

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061224\
 Data File : BN031952.D
 Acq On : 12 Jun 2024 21:57
 Operator : MA/JU
 Sample : P2678-20
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BH689

Quant Time: Jun 12 22:55:24 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	7.664	152	502678	20.000	ng/ul	0.00
20) Naphthalene-d8	10.446	136	2134431	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.304	164	1244168	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.057	188	2039295	20.000	ng/ul	0.00
79) Chrysene-d12	21.292	240	1356888	20.000	ng/ul	0.00
88) Perylene-d12	24.227	264	1625952	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.181	96	43108	3.548	ng/uL	0.00
4) Pyridine-d5	3.587	84	225693	6.599	ng/ul	0.00
7) Phenol-d5	6.840	99	941576	21.850	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.005	67	532894	21.141	ng/ul	0.00
11) 2-Chlorophenol-d4	7.199	132	783738	23.835	ng/ul	0.00
15) 4-Methylphenol-d8	8.369	113	722856	20.578	ng/ul	0.00
21) Nitrobenzene-d5	8.822	128	390120	23.905	ng/ul	0.00
24) 2-Nitrophenol-d4	9.534	143	432277	25.642	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.069	165	744475	23.655	ng/ul	0.00
31) 4-Chloroaniline-d4	10.587	131	565206	12.095	ng/ul	0.00
46) Dimethylphthalate-d6	13.722	166	2102034	24.252	ng/ul	0.00
49) Acenaphthylene-d8	13.998	160	2433909	24.421	ng/ul	0.00
54) 4-Nitrophenol-d4	14.528	143	282052	16.252	ng/ul	0.00
60) Fluorene-d10	15.304	176	1690650	23.053	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.434	200	154563	15.079	ng/ul	0.00
73) Anthracene-d10	17.151	188	2165457	24.803	ng/ul	0.00
81) Pyrene-d10	19.457	212	1711839	23.576	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.021	264	1383903	17.825	ng/ul	0.00
Target Compounds						
					Qvalue	
6) Benzaldehyde	6.811	77	20758	1.027	ng/ul#	1
16) Acetophenone	8.481	105	62947	1.182	ng/ul	95
30) Naphthalene	10.493	128	122181	1.106	ng/ul	98
36) 2-Methylnaphthalene	12.110	142	87492	1.159	ng/ul	97
50) Acenaphthylene	14.028	152	211241	1.875	ng/ul	99
52) Acenaphthene	14.369	153	91965	1.234	ng/ul	97
56) Dibenzofuran	14.704	168	111796	1.104	ng/ul	93
61) Fluorene	15.357	166	112717	1.382	ng/ul	95
72) Phenanthrene	17.098	178	2102882	20.243	ng/ul	99
74) Anthracene	17.187	178	450377	4.279	ng/ul	99
77) Carbazole	17.463	167	208782	2.326	ng/ul	99
80) Fluoranthene	19.122	202	3113350	35.878	ng/ul	97
82) Pyrene	19.486	202	2327008	26.137	ng/ul	96
83) Butylbenzylphthalate	20.392	149	51189	1.217	ng/ul	91
85) Benzo(a)anthracene	21.275	228	1354360	14.912	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.198	149	99817	1.628	ng/ul#	99
87) Chrysene	21.275	228	1341538	15.814	ng/ul	96
90) Benzo(b)fluoranthene	23.298	252	2044280	21.035	ng/ul	99
91) Benzo(k)fluoranthene	23.298	252	2044280	21.436	ng/ul	100
93) Benzo(a)pyrene	24.086	252	843030	9.262	ng/ul	94
94) Indeno(1,2,3-cd)pyrene	27.521	276	814861	7.769	ng/ul	96
95) Dibenzo(a,h)anthracene	27.562	278	264423	3.088	ng/ul#	86
96) Benzo(g,h,i)perylene	28.551	276	112315	1.347	ng/ul#	92

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Quant Title : SVOA CALIBRATION
QLast Update : Tue Jun 11 22:28:10 2024
Response via : Initial Calibration

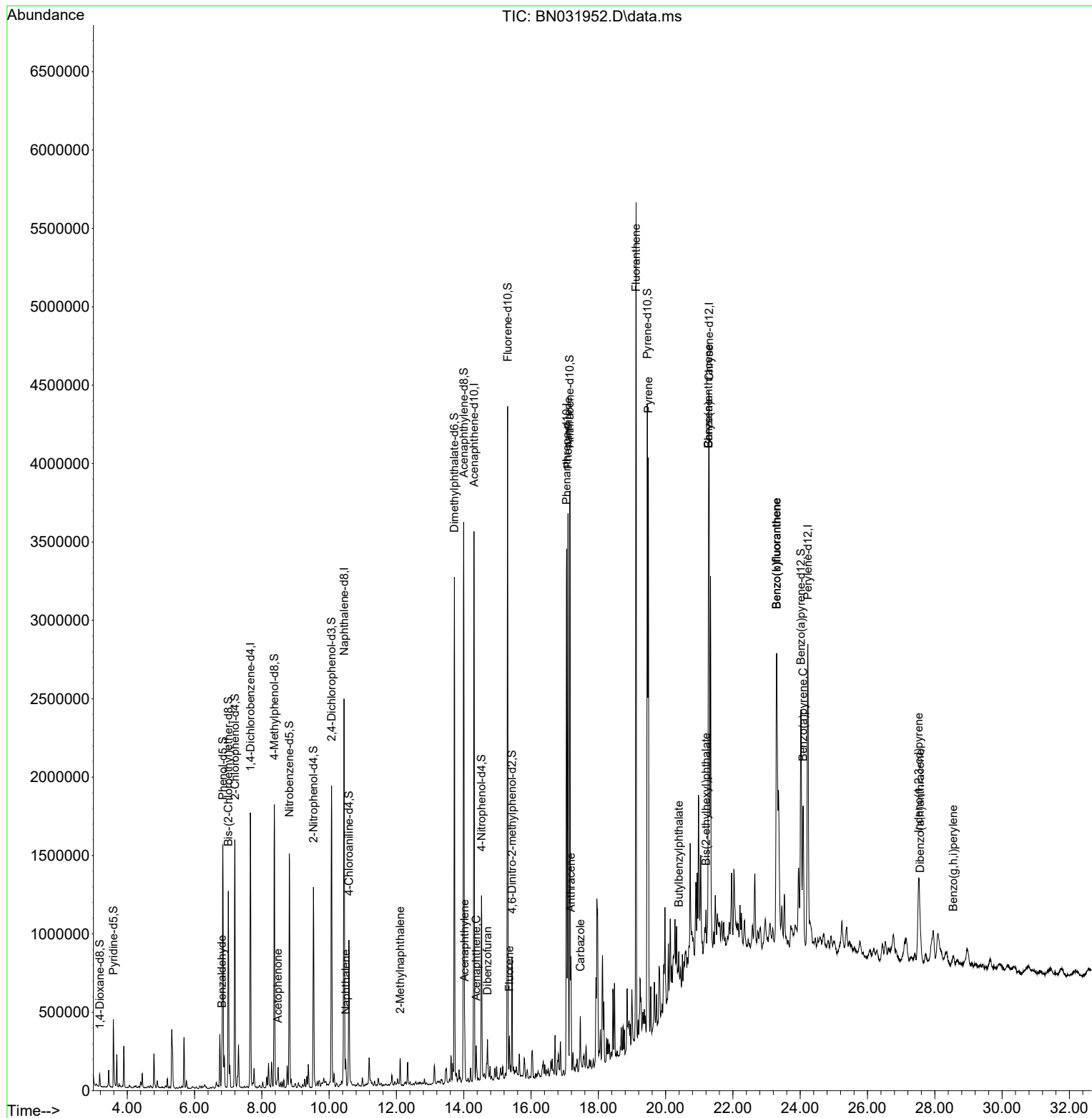
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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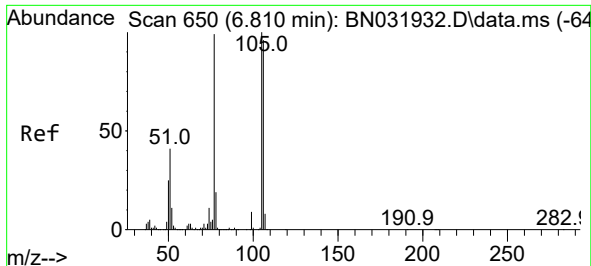
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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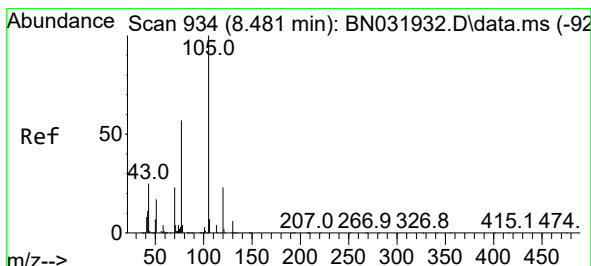
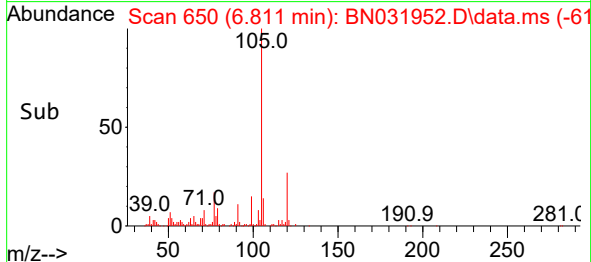
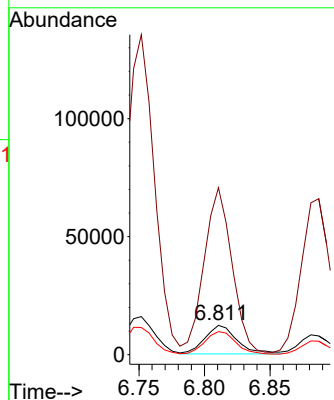
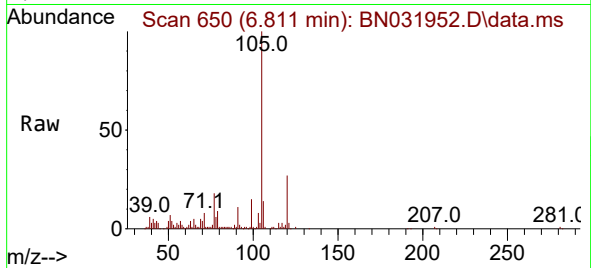




#6
Benzaldehyde
Concen: 1.027 ng/ul
RT: 6.811 min Scan# 610
Delta R.T. 0.000 min
Lab File: BN031952.D
Acq: 12 Jun 2024 21:57

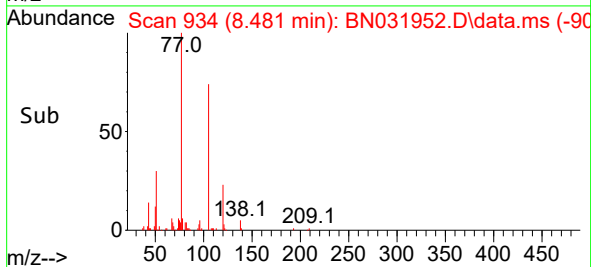
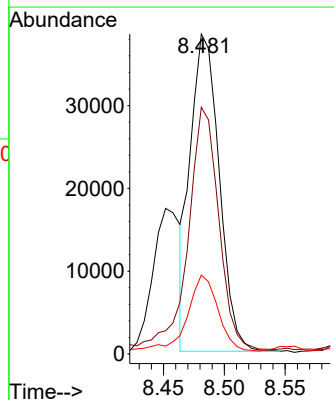
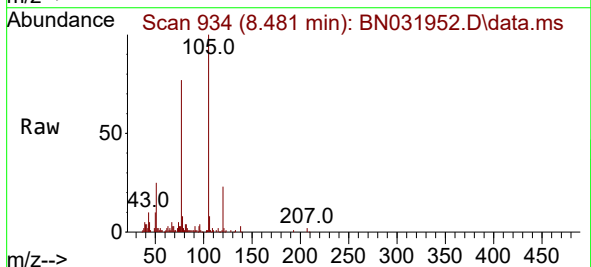
Instrument :
BNA_N
ClientSampleId :
BH689

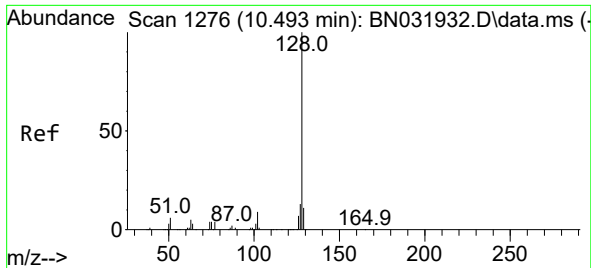
Tgt Ion: 77 Resp: 20758
Ion Ratio Lower Upper
77 100
105 570.1 80.2 120.4#
106 78.6 76.8 115.2



#16
Acetophenone
Concen: 1.182 ng/ul
RT: 8.481 min Scan# 934
Delta R.T. 0.000 min
Lab File: BN031952.D
Acq: 12 Jun 2024 21:57

Tgt Ion: 105 Resp: 62947
Ion Ratio Lower Upper
105 100
77 77.1 58.6 87.8
51 24.7 17.2 25.8

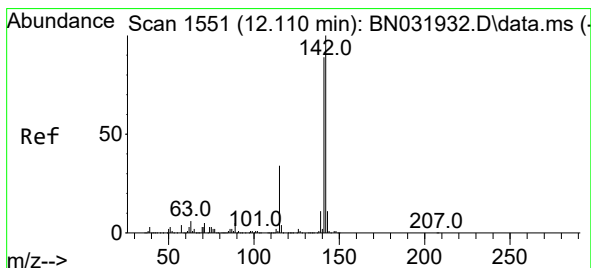
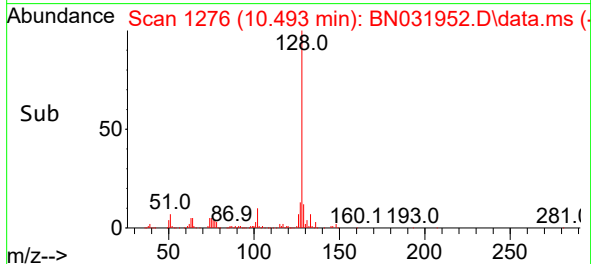
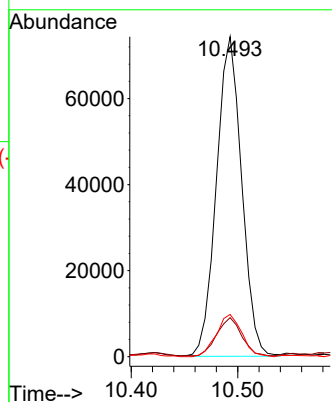
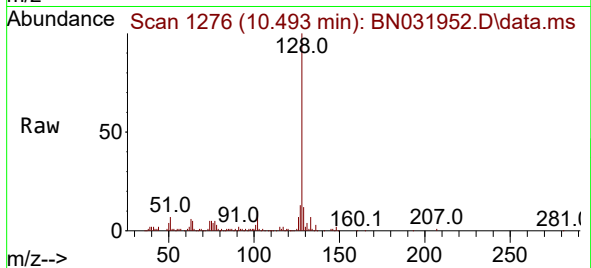




#30
Naphthalene
Concen: 1.106 ng/ul
RT: 10.493 min Scan# 1276
Delta R.T. 0.000 min
Lab File: BN031952.D
Acq: 12 Jun 2024 21:57

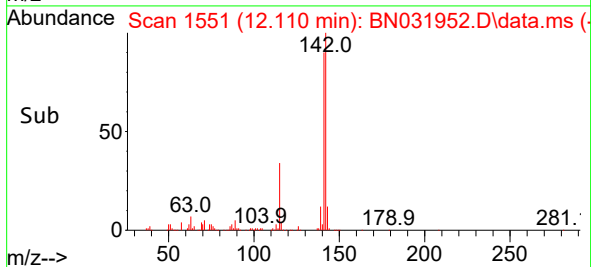
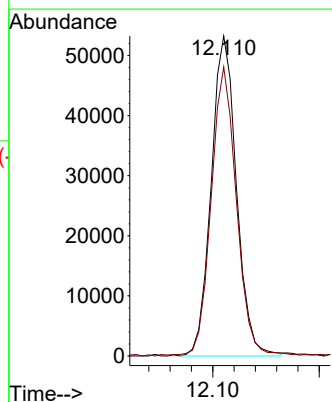
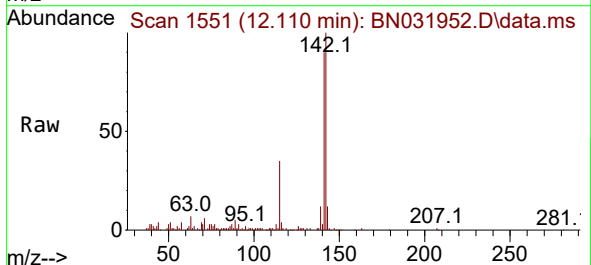
Instrument :
BNA_N
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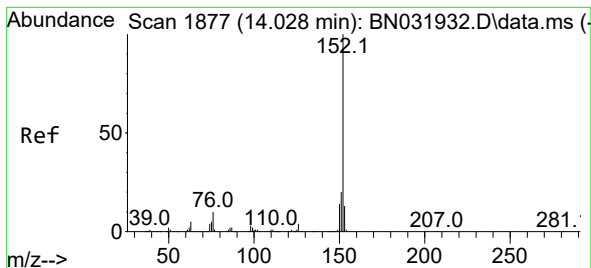
Tgt Ion:128 Resp: 122181
Ion Ratio Lower Upper
128 100
129 12.2 8.5 12.7
127 13.2 10.3 15.5



#36
2-Methylnaphthalene
Concen: 1.159 ng/ul
RT: 12.110 min Scan# 1551
Delta R.T. 0.000 min
Lab File: BN031952.D
Acq: 12 Jun 2024 21:57

Tgt Ion:142 Resp: 87492
Ion Ratio Lower Upper
142 100
141 90.3 70.1 105.1





#50

Acenaphthylene

Concen: 1.875 ng/ul

RT: 14.028 min Scan# 1877

Delta R.T. 0.000 min

Lab File: BN031952.D

Acq: 12 Jun 2024 21:57

Instrument :

BNA_N

ClientSampleId :

BH689

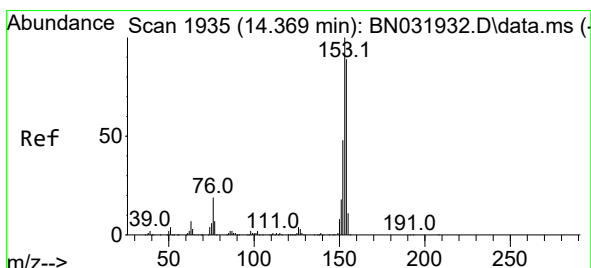
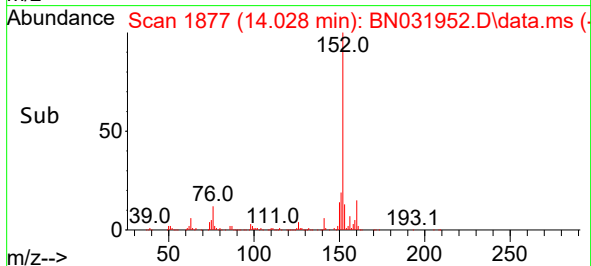
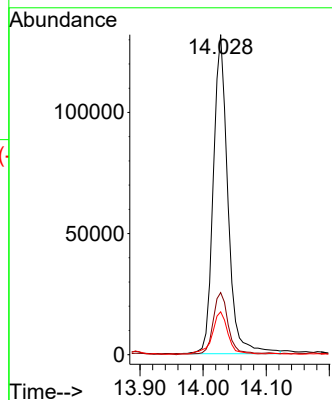
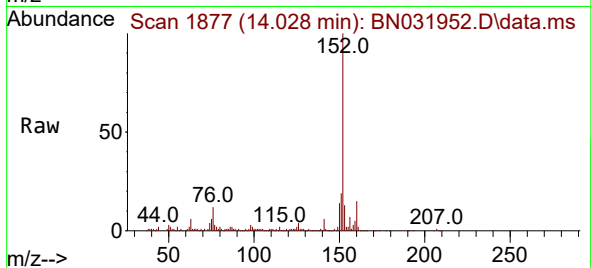
Tgt Ion:152 Resp: 211241

Ion Ratio Lower Upper

152 100

151 19.4 15.9 23.9

153 13.4 10.4 15.6



#52

Acenaphthene

Concen: 1.234 ng/ul

RT: 14.369 min Scan# 1935

Delta R.T. 0.000 min

Lab File: BN031952.D

Acq: 12 Jun 2024 21:57

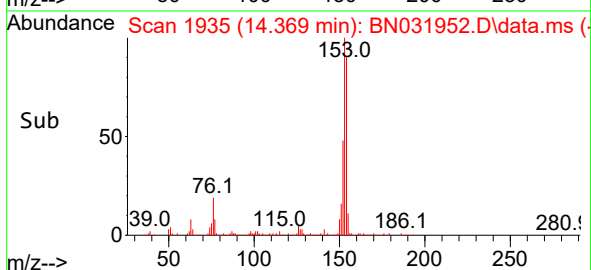
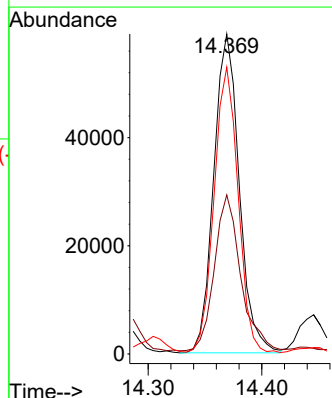
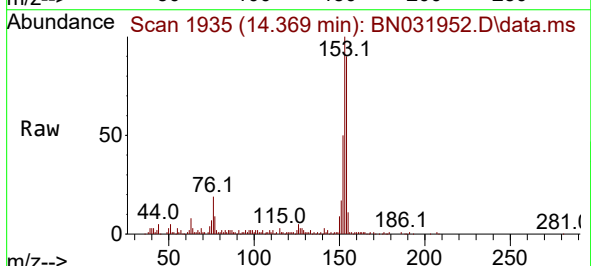
Tgt Ion:153 Resp: 91965

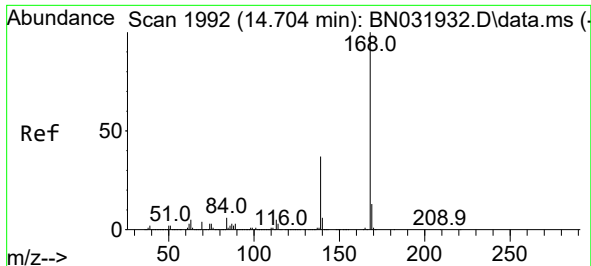
Ion Ratio Lower Upper

153 100

152 49.7 37.8 56.6

154 89.6 69.8 104.8

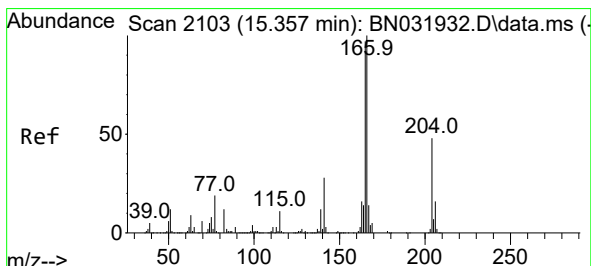
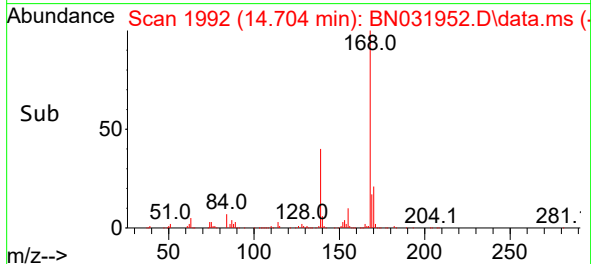
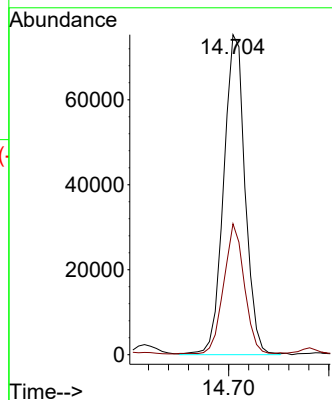
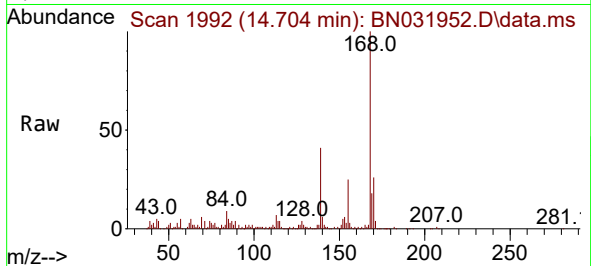




#56
Dibenzofuran
Concen: 1.104 ng/ul
RT: 14.704 min Scan# 1992
Delta R.T. 0.000 min
Lab File: BN031952.D
Acq: 12 Jun 2024 21:57

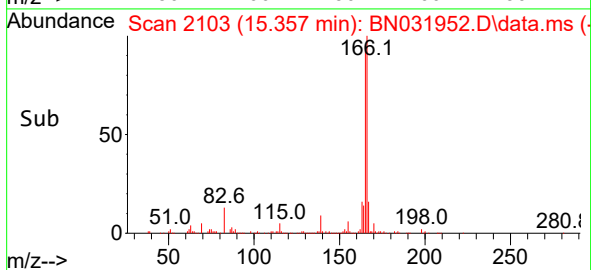
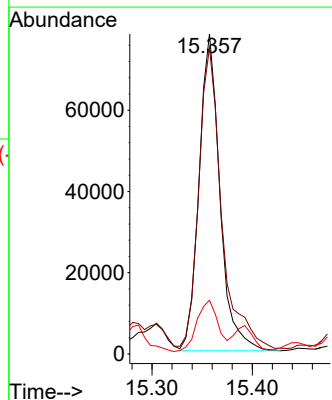
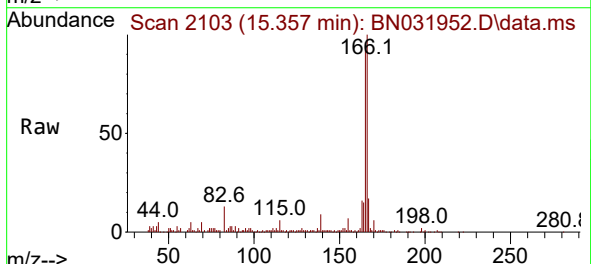
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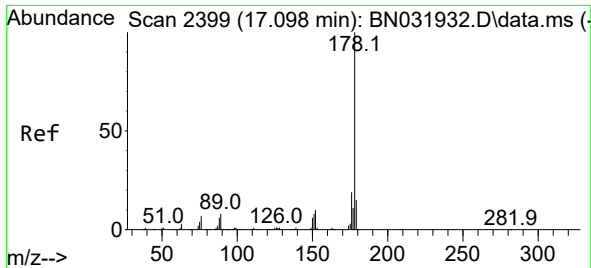
Tgt Ion:168 Resp: 111796
Ion Ratio Lower Upper
168 100
139 40.9 29.4 44.0



#61
Fluorene
Concen: 1.382 ng/ul
RT: 15.357 min Scan# 2103
Delta R.T. 0.000 min
Lab File: BN031952.D
Acq: 12 Jun 2024 21:57

Tgt Ion:166 Resp: 112717
Ion Ratio Lower Upper
166 100
165 95.8 80.3 120.5
167 16.8 11.3 16.9

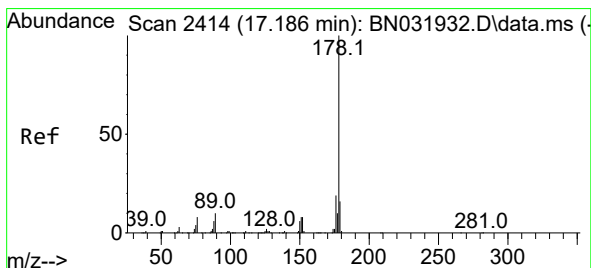
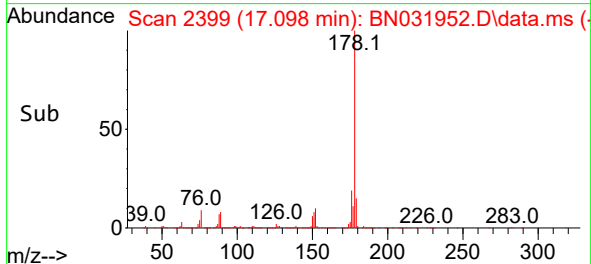
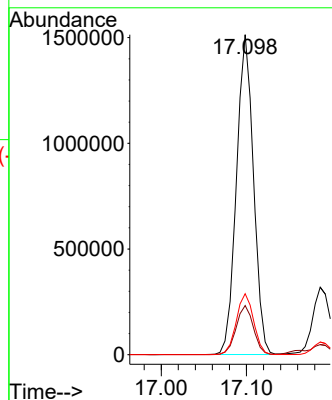
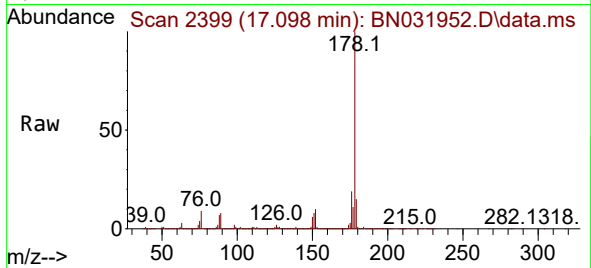




#72
Phenanthrene
Concen: 20.243 ng/ul
RT: 17.098 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN031952.D
Acq: 12 Jun 2024 21:57

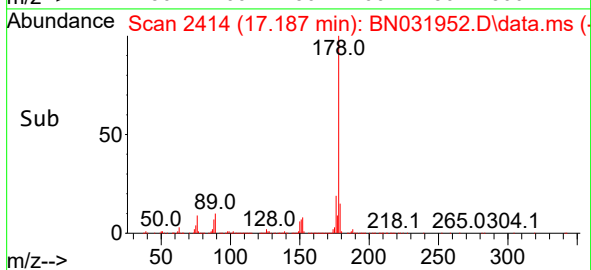
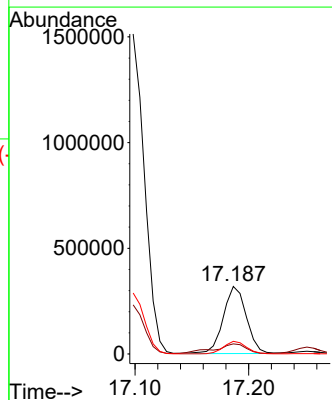
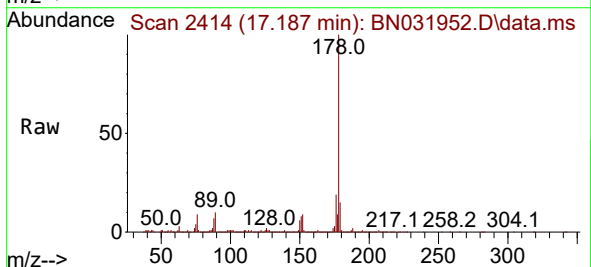
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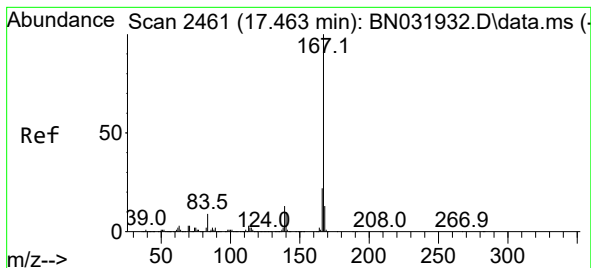
Tgt Ion:178 Resp: 2102882
Ion Ratio Lower Upper
178 100
179 15.3 12.6 19.0
176 19.0 15.8 23.6



#74
Anthracene
Concen: 4.279 ng/ul
RT: 17.187 min Scan# 2414
Delta R.T. 0.000 min
Lab File: BN031952.D
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Tgt Ion:178 Resp: 450377
Ion Ratio Lower Upper
178 100
179 14.9 11.8 17.6
176 18.8 14.8 22.2





#77

Carbazole

Concen: 2.326 ng/ul

RT: 17.463 min Scan# 2461

Delta R.T. 0.000 min

Lab File: BN031952.D

Acq: 12 Jun 2024 21:57

Instrument :

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ClientSampleId :

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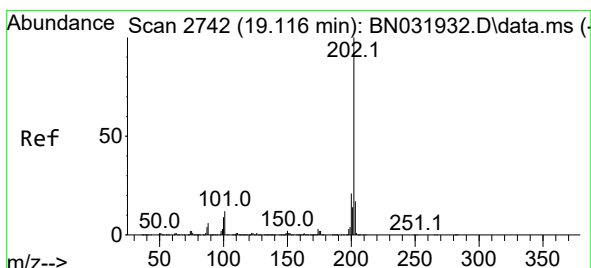
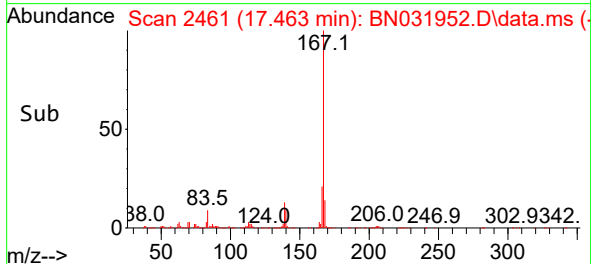
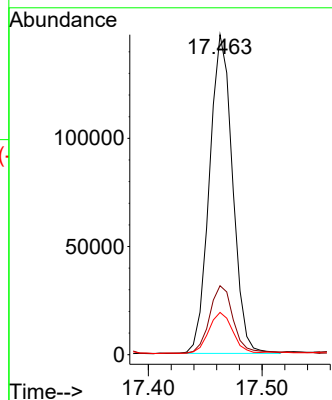
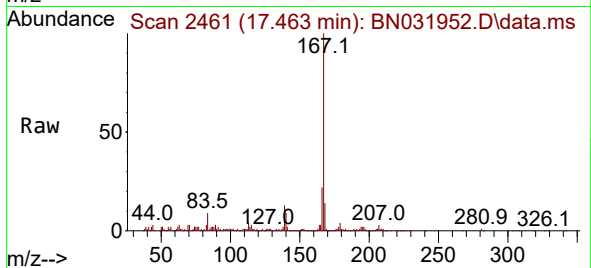
Tgt Ion:167 Resp: 208782

Ion Ratio Lower Upper

167 100

166 21.5 17.9 26.9

139 13.2 10.5 15.7



#80

Fluoranthene

Concen: 35.878 ng/ul

RT: 19.122 min Scan# 2743

Delta R.T. 0.006 min

Lab File: BN031952.D

Acq: 12 Jun 2024 21:57

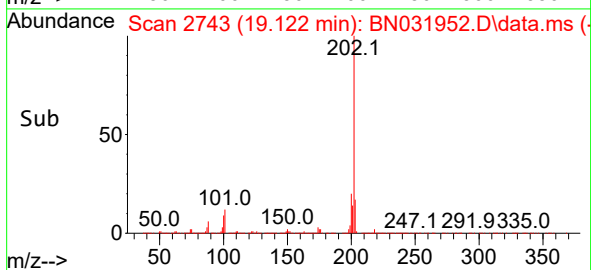
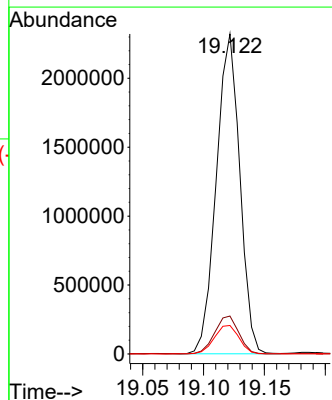
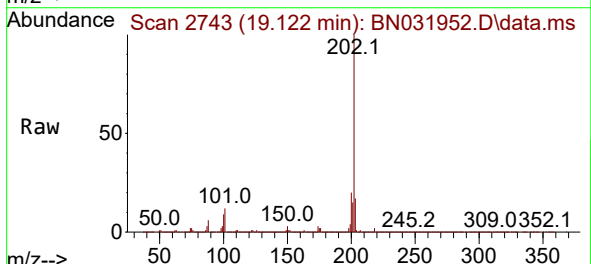
Tgt Ion:202 Resp: 3113350

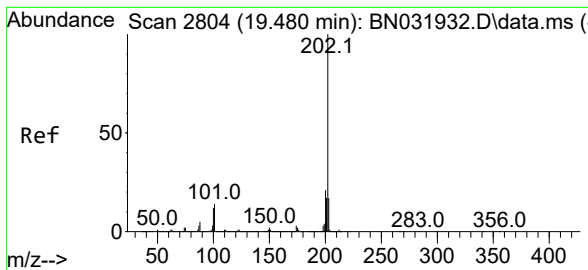
Ion Ratio Lower Upper

202 100

101 11.8 10.3 15.5

100 8.9 8.0 12.0





#82

Pyrene

Concen: 26.137 ng/ul

RT: 19.486 min Scan# 2804

Delta R.T. 0.000 min

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ClientSampleId :

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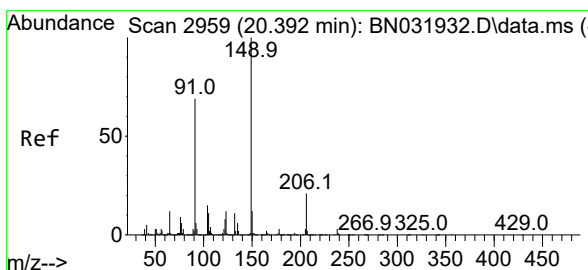
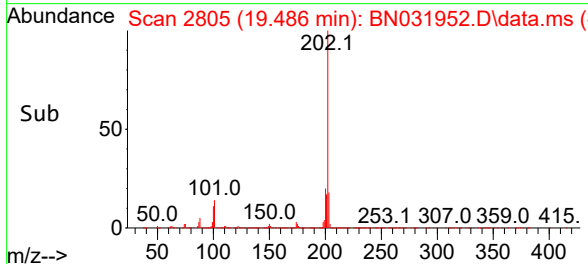
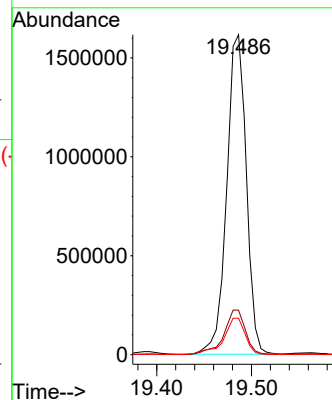
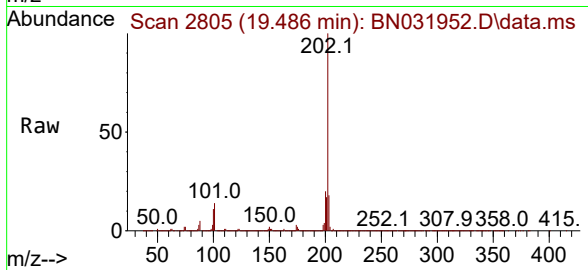
Tgt Ion:202 Resp: 2327008

Ion Ratio Lower Upper

202 100

101 13.9 12.6 18.8

100 11.4 10.2 15.2



#83

Butylbenzylphthalate

Concen: 1.217 ng/ul

RT: 20.392 min Scan# 2959

Delta R.T. 0.000 min

Lab File: BN031952.D

Acq: 12 Jun 2024 21:57

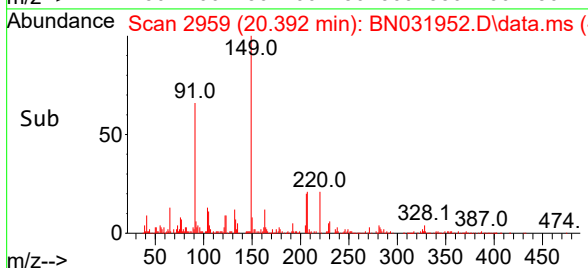
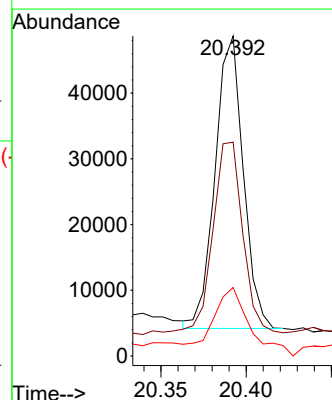
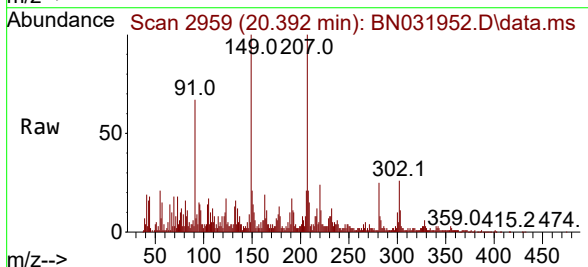
Tgt Ion:149 Resp: 51189

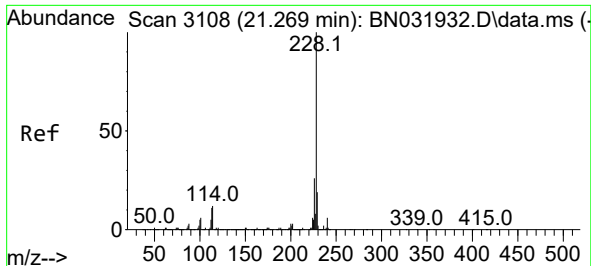
Ion Ratio Lower Upper

149 100

91 66.8 61.0 91.4

206 21.4 16.5 24.7

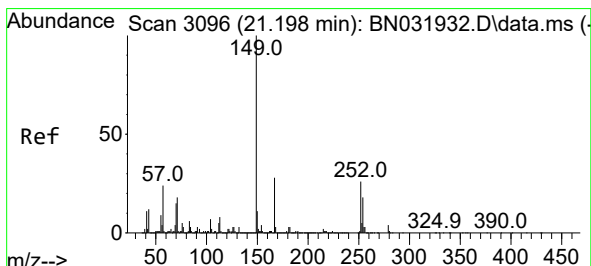
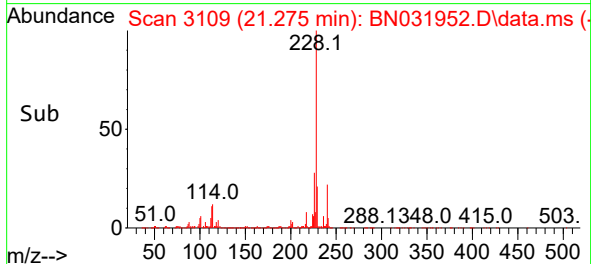
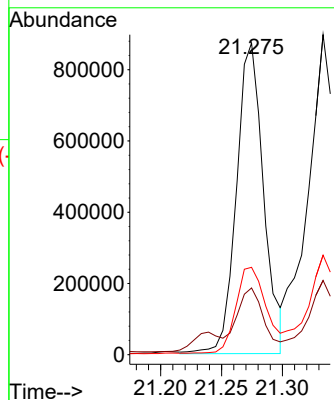
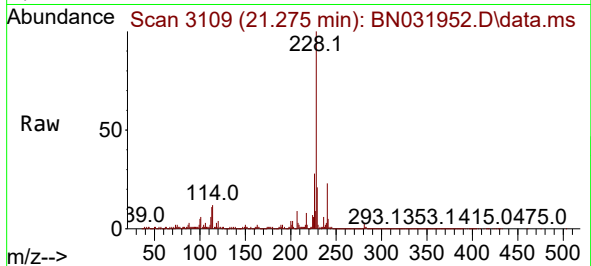




#85
Benzo(a)anthracene
Concen: 14.912 ng/ul
RT: 21.275 min Scan# 3108
Delta R.T. 0.000 min
Lab File: BN031952.D
Acq: 12 Jun 2024 21:57

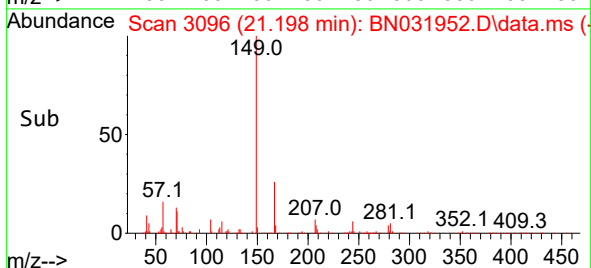
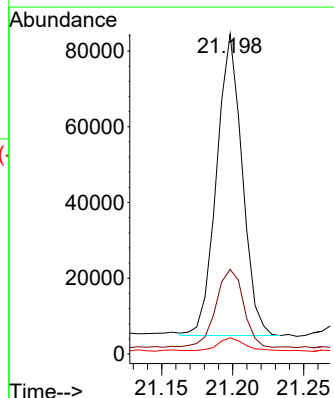
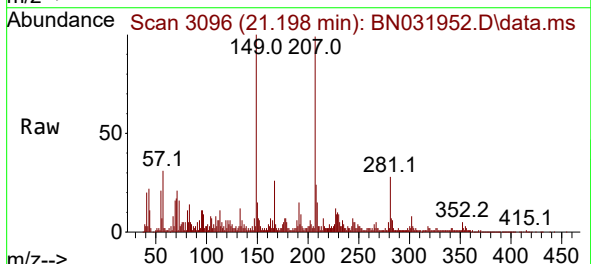
Instrument :
BNA_N
ClientSampleId :
BH689

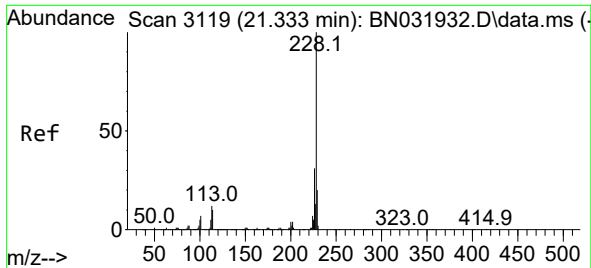
Tgt Ion:228 Resp: 1354360
Ion Ratio Lower Upper
228 100
229 21.4 16.7 25.1
226 28.0 22.8 34.2



#86
Bis(2-ethylhexyl)phthalate
Concen: 1.628 ng/ul
RT: 21.198 min Scan# 3096
Delta R.T. -0.006 min
Lab File: BN031952.D
Acq: 12 Jun 2024 21:57

Tgt Ion:149 Resp: 99817
Ion Ratio Lower Upper
149 100
167 26.4 21.4 32.0
279 5.1 3.3 4.9#





#87

Chrysene

Concen: 15.814 ng/ul

RT: 21.275 min Scan# 3119

Delta R.T. -0.059 min

Lab File: BN031952.D

Acq: 12 Jun 2024 21:57

Instrument :

BNA_N

ClientSampleId :

BH689

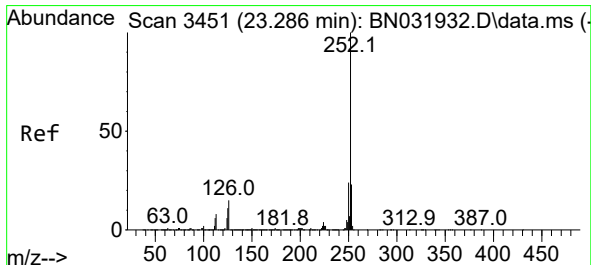
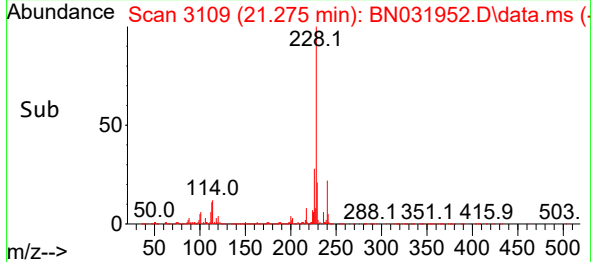
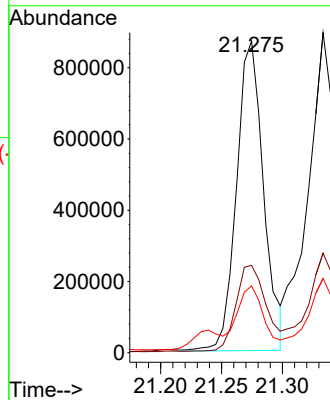
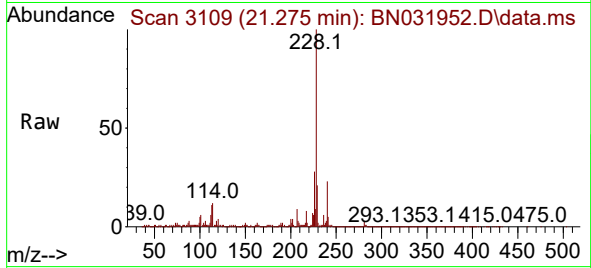
Tgt Ion:228 Resp: 1341538

Ion Ratio Lower Upper

228 100

226 28.0 23.7 35.5

229 21.4 15.1 22.7



#90

Benzo(b)fluoranthene

Concen: 21.035 ng/ul

RT: 23.298 min Scan# 3453

Delta R.T. 0.006 min

Lab File: BN031952.D

Acq: 12 Jun 2024 21:57

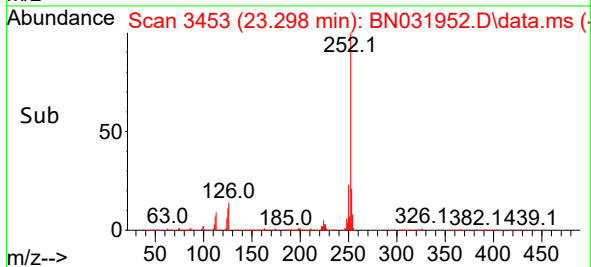
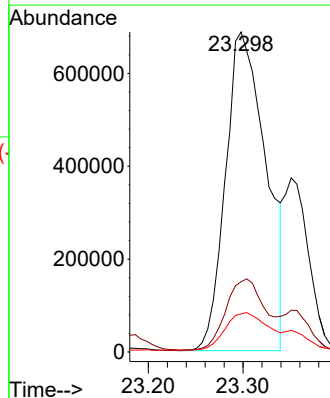
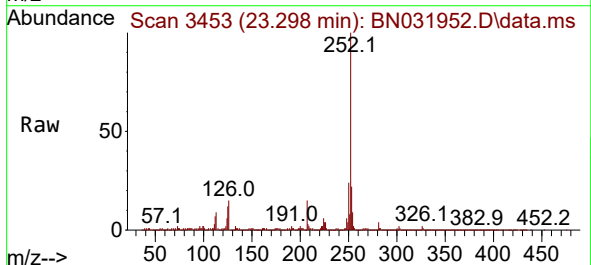
Tgt Ion:252 Resp: 2044280

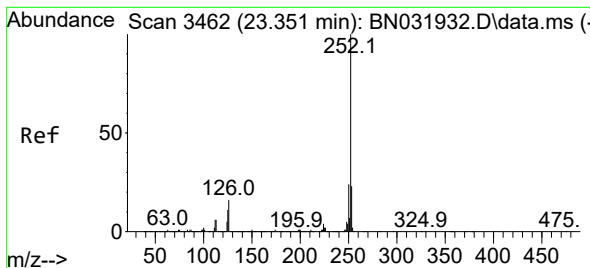
Ion Ratio Lower Upper

252 100

253 21.9 17.0 25.6

125 11.9 9.2 13.8





#91

Benzo(k)fluoranthene

Concen: 21.436 ng/ul

RT: 23.298 min Scan# 3462

Delta R.T. -0.053 min

Lab File: BN031952.D

Acq: 12 Jun 2024 21:57

Instrument :

BNA_N

ClientSampleId :

BH689

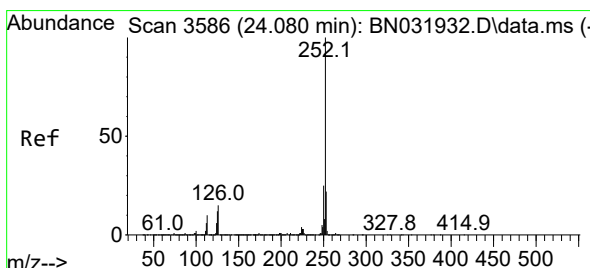
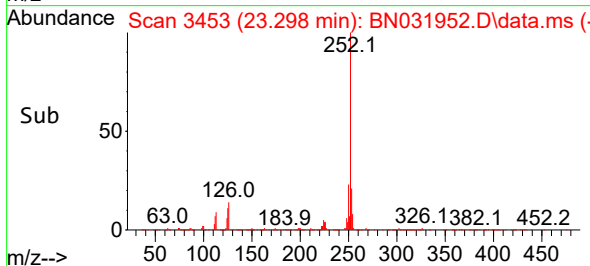
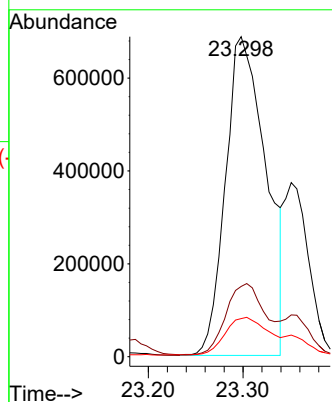
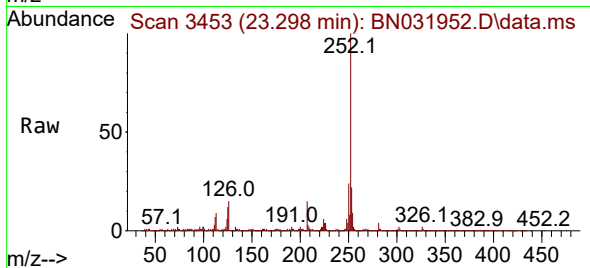
Tgt Ion:252 Resp: 2044280

Ion Ratio Lower Upper

252 100

253 21.9 17.6 26.4

125 11.9 9.4 14.2



#93

Benzo(a)pyrene

Concen: 9.262 ng/ul

RT: 24.086 min Scan# 3587

Delta R.T. 0.006 min

Lab File: BN031952.D

Acq: 12 Jun 2024 21:57

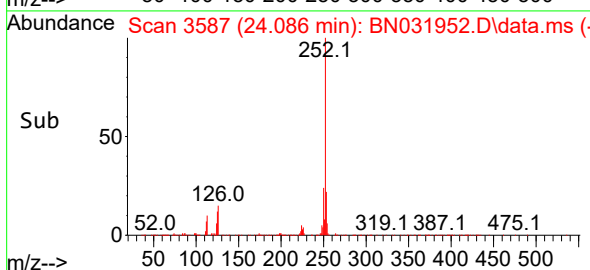
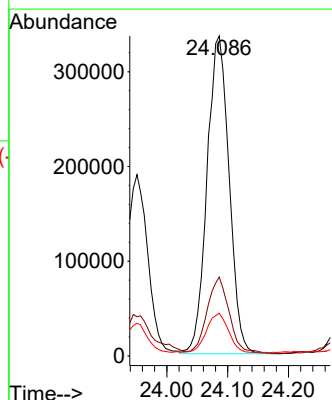
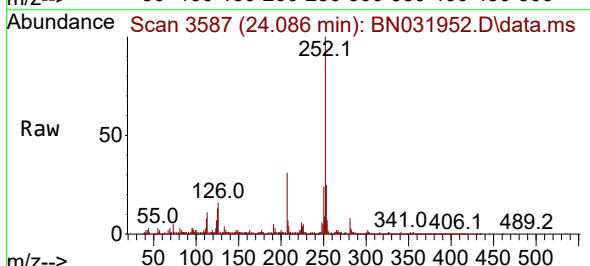
Tgt Ion:252 Resp: 843030

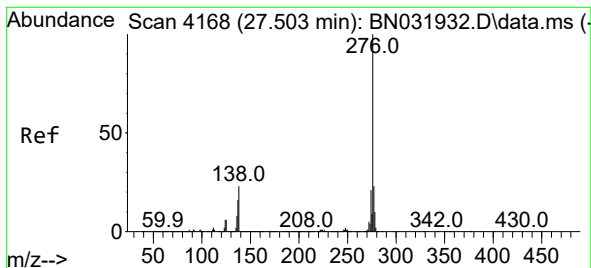
Ion Ratio Lower Upper

252 100

253 24.7 16.6 24.8

125 13.4 9.8 14.8





#94

Indeno(1,2,3-cd)pyrene

Concen: 7.769 ng/ul

RT: 27.521 min Scan# 41

Delta R.T. 0.006 min

Lab File: BN031952.D

Acq: 12 Jun 2024 21:57

Instrument :

BNA_N

ClientSampleId :

BH689

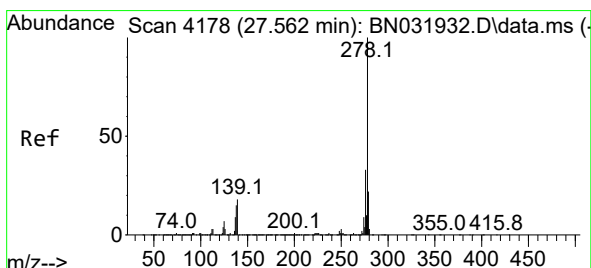
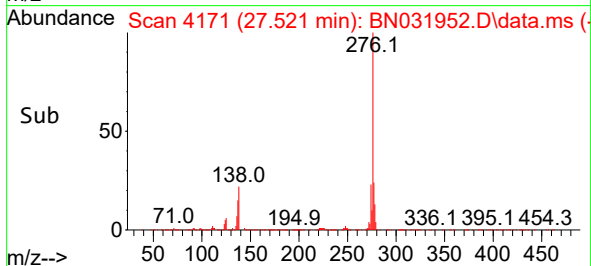
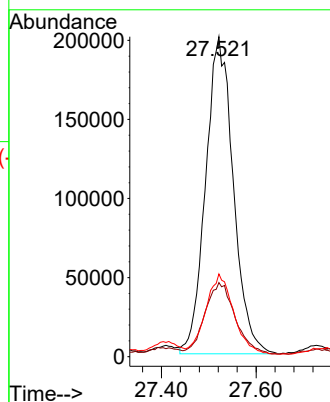
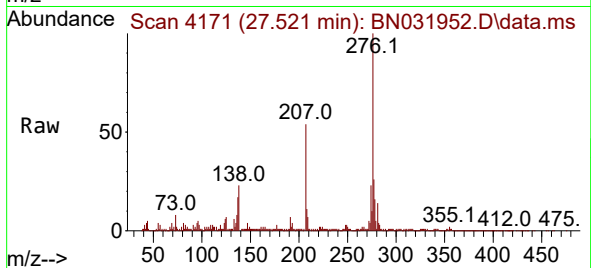
Tgt Ion:276 Resp: 814861

Ion Ratio Lower Upper

276 100

138 23.1 18.1 27.1

277 25.8 18.2 27.2



#95

Dibenzo(a,h)anthracene

Concen: 3.088 ng/ul

RT: 27.562 min Scan# 4178

Delta R.T. -0.017 min

Lab File: BN031952.D

Acq: 12 Jun 2024 21:57

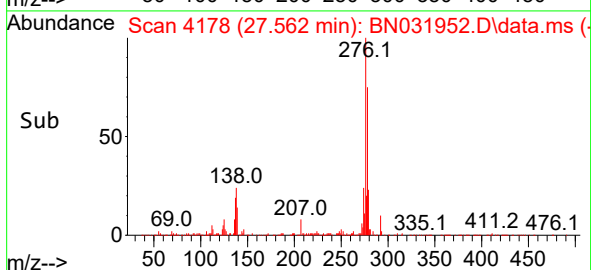
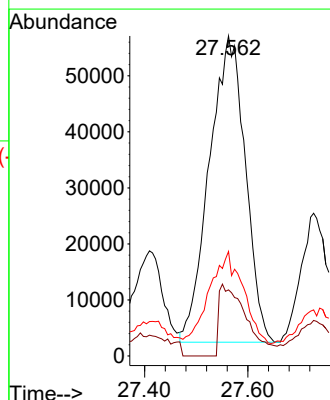
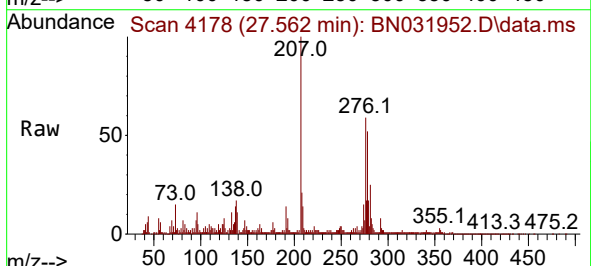
Tgt Ion:278 Resp: 264423

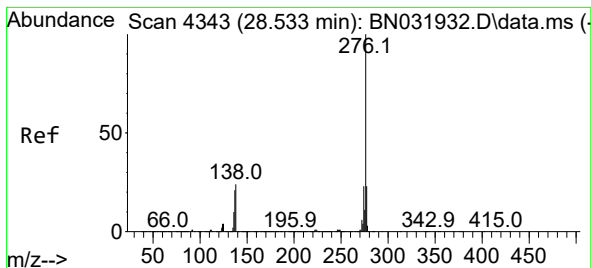
Ion Ratio Lower Upper

278 100

139 20.7 15.0 22.6

279 32.7 17.4 26.0#





#96

Benzo(g,h,i)perylene

Concen: 1.347 ng/ul

RT: 28.551 min Scan# 41

Delta R.T. 0.006 min

Lab File: BN031952.D

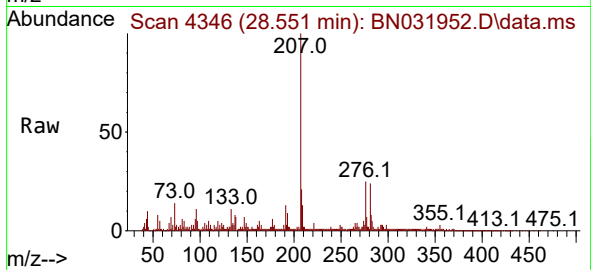
Acq: 12 Jun 2024 21:57

Instrument :

BNA_N

ClientSampleId :

BH689



Tgt Ion:276 Resp: 112315

Ion Ratio Lower Upper

276 100

138 29.2 20.9 31.3

277 27.8 18.0 27.0#

