

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121323\
 Data File : BM043309.D
 Acq On : 13 Dec 2023 19:49
 Operator : MA/JU
 Sample : 05690-06
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCLH5

Quant Time: Dec 13 22:33:53 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	7.998	152	283185	20.000	ng/ul	0.00
20) Naphthalene-d8	10.804	136	1333655	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.621	164	758155	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.362	188	1487841	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.533	240	1151297	20.000	ng/ul	# 0.00
88) Perylene-d12	23.950	264	1055978	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.399	96	24181	3.351	ng/uL	0.00
4) Pyridine-d5	3.822	84	166360	7.770	ng/ul	0.00
7) Phenol-d5	7.157	99	567810	20.197	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.334	67	363281	20.873	ng/ul	0.00
11) 2-Chlorophenol-d4	7.528	132	422837	19.729	ng/ul	0.00
15) 4-Methylphenol-d8	8.710	113	432001	19.423	ng/ul	0.00
21) Nitrobenzene-d5	9.169	128	214352	18.857	ng/ul	0.00
24) 2-Nitrophenol-d4	9.886	143	210065	19.164	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.422	165	418535	17.131	ng/ul	0.00
31) 4-Chloroaniline-d4	10.951	131	245485	6.983	ng/ul	0.00
46) Dimethylphthalate-d6	14.045	166	1297786	19.528	ng/ul	0.00
49) Acenaphthylene-d8	14.321	160	1526671	19.856	ng/ul	0.00
54) 4-Nitrophenol-d4	14.821	143	208758	17.530	ng/ul	0.00
60) Fluorene-d10	15.615	176	1147856	19.814	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.733	200	42564	5.198	ng/ul	0.00
73) Anthracene-d10	17.462	188	1721673	21.389	ng/ul	0.00
81) Pyrene-d10	19.750	212	1877614	25.488	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.797	264	1352885	21.956	ng/ul	0.00
Target Compounds						
						Qvalue
6) Benzaldehyde	7.145	77	29054	2.008	ng/ul	94
8) Phenol	7.187	94	148346	5.335	ng/ul	98
16) Acetophenone	8.828	105	818939	22.908	ng/ul	94
30) Naphthalene	10.857	128	223970	2.736	ng/ul	99
36) 2-Methylnaphthalene	12.457	142	155267	2.636	ng/ul	98
37) 1-Methylnaphthalene	12.674	142	103533	1.732	ng/ul	99
50) Acenaphthylene	14.351	152	150751	1.735	ng/ul	96
52) Acenaphthene	14.686	153	694459	12.115	ng/ul	100
56) Dibenzofuran	15.021	168	440802	5.630	ng/ul	92
61) Fluorene	15.668	166	652518	9.627	ng/ul	98
72) Phenanthrene	17.409	178	4188644	45.147	ng/ul	99
74) Anthracene	17.498	178	1084081	11.600	ng/ul	99
77) Carbazole	17.768	167	222735	2.901	ng/ul	96
80) Fluoranthene	19.415	202	7672489	90.795	ng/ul#	91
82) Pyrene	19.780	202	6505662	74.009	ng/ul#	93
85) Benzo(a)anthracene	21.521	228	2293954	25.987	ng/ul	98
87) Chrysene	21.574	228	2537813	32.189	ng/ul	98
90) Benzo(b)fluoranthene	23.221	252	2958934	39.273	ng/ul#	95
91) Benzo(k)fluoranthene	23.262	252	962159	12.822	ng/ul#	96
93) Benzo(a)pyrene	23.850	252	1525728	21.909	ng/ul#	96
94) Indeno(1,2,3-cd)pyrene	26.468	276	943130	11.889	ng/ul#	93
95) Dibenzo(a,h)anthracene	26.479	278	238874	3.601	ng/ul#	81
96) Benzo(g,h,i)perylene	27.244	276	652223	10.913	ng/ul#	89

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QLast Update : Wed Dec 13 22:33:14 2023
Response via : Initial Calibration

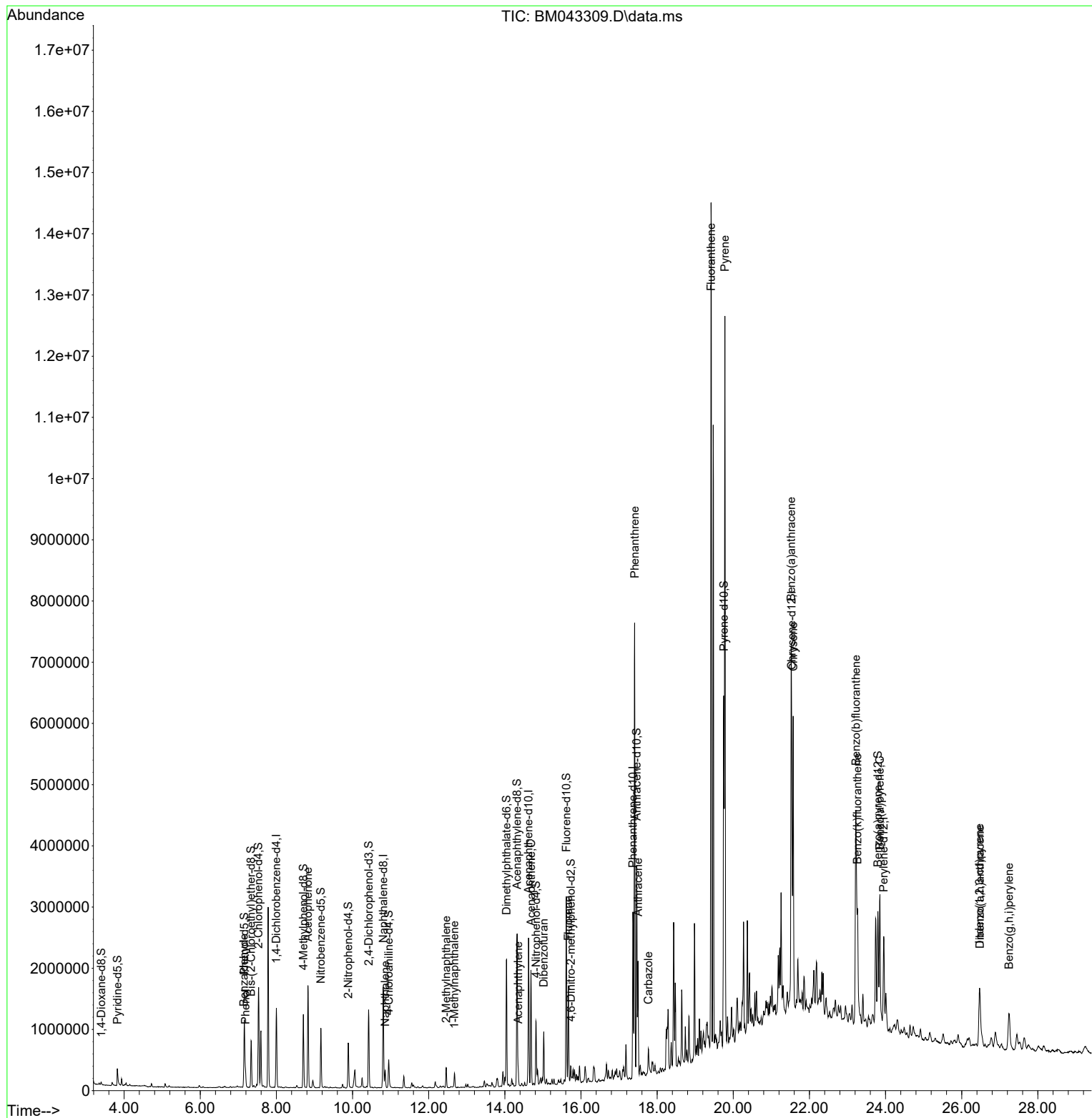
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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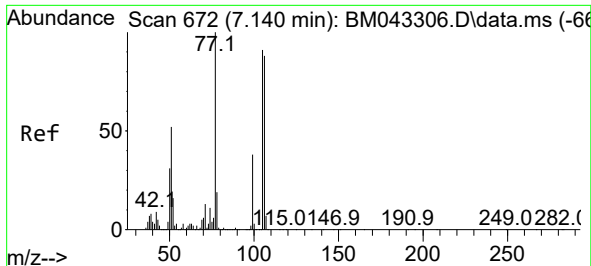
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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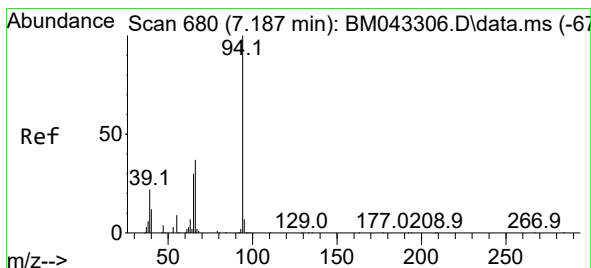
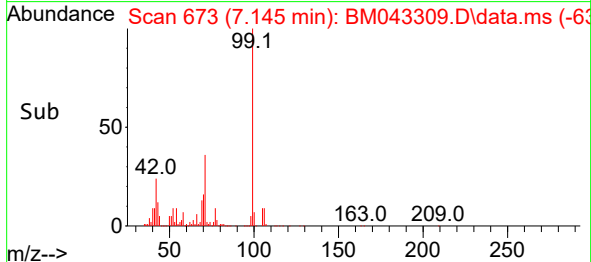
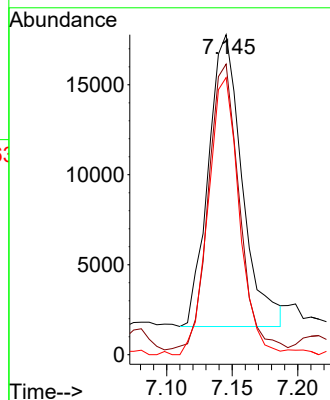
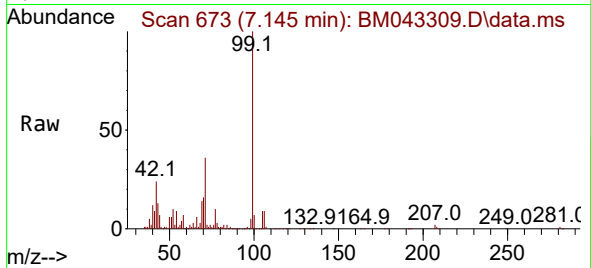




#6
Benzaldehyde
Concen: 2.008 ng/ul
RT: 7.145 min Scan# 61
Delta R.T. 0.006 min
Lab File: BM043309.D
Acq: 13 Dec 2023 19:49

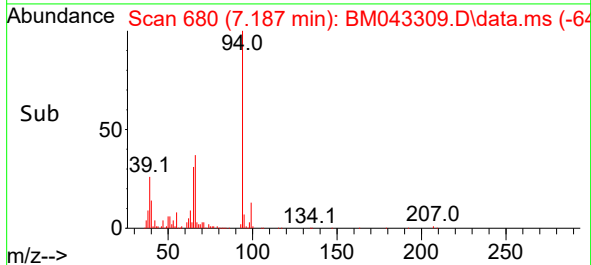
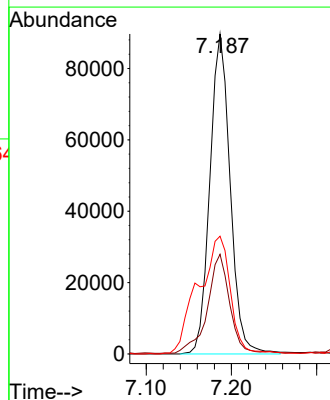
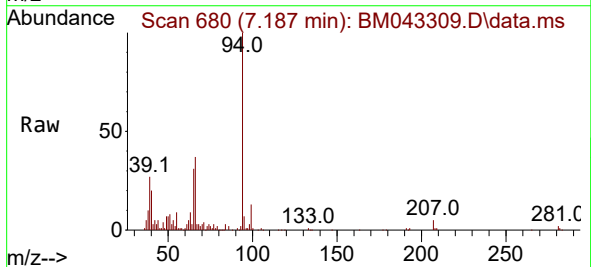
Instrument :
BNA_M
ClientSampleId :
DCLH5

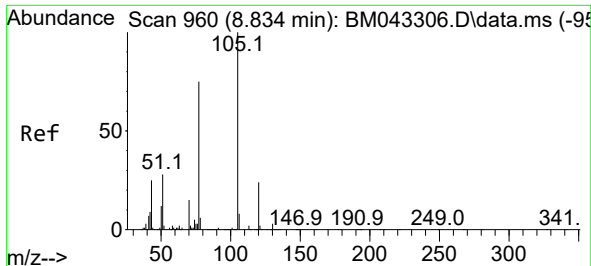
Tgt Ion: 77 Resp: 29054
Ion Ratio Lower Upper
77 100
105 90.8 76.3 114.5
106 86.6 74.6 112.0



#8
Phenol
Concen: 5.335 ng/ul
RT: 7.187 min Scan# 680
Delta R.T. -0.000 min
Lab File: BM043309.D
Acq: 13 Dec 2023 19:49

Tgt Ion: 94 Resp: 148346
Ion Ratio Lower Upper
94 100
65 31.1 23.5 35.3
66 36.8 29.9 44.9

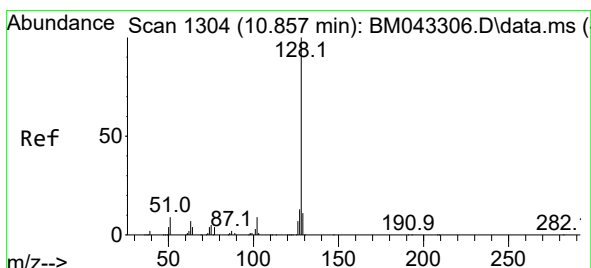
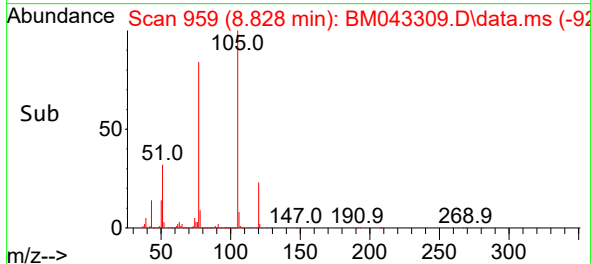
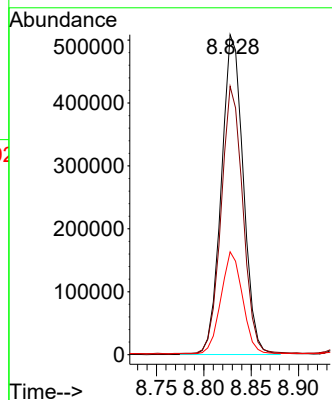
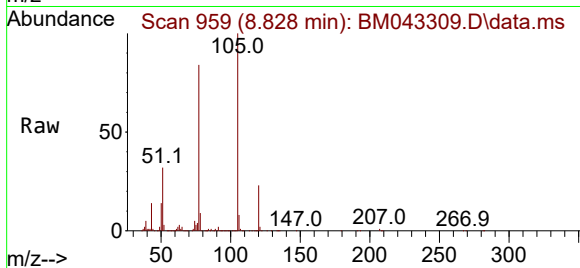




#16
Acetophenone
Concen: 22.908 ng/ul
RT: 8.828 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM043309.D
Acq: 13 Dec 2023 19:49

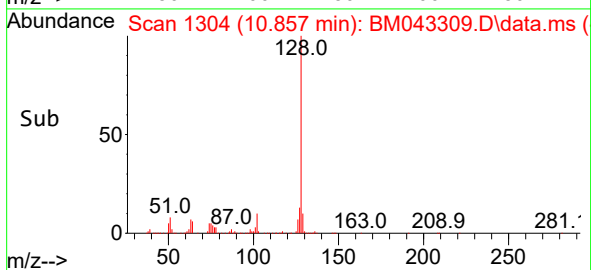
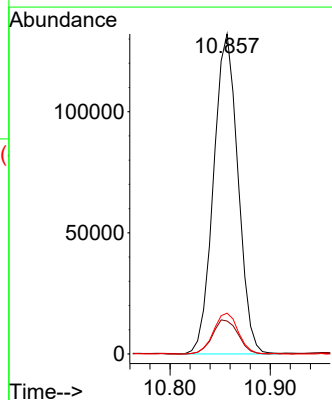
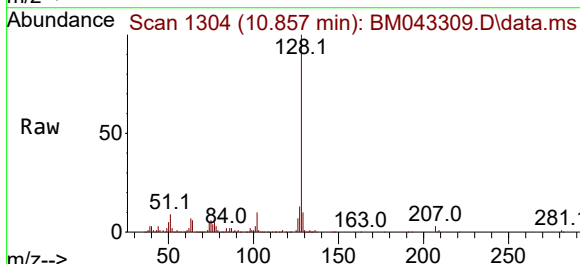
Instrument :
BNA_M
ClientSampleId :
DCLH5

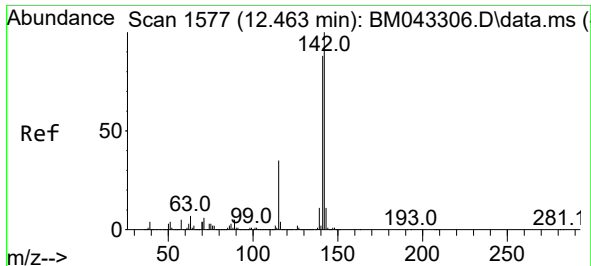
Tgt Ion:105 Resp: 818939
Ion Ratio Lower Upper
105 100
77 83.9 62.7 94.1
51 32.1 23.8 35.8



#30
Naphthalene
Concen: 2.736 ng/ul
RT: 10.857 min Scan# 1304
Delta R.T. -0.000 min
Lab File: BM043309.D
Acq: 13 Dec 2023 19:49

Tgt Ion:128 Resp: 223970
Ion Ratio Lower Upper
128 100
129 10.3 9.0 13.4
127 12.8 10.4 15.6

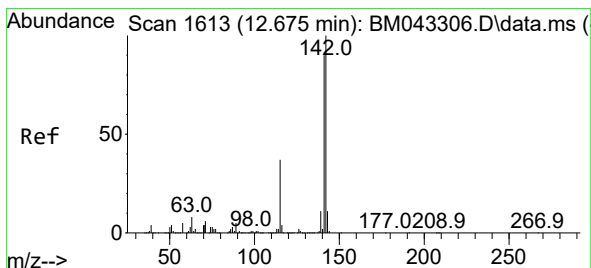
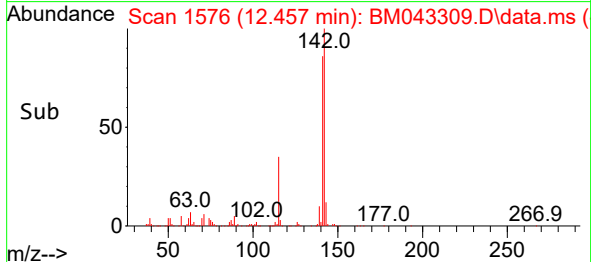
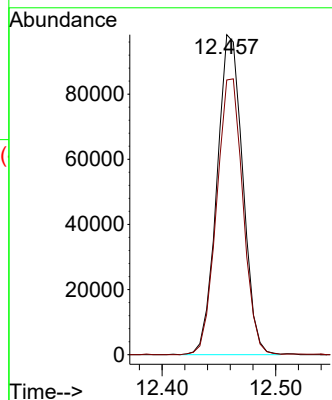
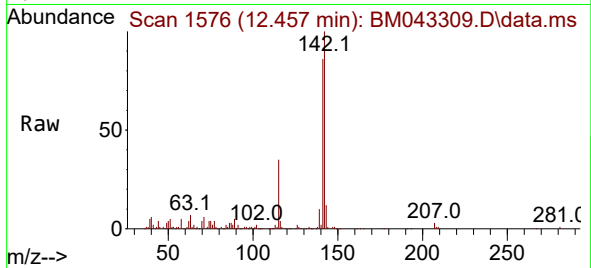




#36
2-Methylnaphthalene
Concen: 2.636 ng/ul
RT: 12.457 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BM043309.D
Acq: 13 Dec 2023 19:49

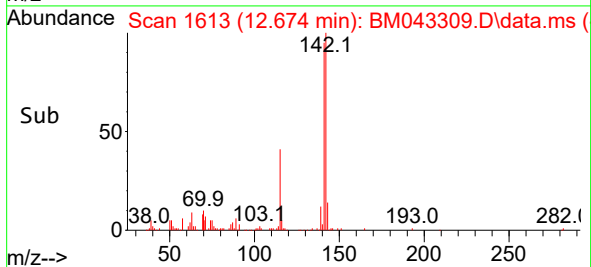
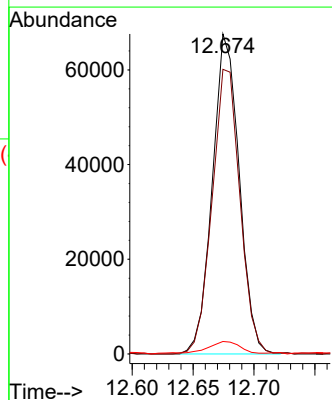
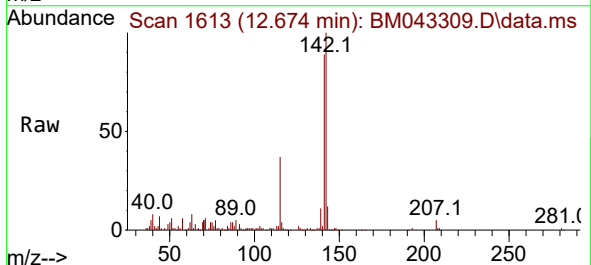
Instrument :
BNA_M
ClientSampleId :
DCLH5

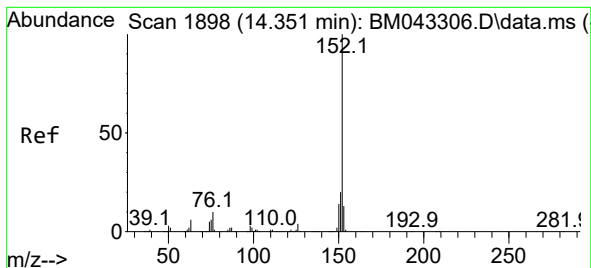
Tgt Ion:142 Resp: 155267
Ion Ratio Lower Upper
142 100
141 85.9 70.0 105.0



#37
1-Methylnaphthalene
Concen: 1.732 ng/ul
RT: 12.674 min Scan# 1613
Delta R.T. -0.000 min
Lab File: BM043309.D
Acq: 13 Dec 2023 19:49

Tgt Ion:142 Resp: 103533
Ion Ratio Lower Upper
142 100
141 89.0 71.9 107.9
116 3.9 2.8 4.2





#50

Acenaphthylene

Concen: 1.735 ng/ul

RT: 14.351 min Scan# 1898

Delta R.T. -0.000 min

Lab File: BM043309.D

Acq: 13 Dec 2023 19:49

Instrument :

BNA_M

ClientSampleId :

DCLH5

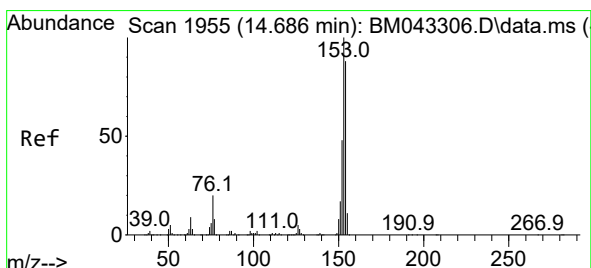
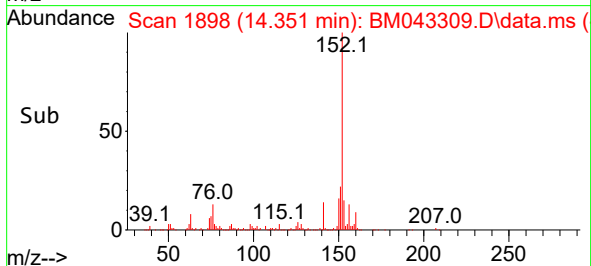
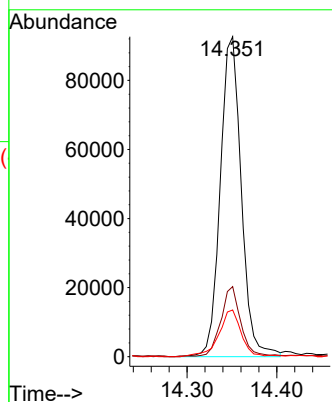
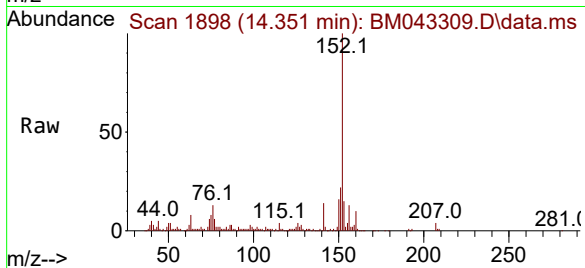
Tgt Ion:152 Resp: 150751

Ion Ratio Lower Upper

152 100

151 21.9 16.0 24.0

153 14.6 10.3 15.5



#52

Acenaphthene

Concen: 12.115 ng/ul

RT: 14.686 min Scan# 1955

Delta R.T. -0.000 min

Lab File: BM043309.D

Acq: 13 Dec 2023 19:49

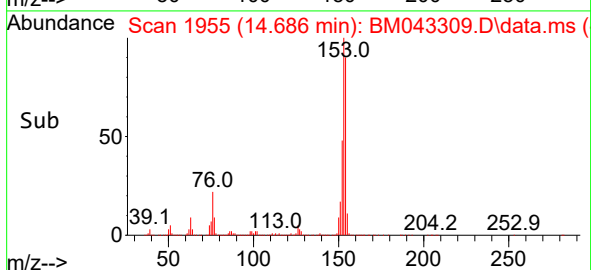
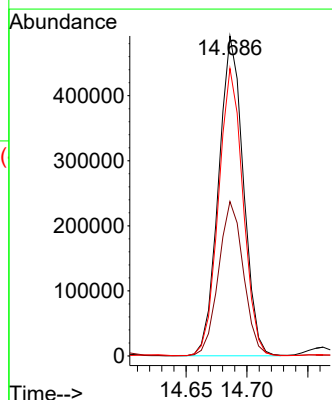
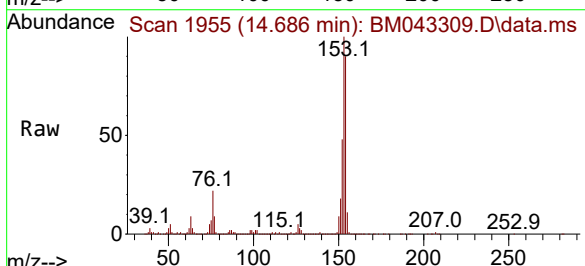
Tgt Ion:153 Resp: 694459

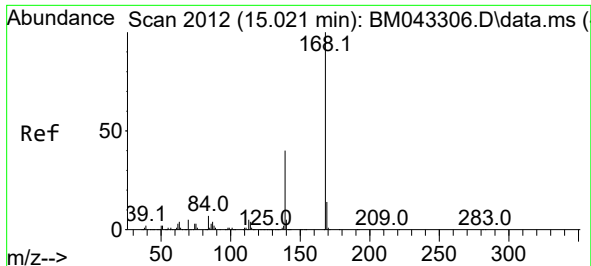
Ion Ratio Lower Upper

153 100

152 48.2 38.6 58.0

154 89.9 71.6 107.4

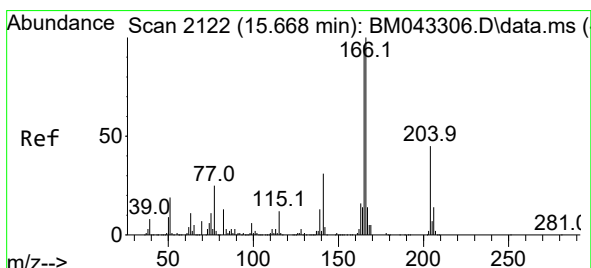
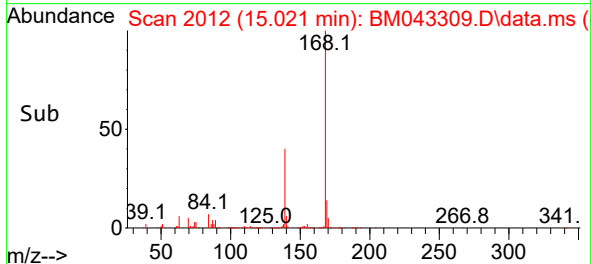
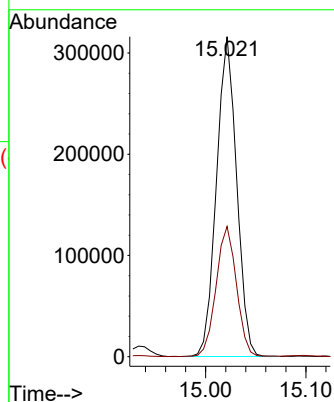
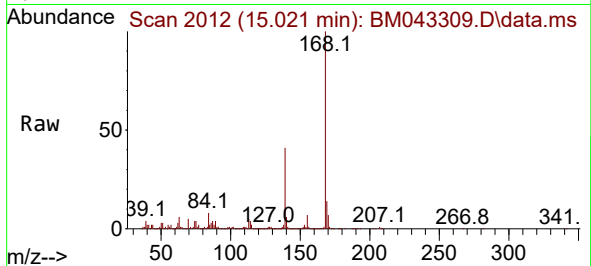




#56
Dibenzenofuran
Concen: 5.630 ng/ul
RT: 15.021 min Scan# 2102
Delta R.T. -0.000 min
Lab File: BM043309.D
Acq: 13 Dec 2023 19:49

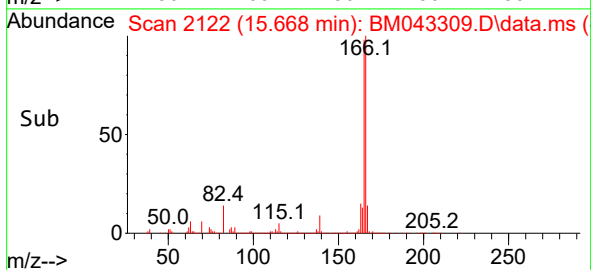
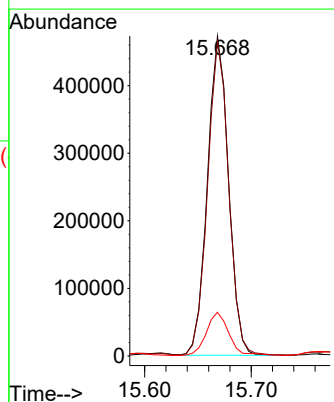
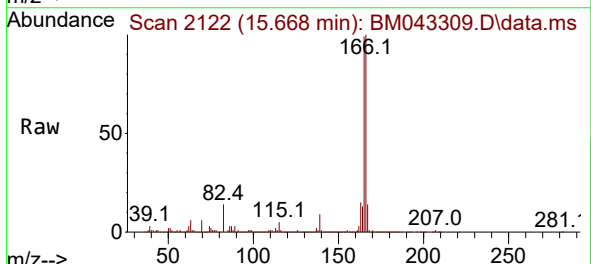
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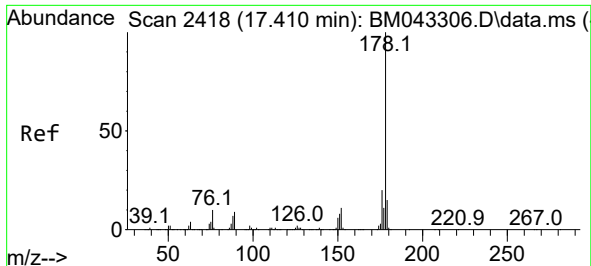
Tgt Ion:168 Resp: 440802
Ion Ratio Lower Upper
168 100
139 40.7 28.6 43.0



#61
Fluorene
Concen: 9.627 ng/ul
RT: 15.668 min Scan# 2122
Delta R.T. -0.000 min
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Tgt Ion:166 Resp: 652518
Ion Ratio Lower Upper
166 100
165 98.6 77.5 116.3
167 13.7 10.7 16.1

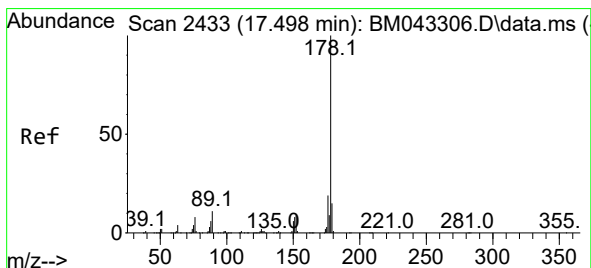
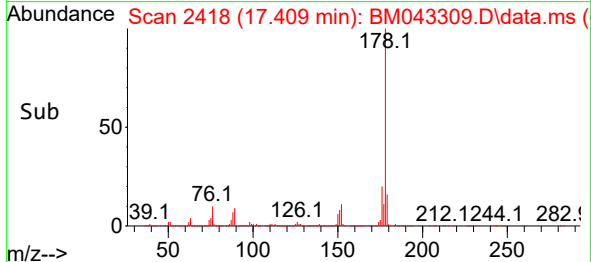
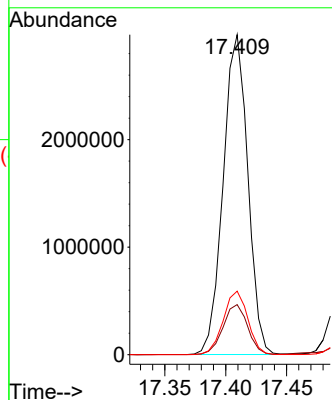
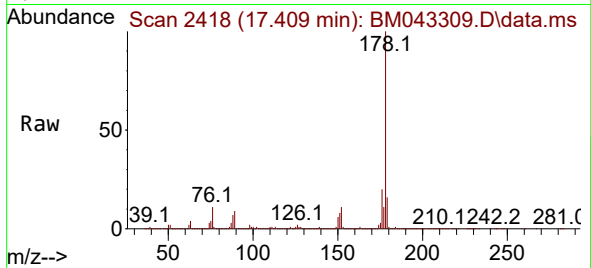




#72
Phenanthrene
Concen: 45.147 ng/ul
RT: 17.409 min Scan# 2418
Delta R.T. -0.000 min
Lab File: BM043309.D
Acq: 13 Dec 2023 19:49

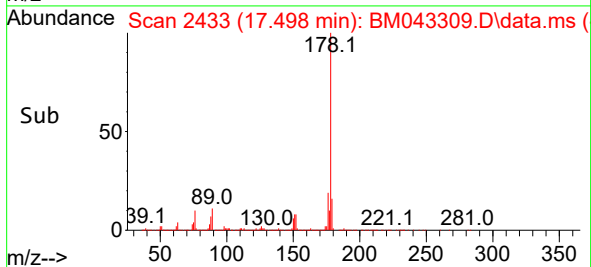
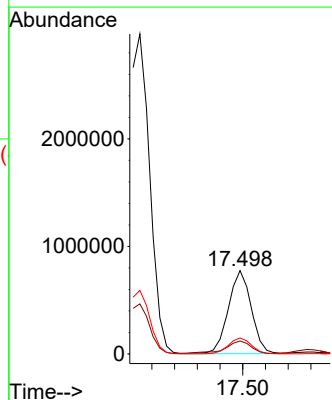
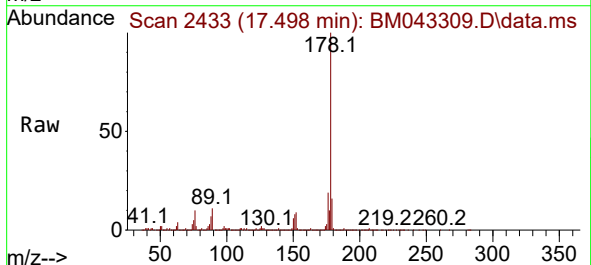
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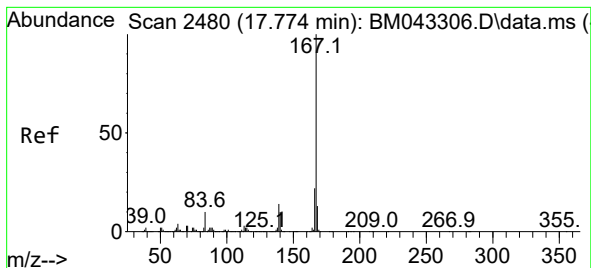
Tgt Ion:178 Resp: 4188644
Ion Ratio Lower Upper
178 100
179 15.7 12.2 18.2
176 19.8 15.7 23.5



#74
Anthracene
Concen: 11.600 ng/ul
RT: 17.498 min Scan# 2433
Delta R.T. -0.000 min
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Tgt Ion:178 Resp: 1084081
Ion Ratio Lower Upper
178 100
179 15.6 12.1 18.1
176 19.1 15.1 22.7





#77

Carbazole

Concen: 2.901 ng/ul

RT: 17.768 min Scan# 2480

Delta R.T. -0.006 min

Lab File: BM043309.D

Acq: 13 Dec 2023 19:49

Instrument :

BNA_M

ClientSampleId :

DCLH5

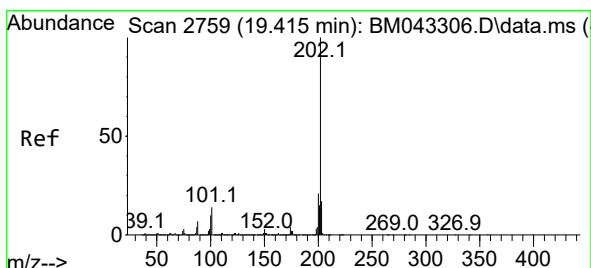
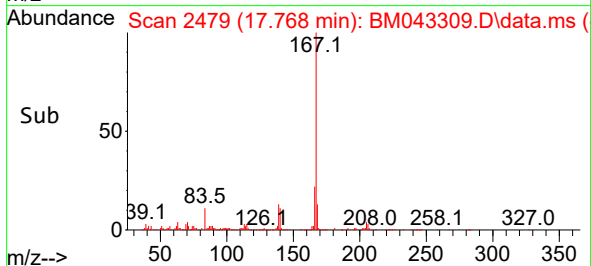
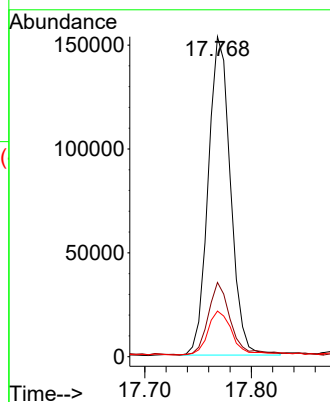
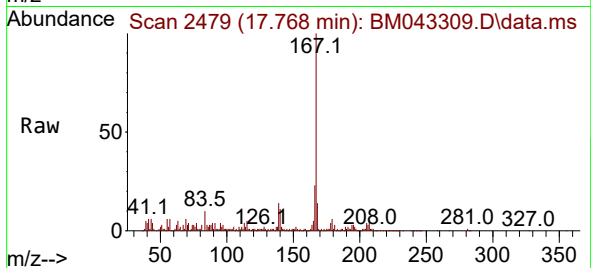
Tgt Ion:167 Resp: 222735

Ion Ratio Lower Upper

167 100

166 23.2 17.1 25.7

139 14.3 9.9 14.9



#80

Fluoranthene

Concen: 90.795 ng/ul

RT: 19.415 min Scan# 2759

Delta R.T. -0.000 min

Lab File: BM043309.D

Acq: 13 Dec 2023 19:49

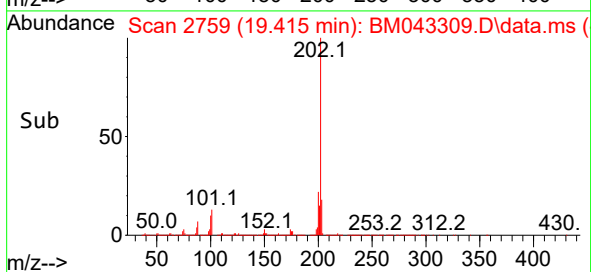
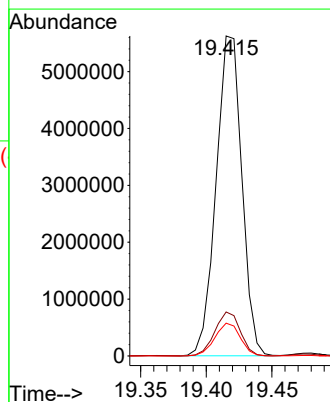
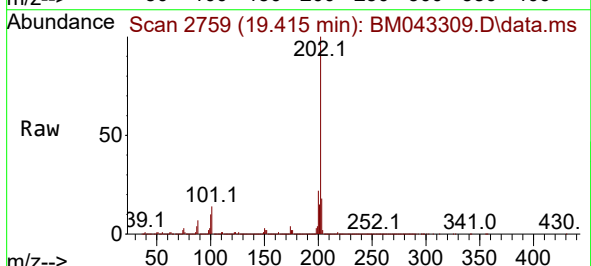
Tgt Ion:202 Resp: 7672489

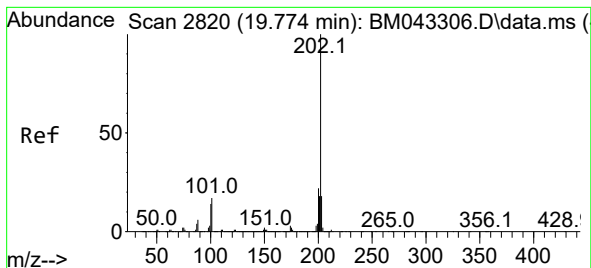
Ion Ratio Lower Upper

202 100

101 13.8 8.2 12.2#

100 10.2 6.1 9.1#





#82

Pyrene

Concen: 74.009 ng/ul

RT: 19.780 min Scan# 2821

Delta R.T. 0.006 min

Lab File: BM043309.D

Acq: 13 Dec 2023 19:49

Instrument :

BNA_M

ClientSampleId :

DCLH5

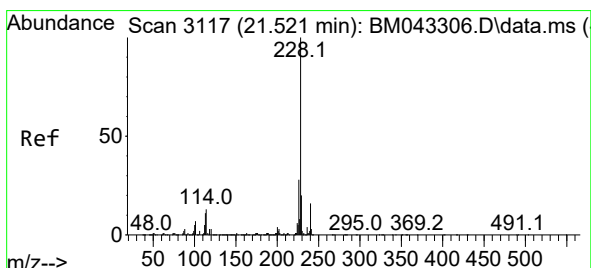
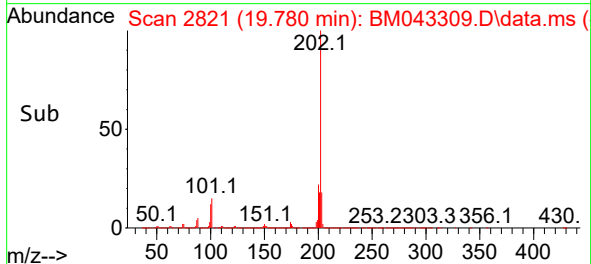
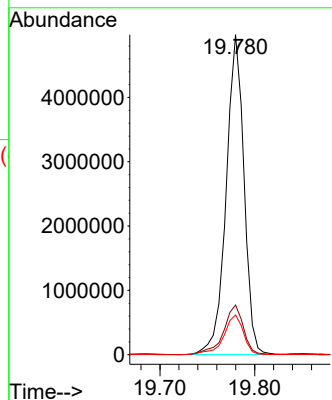
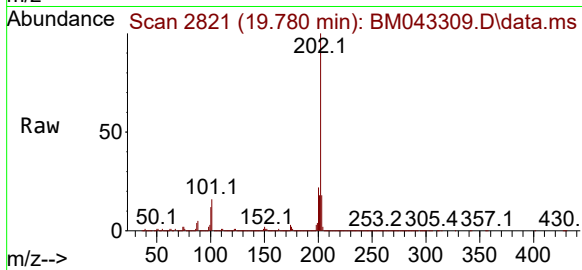
Tgt Ion:202 Resp: 6505662

Ion Ratio Lower Upper

202 100

101 15.5 10.2 15.2#

100 12.4 8.2 12.2#



#85

Benzo(a)anthracene

Concen: 25.987 ng/ul

RT: 21.521 min Scan# 3117

Delta R.T. -0.000 min

Lab File: BM043309.D

Acq: 13 Dec 2023 19:49

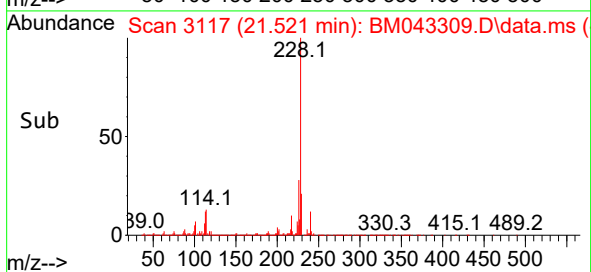
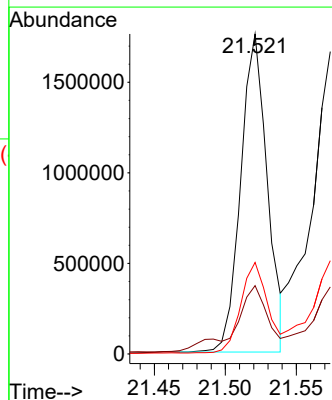
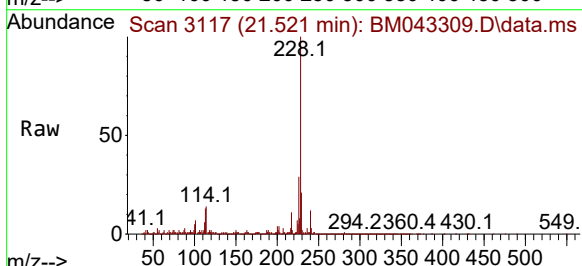
Tgt Ion:228 Resp: 2293954

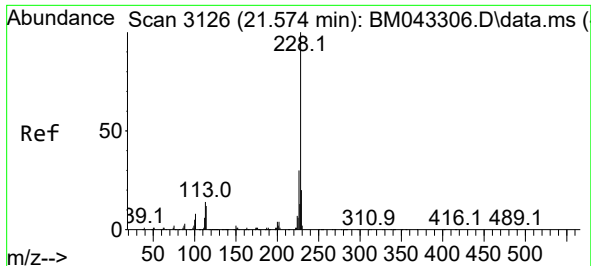
Ion Ratio Lower Upper

228 100

229 21.3 15.8 23.8

226 28.6 22.2 33.4

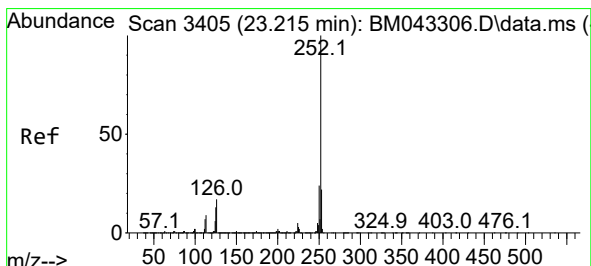
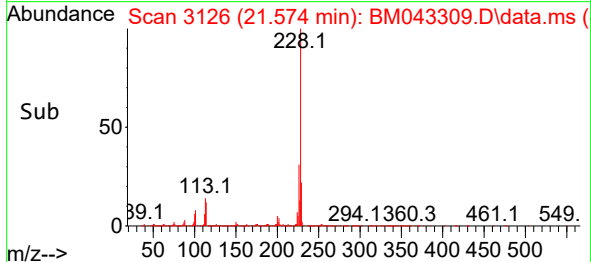
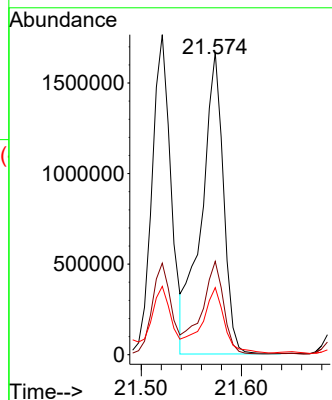
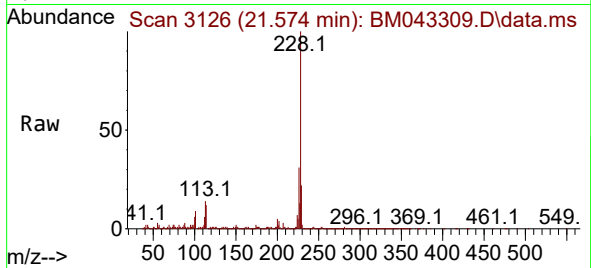




#87
Chrysene
Concen: 32.189 ng/ul
RT: 21.574 min Scan# 3126
Delta R.T. -0.000 min
Lab File: BM043309.D
Acq: 13 Dec 2023 19:49

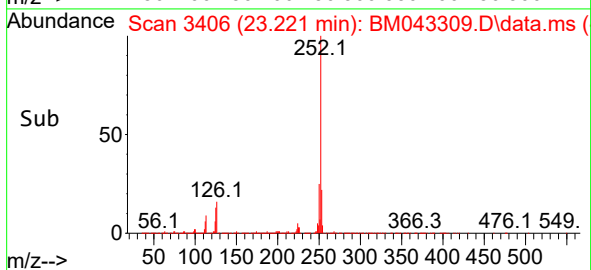
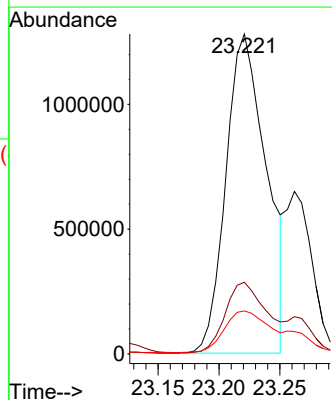
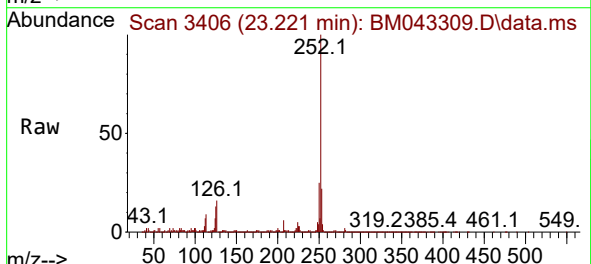
Instrument :
BNA_M
ClientSampleId :
DCLH5

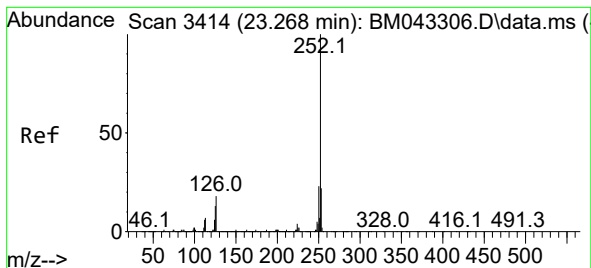
Tgt Ion:228 Resp: 2537813
Ion Ratio Lower Upper
228 100
226 30.8 24.8 37.2
229 22.2 16.2 24.2



#90
Benzo(b)fluoranthene
Concen: 39.273 ng/ul
RT: 23.221 min Scan# 3406
Delta R.T. 0.006 min
Lab File: BM043309.D
Acq: 13 Dec 2023 19:49

Tgt Ion:252 Resp: 2958934
Ion Ratio Lower Upper
252 100
253 22.4 17.4 26.2
125 13.4 7.2 10.8#





#91

Benzo(k)fluoranthene

Concen: 12.822 ng/ul

RT: 23.262 min Scan# 3414

Delta R.T. -0.006 min

Lab File: BM043309.D

Acq: 13 Dec 2023 19:49

Instrument :

BNA_M

ClientSampleId :

DCLH5

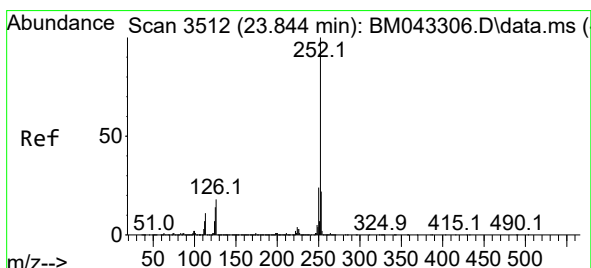
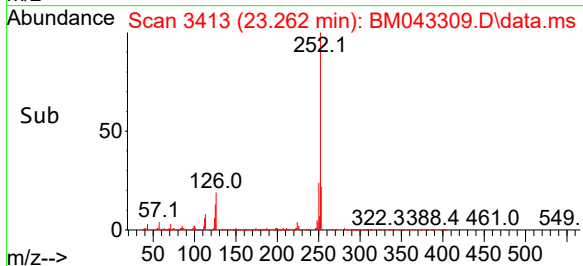
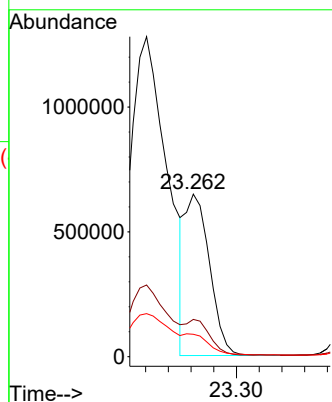
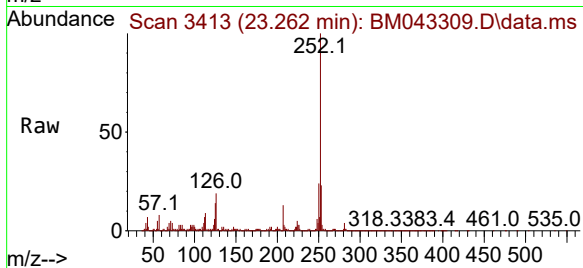
Tgt Ion:252 Resp: 962159

Ion Ratio Lower Upper

252 100

253 22.9 17.9 26.9

125 13.8 7.7 11.5#



#93

Benzo(a)pyrene

Concen: 21.909 ng/ul

RT: 23.850 min Scan# 3513

Delta R.T. 0.006 min

Lab File: BM043309.D

Acq: 13 Dec 2023 19:49

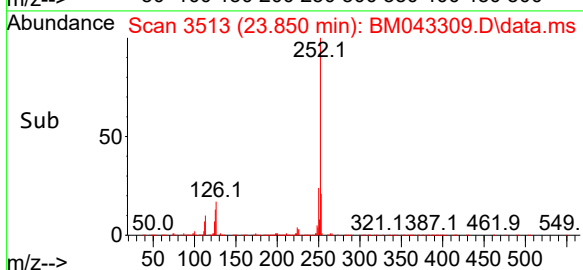
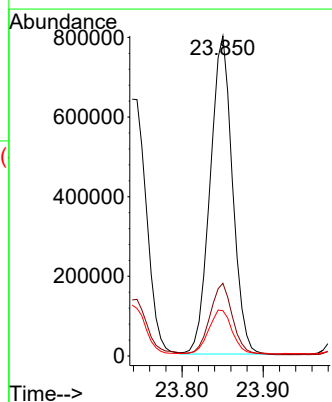
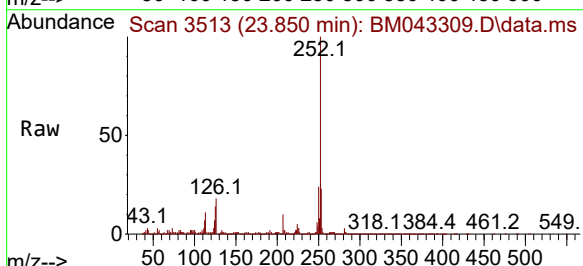
Tgt Ion:252 Resp: 1525728

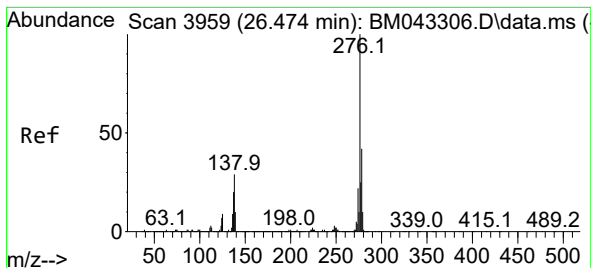
Ion Ratio Lower Upper

252 100

253 22.7 17.8 26.6

125 14.1 8.4 12.6#





#94

Indeno(1,2,3-cd)pyrene

Concen: 11.889 ng/ul

RT: 26.468 min Scan# 3958

Delta R.T. -0.006 min

Lab File: BM043309.D

Acq: 13 Dec 2023 19:49

Instrument :

BNA_M

ClientSampleId :

DCLH5

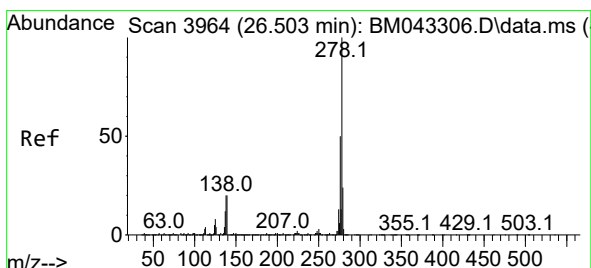
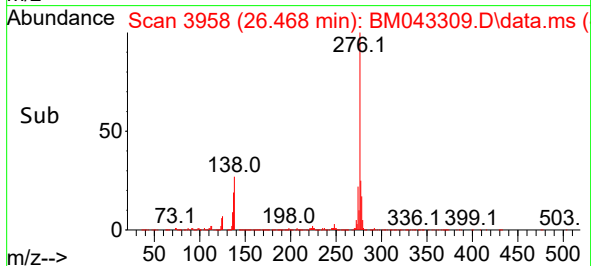
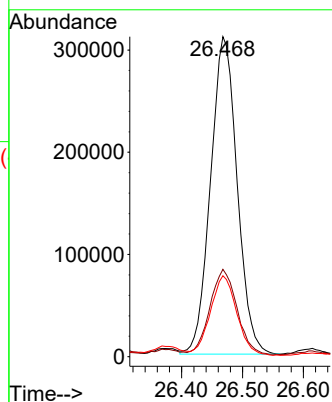
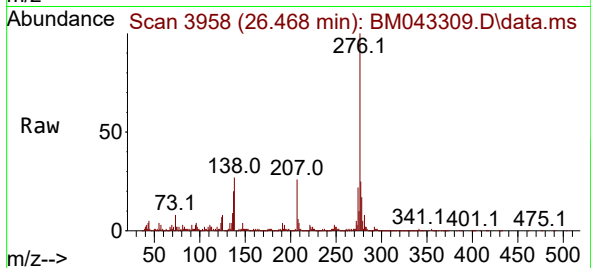
Tgt Ion:276 Resp: 943130

Ion Ratio Lower Upper

276 100

138 27.3 16.9 25.3#

277 25.3 19.5 29.3



#95

Dibenzo(a,h)anthracene

Concen: 3.601 ng/ul

RT: 26.479 min Scan# 3960

Delta R.T. -0.024 min

Lab File: BM043309.D

Acq: 13 Dec 2023 19:49

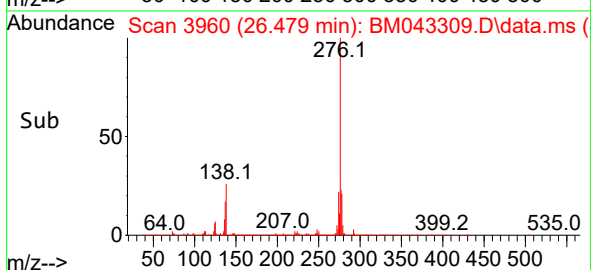
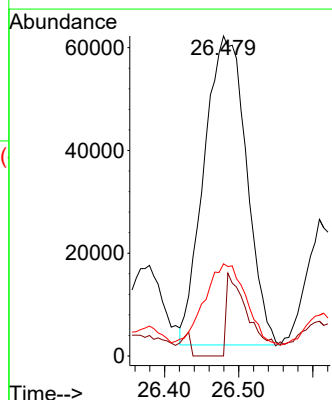
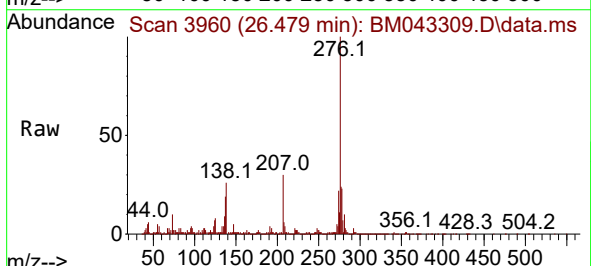
Tgt Ion:278 Resp: 238874

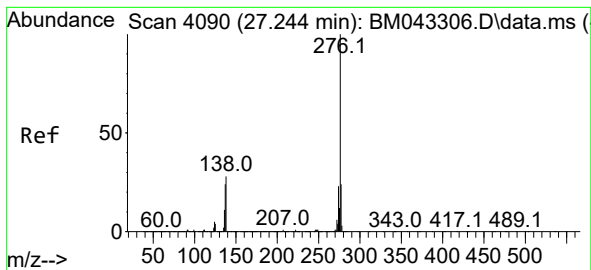
Ion Ratio Lower Upper

278 100

139 0.0 11.9 17.9#

279 28.8 19.4 29.2





#96
 Benzo(g,h,i)perylene
 Concen: 10.913 ng/ul
 RT: 27.244 min Scan# 4090
 Delta R.T. -0.000 min
 Lab File: BM043309.D
 Acq: 13 Dec 2023 19:49

Instrument :
 BNA_M
 ClientSampleId :
 DCLH5

Tgt Ion:276 Resp: 652223
 Ion Ratio Lower Upper
 276 100
 138 29.8 16.2 24.2#
 277 24.9 18.7 28.1

