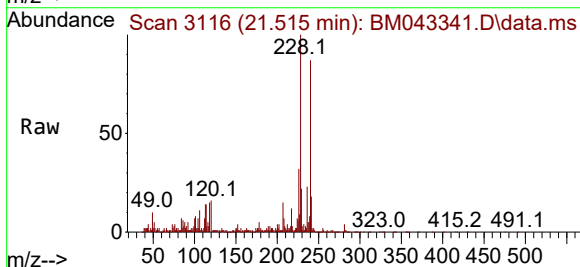
Instrument :
 BNA_P
 ClientSampleId :
 DCLF5

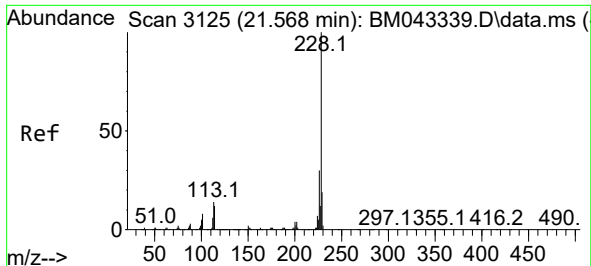
Tgt Ion:202 Resp: 2410046
 Ion Ratio Lower Upper
 202 100
 101 16.7 10.2 15.2#
 100 13.2 8.2 12.2#



#85
 Benzo(a)anthracene
 Concen: 3.956 ng/ul
 RT: 21.515 min Scan# 3116
 Delta R.T. -0.006 min
 Lab File: BM043341.D
 Acq: 14 Dec 2023 18:20

Tgt Ion:228 Resp: 439081
 Ion Ratio Lower Upper
 228 100
 229 21.9 15.8 23.8
 226 31.7 22.2 33.4

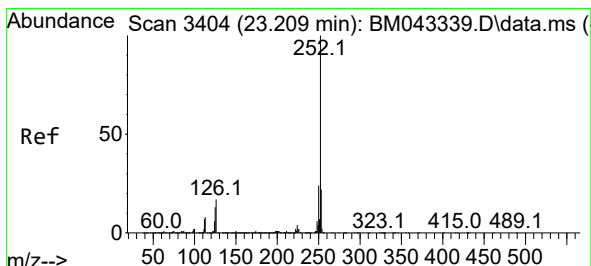
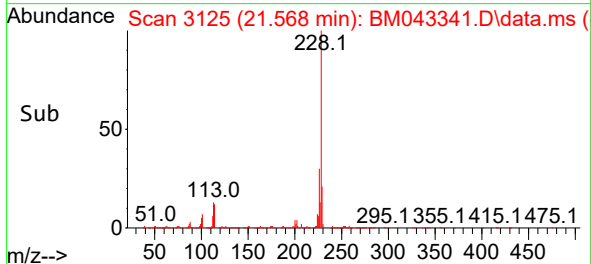
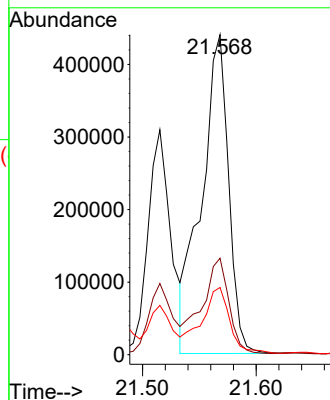
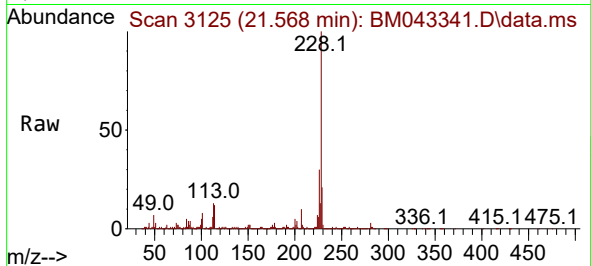




#87
Chrysene
Concen: 7.348 ng/ul
RT: 21.568 min Scan# 3125
Delta R.T. -0.006 min
Lab File: BM043341.D
Acq: 14 Dec 2023 18:20

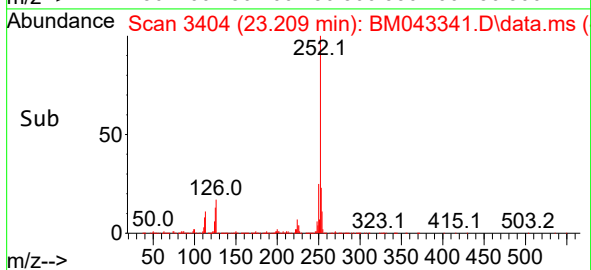
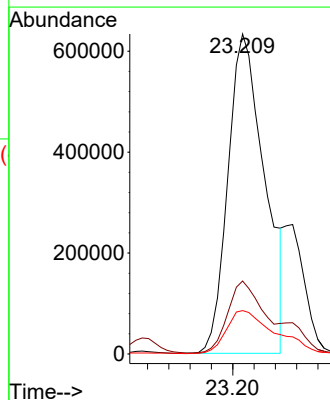
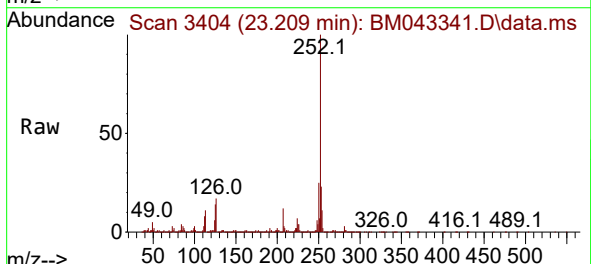
Instrument :
BNA_P
ClientSampleId :
DCLF5

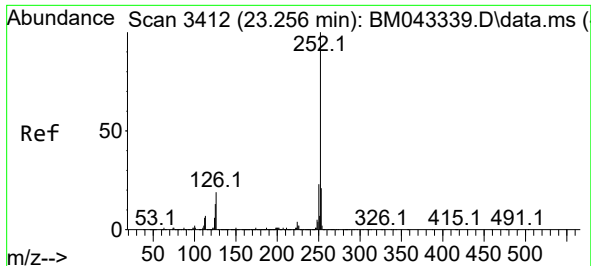
Tgt Ion:228 Resp: 728518
Ion Ratio Lower Upper
228 100
226 30.2 24.8 37.2
229 21.0 16.2 24.2



#90
Benzo(b)fluoranthene
Concen: 13.192 ng/ul
RT: 23.209 min Scan# 3404
Delta R.T. -0.006 min
Lab File: BM043341.D
Acq: 14 Dec 2023 18:20

Tgt Ion:252 Resp: 1517177
Ion Ratio Lower Upper
252 100
253 22.8 17.4 26.2
125 13.5 7.2 10.8#

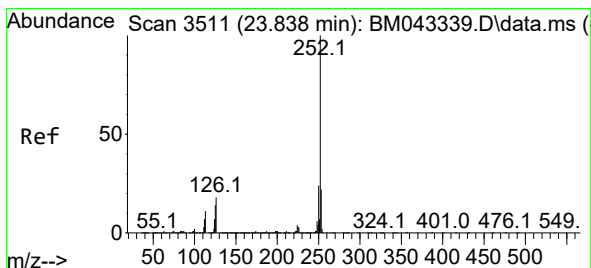
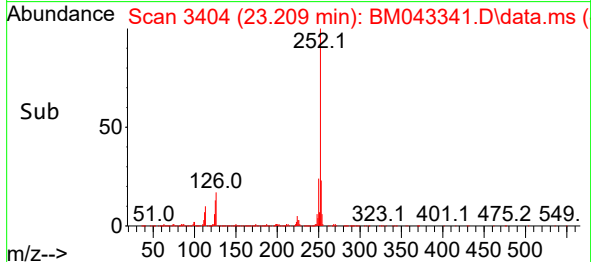
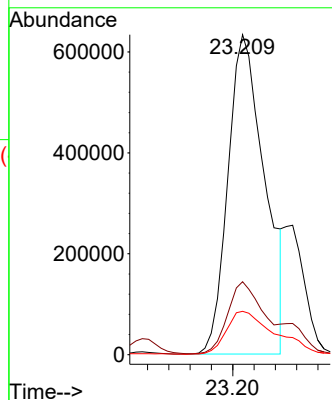
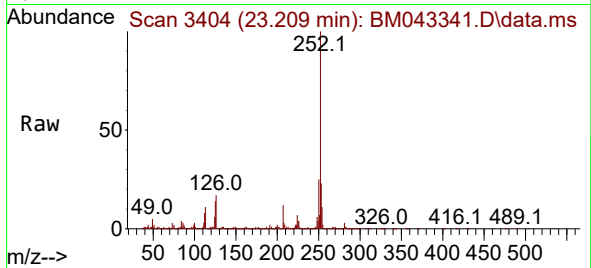




#91
Benzo(k)fluoranthene
Concen: 13.246 ng/ul
RT: 23.209 min Scan# 3412
Delta R.T. -0.059 min
Lab File: BM043341.D
Acq: 14 Dec 2023 18:20

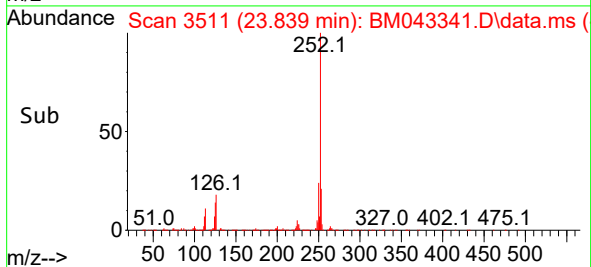
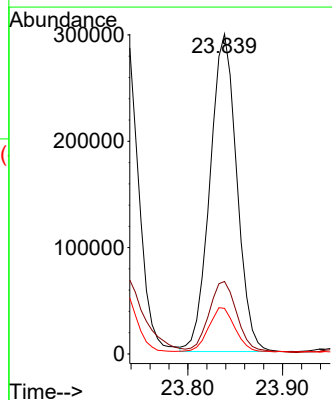
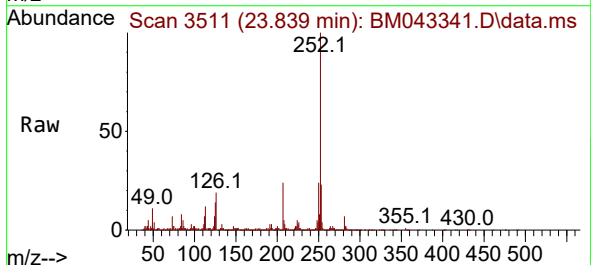
Instrument :
BNA_P
ClientSampleId :
DCLF5

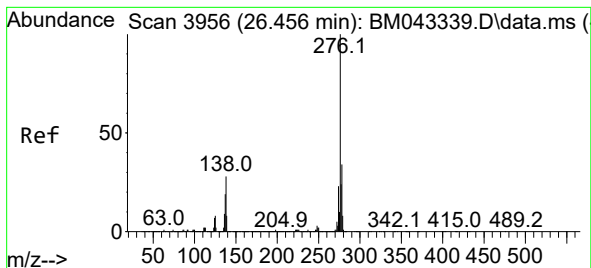
Tgt Ion:252 Resp: 1517177
Ion Ratio Lower Upper
252 100
253 22.8 17.9 26.9
125 13.5 7.7 11.5#



#93
Benzo(a)pyrene
Concen: 5.524 ng/ul
RT: 23.839 min Scan# 3511
Delta R.T. -0.006 min
Lab File: BM043341.D
Acq: 14 Dec 2023 18:20

Tgt Ion:252 Resp: 587218
Ion Ratio Lower Upper
252 100
253 22.7 17.8 26.6
125 14.2 8.4 12.6#





#94

Indeno(1,2,3-cd)pyrene

Concen: 3.780 ng/ul

RT: 26.450 min Scan# 3955

Delta R.T. -0.023 min

Lab File: BM043341.D

Acq: 14 Dec 2023 18:20

Instrument :

BNA_P

ClientSampleId :

DCLF5

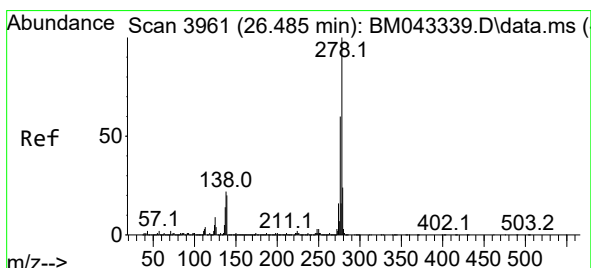
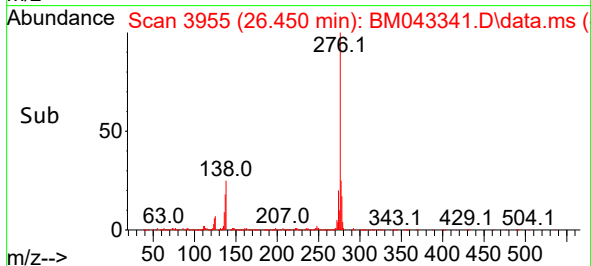
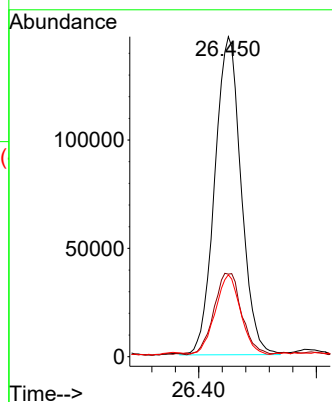
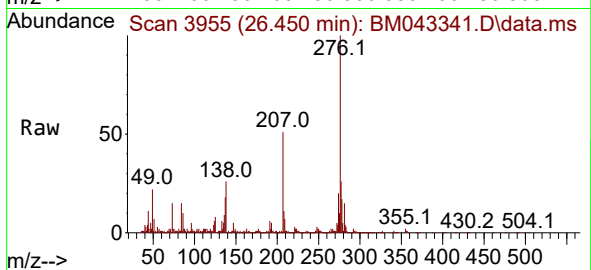
Tgt Ion:276 Resp: 457758

Ion Ratio Lower Upper

276 100

138 25.8 16.9 25.3#

277 25.6 19.5 29.3



#95

Dibenzo(a,h)anthracene

Concen: 1.064 ng/ul

RT: 26.468 min Scan# 3958

Delta R.T. -0.035 min

Lab File: BM043341.D

Acq: 14 Dec 2023 18:20

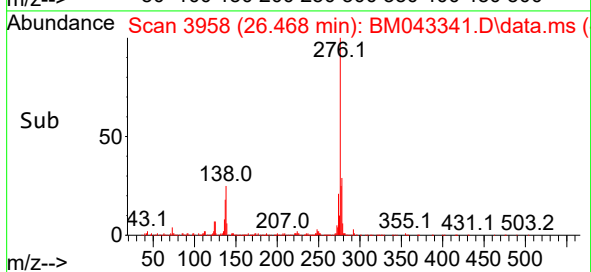
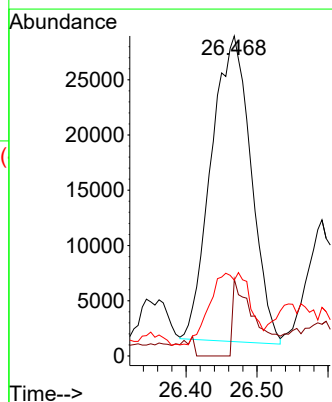
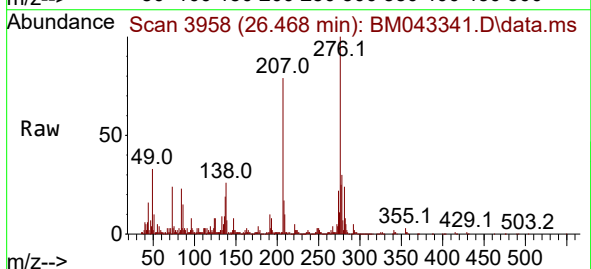
Tgt Ion:278 Resp: 107754

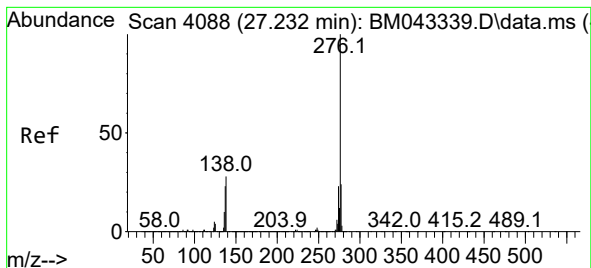
Ion Ratio Lower Upper

278 100

139 24.1 11.9 17.9#

279 23.7 19.4 29.2





#96

Benzo(g,h,i)perylene

Concen: 4.221 ng/ul

RT: 27.221 min Scan# 40

Delta R.T. -0.023 min

Lab File: BM043341.D

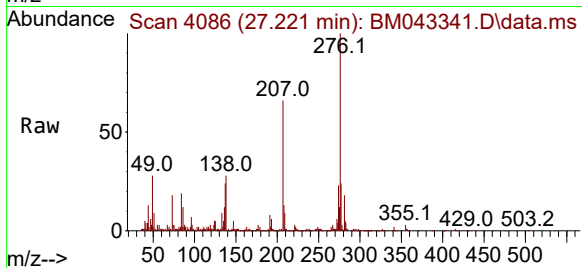
Acq: 14 Dec 2023 18:20

Instrument :

BNA_P

ClientSampleId :

DCLF5



Tgt Ion:276 Resp: 385101

Ion Ratio Lower Upper

276 100

138 27.8 16.2 24.2#

277 24.4 18.7 28.1

