

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN052424\
 Data File : BN031654.D
 Acq On : 24 May 2024 10:23
 Operator : MA/JU
 Sample : P2547-17DL 2X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BH5X4DL

Quant Time: May 24 22:41:30 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	473914	20.000	ng/u1	0.00
20) Naphthalene-d8	10.469	136	1798708	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.328	164	979993	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.075	188	1884504	20.000	ng/u1	0.00
79) Chrysene-d12	21.304	240	1705187	20.000	ng/u1	0.00
88) Perylene-d12	24.239	264	2123167	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.205	96	20454	1.711	ng/uL	0.00
4) Pyridine-d5	3.605	84	205772	6.167	ng/u1	0.00
7) Phenol-d5	6.852	99	345111	8.846	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.028	67	219869	9.397	ng/u1	0.00
11) 2-Chlorophenol-d4	7.222	132	282866	9.410	ng/u1	0.00
15) 4-Methylphenol-d8	8.387	113	248389	8.225	ng/u1	0.00
21) Nitrobenzene-d5	8.840	128	126198	9.270	ng/u1	0.00
24) 2-Nitrophenol-d4	9.558	143	110863	8.528	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.087	165	233743	9.196	ng/u1	0.00
31) 4-Chloroaniline-d4	10.610	131	277691	7.579	ng/u1	0.00
46) Dimethylphthalate-d6	13.740	166	679957	11.010	ng/u1	0.00
49) Acenaphthylene-d8	14.016	160	813975	10.516	ng/u1	0.00
54) 4-Nitrophenol-d4	14.516	143	76765	6.569	ng/u1	0.00
60) Fluorene-d10	15.316	176	604267	11.290	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.434	200	41966	5.151	ng/u1	0.00
73) Anthracene-d10	17.169	188	925312	11.599	ng/u1	0.00
81) Pyrene-d10	19.469	212	1115453	10.429	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.033	264	1172190	11.729	ng/u1	0.00
Target Compounds						
					Qvalue	
30) Naphthalene	10.522	128	145398	1.571	ng/u1	98
36) 2-Methylnaphthalene	12.134	142	62779	1.036	ng/u1	100
50) Acenaphthylene	14.046	152	155866	1.744	ng/u1	98
52) Acenaphthene	14.387	153	256966	4.439	ng/u1	92
56) Dibenzofuran	14.728	168	260864	3.375	ng/u1	98
61) Fluorene	15.375	166	268256	4.431	ng/u1	99
72) Phenanthrene	17.116	178	5054313	52.848	ng/u1	98
74) Anthracene	17.204	178	1152528	12.011	ng/u1	99
77) Carbazole	17.475	167	522604	6.382	ng/u1	98
80) Fluoranthene	19.134	202	7046027	53.295	ng/u1	99
82) Pyrene	19.498	202	6072600	44.789	ng/u1	98
83) Butylbenzylphthalate	20.410	149	102035	2.217	ng/u1	95
85) Benzo(a)anthracene	21.286	228	3443715	30.032	ng/u1	95
86) Bis(2-ethylhexyl)phtha...	21.222	149	132821	2.108	ng/u1	98
87) Chrysene	21.351	228	3297298	31.130	ng/u1	98
90) Benzo(b)fluoranthene	23.316	252	4261852	34.398	ng/u1	95
91) Benzo(k)fluoranthene	23.316	252	4261852	33.744	ng/u1	96
93) Benzo(a)pyrene	24.110	252	3162882	26.575	ng/u1	99
94) Indeno(1,2,3-cd)pyrene	27.545	276	2078330	14.550	ng/u1	98
95) Dibenzo(a,h)anthracene	27.580	278	538644	4.579	ng/u1#	94
96) Benzo(g,h,i)perylene	28.568	276	1917556	16.249	ng/u1	98

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

Instrument :

BNA_N

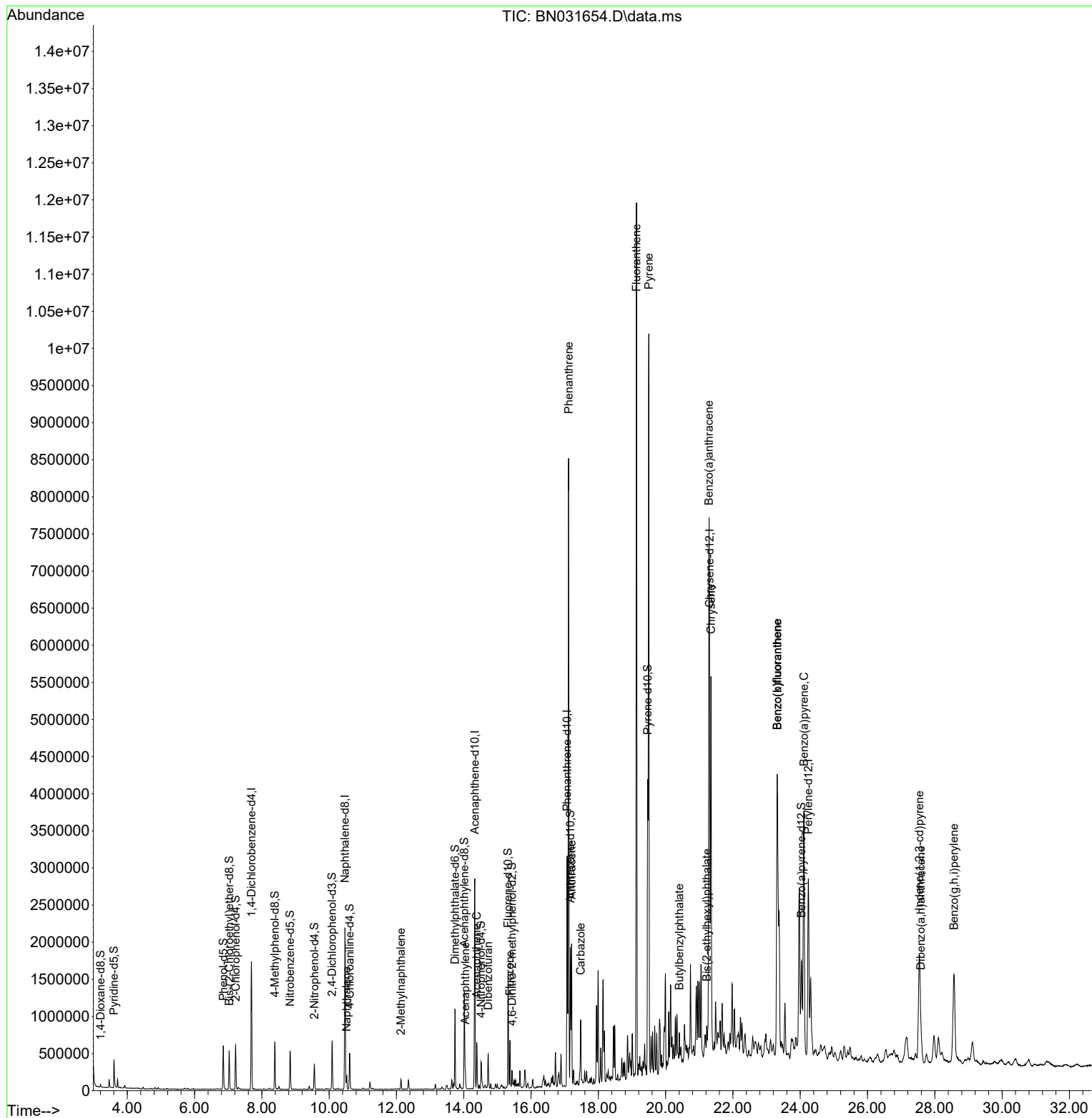
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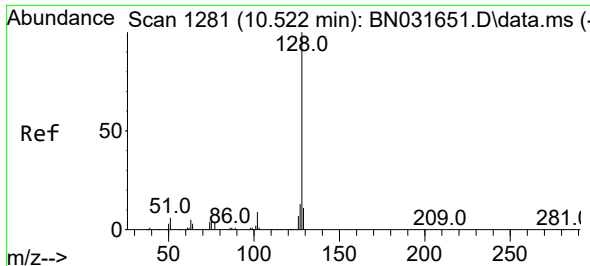
BH5X4DL

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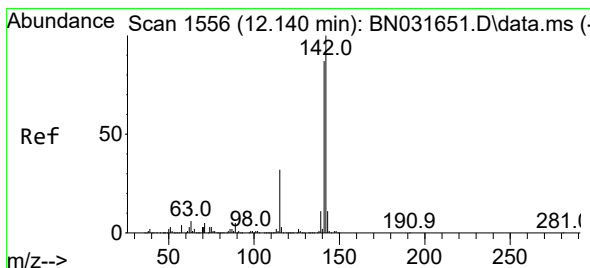
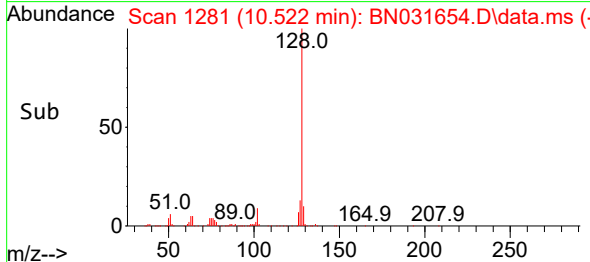
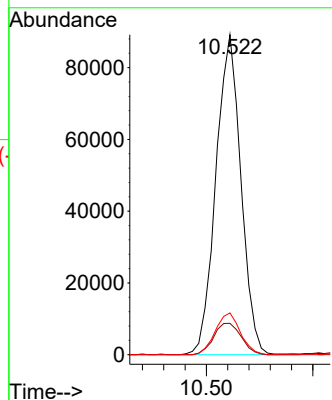
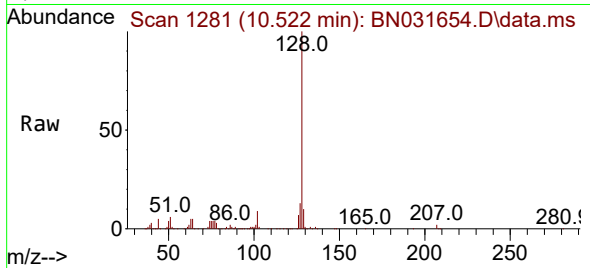




#30
Naphthalene
Concen: 1.571 ng/ul
RT: 10.522 min Scan# 1281
Delta R.T. -0.006 min
Lab File: BN031654.D
Acq: 24 May 2024 10:23

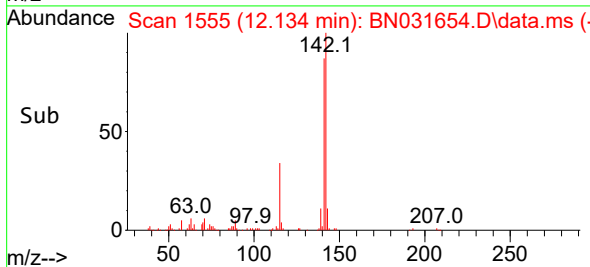
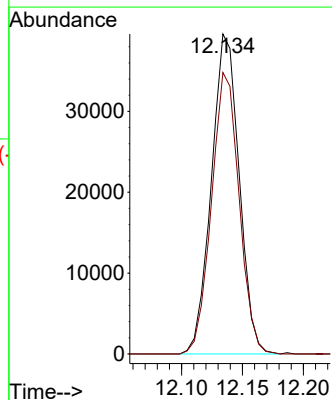
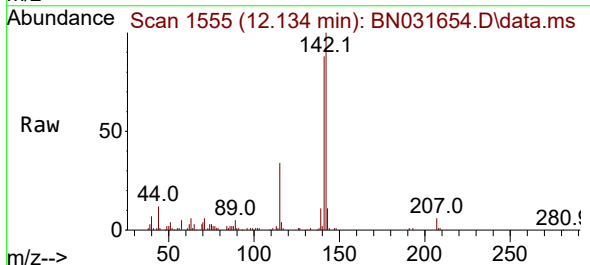
Instrument :
BNA_N
ClientSampleId :
BH5X4DL

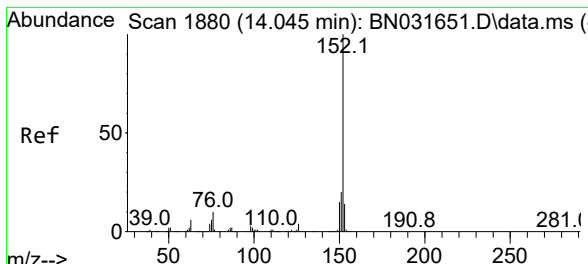
Tgt Ion:128 Resp: 145398
Ion Ratio Lower Upper
128 100
129 9.8 8.8 13.2
127 13.0 10.2 15.2



#36
2-Methylnaphthalene
Concen: 1.036 ng/ul
RT: 12.134 min Scan# 1555
Delta R.T. -0.006 min
Lab File: BN031654.D
Acq: 24 May 2024 10:23

Tgt Ion:142 Resp: 62779
Ion Ratio Lower Upper
142 100
141 87.9 70.5 105.7



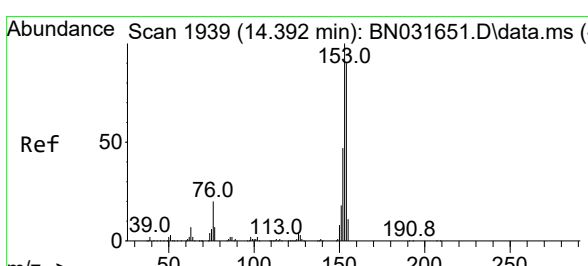
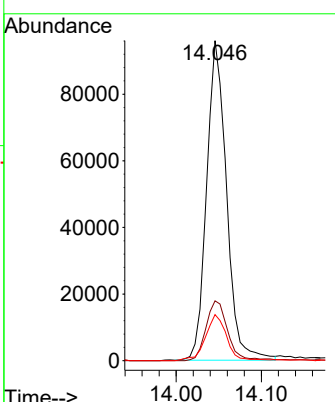
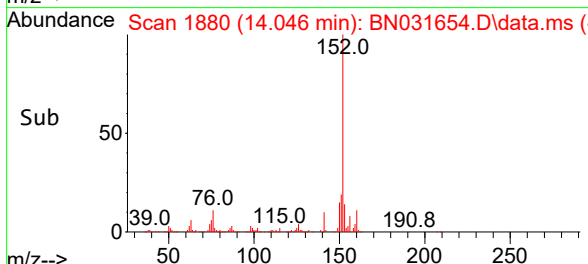
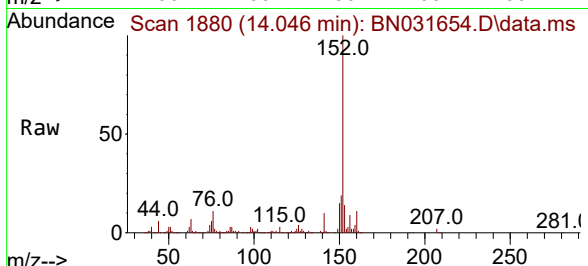


#50
 Acenaphthylene
 Concen: 1.744 ng/ul
 RT: 14.046 min Scan# 1880
 Delta R.T. -0.006 min
 Lab File: BN031654.D
 Acq: 24 May 2024 10:23

Instrument :
 BNA_N
 ClientSampleId :
 BH5X4DL

Tgt Ion:152 Resp: 155866

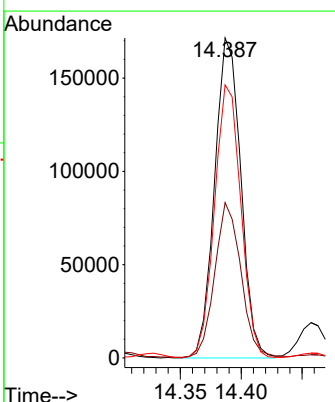
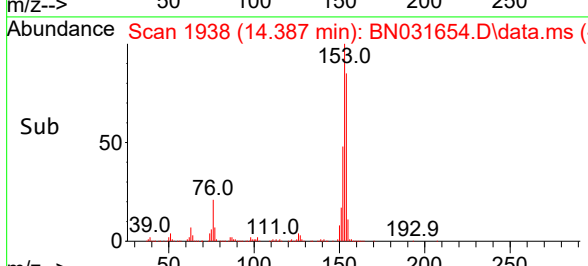
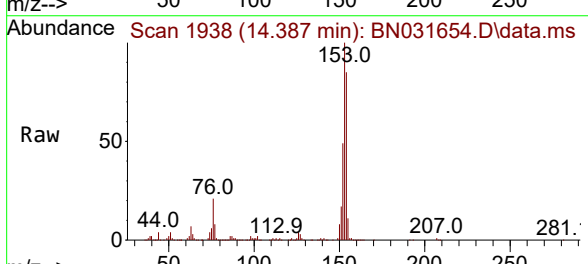
Ion	Ratio	Lower	Upper
152	100		
151	18.7	15.6	23.4
153	14.4	10.8	16.2

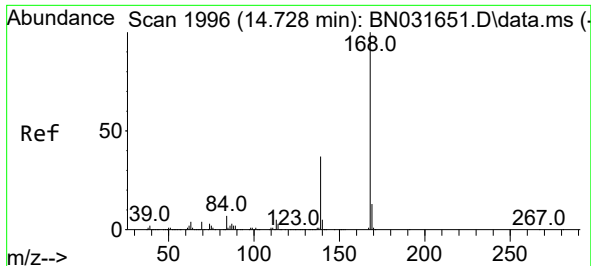


#52
 Acenaphthene
 Concen: 4.439 ng/ul
 RT: 14.387 min Scan# 1938
 Delta R.T. -0.006 min
 Lab File: BN031654.D
 Acq: 24 May 2024 10:23

Tgt Ion:153 Resp: 256966

Ion	Ratio	Lower	Upper
153	100		
152	48.6	40.5	60.7
154	85.4	76.6	114.8

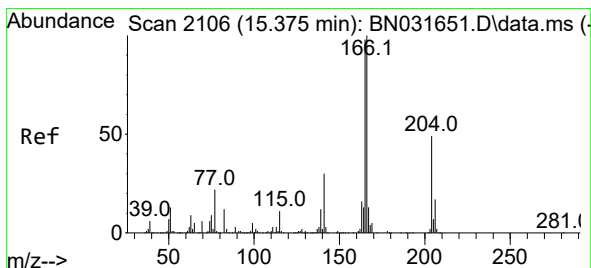
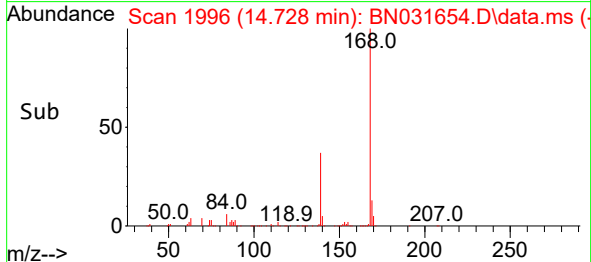
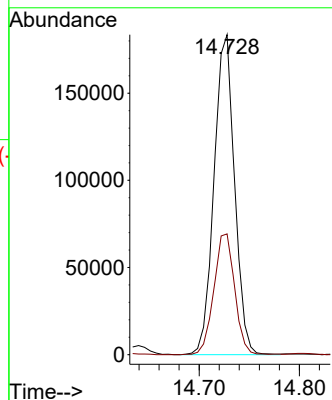
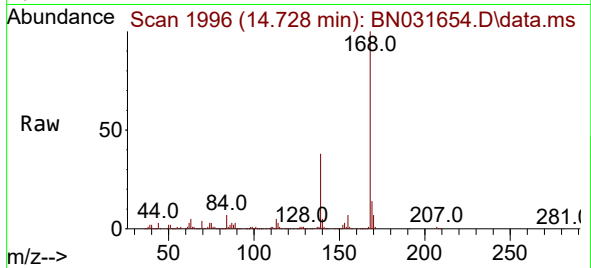




#56
Dibenzofuran
Concen: 3.375 ng/ul
RT: 14.728 min Scan# 1996
Delta R.T. 0.000 min
Lab File: BN031654.D
Acq: 24 May 2024 10:23

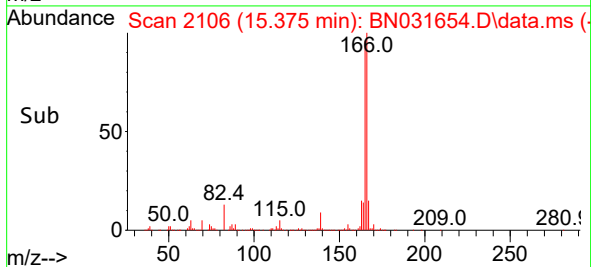
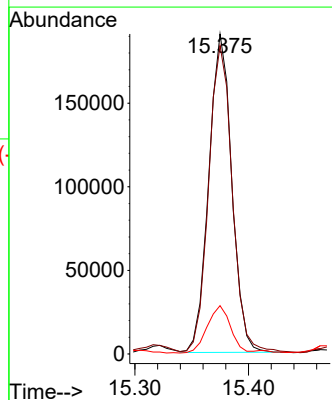
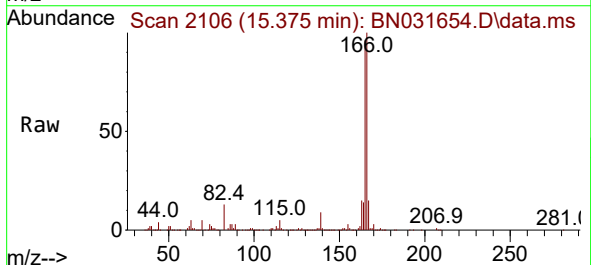
Instrument :
BNA_N
ClientSampleId :
BH5X4DL

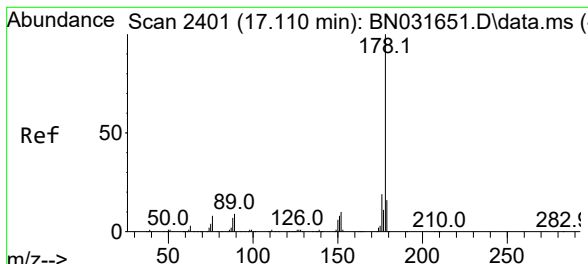
Tgt Ion:168 Resp: 260864
Ion Ratio Lower Upper
168 100
139 37.7 29.2 43.8



#61
Fluorene
Concen: 4.431 ng/ul
RT: 15.375 min Scan# 2106
Delta R.T. -0.006 min
Lab File: BN031654.D
Acq: 24 May 2024 10:23

Tgt Ion:166 Resp: 268256
Ion Ratio Lower Upper
166 100
165 96.4 77.0 115.6
167 15.1 10.9 16.3



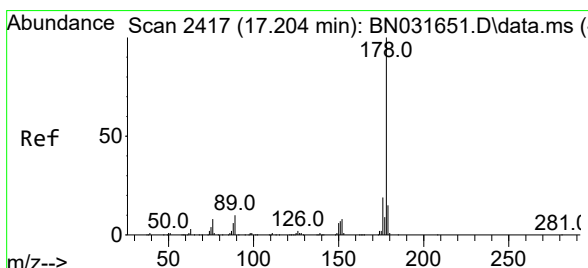
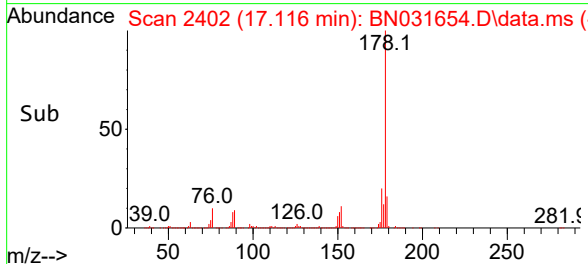
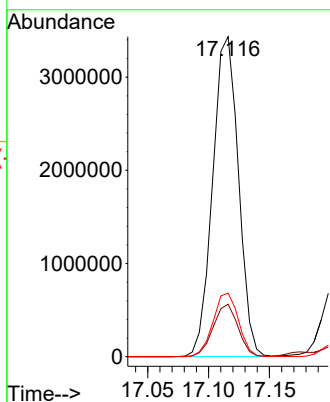
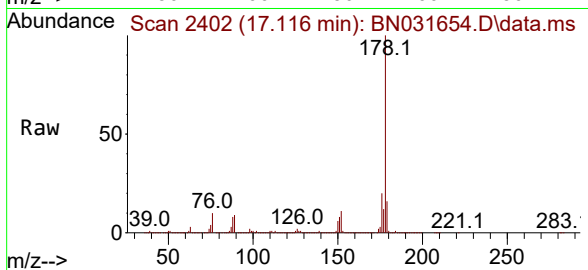


#72
 Phenanthrene
 Concen: 52.848 ng/ul
 RT: 17.116 min Scan# 2402
 Delta R.T. 0.000 min
 Lab File: BN031654.D
 Acq: 24 May 2024 10:23

Instrument :
 BNA_N
 ClientSampleId :
 BH5X4DL

Tgt Ion:178 Resp: 5054313

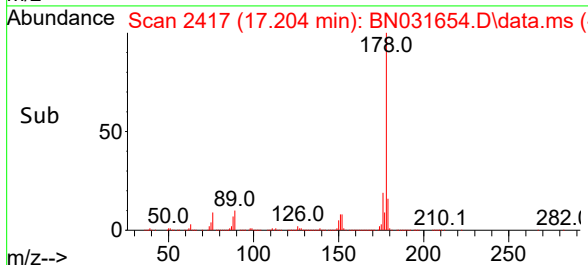
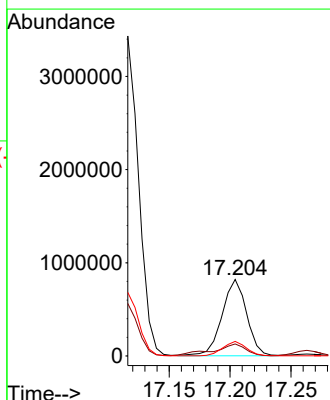
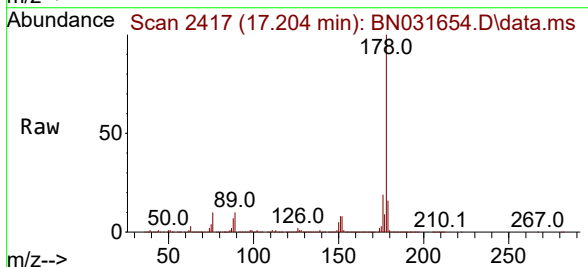
Ion	Ratio	Lower	Upper
178	100		
179	16.4	12.6	18.8
176	19.9	15.2	22.8

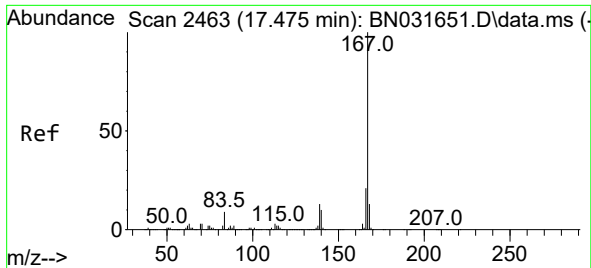


#74
 Anthracene
 Concen: 12.011 ng/ul
 RT: 17.204 min Scan# 2417
 Delta R.T. 0.000 min
 Lab File: BN031654.D
 Acq: 24 May 2024 10:23

Tgt Ion:178 Resp: 1152528

Ion	Ratio	Lower	Upper
178	100		
179	15.7	11.9	17.9
176	19.0	15.4	23.2



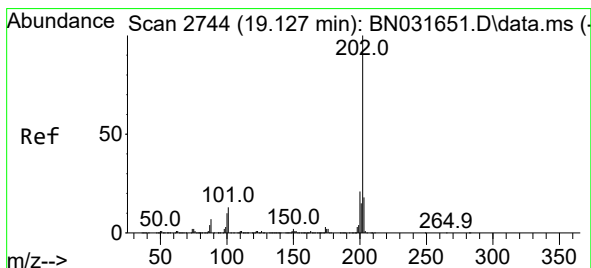
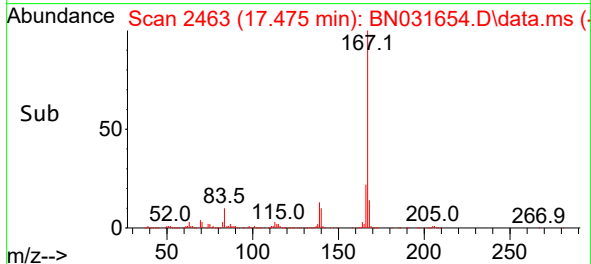
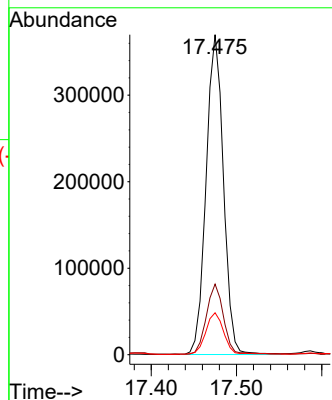
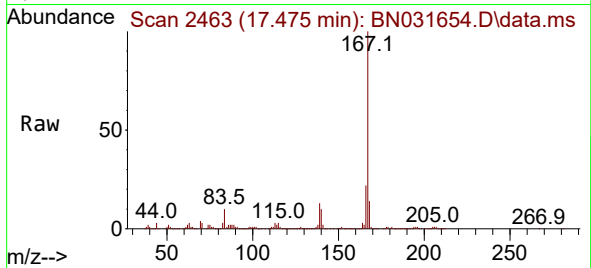


#77
 Carbazole
 Concen: 6.382 ng/ul
 RT: 17.475 min Scan# 2463
 Delta R.T. 0.000 min
 Lab File: BN031654.D
 Acq: 24 May 2024 10:23

Instrument :
 BNA_N
 ClientSampleId :
 BH5X4DL

Tgt Ion:167 Resp: 522604

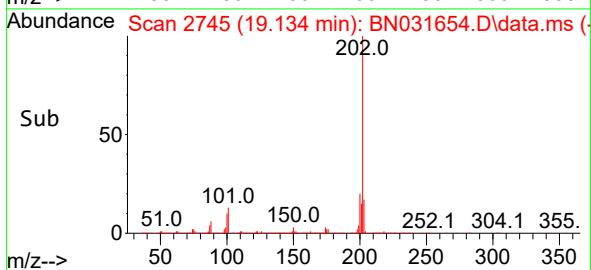
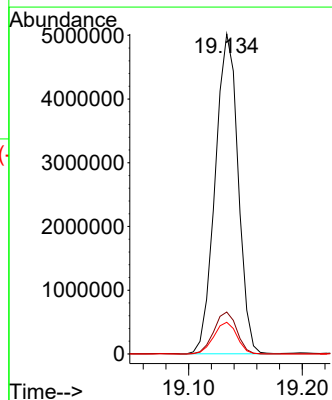
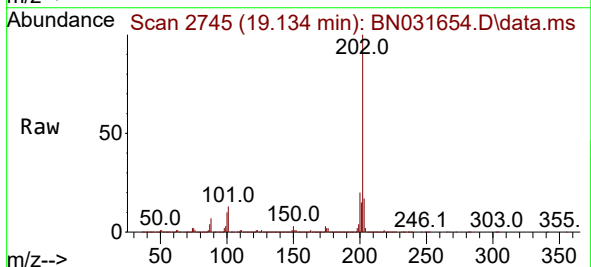
Ion	Ratio	Lower	Upper
167	100		
166	22.1	16.7	25.1
139	13.1	10.5	15.7

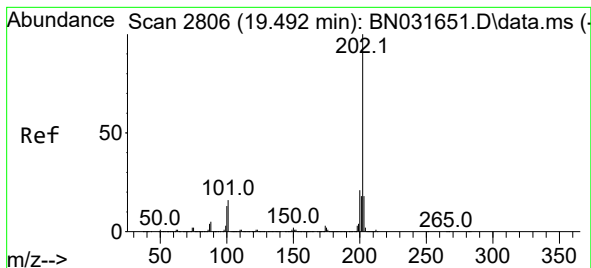


#80
 Fluoranthene
 Concen: 53.295 ng/ul
 RT: 19.134 min Scan# 2745
 Delta R.T. 0.000 min
 Lab File: BN031654.D
 Acq: 24 May 2024 10:23

Tgt Ion:202 Resp: 7046027

Ion	Ratio	Lower	Upper
202	100		
101	13.1	10.1	15.1
100	9.9	8.0	12.0





#82

Pyrene

Concen: 44.789 ng/ul

RT: 19.498 min Scan# 2807

Delta R.T. 0.000 min

Lab File: BN031654.D

Acq: 24 May 2024 10:23

Instrument :

BNA_N

ClientSampleId :

BH5X4DL

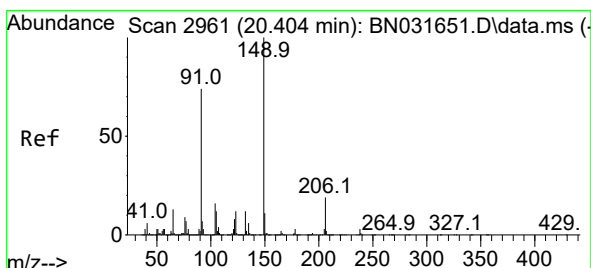
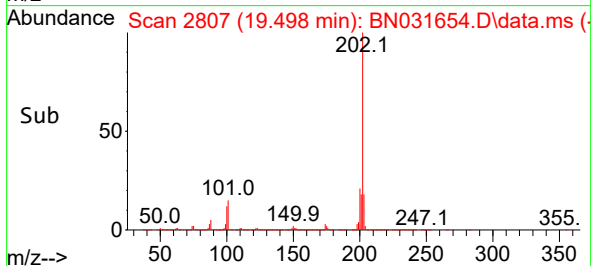
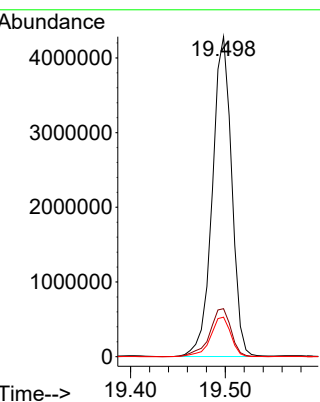
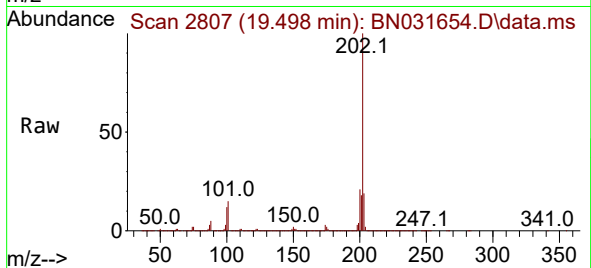
Tgt Ion:202 Resp: 6072600

Ion Ratio Lower Upper

202 100

101 15.0 11.4 17.2

100 12.4 9.3 13.9



#83

Butylbenzylphthalate

Concen: 2.217 ng/ul

RT: 20.410 min Scan# 2962

Delta R.T. 0.000 min

Lab File: BN031654.D

Acq: 24 May 2024 10:23

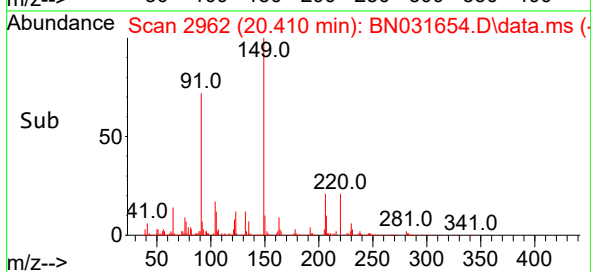
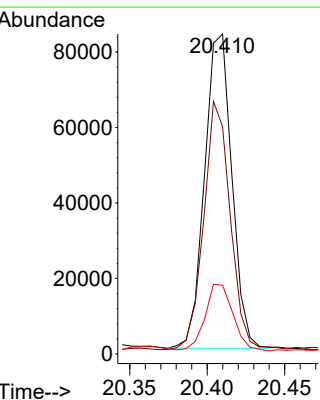
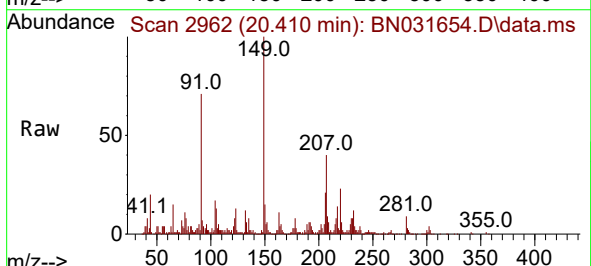
Tgt Ion:149 Resp: 102035

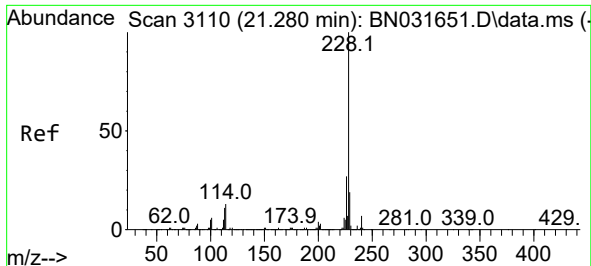
Ion Ratio Lower Upper

149 100

91 71.0 60.8 91.2

206 21.5 15.8 23.8

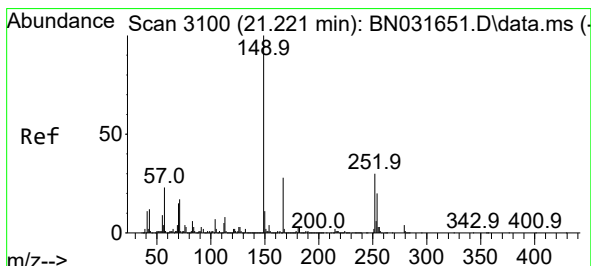
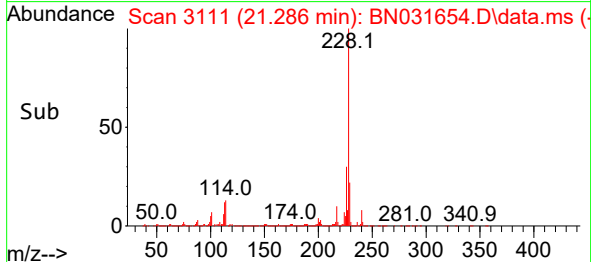
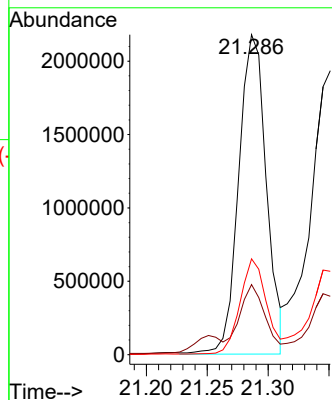
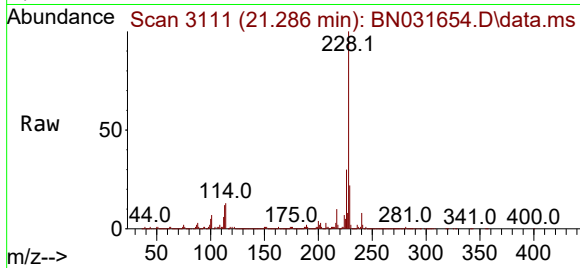




#85
Benzo(a)anthracene
Concen: 30.032 ng/ul
RT: 21.286 min Scan# 3111
Delta R.T. 0.000 min
Lab File: BN031654.D
Acq: 24 May 2024 10:23

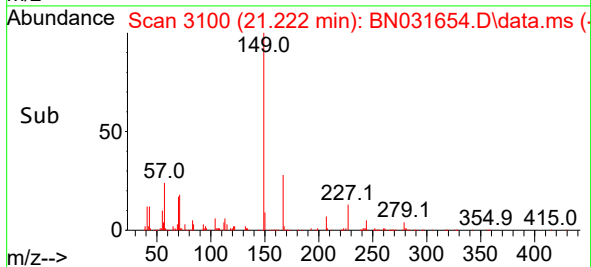
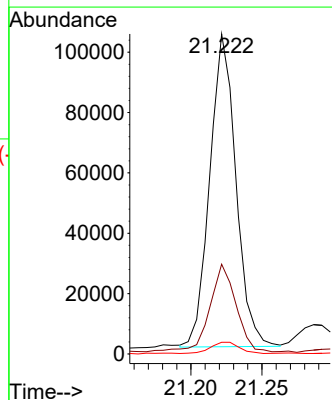
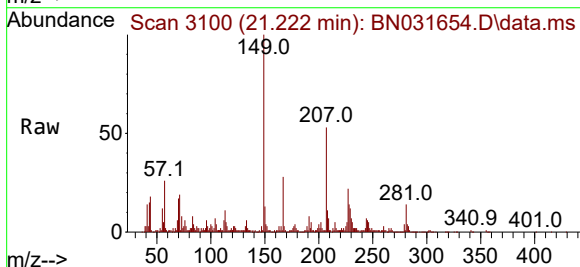
Instrument :
BNA_N
ClientSampleId :
BH5X4DL

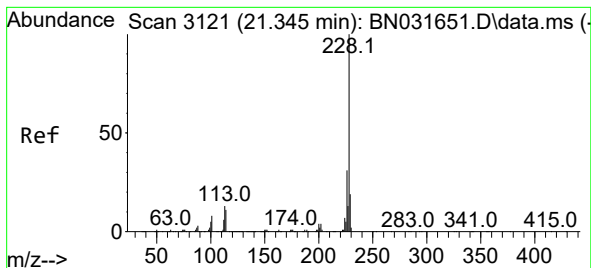
Tgt Ion:228 Resp: 3443715
Ion Ratio Lower Upper
228 100
229 21.9 15.7 23.5
226 30.0 21.9 32.9



#86
Bis(2-ethylhexyl)phthalate
Concen: 2.108 ng/ul
RT: 21.222 min Scan# 3100
Delta R.T. 0.000 min
Lab File: BN031654.D
Acq: 24 May 2024 10:23

Tgt Ion:149 Resp: 132821
Ion Ratio Lower Upper
149 100
167 28.1 21.6 32.4
279 3.6 2.8 4.2





#87

Chrysene

Concen: 31.130 ng/ul

RT: 21.351 min Scan# 31

Delta R.T. 0.006 min

Lab File: BN031654.D

Acq: 24 May 2024 10:23

Instrument :

BNA_N

ClientSampleId :

BH5X4DL

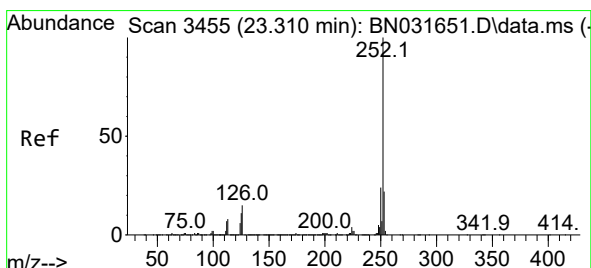
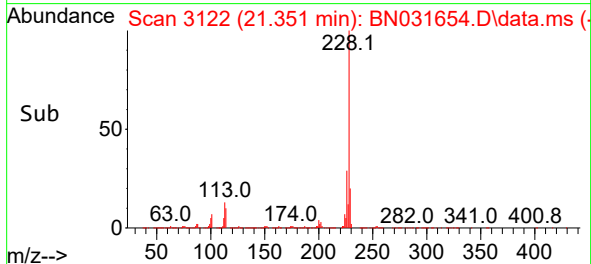
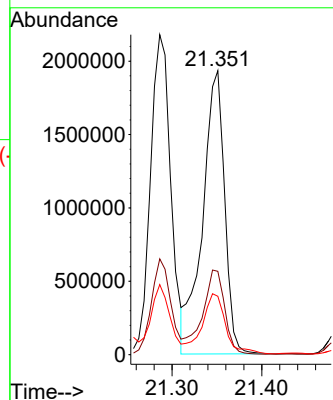
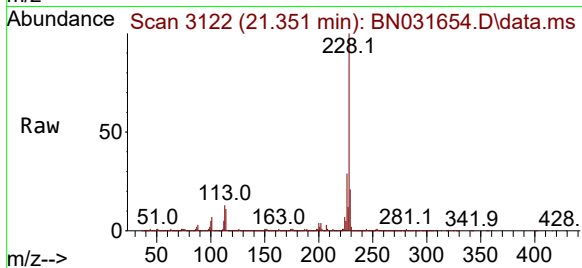
Tgt Ion:228 Resp: 3297298

Ion Ratio Lower Upper

228 100

226 29.3 22.9 34.3

229 20.6 15.2 22.8



#90

Benzo(b)fluoranthene

Concen: 34.398 ng/ul

RT: 23.316 min Scan# 3456

Delta R.T. 0.006 min

Lab File: BN031654.D

Acq: 24 May 2024 10:23

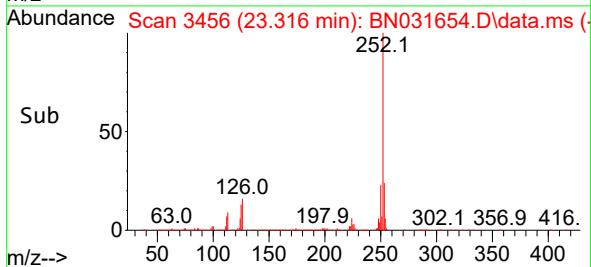
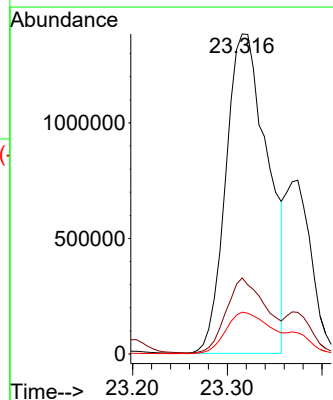
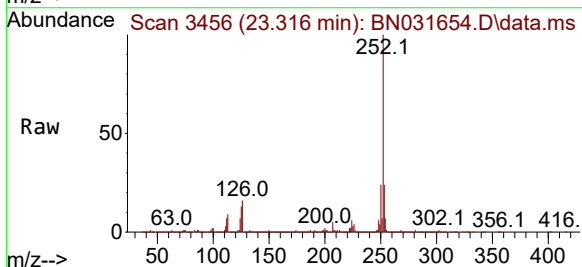
Tgt Ion:252 Resp: 4261852

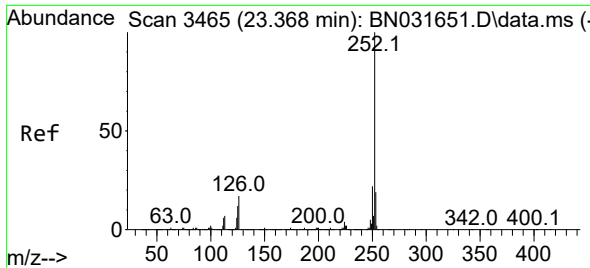
Ion Ratio Lower Upper

252 100

253 23.8 16.8 25.2

125 13.1 9.3 13.9

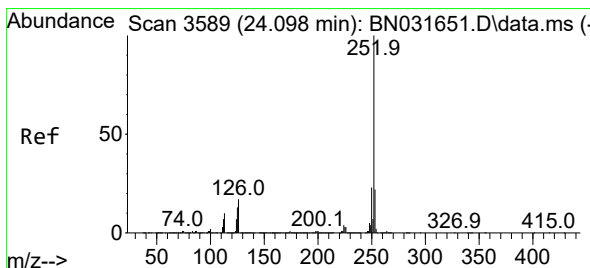
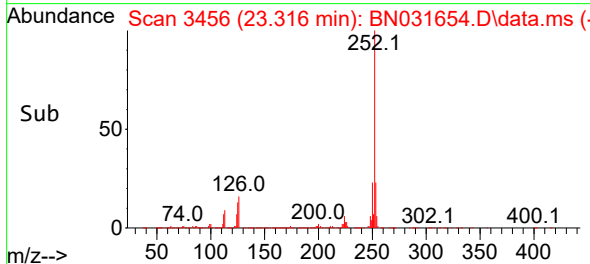
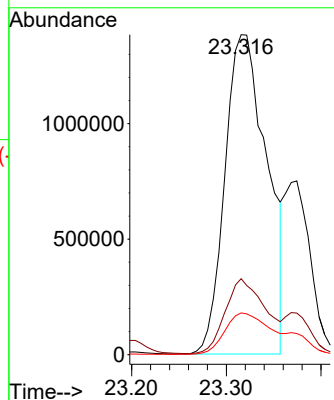
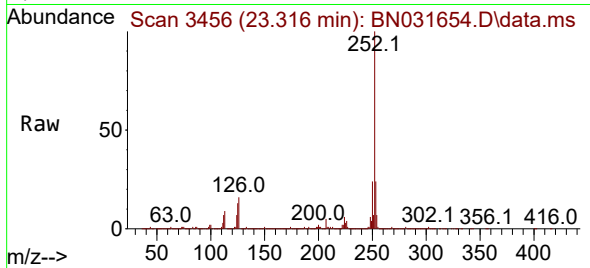




#91
Benzo(k)fluoranthene
Concen: 33.744 ng/ul
RT: 23.316 min Scan# 3465
Delta R.T. -0.053 min
Lab File: BN031654.D
Acq: 24 May 2024 10:23

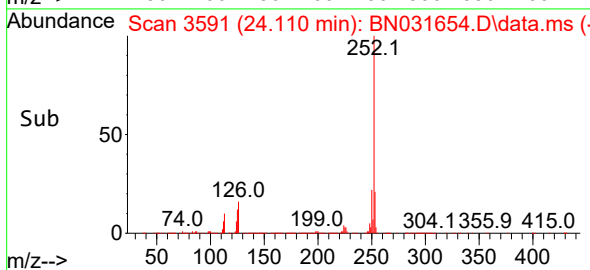
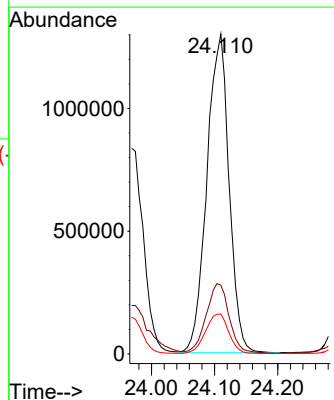
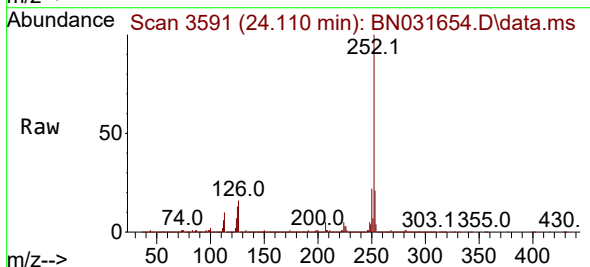
Instrument :
BNA_N
ClientSampleId :
BH5X4DL

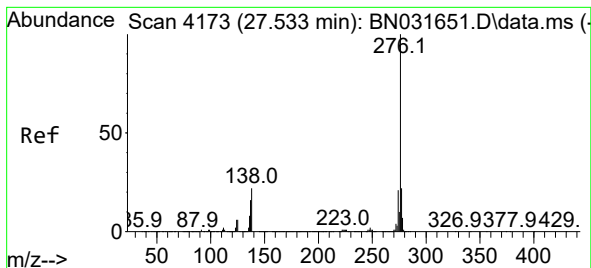
Tgt Ion:252 Resp: 4261852
Ion Ratio Lower Upper
252 100
253 23.8 17.4 26.0
125 13.1 9.3 13.9



#93
Benzo(a)pyrene
Concen: 26.575 ng/ul
RT: 24.110 min Scan# 3591
Delta R.T. 0.006 min
Lab File: BN031654.D
Acq: 24 May 2024 10:23

Tgt Ion:252 Resp: 3162882
Ion Ratio Lower Upper
252 100
253 21.5 16.6 24.8
125 12.5 9.8 14.8





#94

Indeno(1,2,3-cd)pyrene

Concen: 14.550 ng/ul

RT: 27.545 min Scan# 4175

Delta R.T. 0.012 min

Lab File: BN031654.D

Acq: 24 May 2024 10:23

Instrument :

BNA_N

ClientSampleId :

BH5X4DL

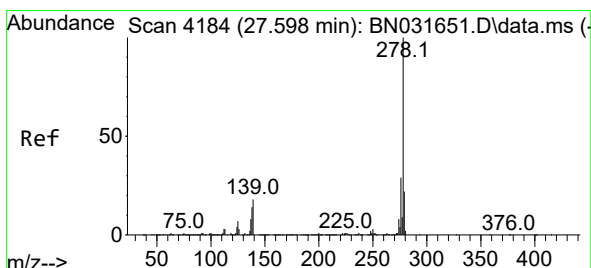
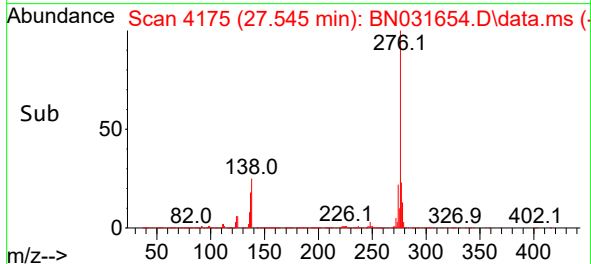
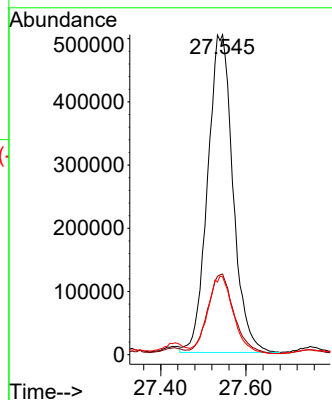
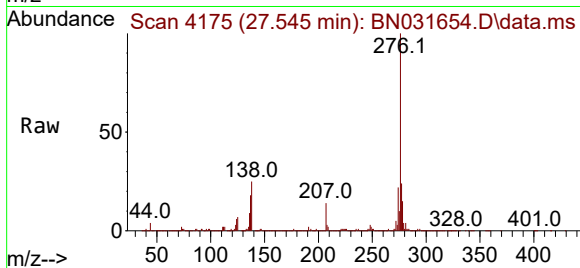
Tgt Ion:276 Resp: 2078330

Ion Ratio Lower Upper

276 100

138 25.2 19.8 29.6

277 24.3 18.2 27.4



#95

Dibenzo(a,h)anthracene

Concen: 4.579 ng/ul

RT: 27.580 min Scan# 4181

Delta R.T. -0.012 min

Lab File: BN031654.D

Acq: 24 May 2024 10:23

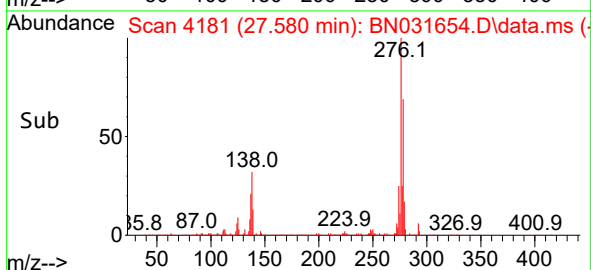
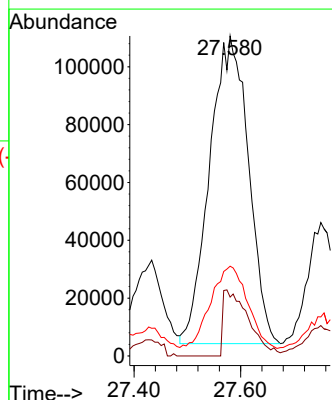
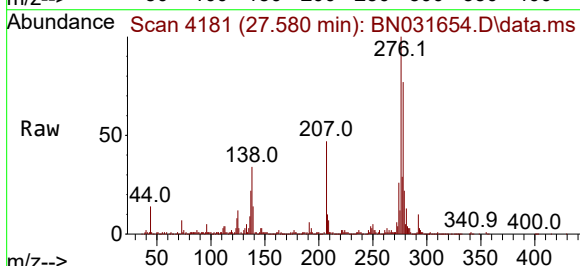
Tgt Ion:278 Resp: 538644

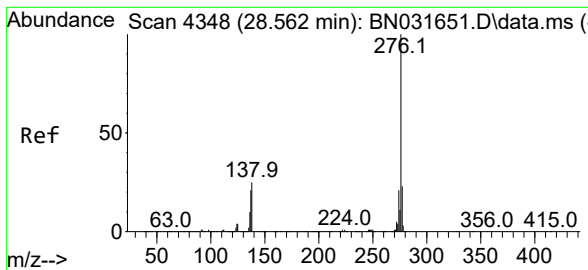
Ion Ratio Lower Upper

278 100

139 18.4 15.2 22.8

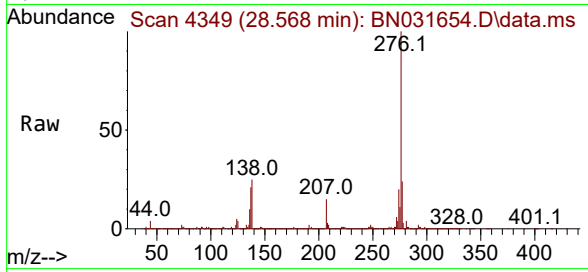
279 28.1 18.4 27.6#





#96
 Benzo(g,h,i)perylene
 Concen: 16.249 ng/ul
 RT: 28.568 min Scan# 41
 Delta R.T. 0.012 min
 Lab File: BN031654.D
 Acq: 24 May 2024 10:23

Instrument :
 BNA_N
 ClientSampleId :
 BH5X4DL



Tgt Ion:276 Resp: 1917556

Ion	Ratio	Lower	Upper
276	100		
138	25.0	19.5	29.3
277	23.7	17.6	26.4

