

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121423\
 Data File : BM043342.D
 Acq On : 14 Dec 2023 18:56
 Operator : MA/JU
 Sample : 05626-05
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Dec 14 23:27:15 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	338443	20.000	ng/ul	-0.01
20) Naphthalene-d8	10.793	136	1441167	20.000	ng/ul	-0.01
38) Acenaphthene-d10	14.616	164	779862	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.357	188	1463304	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.533	240	1224967	20.000	ng/ul	# 0.00
88) Perylene-d12	23.951	264	1270700	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.387	96	30295	3.513	ng/uL	0.00
4) Pyridine-d5	3.811	84	138740	5.422	ng/ul	0.00
7) Phenol-d5	7.146	99	666163	19.826	ng/ul	-0.01
9) Bis-(2-Chloroethyl)eth...	7.322	67	411070	19.763	ng/ul	-0.01
11) 2-Chlorophenol-d4	7.511	132	495091	19.328	ng/ul	-0.02
15) 4-Methylphenol-d8	8.693	113	524679	19.738	ng/ul	-0.02
21) Nitrobenzene-d5	9.157	128	243334	19.810	ng/ul	-0.01
24) 2-Nitrophenol-d4	9.875	143	254795	21.511	ng/ul	-0.01
28) 2,4-Dichlorophenol-d3	10.410	165	461757	17.490	ng/ul	-0.02
31) 4-Chloroaniline-d4	10.940	131	480680	12.653	ng/ul	-0.01
46) Dimethylphthalate-d6	14.034	166	1351754	19.773	ng/ul	-0.01
49) Acenaphthylene-d8	14.310	160	1612987	20.394	ng/ul	-0.01
54) 4-Nitrophenol-d4	14.810	143	215102	17.560	ng/ul	-0.01
60) Fluorene-d10	15.604	176	1146598	19.241	ng/ul	-0.01
65) 4,6-Dinitro-2-methylph...	15.722	200	144283	17.915	ng/ul	-0.01
73) Anthracene-d10	17.457	188	1703188	21.514	ng/ul	0.00
81) Pyrene-d10	19.745	212	1803853	23.014	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.798	264	1580005	21.309	ng/ul	0.00
Target Compounds						
					Qvalue	
16) Acetophenone	8.816	105	123622	2.893	ng/ul#	89
30) Naphthalene	10.846	128	539011	6.093	ng/ul	100
36) 2-Methylnaphthalene	12.445	142	113769	1.788	ng/ul	96
37) 1-Methylnaphthalene	12.663	142	79281	1.227	ng/ul#	98
50) Acenaphthylene	14.339	152	353376	3.953	ng/ul	99
52) Acenaphthene	14.675	153	286483	4.859	ng/ul	98
56) Dibenzofuran	15.010	168	240813	2.990	ng/ul	93
61) Fluorene	15.663	166	389273	5.583	ng/ul	98
71) Pentachlorophenol	17.004	266	26837	2.171	ng/ul	98
72) Phenanthrene	17.398	178	2734400	29.967	ng/ul	100
74) Anthracene	17.492	178	1278670	13.911	ng/ul	100
77) Carbazole	17.763	167	682216	9.036	ng/ul	98
80) Fluoranthene	19.416	202	10874490	120.947	ng/ul	96
82) Pyrene	19.774	202	9748914	104.235	ng/ul	95
85) Benzo(a)anthracene	21.515	228	2942777	31.333	ng/ul	96
87) Chrysene	21.568	228	5504475	65.620	ng/ul	98
90) Benzo(b)fluoranthene	23.221	252	7298294	80.499	ng/ul#	96
91) Benzo(k)fluoranthene	23.221	252	7298294	80.824	ng/ul#	97
93) Benzo(a)pyrene	23.845	252	2043008	24.379	ng/ul#	96
94) Indeno(1,2,3-cd)pyrene	26.462	276	1616068	16.930	ng/ul#	94
95) Dibenzo(a,h)anthracene	26.480	278	428959	5.374	ng/ul#	90
96) Benzo(g,h,i)perylene	27.233	276	557592	7.753	ng/ul#	89

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Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 13 22:33:14 2023
Response via : Initial Calibration

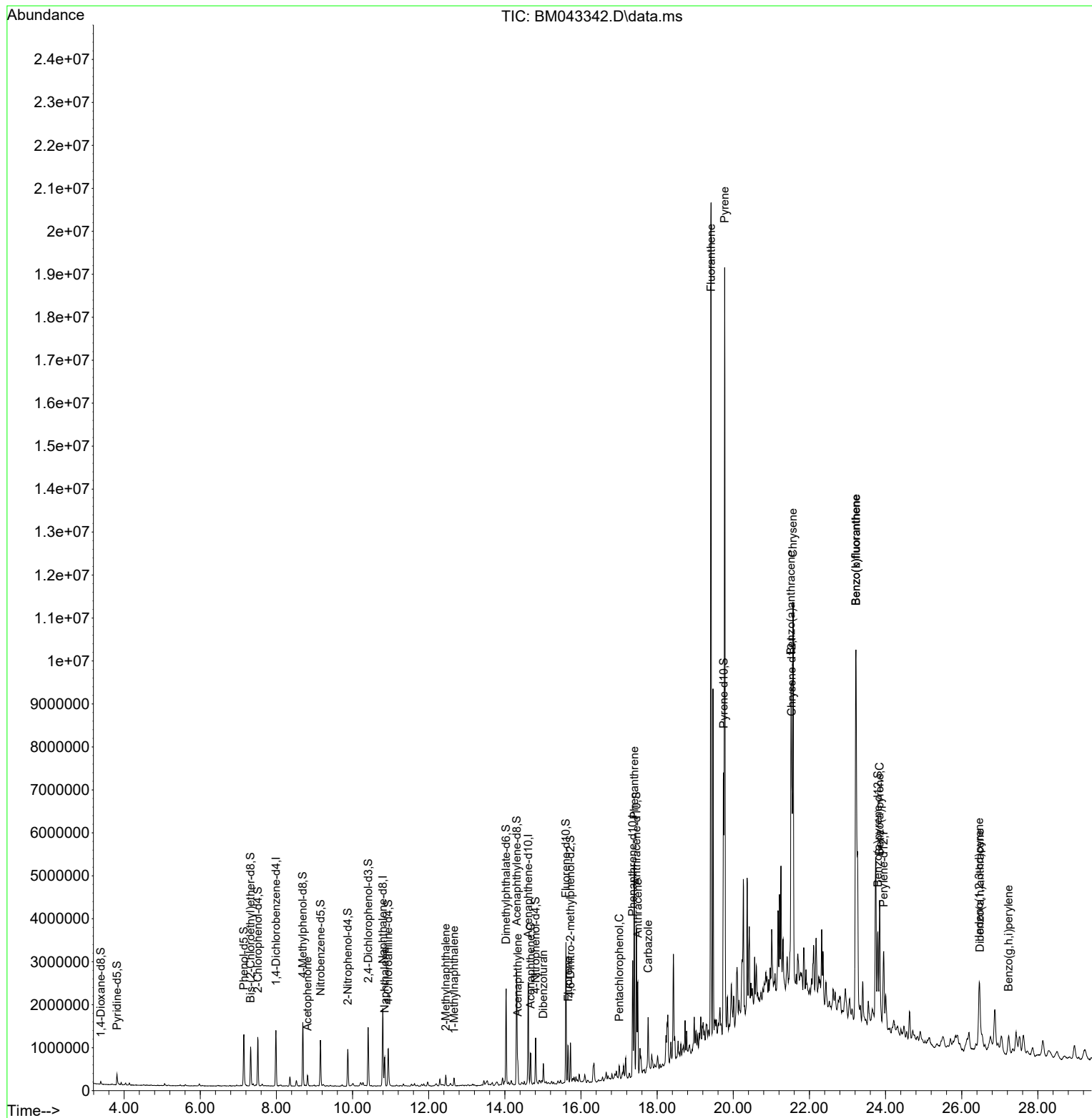
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

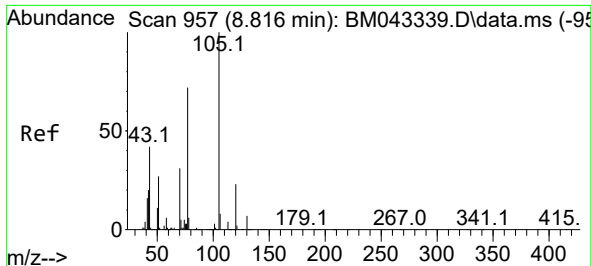
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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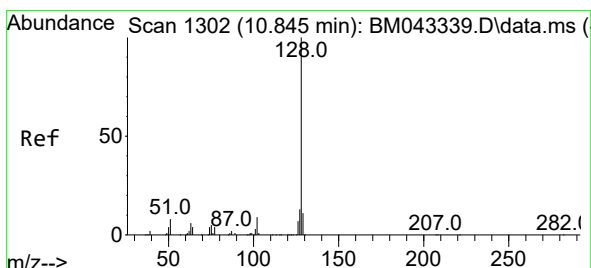
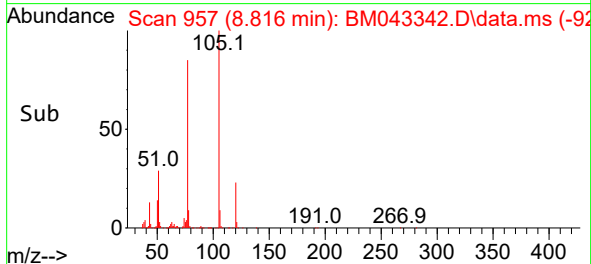
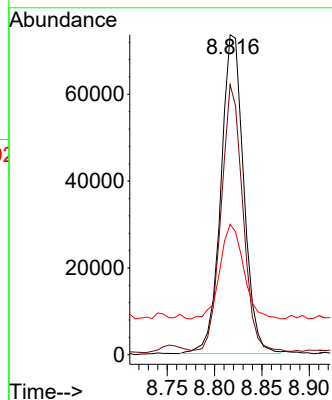
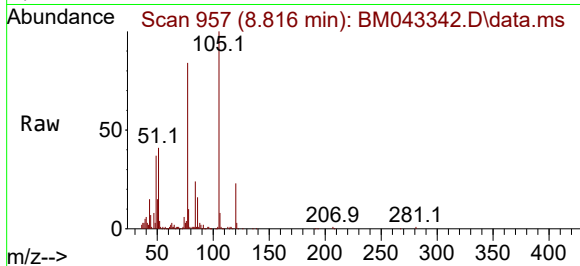




#16
Acetophenone
Concen: 2.893 ng/ul
RT: 8.816 min Scan# 91
Delta R.T. -0.017 min
Lab File: BM043342.D
Acq: 14 Dec 2023 18:56

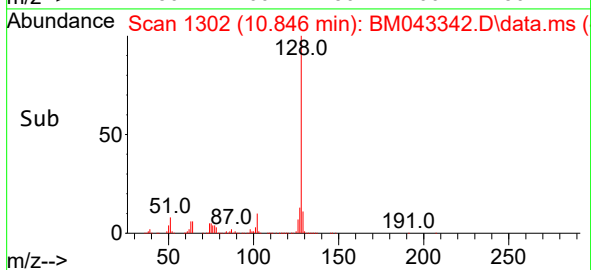
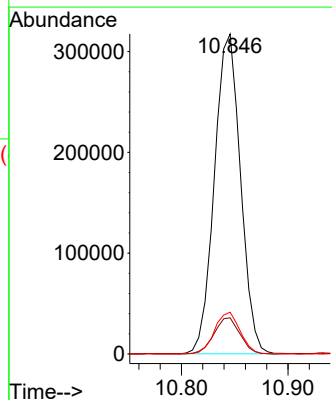
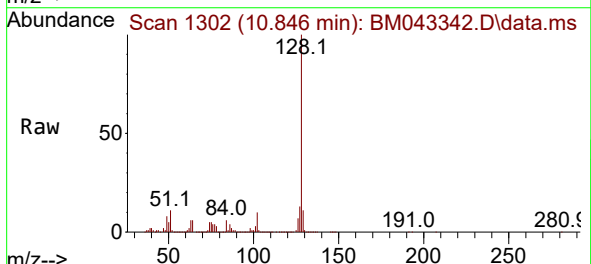
Instrument :
BNA_P
ClientSampleId :

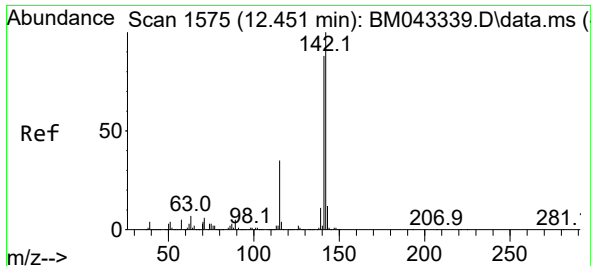
Tgt Ion:105 Resp: 123622
Ion Ratio Lower Upper
105 100
77 84.4 62.7 94.1
51 40.7 23.8 35.8#



#30
Naphthalene
Concen: 6.093 ng/ul
RT: 10.846 min Scan# 1302
Delta R.T. -0.011 min
Lab File: BM043342.D
Acq: 14 Dec 2023 18:56

Tgt Ion:128 Resp: 539011
Ion Ratio Lower Upper
128 100
129 11.3 9.0 13.4
127 13.0 10.4 15.6

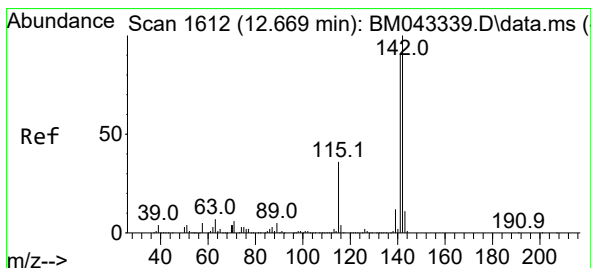
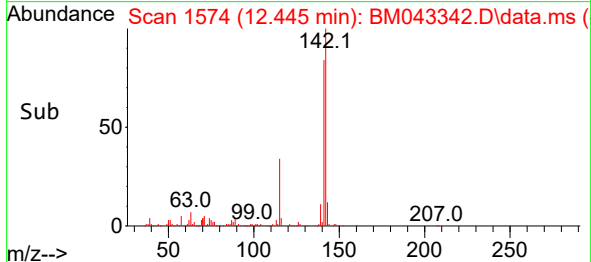
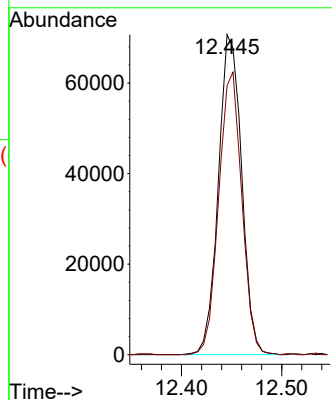
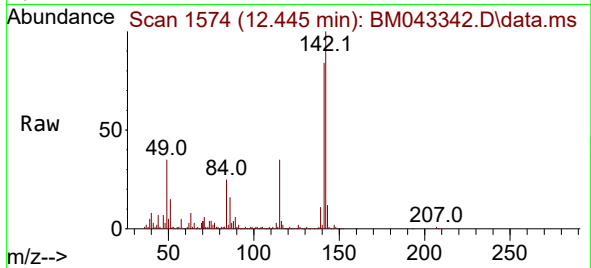




#36
2-Methylnaphthalene
Concen: 1.788 ng/ul
RT: 12.445 min Scan# 11
Delta R.T. -0.017 min
Lab File: BM043342.D
Acq: 14 Dec 2023 18:56

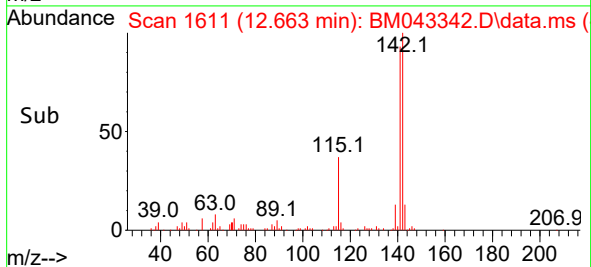
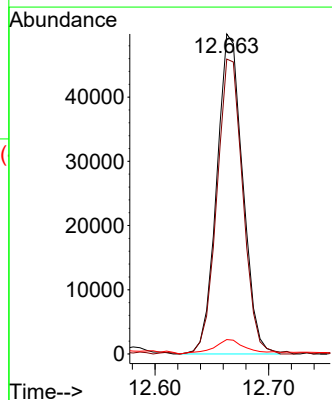
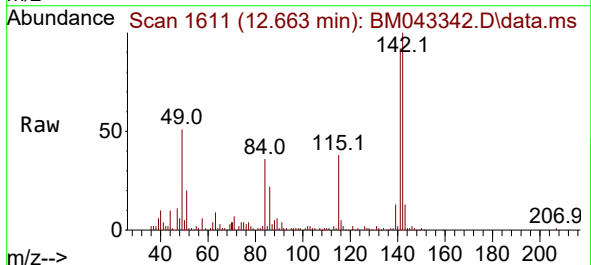
Instrument :
BNA_P
ClientSampleId :

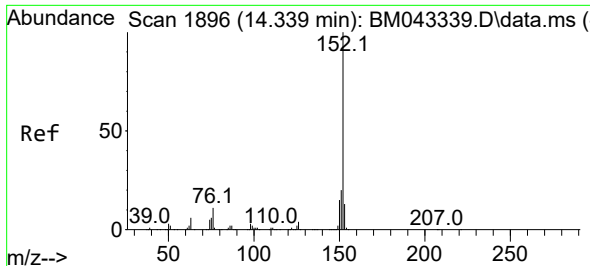
Tgt Ion:142 Resp: 113769
Ion Ratio Lower Upper
142 100
141 84.1 70.0 105.0



#37
1-Methylnaphthalene
Concen: 1.227 ng/ul
RT: 12.663 min Scan# 1611
Delta R.T. -0.011 min
Lab File: BM043342.D
Acq: 14 Dec 2023 18:56

Tgt Ion:142 Resp: 79281
Ion Ratio Lower Upper
142 100
141 92.2 71.9 107.9
116 4.5 2.8 4.2#

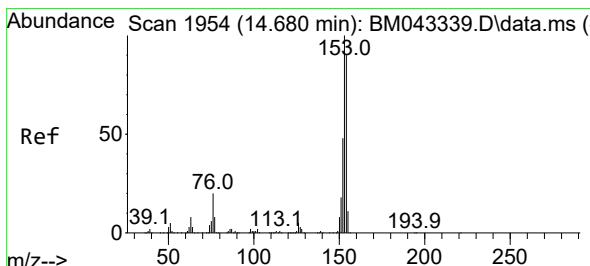
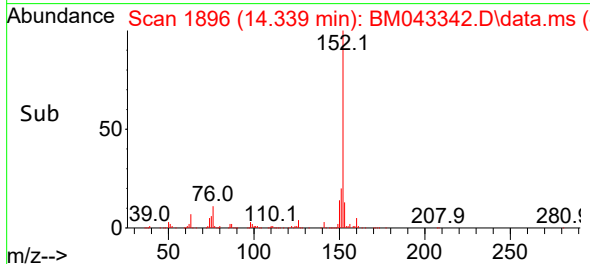
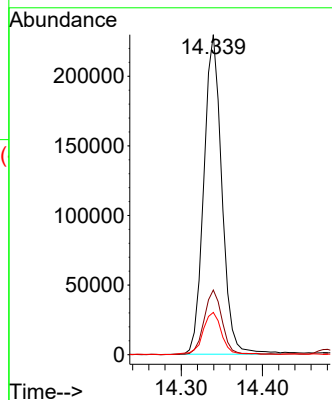
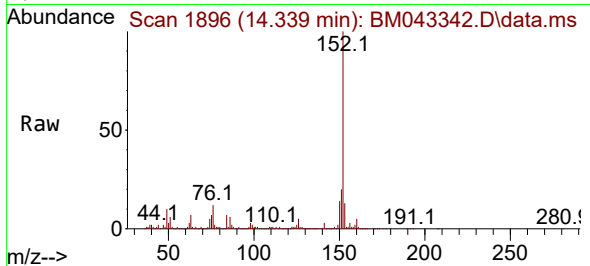




#50
Acenaphthylene
Concen: 3.953 ng/ul
RT: 14.339 min Scan# 1896
Delta R.T. -0.011 min
Lab File: BM043342.D
Acq: 14 Dec 2023 18:56

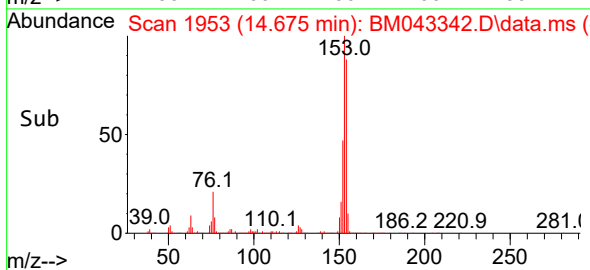
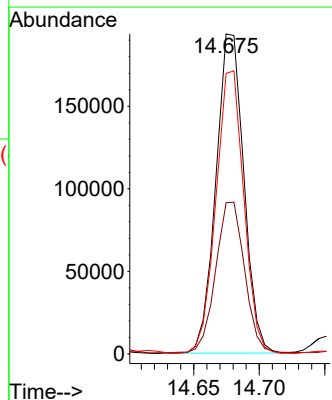
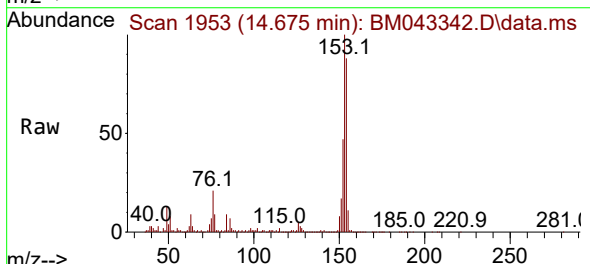
Instrument :
BNA_P
ClientSampleId :

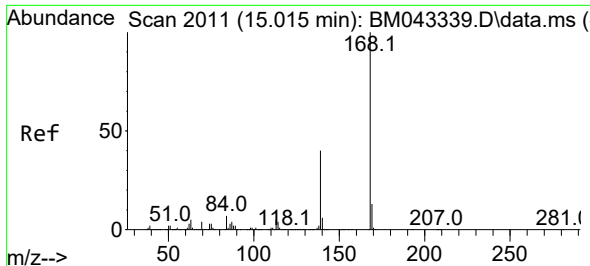
Tgt Ion:152 Resp: 353376
Ion Ratio Lower Upper
152 100
151 20.2 16.0 24.0
153 13.2 10.3 15.5



#52
Acenaphthene
Concen: 4.859 ng/ul
RT: 14.675 min Scan# 1953
Delta R.T. -0.011 min
Lab File: BM043342.D
Acq: 14 Dec 2023 18:56

Tgt Ion:153 Resp: 286483
Ion Ratio Lower Upper
153 100
152 47.3 38.6 58.0
154 87.7 71.6 107.4

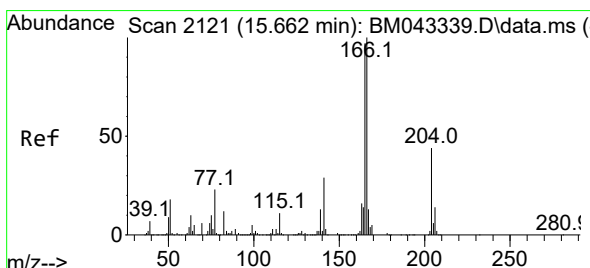
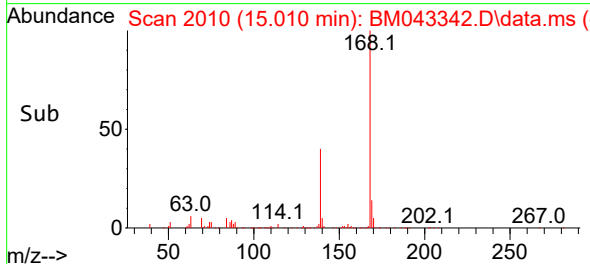
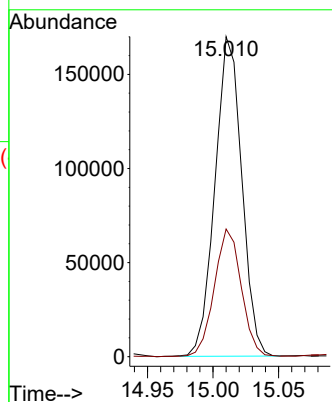
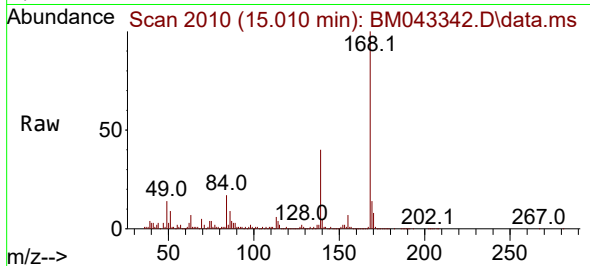




#56
Dibenzofuran
Concen: 2.990 ng/ul
RT: 15.010 min Scan# 2011
Delta R.T. -0.011 min
Lab File: BM043342.D
Acq: 14 Dec 2023 18:56

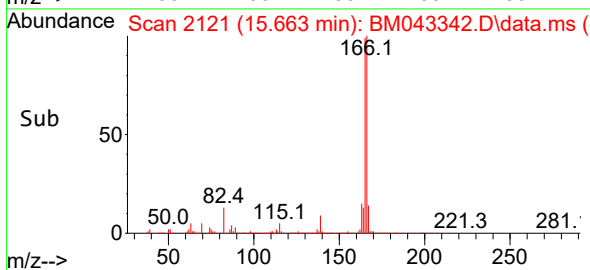
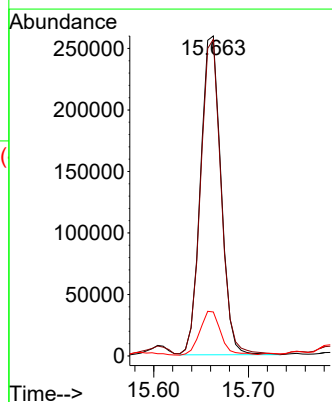
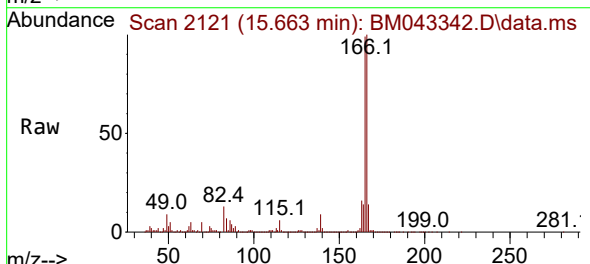
Instrument :
BNA_P
ClientSampleId :

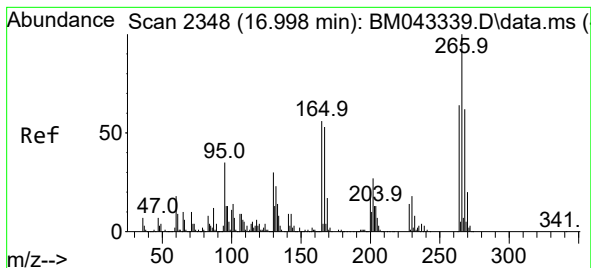
Tgt Ion:168 Resp: 240813
Ion Ratio Lower Upper
168 100
139 39.9 28.6 43.0



#61
Fluorene
Concen: 5.583 ng/ul
RT: 15.663 min Scan# 2121
Delta R.T. -0.006 min
Lab File: BM043342.D
Acq: 14 Dec 2023 18:56

Tgt Ion:166 Resp: 389273
Ion Ratio Lower Upper
166 100
165 98.9 77.5 116.3
167 13.7 10.7 16.1





#71

Pentachlorophenol

Concen: 2.171 ng/ul

RT: 17.004 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM043342.D

Acq: 14 Dec 2023 18:56

Instrument :

BNA_P

ClientSampleId :

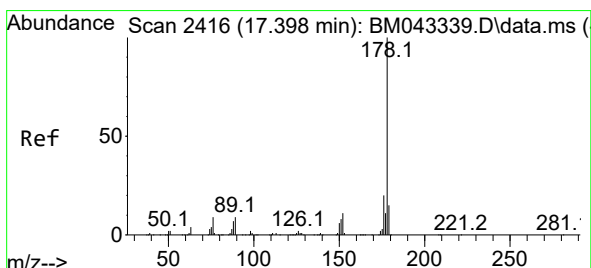
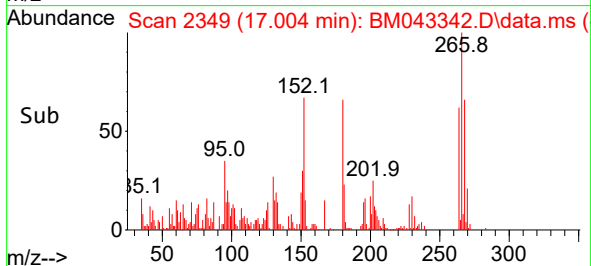
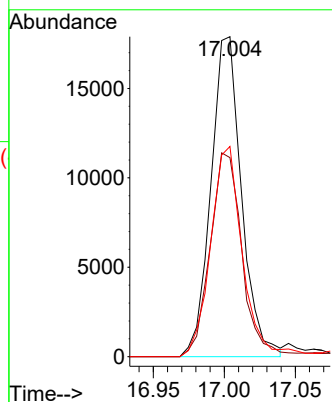
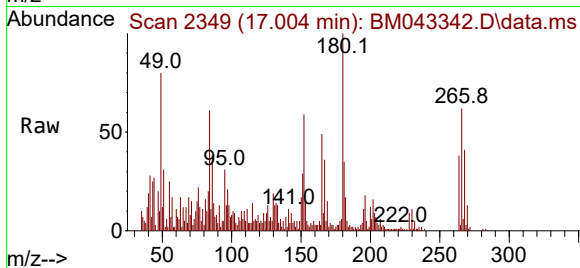
Tgt Ion:266 Resp: 26837

Ion Ratio Lower Upper

266 100

264 62.2 50.5 75.7

268 65.7 50.4 75.6



#72

Phenanthrene

Concen: 29.967 ng/ul

RT: 17.398 min Scan# 2416

Delta R.T. -0.011 min

Lab File: BM043342.D

Acq: 14 Dec 2023 18:56

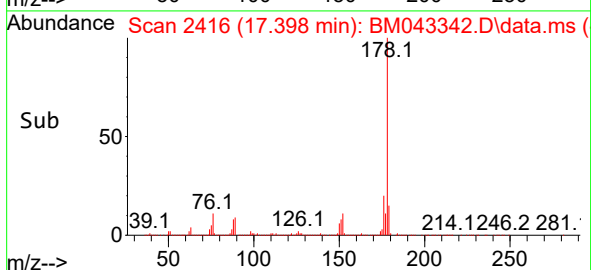
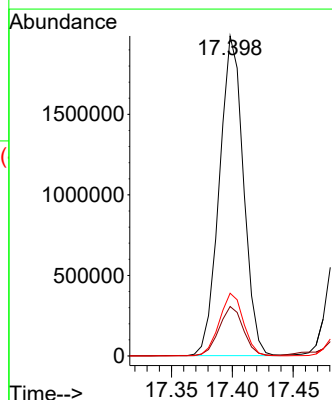
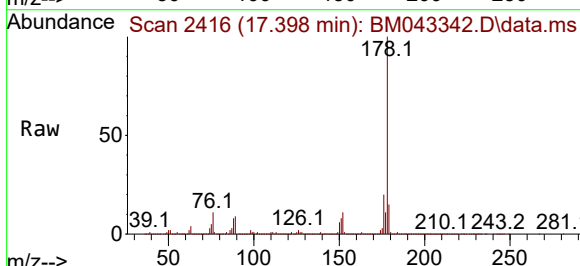
Tgt Ion:178 Resp: 2734400

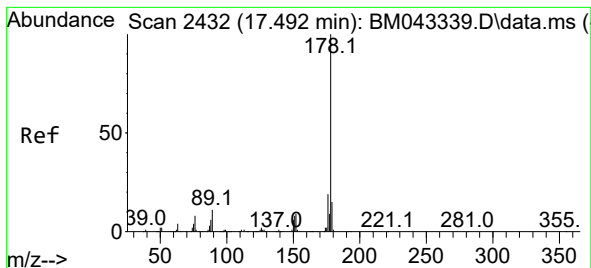
Ion Ratio Lower Upper

178 100

179 15.4 12.2 18.2

176 19.6 15.7 23.5





#74

Anthracene

Concen: 13.911 ng/ul

RT: 17.492 min Scan# 2432

Delta R.T. -0.006 min

Lab File: BM043342.D

Acq: 14 Dec 2023 18:56

Instrument :

BNA_P

ClientSampleId :

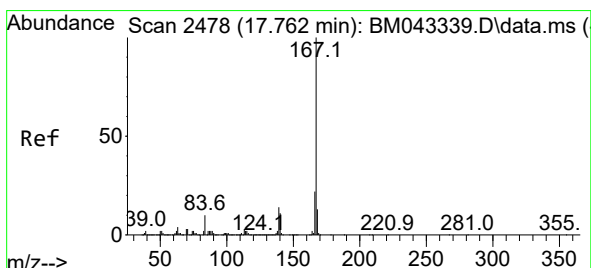
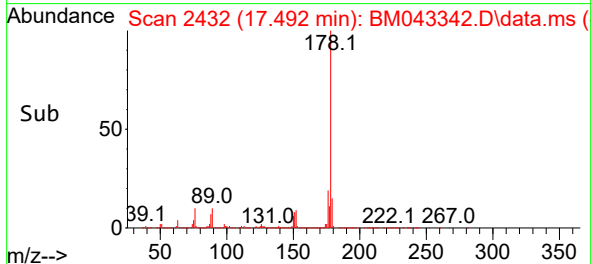
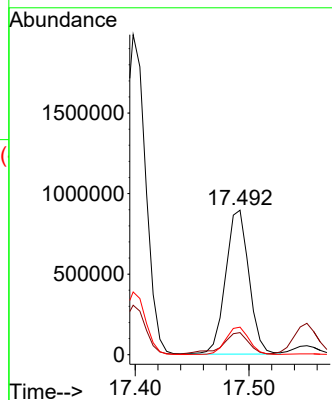
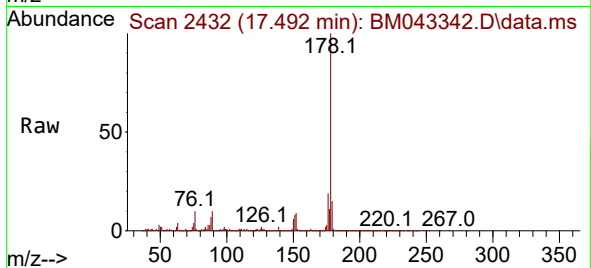
Tgt Ion:178 Resp: 1278670

Ion Ratio Lower Upper

178 100

179 15.3 12.1 18.1

176 19.0 15.1 22.7



#77

Carbazole

Concen: 9.036 ng/ul

RT: 17.763 min Scan# 2478

Delta R.T. -0.011 min

Lab File: BM043342.D

Acq: 14 Dec 2023 18:56

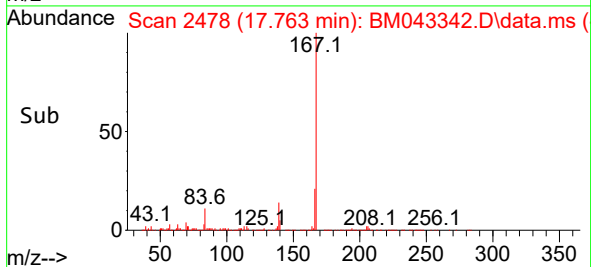
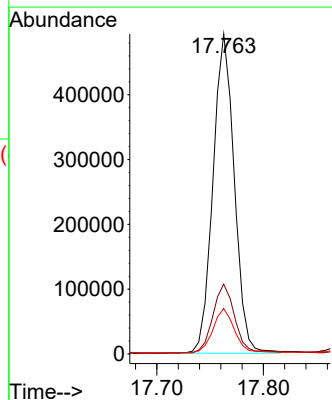
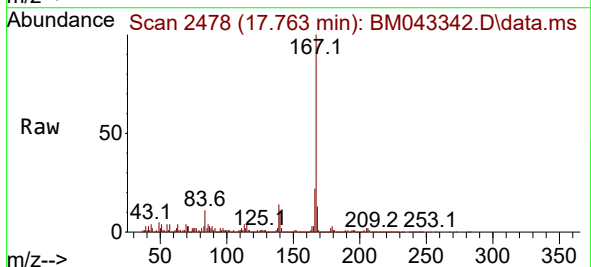
Tgt Ion:167 Resp: 682216

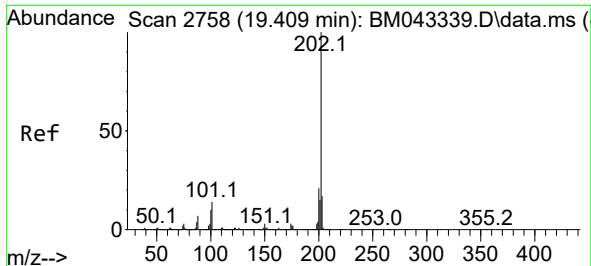
Ion Ratio Lower Upper

167 100

166 21.9 17.1 25.7

139 14.2 9.9 14.9

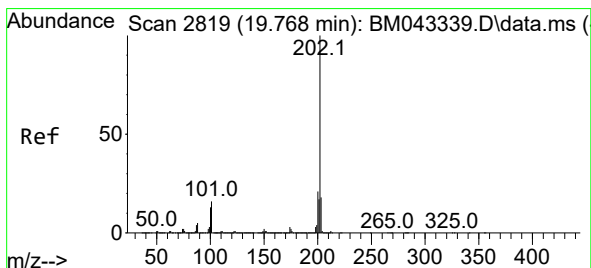
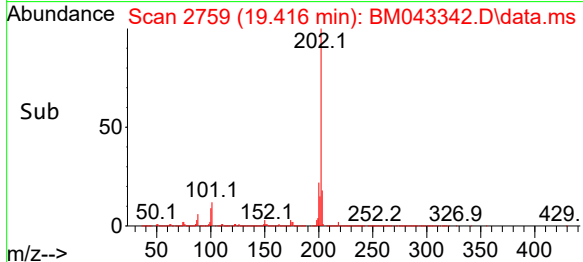
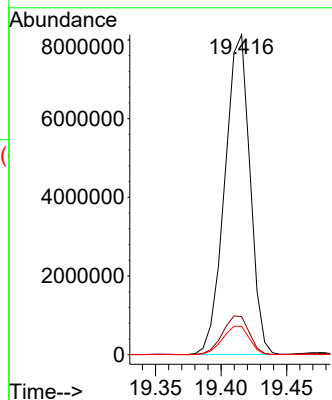
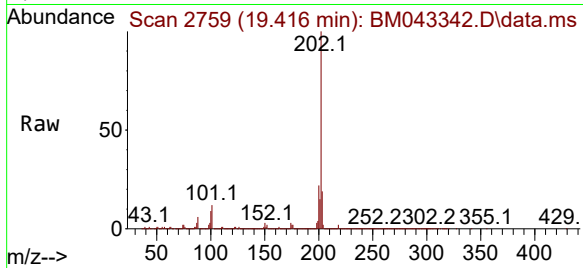




#80
Fluoranthene
Concen: 120.947 ng/ul
RT: 19.416 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM043342.D
Acq: 14 Dec 2023 18:56

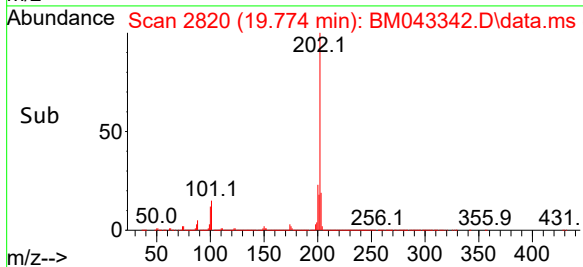
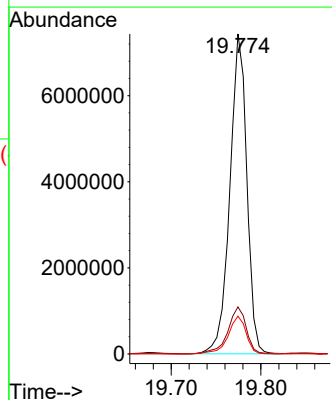
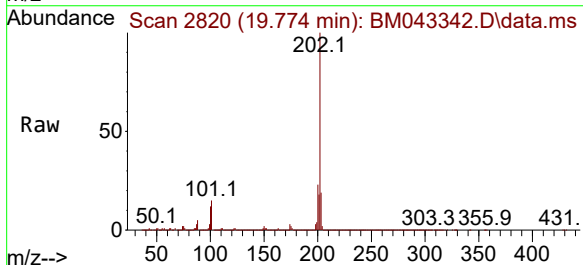
Instrument :
BNA_P
ClientSampleId :

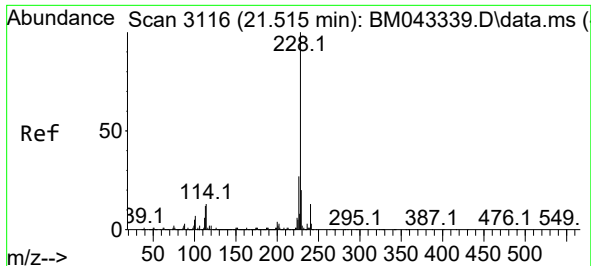
Tgt Ion:202 Resp:10874490
Ion Ratio Lower Upper
202 100
101 11.9 8.2 12.2
100 8.9 6.1 9.1



#82
Pyrene
Concen: 104.235 ng/ul
RT: 19.774 min Scan# 2820
Delta R.T. 0.000 min
Lab File: BM043342.D
Acq: 14 Dec 2023 18:56

Tgt Ion:202 Resp: 9748914
Ion Ratio Lower Upper
202 100
101 14.7 10.2 15.2
100 11.8 8.2 12.2

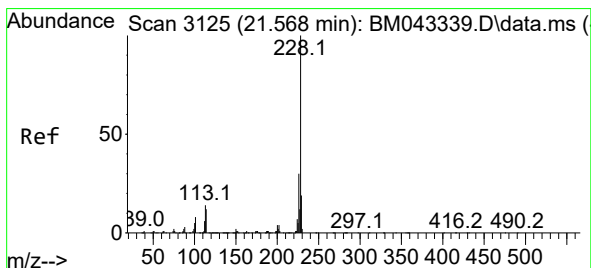
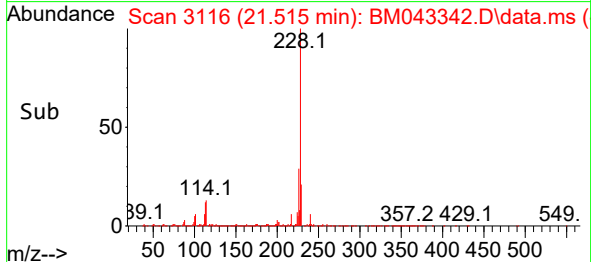
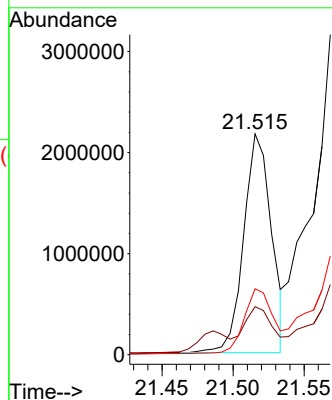
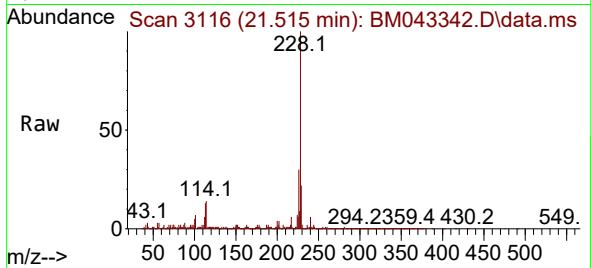




#85
Benzo(a)anthracene
Concen: 31.333 ng/uI
RT: 21.515 min Scan# 3116
Delta R.T. -0.006 min
Lab File: BM043342.D
Acq: 14 Dec 2023 18:56

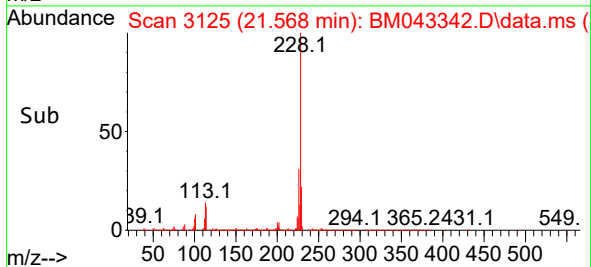
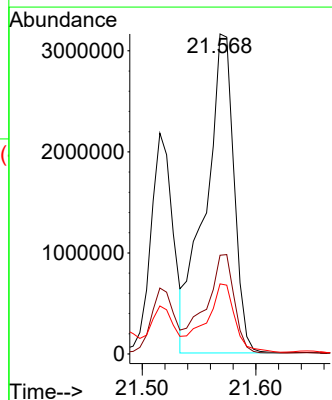
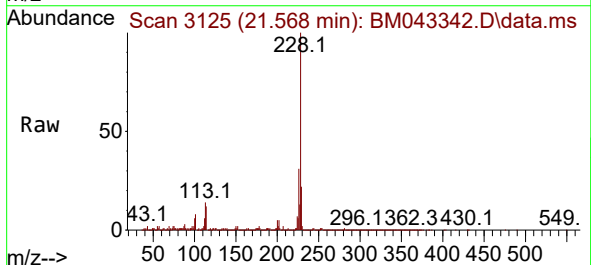
Instrument :
BNA_P
ClientSampleId :

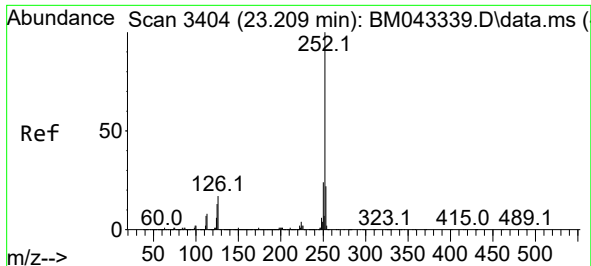
Tgt Ion:228 Resp: 2942777
Ion Ratio Lower Upper
228 100
229 21.8 15.8 23.8
226 29.9 22.2 33.4



#87
Chrysene
Concen: 65.620 ng/uI
RT: 21.568 min Scan# 3125
Delta R.T. -0.006 min
Lab File: BM043342.D
Acq: 14 Dec 2023 18:56

Tgt Ion:228 Resp: 5504475
Ion Ratio Lower Upper
228 100
226 30.8 24.8 37.2
229 21.9 16.2 24.2

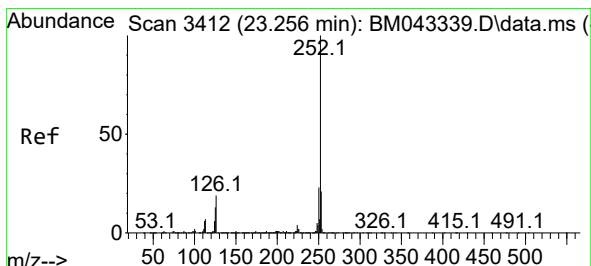
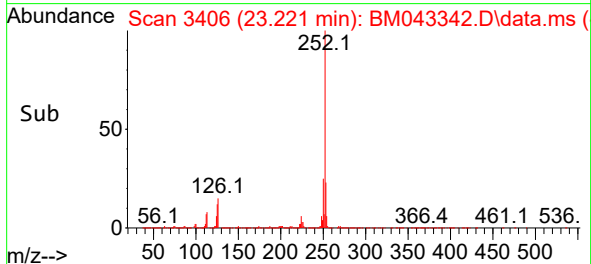
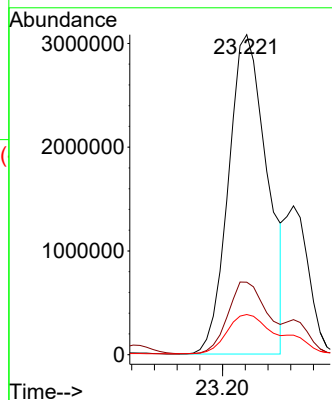
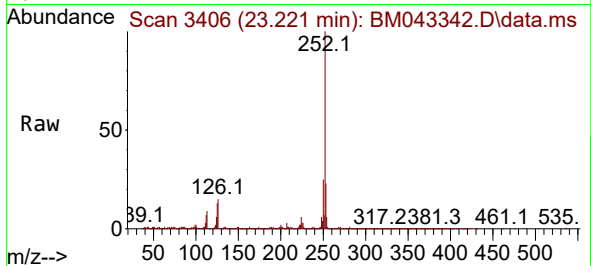




#90
Benzo(b)fluoranthene
Concen: 80.499 ng/ul
RT: 23.221 min Scan# 3406
Delta R.T. 0.006 min
Lab File: BM043342.D
Acq: 14 Dec 2023 18:56

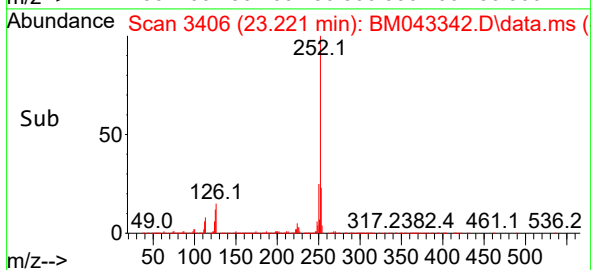
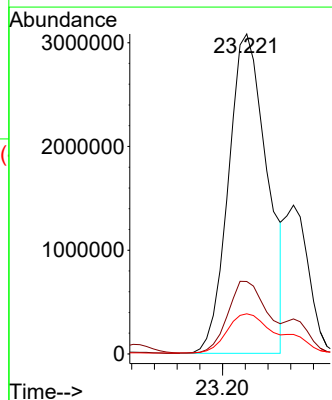
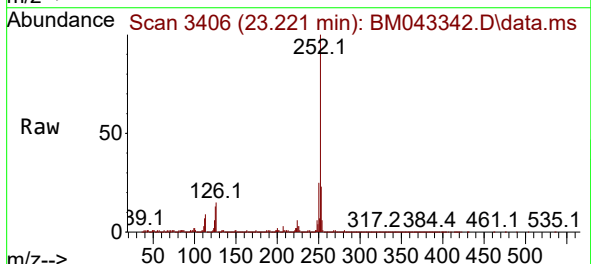
Instrument :
BNA_P
ClientSampleId :

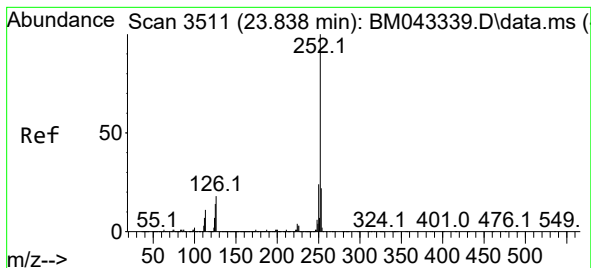
Tgt Ion:252 Resp: 7298294
Ion Ratio Lower Upper
252 100
253 22.7 17.4 26.2
125 12.5 7.2 10.8#



#91
Benzo(k)fluoranthene
Concen: 80.824 ng/ul
RT: 23.221 min Scan# 3406
Delta R.T. -0.047 min
Lab File: BM043342.D
Acq: 14 Dec 2023 18:56

Tgt Ion:252 Resp: 7298294
Ion Ratio Lower Upper
252 100
253 22.7 17.9 26.9
125 12.5 7.7 11.5#





#93

Benzo(a)pyrene

Concen: 24.379 ng/ul

RT: 23.845 min Scan# 3

Delta R.T. 0.000 min

Lab File: BM043342.D

Acq: 14 Dec 2023 18:56

Instrument :

BNA_P

ClientSampleId :

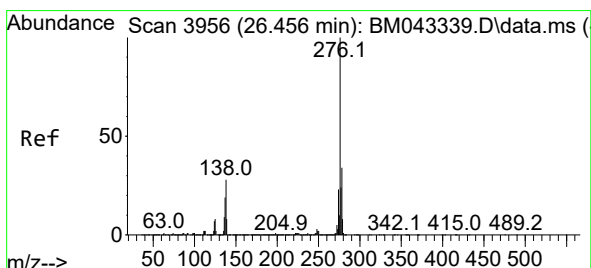
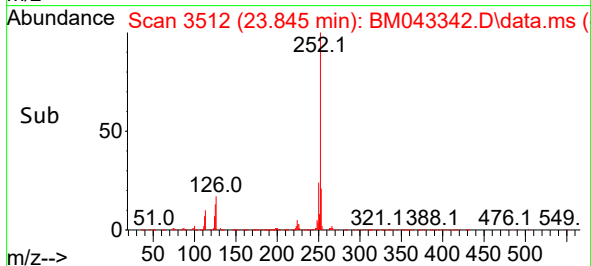
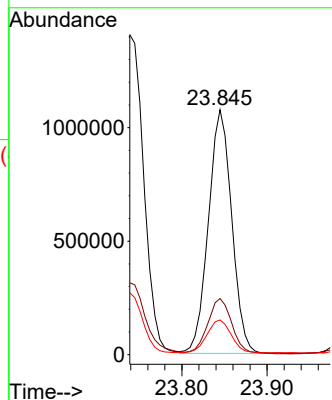
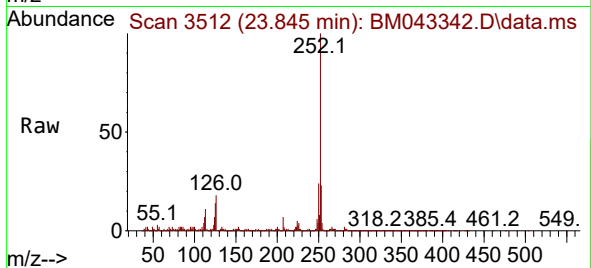
Tgt Ion:252 Resp: 2043008

Ion Ratio Lower Upper

252 100

253 22.9 17.8 26.6

125 14.2 8.4 12.6#



#94

Indeno(1,2,3-cd)pyrene

Concen: 16.930 ng/ul

RT: 26.462 min Scan# 3957

Delta R.T. -0.011 min

Lab File: BM043342.D

Acq: 14 Dec 2023 18:56

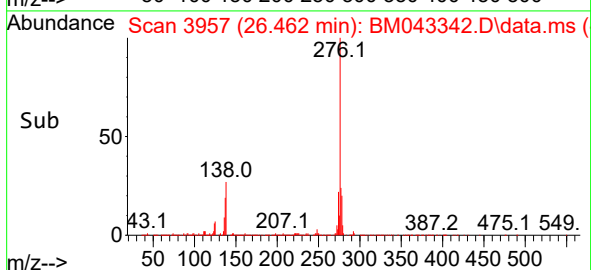
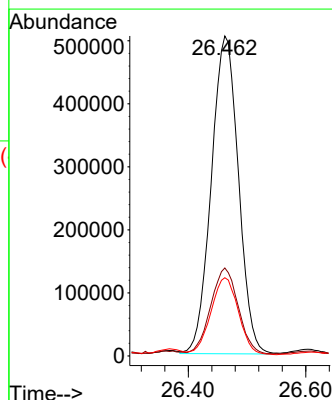
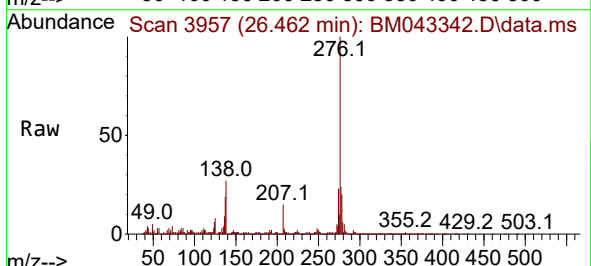
Tgt Ion:276 Resp: 1616068

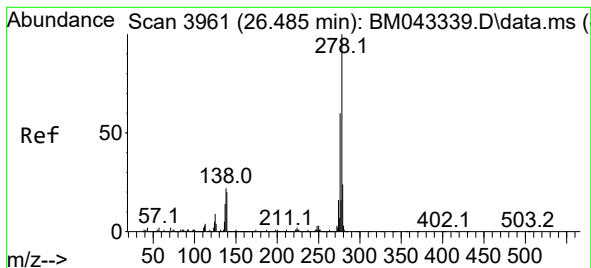
Ion Ratio Lower Upper

276 100

138 27.5 16.9 25.3#

277 24.5 19.5 29.3





#95

Dibenzo(a,h)anthracene

Concen: 5.374 ng/ul

RT: 26.480 min Scan# 3961

Delta R.T. -0.023 min

Lab File: BM043342.D

Acq: 14 Dec 2023 18:56

Instrument :

BNA_P

ClientSampleId :

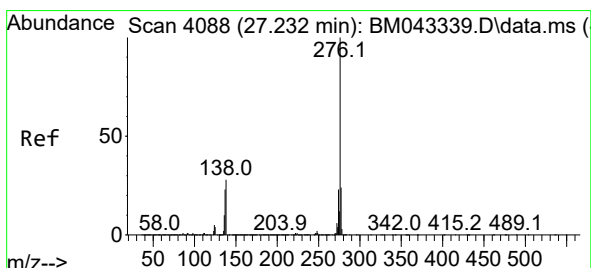
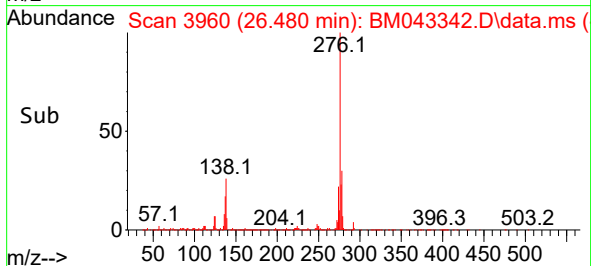
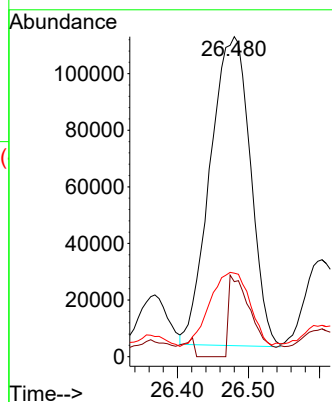
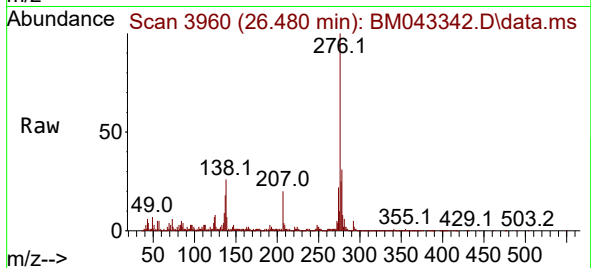
Tgt Ion:278 Resp: 428959

Ion Ratio Lower Upper

278 100

139 23.5 11.9 17.9#

279 26.1 19.4 29.2



#96

Benzo(g,h,i)perylene

Concen: 7.753 ng/ul

RT: 27.233 min Scan# 4088

Delta R.T. -0.011 min

Lab File: BM043342.D

Acq: 14 Dec 2023 18:56

Tgt Ion:276 Resp: 557592

Ion Ratio Lower Upper

276 100

138 29.8 16.2 24.2#

277 22.3 18.7 28.1

