

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN052424\
 Data File : BN031662.D
 Acq On : 24 May 2024 15:39
 Operator : MA/JU
 Sample : P2548-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BH5X9

Quant Time: May 24 22:43:17 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN052124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue May 21 23:42:49 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.687	152	488811	20.000	ng/u1	0.00
20) Naphthalene-d8	10.475	136	1984259	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.328	164	1008998	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.075	188	1571153	20.000	ng/u1	0.00
79) Chrysene-d12	21.304	240	1236131	20.000	ng/u1	0.00
88) Perylene-d12	24.251	264	1557506	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.199	96	23951	1.942	ng/uL	0.00
4) Pyridine-d5	3.605	84	201593	5.858	ng/u1	0.00
7) Phenol-d5	6.852	99	457754	11.376	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.028	67	286218	11.860	ng/u1	0.00
11) 2-Chlorophenol-d4	7.222	132	374603	12.082	ng/u1	0.00
15) 4-Methylphenol-d8	8.387	113	293915	9.435	ng/u1	0.00
21) Nitrobenzene-d5	8.840	128	175931	11.715	ng/u1	0.00
24) 2-Nitrophenol-d4	9.557	143	162635	11.341	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.087	165	311611	11.114	ng/u1	0.00
31) 4-Chloroaniline-d4	10.610	131	240302	5.945	ng/u1	0.00
46) Dimethylphthalate-d6	13.740	166	817461	12.856	ng/u1	0.00
49) Acenaphthylene-d8	14.016	160	1012476	12.704	ng/u1	0.00
54) 4-Nitrophenol-d4	14.522	143	71345	5.930	ng/u1	0.00
60) Fluorene-d10	15.322	176	653633	11.861	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.440	200	32899	4.843	ng/u1	0.00
73) Anthracene-d10	17.169	188	834428	12.546	ng/u1	0.00
81) Pyrene-d10	19.469	212	881165	11.365	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.045	264	940310	12.826	ng/u1	0.00
Target Compounds						
					Qvalue	
30) Naphthalene	10.522	128	548767	5.374	ng/u1	99
36) 2-Methylnaphthalene	12.140	142	152353	2.280	ng/u1	100
37) 1-Methylnaphthalene	12.357	142	107413	1.624	ng/u1#	96
50) Acenaphthylene	14.046	152	138209	1.502	ng/u1	98
52) Acenaphthene	14.387	153	490272	8.225	ng/u1	91
56) Dibenzofuran	14.728	168	436548	5.486	ng/u1	96
61) Fluorene	15.375	166	476689	7.647	ng/u1	97
72) Phenanthrene	17.116	178	6952003	87.188	ng/u1	99
74) Anthracene	17.204	178	1432034	17.901	ng/u1	99
77) Carbazole	17.475	167	969317	14.199	ng/u1	100
80) Fluoranthene	19.133	202	8491652	88.602	ng/u1	99
82) Pyrene	19.498	202	7190074	73.154	ng/u1	97
83) Butylbenzylphthalate	20.404	149	129551	3.884	ng/u1	95
85) Benzo(a)anthracene	21.292	228	4192613	50.438	ng/u1	99
86) Bis(2-ethylhexyl)phtha...	21.222	149	93156	2.040	ng/u1	99
87) Chrysene	21.351	228	4261145	55.496	ng/u1	97
90) Benzo(b)fluoranthene	23.316	252	6222976	68.468	ng/u1	98
91) Benzo(k)fluoranthene	23.374	252	1323460	14.285	ng/u1	96
93) Benzo(a)pyrene	24.110	252	3972718	45.503	ng/u1	96
94) Indeno(1,2,3-cd)pyrene	27.545	276	2721818	25.976	ng/u1	98
95) Dibenzo(a,h)anthracene	27.592	278	459764	5.328	ng/u1	95
96) Benzo(g,h,i)perylene	28.586	276	2536634	29.301	ng/u1	98

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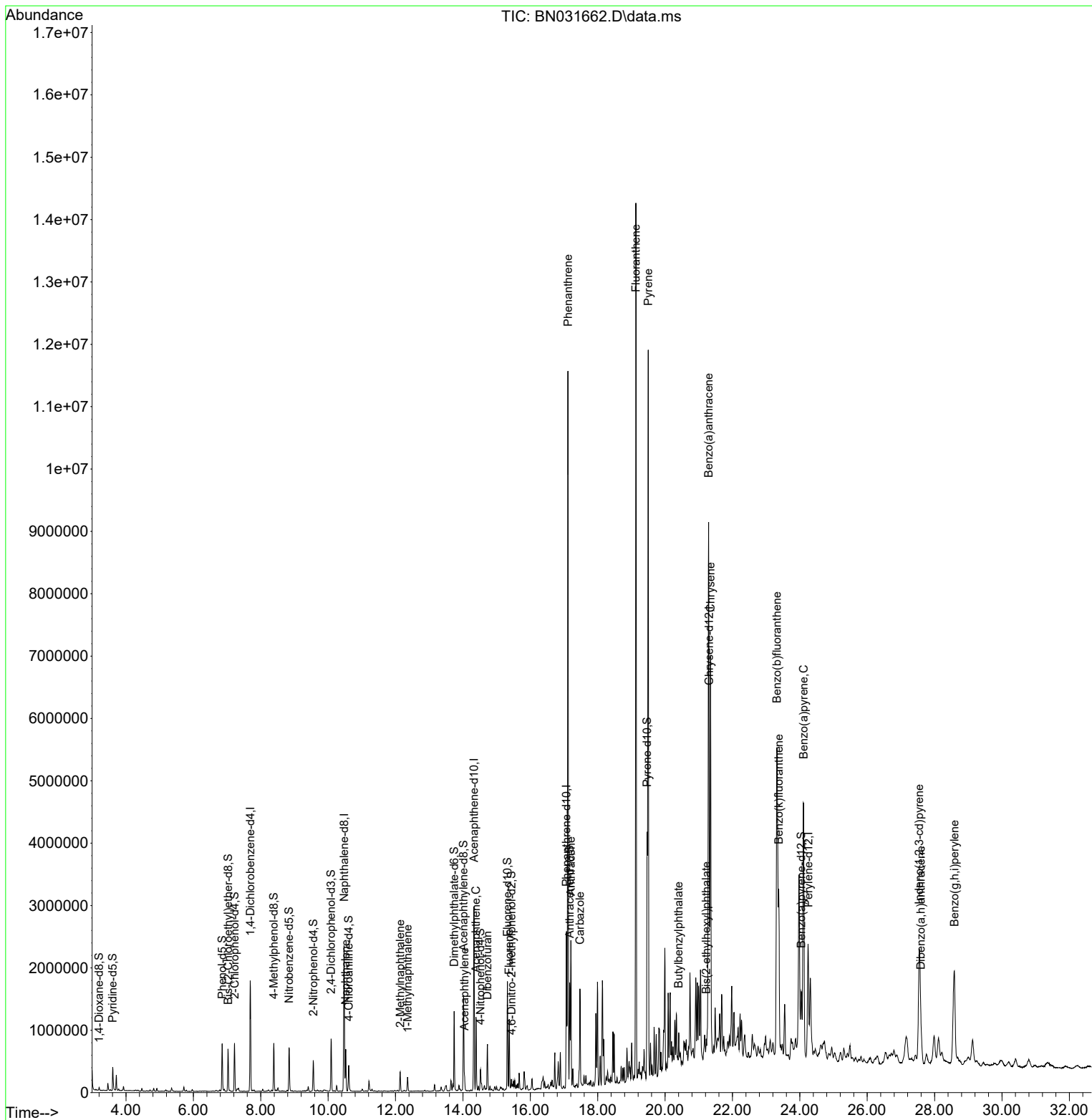
Instrument :
BNA_N
ClientSampleId :
BH5X9

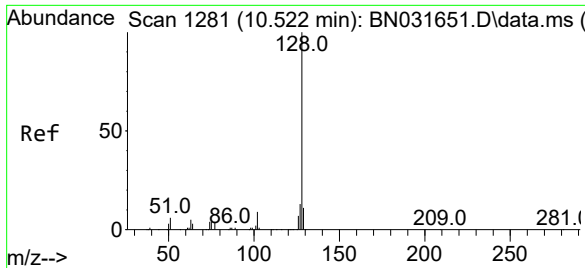
Quant Time: May 24 22:43:17 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN052124.MA.M
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

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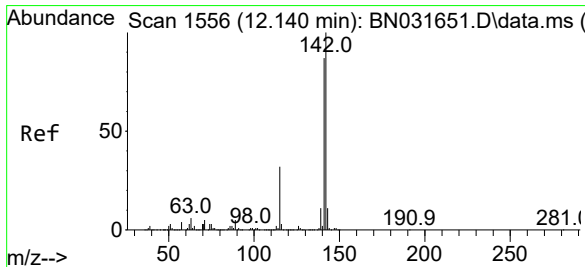
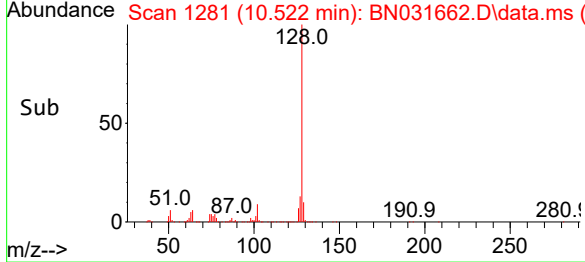
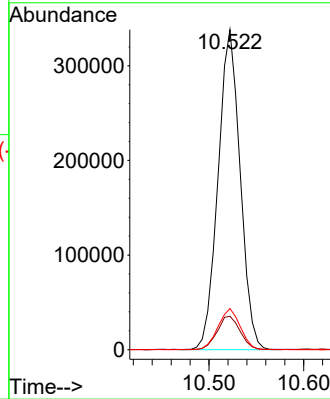
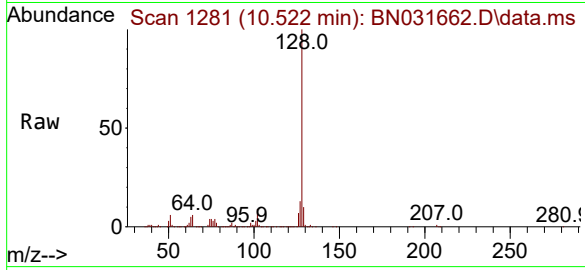




#30
Naphthalene
Concen: 5.374 ng/ul
RT: 10.522 min Scan# 1281
Delta R.T. -0.006 min
Lab File: BN031662.D
Acq: 24 May 2024 15:39

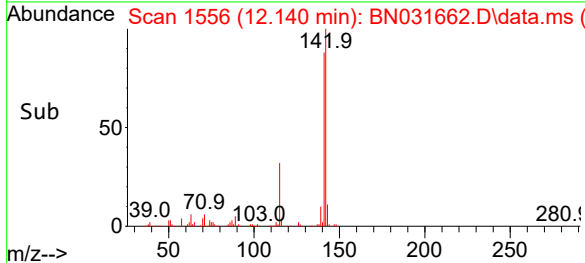
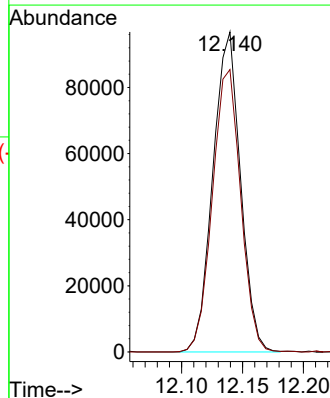
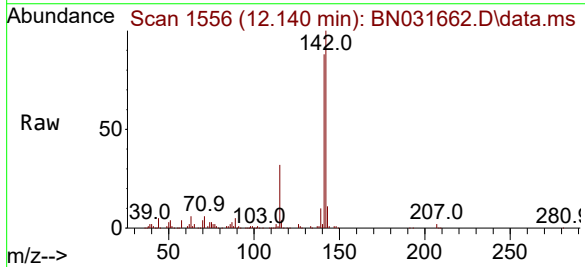
Instrument :
BNA_N
ClientSampleId :
BH5X9

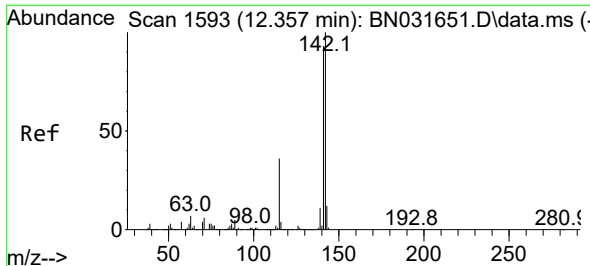
Tgt Ion:128 Resp: 548767
Ion Ratio Lower Upper
128 100
129 10.4 8.8 13.2
127 12.9 10.2 15.2



#36
2-Methylnaphthalene
Concen: 2.280 ng/ul
RT: 12.140 min Scan# 1556
Delta R.T. 0.000 min
Lab File: BN031662.D
Acq: 24 May 2024 15:39

Tgt Ion:142 Resp: 152353
Ion Ratio Lower Upper
142 100
141 88.2 70.5 105.7





#37

1-Methylnaphthalene

Concen: 1.624 ng/ul

RT: 12.357 min Scan# 1593

Delta R.T. -0.006 min

Lab File: BN031662.D

Acq: 24 May 2024 15:39

Instrument :

BNA_N

ClientSampleId :

BH5X9

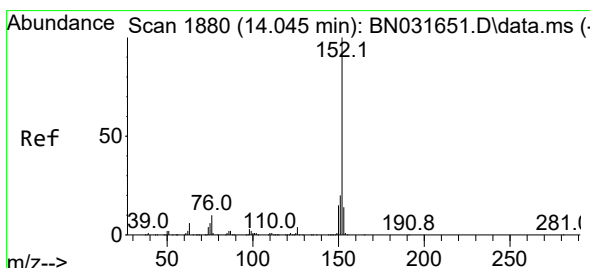
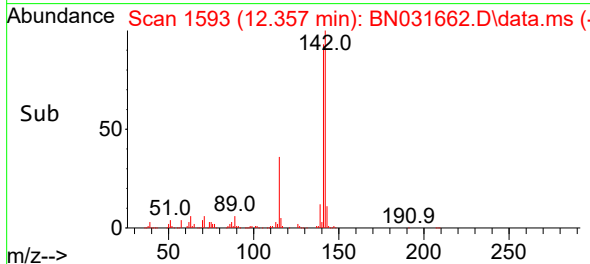
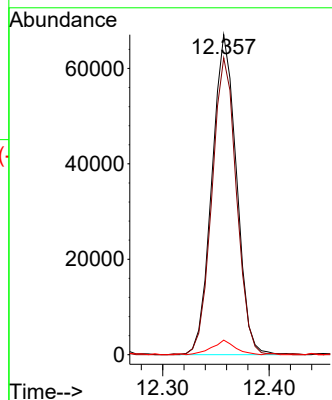
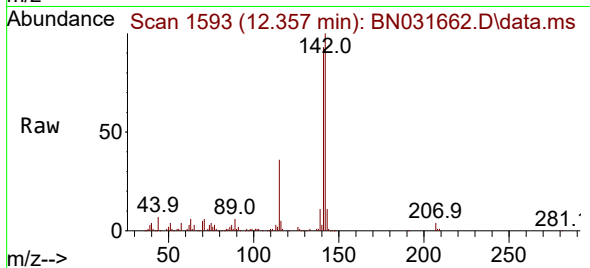
Tgt Ion:142 Resp: 107413

Ion Ratio Lower Upper

142 100

141 92.8 77.0 115.6

116 4.6 3.0 4.6#



#50

Acenaphthylene

Concen: 1.502 ng/ul

RT: 14.046 min Scan# 1880

Delta R.T. -0.006 min

Lab File: BN031662.D

Acq: 24 May 2024 15:39

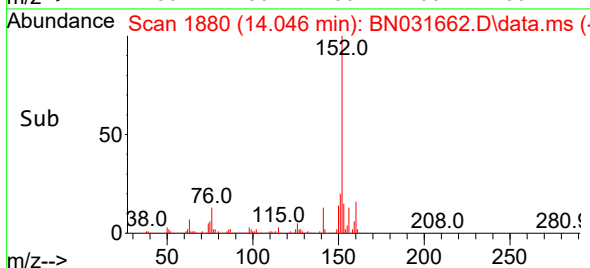
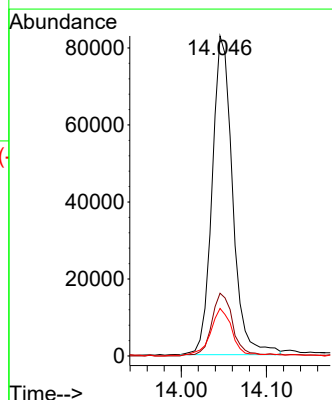
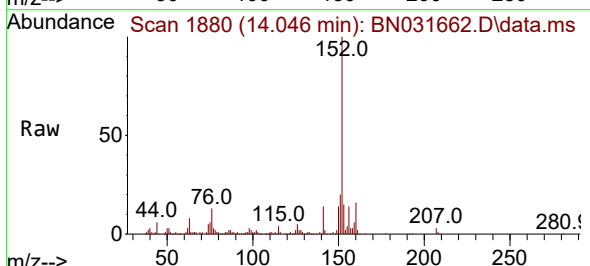
Tgt Ion:152 Resp: 138209

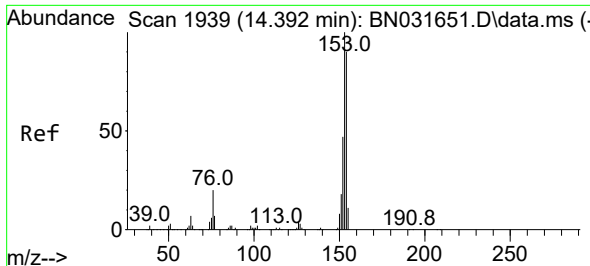
Ion Ratio Lower Upper

152 100

151 19.6 15.6 23.4

153 14.9 10.8 16.2

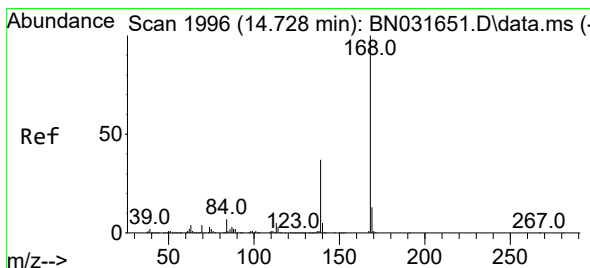
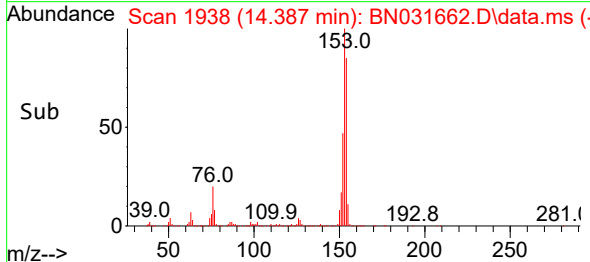
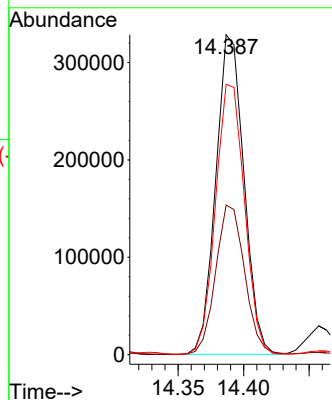
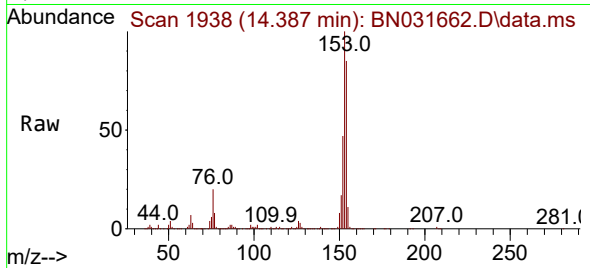




#52
Acenaphthene
Concen: 8.225 ng/ul
RT: 14.387 min Scan# 1938
Delta R.T. -0.006 min
Lab File: BN031662.D
Acq: 24 May 2024 15:39

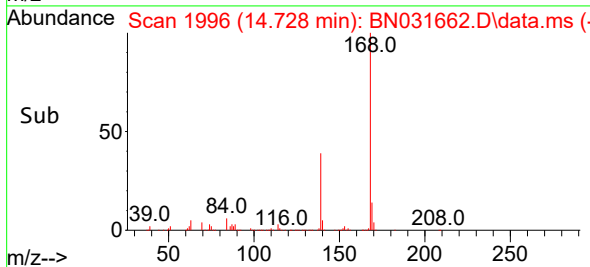
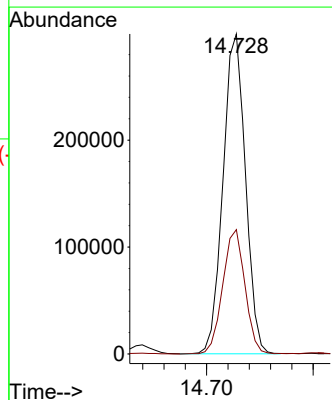
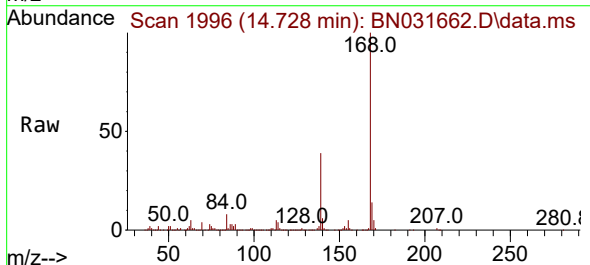
Instrument :
BNA_N
ClientSampleId :
BH5X9

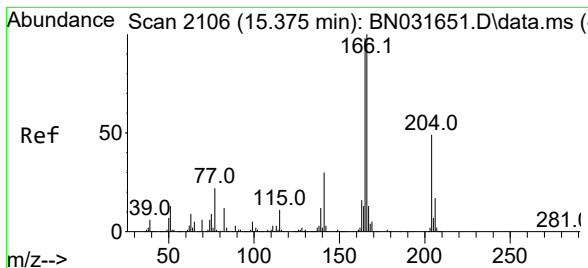
Tgt Ion:153 Resp: 490272
Ion Ratio Lower Upper
153 100
152 46.8 40.5 60.7
154 84.5 76.6 114.8



#56
Dibenzofuran
Concen: 5.486 ng/ul
RT: 14.728 min Scan# 1996
Delta R.T. 0.000 min
Lab File: BN031662.D
Acq: 24 May 2024 15:39

Tgt Ion:168 Resp: 436548
Ion Ratio Lower Upper
168 100
139 38.9 29.2 43.8

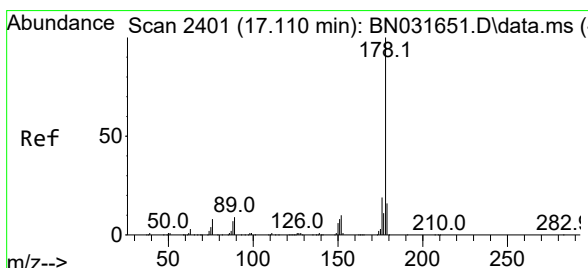
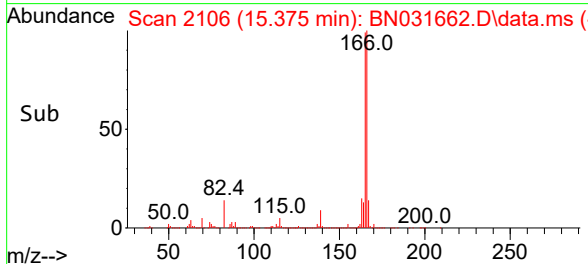
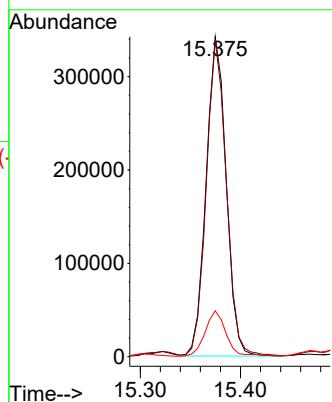
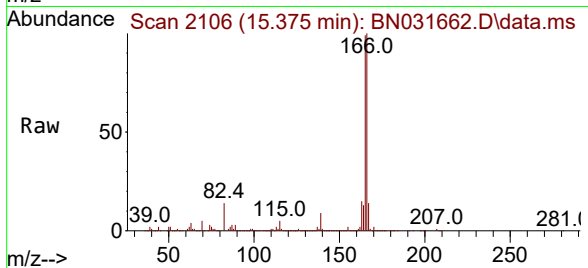




#61
Fluorene
Concen: 7.647 ng/ul
RT: 15.375 min Scan# 2106
Delta R.T. -0.006 min
Lab File: BN031662.D
Acq: 24 May 2024 15:39

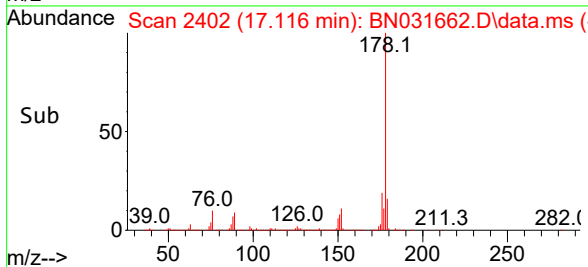
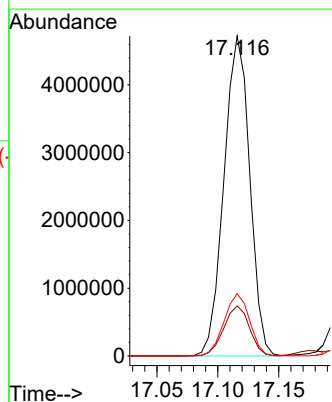
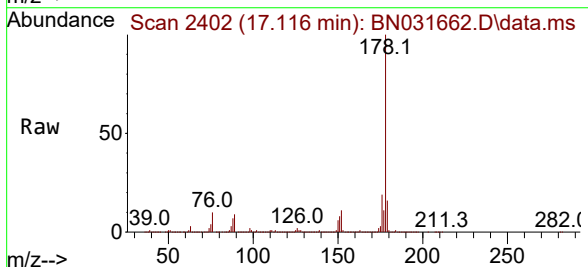
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BNA_N
ClientSampleId :
BH5X9

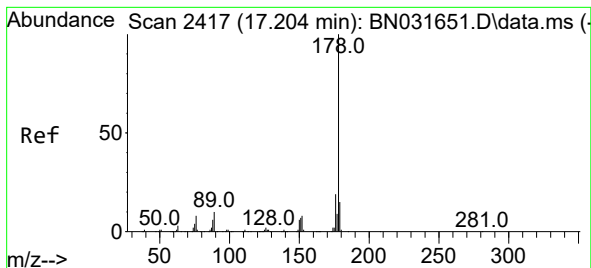
Tgt Ion:166 Resp: 476689
Ion Ratio Lower Upper
166 100
165 98.8 77.0 115.6
167 14.4 10.9 16.3



#72
Phenanthrene
Concen: 87.188 ng/ul
RT: 17.116 min Scan# 2402
Delta R.T. 0.000 min
Lab File: BN031662.D
Acq: 24 May 2024 15:39

Tgt Ion:178 Resp: 6952003
Ion Ratio Lower Upper
178 100
179 15.7 12.6 18.8
176 19.5 15.2 22.8





#74

Anthracene

Concen: 17.901 ng/ul

RT: 17.204 min Scan# 2417

Delta R.T. 0.000 min

Lab File: BN031662.D

Acq: 24 May 2024 15:39

Instrument :

BNA_N

ClientSampleId :

BH5X9

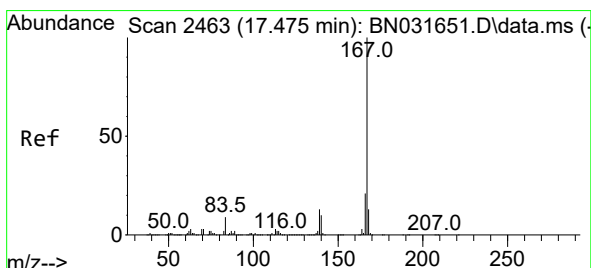
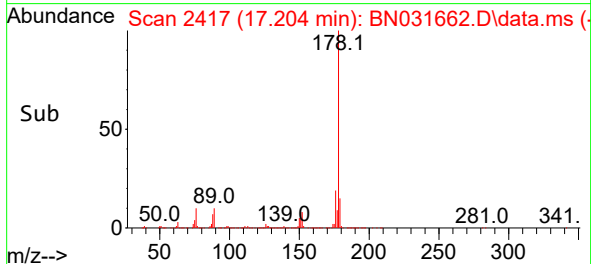
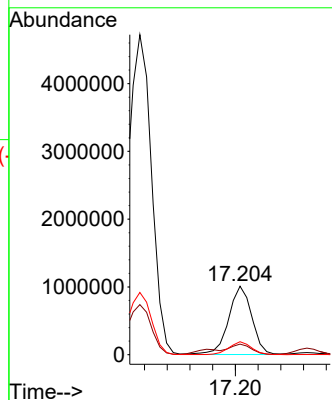
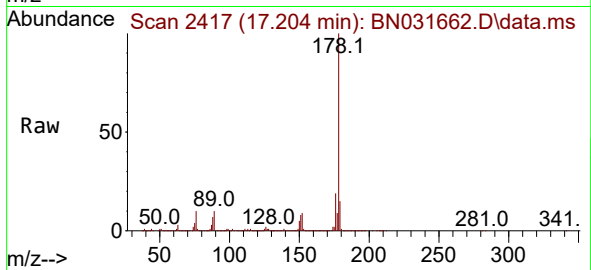
Tgt Ion:178 Resp: 1432034

Ion Ratio Lower Upper

178 100

179 15.3 11.9 17.9

176 18.9 15.4 23.2



#77

Carbazole

Concen: 14.199 ng/ul

RT: 17.475 min Scan# 2463

Delta R.T. 0.000 min

Lab File: BN031662.D

Acq: 24 May 2024 15:39

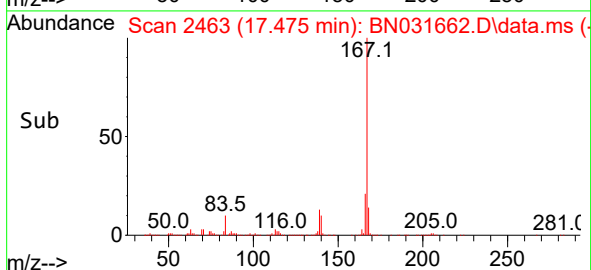
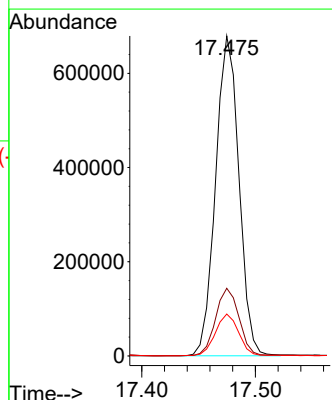
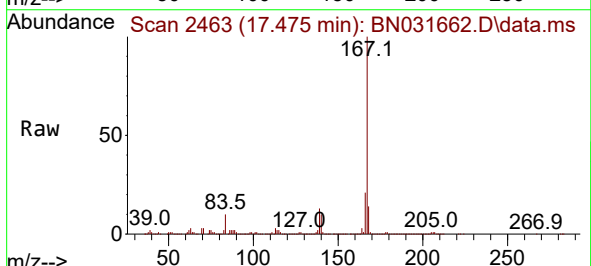
Tgt Ion:167 Resp: 969317

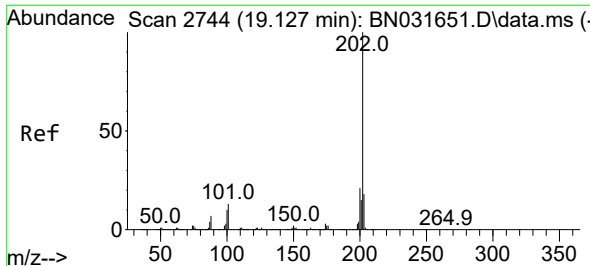
Ion Ratio Lower Upper

167 100

166 21.2 16.7 25.1

139 13.1 10.5 15.7

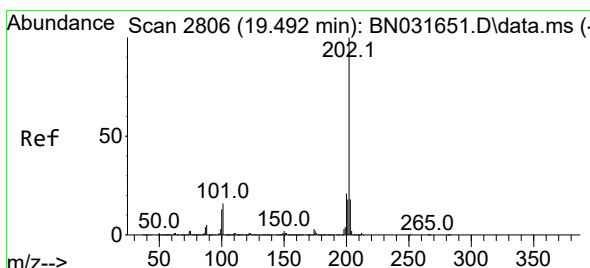
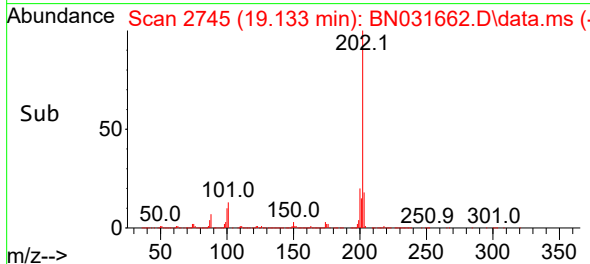
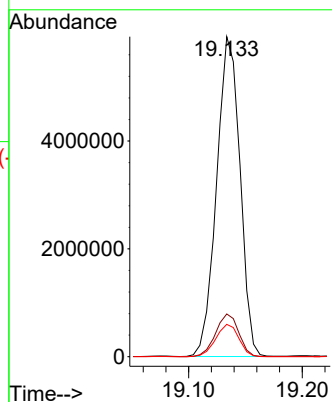
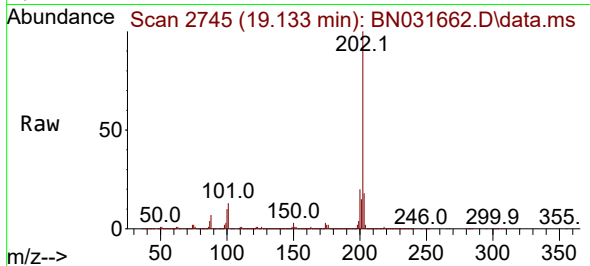




#80
Fluoranthene
Concen: 88.602 ng/uI
RT: 19.133 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN031662.D
Acq: 24 May 2024 15:39

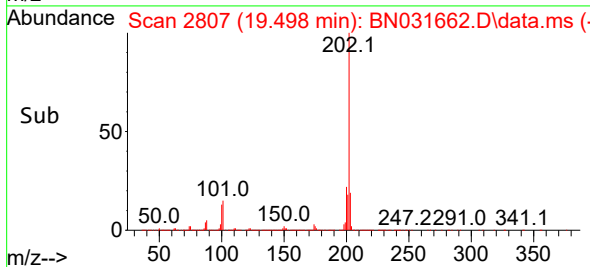
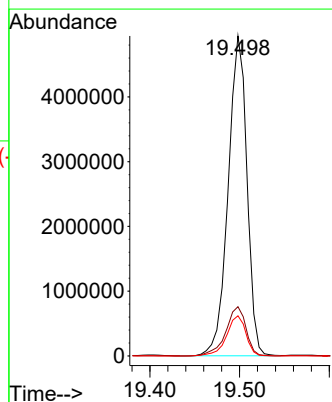
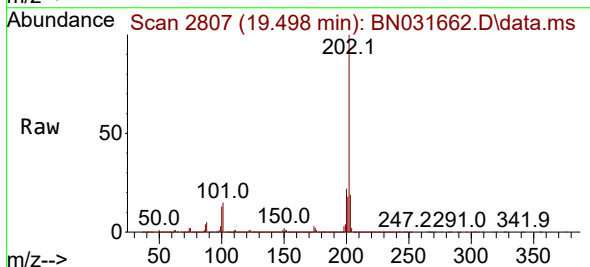
Instrument :
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ClientSampleId :
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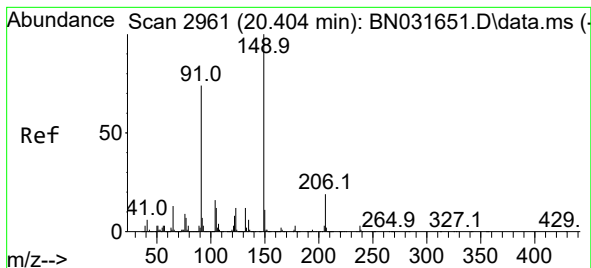
Tgt Ion:202 Resp: 8491652
Ion Ratio Lower Upper
202 100
101 13.4 10.1 15.1
100 10.1 8.0 12.0



#82
Pyrene
Concen: 73.154 ng/uI
RT: 19.498 min Scan# 2807
Delta R.T. 0.000 min
Lab File: BN031662.D
Acq: 24 May 2024 15:39

Tgt Ion:202 Resp: 7190074
Ion Ratio Lower Upper
202 100
101 15.4 11.4 17.2
100 12.6 9.3 13.9





#83

Butylbenzylphthalate

Concen: 3.884 ng/ul

RT: 20.404 min Scan# 2961

Delta R.T. -0.006 min

Lab File: BN031662.D

Acq: 24 May 2024 15:39

Instrument :

BNA_N

ClientSampleId :

BH5X9

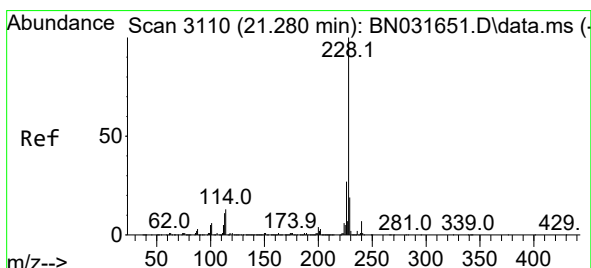
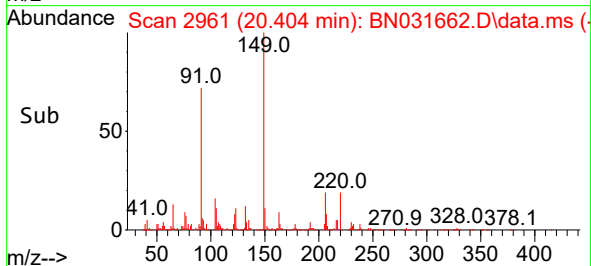
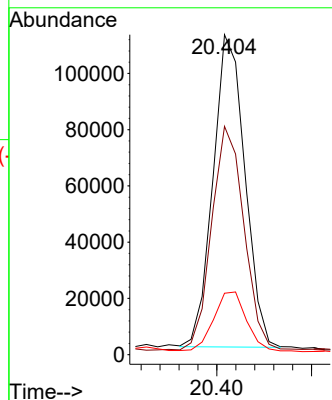
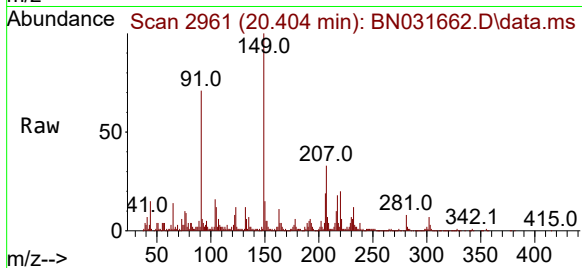
Tgt Ion:149 Resp: 129551

Ion Ratio Lower Upper

149 100

91 71.3 60.8 91.2

206 19.2 15.8 23.8



#85

Benzo(a)anthracene

Concen: 50.438 ng/ul

RT: 21.292 min Scan# 3112

Delta R.T. 0.006 min

Lab File: BN031662.D

Acq: 24 May 2024 15:39

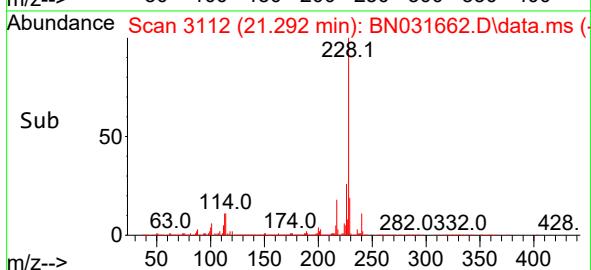
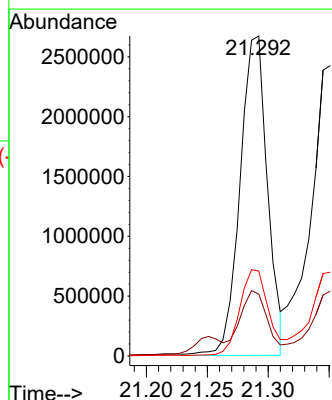
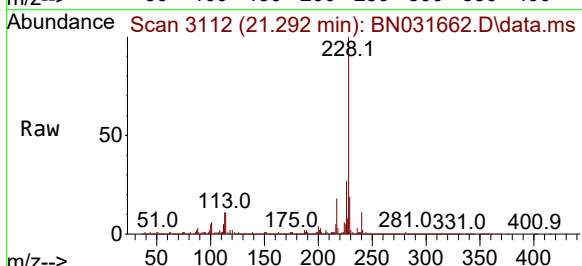
Tgt Ion:228 Resp: 4192613

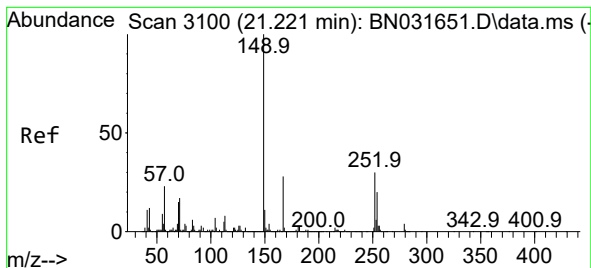
Ion Ratio Lower Upper

228 100

229 19.4 15.7 23.5

226 26.5 21.9 32.9

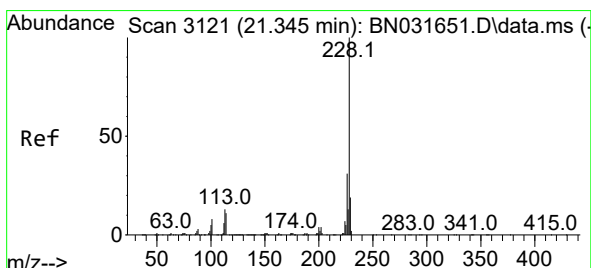
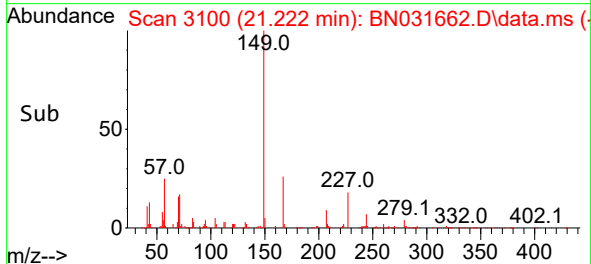
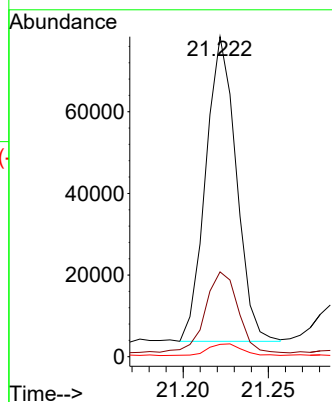
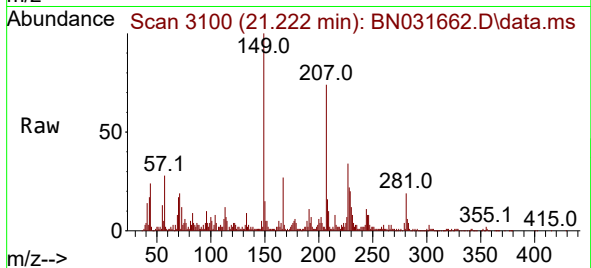




#86
 Bis(2-ethylhexyl)phthalate
 Concen: 2.040 ng/ul
 RT: 21.222 min Scan# 3100
 Delta R.T. 0.000 min
 Lab File: BN031662.D
 Acq: 24 May 2024 15:39

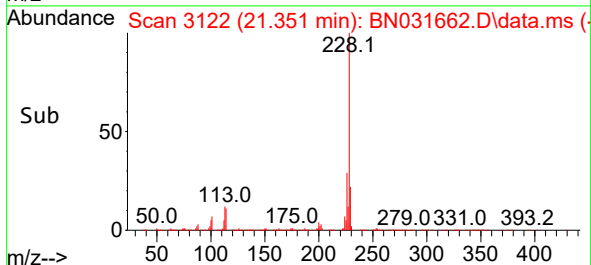
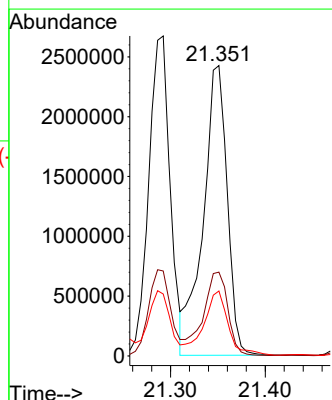
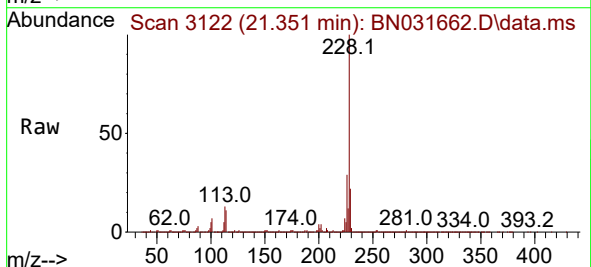
Instrument :
 BNA_N
 ClientSampleId :
 BH5X9

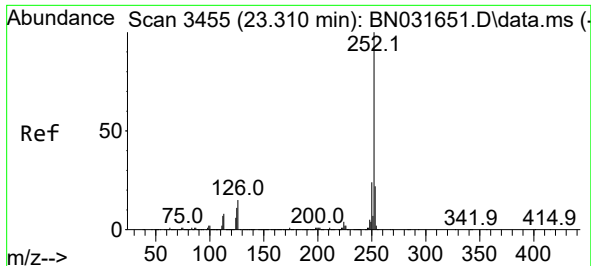
Tgt Ion:149 Resp: 93156
 Ion Ratio Lower Upper
 149 100
 167 26.5 21.6 32.4
 279 3.8 2.8 4.2



#87
 Chrysene
 Concen: 55.496 ng/ul
 RT: 21.351 min Scan# 3122
 Delta R.T. 0.006 min
 Lab File: BN031662.D
 Acq: 24 May 2024 15:39

Tgt Ion:228 Resp: 4261145
 Ion Ratio Lower Upper
 228 100
 226 28.9 22.9 34.3
 229 22.4 15.2 22.8

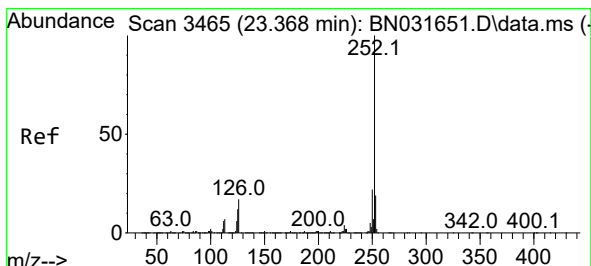
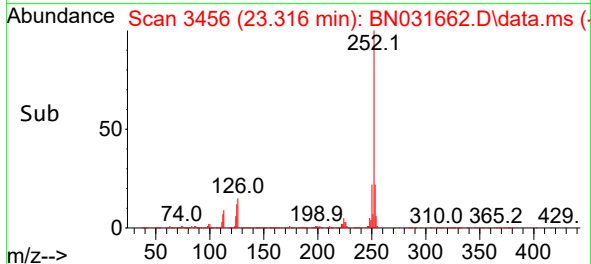
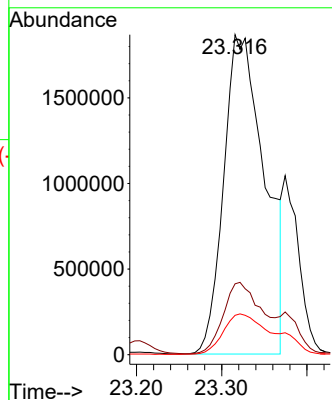
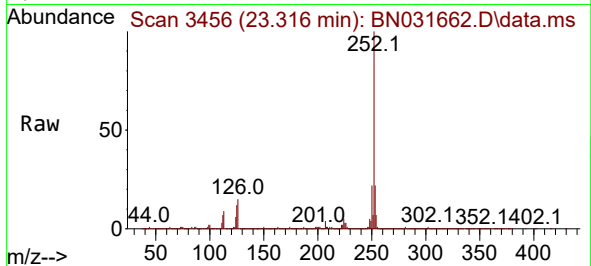




#90
Benzo(b)fluoranthene
Concen: 68.468 ng/ul
RT: 23.316 min Scan# 3455
Delta R.T. 0.006 min
Lab File: BN031662.D
Acq: 24 May 2024 15:39

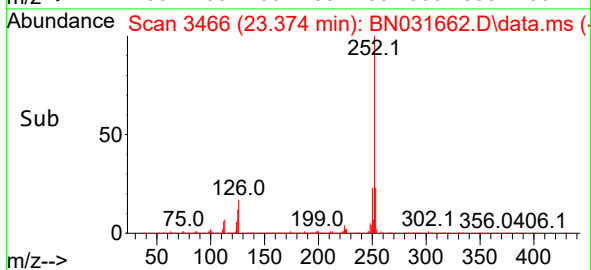
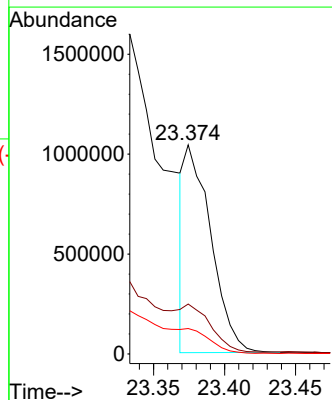
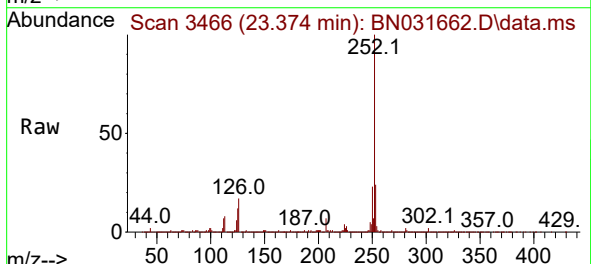
Instrument :
BNA_N
ClientSampleId :
BH5X9

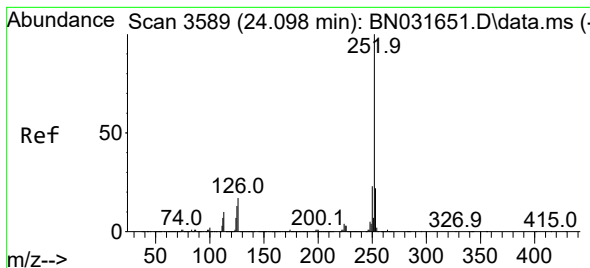
Tgt Ion:252 Resp: 6222976
Ion Ratio Lower Upper
252 100
253 22.2 16.8 25.2
125 12.3 9.3 13.9



#91
Benzo(k)fluoranthene
Concen: 14.285 ng/ul
RT: 23.374 min Scan# 3466
Delta R.T. 0.006 min
Lab File: BN031662.D
Acq: 24 May 2024 15:39

Tgt Ion:252 Resp: 1323460
Ion Ratio Lower Upper
252 100
253 23.9 17.4 26.0
125 12.2 9.3 13.9





#93

Benzo(a)pyrene

Concen: 45.503 ng/ul

RT: 24.110 min Scan# 3

Delta R.T. 0.006 min

Lab File: BN031662.D

Acq: 24 May 2024 15:39

Instrument :

BNA_N

ClientSampleId :

BH5X9

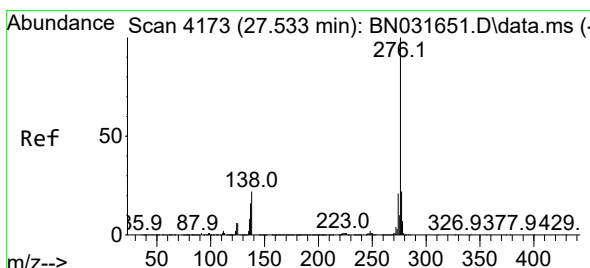
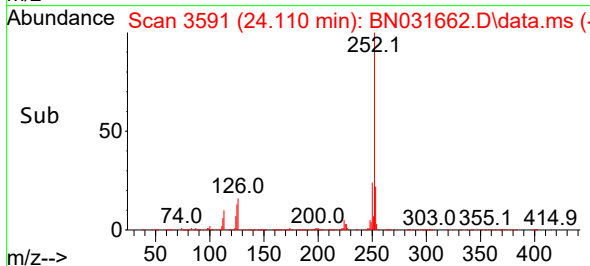
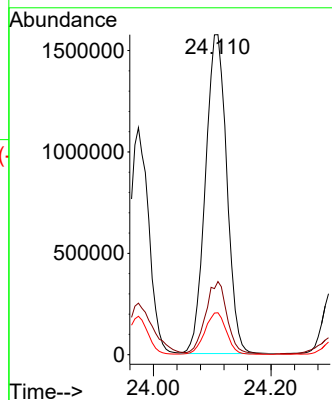
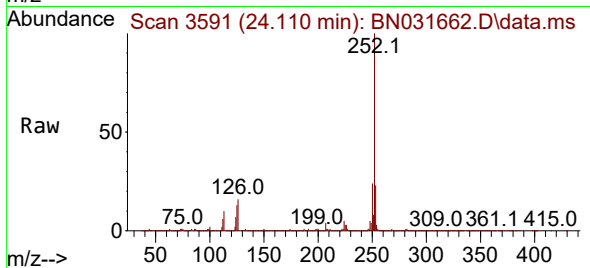
Tgt Ion:252 Resp: 3972718

Ion Ratio Lower Upper

252 100

253 22.9 16.6 24.8

125 13.1 9.8 14.8



#94

Indeno(1,2,3-cd)pyrene

Concen: 25.976 ng/ul

RT: 27.545 min Scan# 4175

Delta R.T. 0.012 min

Lab File: BN031662.D

Acq: 24 May 2024 15:39

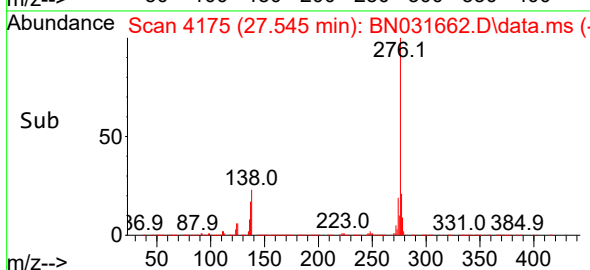
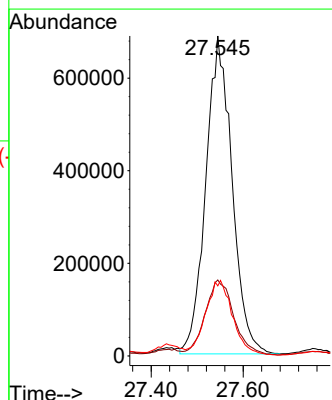
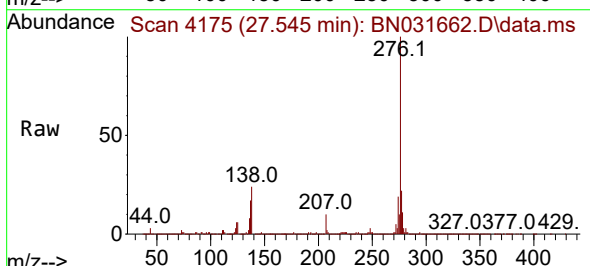
Tgt Ion:276 Resp: 2721818

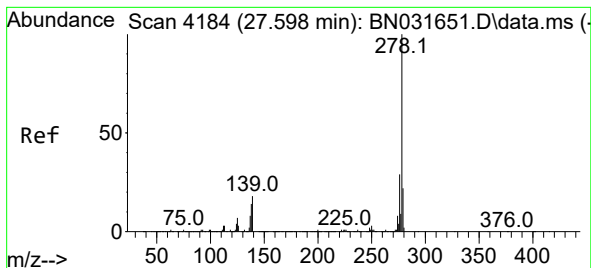
Ion Ratio Lower Upper

276 100

138 23.8 19.8 29.6

277 21.9 18.2 27.4





#95

Dibenzo(a,h)anthracene

Concen: 5.328 ng/ul

RT: 27.592 min Scan# 41

Delta R.T. 0.000 min

Lab File: BN031662.D

Acq: 24 May 2024 15:39

Instrument :

BNA_N

ClientSampleId :

BH5X9

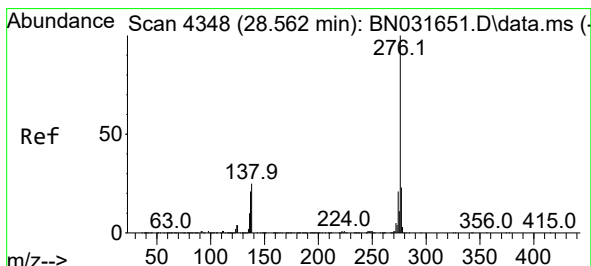
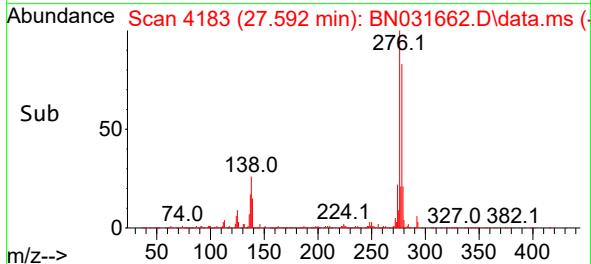
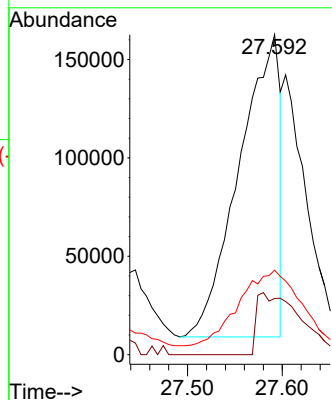
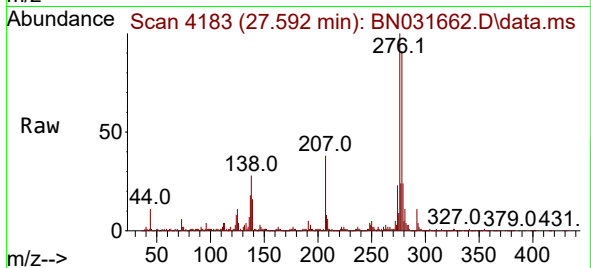
Tgt Ion:278 Resp: 459764

Ion Ratio Lower Upper

278 100

139 17.6 15.2 22.8

279 26.4 18.4 27.6



#96

Benzo(g,h,i)perylene

Concen: 29.301 ng/ul

RT: 28.586 min Scan# 4352

Delta R.T. 0.030 min

Lab File: BN031662.D

Acq: 24 May 2024 15:39

Tgt Ion:276 Resp: 2536634

Ion Ratio Lower Upper

276 100

138 25.2 19.5 29.3

277 23.0 17.6 26.4

