

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101422\
 Data File : BN022120.D
 Acq On : 14 Oct 2022 12:26
 Operator : CG/JU
 Sample : N5049-08
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Oct 15 00:25:22 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN101222.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 13 03:08:08 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.952	152	243587	20.000	ng/ul	0.00
20) Naphthalene-d8	10.781	136	1120227	20.000	ng/ul	-0.01
38) Acenaphthene-d10	14.628	164	716932	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.387	188	1421894	20.000	ng/ul	0.00
79) Chrysene-d12	21.598	240	715724	20.000	ng/ul	0.00
88) Perylene-d12	24.092	264	900327	20.000	ng/ul	# 0.04
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.258	96	13105	2.039	ng/uL	0.00
4) Pyridine-d5	3.723	84	25577	1.279	ng/ul	0.03
7) Phenol-d5	7.111	99	289860	12.172	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.281	67	184246	12.347	ng/ul	0.00
11) 2-Chlorophenol-d4	7.475	132	228398	13.833	ng/ul	0.00
15) 4-Methylphenol-d8	8.669	113	218335	11.539	ng/ul	-0.01
21) Nitrobenzene-d5	9.134	128	114904	13.988	ng/ul	0.00
24) 2-Nitrophenol-d4	9.863	143	121241	14.401	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.405	165	210688	13.332	ng/ul	0.00
31) 4-Chloroaniline-d4	10.940	131	65313	2.528	ng/ul	0.00
46) Dimethylphthalate-d6	14.040	166	685573	13.718	ng/ul	0.00
49) Acenaphthylene-d8	14.322	160	818484	14.666	ng/ul	0.00
54) 4-Nitrophenol-d4	14.828	143	76246	7.148	ng/ul	0.00
60) Fluorene-d10	15.622	176	608497	14.436	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.745	200	74706	9.210	ng/ul	0.00
73) Anthracene-d10	17.487	188	925852	14.984	ng/ul	0.00
81) Pyrene-d10	19.786	212	776866	21.801	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.939	264	570717	12.926	ng/ul	0.04
Target Compounds						
					Qvalue	
6) Benzaldehyde	7.087	77	21400	1.820	ng/ul	91
8) Phenol	7.140	94	28801	1.139	ng/ul	98
16) Acetophenone	8.793	105	39770	1.315	ng/ul	99
30) Naphthalene	10.834	128	204223	3.403	ng/ul	97
36) 2-Methylnaphthalene	12.451	142	102927	2.484	ng/ul	100
37) 1-Methylnaphthalene	12.669	142	68520	1.651	ng/ul#	99
50) Acenaphthylene	14.351	152	1996784	31.330	ng/ul	98
52) Acenaphthene	14.693	153	93743	2.074	ng/ul	97
56) Dibenzofuran	15.028	168	122458	1.986	ng/ul	99
61) Fluorene	15.681	166	144696	2.918	ng/ul	93
72) Phenanthrene	17.428	178	1004631	13.098	ng/ul	97
74) Anthracene	17.522	178	3368778	44.217	ng/ul	98
77) Carbazole	17.792	167	734969	10.430	ng/ul	99
80) Fluoranthene	19.457	202	3696431	82.637	ng/ul	100
82) Pyrene	19.822	202	4276416	91.382	ng/ul	96
85) Benzo(a)anthracene	21.586	228	3251044	71.087	ng/ul#	86
87) Chrysene	21.639	228	4316579	98.217	ng/ul	99
90) Benzo(b)fluoranthene	23.351	252	6232145	109.751	ng/ul#	95
91) Benzo(k)fluoranthene	23.351	252	6232145	111.088	ng/ul	96
93) Benzo(a)pyrene	24.004	252	5195276	102.368	ng/ul	94
94) Indeno(1,2,3-cd)pyrene	26.762	276	7618396	120.100	ng/ul#	91
95) Dibenzo(a,h)anthracene	26.757	278	1575028	27.753	ng/ul#	92
96) Benzo(g,h,i)perylene	27.592	276	6936325	121.543	ng/ul	96

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QLast Update : Thu Oct 13 03:08:08 2022
Response via : Initial Calibration

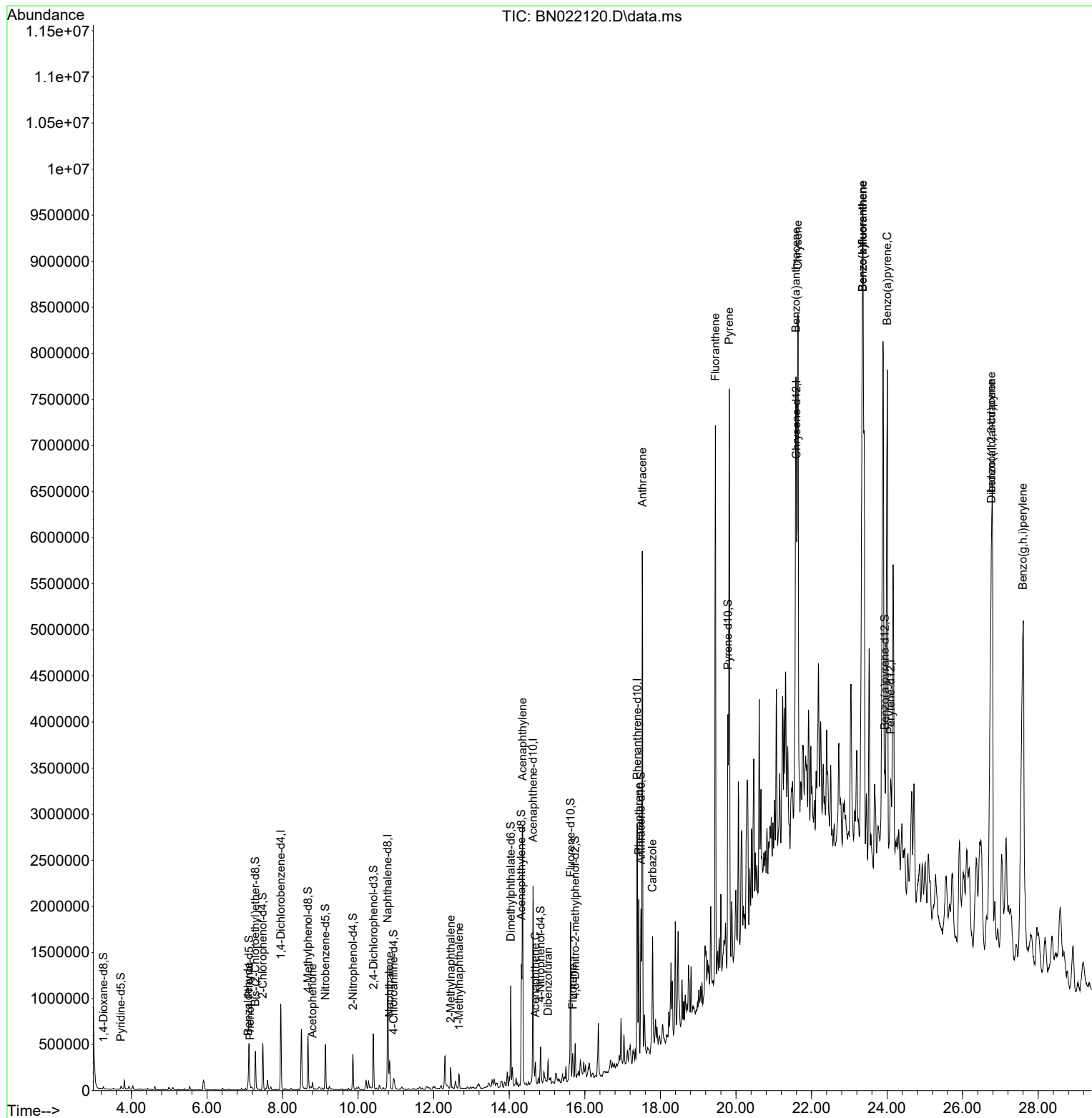
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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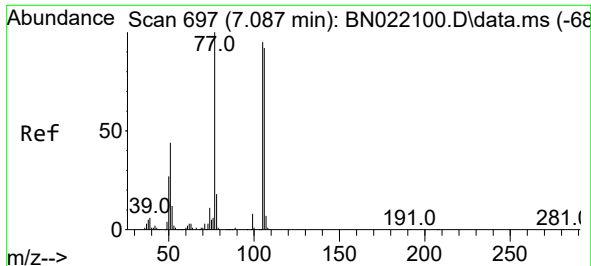
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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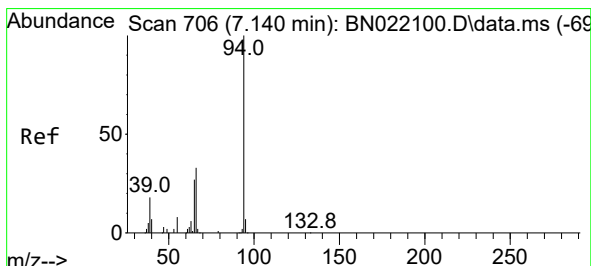
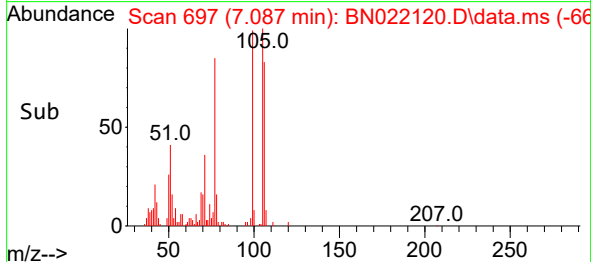
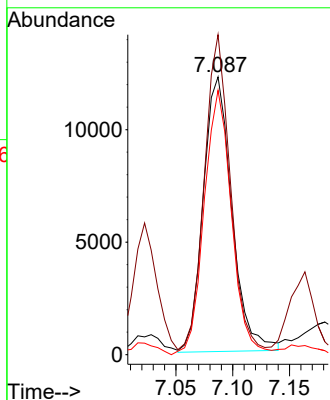
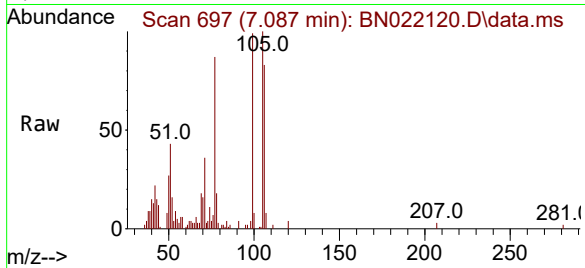




#6
Benzaldehyde
Concen: 1.820 ng/ul
RT: 7.087 min Scan# 697
Delta R.T. -0.006 min
Lab File: BN022120.D
Acq: 14 Oct 2022 12:26

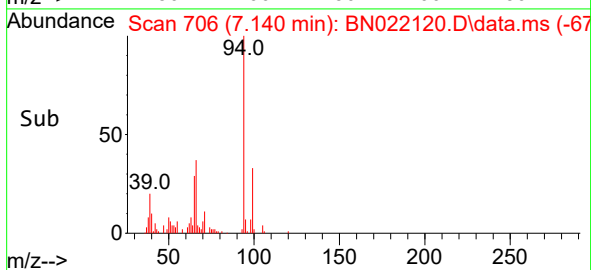
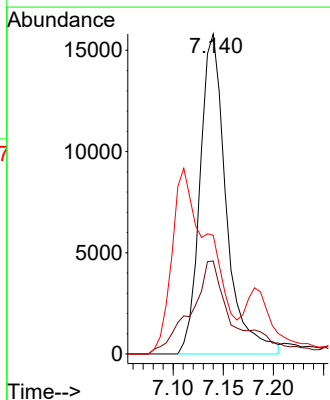
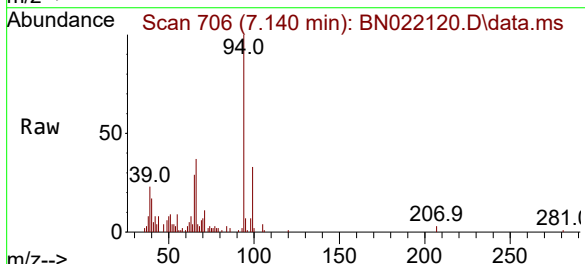
Instrument :
BNA_N
ClientSampleId :

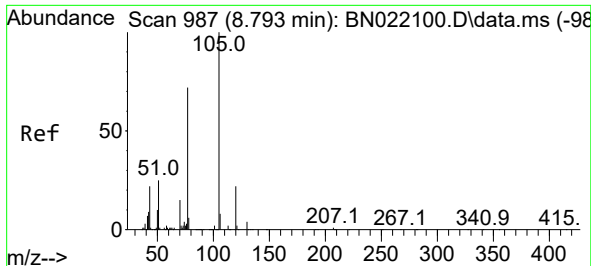
Tgt Ion: 77 Resp: 21400
Ion Ratio Lower Upper
77 100
105 115.2 78.6 118.0
106 95.2 75.4 113.2



#8
Phenol
Concen: 1.139 ng/ul
RT: 7.140 min Scan# 706
Delta R.T. 0.000 min
Lab File: BN022120.D
Acq: 14 Oct 2022 12:26

Tgt Ion: 94 Resp: 28801
Ion Ratio Lower Upper
94 100
65 29.1 22.1 33.1
66 37.1 29.0 43.6

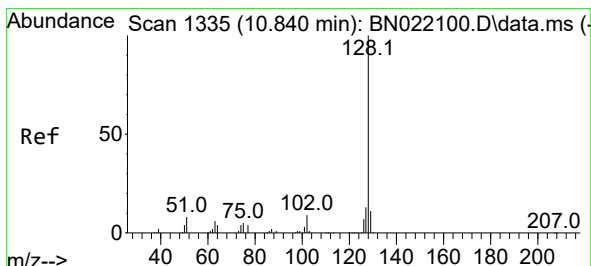
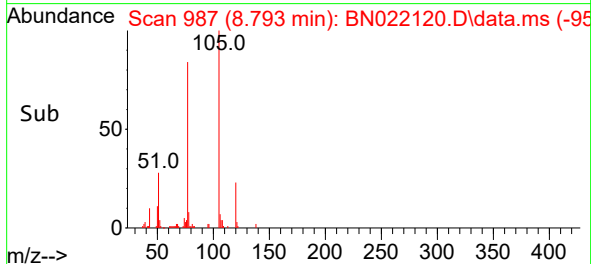
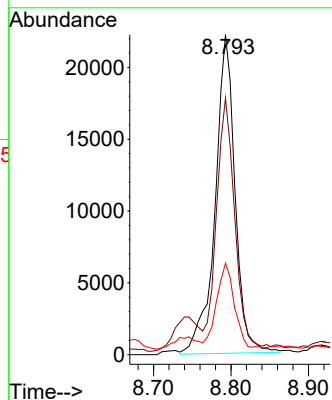
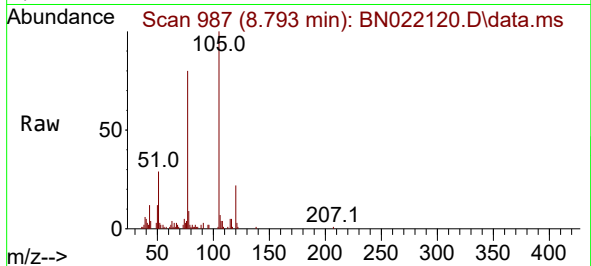




#16
Acetophenone
Concen: 1.315 ng/ul
RT: 8.793 min Scan# 987
Delta R.T. -0.006 min
Lab File: BN022120.D
Acq: 14 Oct 2022 12:26

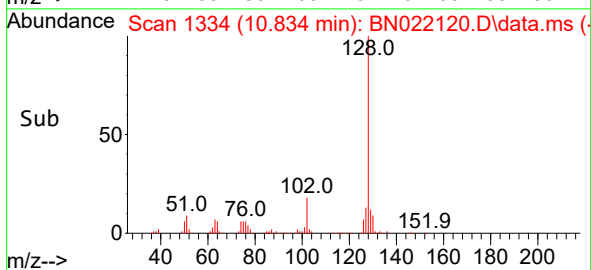
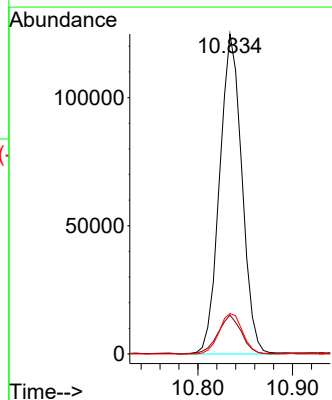
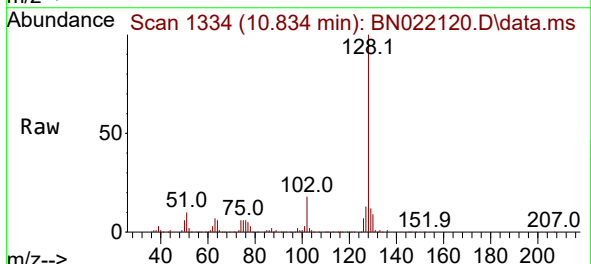
Instrument :
BNA_N
ClientSampleId :

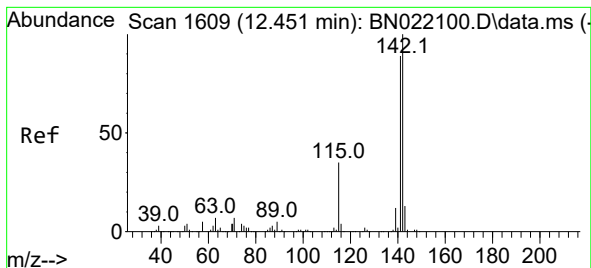
Tgt Ion:105 Resp: 39770
Ion Ratio Lower Upper
105 100
77 80.2 64.9 97.3
51 28.6 21.8 32.6



#30
Naphthalene
Concen: 3.403 ng/ul
RT: 10.834 min Scan# 1334
Delta R.T. -0.006 min
Lab File: BN022120.D
Acq: 14 Oct 2022 12:26

Tgt Ion:128 Resp: 204223
Ion Ratio Lower Upper
128 100
129 12.1 8.5 12.7
127 12.7 10.8 16.2





#36

2-Methylnaphthalene

Concen: 2.484 ng/ul

RT: 12.451 min Scan# 1

Delta R.T. -0.006 min

Lab File: BN022120.D

Acq: 14 Oct 2022 12:26

Instrument :

BNA_N

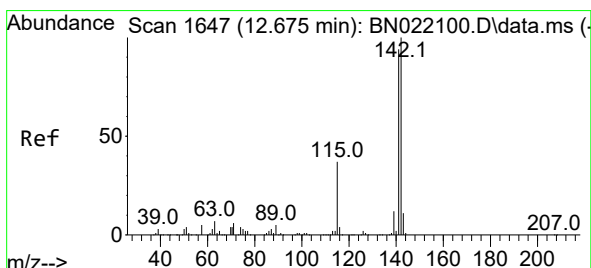
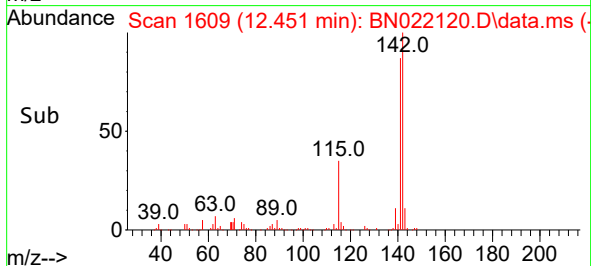
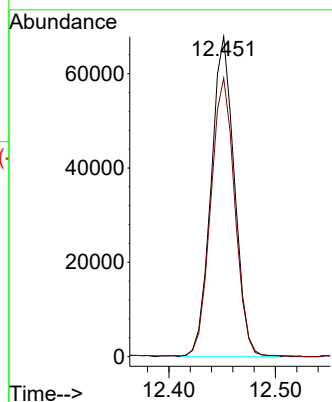
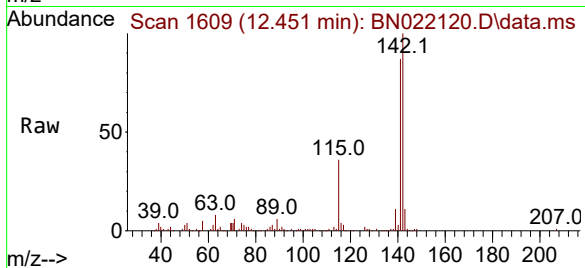
ClientSampleId :

Tgt Ion:142 Resp: 102927

Ion Ratio Lower Upper

142 100

141 87.1 69.7 104.5



#37

1-Methylnaphthalene

Concen: 1.651 ng/ul

RT: 12.669 min Scan# 1646

Delta R.T. -0.006 min

Lab File: BN022120.D

Acq: 14 Oct 2022 12:26

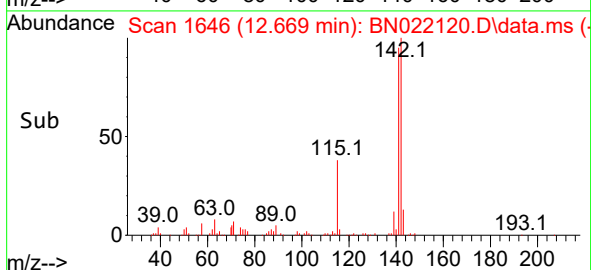
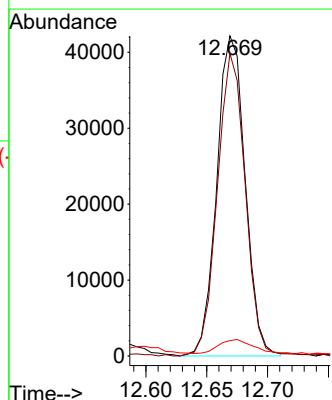
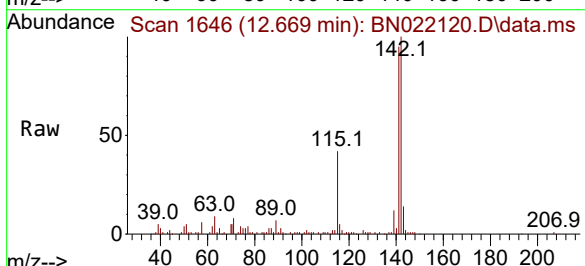
Tgt Ion:142 Resp: 68520

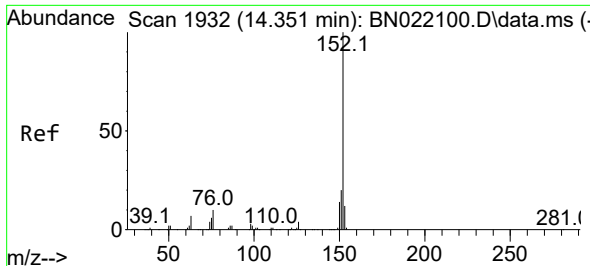
Ion Ratio Lower Upper

142 100

141 94.5 76.7 115.1

116 4.8 3.1 4.7#

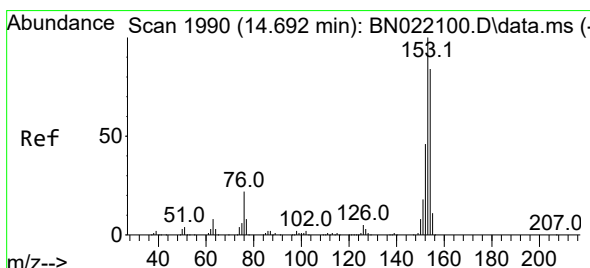
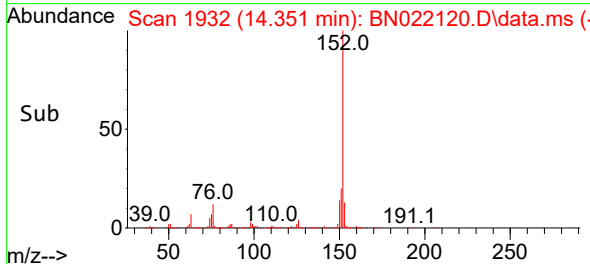
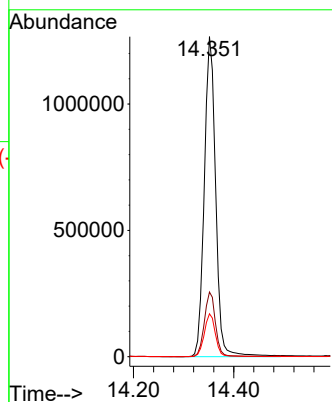
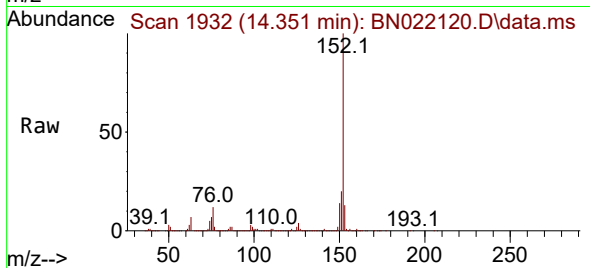




#50
Acenaphthylene
Concen: 31.330 ng/ul
RT: 14.351 min Scan# 1932
Delta R.T. -0.006 min
Lab File: BN022120.D
Acq: 14 Oct 2022 12:26

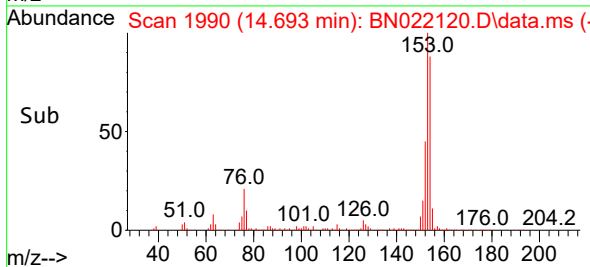
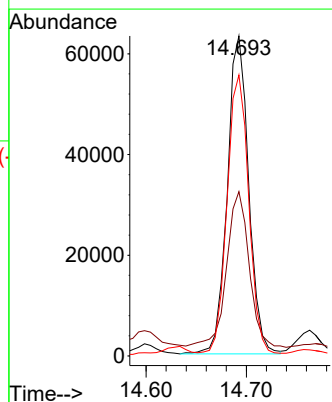
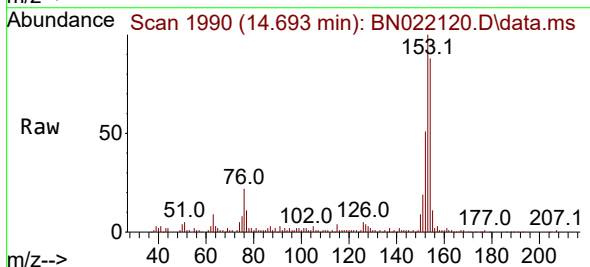
Instrument :
BNA_N
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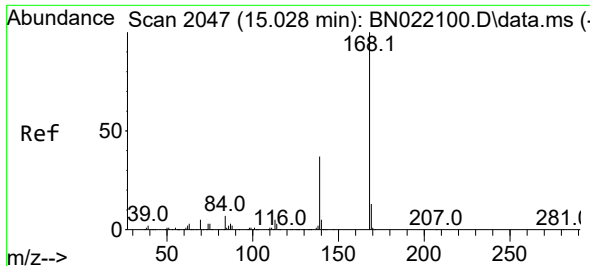
Tgt Ion:152 Resp: 1996784
Ion Ratio Lower Upper
152 100
151 20.2 15.5 23.3
153 13.4 9.8 14.8



#52
Acenaphthene
Concen: 2.074 ng/ul
RT: 14.693 min Scan# 1990
Delta R.T. -0.006 min
Lab File: BN022120.D
Acq: 14 Oct 2022 12:26

Tgt Ion:153 Resp: 93743
Ion Ratio Lower Upper
153 100
152 51.3 38.0 57.0
154 87.8 71.1 106.7

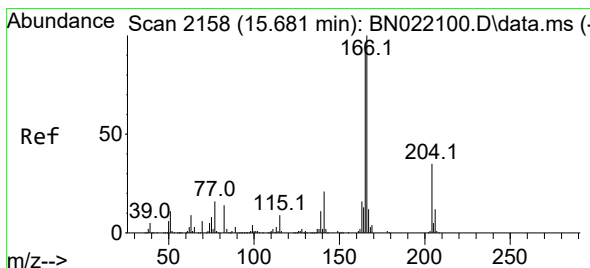
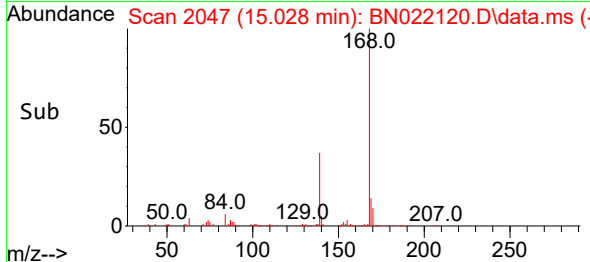
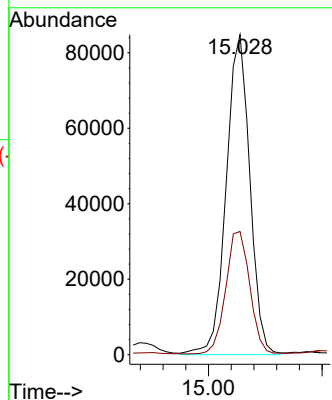
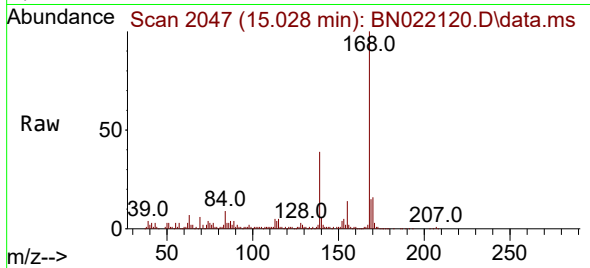




#56
Dibenzofuran
Concen: 1.986 ng/ul
RT: 15.028 min Scan# 2047
Delta R.T. -0.006 min
Lab File: BN022120.D
Acq: 14 Oct 2022 12:26

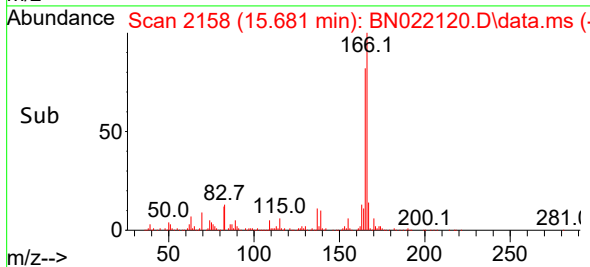
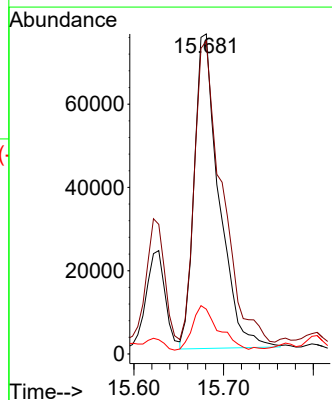
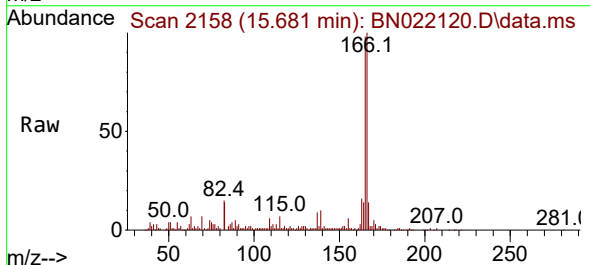
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BNA_N
ClientSampleId :

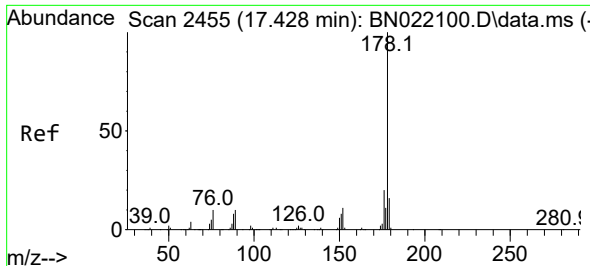
Tgt Ion:168 Resp: 122458
Ion Ratio Lower Upper
168 100
139 38.5 30.6 45.8



#61
Fluorene
Concen: 2.918 ng/ul
RT: 15.681 min Scan# 2158
Delta R.T. -0.006 min
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Tgt Ion:166 Resp: 144696
Ion Ratio Lower Upper
166 100
165 97.8 72.8 109.2
167 14.0 10.6 16.0

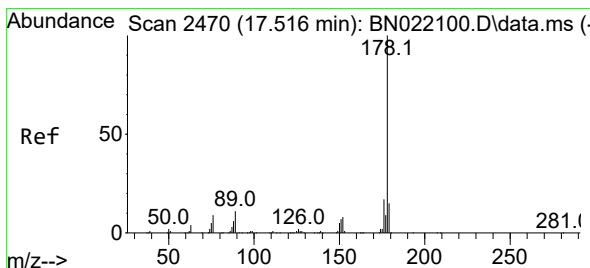
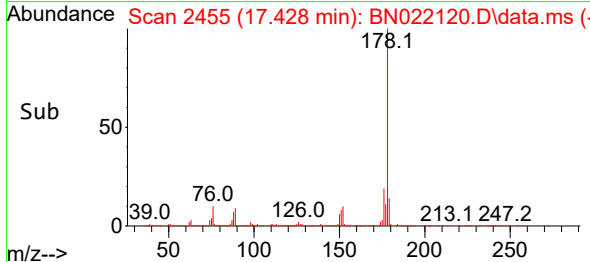
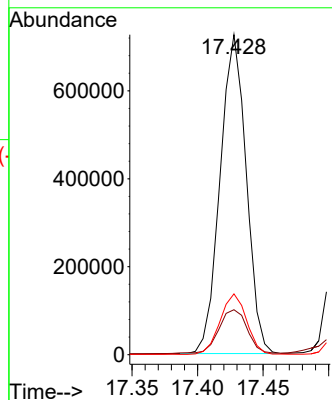
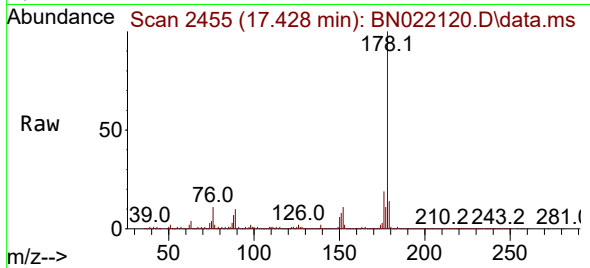




#72
Phenanthrene
Concen: 13.098 ng/u1
RT: 17.428 min Scan# 2455
Delta R.T. -0.006 min
Lab File: BN022120.D
Acq: 14 Oct 2022 12:26

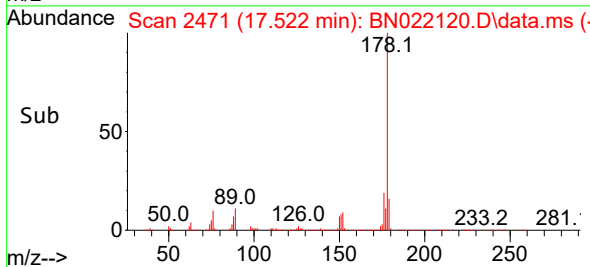
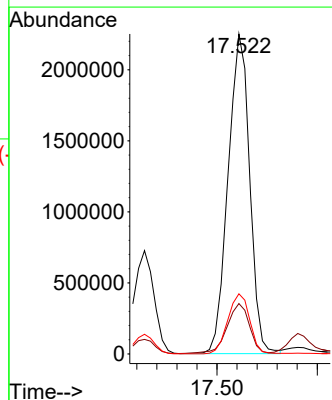
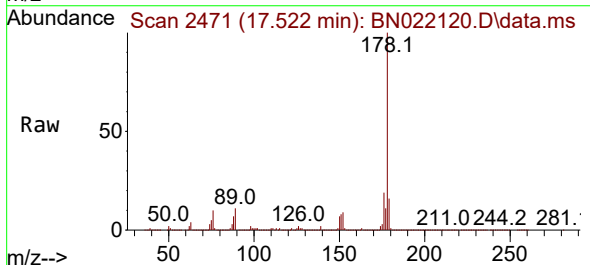
Instrument :
BNA_N
ClientSampleId :

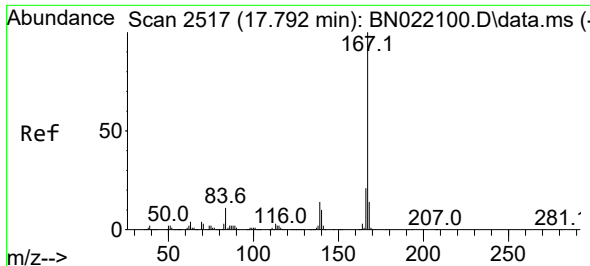
Tgt Ion:178 Resp: 1004631
Ion Ratio Lower Upper
178 100
179 14.1 12.3 18.5
176 19.0 16.5 24.7



#74
Anthracene
Concen: 44.217 ng/u1
RT: 17.522 min Scan# 2471
Delta R.T. 0.000 min
Lab File: BN022120.D
Acq: 14 Oct 2022 12:26

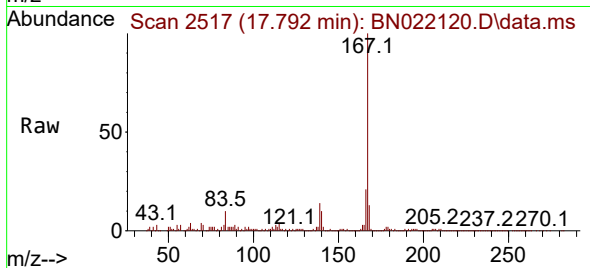
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Ion Ratio Lower Upper
178 100
179 15.8 13.0 19.6
176 18.8 15.8 23.6



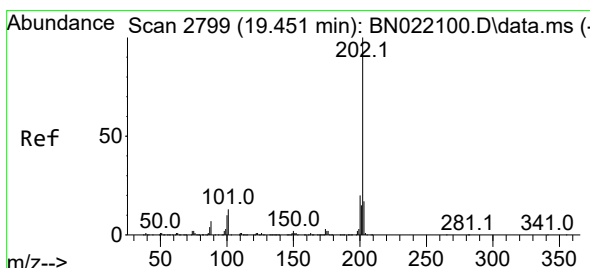
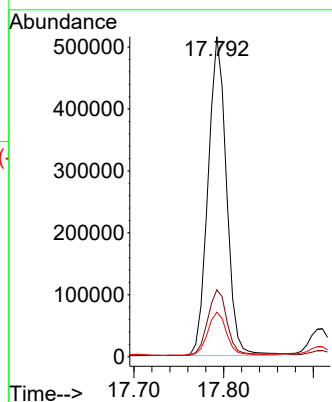
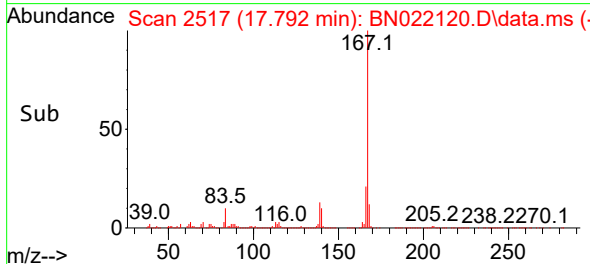


#77
 Carbazole
 Concen: 10.430 ng/ul
 RT: 17.792 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BN022120.D
 Acq: 14 Oct 2022 12:26

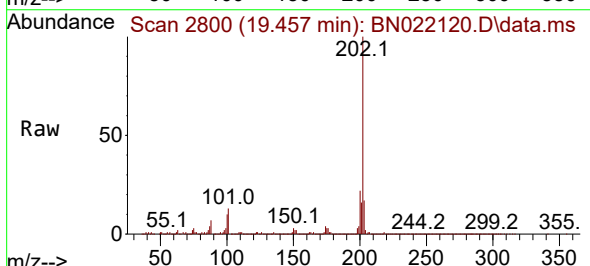
Instrument :
 BNA_N
 ClientSampleId :



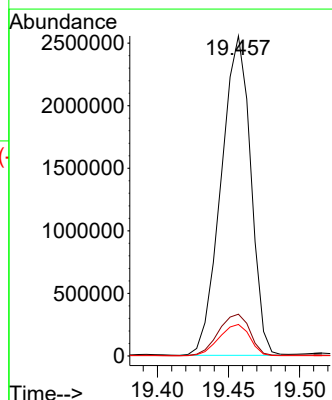
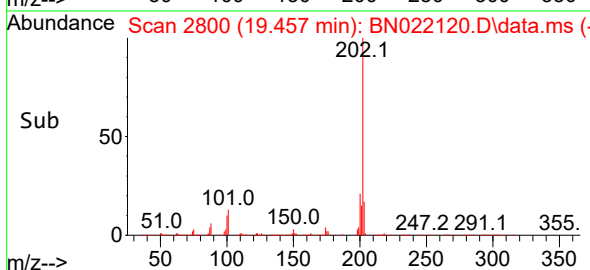
Tgt Ion:167 Resp: 734969
 Ion Ratio Lower Upper
 167 100
 166 20.9 17.3 25.9
 139 13.9 10.7 16.1

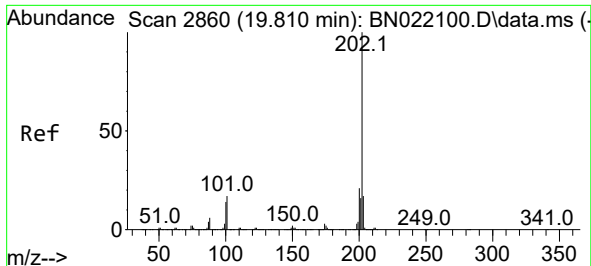


#80
 Fluoranthene
 Concen: 82.637 ng/ul
 RT: 19.457 min Scan# 2800
 Delta R.T. 0.000 min
 Lab File: BN022120.D
 Acq: 14 Oct 2022 12:26



Tgt Ion:202 Resp: 3696431
 Ion Ratio Lower Upper
 202 100
 101 13.0 10.3 15.5
 100 9.9 7.8 11.8

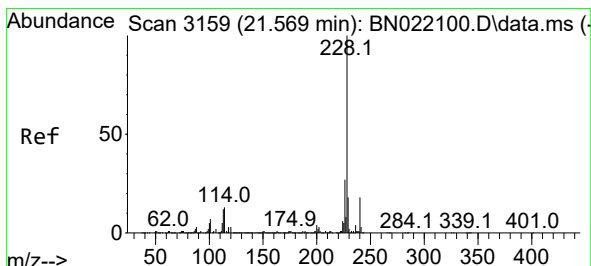
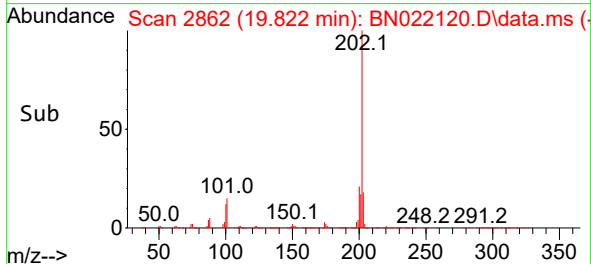
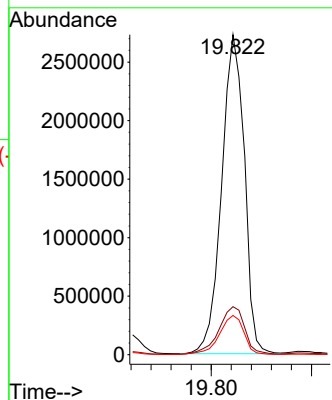
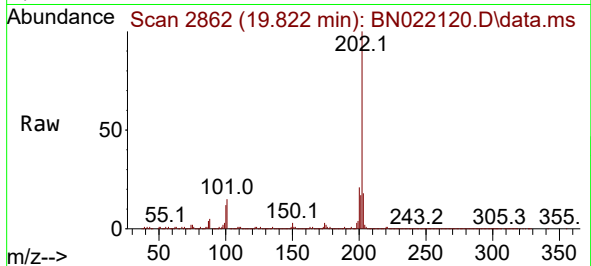




#82
 Pyrene
 Concen: 91.382 ng/ul
 RT: 19.822 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BN022120.D
 Acq: 14 Oct 2022 12:26

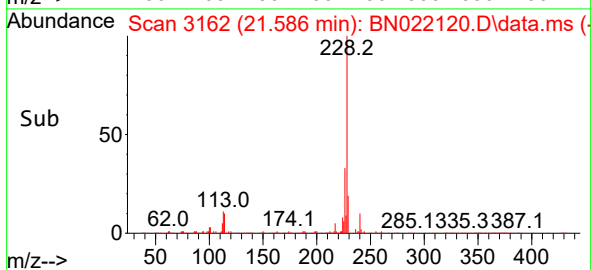
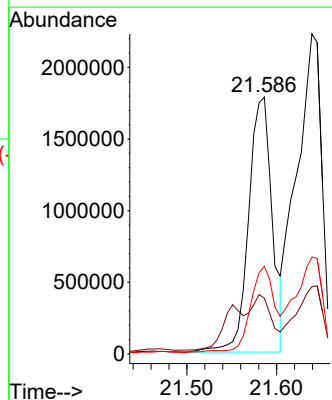
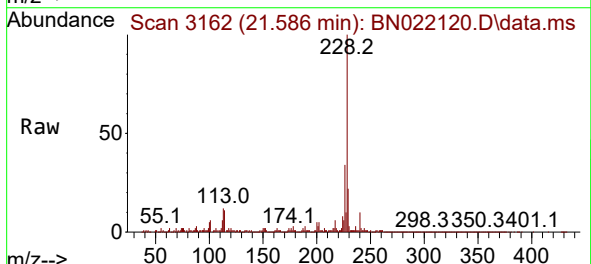
Instrument :
 BNA_N
 ClientSampleId :

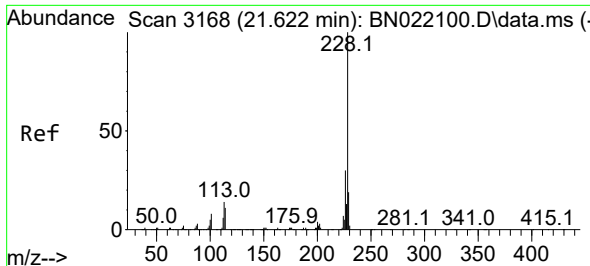
Tgt Ion:202 Resp: 4276416
 Ion Ratio Lower Upper
 202 100
 101 15.0 13.4 20.0
 100 12.2 10.9 16.3



#85
 Benzo(a)anthracene
 Concen: 71.087 ng/ul
 RT: 21.586 min Scan# 3162
 Delta R.T. 0.012 min
 Lab File: BN022120.D
 Acq: 14 Oct 2022 12:26

Tgt Ion:228 Resp: 3251044
 Ion Ratio Lower Upper
 228 100
 229 21.8 13.5 20.3#
 226 34.2 21.0 31.6#

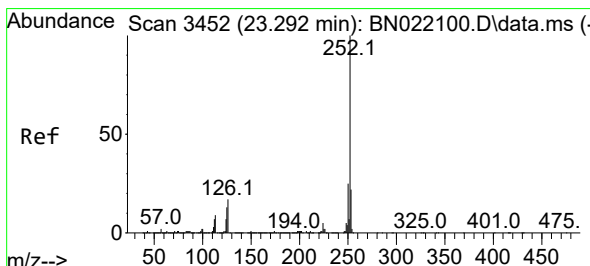
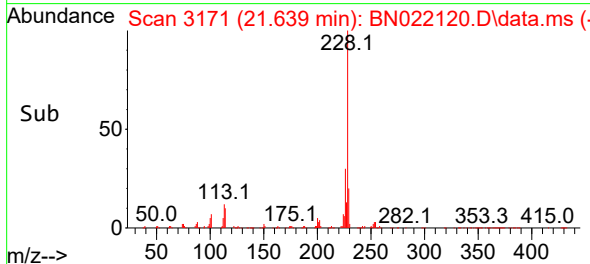
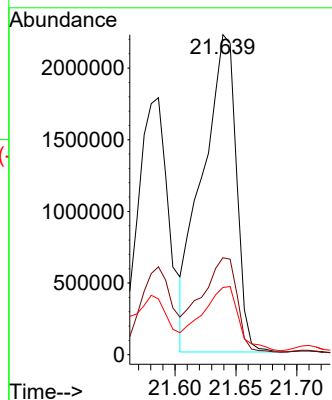
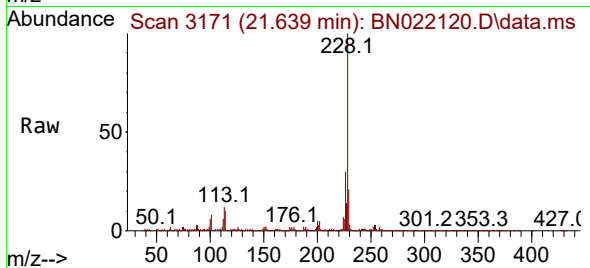




#87
Chrysene
Concen: 98.217 ng/ul
RT: 21.639 min Scan# 3168
Delta R.T. 0.012 min
Lab File: BN022120.D
Acq: 14 Oct 2022 12:26

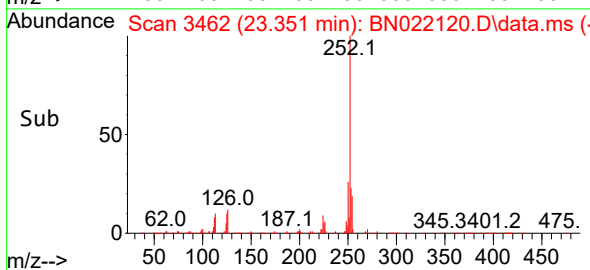
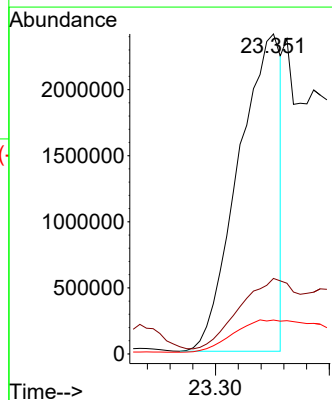
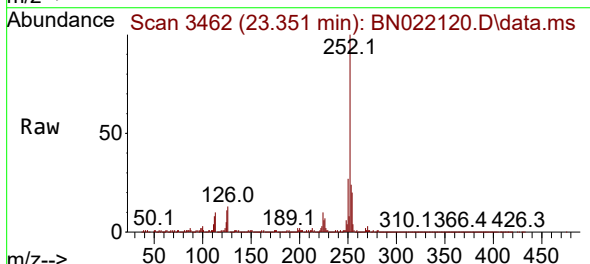
Instrument :
BNA_N
ClientSampleId :

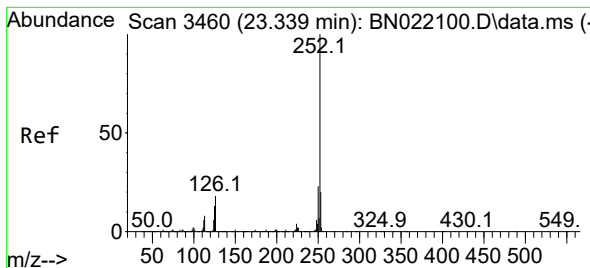
Tgt Ion:228 Resp: 4316579
Ion Ratio Lower Upper
228 100
226 30.3 23.8 35.8
229 21.0 16.5 24.7



#90
Benzo(b)fluoranthene
Concen: 109.751 ng/ul
RT: 23.351 min Scan# 3462
Delta R.T. 0.053 min
Lab File: BN022120.D
Acq: 14 Oct 2022 12:26

Tgt Ion:252 Resp: 6232145
Ion Ratio Lower Upper
252 100
253 23.6 17.6 26.4
125 10.6 10.7 16.1#





#91

Benzo(k)fluoranthene

Concen: 111.088 ng/ul

RT: 23.351 min Scan# 3460

Delta R.T. 0.000 min

Lab File: BN022120.D

Acq: 14 Oct 2022 12:26

Instrument :

BNA_N

ClientSampleId :

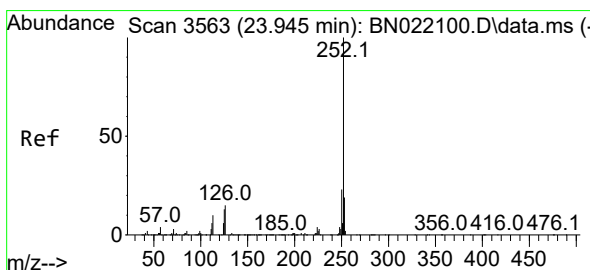
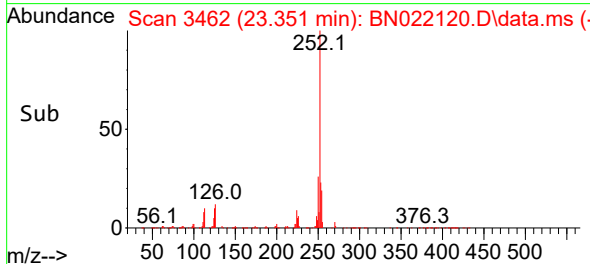
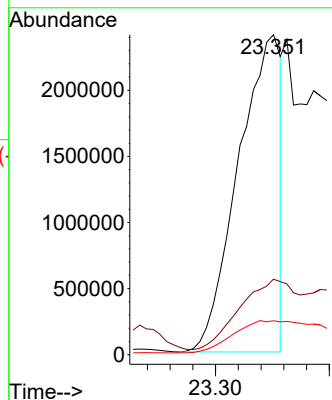
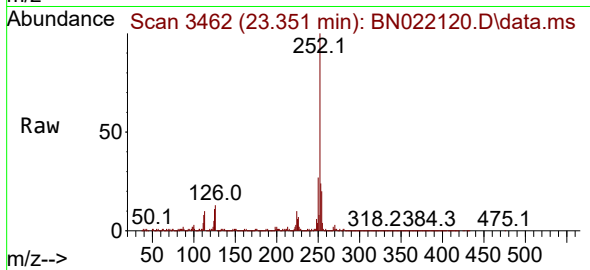
Tgt Ion:252 Resp: 6232145

Ion Ratio Lower Upper

252 100

253 23.6 17.7 26.5

125 10.6 10.6 15.8



#93

Benzo(a)pyrene

Concen: 102.368 ng/ul

RT: 24.004 min Scan# 3573

Delta R.T. 0.053 min

Lab File: BN022120.D

Acq: 14 Oct 2022 12:26

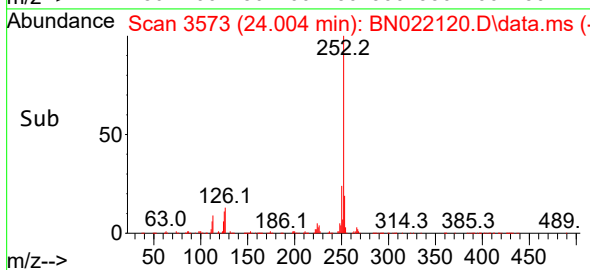
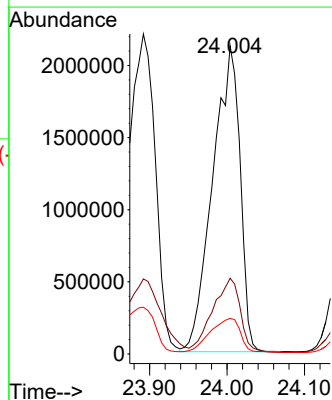
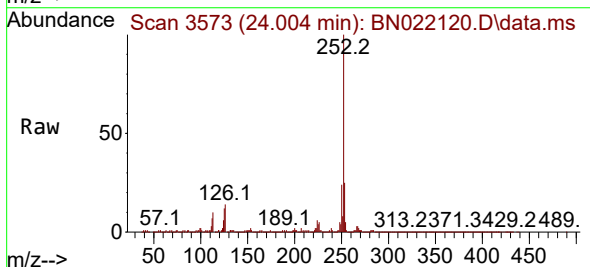
Tgt Ion:252 Resp: 5195276

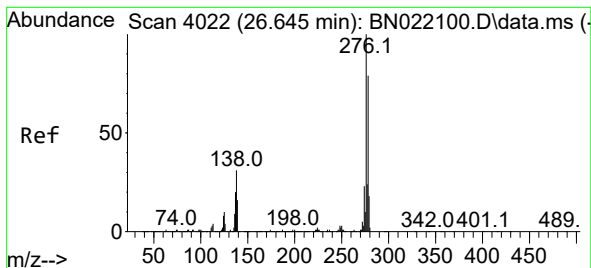
Ion Ratio Lower Upper

252 100

253 24.6 17.2 25.8

125 11.6 10.8 16.2





#94

Indeno(1,2,3-cd)pyrene

Concen: 120.100 ng/ul

RT: 26.762 min Scan# 40

Delta R.T. 0.100 min

Lab File: BN022120.D

Acq: 14 Oct 2022 12:26

Instrument :

BNA_N

ClientSampleId :

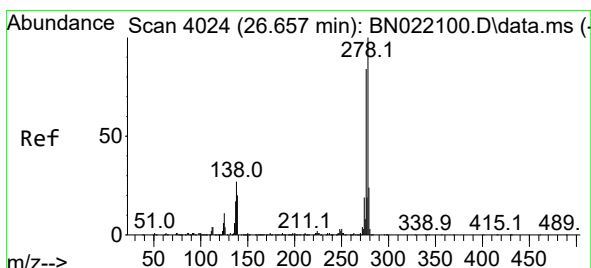
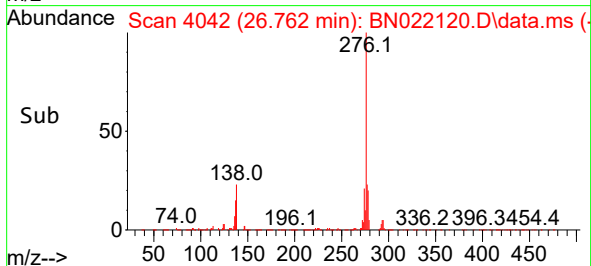
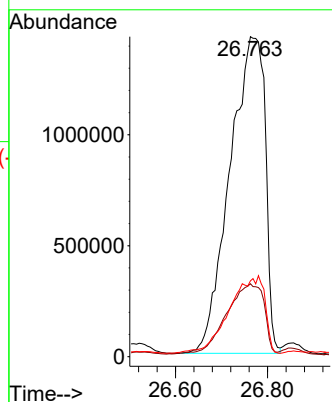
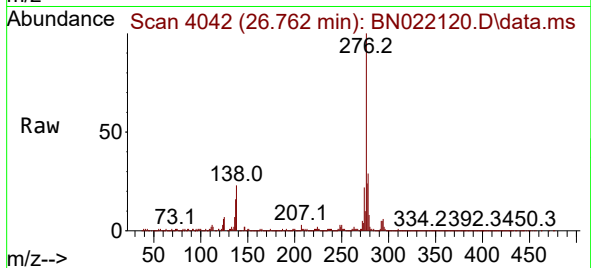
Tgt Ion:276 Resp: 7618396

Ion Ratio Lower Upper

276 100

138 22.8 24.6 36.8#

277 23.7 18.4 27.6



#95

Dibenzo(a,h)anthracene

Concen: 27.753 ng/ul

RT: 26.757 min Scan# 4041

Delta R.T. 0.082 min

Lab File: BN022120.D

Acq: 14 Oct 2022 12:26

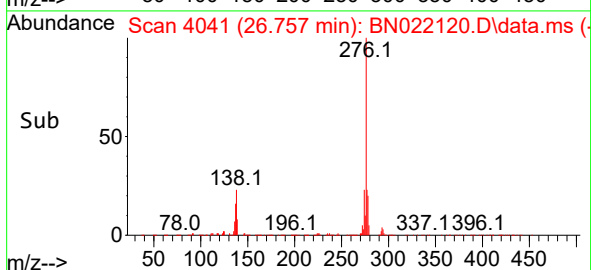
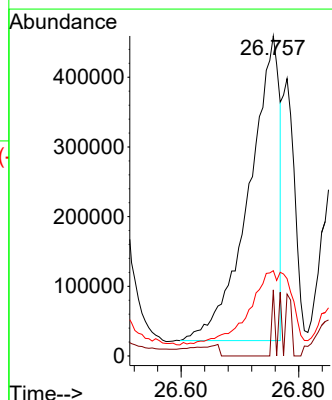
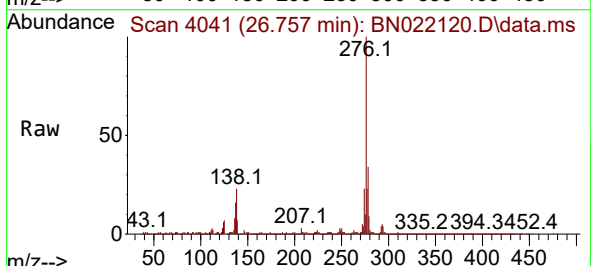
Tgt Ion:278 Resp: 1575028

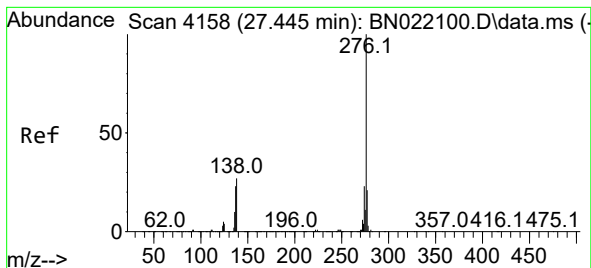
Ion Ratio Lower Upper

278 100

139 20.7 15.7 23.5

279 26.7 16.5 24.7#





#96

Benzo(g,h,i)perylene

Concen: 121.543 ng/ul

RT: 27.592 min Scan# 41

Delta R.T. 0.135 min

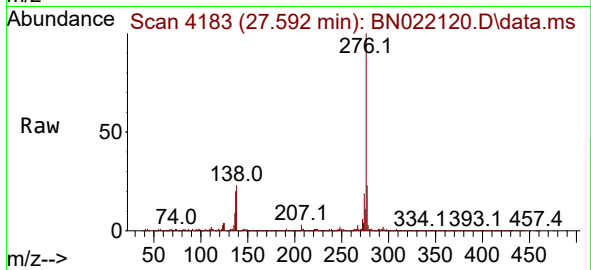
Lab File: BN022120.D

Acq: 14 Oct 2022 12:26

Instrument :

BNA_N

ClientSampleId :



Tgt Ion:276 Resp: 6936325

Ion Ratio Lower Upper

276 100

138 23.3 21.2 31.8

277 23.2 17.9 26.9

