

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121423\
 Data File : BM043344.D
 Acq On : 14 Dec 2023 20:08
 Operator : MA/JU
 Sample : 05626-19
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Dec 14 23:27:48 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

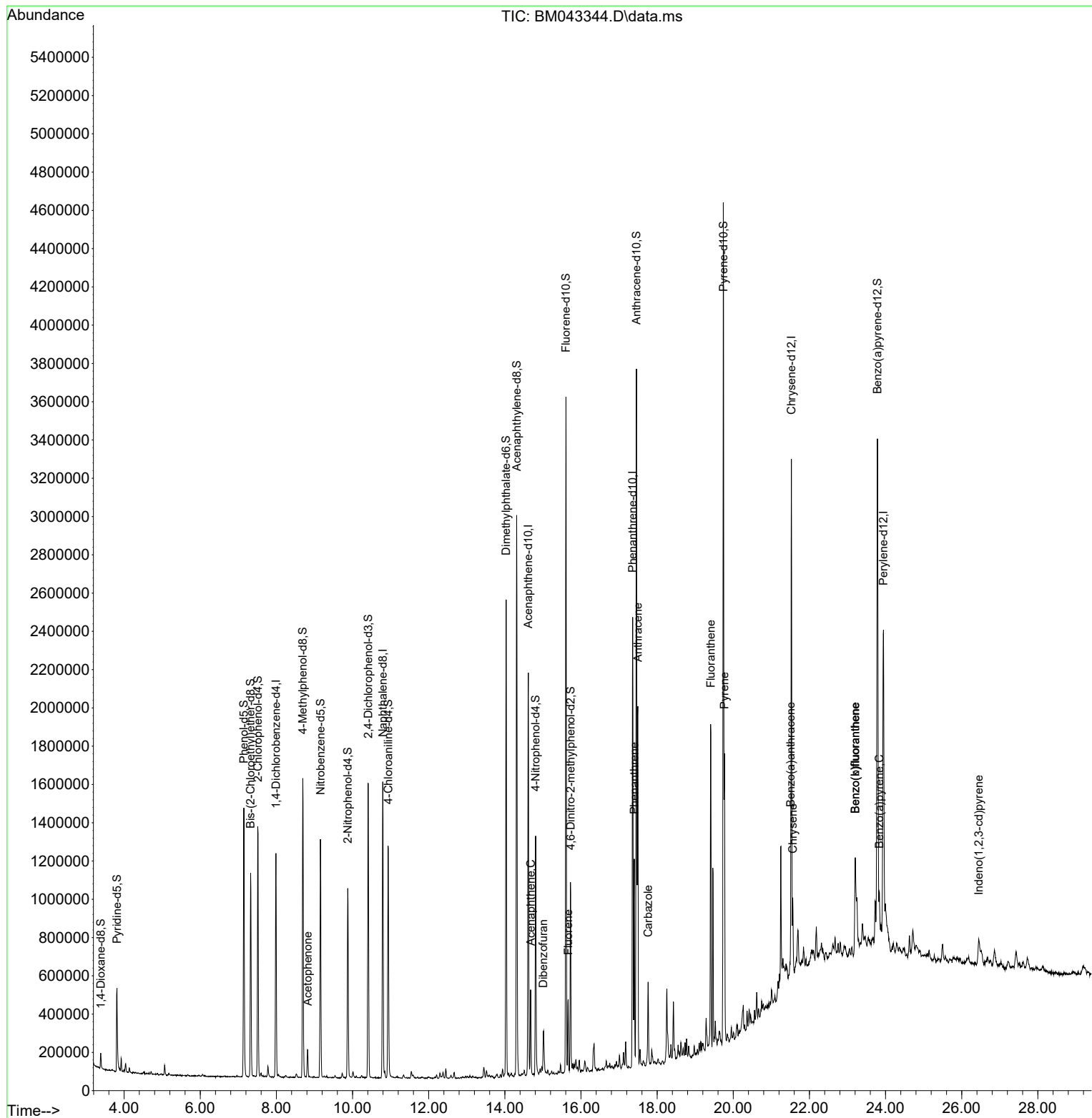
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.987	152	298932	20.000	ng/ul	-0.01
20) Naphthalene-d8	10.792	136	1246685	20.000	ng/ul	-0.01
38) Acenaphthene-d10	14.616	164	689433	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.357	188	1309608	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.527	240	1037549	20.000	ng/ul	# 0.00
88) Perylene-d12	23.944	264	1200311	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.387	96	37417	4.912	ng/uL	0.00
4) Pyridine-d5	3.810	84	238064	10.534	ng/ul	0.00
7) Phenol-d5	7.145	99	750542	25.290	ng/ul	-0.01
9) Bis-(2-Chloroethyl)eth...	7.322	67	477066	25.967	ng/ul	-0.01
11) 2-Chlorophenol-d4	7.510	132	582761	25.758	ng/ul	-0.02
15) 4-Methylphenol-d8	8.692	113	568604	24.218	ng/ul	-0.02
21) Nitrobenzene-d5	9.157	128	284722	26.795	ng/ul	-0.01
24) 2-Nitrophenol-d4	9.875	143	299900	29.268	ng/ul	-0.01
28) 2,4-Dichlorophenol-d3	10.410	165	530737	23.238	ng/ul	-0.02
31) 4-Chloroaniline-d4	10.939	131	651929	19.839	ng/ul	-0.01
46) Dimethylphthalate-d6	14.033	166	1519330	25.140	ng/ul	-0.01
49) Acenaphthylene-d8	14.310	160	1833352	26.221	ng/ul	-0.01
54) 4-Nitrophenol-d4	14.810	143	260326	24.039	ng/ul	-0.01
60) Fluorene-d10	15.604	176	1301051	24.696	ng/ul	-0.01
65) 4,6-Dinitro-2-methylph...	15.727	200	161485	22.404	ng/ul	0.00
73) Anthracene-d10	17.457	188	1917579	27.065	ng/ul	0.00
81) Pyrene-d10	19.739	212	2016687	30.377	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.786	264	1905475	27.206	ng/ul	-0.01
Target Compounds						
					Qvalue	
16) Acetophenone	8.822	105	76477	2.027	ng/ul#	94
52) Acenaphthene	14.680	153	178468	3.424	ng/ul	100
56) Dibenzofuran	15.010	168	119128	1.673	ng/ul	95
61) Fluorene	15.663	166	161740	2.624	ng/ul	97
72) Phenanthrene	17.398	178	586130	7.177	ng/ul	100
74) Anthracene	17.492	178	1140355	13.862	ng/ul	99
77) Carbazole	17.762	167	253050	3.745	ng/ul	99
80) Fluoranthene	19.409	202	957746	12.576	ng/ul#	93
82) Pyrene	19.768	202	831684	10.499	ng/ul#	92
85) Benzo(a)anthracene	21.509	228	167929	2.111	ng/ul	95
87) Chrysene	21.562	228	200592	2.823	ng/ul	98
90) Benzo(b)fluoranthene	23.203	252	405179	4.731	ng/ul#	94
91) Benzo(k)fluoranthene	23.203	252	405179	4.750	ng/ul#	95
93) Benzo(a)pyrene	23.839	252	211503	2.672	ng/ul#	95
94) Indeno(1,2,3-cd)pyrene	26.450	276	129588	1.437	ng/ul#	93

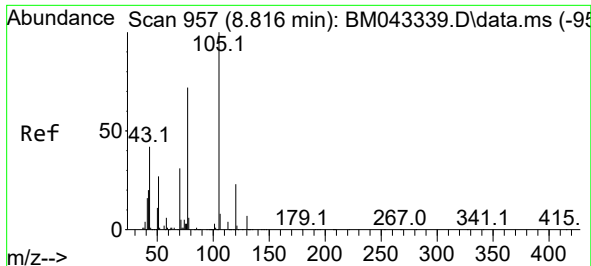
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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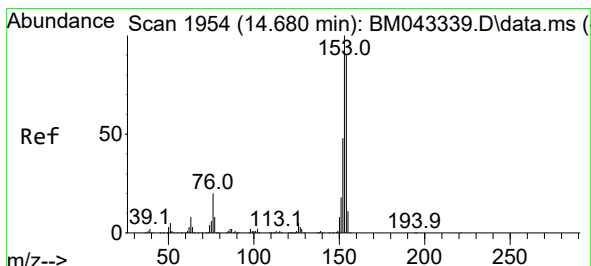
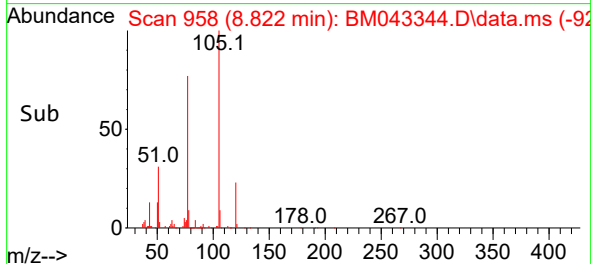
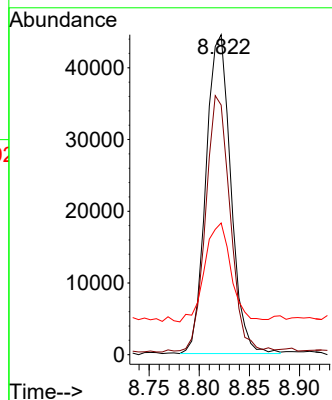
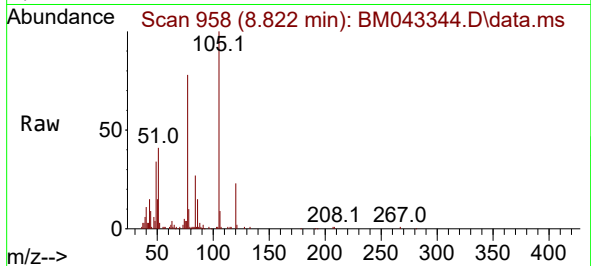




#16
Acetophenone
Concen: 2.027 ng/ul
RT: 8.822 min Scan# 91
Delta R.T. -0.012 min
Lab File: BM043344.D
Acq: 14 Dec 2023 20:08

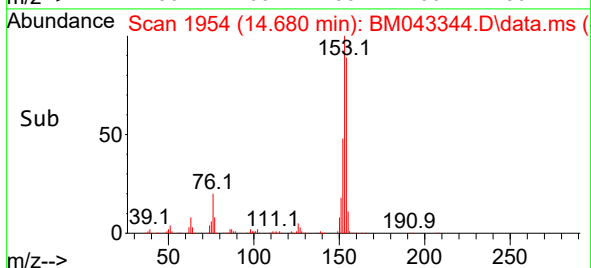
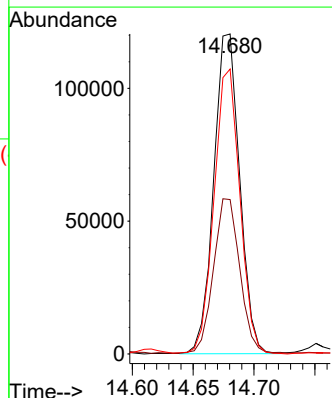
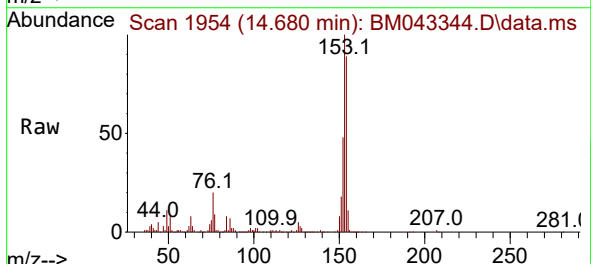
Instrument :
BNA_P
ClientSampleId :

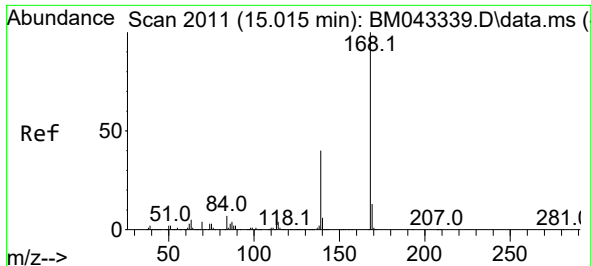
Tgt Ion:105 Resp: 76477
Ion Ratio Lower Upper
105 100
77 78.0 62.7 94.1
51 41.2 23.8 35.8#



#52
Acenaphthene
Concen: 3.424 ng/ul
RT: 14.680 min Scan# 1954
Delta R.T. -0.006 min
Lab File: BM043344.D
Acq: 14 Dec 2023 20:08

Tgt Ion:153 Resp: 178468
Ion Ratio Lower Upper
153 100
152 48.3 38.6 58.0
154 89.0 71.6 107.4

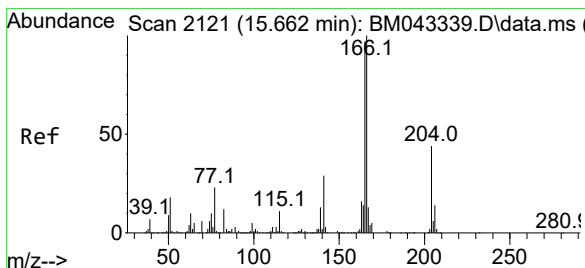
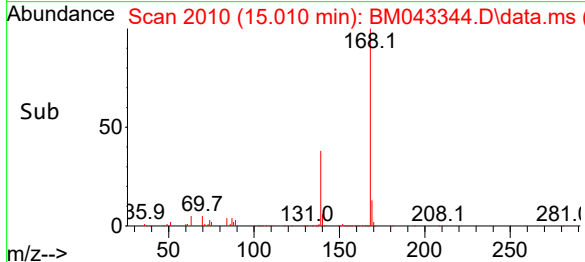
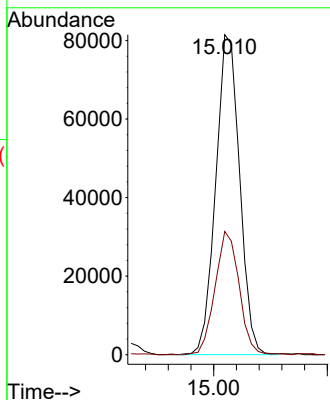
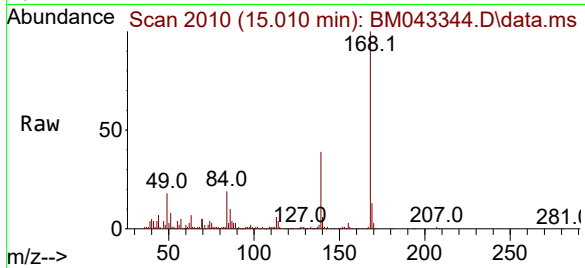




#56
Dibenzenofuran
Concen: 1.673 ng/ul
RT: 15.010 min Scan# 2011
Delta R.T. -0.012 min
Lab File: BM043344.D
Acq: 14 Dec 2023 20:08

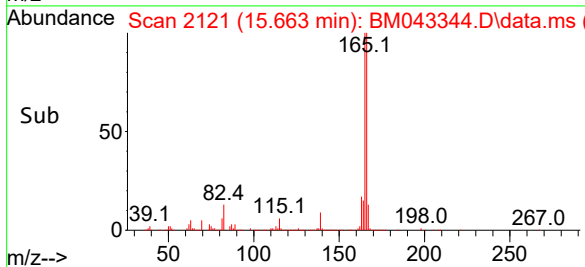
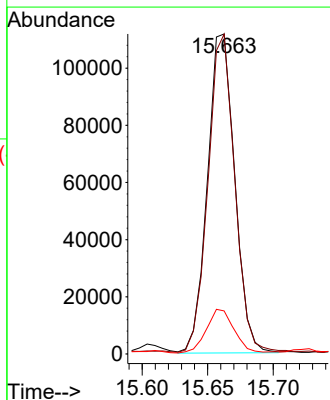
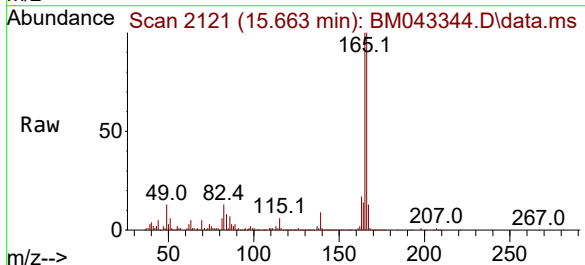
Instrument :
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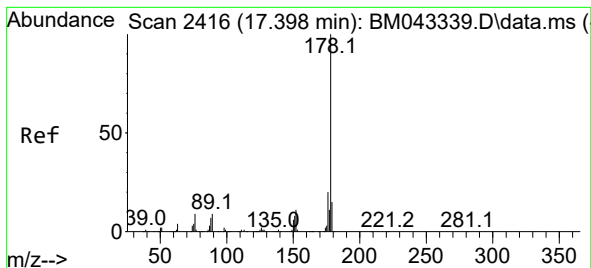
Tgt Ion:168 Resp: 119128
Ion Ratio Lower Upper
168 100
139 38.5 28.6 43.0



#61
Fluorene
Concen: 2.624 ng/ul
RT: 15.663 min Scan# 2121
Delta R.T. -0.006 min
Lab File: BM043344.D
Acq: 14 Dec 2023 20:08

Tgt Ion:166 Resp: 161740
Ion Ratio Lower Upper
166 100
165 99.9 77.5 116.3
167 13.4 10.7 16.1





#72

Phenanthrene

Concen: 7.177 ng/ul

RT: 17.398 min Scan# 2416

Delta R.T. -0.012 min

Lab File: BM043344.D

Acq: 14 Dec 2023 20:08

Instrument :

BNA_P

ClientSampleId :

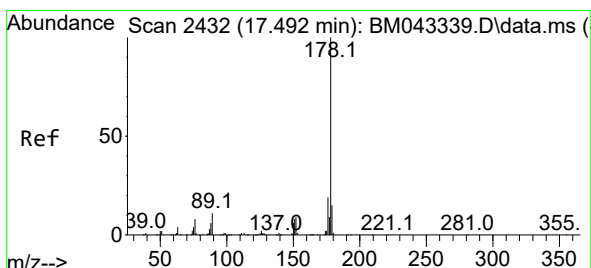
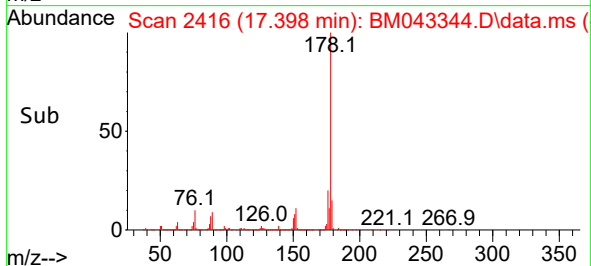
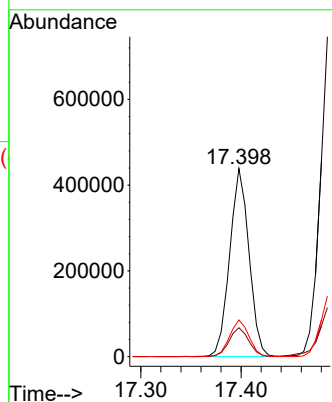
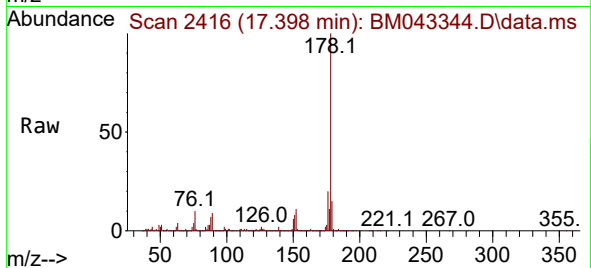
Tgt Ion:178 Resp: 586130

Ion Ratio Lower Upper

178 100

179 15.4 12.2 18.2

176 19.6 15.7 23.5



#74

Anthracene

Concen: 13.862 ng/ul

RT: 17.492 min Scan# 2432

Delta R.T. -0.006 min

Lab File: BM043344.D

Acq: 14 Dec 2023 20:08

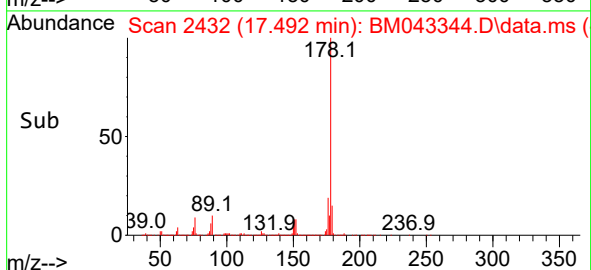
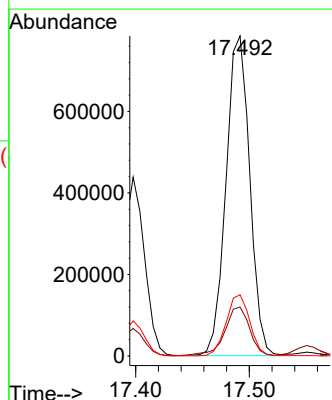
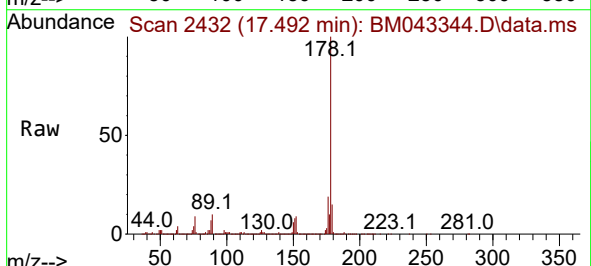
Tgt Ion:178 Resp: 1140355

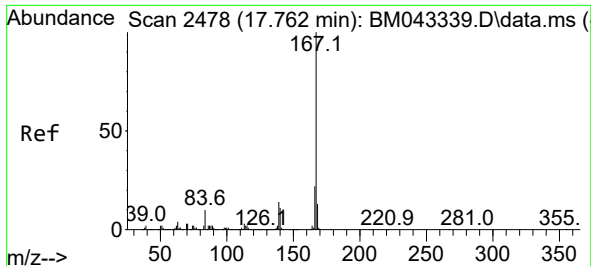
Ion Ratio Lower Upper

178 100

179 15.3 12.1 18.1

176 19.2 15.1 22.7

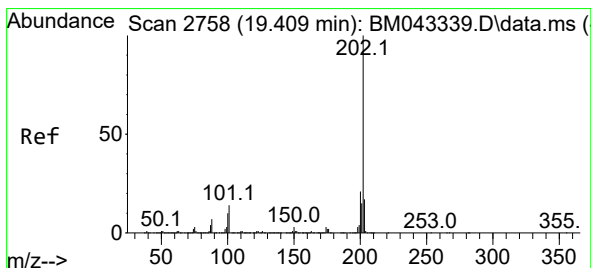
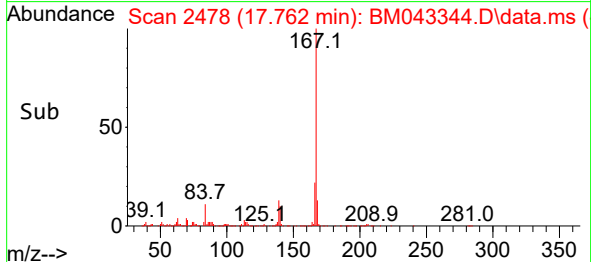
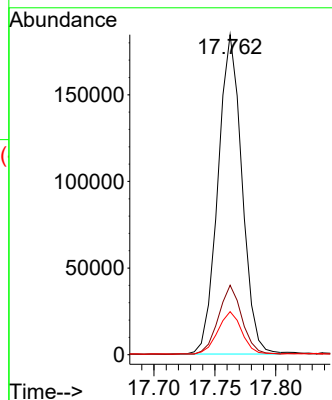
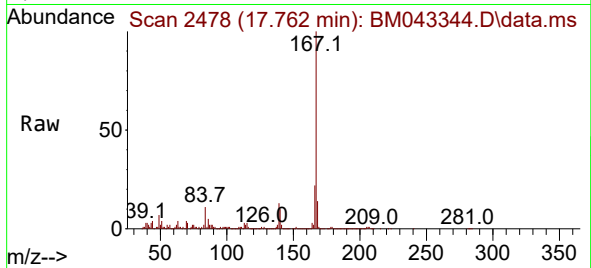




#77
 Carbazole
 Concen: 3.745 ng/ul
 RT: 17.762 min Scan# 2478
 Delta R.T. -0.012 min
 Lab File: BM043344.D
 Acq: 14 Dec 2023 20:08

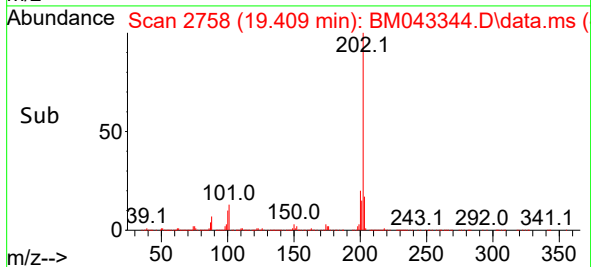
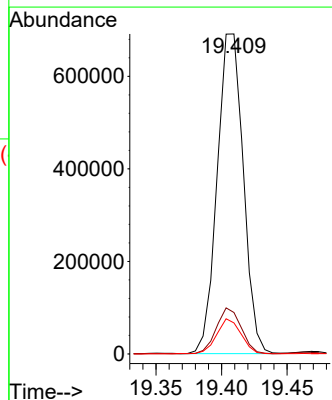
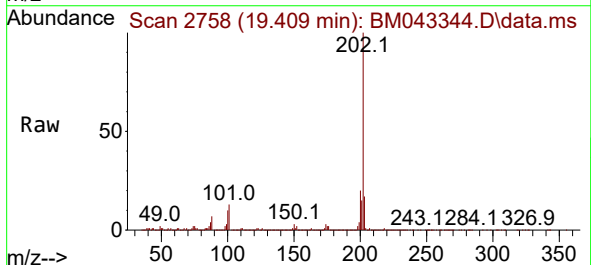
Instrument :
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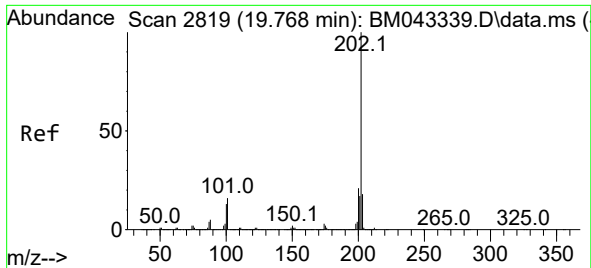
Tgt Ion:167 Resp: 253050
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.1 25.7
 139 13.5 9.9 14.9



#80
 Fluoranthene
 Concen: 12.576 ng/ul
 RT: 19.409 min Scan# 2758
 Delta R.T. -0.006 min
 Lab File: BM043344.D
 Acq: 14 Dec 2023 20:08

Tgt Ion:202 Resp: 957746
 Ion Ratio Lower Upper
 202 100
 101 13.0 8.2 12.2#
 100 9.7 6.1 9.1#

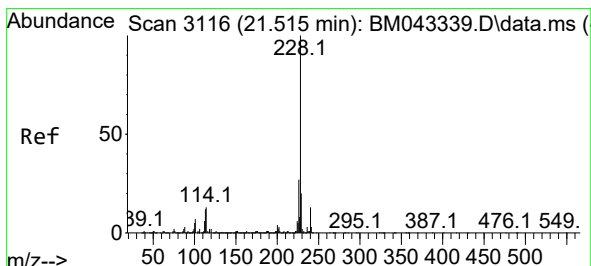
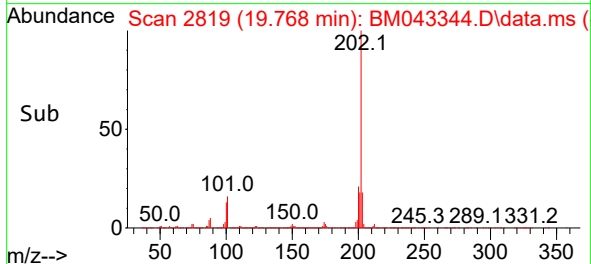
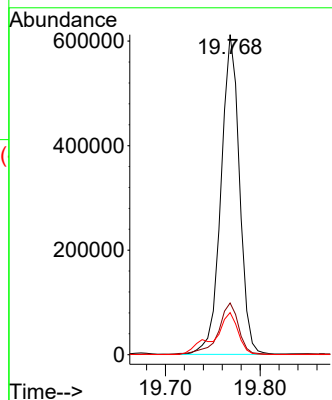
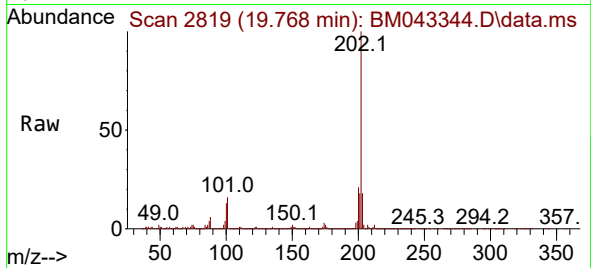




#82
 Pyrene
 Concen: 10.499 ng/ul
 RT: 19.768 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM043344.D
 Acq: 14 Dec 2023 20:08

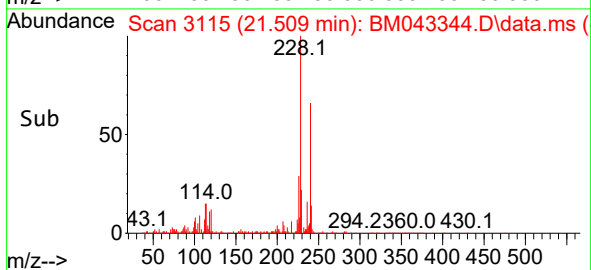
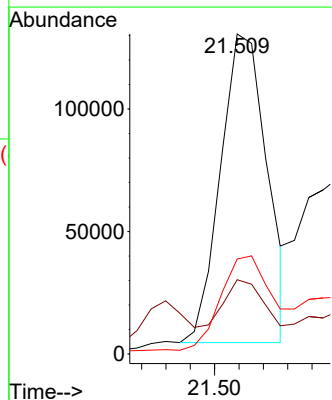
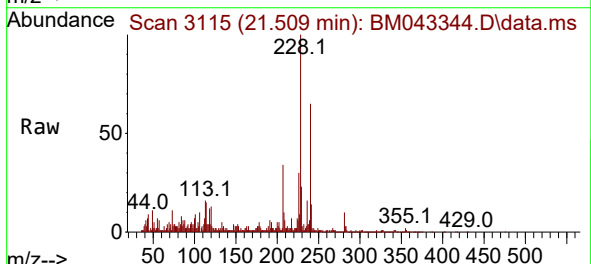
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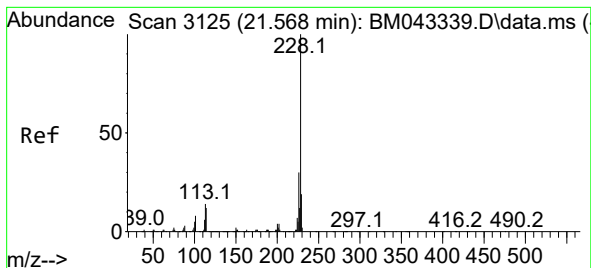
Tgt Ion:202 Resp: 831684
 Ion Ratio Lower Upper
 202 100
 101 16.2 10.2 15.2#
 100 13.1 8.2 12.2#



#85
 Benzo(a)anthracene
 Concen: 2.111 ng/ul
 RT: 21.509 min Scan# 3115
 Delta R.T. -0.012 min
 Lab File: BM043344.D
 Acq: 14 Dec 2023 20:08

Tgt Ion:228 Resp: 167929
 Ion Ratio Lower Upper
 228 100
 229 23.2 15.8 23.8
 226 29.6 22.2 33.4





#87

Chrysene

Concen: 2.823 ng/ul

RT: 21.562 min Scan# 31

Delta R.T. -0.012 min

Lab File: BM043344.D

Acq: 14 Dec 2023 20:08

Instrument :

BNA_P

ClientSampleId :

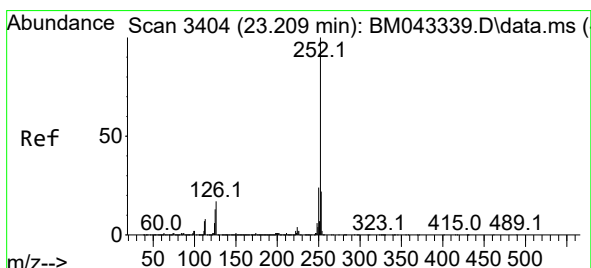
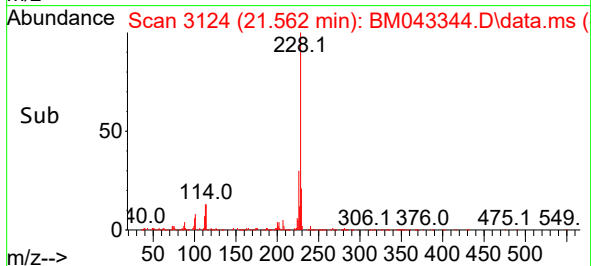
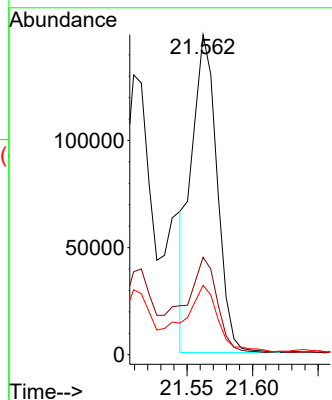
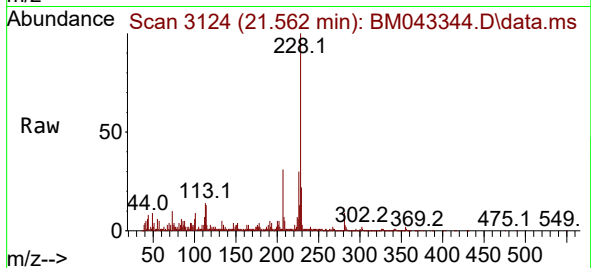
Tgt Ion:228 Resp: 200592

Ion Ratio Lower Upper

228 100

226 30.4 24.8 37.2

229 21.7 16.2 24.2



#90

Benzo(b)fluoranthene

Concen: 4.731 ng/ul

RT: 23.203 min Scan# 3403

Delta R.T. -0.012 min

Lab File: BM043344.D

Acq: 14 Dec 2023 20:08

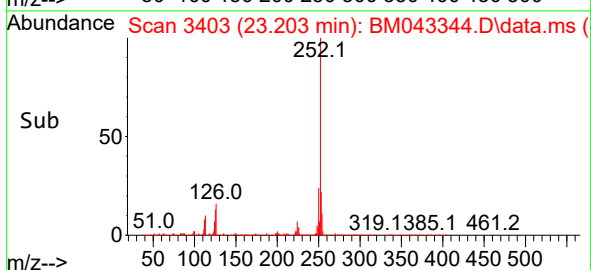
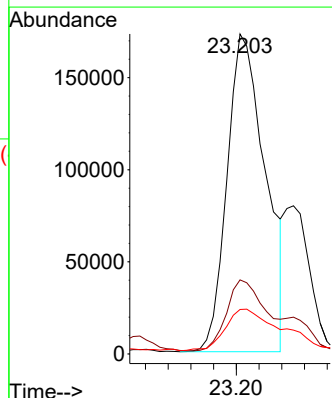
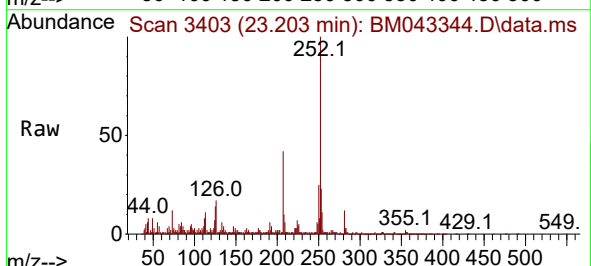
Tgt Ion:252 Resp: 405179

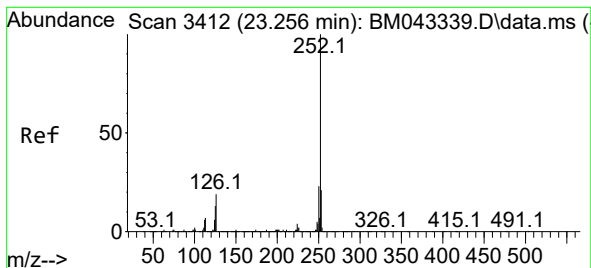
Ion Ratio Lower Upper

252 100

253 23.2 17.4 26.2

125 13.9 7.2 10.8#





#91

Benzo(k)fluoranthene

Concen: 4.750 ng/ul

RT: 23.203 min Scan# 3412

Delta R.T. -0.065 min

Lab File: BM043344.D

Acq: 14 Dec 2023 20:08

Instrument :

BNA_P

ClientSampleId :

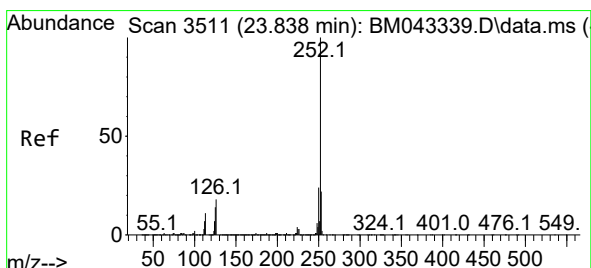
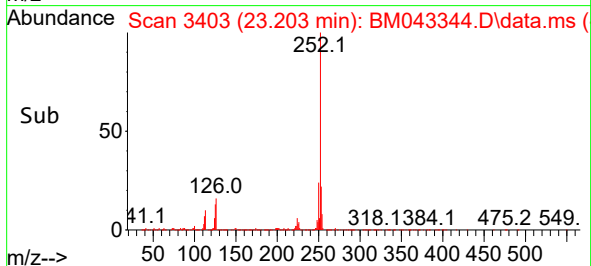
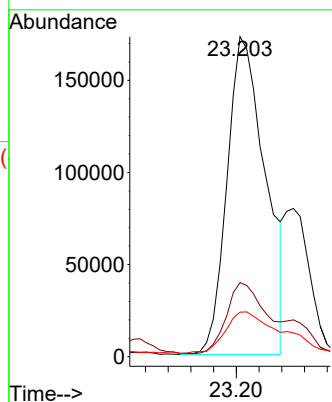
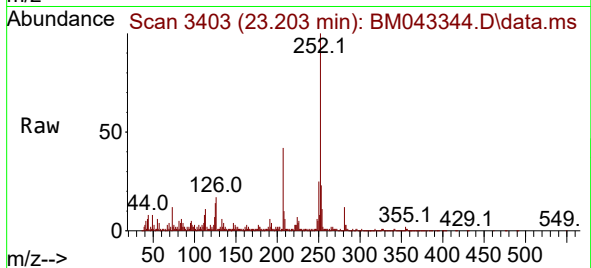
Tgt Ion:252 Resp: 405179

Ion Ratio Lower Upper

252 100

253 23.2 17.9 26.9

125 13.9 7.7 11.5#



#93

Benzo(a)pyrene

Concen: 2.672 ng/ul

RT: 23.839 min Scan# 3511

Delta R.T. -0.006 min

Lab File: BM043344.D

Acq: 14 Dec 2023 20:08

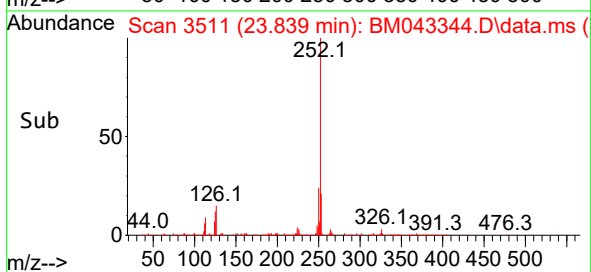
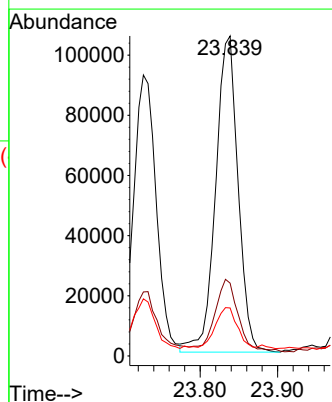
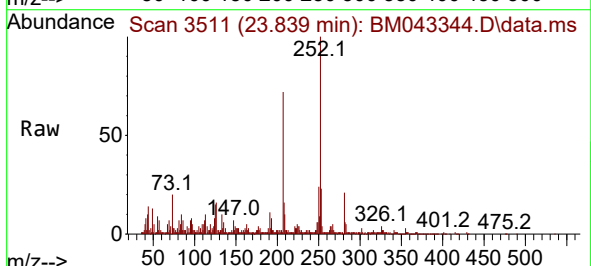
Tgt Ion:252 Resp: 211503

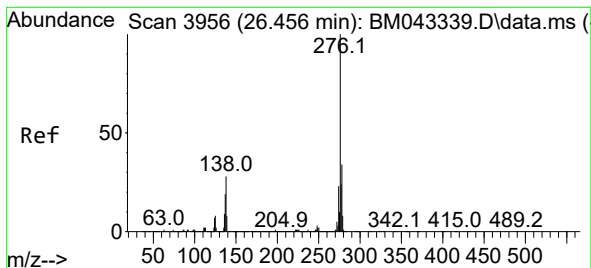
Ion Ratio Lower Upper

252 100

253 22.8 17.8 26.6

125 15.0 8.4 12.6#





#94

Indeno(1,2,3-cd)pyrene

Concen: 1.437 ng/ul

RT: 26.450 min Scan# 3955

Delta R.T. -0.024 min

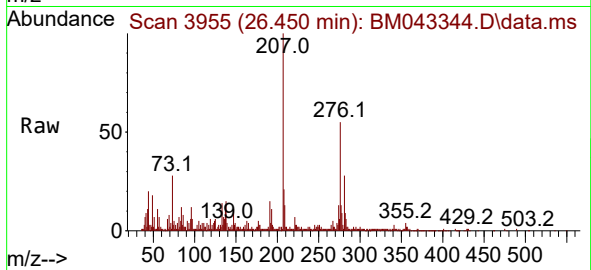
Lab File: BM043344.D

Acq: 14 Dec 2023 20:08

Instrument :

BNA_P

ClientSampleId :



Tgt Ion:276 Resp: 129588

Ion Ratio Lower Upper

276 100

138 26.8 16.9 25.3#

277 23.2 19.5 29.3

