

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121523\
 Data File : BM043361.D
 Acq On : 15 Dec 2023 17:11
 Operator : MA/JU
 Sample : 05626-21
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCLG9

Quant Time: Dec 15 22:46:31 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM121523.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Dec 15 22:09:25 2023
 Response via : Initial Calibration

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

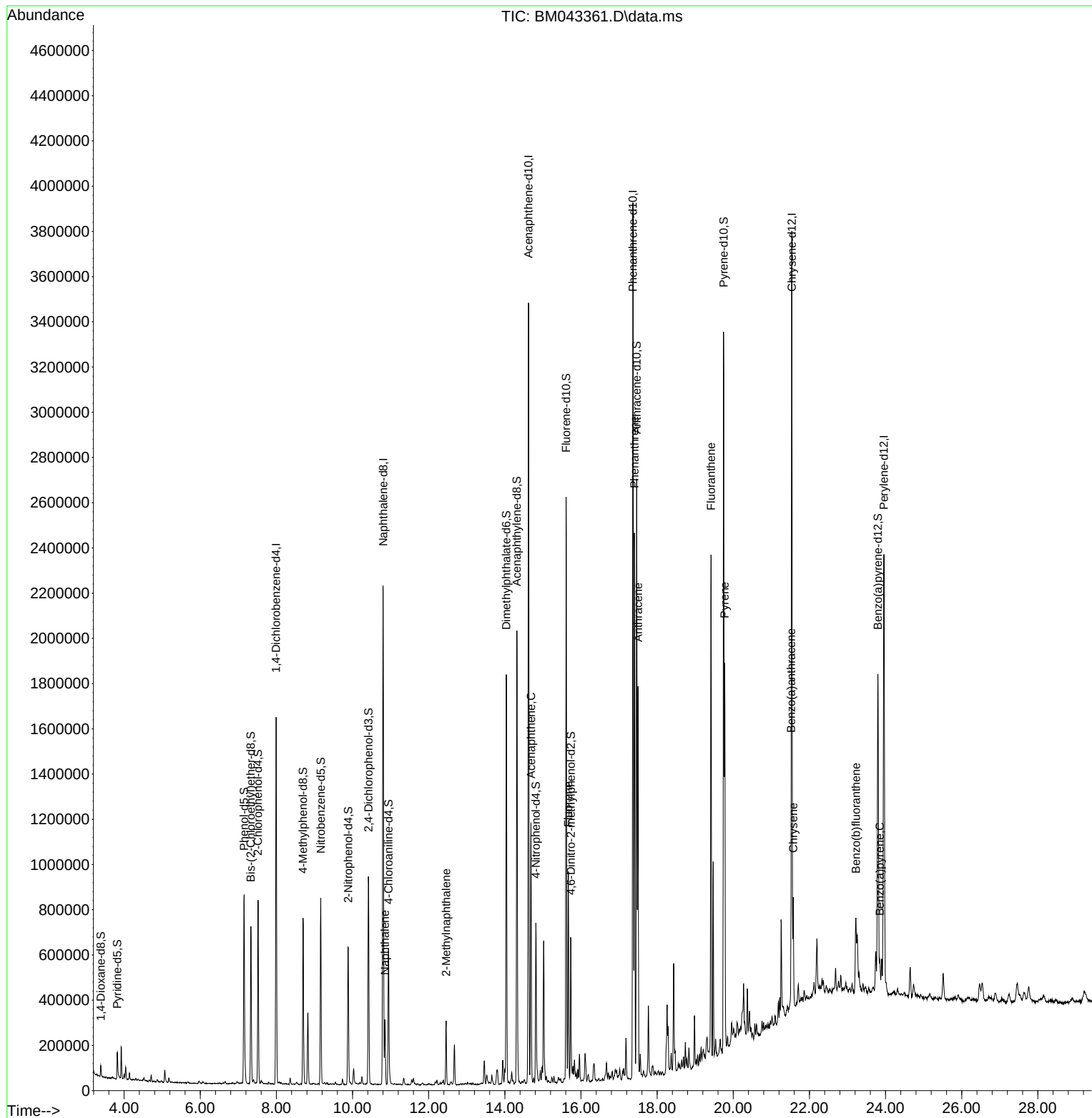
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.992	152	412623	20.000	ng/u1	0.00
20) Naphthalene-d8	10.804	136	1863726	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.621	164	1087326	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.362	188	2088689	20.000	ng/u1	0.00
79) Chrysene-d12	21.539	240	1393753	20.000	ng/u1	0.00
88) Perylene-d12	23.956	264	1378393	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.387	96	24397	1.922	ng/uL	0.00
4) Pyridine-d5	3.816	84	61963	1.696	ng/u1	0.01
7) Phenol-d5	7.151	99	455000	9.693	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.328	67	313356	10.541	ng/u1	0.00
11) 2-Chlorophenol-d4	7.516	132	357463	9.974	ng/u1	0.00
15) 4-Methylphenol-d8	8.698	113	263097	7.223	ng/u1	0.00
21) Nitrobenzene-d5	9.163	128	181781	10.081	ng/u1	0.00
24) 2-Nitrophenol-d4	9.886	143	183332	9.840	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.416	165	316006	9.608	ng/u1	0.00
31) 4-Chloroaniline-d4	10.945	131	313173	6.472	ng/u1	0.00
46) Dimethylphthalate-d6	14.039	166	1111370	11.354	ng/u1	0.00
49) Acenaphthylene-d8	14.316	160	1242522	10.701	ng/u1	0.00
54) 4-Nitrophenol-d4	14.816	143	147339	7.953	ng/u1	0.00
60) Fluorene-d10	15.610	176	944769	11.672	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.733	200	101057	7.316	ng/u1	0.00
73) Anthracene-d10	17.462	188	1330902	11.362	ng/u1	0.00
81) Pyrene-d10	19.745	212	1387280	12.608	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.797	264	999498	11.750	ng/u1	0.00
Target Compounds						
					Qvalue	
30) Naphthalene	10.851	128	225350	1.897	ng/u1	99
36) 2-Methylnaphthalene	12.457	142	129315	1.599	ng/u1	98
52) Acenaphthene	14.686	153	437155	4.974	ng/u1	99
61) Fluorene	15.668	166	377869	3.897	ng/u1	98
72) Phenanthrene	17.404	178	1358277	9.595	ng/u1	100
74) Anthracene	17.498	178	996632	6.976	ng/u1	100
80) Fluoranthene	19.415	202	1219002	8.946	ng/u1	99
82) Pyrene	19.774	202	941765	6.723	ng/u1	98
85) Benzo(a)anthracene	21.521	228	215783	1.851	ng/u1	96
87) Chrysene	21.574	228	276615	2.638	ng/u1	98
90) Benzo(b)fluoranthene	23.221	252	291787	2.762	ng/u1	97
93) Benzo(a)pyrene	23.850	252	101787	1.056	ng/u1	97

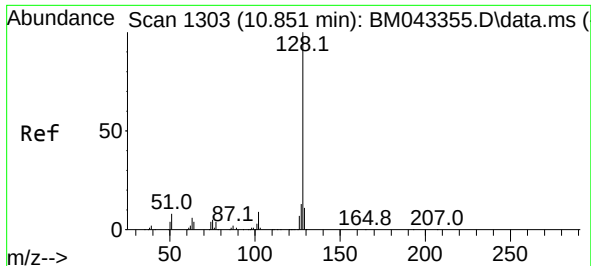
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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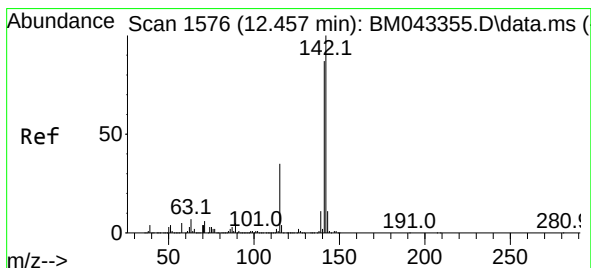
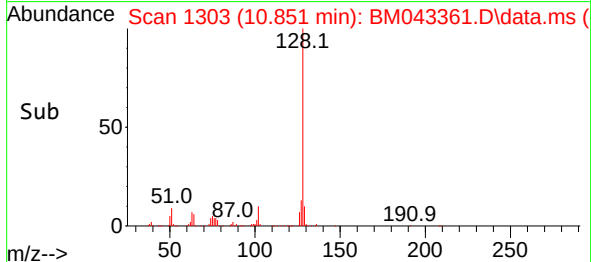
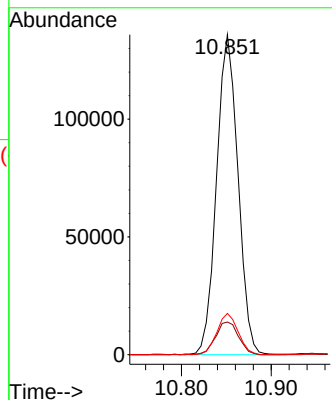
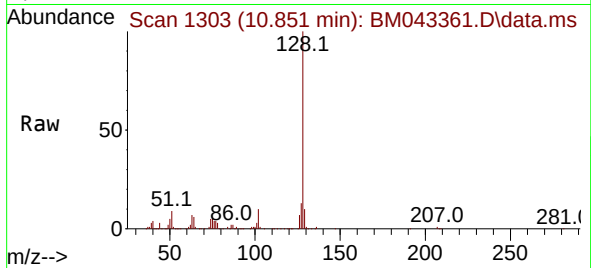




#30
Naphthalene
Concen: 1.897 ng/ul
RT: 10.851 min Scan# 1303
Delta R.T. 0.000 min
Lab File: BM043361.D
Acq: 15 Dec 2023 17:11

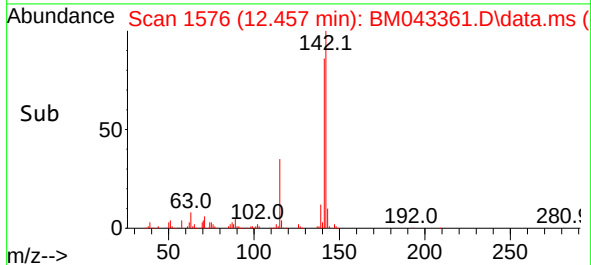
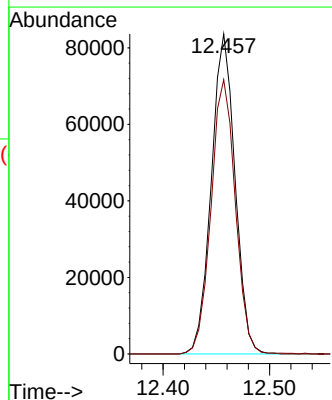
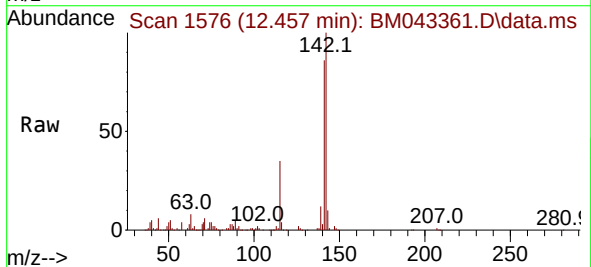
Instrument :
BNA_M
ClientSampleId :
DCLG9

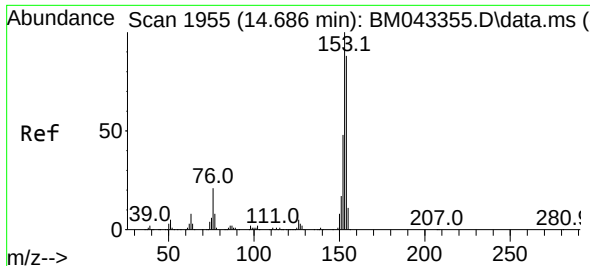
Tgt Ion:128 Resp: 225350
Ion Ratio Lower Upper
128 100
129 10.2 8.8 13.2
127 12.9 10.2 15.4



#36
2-Methylnaphthalene
Concen: 1.599 ng/ul
RT: 12.457 min Scan# 1576
Delta R.T. 0.000 min
Lab File: BM043361.D
Acq: 15 Dec 2023 17:11

Tgt Ion:142 Resp: 129315
Ion Ratio Lower Upper
142 100
141 85.7 69.9 104.9

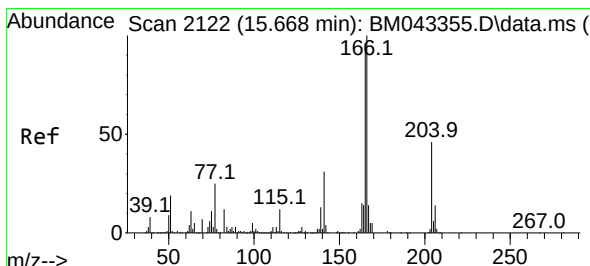
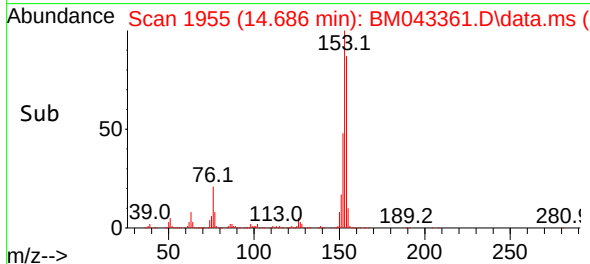
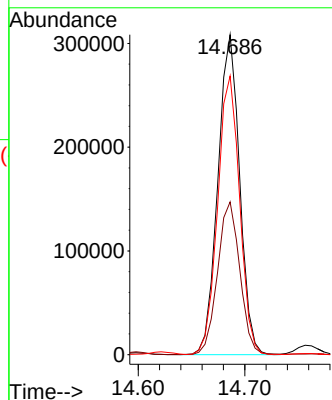
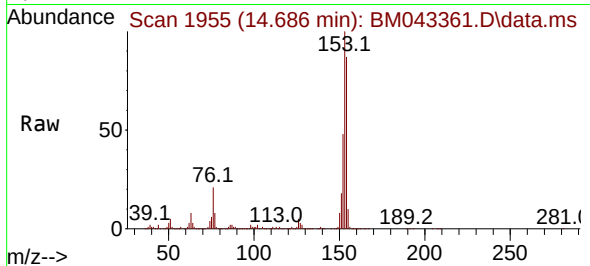




#52
Acenaphthene
Concen: 4.974 ng/ul
RT: 14.686 min Scan# 1955
Delta R.T. 0.000 min
Lab File: BM043361.D
Acq: 15 Dec 2023 17:11

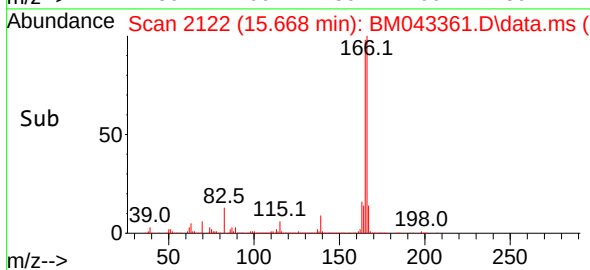
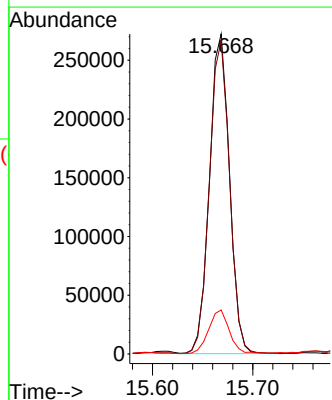
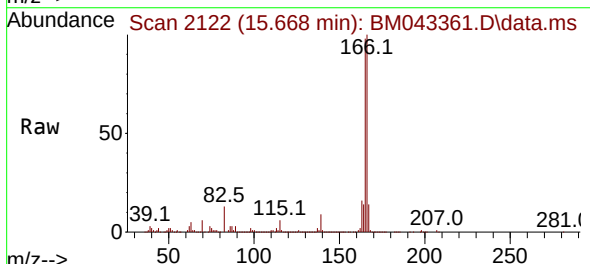
Instrument :
BNA_M
ClientSampleId :
DCLG9

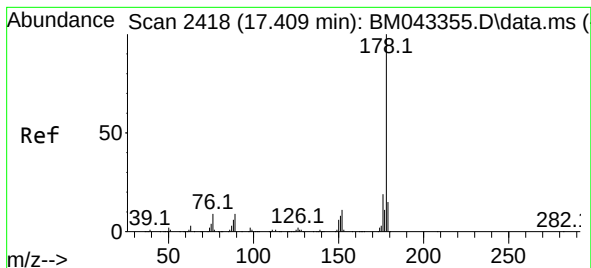
Tgt Ion:153 Resp: 437155
Ion Ratio Lower Upper
153 100
152 47.7 38.1 57.1
154 87.1 70.4 105.6



#61
Fluorene
Concen: 3.897 ng/ul
RT: 15.668 min Scan# 2122
Delta R.T. 0.000 min
Lab File: BM043361.D
Acq: 15 Dec 2023 17:11

Tgt Ion:166 Resp: 377869
Ion Ratio Lower Upper
166 100
165 97.9 76.9 115.3
167 13.8 10.9 16.3





#72

Phenanthrene

Concen: 9.595 ng/u1

RT: 17.404 min Scan# 2418

Delta R.T. -0.006 min

Lab File: BM043361.D

Acq: 15 Dec 2023 17:11

Instrument :

BNA_M

ClientSampleId :

DCLG9

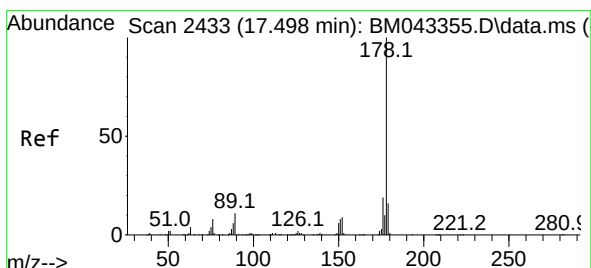
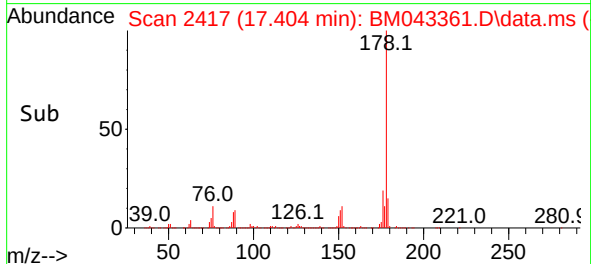
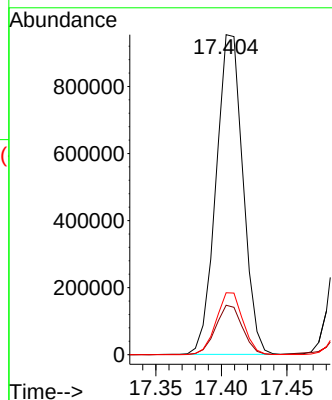
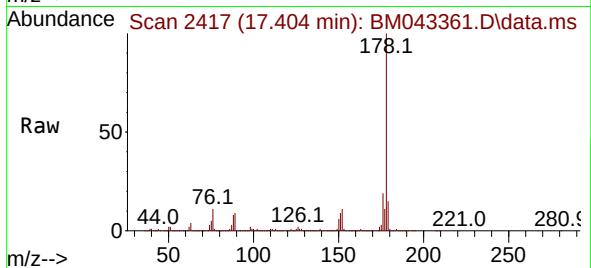
Tgt Ion:178 Resp: 1358277

Ion Ratio Lower Upper

178 100

179 15.5 12.2 18.4

176 19.4 15.5 23.3



#74

Anthracene

Concen: 6.976 ng/u1

RT: 17.498 min Scan# 2433

Delta R.T. 0.000 min

Lab File: BM043361.D

Acq: 15 Dec 2023 17:11

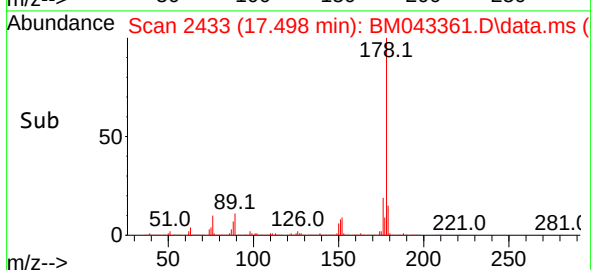
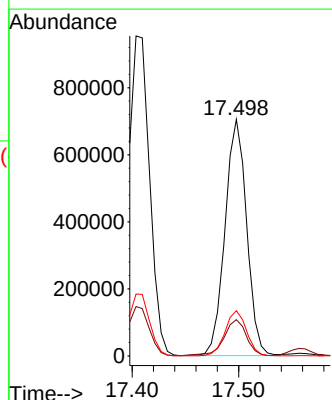
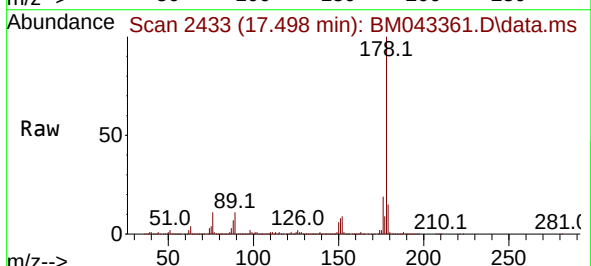
Tgt Ion:178 Resp: 996632

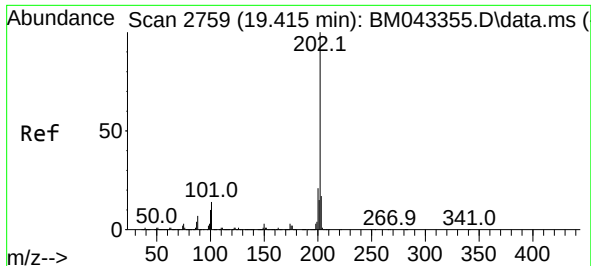
Ion Ratio Lower Upper

178 100

179 15.4 12.4 18.6

176 19.2 15.2 22.8

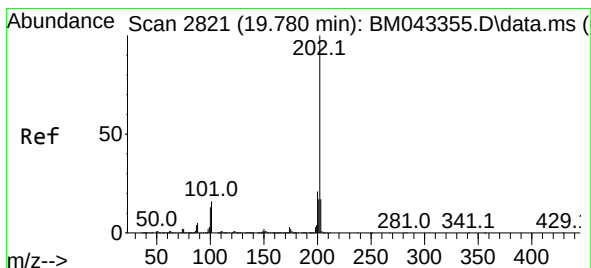
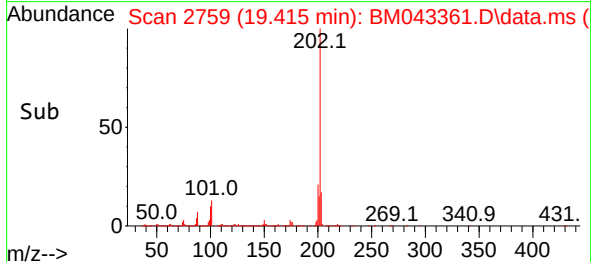
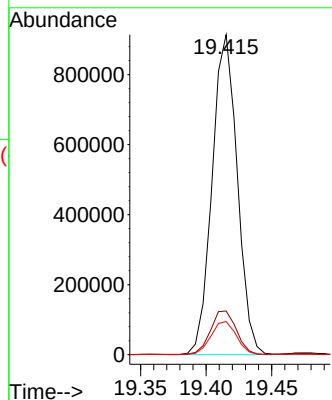
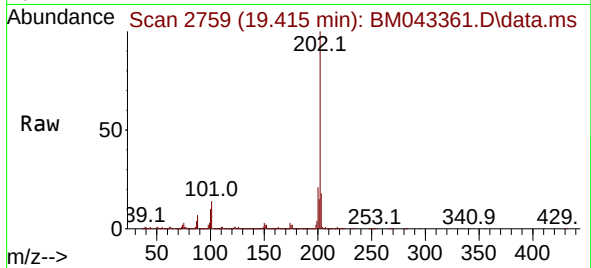




#80
Fluoranthene
Concen: 8.946 ng/ul
RT: 19.415 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM043361.D
Acq: 15 Dec 2023 17:11

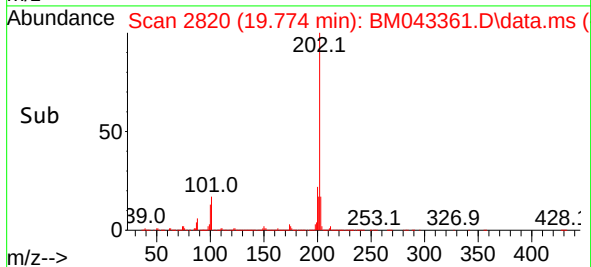
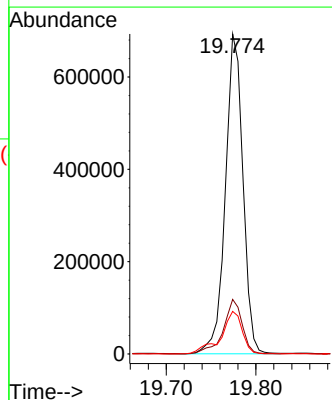
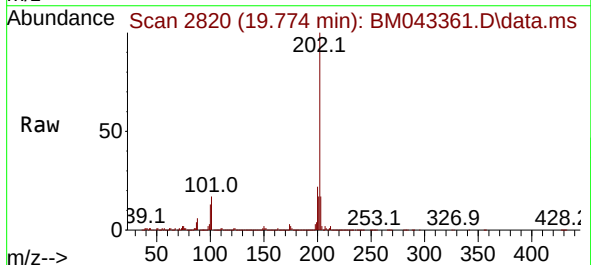
Instrument :
BNA_M
ClientSampleId :
DCLG9

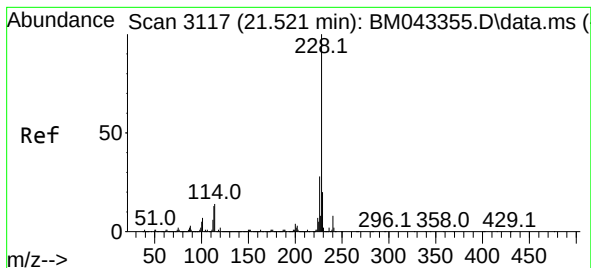
Tgt Ion:202 Resp: 1219002
Ion Ratio Lower Upper
202 100
101 13.7 11.4 17.0
100 10.3 8.2 12.4



#82
Pyrene
Concen: 6.723 ng/ul
RT: 19.774 min Scan# 2820
Delta R.T. -0.006 min
Lab File: BM043361.D
Acq: 15 Dec 2023 17:11

Tgt Ion:202 Resp: 941765
Ion Ratio Lower Upper
202 100
101 17.0 12.7 19.1
100 13.3 10.1 15.1





#85

Benzo(a)anthracene

Concen: 1.851 ng/u1

RT: 21.521 min Scan# 3117

Delta R.T. 0.000 min

Lab File: BM043361.D

Acq: 15 Dec 2023 17:11

Instrument :

BNA_M

ClientSampleId :

DCLG9

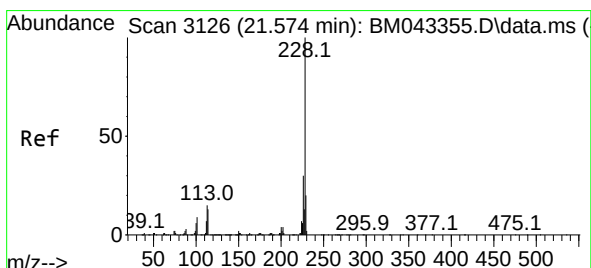
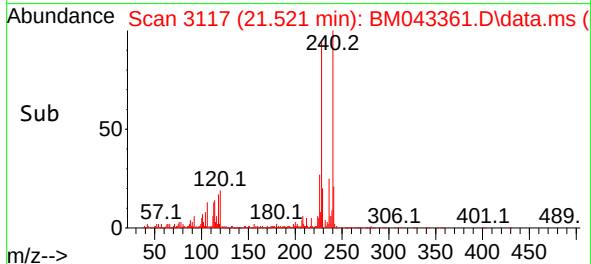
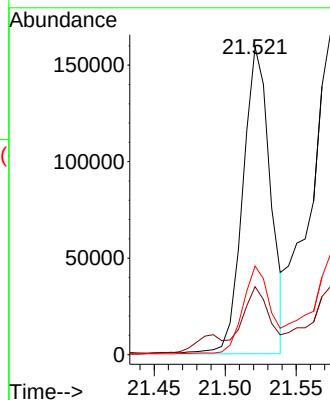
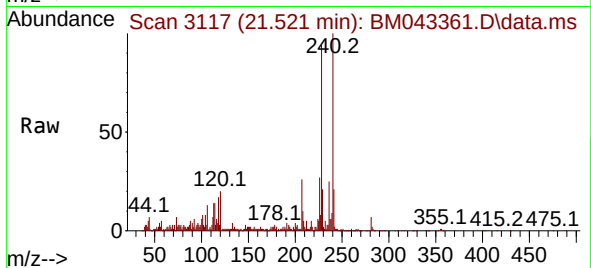
Tgt Ion:228 Resp: 215783

Ion Ratio Lower Upper

228 100

229 22.1 15.6 23.4

226 28.8 22.2 33.2



#87

Chrysene

Concen: 2.638 ng/u1

RT: 21.574 min Scan# 3126

Delta R.T. 0.000 min

Lab File: BM043361.D

Acq: 15 Dec 2023 17:11

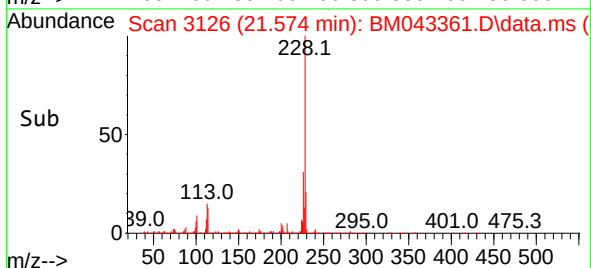
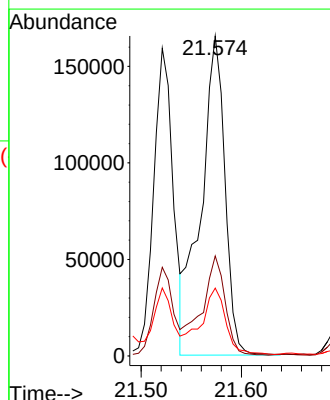
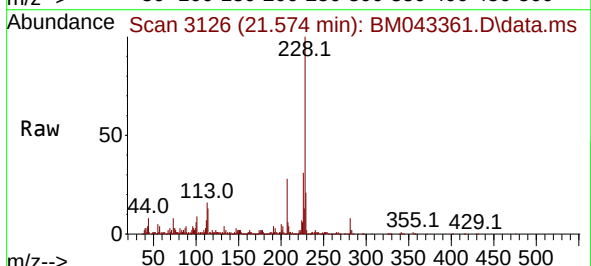
Tgt Ion:228 Resp: 276615

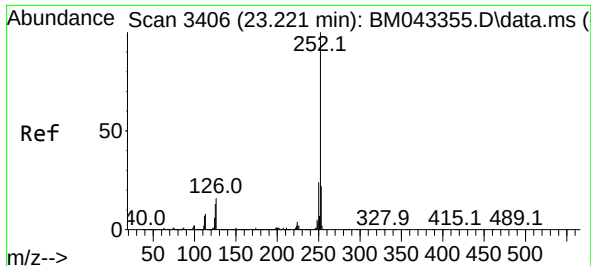
Ion Ratio Lower Upper

228 100

226 31.3 24.2 36.2

229 21.2 15.9 23.9

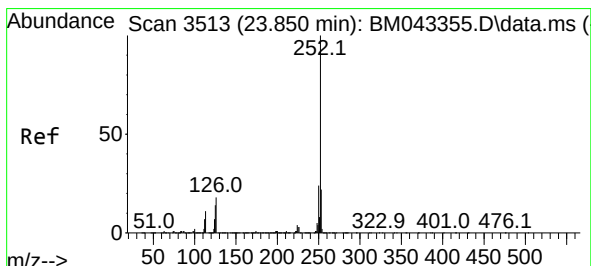
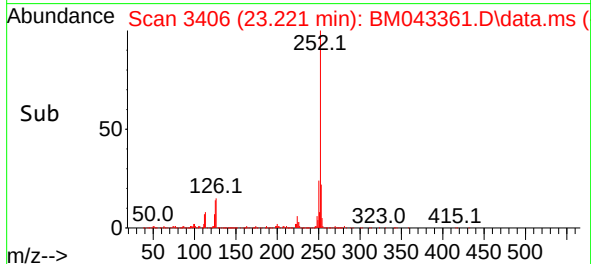
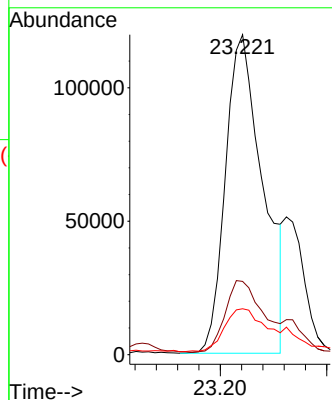
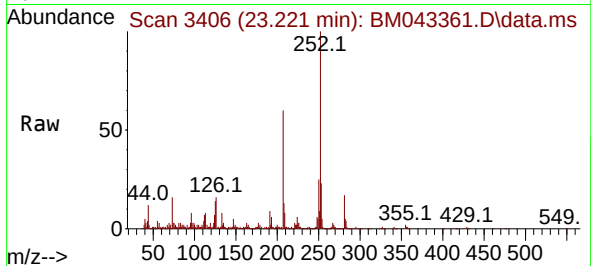




#90
Benzo(b)fluoranthene
Concen: 2.762 ng/ul
RT: 23.221 min Scan# 3406
Delta R.T. 0.000 min
Lab File: BM043361.D
Acq: 15 Dec 2023 17:11

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Tgt Ion:252 Resp: 291787
Ion Ratio Lower Upper
252 100
253 22.9 17.4 26.2
125 14.3 10.4 15.6



#93
Benzo(a)pyrene
Concen: 1.056 ng/ul
RT: 23.850 min Scan# 3513
Delta R.T. 0.000 min
Lab File: BM043361.D
Acq: 15 Dec 2023 17:11

Tgt Ion:252 Resp: 101787
Ion Ratio Lower Upper
252 100
253 23.4 17.9 26.9
125 16.1 11.4 17.2

