

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061224\
 Data File : BN031948.D
 Acq On : 12 Jun 2024 19:20
 Operator : MA/JU
 Sample : P2678-13
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BH682

Quant Time: Jun 12 22:54:18 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN052924.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jun 11 22:28:10 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.657	152	464520	20.000	ng/u1	0.00
20) Naphthalene-d8	10.439	136	2053624	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.304	164	1289367	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.051	188	2401585	20.000	ng/u1	0.00
79) Chrysene-d12	21.292	240	1402573	20.000	ng/u1	0.00
88) Perylene-d12	24.221	264	1658082	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.181	96	43981	3.917	ng/uL	0.00
4) Pyridine-d5	3.587	84	139330	4.408	ng/u1	0.00
7) Phenol-d5	6.834	99	1036637	26.031	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.998	67	585010	25.115	ng/u1	0.00
11) 2-Chlorophenol-d4	7.193	132	828673	27.272	ng/u1	0.00
15) 4-Methylphenol-d8	8.363	113	807290	24.869	ng/u1	0.00
21) Nitrobenzene-d5	8.816	128	428375	27.281	ng/u1	0.00
24) 2-Nitrophenol-d4	9.534	143	453236	27.943	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.069	165	815582	26.934	ng/u1	0.00
31) 4-Chloroaniline-d4	10.587	131	364327	8.103	ng/u1	0.00
46) Dimethylphthalate-d6	13.722	166	2396499	26.680	ng/u1	0.00
49) Acenaphthylene-d8	13.992	160	2808259	27.189	ng/u1	0.00
54) 4-Nitrophenol-d4	14.522	143	337356	18.758	ng/u1	0.00
60) Fluorene-d10	15.298	176	2041873	26.866	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.433	200	264555	21.916	ng/u1	0.00
73) Anthracene-d10	17.151	188	2733772	26.589	ng/u1	0.00
81) Pyrene-d10	19.451	212	2248029	29.952	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.021	264	1526041	19.275	ng/u1	0.00
Target Compounds						Qvalue
16) Acetophenone	8.481	105	106741	2.170	ng/u1	96
30) Naphthalene	10.492	128	117593	1.106	ng/u1	99
36) 2-Methylnaphthalene	12.104	142	78072	1.075	ng/u1	99
50) Acenaphthylene	14.022	152	338662	2.901	ng/u1	98
52) Acenaphthene	14.369	153	90603	1.173	ng/u1	98
61) Fluorene	15.351	166	108669	1.286	ng/u1#	95
72) Phenanthrene	17.098	178	2816326	23.021	ng/u1	99
74) Anthracene	17.186	178	537895	4.339	ng/u1	99
77) Carbazole	17.463	167	293095	2.773	ng/u1	100
80) Fluoranthene	19.121	202	5534187	61.698	ng/u1	97
82) Pyrene	19.480	202	4258404	46.272	ng/u1	97
83) Butylbenzylphthalate	20.392	149	176383	4.058	ng/u1	93
85) Benzo(a)anthracene	21.274	228	2475881	26.373	ng/u1	97
86) Bis(2-ethylhexyl)phtha...	21.198	149	500985	7.907	ng/u1	98
87) Chrysene	21.333	228	2634731	30.046	ng/u1	98
90) Benzo(b)fluoranthene	23.304	252	3594243	36.266	ng/u1	97
91) Benzo(k)fluoranthene	23.304	252	3594243	36.958	ng/u1	98
93) Benzo(a)pyrene	24.086	252	1497569	16.134	ng/u1	97
94) Indeno(1,2,3-cd)pyrene	27.509	276	1436030	13.425	ng/u1	99
95) Dibenzo(a,h)anthracene	27.550	278	258587	2.961	ng/u1#	90
96) Benzo(g,h,i)perylene	28.539	276	187621	2.207	ng/u1	95

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

Instrument :

BNA_N

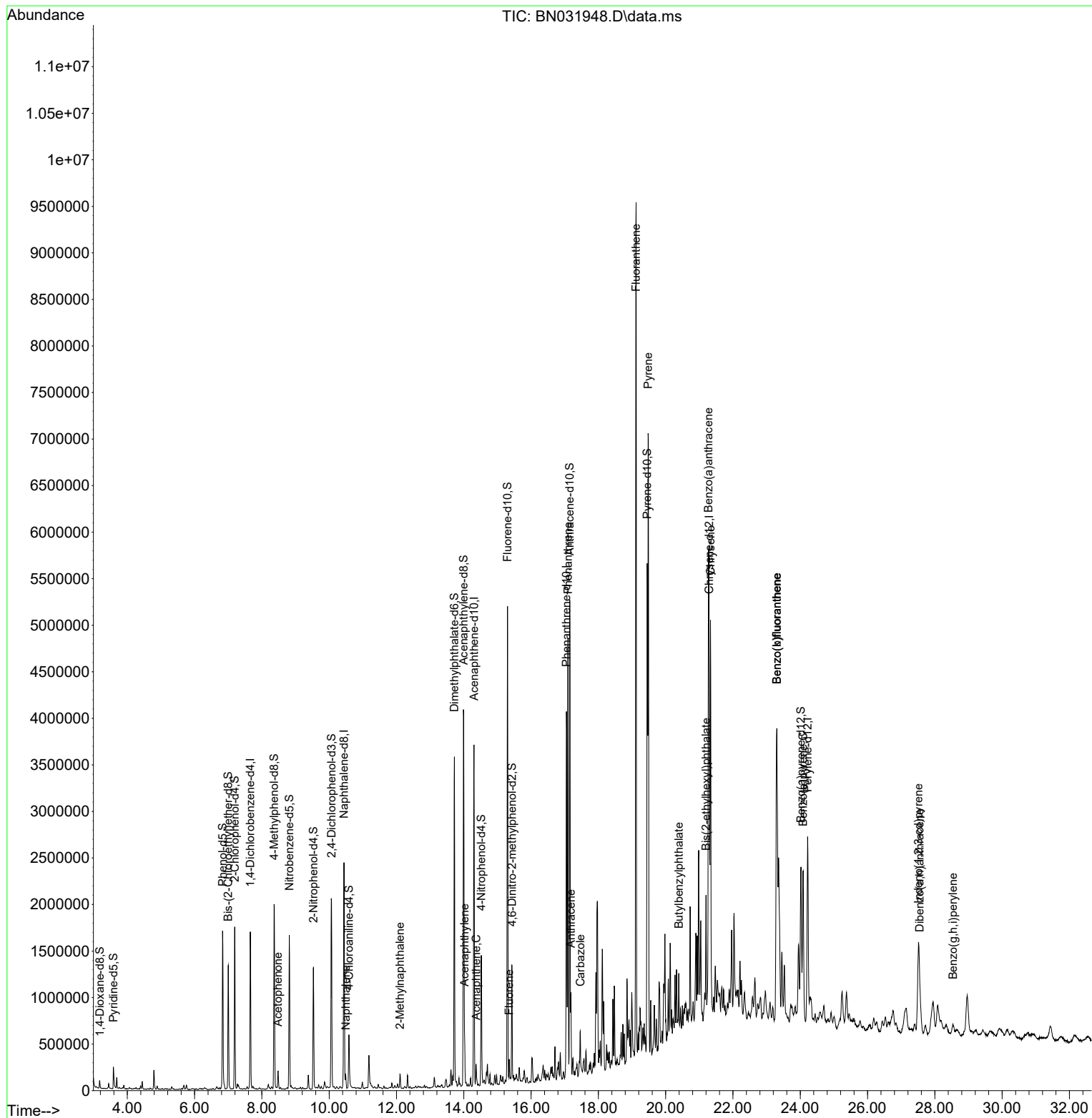
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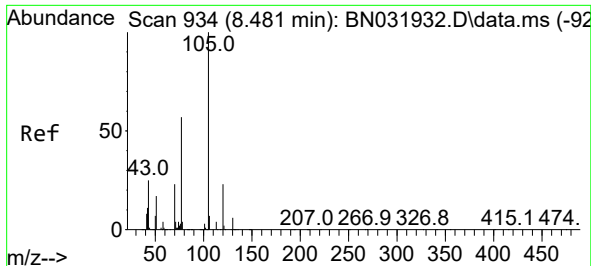
BH682

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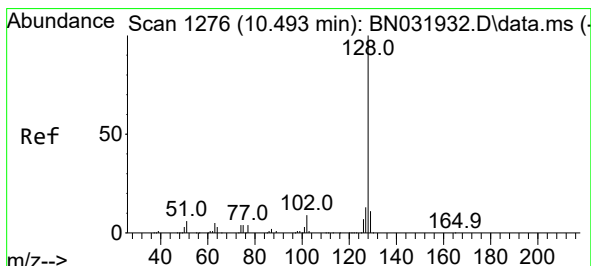
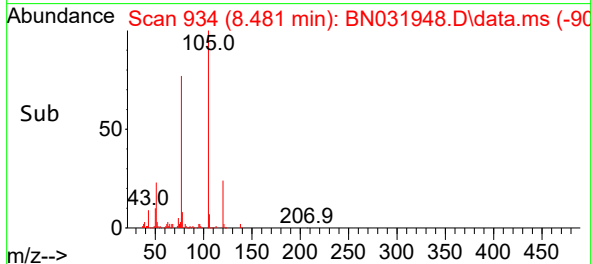
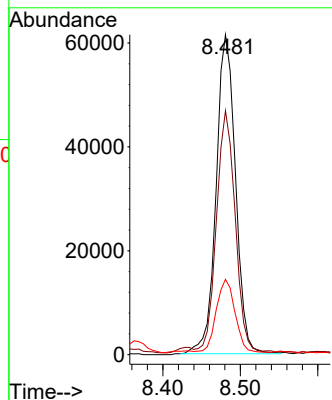
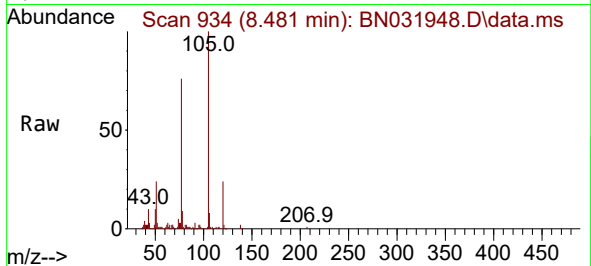




#16
Acetophenone
Concen: 2.170 ng/ul
RT: 8.481 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN031948.D
Acq: 12 Jun 2024 19:20

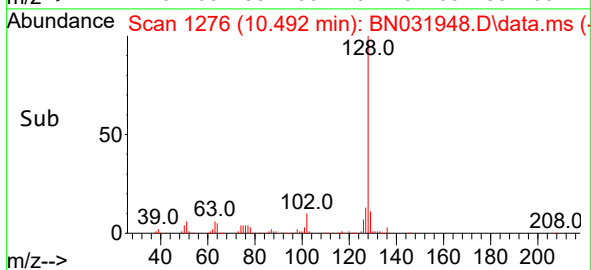
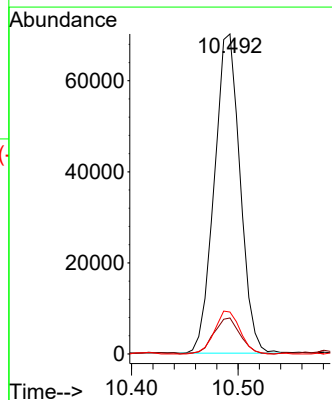
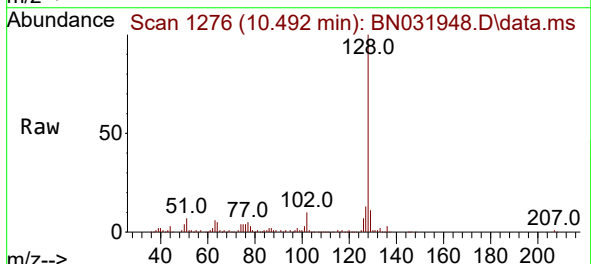
Instrument :
BNA_N
ClientSampleId :
BH682

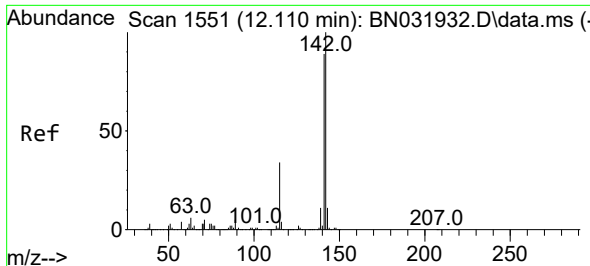
Tgt Ion:105 Resp: 106741
Ion Ratio Lower Upper
105 100
77 76.3 58.6 87.8
51 23.5 17.2 25.8



#30
Naphthalene
Concen: 1.106 ng/ul
RT: 10.492 min Scan# 1276
Delta R.T. -0.000 min
Lab File: BN031948.D
Acq: 12 Jun 2024 19:20

Tgt Ion:128 Resp: 117593
Ion Ratio Lower Upper
128 100
129 11.2 8.5 12.7
127 13.1 10.3 15.5

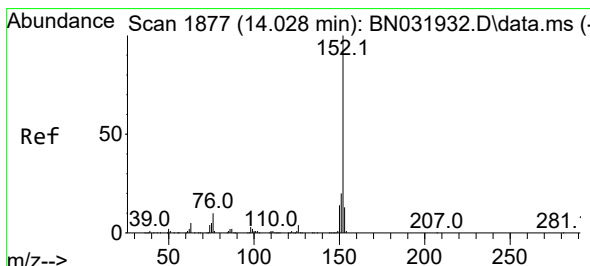
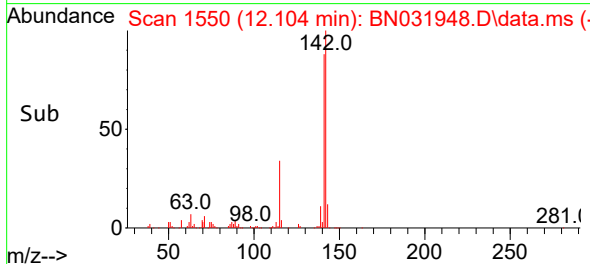
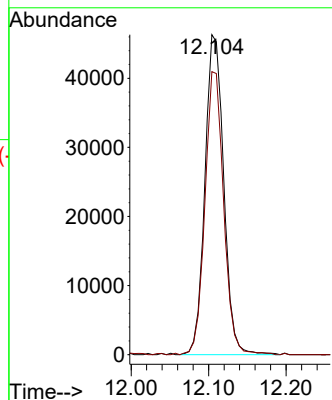
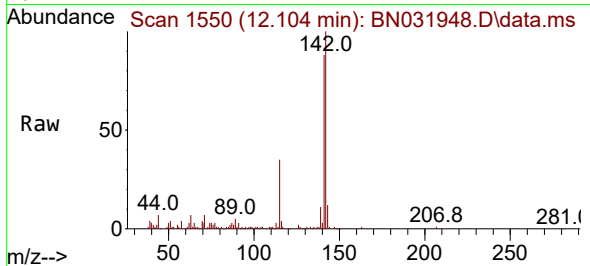




#36
2-Methylnaphthalene
Concen: 1.075 ng/ul
RT: 12.104 min Scan# 1550
Delta R.T. -0.006 min
Lab File: BN031948.D
Acq: 12 Jun 2024 19:20

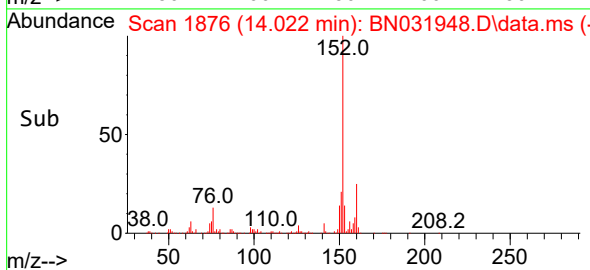
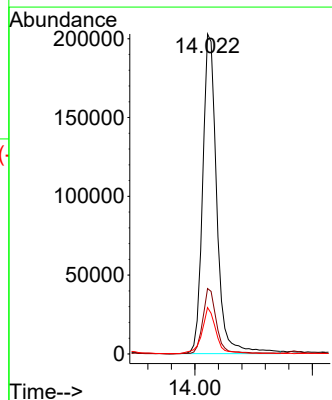
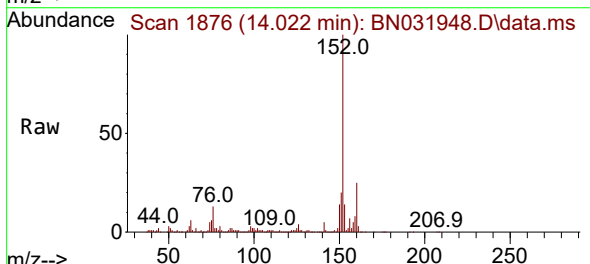
Instrument :
BNA_N
ClientSampleId :
BH682

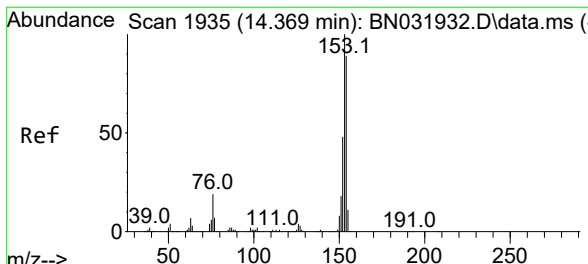
Tgt Ion:142 Resp: 78072
Ion Ratio Lower Upper
142 100
141 88.5 70.1 105.1



#50
Acenaphthylene
Concen: 2.901 ng/ul
RT: 14.022 min Scan# 1876
Delta R.T. -0.006 min
Lab File: BN031948.D
Acq: 12 Jun 2024 19:20

Tgt Ion:152 Resp: 338662
Ion Ratio Lower Upper
152 100
151 20.5 15.9 23.9
153 14.5 10.4 15.6



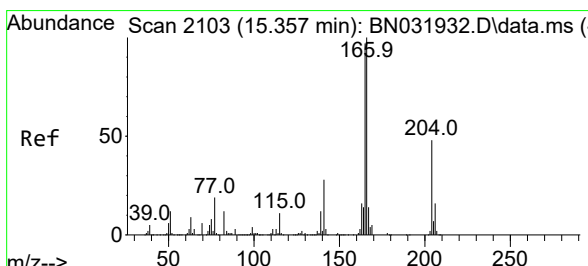
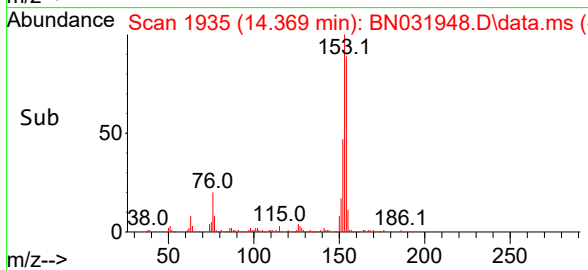
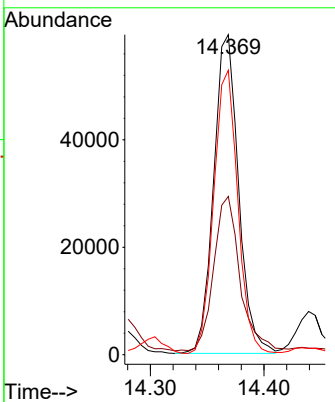
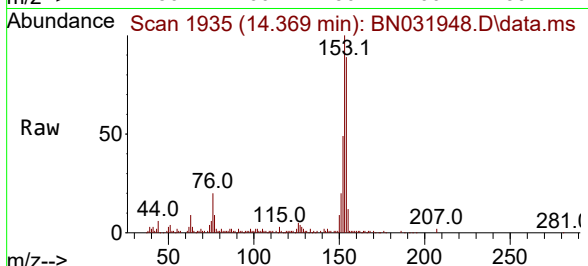


#52
 Acenaphthene
 Concen: 1.173 ng/ul
 RT: 14.369 min Scan# 1935
 Delta R.T. -0.000 min
 Lab File: BN031948.D
 Acq: 12 Jun 2024 19:20

Instrument : BNA_N
 ClientSampleId : BH682

Tgt Ion:153 Resp: 90603

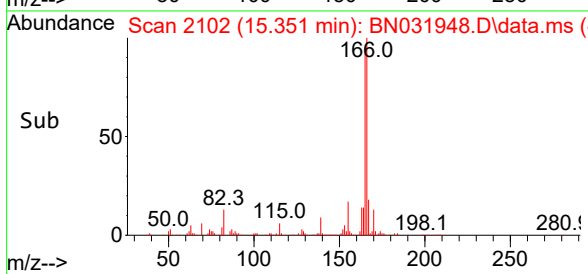
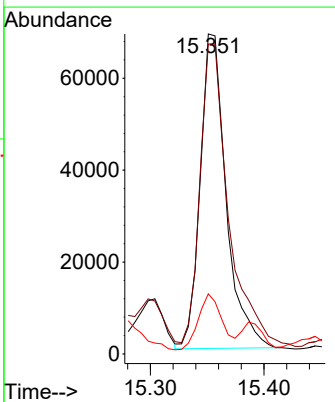
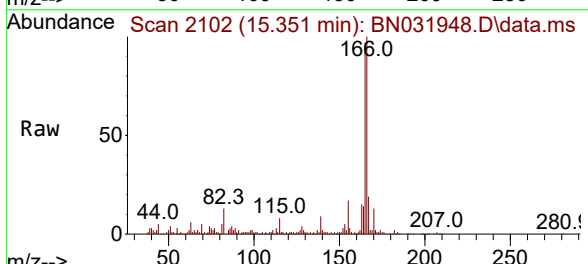
Ion	Ratio	Lower	Upper
153	100		
152	49.4	37.8	56.6
154	88.9	69.8	104.8

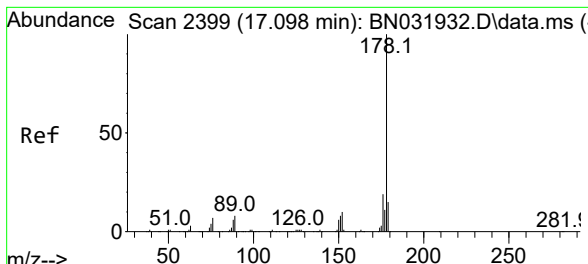


#61
 Fluorene
 Concen: 1.286 ng/ul
 RT: 15.351 min Scan# 2102
 Delta R.T. -0.006 min
 Lab File: BN031948.D
 Acq: 12 Jun 2024 19:20

Tgt Ion:166 Resp: 108669

Ion	Ratio	Lower	Upper
166	100		
165	96.8	80.3	120.5
167	18.8	11.3	16.9



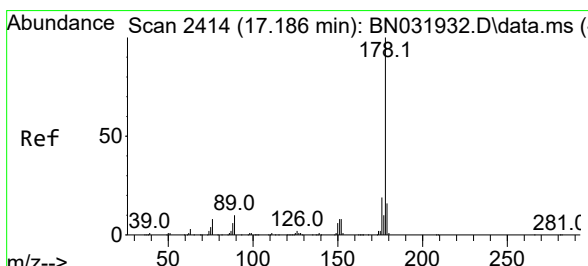
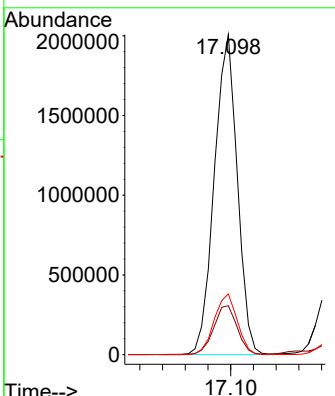
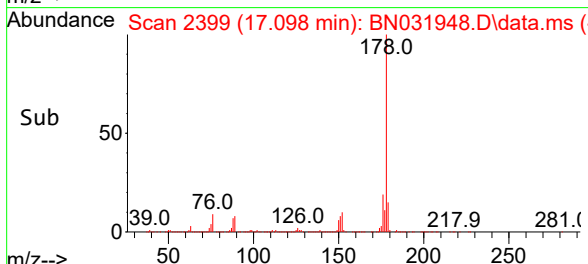
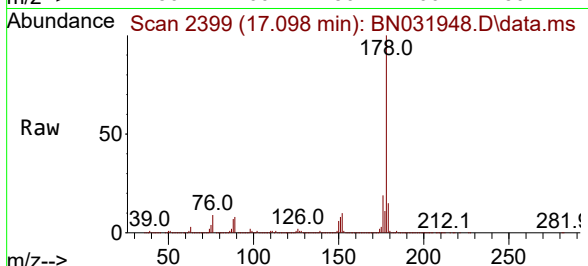


#72
 Phenanthrene
 Concen: 23.021 ng/ul
 RT: 17.098 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BN031948.D
 Acq: 12 Jun 2024 19:20

Instrument :
 BNA_N
 ClientSampleId :
 BH682

Tgt Ion:178 Resp: 2816326

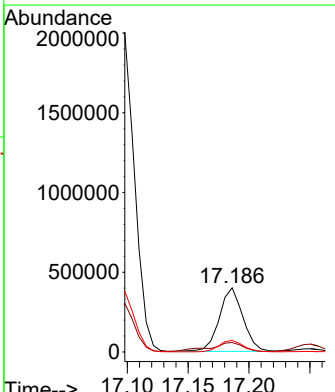
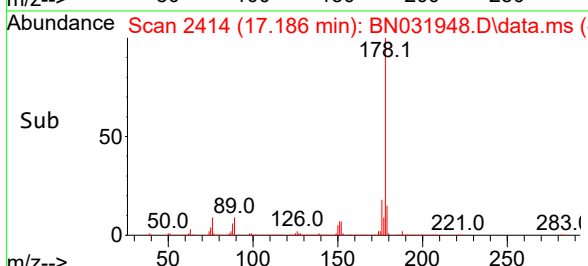
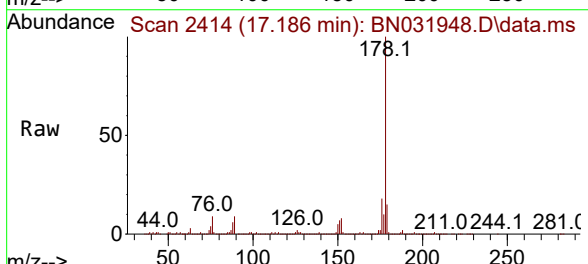
Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.6	19.0
176	19.0	15.8	23.6

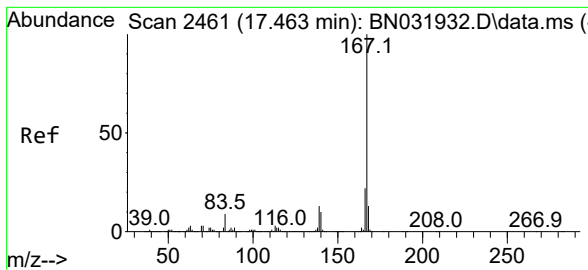


#74
 Anthracene
 Concen: 4.339 ng/ul
 RT: 17.186 min Scan# 2414
 Delta R.T. -0.000 min
 Lab File: BN031948.D
 Acq: 12 Jun 2024 19:20

Tgt Ion:178 Resp: 537895

Ion	Ratio	Lower	Upper
178	100		
179	14.8	11.8	17.6
176	17.9	14.8	22.2





#77

Carbazole

Concen: 2.773 ng/ul

RT: 17.463 min Scan# 2461

Delta R.T. -0.000 min

Lab File: BN031948.D

Acq: 12 Jun 2024 19:20

Instrument :

BNA_N

ClientSampleId :

BH682

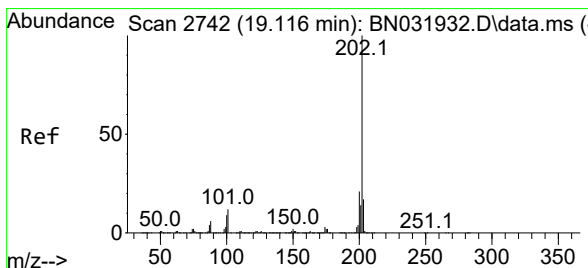
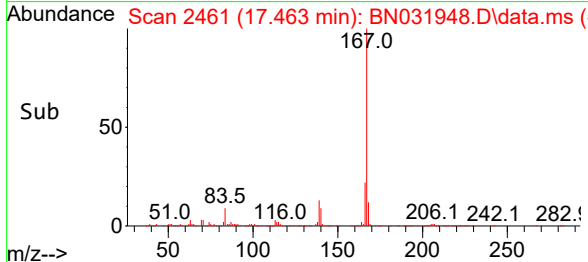
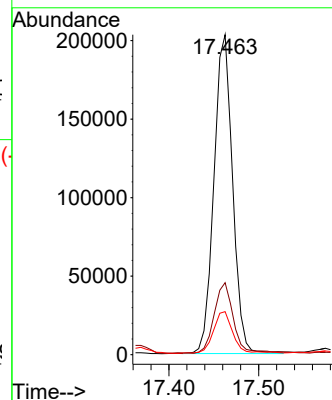
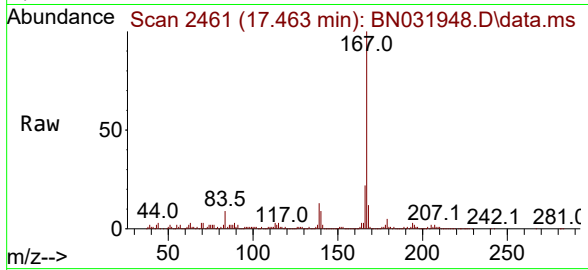
Tgt Ion:167 Resp: 293095

Ion Ratio Lower Upper

167 100

166 22.5 17.9 26.9

139 13.4 10.5 15.7



#80

Fluoranthene

Concen: 61.698 ng/ul

RT: 19.121 min Scan# 2743

Delta R.T. 0.006 min

Lab File: BN031948.D

Acq: 12 Jun 2024 19:20

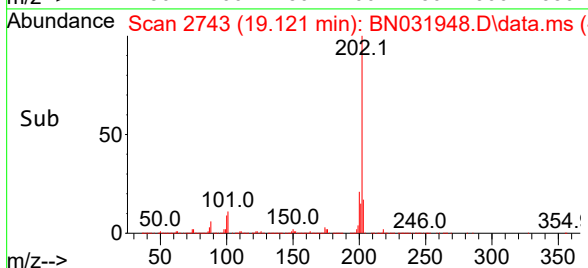
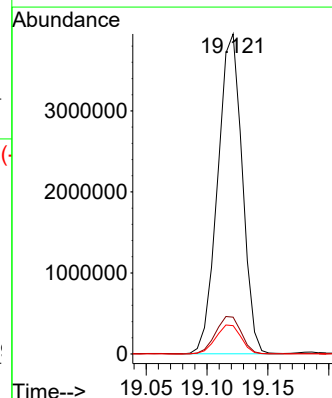
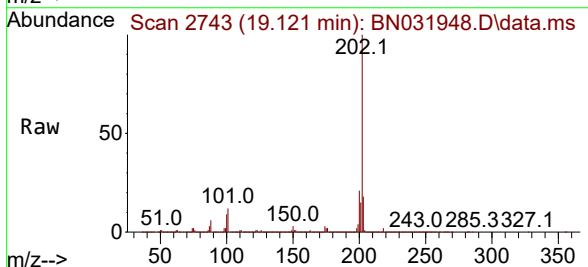
Tgt Ion:202 Resp: 5534187

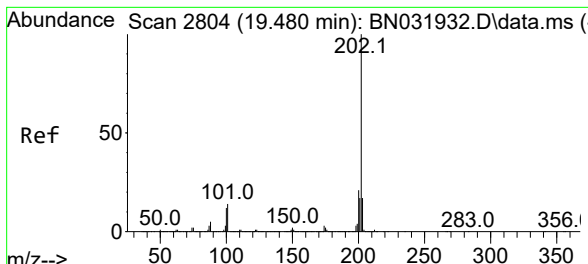
Ion Ratio Lower Upper

202 100

101 11.5 10.3 15.5

100 8.9 8.0 12.0



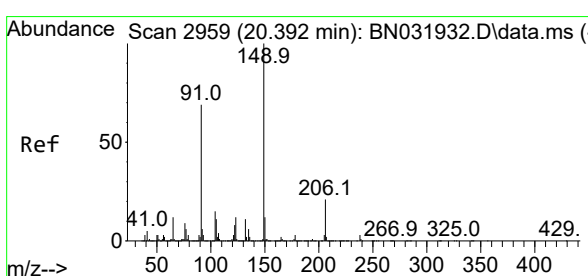
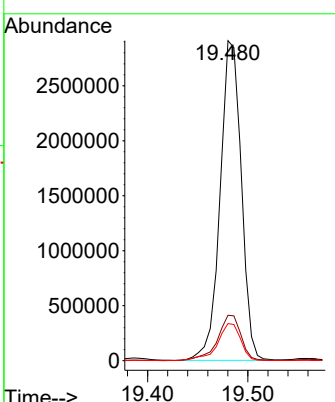
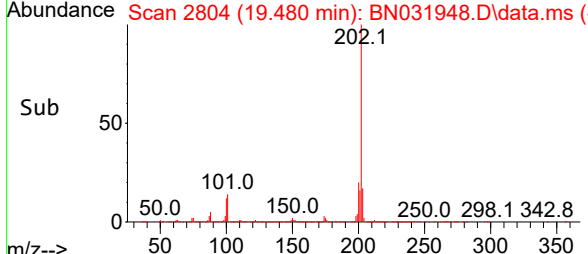
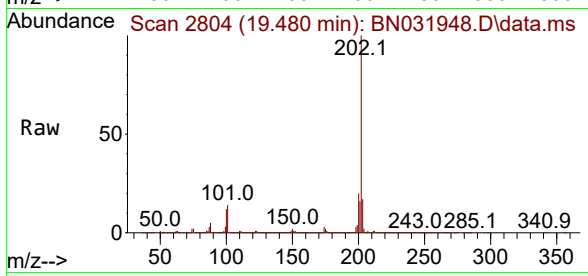


#82
 Pyrene
 Concen: 46.272 ng/ul
 RT: 19.480 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BN031948.D
 Acq: 12 Jun 2024 19:20

Instrument :
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Tgt Ion:202 Resp: 4258404

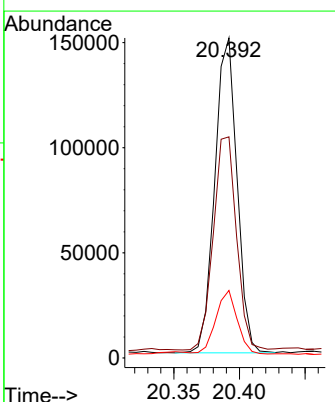
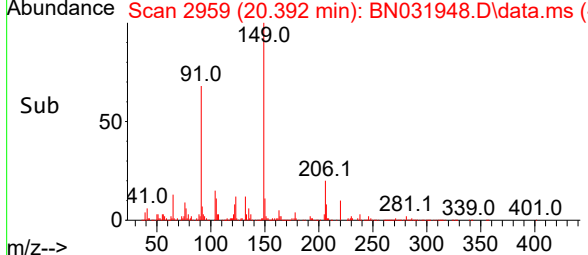
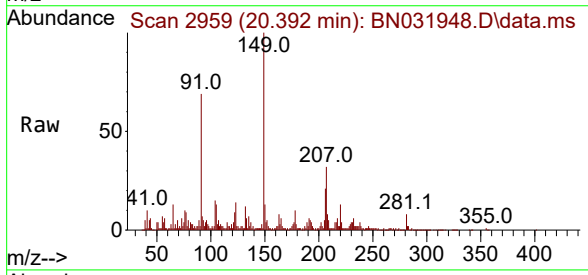
Ion	Ratio	Lower	Upper
202	100		
101	14.2	12.6	18.8
100	11.6	10.2	15.2

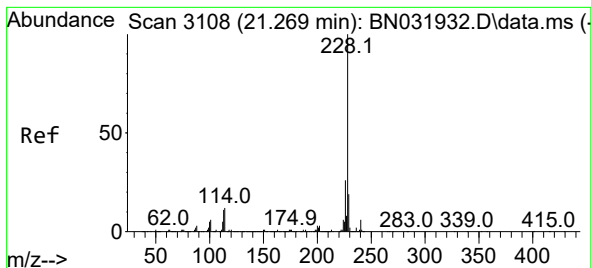


#83
 Butylbenzylphthalate
 Concen: 4.058 ng/ul
 RT: 20.392 min Scan# 2959
 Delta R.T. -0.000 min
 Lab File: BN031948.D
 Acq: 12 Jun 2024 19:20

Tgt Ion:149 Resp: 176383

Ion	Ratio	Lower	Upper
149	100		
91	69.1	61.0	91.4
206	21.1	16.5	24.7





#85

Benzo(a)anthracene

Concen: 26.373 ng/uI

RT: 21.274 min Scan# 3108

Delta R.T. -0.000 min

Lab File: BN031948.D

Acq: 12 Jun 2024 19:20

Instrument :

BNA_N

ClientSampleId :

BH682

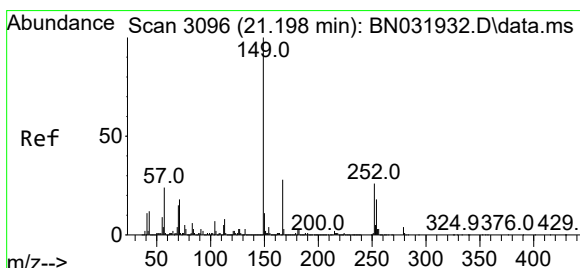
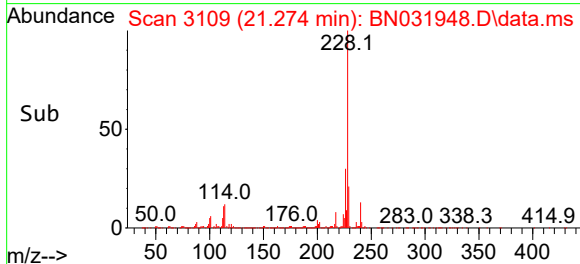
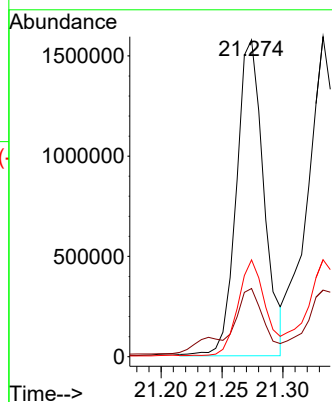
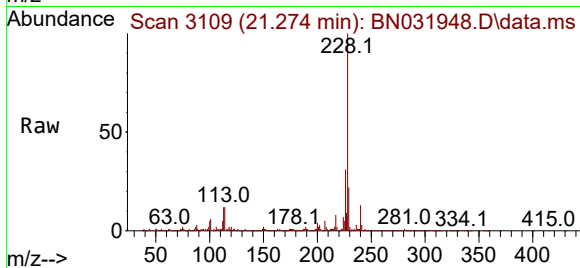
Tgt Ion:228 Resp: 2475881

Ion Ratio Lower Upper

228 100

229 21.5 16.7 25.1

226 30.5 22.8 34.2



#86

Bis(2-ethylhexyl)phthalate

Concen: 7.907 ng/uI

RT: 21.198 min Scan# 3096

Delta R.T. -0.006 min

Lab File: BN031948.D

Acq: 12 Jun 2024 19:20

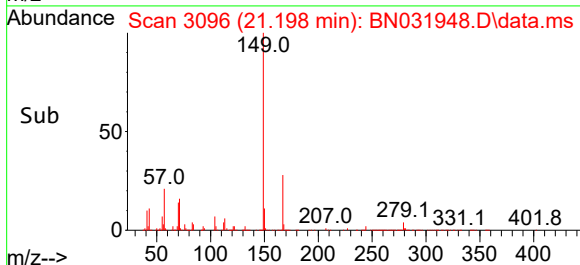
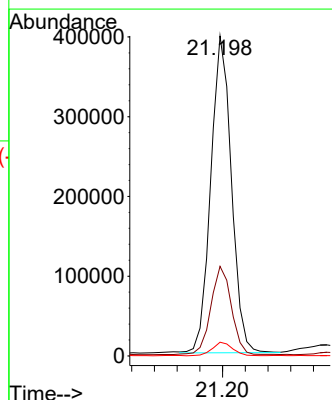
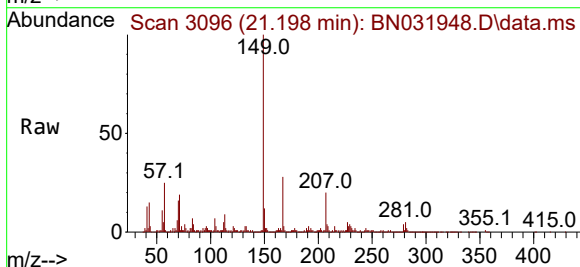
Tgt Ion:149 Resp: 500985

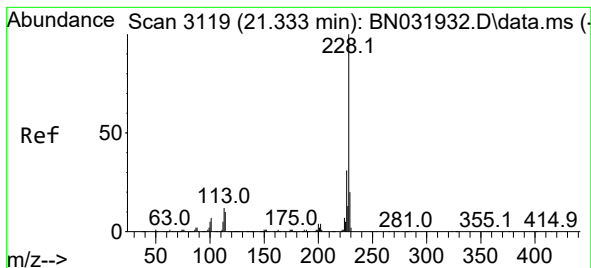
Ion Ratio Lower Upper

149 100

167 28.0 21.4 32.0

279 4.3 3.3 4.9





#87

Chrysene

Concen: 30.046 ng/ul

RT: 21.333 min Scan# 3119

Delta R.T. -0.000 min

Lab File: BN031948.D

Acq: 12 Jun 2024 19:20

Instrument :

BNA_N

ClientSampleId :

BH682

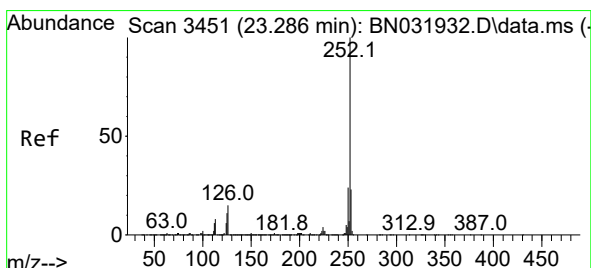
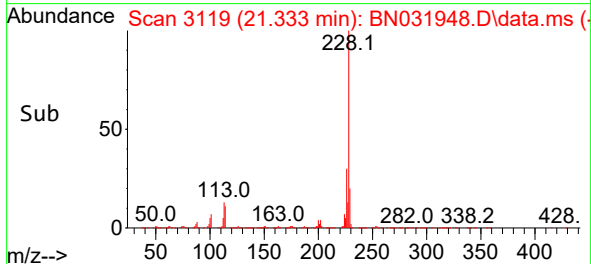
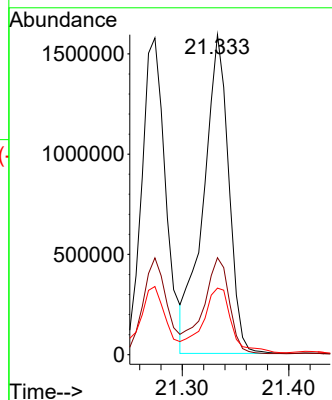
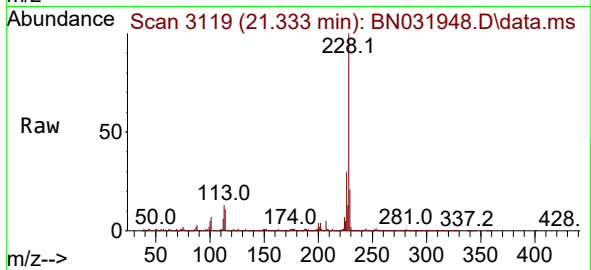
Tgt Ion:228 Resp: 2634731

Ion Ratio Lower Upper

228 100

226 30.3 23.7 35.5

229 20.8 15.1 22.7



#90

Benzo(b)fluoranthene

Concen: 36.266 ng/ul

RT: 23.304 min Scan# 3454

Delta R.T. 0.012 min

Lab File: BN031948.D

Acq: 12 Jun 2024 19:20

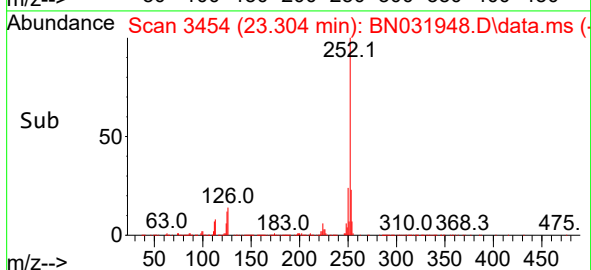
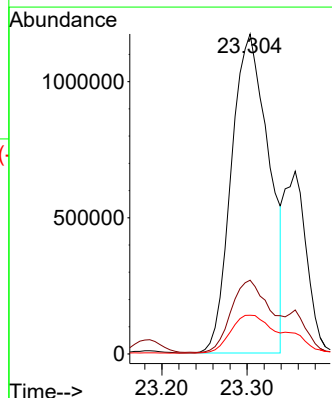
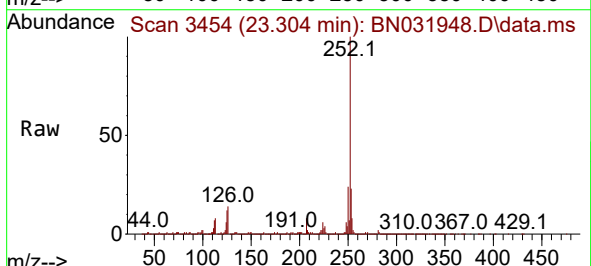
Tgt Ion:252 Resp: 3594243

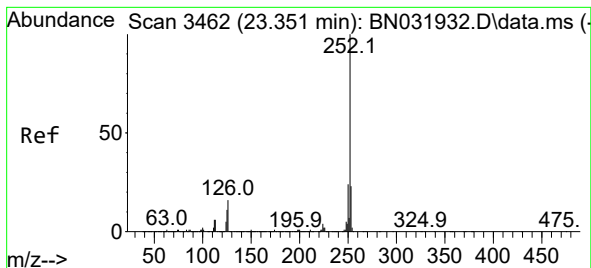
Ion Ratio Lower Upper

252 100

253 23.0 17.0 25.6

125 12.1 9.2 13.8





#91

Benzo(k)fluoranthene

Concen: 36.958 ng/ul

RT: 23.304 min Scan# 34

Delta R.T. -0.047 min

Lab File: BN031948.D

Acq: 12 Jun 2024 19:20

Instrument :

BNA_N

ClientSampleId :

BH682

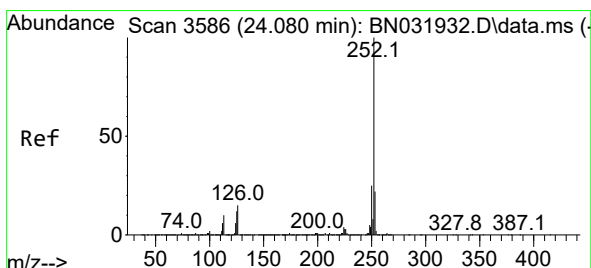
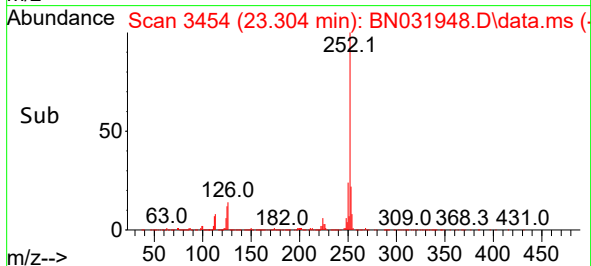
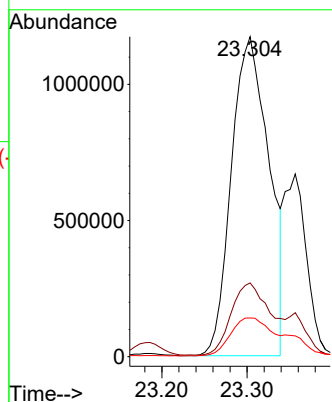
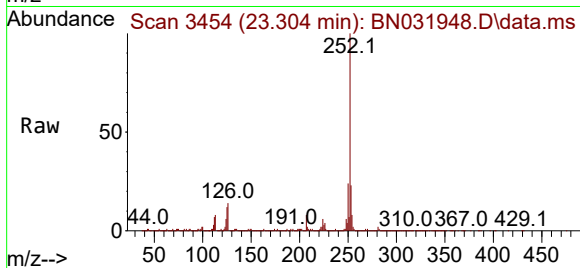
Tgt Ion:252 Resp: 3594243

Ion Ratio Lower Upper

252 100

253 23.0 17.6 26.4

125 12.1 9.4 14.2



#93

Benzo(a)pyrene

Concen: 16.134 ng/ul

RT: 24.086 min Scan# 3587

Delta R.T. 0.006 min

Lab File: BN031948.D

Acq: 12 Jun 2024 19:20

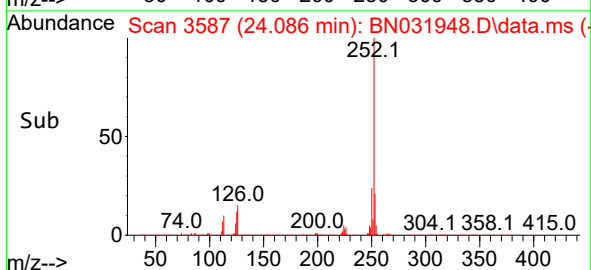
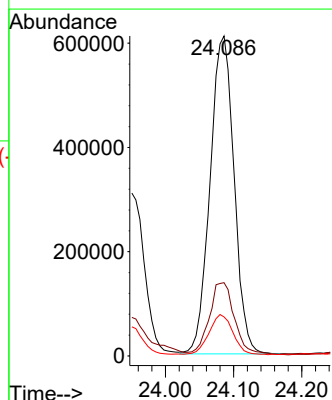
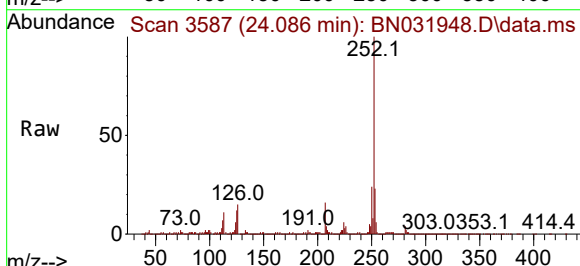
Tgt Ion:252 Resp: 1497569

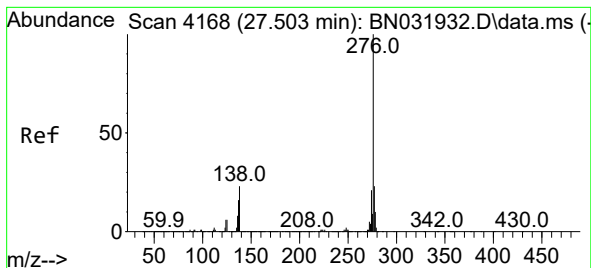
Ion Ratio Lower Upper

252 100

253 22.9 16.6 24.8

125 12.2 9.8 14.8





#94

Indeno(1,2,3-cd)pyrene

Concen: 13.425 ng/ul

RT: 27.509 min Scan# 4168

Delta R.T. -0.006 min

Lab File: BN031948.D

Acq: 12 Jun 2024 19:20

Instrument :

BNA_N

ClientSampleId :

BH682

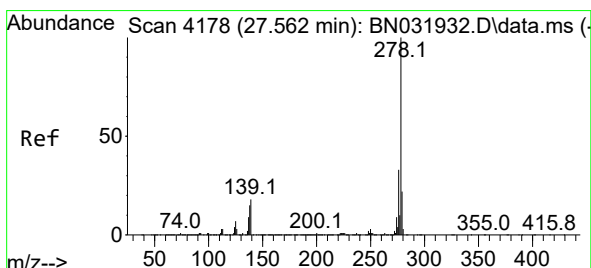
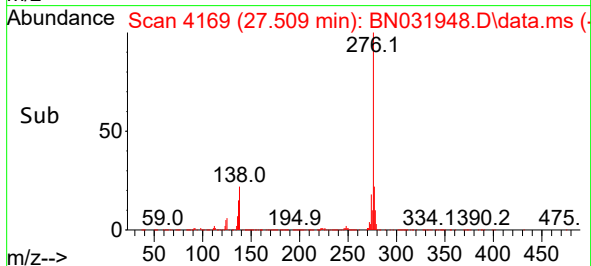
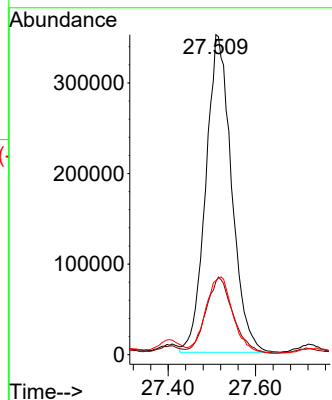
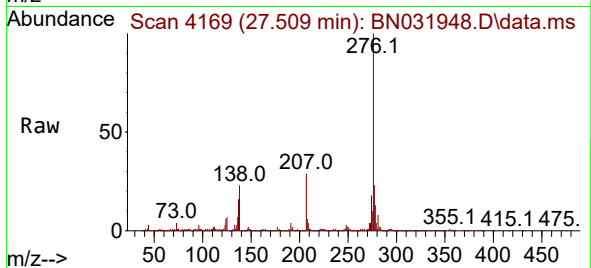
Tgt Ion:276 Resp: 1436030

Ion Ratio Lower Upper

276 100

138 22.8 18.1 27.1

277 23.1 18.2 27.2



#95

Dibenzo(a,h)anthracene

Concen: 2.961 ng/ul

RT: 27.550 min Scan# 4176

Delta R.T. -0.030 min

Lab File: BN031948.D

Acq: 12 Jun 2024 19:20

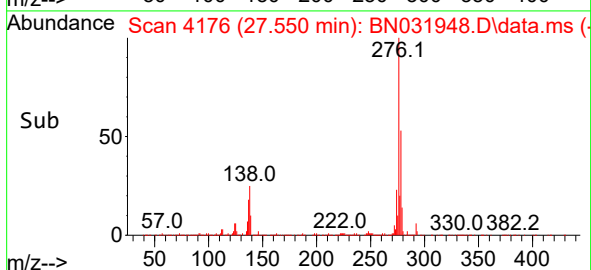
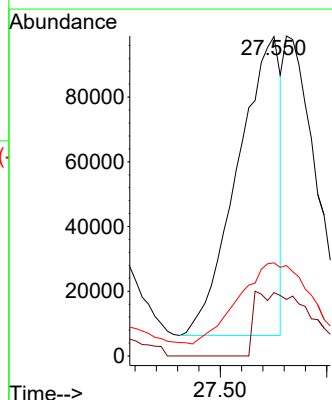
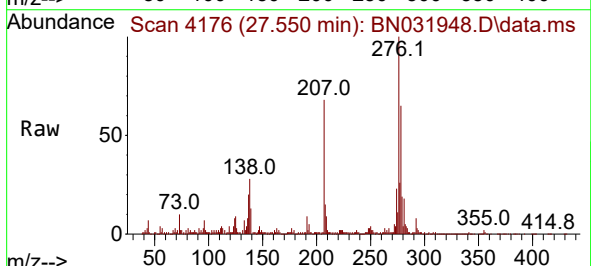
Tgt Ion:278 Resp: 258587

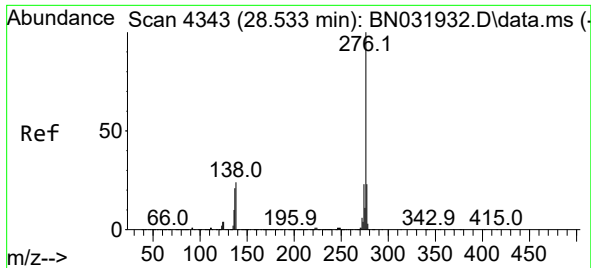
Ion Ratio Lower Upper

278 100

139 19.8 15.0 22.6

279 29.2 17.4 26.0#





#96
 Benzo(g,h,i)perylene
 Concen: 2.207 ng/ul
 RT: 28.539 min Scan# 41
 Delta R.T. -0.006 min
 Lab File: BN031948.D
 Acq: 12 Jun 2024 19:20

Instrument :
 BNA_N
 ClientSampleId :
 BH682

Tgt Ion:276 Resp: 187621
 Ion Ratio Lower Upper
 276 100
 138 27.9 20.9 31.3
 277 25.3 18.0 27.0

