

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN052324\
 Data File : BN031640.D
 Acq On : 23 May 2024 20:13
 Operator : MA/JU
 Sample : P2547-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BH5N9

Quant Time: May 23 22:53:24 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	7.693	152	396635	20.000	ng/u1	0.00
20) Naphthalene-d8	10.475	136	1509463	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.328	164	808425	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.069	188	1524440	20.000	ng/u1	0.00
79) Chrysene-d12	21.304	240	1400198	20.000	ng/u1	0.00
88) Perylene-d12	24.245	264	1724853	20.000	ng/u1	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.205	96	27789	2.777	ng/uL	0.00
4) Pyridine-d5	3.605	84	301779	10.807	ng/u1	0.00
7) Phenol-d5	6.852	99	545711	16.714	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.028	67	326429	16.669	ng/u1	0.00
11) 2-Chlorophenol-d4	7.222	132	439741	17.479	ng/u1	0.00
15) 4-Methylphenol-d8	8.387	113	380133	15.039	ng/u1	0.00
21) Nitrobenzene-d5	8.846	128	197170	17.259	ng/u1	0.00
24) 2-Nitrophenol-d4	9.557	143	179423	16.447	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.093	165	361369	16.942	ng/u1	0.00
31) 4-Chloroaniline-d4	10.610	131	296296	9.637	ng/u1	0.00
46) Dimethylphthalate-d6	13.740	166	967194	18.984	ng/u1	0.00
49) Acenaphthylene-d8	14.022	160	1190444	18.643	ng/u1	0.00
54) 4-Nitrophenol-d4	14.522	143	126541	13.127	ng/u1	0.00
60) Fluorene-d10	15.322	176	834173	18.893	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.439	200	62440	9.474	ng/u1	0.00
73) Anthracene-d10	17.169	188	1302211	20.179	ng/u1	0.00
81) Pyrene-d10	19.469	212	1539449	17.528	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.039	264	1648570	20.305	ng/u1	0.00
Target Compounds						
					Qvalue	
16) Acetophenone	8.510	105	95003	2.410	ng/u1	98
30) Naphthalene	10.522	128	126536	1.629	ng/u1	98
37) 1-Methylnaphthalene	12.357	142	52842	1.050	ng/u1#	97
50) Acenaphthylene	14.045	152	218307	2.962	ng/u1	99
52) Acenaphthene	14.392	153	206372	4.321	ng/u1	93
55) 4-Nitrophenol	14.557	109	33242	4.577	ng/u1#	1
56) Dibenzofuran	14.728	168	193788	3.039	ng/u1	100
61) Fluorene	15.375	166	226868	4.543	ng/u1	99
72) Phenanthrene	17.116	178	4824972	62.366	ng/u1	99
74) Anthracene	17.204	178	1020533	13.148	ng/u1	99
77) Carbazole	17.475	167	576385	8.702	ng/u1	99
78) Di-n-butylphthalate	18.045	149	148524	1.953	ng/u1	98
80) Fluoranthene	19.133	202	7667203	70.626	ng/u1	99
82) Pyrene	19.498	202	6644080	59.678	ng/u1	97
83) Butylbenzylphthalate	20.404	149	138342	3.661	ng/u1	98
85) Benzo(a)anthracene	21.286	228	3846497	40.852	ng/u1	97
86) Bis(2-ethylhexyl)phtha...	21.221	149	267259	5.166	ng/u1	98
87) Chrysene	21.286	228	3845325	44.212	ng/u1	98
90) Benzo(b)fluoranthene	23.321	252	5094710	50.616	ng/u1	99
91) Benzo(k)fluoranthene	23.368	252	1726565	16.827	ng/u1	98
93) Benzo(a)pyrene	24.104	252	3639004	37.637	ng/u1	97
94) Indeno(1,2,3-cd)pyrene	27.545	276	2543324	21.917	ng/u1	97
95) Dibenzo(a,h)anthracene	27.751	278	171198	1.791	ng/u1	92
96) Benzo(g,h,i)perylene	28.574	276	2390500	24.934	ng/u1	97

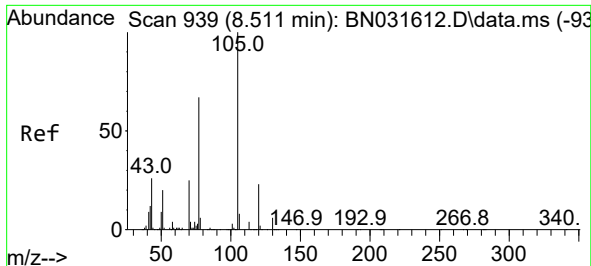
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN052324\
Data File : BN031640.D
Acq On : 23 May 2024 20:13
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Quant Time: May 23 22:53:24 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN052124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 21 23:42:49 2024
Response via : Initial Calibration

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

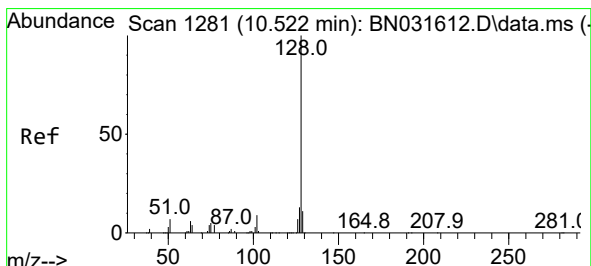
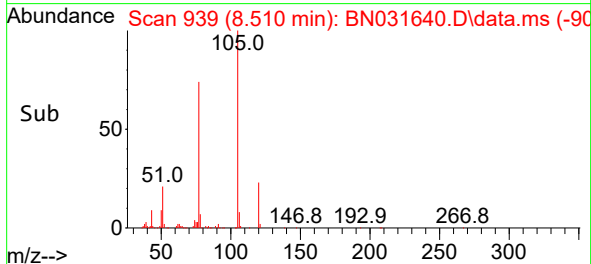
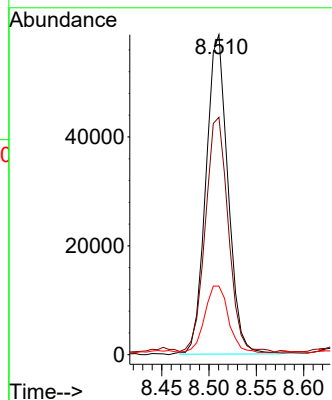
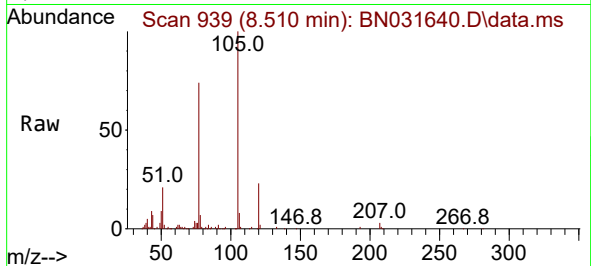
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#16
Acetophenone
Concen: 2.410 ng/ul
RT: 8.510 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN031640.D
Acq: 23 May 2024 20:13

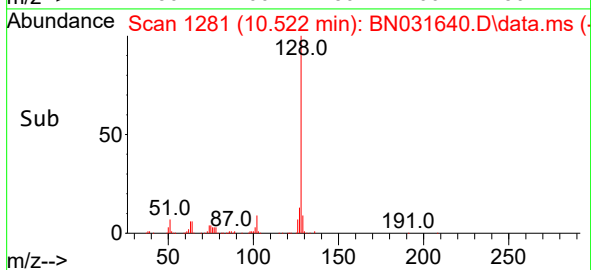
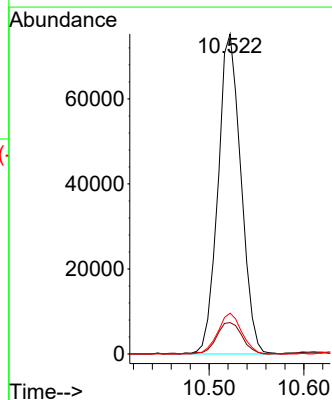
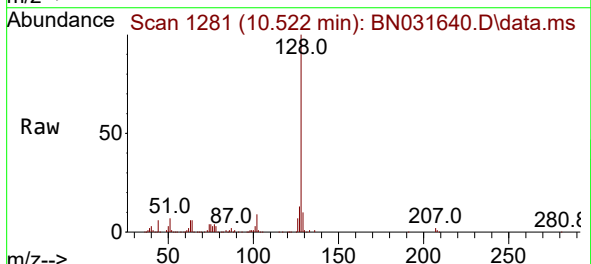
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BNA_N
ClientSampleId :
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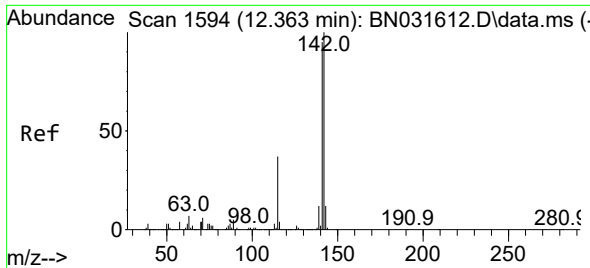
Tgt Ion:105 Resp: 95003
Ion Ratio Lower Upper
105 100
77 74.2 60.7 91.1
51 21.4 18.6 28.0



#30
Naphthalene
Concen: 1.629 ng/ul
RT: 10.522 min Scan# 1281
Delta R.T. -0.006 min
Lab File: BN031640.D
Acq: 23 May 2024 20:13

Tgt Ion:128 Resp: 126536
Ion Ratio Lower Upper
128 100
129 9.8 8.8 13.2
127 12.8 10.2 15.2

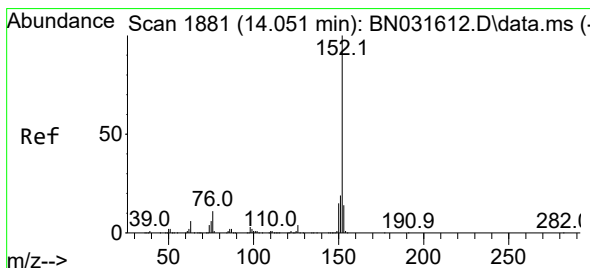
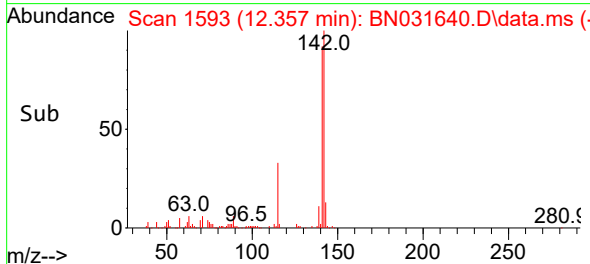
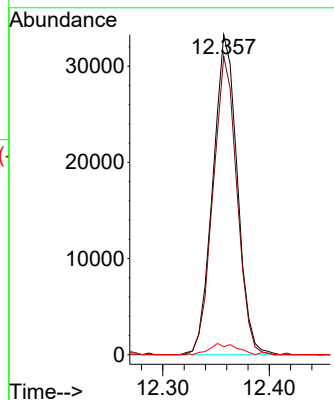
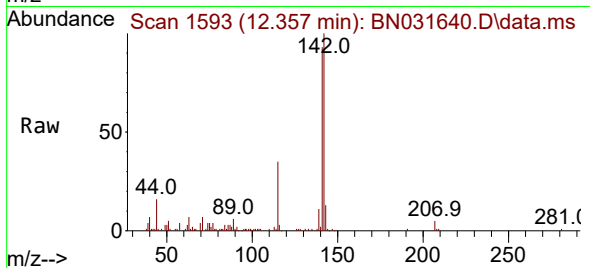




#37
1-Methylnaphthalene
Concen: 1.050 ng/ul
RT: 12.357 min Scan# 11
Delta R.T. -0.006 min
Lab File: BN031640.D
Acq: 23 May 2024 20:13

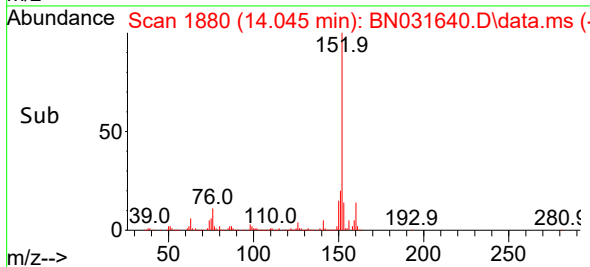
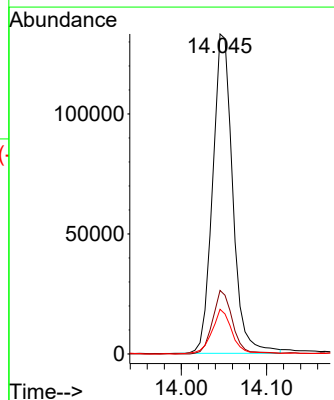
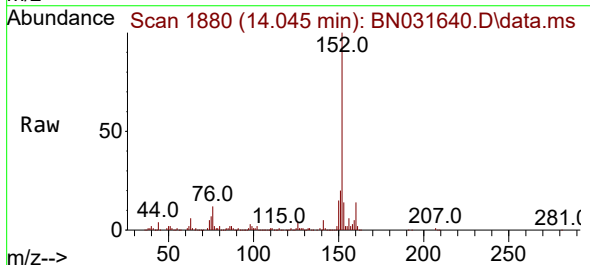
Instrument :
BNA_N
ClientSampleId :
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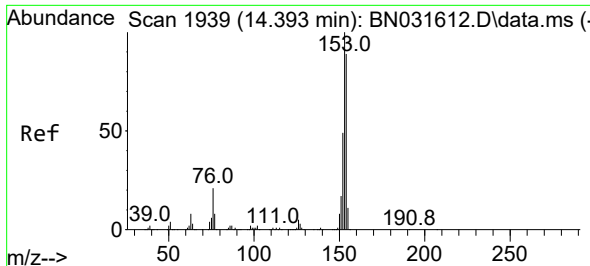
Tgt Ion:142 Resp: 52842
Ion Ratio Lower Upper
142 100
141 93.3 77.0 115.6
116 2.5 3.0 4.6#



#50
Acenaphthylene
Concen: 2.962 ng/ul
RT: 14.045 min Scan# 1880
Delta R.T. -0.006 min
Lab File: BN031640.D
Acq: 23 May 2024 20:13

Tgt Ion:152 Resp: 218307
Ion Ratio Lower Upper
152 100
151 19.9 15.6 23.4
153 14.0 10.8 16.2

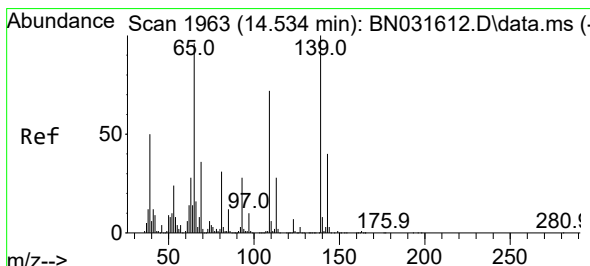
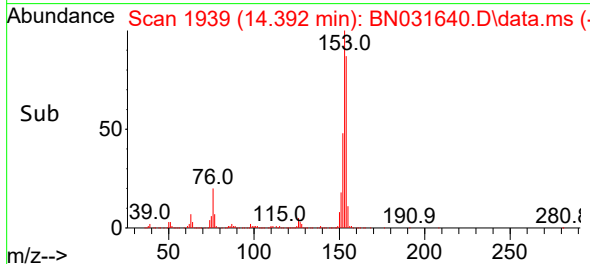
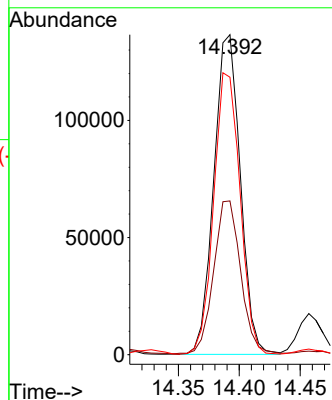
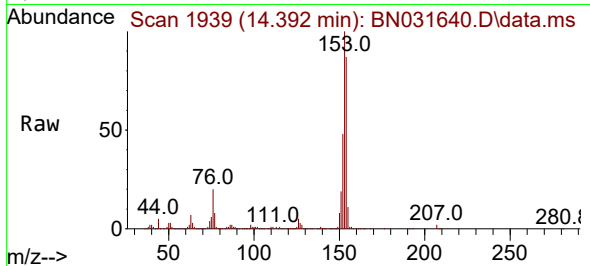




#52
Acenaphthene
Concen: 4.321 ng/ul
RT: 14.392 min Scan# 1939
Delta R.T. 0.000 min
Lab File: BN031640.D
Acq: 23 May 2024 20:13

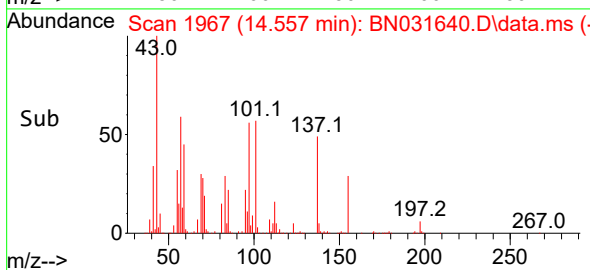
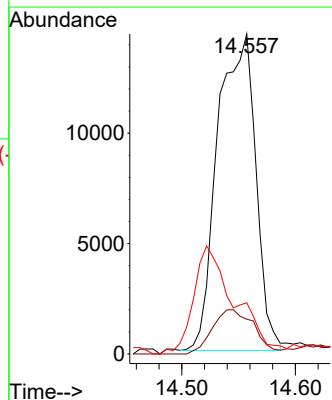
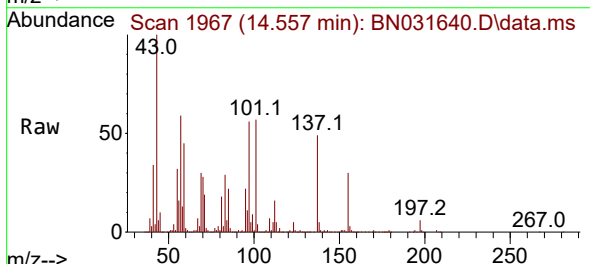
Instrument :
BNA_N
ClientSampleId :
BH5N9

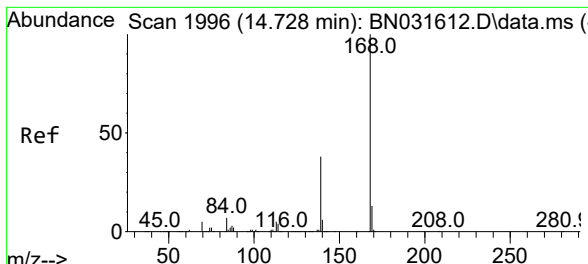
Tgt Ion:153 Resp: 206372
Ion Ratio Lower Upper
153 100
152 48.1 40.5 60.7
154 86.7 76.6 114.8



#55
4-Nitrophenol
Concen: 4.577 ng/ul
RT: 14.557 min Scan# 1967
Delta R.T. 0.018 min
Lab File: BN031640.D
Acq: 23 May 2024 20:13

Tgt Ion:109 Resp: 33242
Ion Ratio Lower Upper
109 100
139 10.9 113.8 170.6#
65 16.0 101.1 151.7#

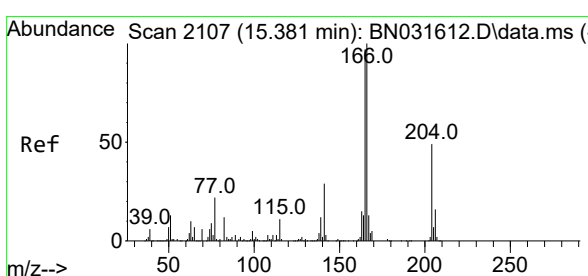
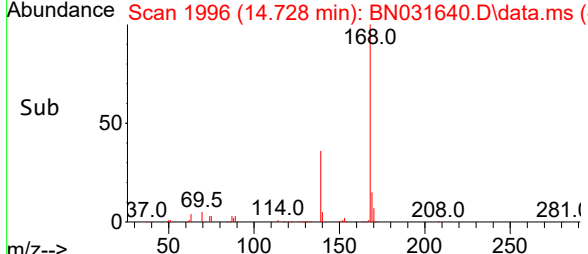
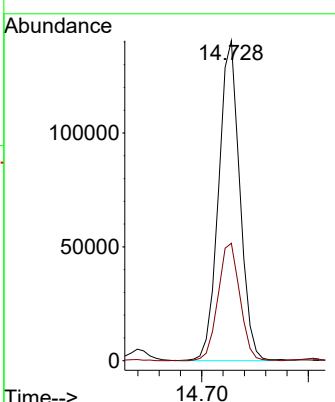
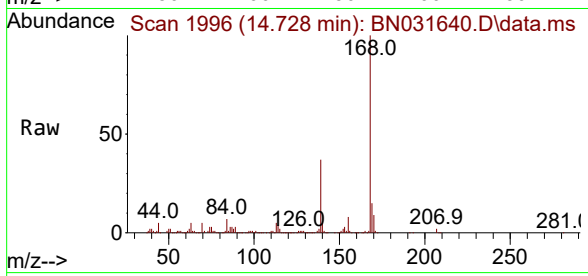




#56
 Dibenzofuran
 Concen: 3.039 ng/ul
 RT: 14.728 min Scan# 1996
 Delta R.T. 0.000 min
 Lab File: BN031640.D
 Acq: 23 May 2024 20:13

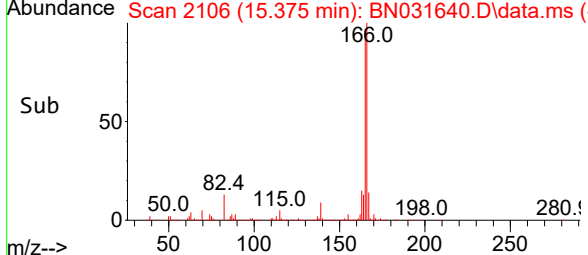
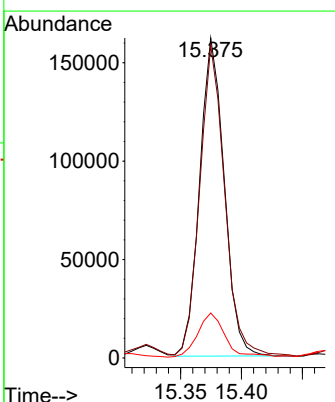
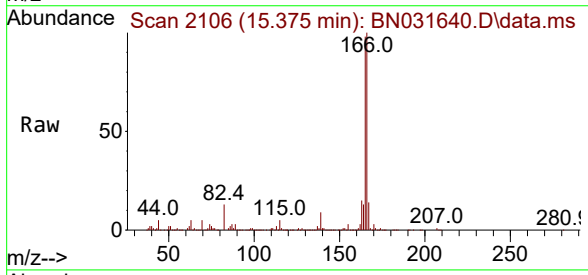
Instrument :
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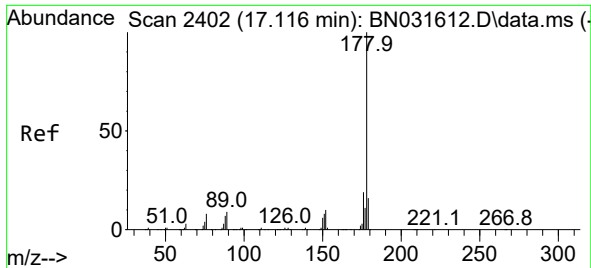
Tgt Ion:168 Resp: 193788
 Ion Ratio Lower Upper
 168 100
 139 36.7 29.2 43.8



#61
 Fluorene
 Concen: 4.543 ng/ul
 RT: 15.375 min Scan# 2106
 Delta R.T. -0.006 min
 Lab File: BN031640.D
 Acq: 23 May 2024 20:13

Tgt Ion:166 Resp: 226868
 Ion Ratio Lower Upper
 166 100
 165 97.6 77.0 115.6
 167 14.0 10.9 16.3

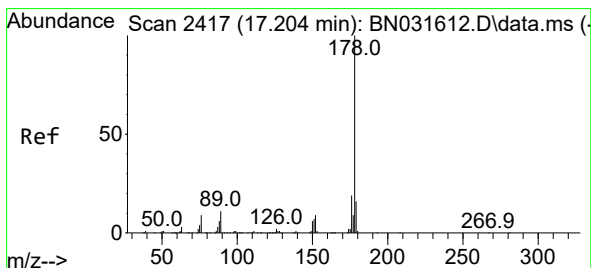
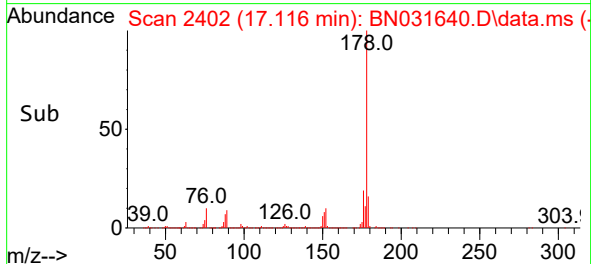
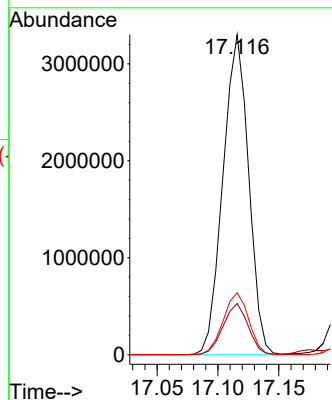
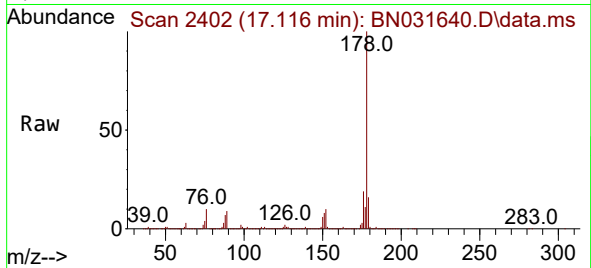




#72
Phenanthrene
Concen: 62.366 ng/ul
RT: 17.116 min Scan# 2402
Delta R.T. 0.000 min
Lab File: BN031640.D
Acq: 23 May 2024 20:13

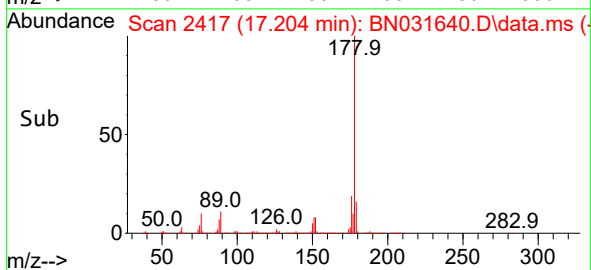
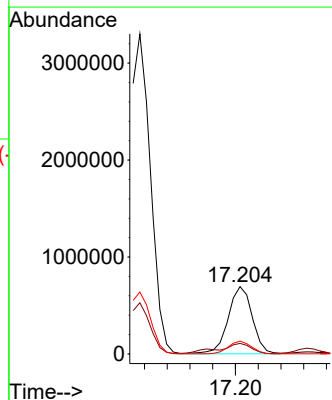
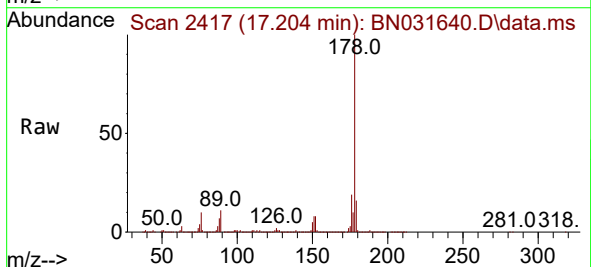
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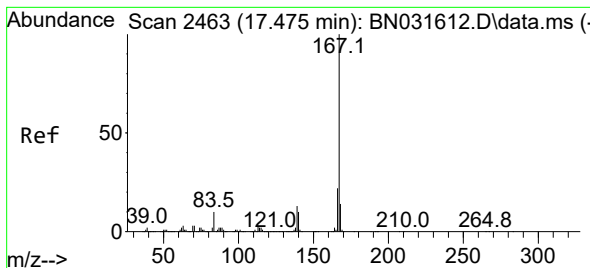
Tgt Ion:178 Resp: 4824972
Ion Ratio Lower Upper
178 100
179 16.0 12.6 18.8
176 19.3 15.2 22.8



#74
Anthracene
Concen: 13.148 ng/ul
RT: 17.204 min Scan# 2417
Delta R.T. 0.000 min
Lab File: BN031640.D
Acq: 23 May 2024 20:13

Tgt Ion:178 Resp: 1020533
Ion Ratio Lower Upper
178 100
179 15.7 11.9 17.9
176 19.0 15.4 23.2





#77

Carbazole

Concen: 8.702 ng/ul

RT: 17.475 min Scan# 2463

Delta R.T. 0.000 min

Lab File: BN031640.D

Acq: 23 May 2024 20:13

Instrument :

BNA_N

ClientSampleId :

BH5N9

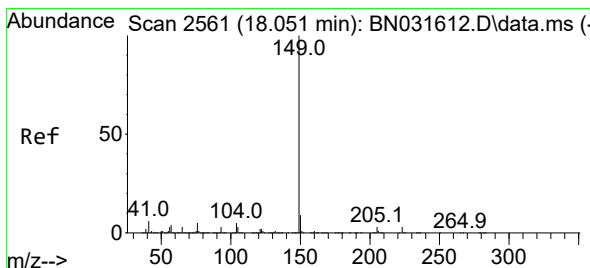
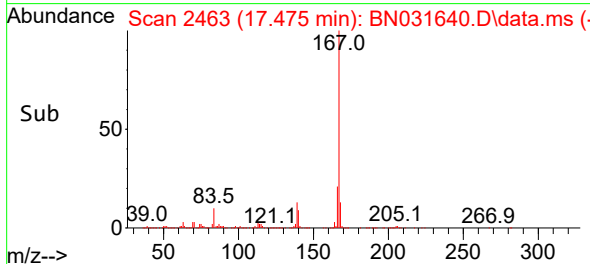
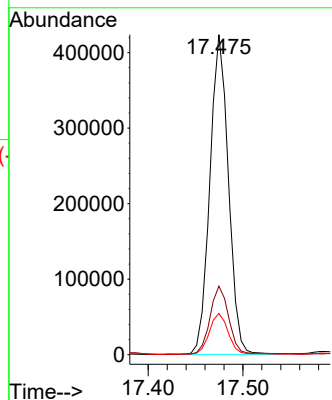
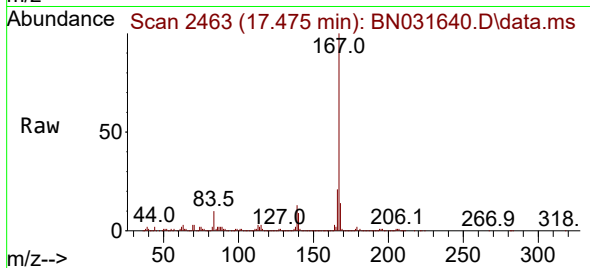
Tgt Ion:167 Resp: 576385

Ion Ratio Lower Upper

167 100

166 21.4 16.7 25.1

139 12.9 10.5 15.7



#78

Di-n-butylphthalate

Concen: 1.953 ng/ul

RT: 18.045 min Scan# 2560

Delta R.T. -0.006 min

Lab File: BN031640.D

Acq: 23 May 2024 20:13

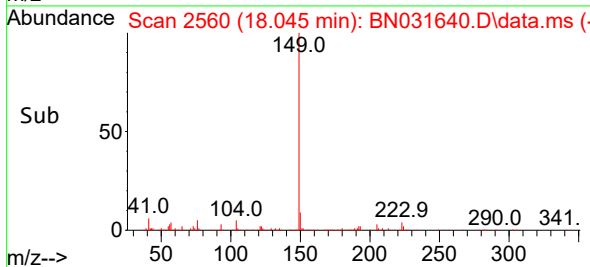
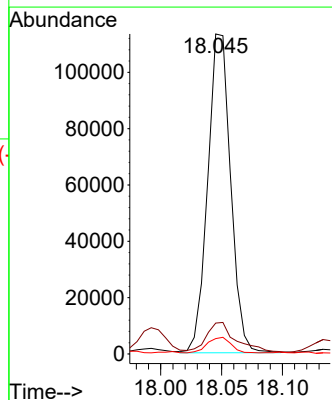
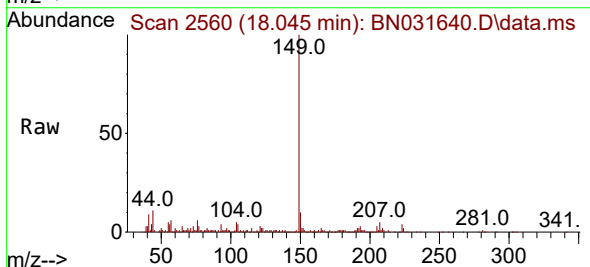
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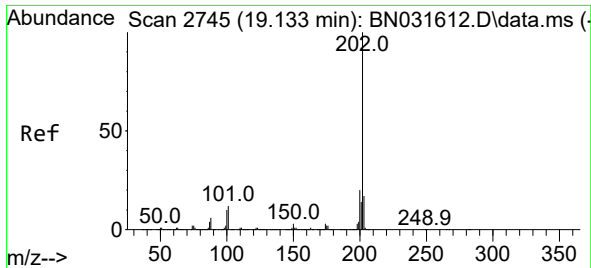
Ion Ratio Lower Upper

149 100

150 9.7 7.0 10.6

104 4.8 4.2 6.2

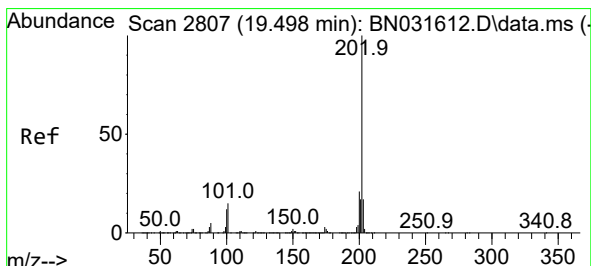
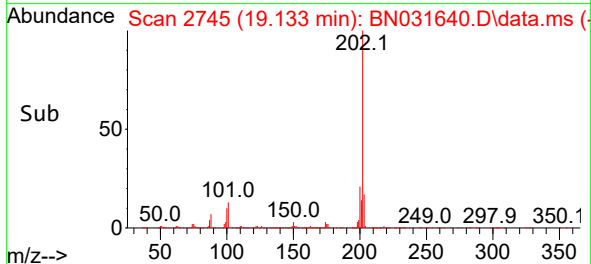
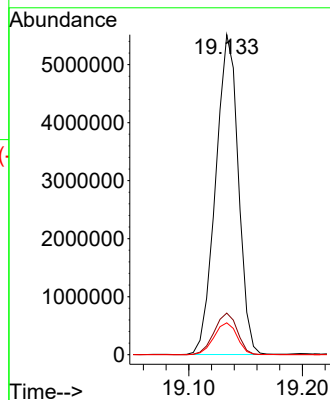
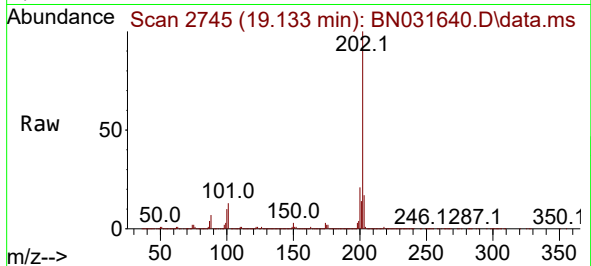




#80
Fluoranthene
Concen: 70.626 ng/ul
RT: 19.133 min Scan# 2745
Delta R.T. 0.000 min
Lab File: BN031640.D
Acq: 23 May 2024 20:13

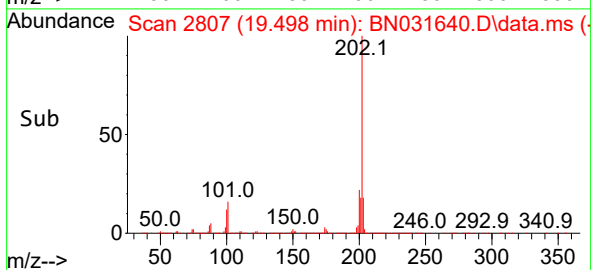
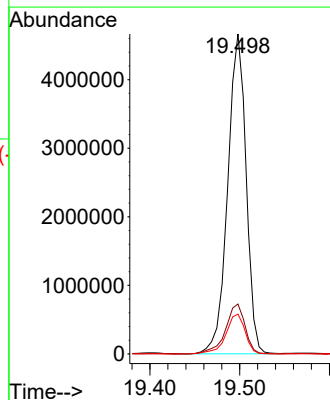
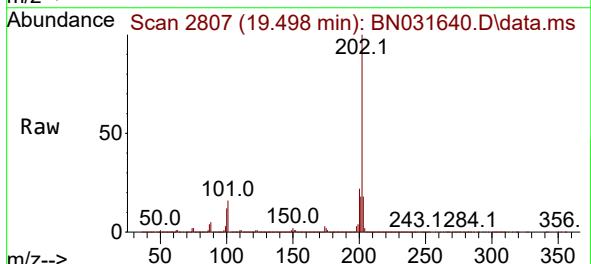
Instrument :
BNA_N
ClientSampleId :
BH5N9

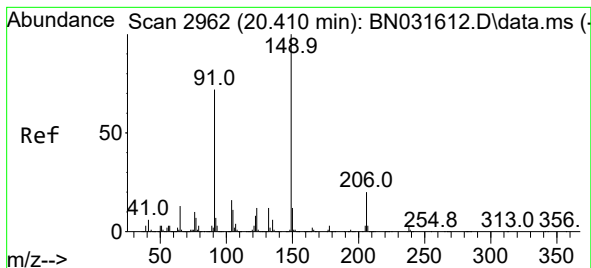
Tgt Ion:202 Resp: 7667203
Ion Ratio Lower Upper
202 100
101 13.0 10.1 15.1
100 10.0 8.0 12.0



#82
Pyrene
Concen: 59.678 ng/ul
RT: 19.498 min Scan# 2807
Delta R.T. 0.000 min
Lab File: BN031640.D
Acq: 23 May 2024 20:13

Tgt Ion:202 Resp: 6644080
Ion Ratio Lower Upper
202 100
101 15.6 11.4 17.2
100 12.5 9.3 13.9





#83

Butylbenzylphthalate

Concen: 3.661 ng/ul

RT: 20.404 min Scan# 2961

Delta R.T. -0.006 min

Lab File: BN031640.D

Acq: 23 May 2024 20:13

Instrument :

BNA_N

ClientSampleId :

BH5N9

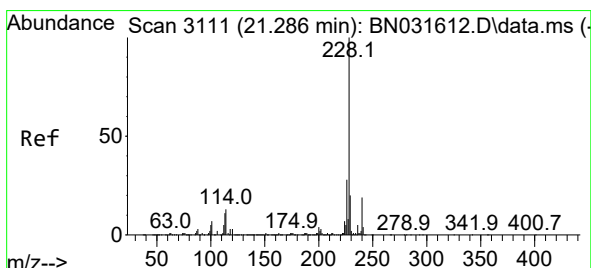
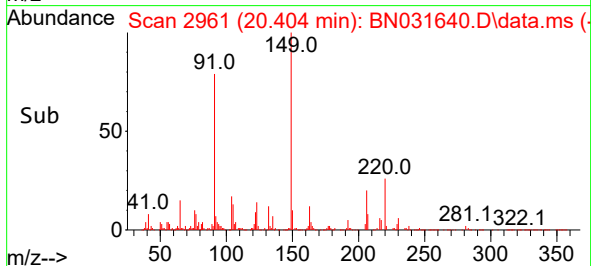
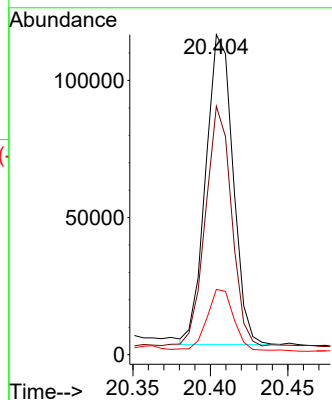
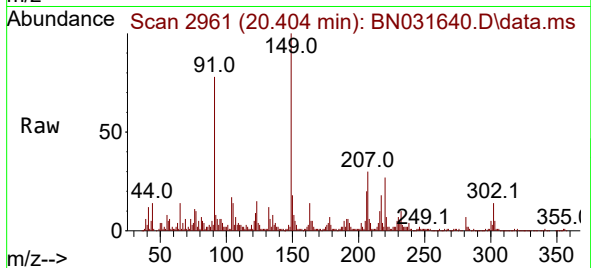
Tgt Ion:149 Resp: 138342

Ion Ratio Lower Upper

149 100

91 77.7 60.8 91.2

206 20.4 15.8 23.8



#85

Benzo(a)anthracene

Concen: 40.852 ng/ul

RT: 21.286 min Scan# 3111

Delta R.T. 0.000 min

Lab File: BN031640.D

Acq: 23 May 2024 20:13

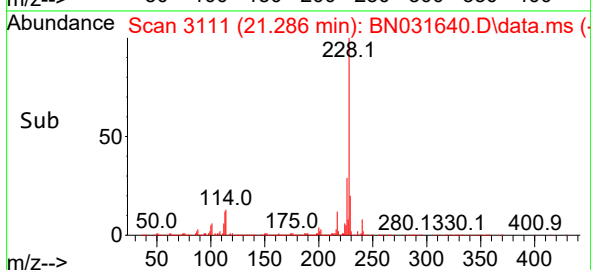
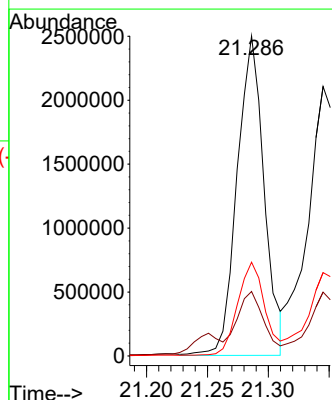
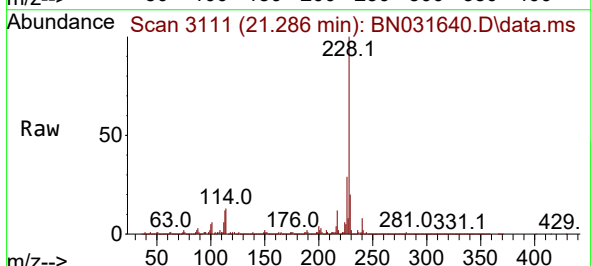
Tgt Ion:228 Resp: 3846497

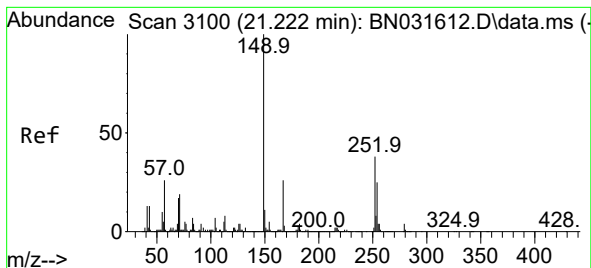
Ion Ratio Lower Upper

228 100

229 20.1 15.7 23.5

226 29.3 21.9 32.9

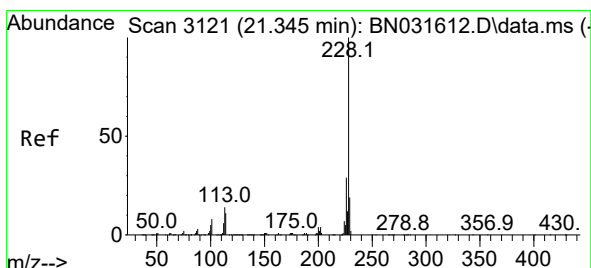
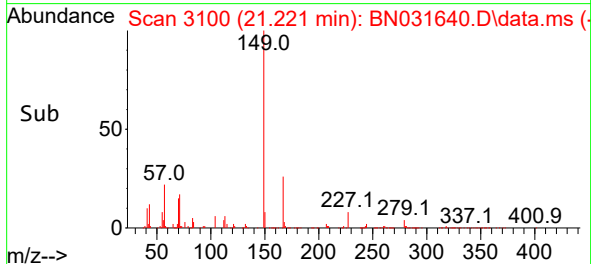
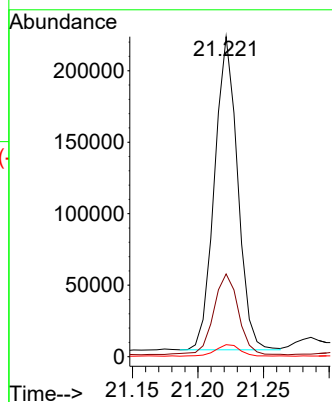
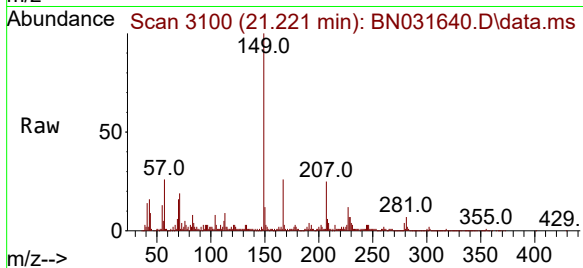




#86
 Bis(2-ethylhexyl)phthalate
 Concen: 5.166 ng/ul
 RT: 21.221 min Scan# 3100
 Delta R.T. 0.000 min
 Lab File: BN031640.D
 Acq: 23 May 2024 20:13

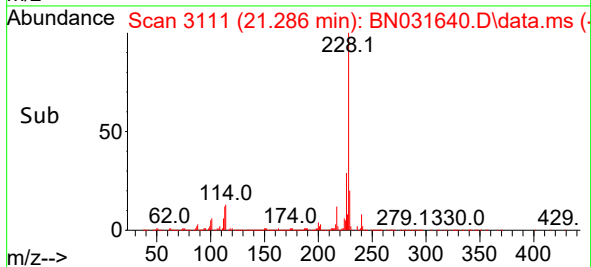
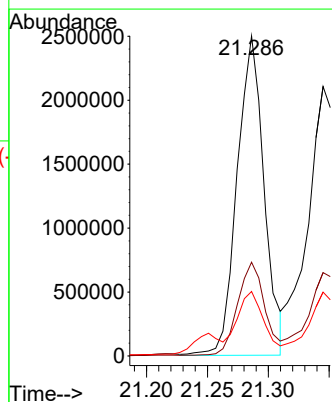
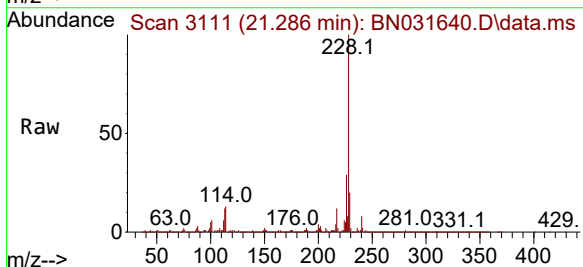
Instrument :
 BNA_N
 ClientSampleId :
 BH5N9

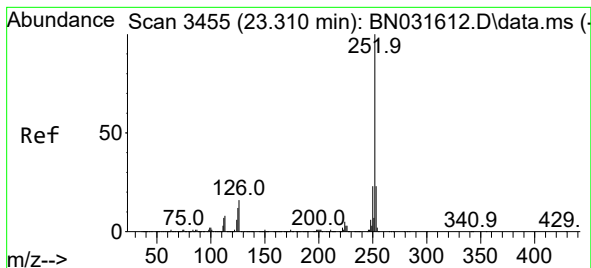
Tgt Ion:149 Resp: 267259
 Ion Ratio Lower Upper
 149 100
 167 25.8 21.6 32.4
 279 3.8 2.8 4.2



#87
 Chrysene
 Concen: 44.212 ng/ul
 RT: 21.286 min Scan# 3111
 Delta R.T. -0.059 min
 Lab File: BN031640.D
 Acq: 23 May 2024 20:13

Tgt Ion:228 Resp: 3845325
 Ion Ratio Lower Upper
 228 100
 226 29.3 22.9 34.3
 229 20.1 15.2 22.8





#90

Benzo(b)fluoranthene

Concen: 50.616 ng/ul

RT: 23.321 min Scan# 3455

Delta R.T. 0.012 min

Lab File: BN031640.D

Acq: 23 May 2024 20:13

Instrument :

BNA_N

ClientSampleId :

BH5N9

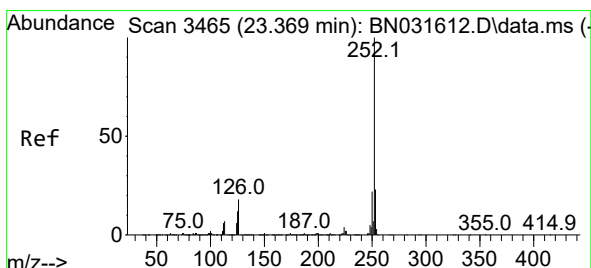
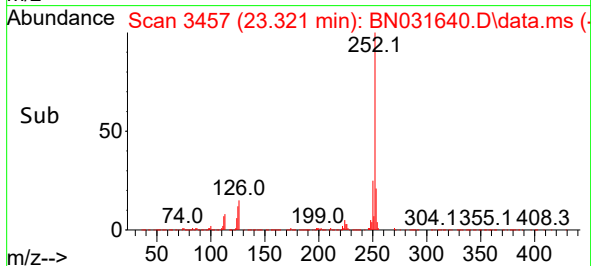
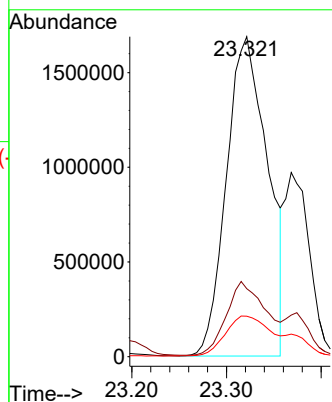
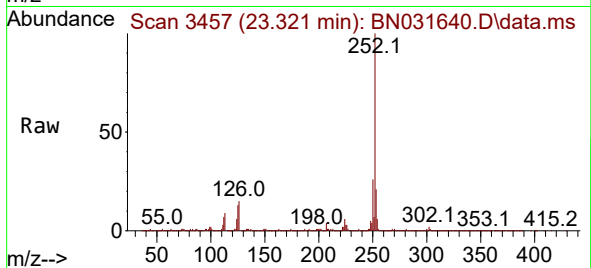
Tgt Ion:252 Resp: 5094710

Ion Ratio Lower Upper

252 100

253 21.2 16.8 25.2

125 12.7 9.3 13.9



#91

Benzo(k)fluoranthene

Concen: 16.827 ng/ul

RT: 23.368 min Scan# 3465

Delta R.T. 0.000 min

Lab File: BN031640.D

Acq: 23 May 2024 20:13

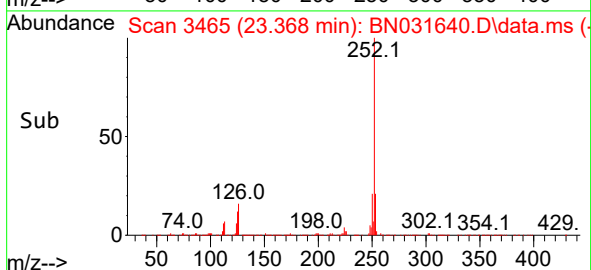
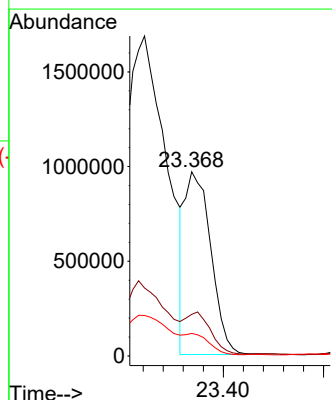
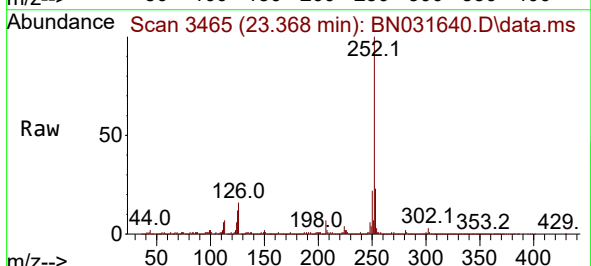
Tgt Ion:252 Resp: 1726565

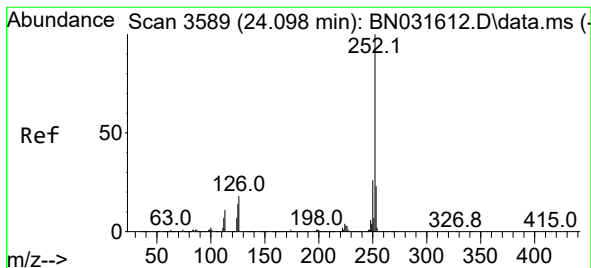
Ion Ratio Lower Upper

252 100

253 22.6 17.4 26.0

125 12.3 9.3 13.9





#93

Benzo(a)pyrene

Concen: 37.637 ng/ul

RT: 24.104 min Scan# 3

Delta R.T. 0.000 min

Lab File: BN031640.D

Acq: 23 May 2024 20:13

Instrument :

BNA_N

ClientSampleId :

BH5N9

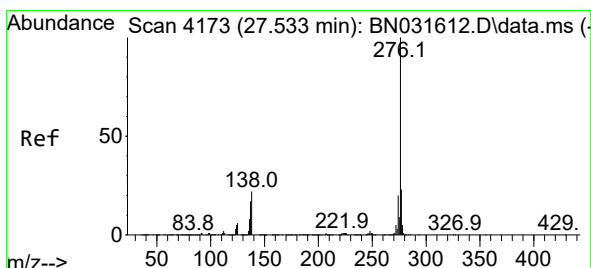
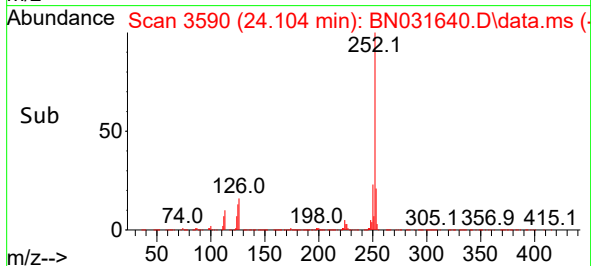
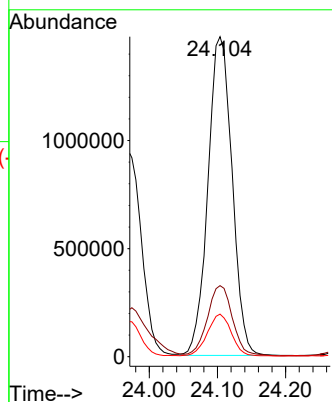
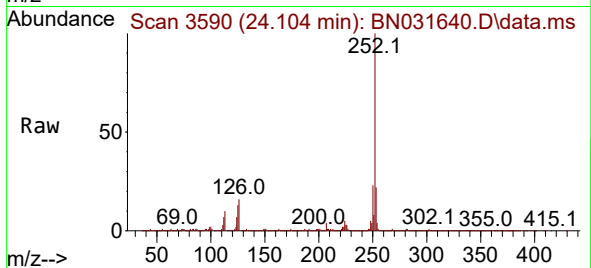
Tgt Ion:252 Resp: 3639004

Ion Ratio Lower Upper

252 100

253 22.2 16.6 24.8

125 13.3 9.8 14.8



#94

Indeno(1,2,3-cd)pyrene

Concen: 21.917 ng/ul

RT: 27.545 min Scan# 4175

Delta R.T. 0.012 min

Lab File: BN031640.D

Acq: 23 May 2024 20:13

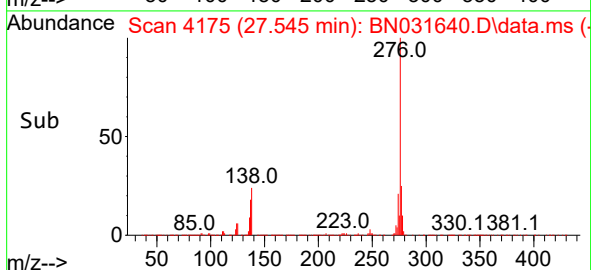
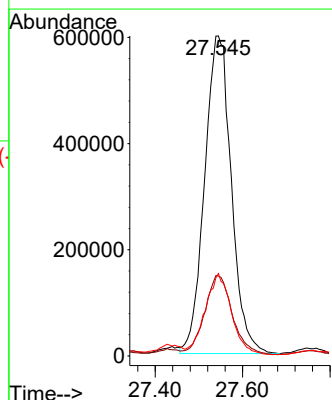
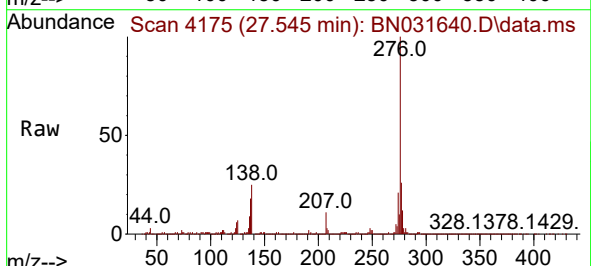
Tgt Ion:276 Resp: 2543324

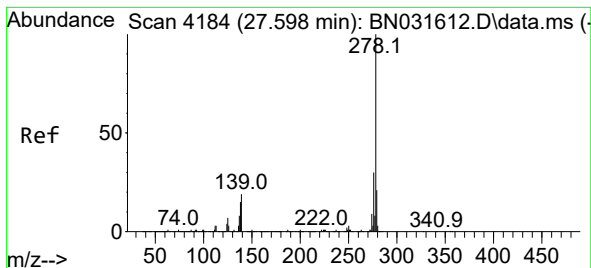
Ion Ratio Lower Upper

276 100

138 25.0 19.8 29.6

277 25.7 18.2 27.4





#95

Dibenzo(a,h)anthracene

Concen: 1.791 ng/ul

RT: 27.751 min Scan# 4184

Delta R.T. 0.159 min

Lab File: BN031640.D

Acq: 23 May 2024 20:13

Instrument :

BNA_N

ClientSampleId :

BH5N9

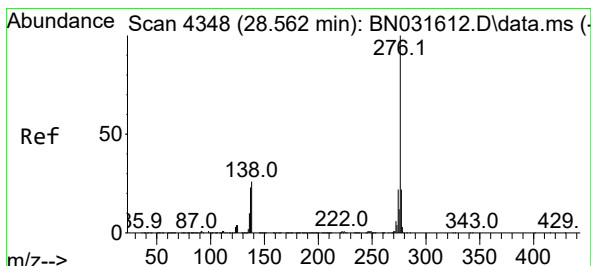
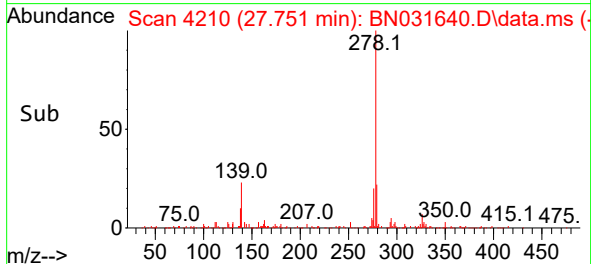
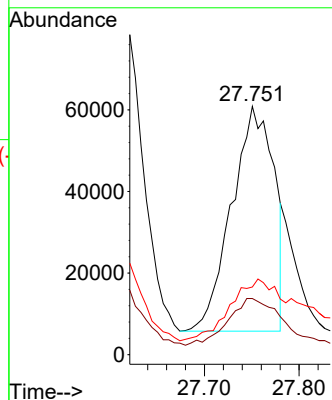
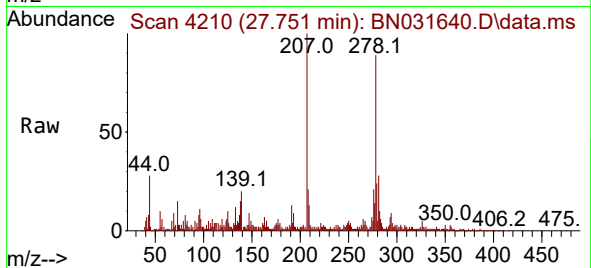
Tgt Ion:278 Resp: 171198

Ion Ratio Lower Upper

278 100

139 22.6 15.2 22.8

279 27.3 18.4 27.6



#96

Benzo(g,h,i)perylene

Concen: 24.934 ng/ul

RT: 28.574 min Scan# 4350

Delta R.T. 0.018 min

Lab File: BN031640.D

Acq: 23 May 2024 20:13

Tgt Ion:276 Resp: 2390500

Ion Ratio Lower Upper

276 100

138 26.1 19.5 29.3

277 23.5 17.6 26.4

