

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121323\
 Data File : BM043334.D
 Acq On : 14 Dec 2023 11:26
 Operator : MA/JU
 Sample : 05690-05DL 10X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Dec 14 22:56:45 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

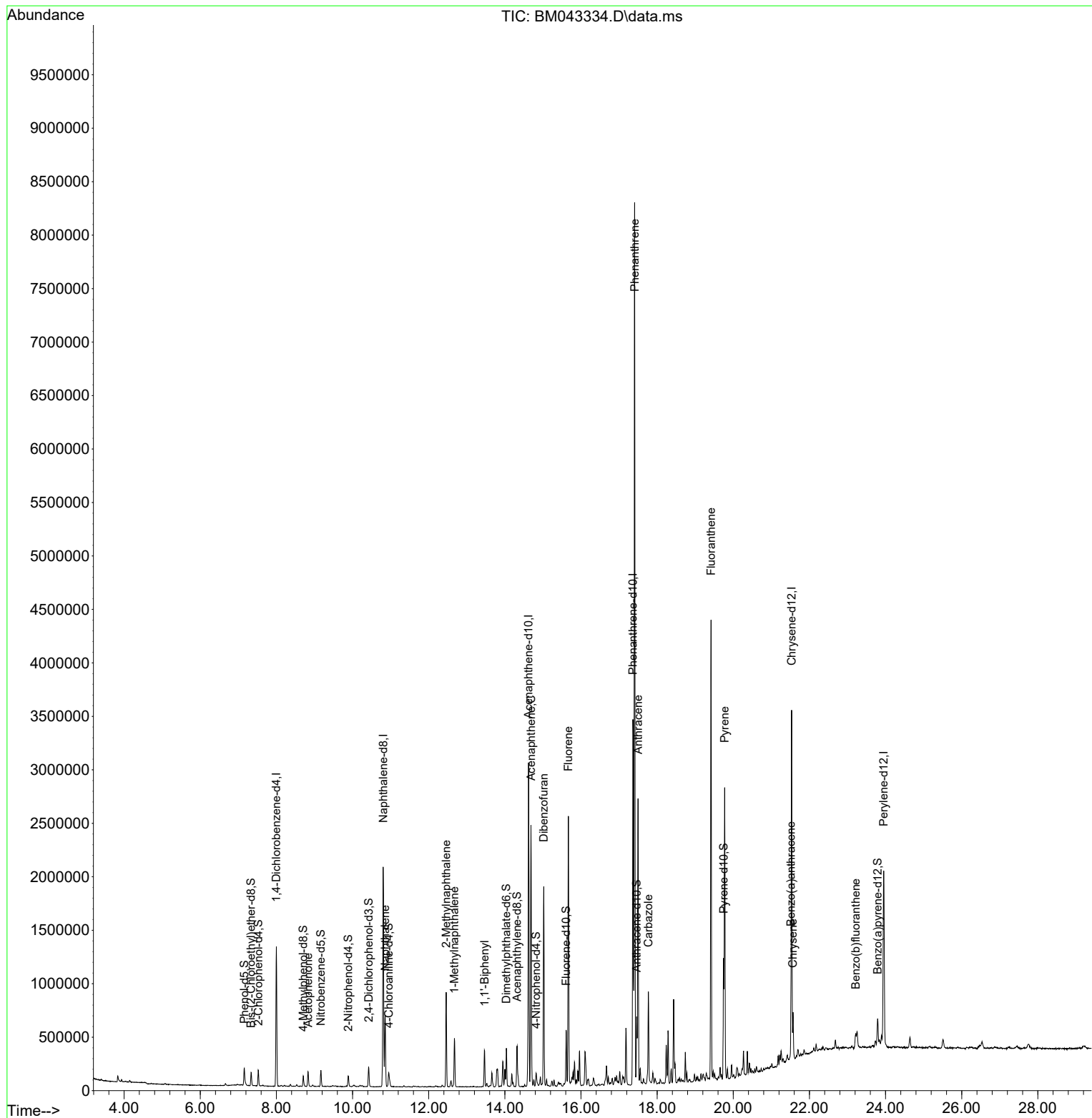
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.998	152	337882	20.000	ng/ul	0.00
20) Naphthalene-d8	10.804	136	1634317	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.621	164	976046	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.363	188	1902321	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.533	240	1289431	20.000	ng/ul	# 0.00
88) Perylene-d12	23.950	264	1211115	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.399	96	3125	0.363	ng/uL	0.00
4) Pyridine-d5	3.805	84	714	0.028	ng/ul	-0.01
7) Phenol-d5	7.157	99	86582	2.581	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.334	67	60044	2.892	ng/ul	0.00
11) 2-Chlorophenol-d4	7.528	132	67296	2.632	ng/ul	0.00
15) 4-Methylphenol-d8	8.704	113	37302	1.406	ng/ul	0.00
21) Nitrobenzene-d5	9.169	128	33742	2.422	ng/ul	0.00
24) 2-Nitrophenol-d4	9.887	143	30194	2.248	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.422	165	61212	2.044	ng/ul	0.00
31) 4-Chloroaniline-d4	10.951	131	71785	1.666	ng/ul	0.00
46) Dimethylphthalate-d6	14.039	166	215017	2.513	ng/ul	0.00
49) Acenaphthylene-d8	14.322	160	239908	2.424	ng/ul	0.00
54) 4-Nitrophenol-d4	14.821	143	19692	1.284	ng/ul	0.00
60) Fluorene-d10	15.610	176	189107	2.536	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.733	200	4754	0.454	ng/ul	0.00
73) Anthracene-d10	17.462	188	263611	2.561	ng/ul	0.00
81) Pyrene-d10	19.745	212	276463	3.351	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.791	264	188124	2.662	ng/ul	0.00
Target Compounds						
					Qvalue	
16) Acetophenone	8.834	105	73449	1.722	ng/ul	99
30) Naphthalene	10.857	128	540975	5.393	ng/ul	99
36) 2-Methylnaphthalene	12.457	142	404663	5.607	ng/ul	99
37) 1-Methylnaphthalene	12.675	142	207505	2.833	ng/ul	97
43) 1,1'-Biphenyl	13.469	154	173393	2.008	ng/ul	99
52) Acenaphthene	14.686	153	936229	12.687	ng/ul	99
56) Dibenzofuran	15.021	168	1084868	10.762	ng/ul	93
61) Fluorene	15.668	166	1048891	12.020	ng/ul	100
72) Phenanthrene	17.410	178	4658280	39.269	ng/ul	100
74) Anthracene	17.498	178	1563929	13.088	ng/ul	100
77) Carbazole	17.768	167	493669	5.029	ng/ul	99
80) Fluoranthene	19.415	202	2360745	24.944	ng/ul#	92
82) Pyrene	19.774	202	1522423	15.464	ng/ul#	93
85) Benzo(a)anthracene	21.515	228	253615	2.565	ng/ul	100
87) Chrysene	21.568	228	229745	2.602	ng/ul	99
90) Benzo(b)fluoranthene	23.215	252	114913	1.330	ng/ul#	91

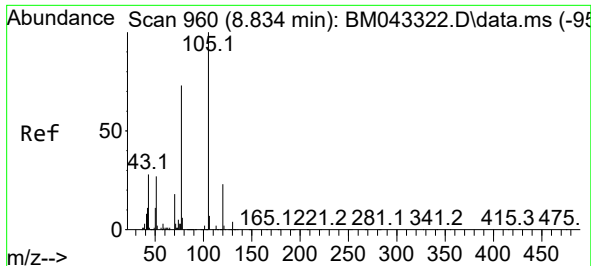
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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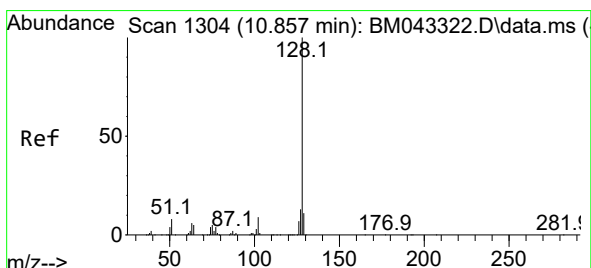
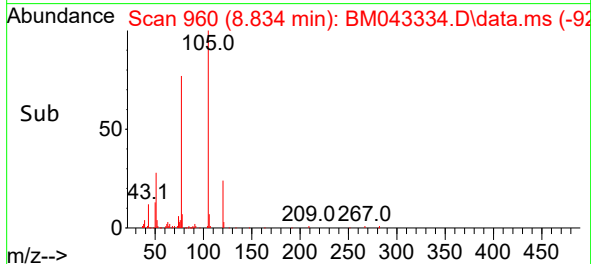
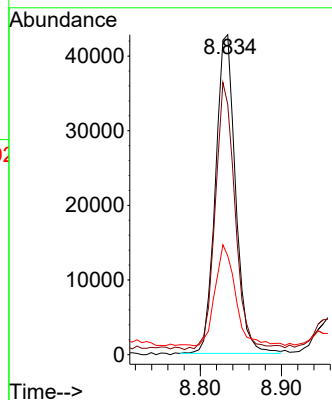
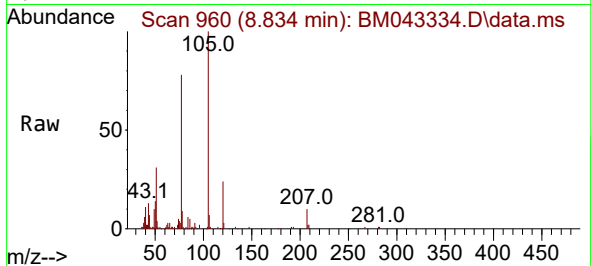




#16
Acetophenone
Concen: 1.722 ng/ul
RT: 8.834 min Scan# 960
Delta R.T. 0.000 min
Lab File: BM043334.D
Acq: 14 Dec 2023 11:26

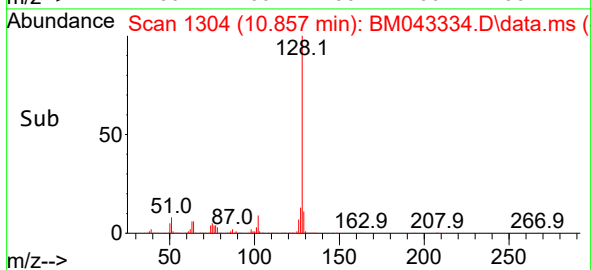
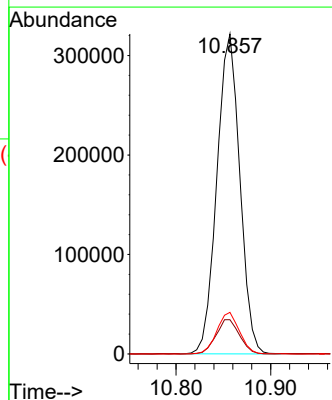
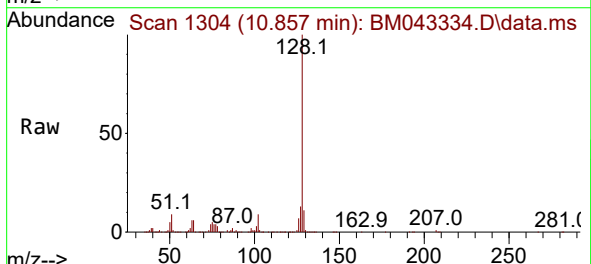
Instrument :
BNA_P
ClientSampleId :

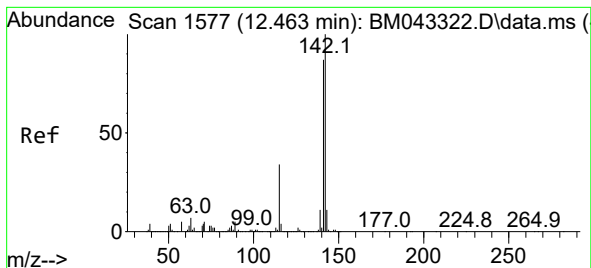
Tgt Ion:105 Resp: 73449
Ion Ratio Lower Upper
105 100
77 78.3 62.7 94.1
51 30.9 23.8 35.8



#30
Naphthalene
Concen: 5.393 ng/ul
RT: 10.857 min Scan# 1304
Delta R.T. 0.000 min
Lab File: BM043334.D
Acq: 14 Dec 2023 11:26

Tgt Ion:128 Resp: 540975
Ion Ratio Lower Upper
128 100
129 10.7 9.0 13.4
127 13.0 10.4 15.6





#36

2-Methylnaphthalene

Concen: 5.607 ng/ul

RT: 12.457 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM043334.D

Acq: 14 Dec 2023 11:26

Instrument :

BNA_P

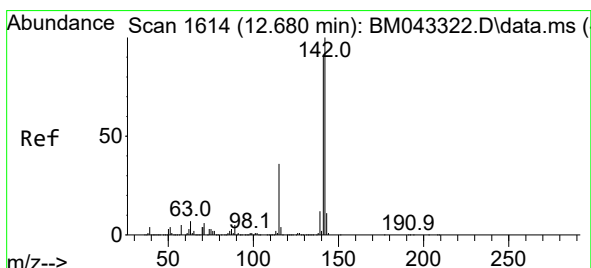
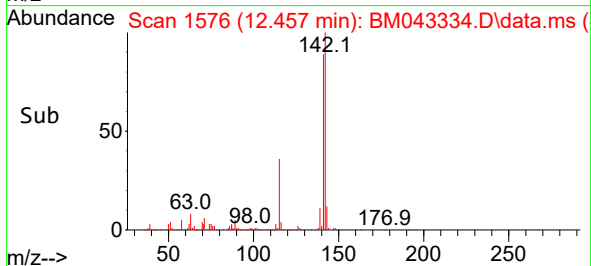
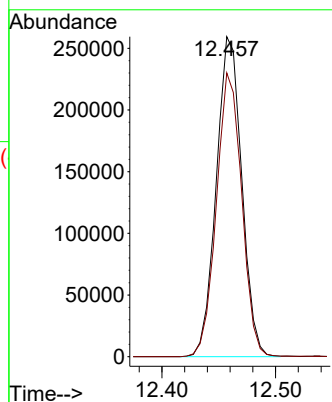
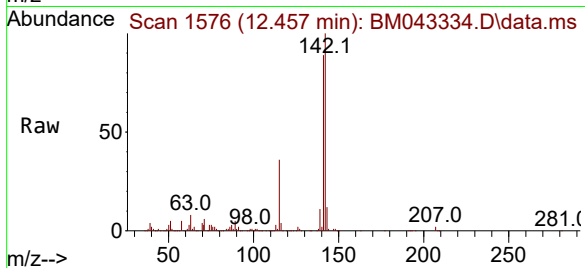
ClientSampleId :

Tgt Ion:142 Resp: 404663

Ion Ratio Lower Upper

142 100

141 88.7 70.0 105.0



#37

1-Methylnaphthalene

Concen: 2.833 ng/ul

RT: 12.675 min Scan# 1613

Delta R.T. 0.000 min

Lab File: BM043334.D

Acq: 14 Dec 2023 11:26

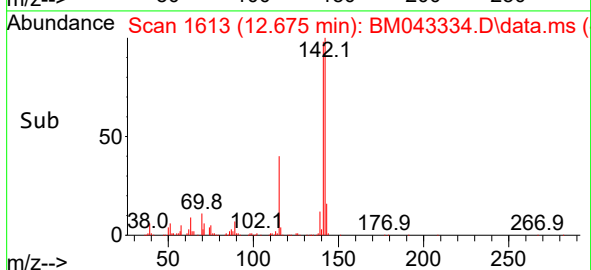
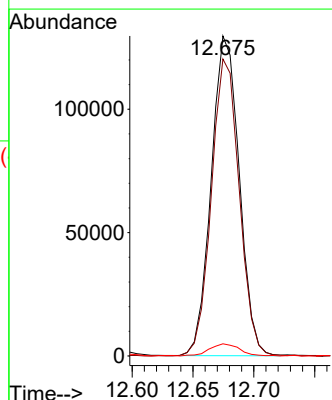
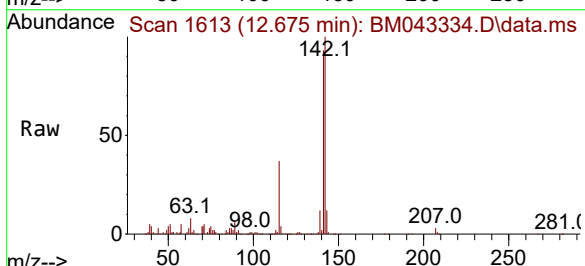
Tgt Ion:142 Resp: 207505

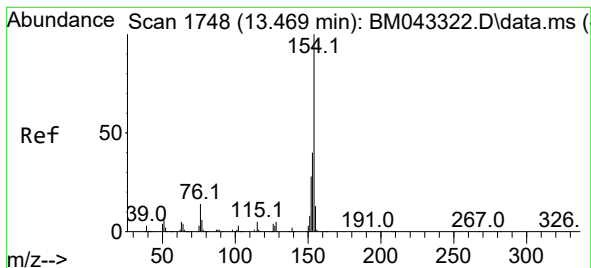
Ion Ratio Lower Upper

142 100

141 92.8 71.9 107.9

116 3.8 2.8 4.2





#43

1,1'-Biphenyl

Concen: 2.008 ng/ul

RT: 13.469 min Scan# 11

Delta R.T. 0.000 min

Lab File: BM043334.D

Acq: 14 Dec 2023 11:26

Instrument :

BNA_P

ClientSampleId :

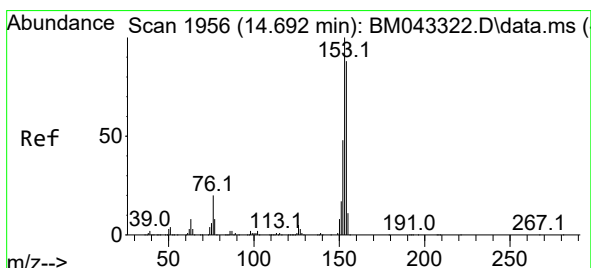
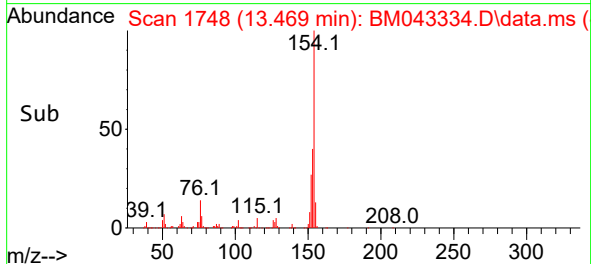
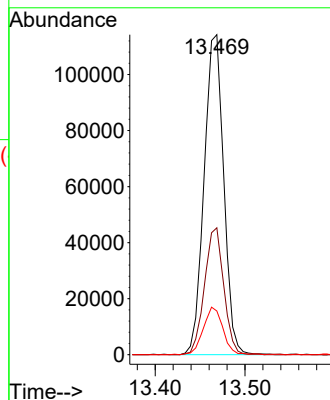
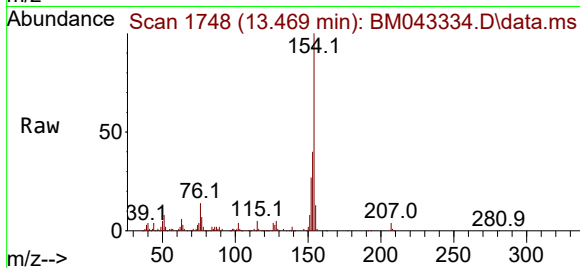
Tgt Ion:154 Resp: 173393

Ion Ratio Lower Upper

154 100

153 39.7 31.8 47.6

76 13.6 9.3 13.9



#52

Acenaphthene

Concen: 12.687 ng/ul

RT: 14.686 min Scan# 1955

Delta R.T. 0.000 min

Lab File: BM043334.D

Acq: 14 Dec 2023 11:26

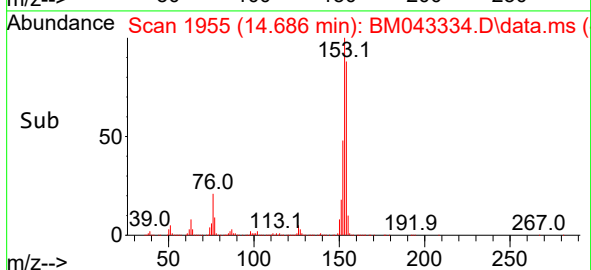
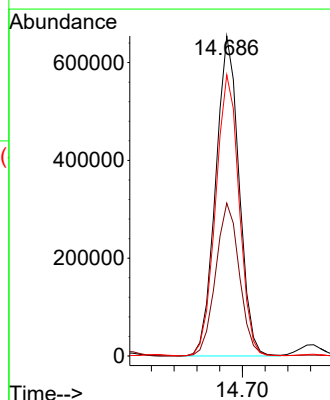
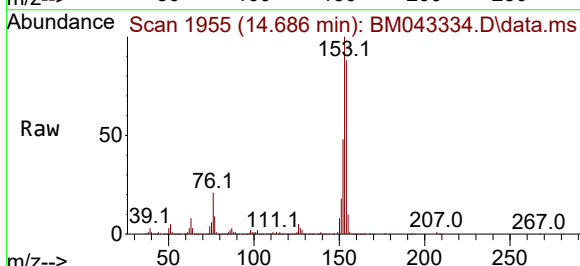
Tgt Ion:153 Resp: 936229

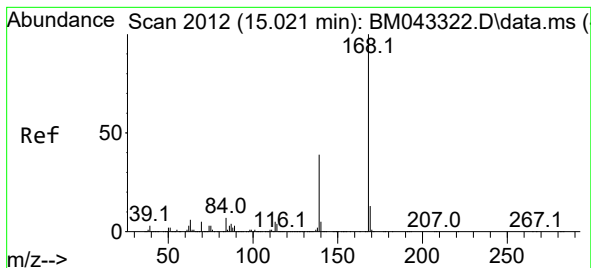
Ion Ratio Lower Upper

153 100

152 47.7 38.6 58.0

154 87.8 71.6 107.4





#56

Dibenzenofuran

Concen: 10.762 ng/ul

RT: 15.021 min Scan# 2012

Delta R.T. 0.000 min

Lab File: BM043334.D

Acq: 14 Dec 2023 11:26

Instrument :

BNA_P

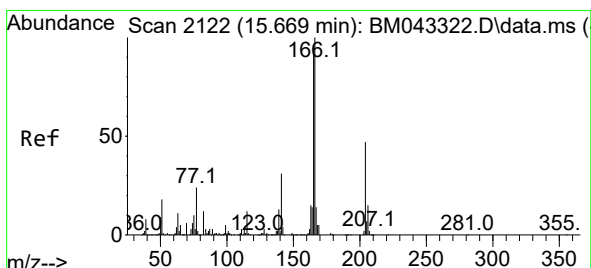
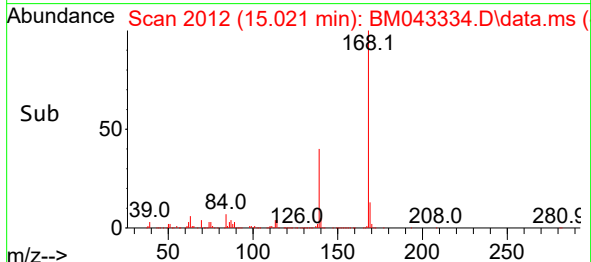
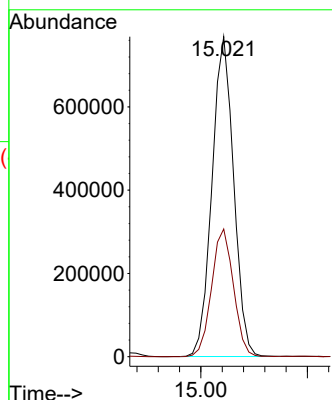
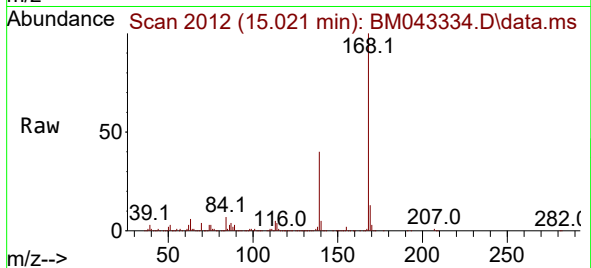
ClientSampleId :

Tgt Ion:168 Resp: 1084868

Ion Ratio Lower Upper

168 100

139 39.9 28.6 43.0



#61

Fluorene

Concen: 12.020 ng/ul

RT: 15.668 min Scan# 2122

Delta R.T. 0.000 min

Lab File: BM043334.D

Acq: 14 Dec 2023 11:26

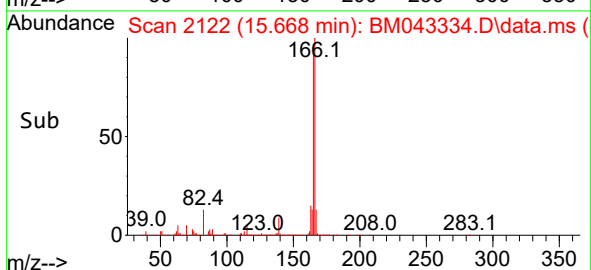
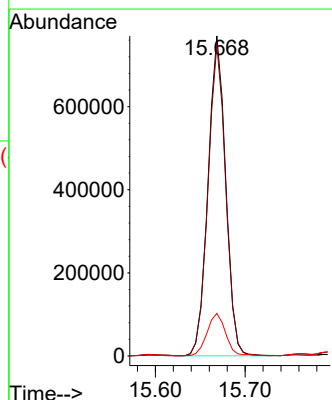
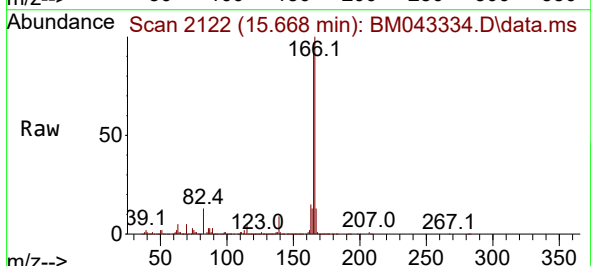
Tgt Ion:166 Resp: 1048891

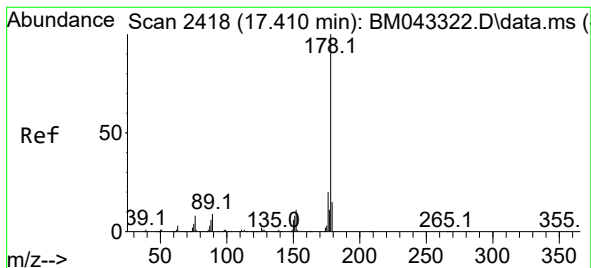
Ion Ratio Lower Upper

166 100

165 97.3 77.5 116.3

167 13.3 10.7 16.1





#72

Phenanthrene

Concen: 39.269 ng/ul

RT: 17.410 min Scan# 2418

Delta R.T. 0.000 min

Lab File: BM043334.D

Acq: 14 Dec 2023 11:26

Instrument :

BNA_P

ClientSampleId :

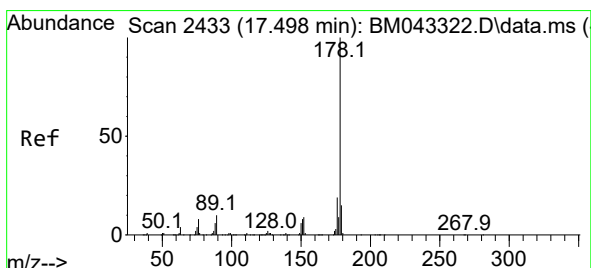
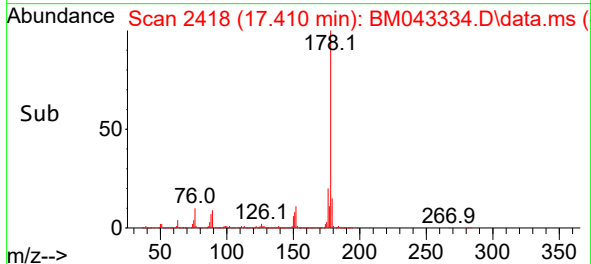
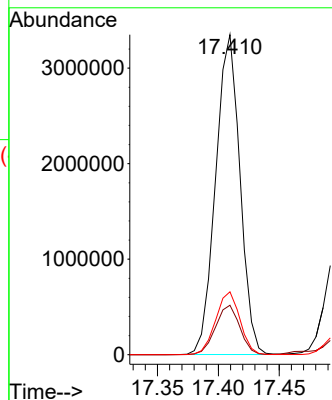
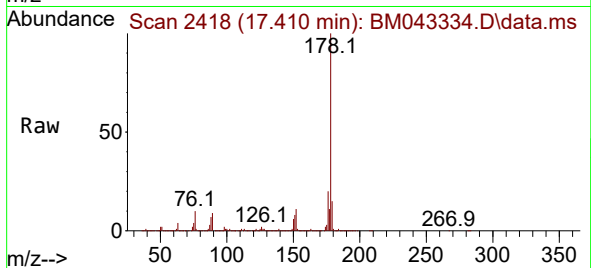
Tgt Ion:178 Resp: 4658280

Ion Ratio Lower Upper

178 100

179 15.5 12.2 18.2

176 19.6 15.7 23.5



#74

Anthracene

Concen: 13.088 ng/ul

RT: 17.498 min Scan# 2433

Delta R.T. 0.000 min

Lab File: BM043334.D

Acq: 14 Dec 2023 11:26

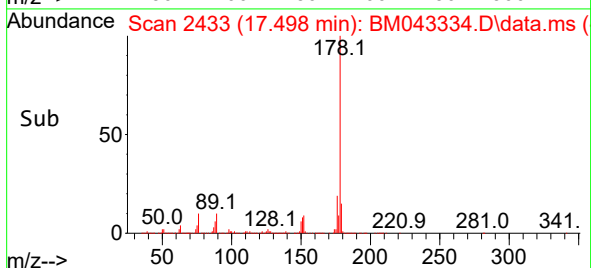
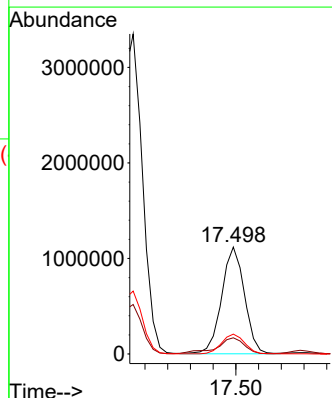
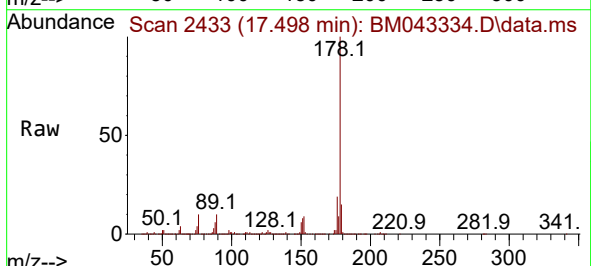
Tgt Ion:178 Resp: 1563929

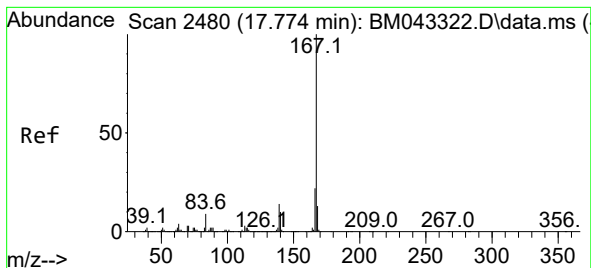
Ion Ratio Lower Upper

178 100

179 15.1 12.1 18.1

176 18.6 15.1 22.7





#77

Carbazole

Concen: 5.029 ng/ul

RT: 17.768 min Scan# 2480

Delta R.T. -0.006 min

Lab File: BM043334.D

Acq: 14 Dec 2023 11:26

Instrument :

BNA_P

ClientSampleId :

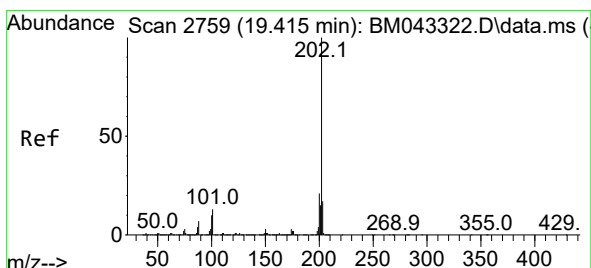
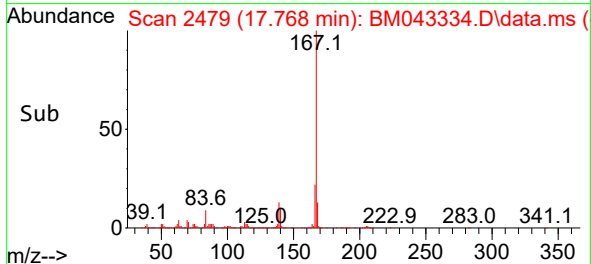
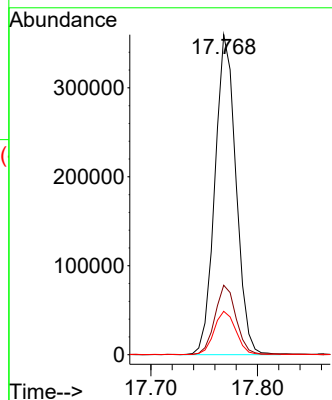
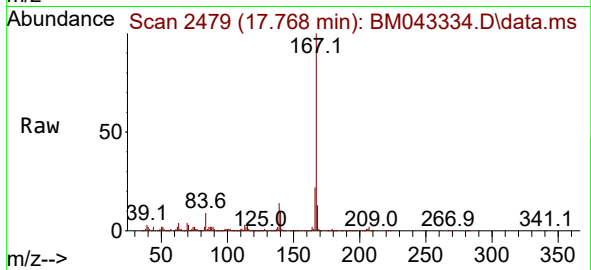
Tgt Ion:167 Resp: 493669

Ion Ratio Lower Upper

167 100

166 21.7 17.1 25.7

139 13.5 9.9 14.9



#80

Fluoranthene

Concen: 24.944 ng/ul

RT: 19.415 min Scan# 2759

Delta R.T. 0.000 min

Lab File: BM043334.D

Acq: 14 Dec 2023 11:26

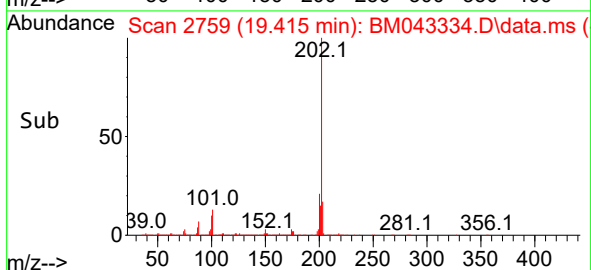
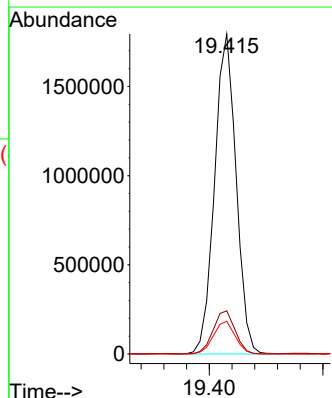
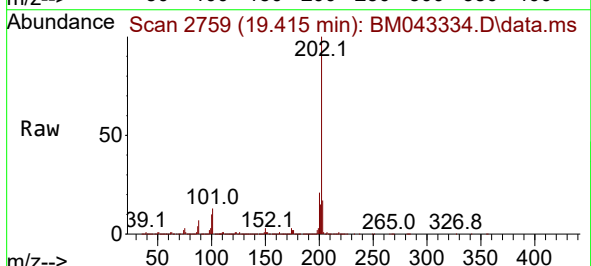
Tgt Ion:202 Resp: 2360745

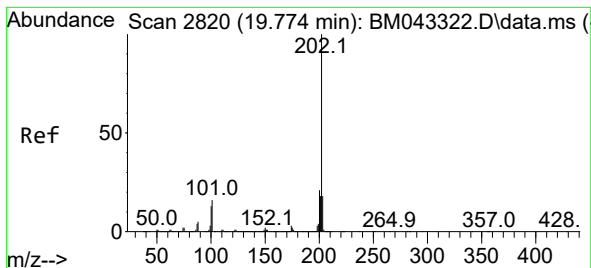
Ion Ratio Lower Upper

202 100

101 13.5 8.2 12.2#

100 10.2 6.1 9.1#





#82

Pyrene

Concen: 15.464 ng/ul

RT: 19.774 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM043334.D

Acq: 14 Dec 2023 11:26

Instrument :

BNA_P

ClientSampleId :

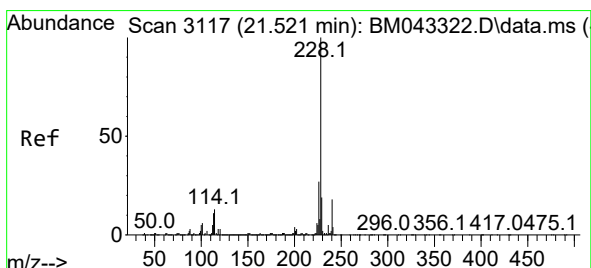
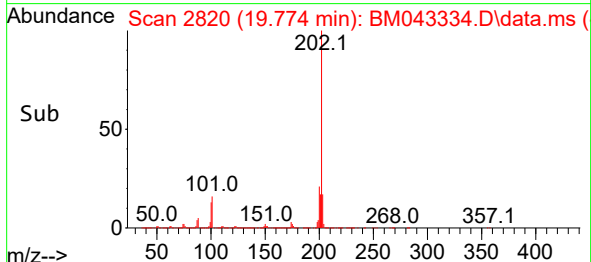
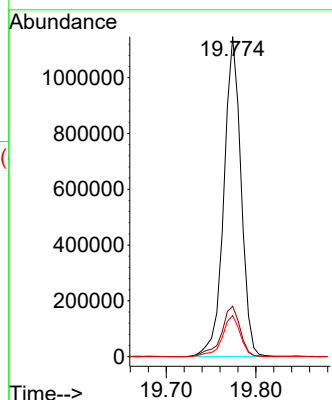
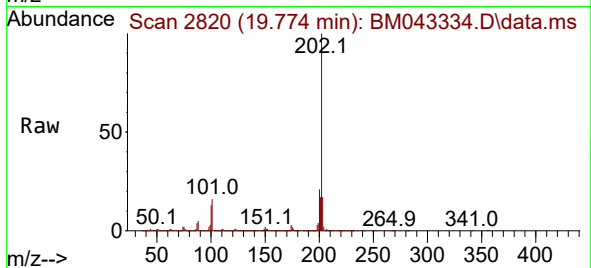
Tgt Ion:202 Resp: 1522423

Ion Ratio Lower Upper

202 100

101 15.8 10.2 15.2#

100 12.9 8.2 12.2#



#85

Benzo(a)anthracene

Concen: 2.565 ng/ul

RT: 21.515 min Scan# 3116

Delta R.T. -0.006 min

Lab File: BM043334.D

Acq: 14 Dec 2023 11:26

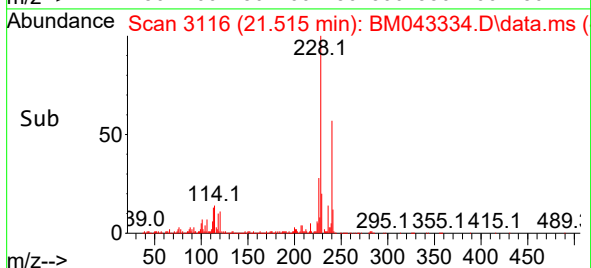
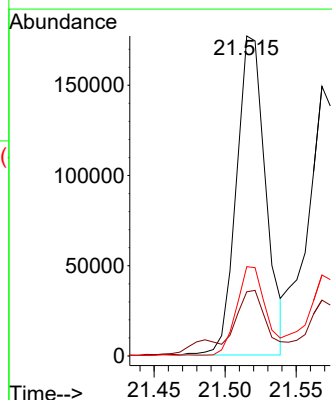
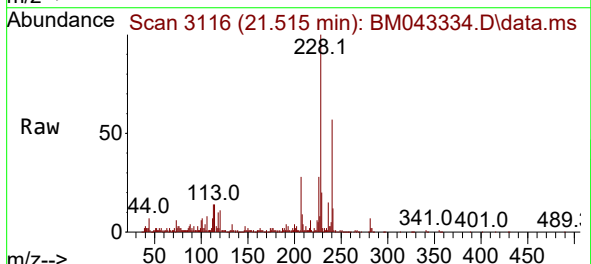
Tgt Ion:228 Resp: 253615

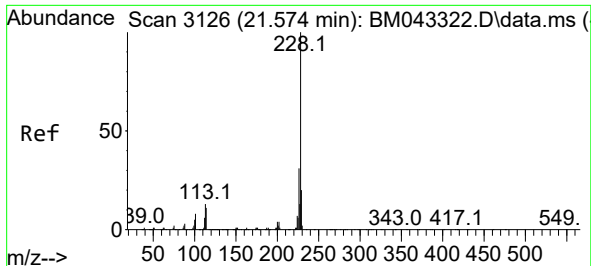
Ion Ratio Lower Upper

228 100

229 20.1 15.8 23.8

226 27.9 22.2 33.4

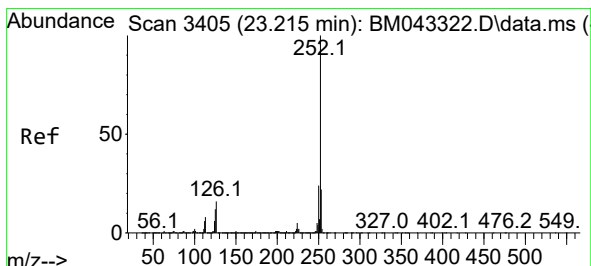
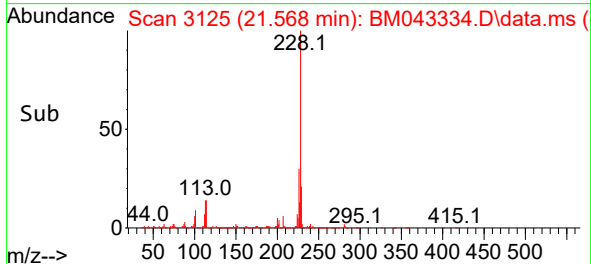
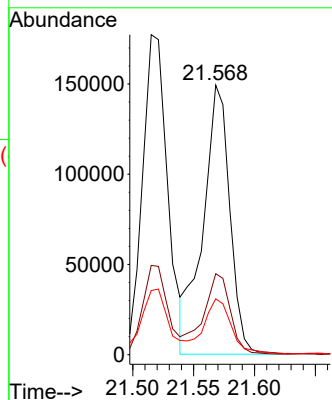
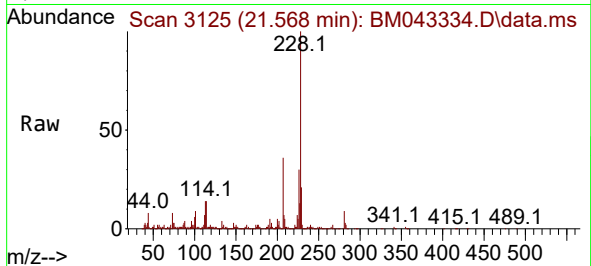




#87
Chrysene
Concen: 2.602 ng/u1
RT: 21.568 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM043334.D
Acq: 14 Dec 2023 11:26

Instrument :
BNA_P
ClientSampleId :

Tgt Ion:228 Resp: 229745
Ion Ratio Lower Upper
228 100
226 30.0 24.8 37.2
229 20.7 16.2 24.2



#90
Benzo(b)fluoranthene
Concen: 1.330 ng/u1
RT: 23.215 min Scan# 3405
Delta R.T. 0.000 min
Lab File: BM043334.D
Acq: 14 Dec 2023 11:26

Tgt Ion:252 Resp: 114913
Ion Ratio Lower Upper
252 100
253 24.8 17.4 26.2
125 14.7 7.2 10.8#

