

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121323\
 Data File : BM043335.D
 Acq On : 14 Dec 2023 12:02
 Operator : MA/JU
 Sample : 05690-06DL 5X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

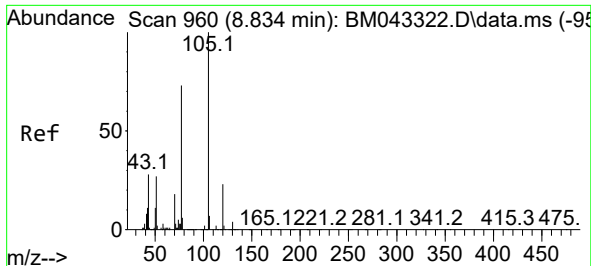
Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Dec 14 22:57:00 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	382078	20.000	ng/ul	0.00
20) Naphthalene-d8	10.804	136	1821370	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.621	164	1068794	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.362	188	2037770	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.533	240	1452650	20.000	ng/ul	# 0.00
88) Perylene-d12	23.950	264	1350204	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.399	96	7098	0.729	ng/uL	0.00
4) Pyridine-d5	3.834	84	41374	1.432	ng/ul	0.02
7) Phenol-d5	7.157	99	143792	3.791	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.334	67	92663	3.946	ng/ul	0.00
11) 2-Chlorophenol-d4	7.522	132	108766	3.761	ng/ul	0.00
15) 4-Methylphenol-d8	8.704	113	105946	3.530	ng/ul	0.00
21) Nitrobenzene-d5	9.169	128	51420	3.312	ng/ul	0.00
24) 2-Nitrophenol-d4	9.886	143	49516	3.308	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.422	165	105219	3.153	ng/ul	0.00
31) 4-Chloroaniline-d4	10.951	131	59661	1.243	ng/ul	0.00
46) Dimethylphthalate-d6	14.039	166	346795	3.702	ng/ul	0.00
49) Acenaphthylene-d8	14.316	160	389800	3.596	ng/ul	0.00
54) 4-Nitrophenol-d4	14.816	143	38265	2.279	ng/ul	0.00
60) Fluorene-d10	15.610	176	307092	3.760	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.733	200	11315	1.009	ng/ul	0.00
73) Anthracene-d10	17.462	188	439273	3.985	ng/ul	0.00
81) Pyrene-d10	19.745	212	463476	4.986	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.791	264	324129	4.114	ng/ul	0.00
Target Compounds						
					Qvalue	
16) Acetophenone	8.828	105	216231	4.483	ng/ul	99
52) Acenaphthene	14.686	153	186171	2.304	ng/ul	98
56) Dibenzofuran	15.021	168	120113	1.088	ng/ul	95
61) Fluorene	15.668	166	174355	1.825	ng/ul	98
72) Phenanthrene	17.404	178	1082166	8.516	ng/ul	99
74) Anthracene	17.498	178	279321	2.182	ng/ul	99
80) Fluoranthene	19.415	202	1868004	17.520	ng/ul#	93
82) Pyrene	19.774	202	1595896	14.389	ng/ul#	91
85) Benzo(a)anthracene	21.515	228	575006	5.163	ng/ul	98
87) Chrysene	21.568	228	597655	6.008	ng/ul	98
90) Benzo(b)fluoranthene	23.215	252	698211	7.248	ng/ul#	96
91) Benzo(k)fluoranthene	23.215	252	698211	7.277	ng/ul#	97
93) Benzo(a)pyrene	23.844	252	362465	4.071	ng/ul#	95
94) Indeno(1,2,3-cd)pyrene	26.468	276	230585	2.273	ng/ul	96
96) Benzo(g,h,i)perylene	27.232	276	159525	2.088	ng/ul#	93

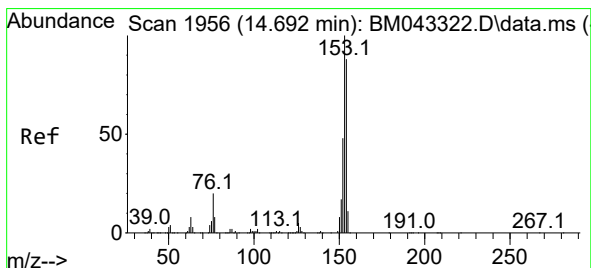
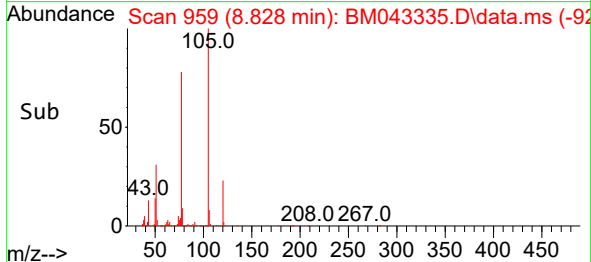
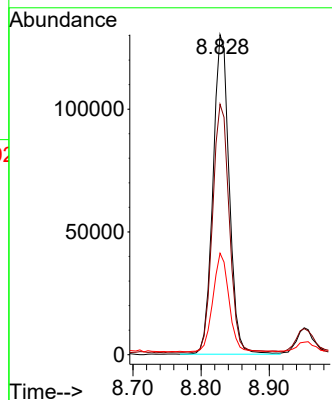
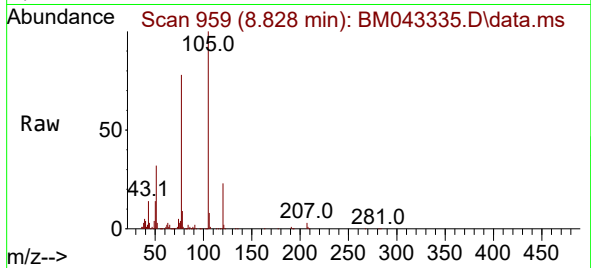
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#16
Acetophenone
Concen: 4.483 ng/ul
RT: 8.828 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM043335.D
Acq: 14 Dec 2023 12:02

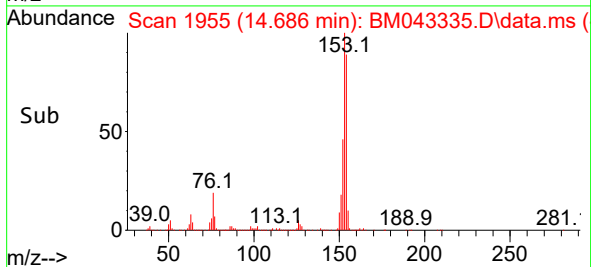
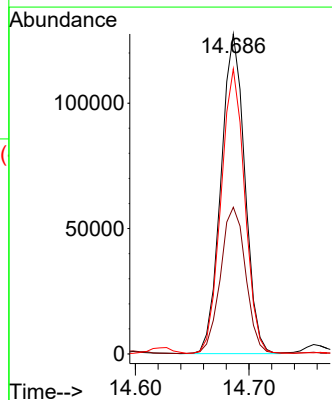
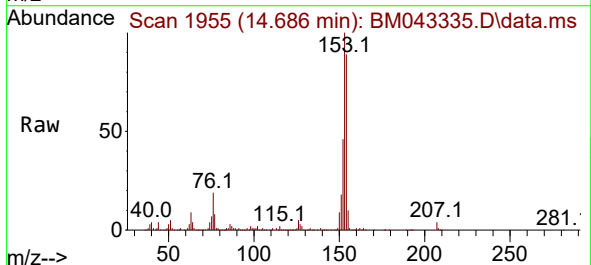
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BNA_P
ClientSampleId :

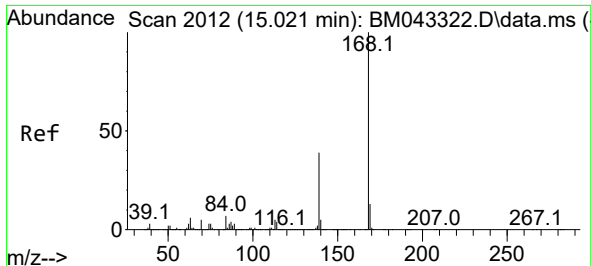
Tgt Ion:105 Resp: 216231
Ion Ratio Lower Upper
105 100
77 78.2 62.7 94.1
51 31.7 23.8 35.8



#52
Acenaphthene
Concen: 2.304 ng/ul
RT: 14.686 min Scan# 1955
Delta R.T. -0.000 min
Lab File: BM043335.D
Acq: 14 Dec 2023 12:02

Tgt Ion:153 Resp: 186171
Ion Ratio Lower Upper
153 100
152 45.9 38.6 58.0
154 89.1 71.6 107.4

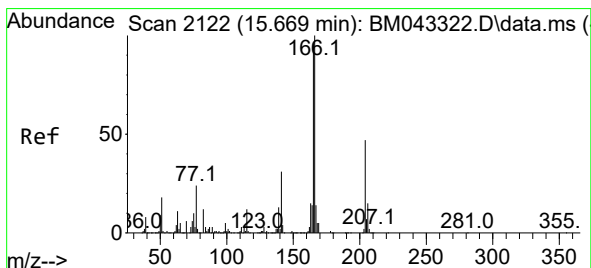
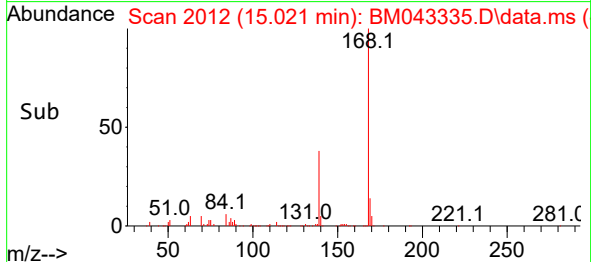
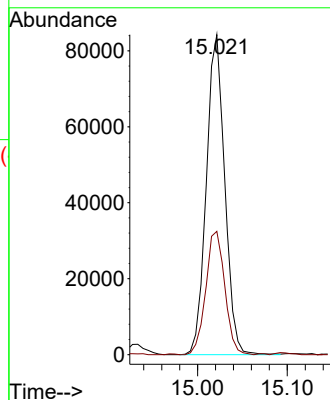
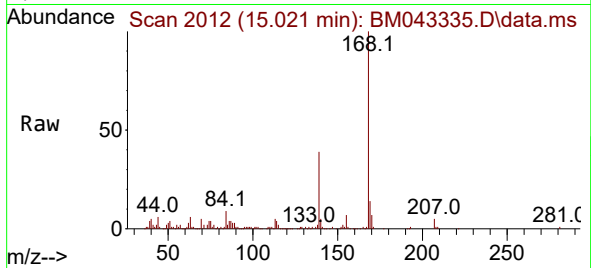




#56
Dibenzenofuran
Concen: 1.088 ng/ul
RT: 15.021 min Scan# 2012
Delta R.T. -0.000 min
Lab File: BM043335.D
Acq: 14 Dec 2023 12:02

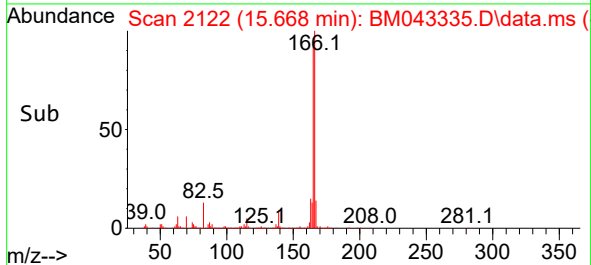
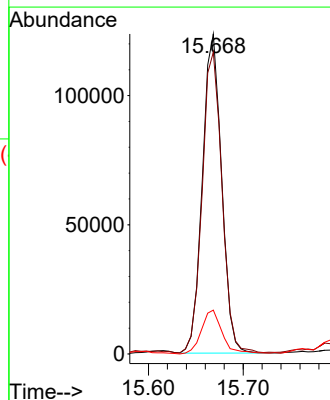
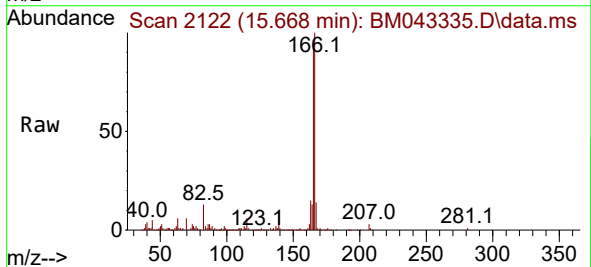
Instrument :
BNA_P
ClientSampleId :

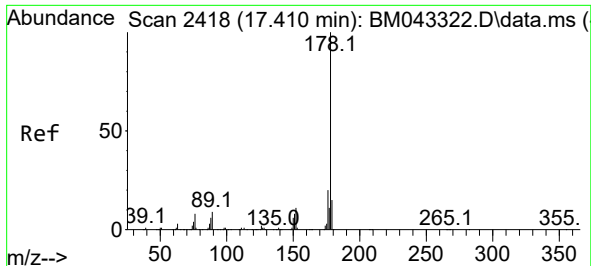
Tgt Ion:168 Resp: 120113
Ion Ratio Lower Upper
168 100
139 38.6 28.6 43.0



#61
Fluorene
Concen: 1.825 ng/ul
RT: 15.668 min Scan# 2122
Delta R.T. -0.000 min
Lab File: BM043335.D
Acq: 14 Dec 2023 12:02

Tgt Ion:166 Resp: 174355
Ion Ratio Lower Upper
166 100
165 94.3 77.5 116.3
167 13.7 10.7 16.1

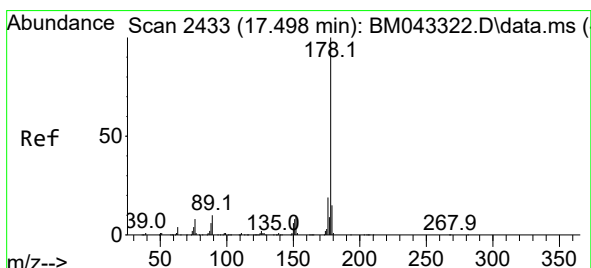
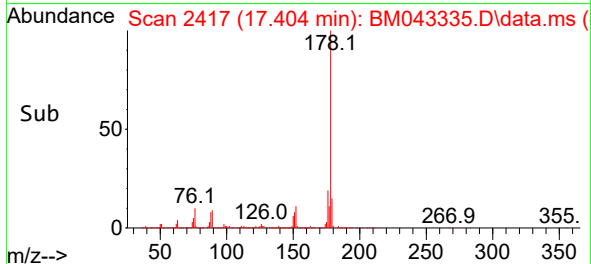
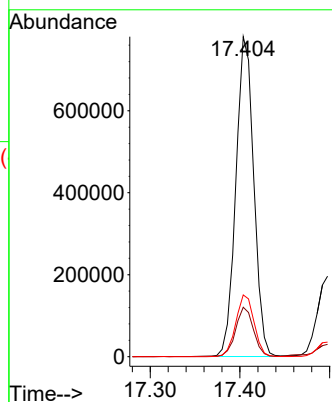
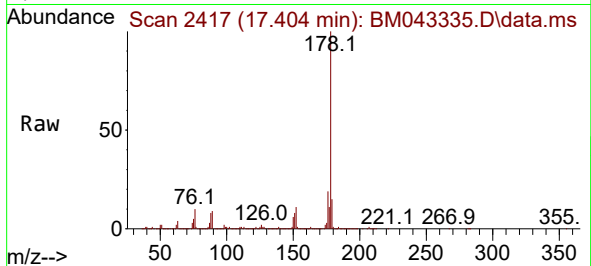




#72
Phenanthrene
Concen: 8.516 ng/ul
RT: 17.404 min Scan# 2418
Delta R.T. -0.006 min
Lab File: BM043335.D
Acq: 14 Dec 2023 12:02

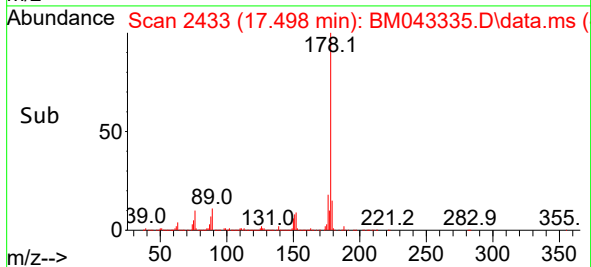
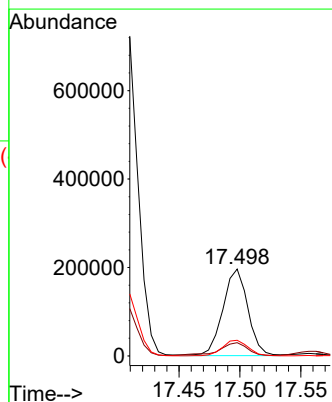
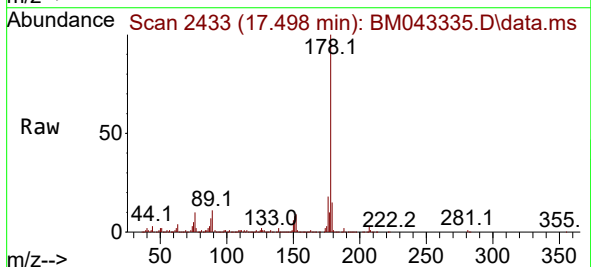
Instrument :
BNA_P
ClientSampleId :

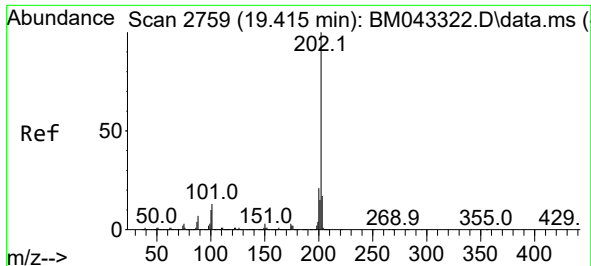
Tgt Ion:178 Resp: 1082166
Ion Ratio Lower Upper
178 100
179 15.4 12.2 18.2
176 19.3 15.7 23.5



#74
Anthracene
Concen: 2.182 ng/ul
RT: 17.498 min Scan# 2433
Delta R.T. -0.000 min
Lab File: BM043335.D
Acq: 14 Dec 2023 12:02

Tgt Ion:178 Resp: 279321
Ion Ratio Lower Upper
178 100
179 15.3 12.1 18.1
176 18.1 15.1 22.7

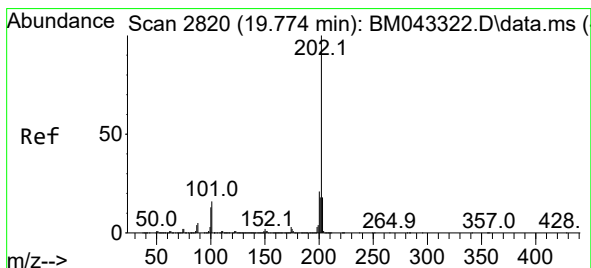
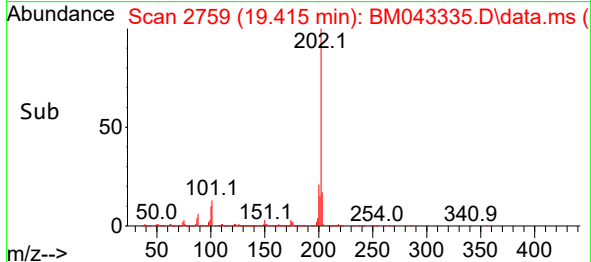
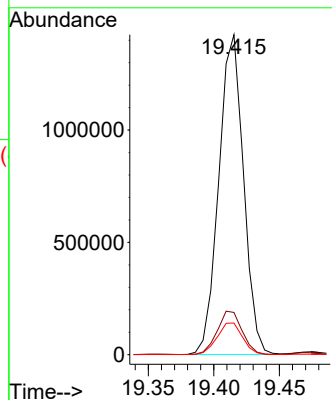
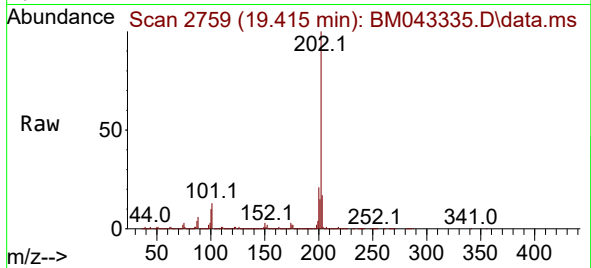




#80
Fluoranthene
Concen: 17.520 ng/ul
RT: 19.415 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM043335.D
Acq: 14 Dec 2023 12:02

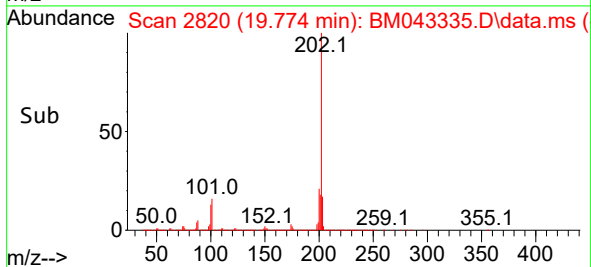
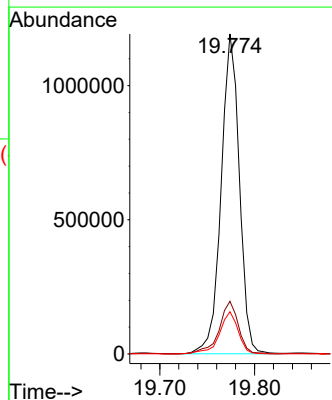
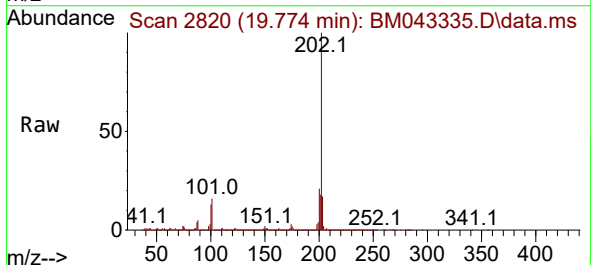
Instrument :
BNA_P
ClientSampleId :

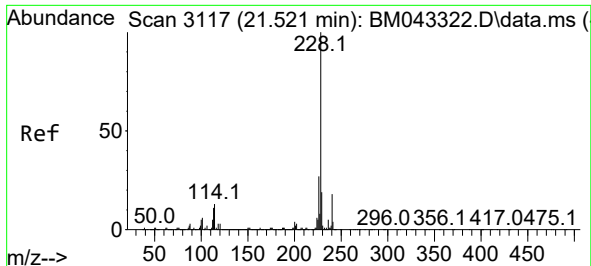
Tgt Ion:202 Resp: 1868004
Ion Ratio Lower Upper
202 100
101 13.2 8.2 12.2#
100 9.9 6.1 9.1#



#82
Pyrene
Concen: 14.389 ng/ul
RT: 19.774 min Scan# 2820
Delta R.T. -0.000 min
Lab File: BM043335.D
Acq: 14 Dec 2023 12:02

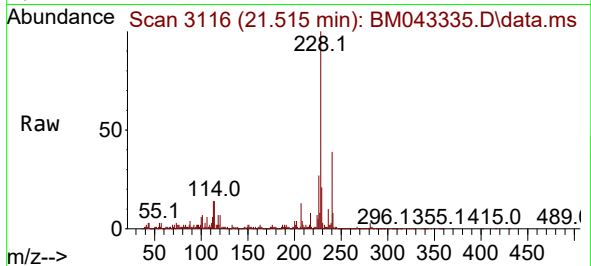
Tgt Ion:202 Resp: 1595896
Ion Ratio Lower Upper
202 100
101 16.5 10.2 15.2#
100 13.2 8.2 12.2#



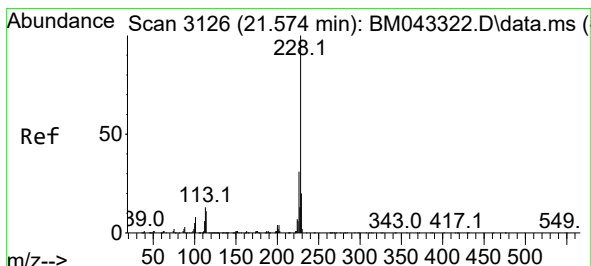
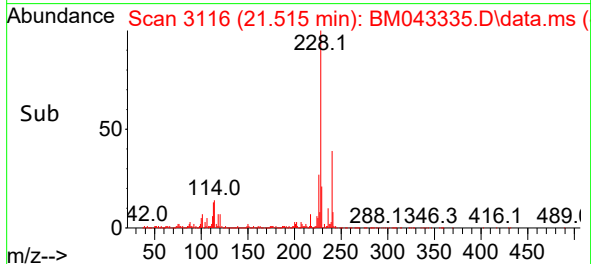
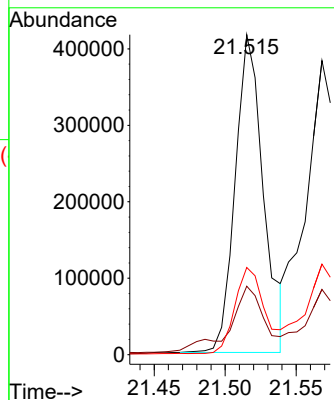


#85
Benzo(a)anthracene
Concen: 5.163 ng/ul
RT: 21.515 min Scan# 3116
Delta R.T. -0.006 min
Lab File: BM043335.D
Acq: 14 Dec 2023 12:02

Instrument :
BNA_P
ClientSampleId :

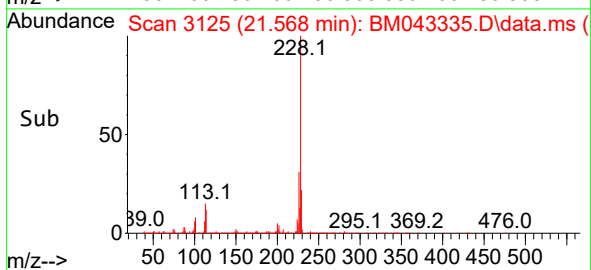
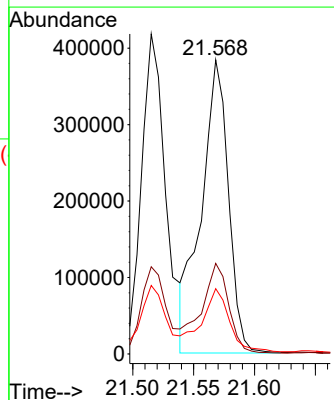
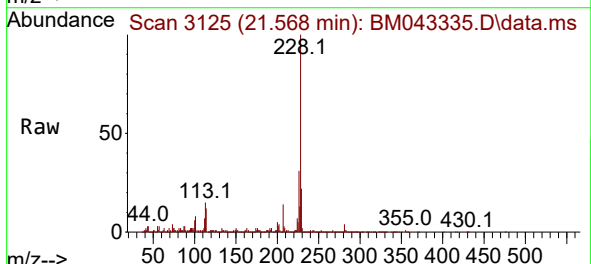


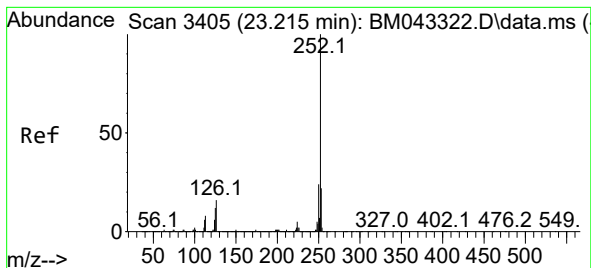
Tgt Ion:228 Resp: 575006
Ion Ratio Lower Upper
228 100
229 21.4 15.8 23.8
226 27.2 22.2 33.4



#87
Chrysene
Concen: 6.008 ng/ul
RT: 21.568 min Scan# 3125
Delta R.T. -0.006 min
Lab File: BM043335.D
Acq: 14 Dec 2023 12:02

Tgt Ion:228 Resp: 597655
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: 7.248 ng/ul

RT: 23.215 min Scan# 3405

Delta R.T. 0.000 min

Lab File: BM043335.D

Acq: 14 Dec 2023 12:02

Instrument :

BNA_P

ClientSampleId :

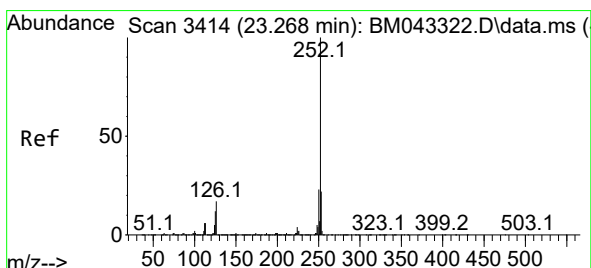
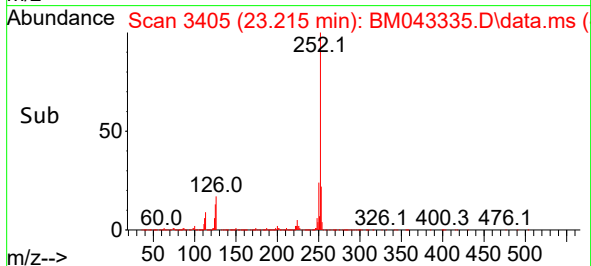
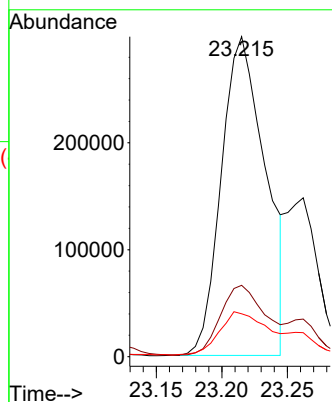
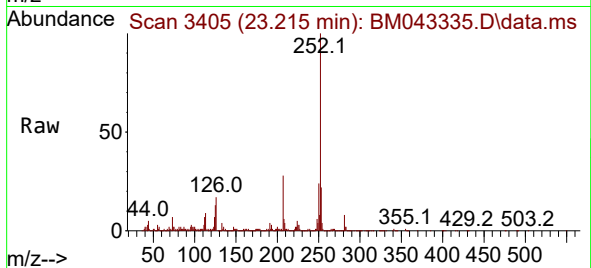
Tgt Ion:252 Resp: 698211

Ion Ratio Lower Upper

252 100

253 22.3 17.4 26.2

125 13.4 7.2 10.8#



#91

Benzo(k)fluoranthene

Concen: 7.277 ng/ul

RT: 23.215 min Scan# 3405

Delta R.T. -0.053 min

Lab File: BM043335.D

Acq: 14 Dec 2023 12:02

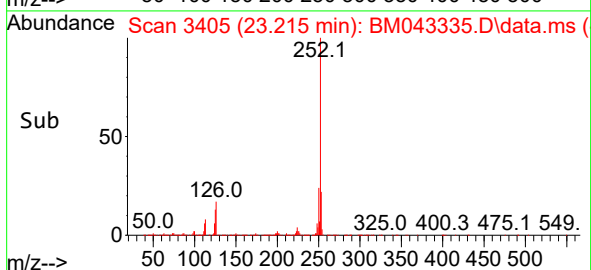
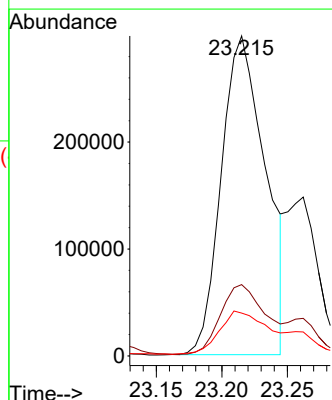
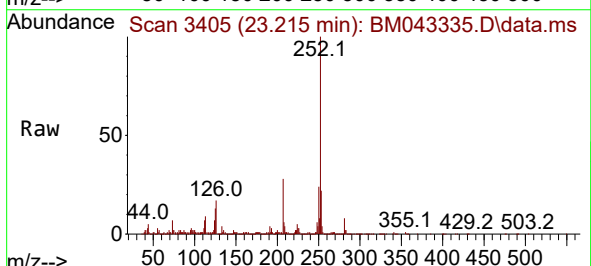
Tgt Ion:252 Resp: 698211

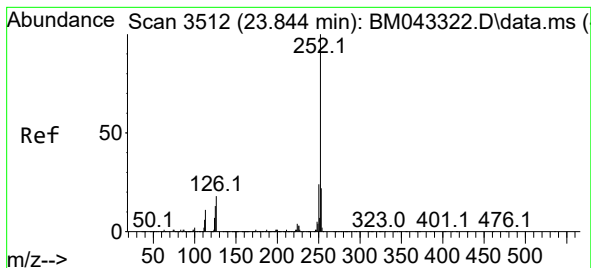
Ion Ratio Lower Upper

252 100

253 22.3 17.9 26.9

125 13.4 7.7 11.5#





#93

Benzo(a)pyrene

Concen: 4.071 ng/ul

RT: 23.844 min Scan# 3

Delta R.T. -0.000 min

Lab File: BM043335.D

Acq: 14 Dec 2023 12:02

Instrument :

BNA_P

ClientSampleId :

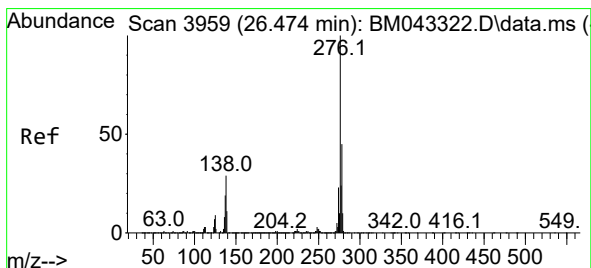
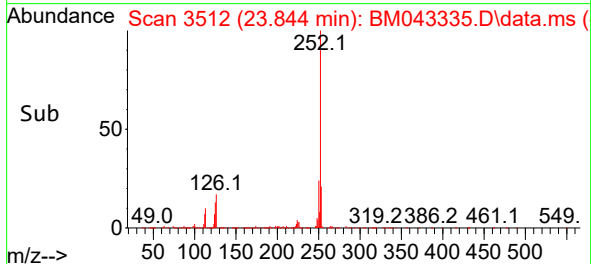
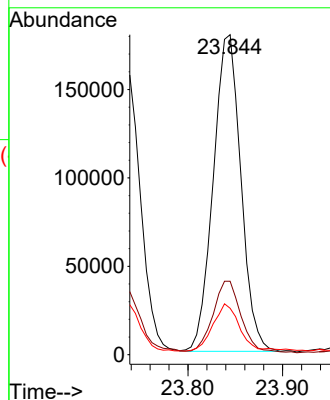
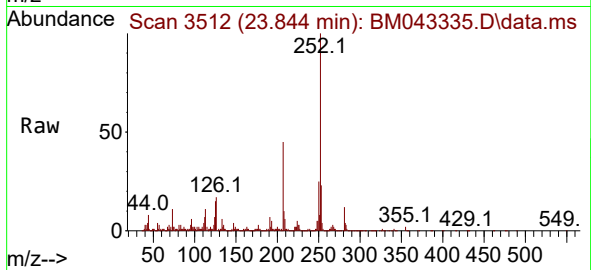
Tgt Ion:252 Resp: 362465

Ion Ratio Lower Upper

252 100

253 23.0 17.8 26.6

125 14.5 8.4 12.6#



#94

Indeno(1,2,3-cd)pyrene

Concen: 2.273 ng/ul

RT: 26.468 min Scan# 3958

Delta R.T. -0.006 min

Lab File: BM043335.D

Acq: 14 Dec 2023 12:02

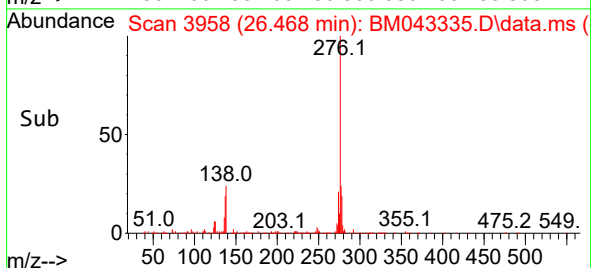
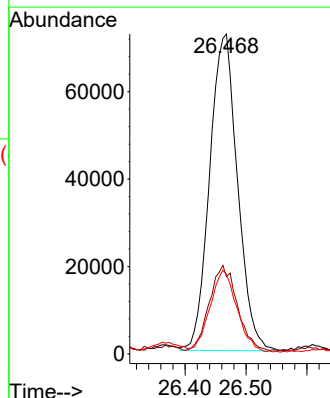
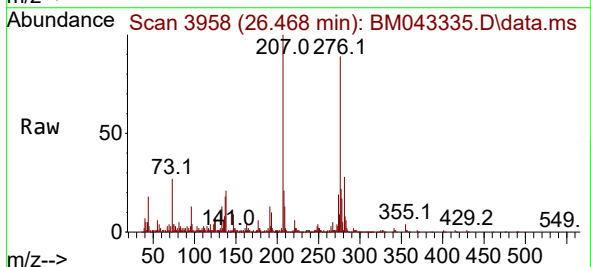
Tgt Ion:276 Resp: 230585

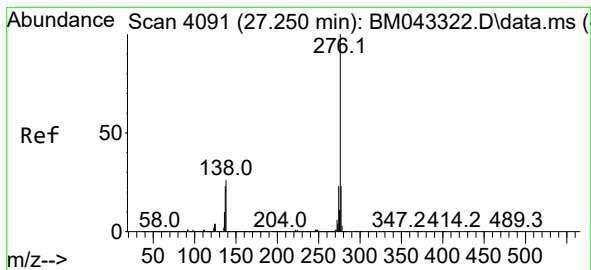
Ion Ratio Lower Upper

276 100

138 24.1 16.9 25.3

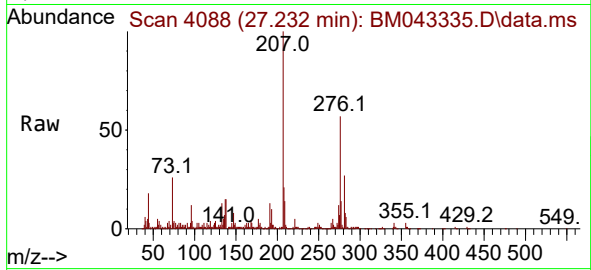
277 24.9 19.5 29.3





#96
 Benzo(g,h,i)perylene
 Concen: 2.088 ng/ul
 RT: 27.232 min Scan# 4091
 Delta R.T. -0.012 min
 Lab File: BM043335.D
 Acq: 14 Dec 2023 12:02

Instrument :
 BNA_P
 ClientSampleId :



Tgt Ion: 276 Resp: 159525
 Ion Ratio Lower Upper
 276 100
 138 26.3 16.2 24.2#
 277 24.0 18.7 28.1

