

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060524\
 Data File : BN031790.D
 Acq On : 05 Jun 2024 00:08
 Operator : MA/JU
 Sample : P2591-15
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BHBQ6

Quant Time: Jun 05 00:39:37 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN052924.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed May 29 15:13:07 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.681	152	551847	20.000	ng/u1	0.00
20) Naphthalene-d8	10.463	136	2323977	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.322	164	1376488	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.069	188	2399391	20.000	ng/u1	0.00
79) Chrysene-d12	21.304	240	1389830	20.000	ng/u1	0.00
88) Perylene-d12	24.245	264	1669564	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.193	96	52212	3.914	ng/uL	0.00
4) Pyridine-d5	3.599	84	522172	13.906	ng/u1	0.00
7) Phenol-d5	6.852	99	1245812	26.334	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.022	67	664860	24.026	ng/u1	0.00
11) 2-Chlorophenol-d4	7.210	132	980676	27.167	ng/u1	0.00
15) 4-Methylphenol-d8	8.387	113	963934	24.996	ng/u1	0.00
21) Nitrobenzene-d5	8.834	128	496624	27.949	ng/u1	0.00
24) 2-Nitrophenol-d4	9.552	143	533508	29.066	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.087	165	962601	28.091	ng/u1	0.00
31) 4-Chloroaniline-d4	10.604	131	731043	14.368	ng/u1	0.00
46) Dimethylphthalate-d6	13.740	166	2757451	28.755	ng/u1	0.00
49) Acenaphthylene-d8	14.010	160	3160461	28.663	ng/u1	0.00
54) 4-Nitrophenol-d4	14.534	143	437405	22.781	ng/u1	0.00
60) Fluorene-d10	15.316	176	2295263	28.288	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.445	200	142260	11.796	ng/u1	0.00
73) Anthracene-d10	17.169	188	3093072	30.111	ng/u1	0.00
81) Pyrene-d10	19.469	212	2437983	32.781	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.039	264	1665453	20.891	ng/u1	0.00
Target Compounds						
					Qvalue	
30) Naphthalene	10.510	128	278948	2.319	ng/u1	99
36) 2-Methylnaphthalene	12.128	142	117504	1.429	ng/u1	94
37) 1-Methylnaphthalene	12.351	142	108561	1.316	ng/u1	99
50) Acenaphthylene	14.045	152	147397	1.183	ng/u1	98
52) Acenaphthene	14.387	153	363157	4.404	ng/u1	94
56) Dibenzofuran	14.722	168	521442	4.655	ng/u1	99
61) Fluorene	15.375	166	465950	5.165	ng/u1	95
72) Phenanthrene	17.116	178	8690038	71.097	ng/u1	99
74) Anthracene	17.204	178	1971002	15.914	ng/u1	99
77) Carbazole	17.475	167	1149758	10.887	ng/u1	99
78) Di-n-butylphthalate	18.039	149	335921	2.312	ng/u1	99
80) Fluoranthene	19.139	202	10405799	117.073	ng/u1	98
82) Pyrene	19.498	202	7298075	80.028	ng/u1	99
83) Butylbenzylphthalate	20.404	149	64797	1.504	ng/u1	86
85) Benzo(a)anthracene	21.286	228	4488563	48.250	ng/u1	99
86) Bis(2-ethylhexyl)phtha...	21.216	149	385020	6.132	ng/u1	96
87) Chrysene	21.351	228	4208953	48.438	ng/u1	97
90) Benzo(b)fluoranthene	23.327	252	5111720	51.223	ng/u1	96
91) Benzo(k)fluoranthene	23.374	252	1833102	18.720	ng/u1	97
93) Benzo(a)pyrene	24.110	252	2209818	23.643	ng/u1	97
94) Indeno(1,2,3-cd)pyrene	27.568	276	1942078	18.032	ng/u1	99
95) Dibenzo(a,h)anthracene	27.598	278	311740	3.545	ng/u1#	91
96) Benzo(g,h,i)perylene	28.592	276	235912	2.755	ng/u1	96

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Quant Title : SVOA CALIBRATION
QLast Update : Wed May 29 15:13:07 2024
Response via : Initial Calibration

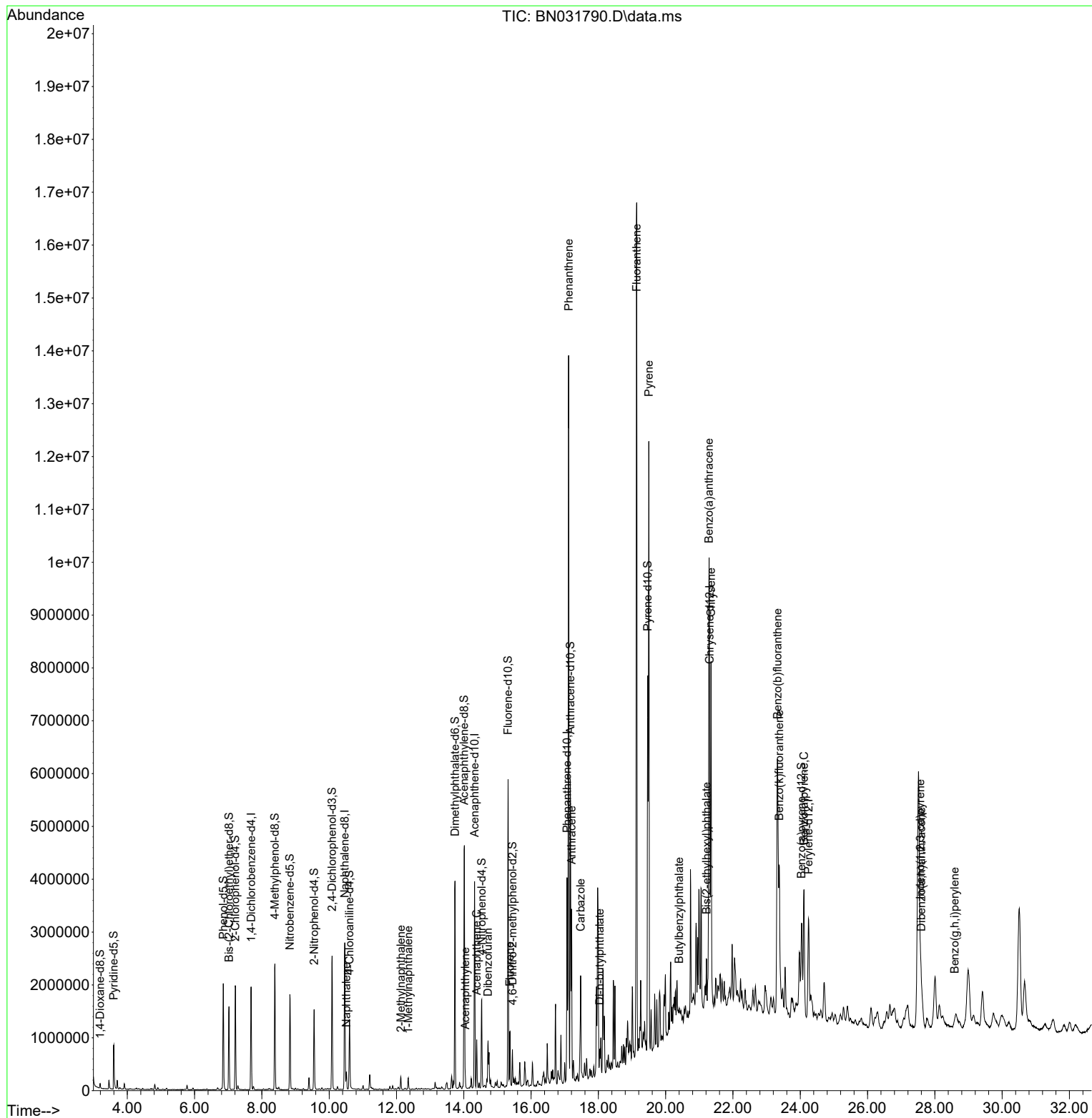
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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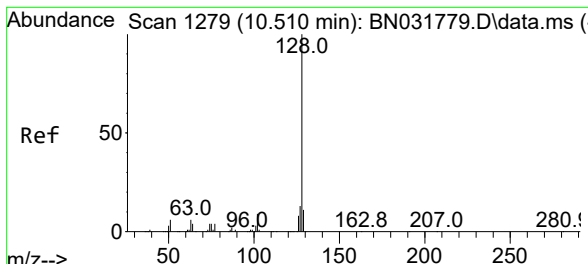
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
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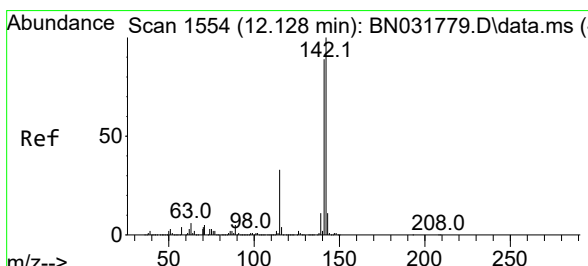
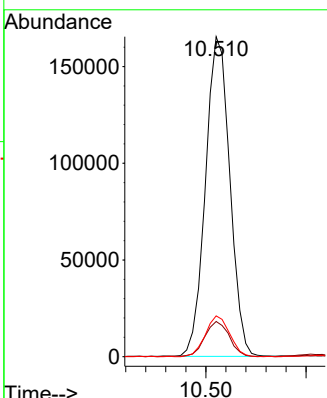
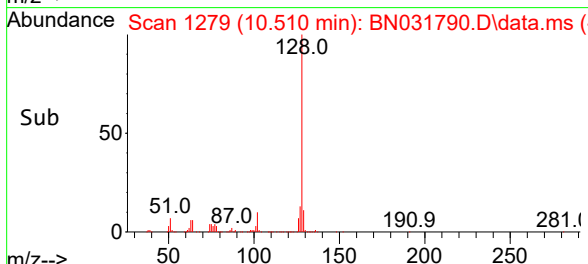
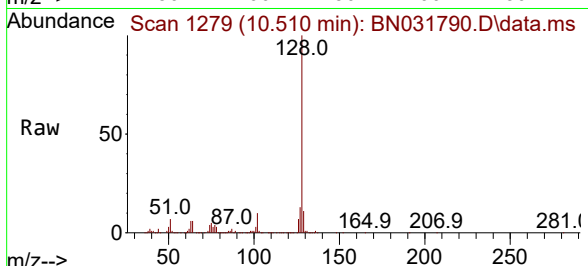




#30
Naphthalene
Concen: 2.319 ng/ul
RT: 10.510 min Scan# 11
Delta R.T. -0.006 min
Lab File: BN031790.D
Acq: 05 Jun 2024 00:08

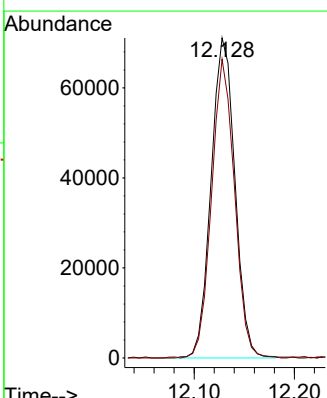
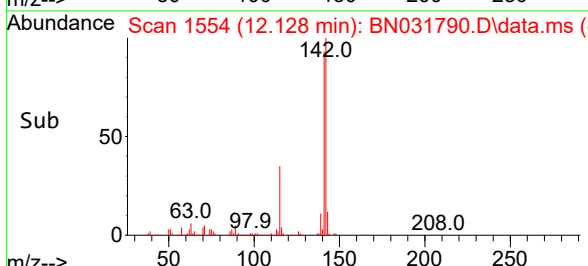
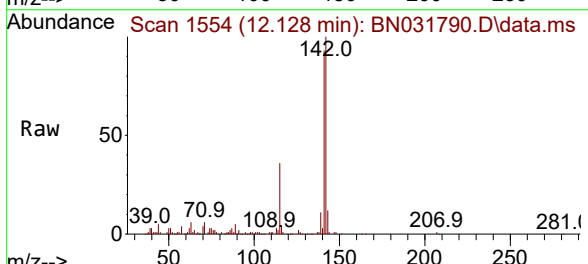
Instrument :
BNA_N
ClientSampleId :
BHBQ6

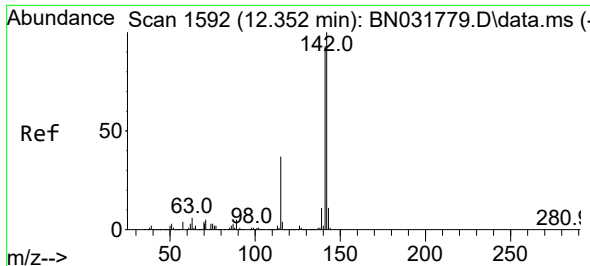
Tgt Ion:	128	Resp:	278948
Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.5	12.7
127	12.7	10.3	15.5



#36
2-Methylnaphthalene
Concen: 1.429 ng/ul
RT: 12.128 min Scan# 1554
Delta R.T. -0.006 min
Lab File: BN031790.D
Acq: 05 Jun 2024 00:08

Tgt Ion:	142	Resp:	117504
Ion	Ratio	Lower	Upper
142	100		
141	93.3	70.1	105.1





#37

1-Methylnaphthalene

Concen: 1.316 ng/ul

RT: 12.351 min Scan# 11

Delta R.T. -0.006 min

Lab File: BN031790.D

Acq: 05 Jun 2024 00:08

Instrument :

BNA_N

ClientSampleId :

BHBQ6

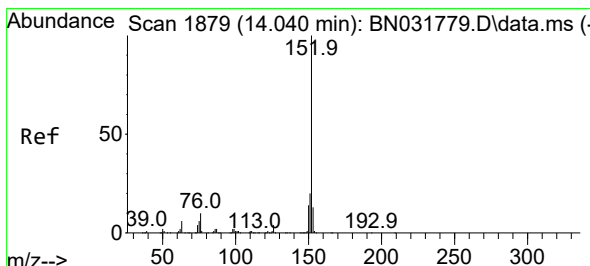
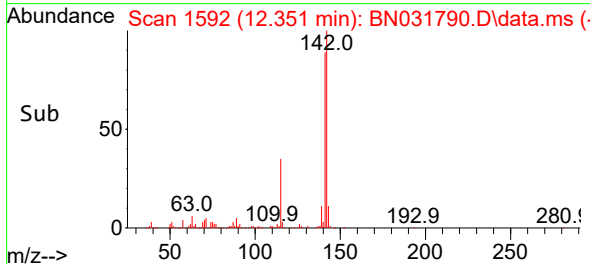
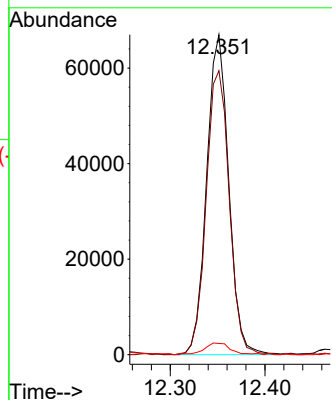
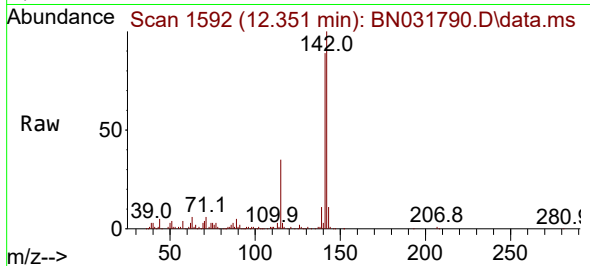
Tgt Ion:142 Resp: 108561

Ion Ratio Lower Upper

142 100

141 88.7 71.7 107.5

116 3.5 3.0 4.4



#50

Acenaphthylene

Concen: 1.183 ng/ul

RT: 14.045 min Scan# 1880

Delta R.T. -0.000 min

Lab File: BN031790.D

Acq: 05 Jun 2024 00:08

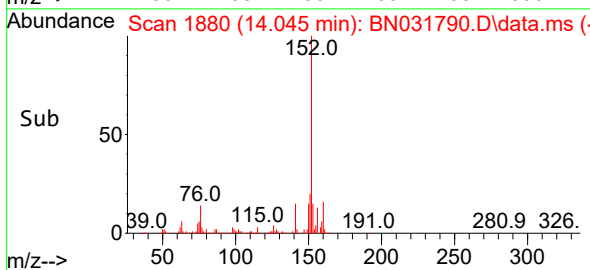
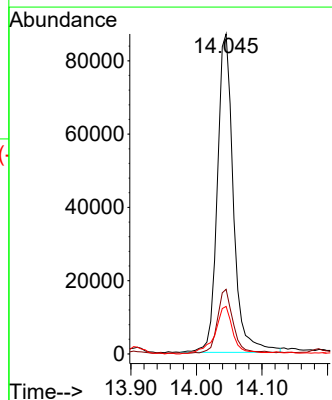
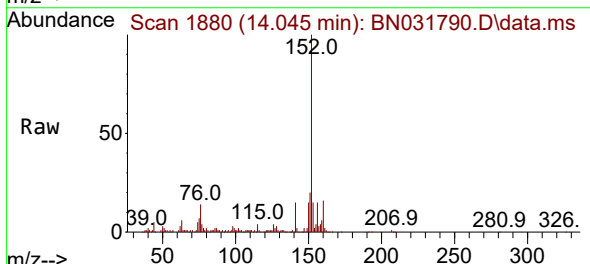
Tgt Ion:152 Resp: 147397

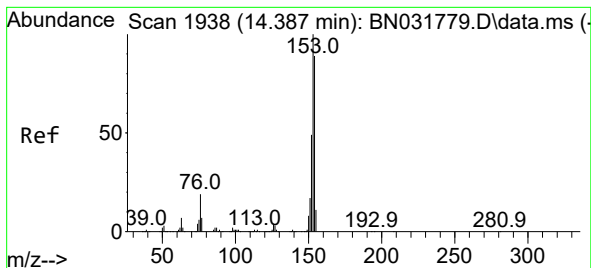
Ion Ratio Lower Upper

152 100

151 20.2 15.9 23.9

153 14.9 10.4 15.6





#52

Acenaphthene

Concen: 4.404 ng/ul

RT: 14.387 min Scan# 1938

Delta R.T. -0.000 min

Lab File: BN031790.D

Acq: 05 Jun 2024 00:08

Instrument :

BNA_N

ClientSampleId :

BHBQ6

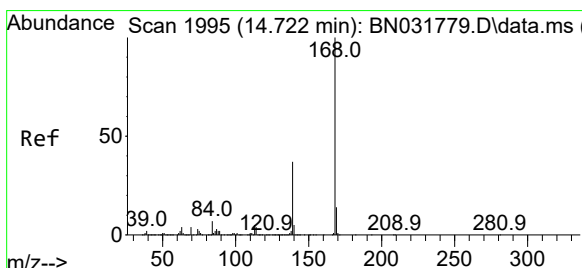
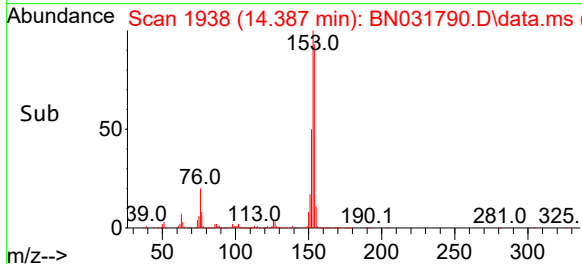
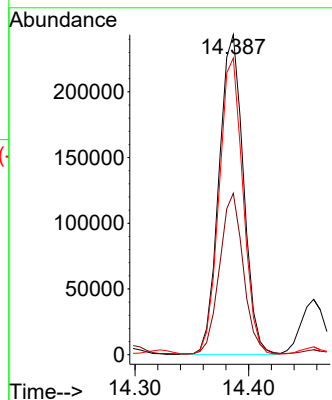
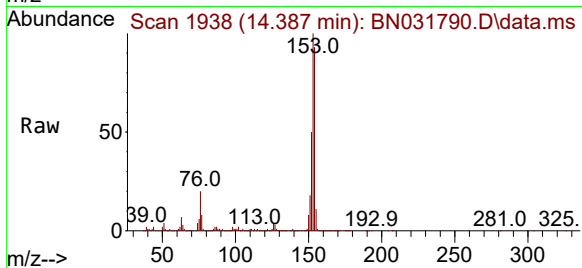
Tgt Ion:153 Resp: 363157

Ion Ratio Lower Upper

153 100

152 50.5 37.8 56.6

154 92.7 69.8 104.8



#56

Dibenzofuran

Concen: 4.655 ng/ul

RT: 14.722 min Scan# 1995

Delta R.T. -0.006 min

Lab File: BN031790.D

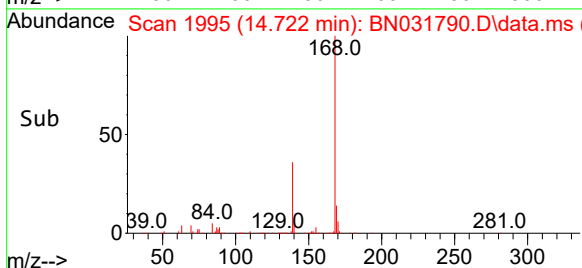
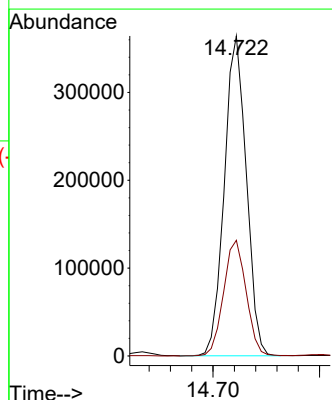
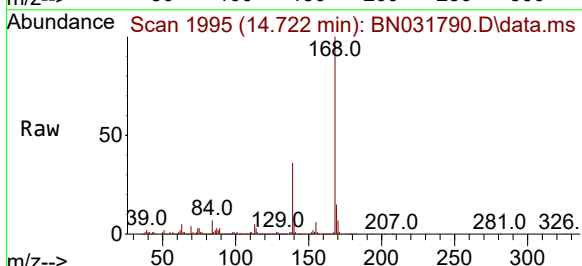
Acq: 05 Jun 2024 00:08

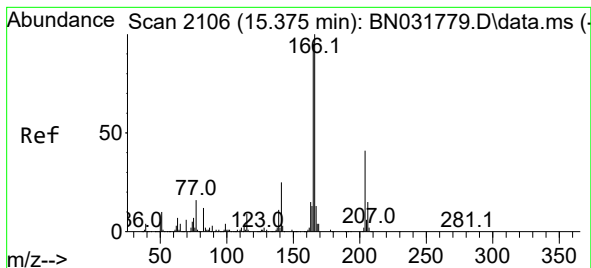
Tgt Ion:168 Resp: 521442

Ion Ratio Lower Upper

168 100

139 36.2 29.4 44.0





#61

Fluorene

Concen: 5.165 ng/ul

RT: 15.375 min Scan# 2106

Delta R.T. -0.000 min

Lab File: BN031790.D

Acq: 05 Jun 2024 00:08

Instrument :

BNA_N

ClientSampleId :

BHBQ6

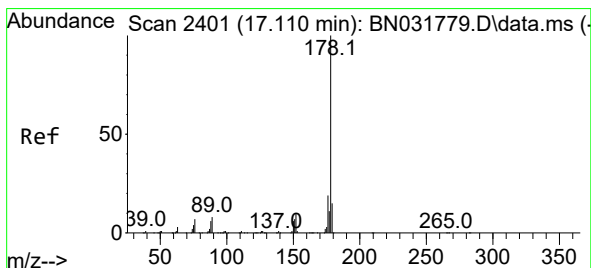
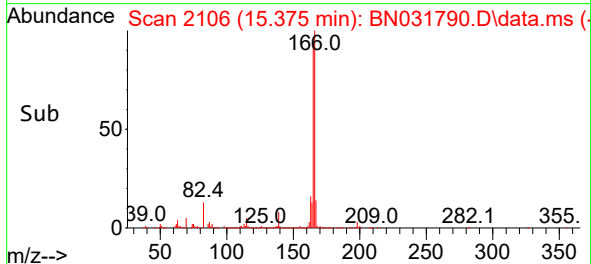
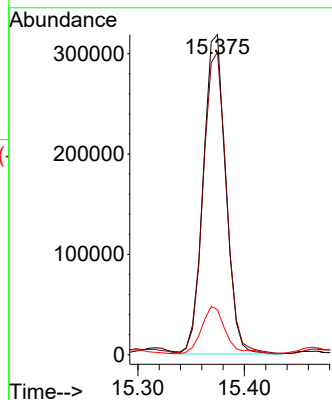
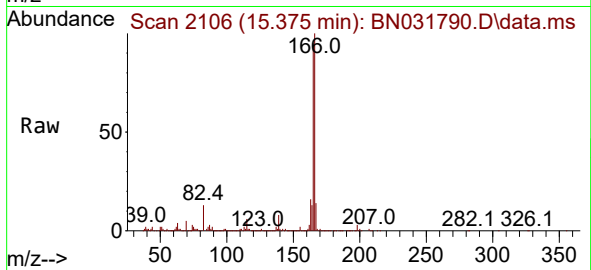
Tgt Ion:166 Resp: 465950

Ion Ratio Lower Upper

166 100

165 94.5 80.3 120.5

167 14.1 11.3 16.9



#72

Phenanthrene

Concen: 71.097 ng/ul

RT: 17.116 min Scan# 2402

Delta R.T. -0.000 min

Lab File: BN031790.D

Acq: 05 Jun 2024 00:08

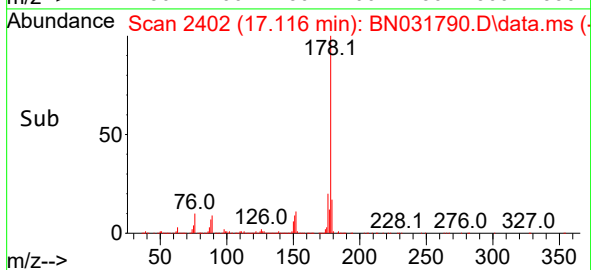
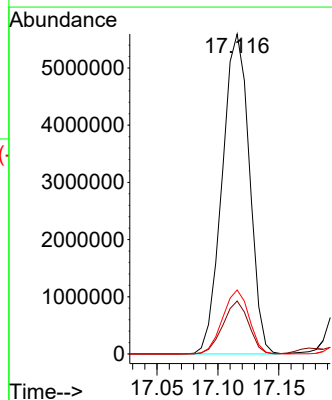
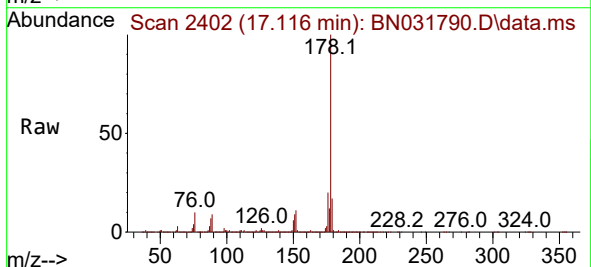
Tgt Ion:178 Resp: 8690038

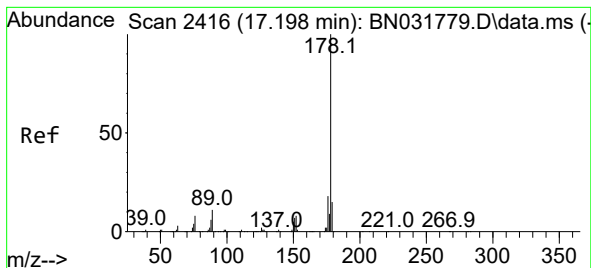
Ion Ratio Lower Upper

178 100

179 16.6 12.6 19.0

176 20.0 15.8 23.6





#74

Anthracene

Concen: 15.914 ng/ul

RT: 17.204 min Scan# 2416

Delta R.T. -0.000 min

Lab File: BN031790.D

Acq: 05 Jun 2024 00:08

Instrument :

BNA_N

ClientSampleId :

BHBQ6

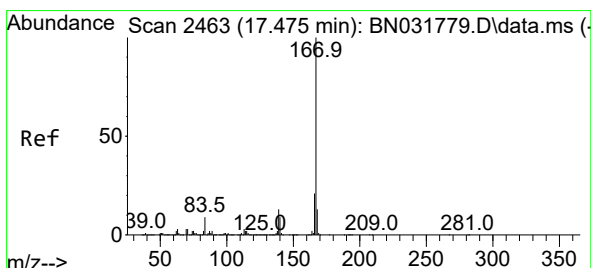
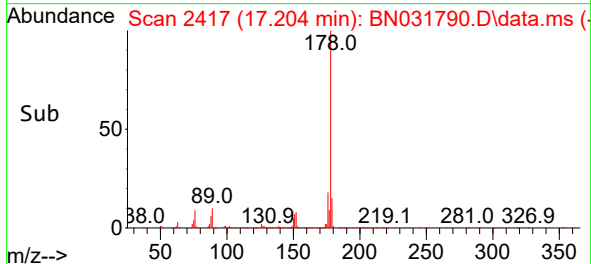
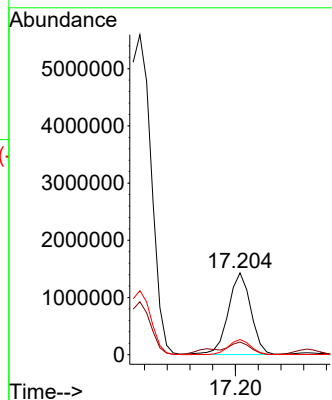
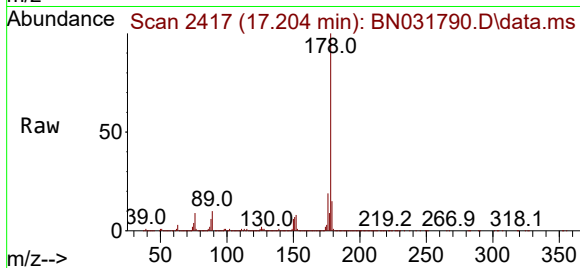
Tgt Ion:178 Resp: 1971002

Ion Ratio Lower Upper

178 100

179 15.5 11.8 17.6

176 18.5 14.8 22.2



#77

Carbazole

Concen: 10.887 ng/ul

RT: 17.475 min Scan# 2463

Delta R.T. -0.000 min

Lab File: BN031790.D

Acq: 05 Jun 2024 00:08

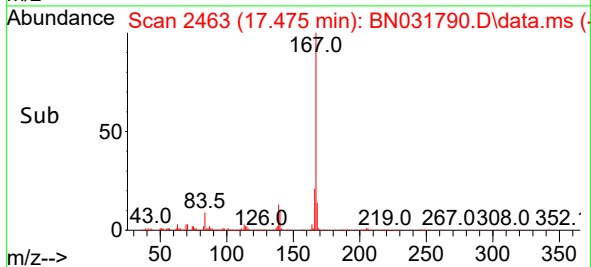
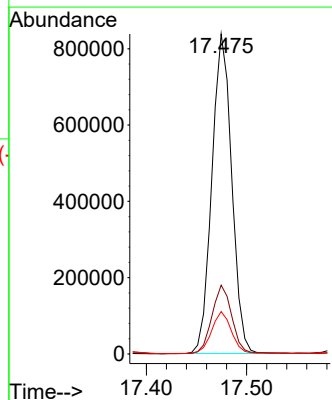
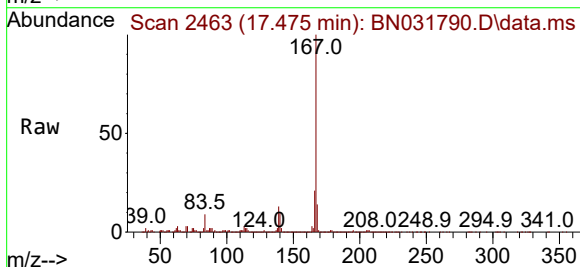
Tgt Ion:167 Resp: 1149758

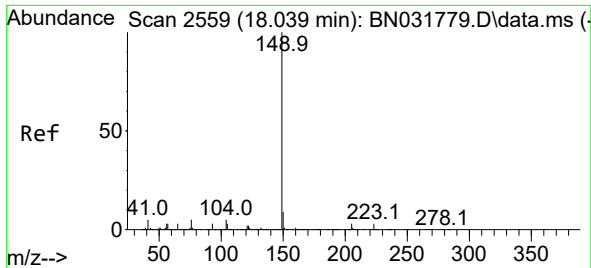
Ion Ratio Lower Upper

167 100

166 21.5 17.9 26.9

139 13.2 10.5 15.7

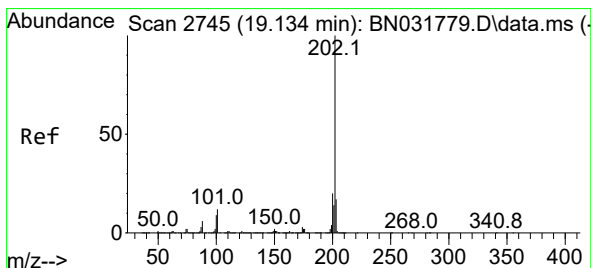
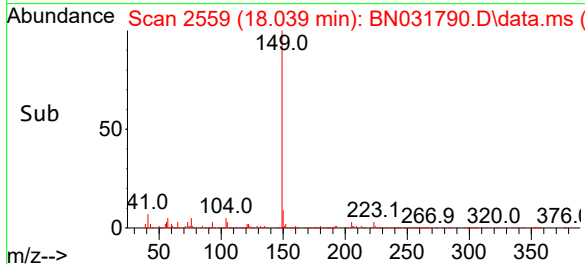
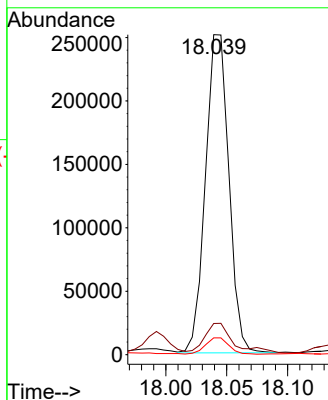
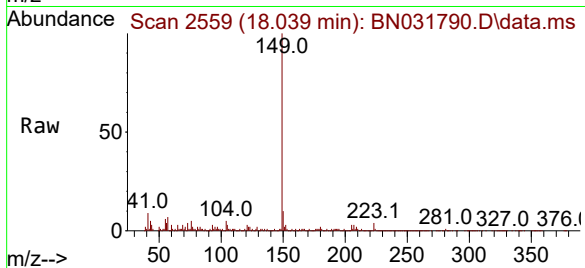




#78
Di-n-butylphthalate
Concen: 2.312 ng/ul
RT: 18.039 min Scan# 21
Delta R.T. -0.006 min
Lab File: BN031790.D
Acq: 05 Jun 2024 00:08

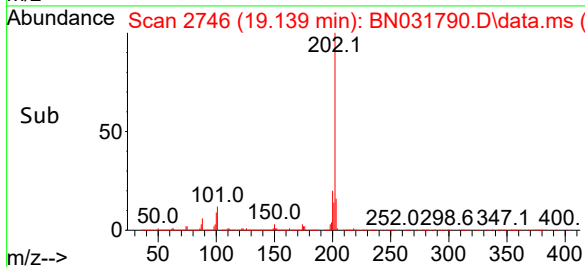
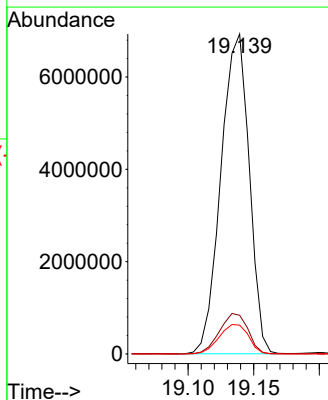
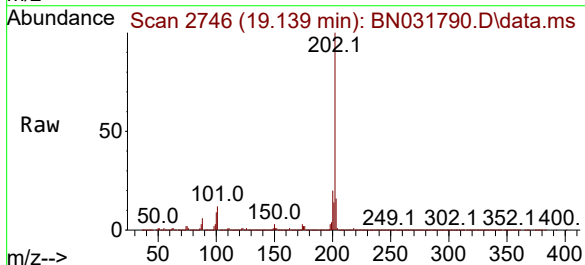
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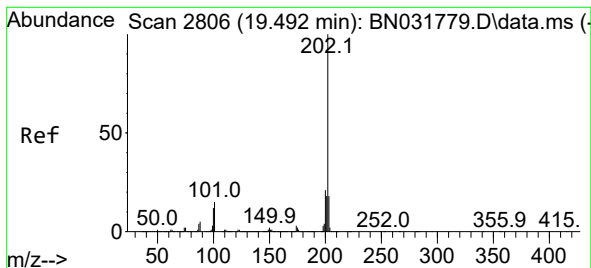
Tgt Ion:149 Resp: 335921
Ion Ratio Lower Upper
149 100
150 9.7 7.4 11.0
104 5.2 4.1 6.1



#80
Fluoranthene
Concen: 117.073 ng/ul
RT: 19.139 min Scan# 2746
Delta R.T. 0.006 min
Lab File: BN031790.D
Acq: 05 Jun 2024 00:08

Tgt Ion:202 Resp:10405799
Ion Ratio Lower Upper
202 100
101 12.1 10.3 15.5
100 9.0 8.0 12.0





#82

Pyrene

Concen: 80.028 ng/ul

RT: 19.498 min Scan# 2806

Delta R.T. 0.006 min

Lab File: BN031790.D

Acq: 05 Jun 2024 00:08

Instrument :

BNA_N

ClientSampleId :

BHBQ6

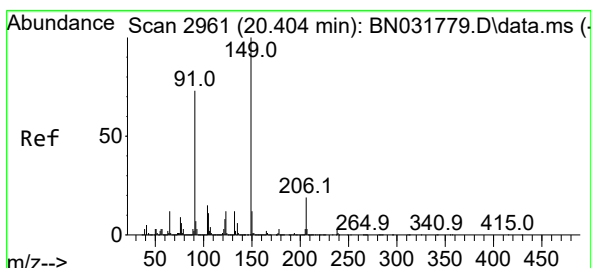
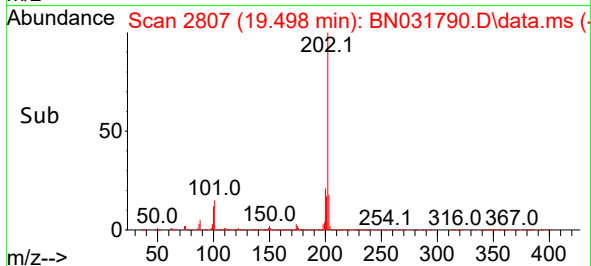
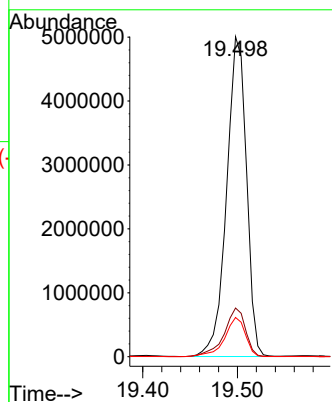
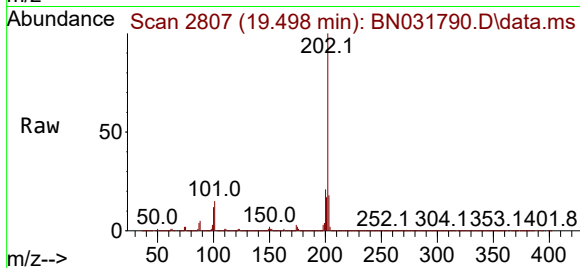
Tgt Ion:202 Resp: 7298075

Ion Ratio Lower Upper

202 100

101 15.2 12.6 18.8

100 12.2 10.2 15.2



#83

Butylbenzylphthalate

Concen: 1.504 ng/ul

RT: 20.404 min Scan# 2961

Delta R.T. -0.000 min

Lab File: BN031790.D

Acq: 05 Jun 2024 00:08

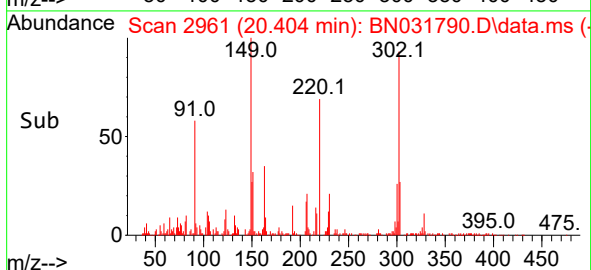
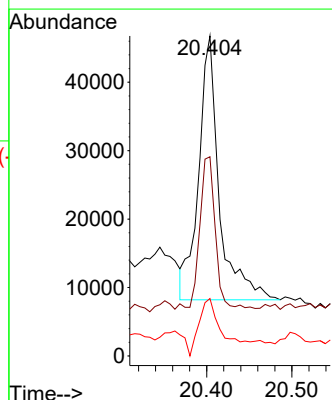
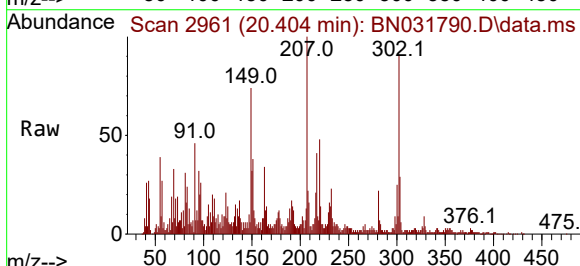
Tgt Ion:149 Resp: 64797

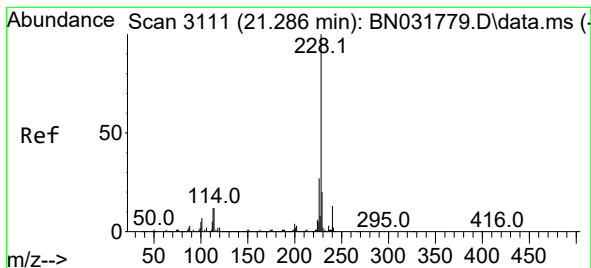
Ion Ratio Lower Upper

149 100

91 62.2 61.0 91.4

206 18.0 16.5 24.7





#85

Benzo(a)anthracene

Concen: 48.250 ng/ul

RT: 21.286 min Scan# 3111

Delta R.T. -0.000 min

Lab File: BN031790.D

Acq: 05 Jun 2024 00:08

Instrument :

BNA_N

ClientSampleId :

BHBQ6

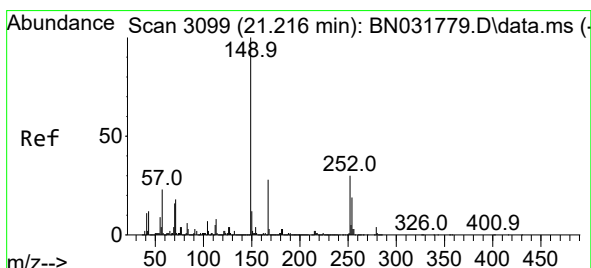
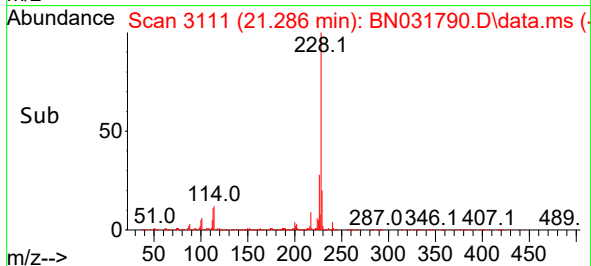
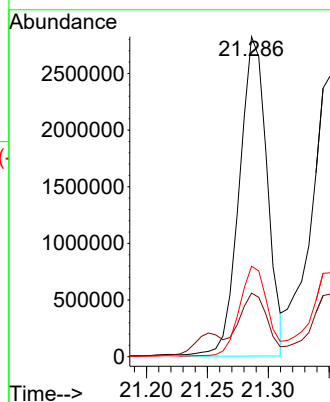
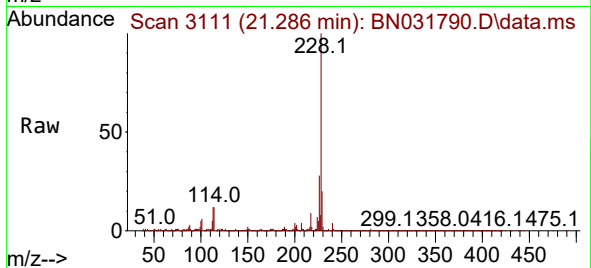
Tgt Ion:228 Resp: 4488563

Ion Ratio Lower Upper

228 100

229 19.8 16.7 25.1

226 28.2 22.8 34.2



#86

Bis(2-ethylhexyl)phthalate

Concen: 6.132 ng/ul

RT: 21.216 min Scan# 3099

Delta R.T. -0.006 min

Lab File: BN031790.D

Acq: 05 Jun 2024 00:08

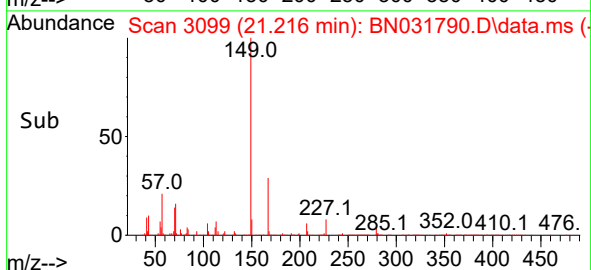
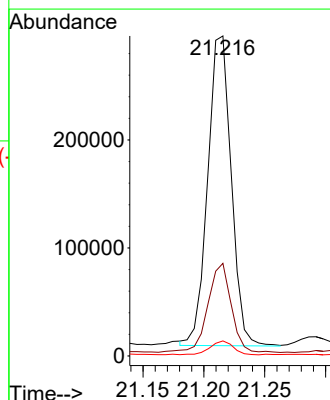
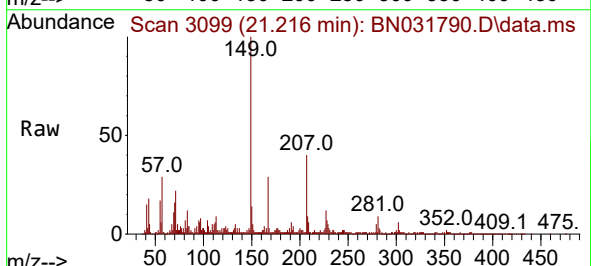
Tgt Ion:149 Resp: 385020

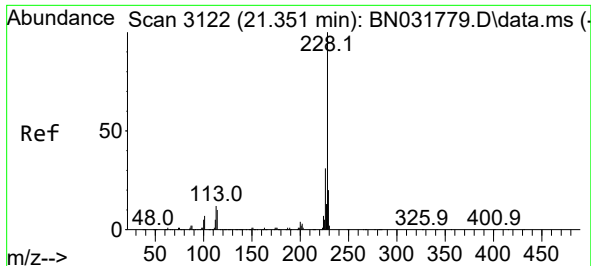
Ion Ratio Lower Upper

149 100

167 29.0 21.4 32.0

279 4.7 3.3 4.9





#87

Chrysene

Concen: 48.438 ng/ul

RT: 21.351 min Scan# 3122

Delta R.T. -0.000 min

Lab File: BN031790.D

Acq: 05 Jun 2024 00:08

Instrument :

BNA_N

ClientSampleId :

BHBQ6

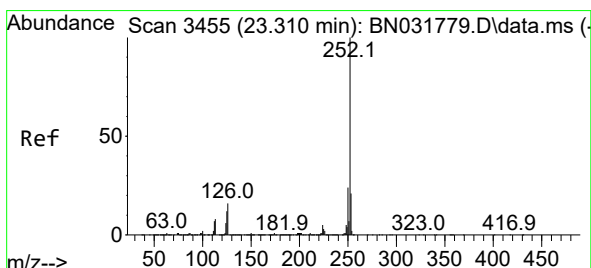
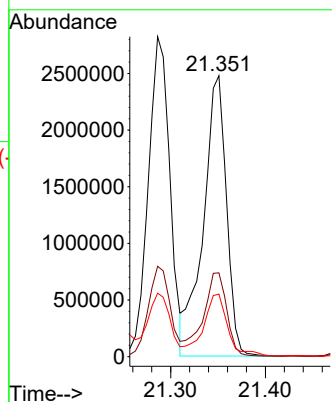
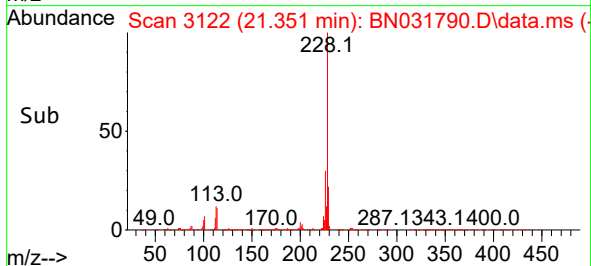
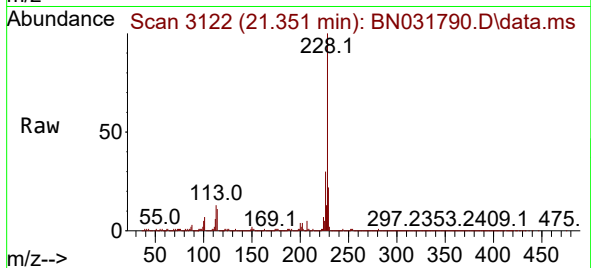
Tgt Ion:228 Resp: 4208953

Ion Ratio Lower Upper

228 100

226 29.9 23.7 35.5

229 22.3 15.1 22.7



#90

Benzo(b)fluoranthene

Concen: 51.223 ng/ul

RT: 23.327 min Scan# 3458

Delta R.T. 0.018 min

Lab File: BN031790.D

Acq: 05 Jun 2024 00:08

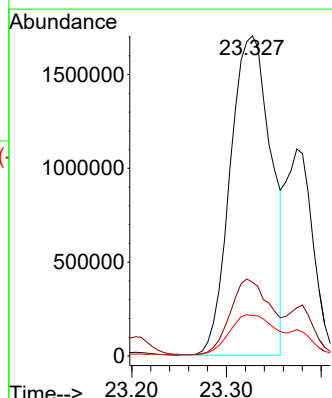
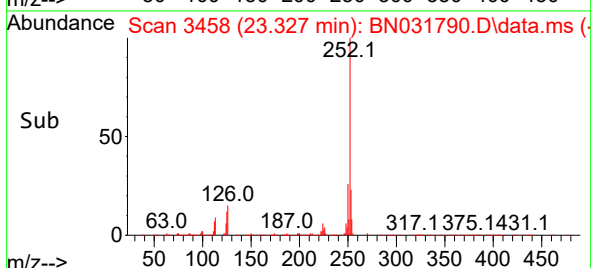
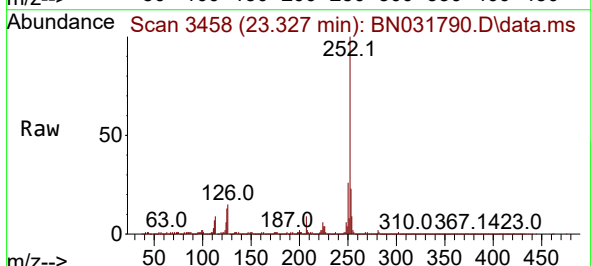
Tgt Ion:252 Resp: 5111720

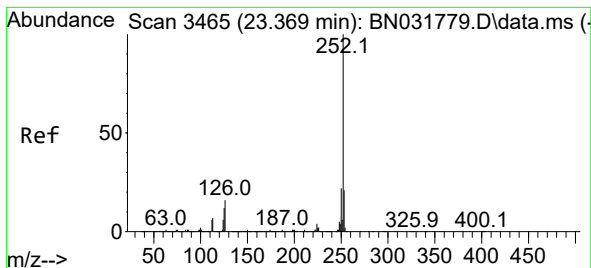
Ion Ratio Lower Upper

252 100

253 23.1 17.0 25.6

125 12.6 9.2 13.8





#91

Benzo(k)fluoranthene

Concen: 18.720 ng/ul

RT: 23.374 min Scan# 3465

Delta R.T. -0.000 min

Lab File: BN031790.D

Acq: 05 Jun 2024 00:08

Instrument :

BNA_N

ClientSampleId :

BHBQ6

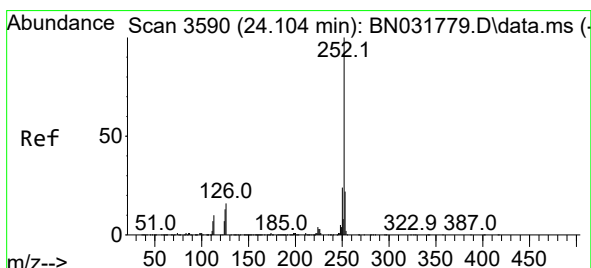
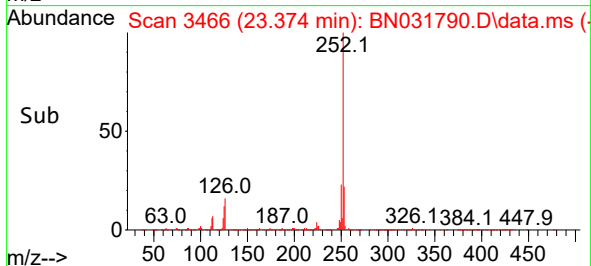
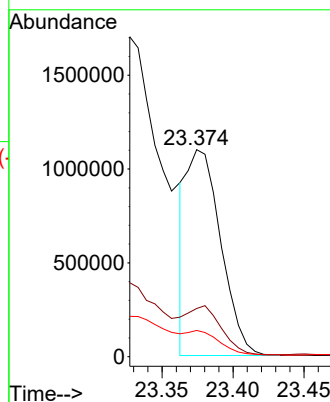
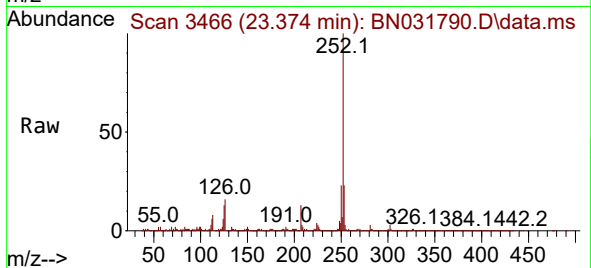
Tgt Ion:252 Resp: 1833102

Ion Ratio Lower Upper

252 100

253 23.3 17.6 26.4

125 12.6 9.4 14.2



#93

Benzo(a)pyrene

Concen: 23.643 ng/ul

RT: 24.110 min Scan# 3591

Delta R.T. 0.006 min

Lab File: BN031790.D

Acq: 05 Jun 2024 00:08

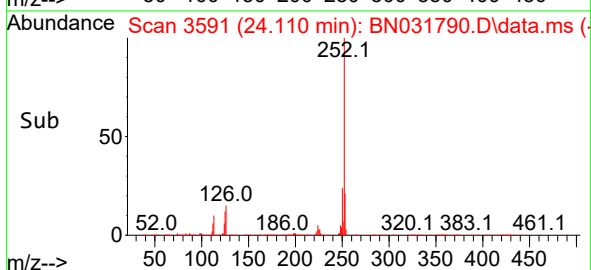
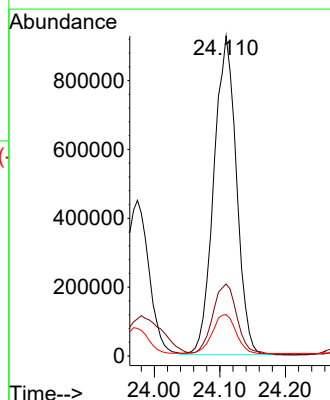
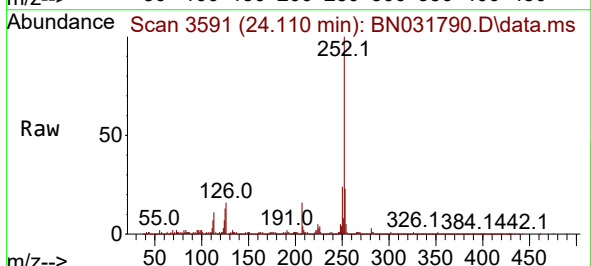
Tgt Ion:252 Resp: 2209818

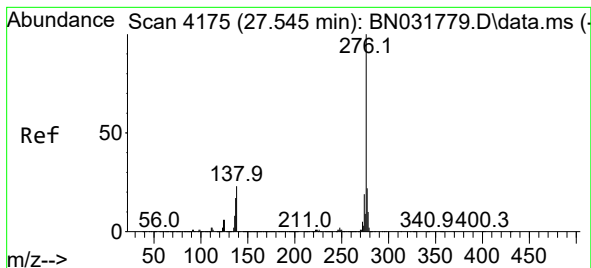
Ion Ratio Lower Upper

252 100

253 22.5 16.6 24.8

125 13.0 9.8 14.8





#94

Indeno(1,2,3-cd)pyrene

Concen: 18.032 ng/ul

RT: 27.568 min Scan# 4179

Delta R.T. 0.035 min

Lab File: BN031790.D

Acq: 05 Jun 2024 00:08

Instrument :

BNA_N

ClientSampleId :

BHBQ6

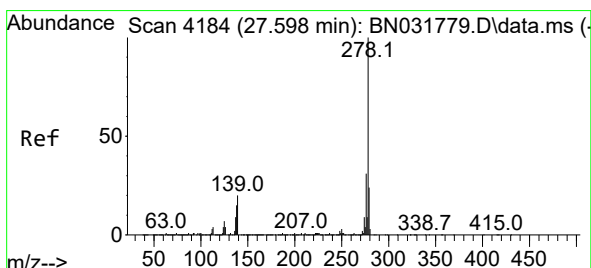
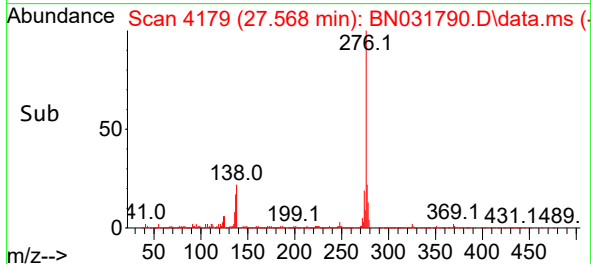
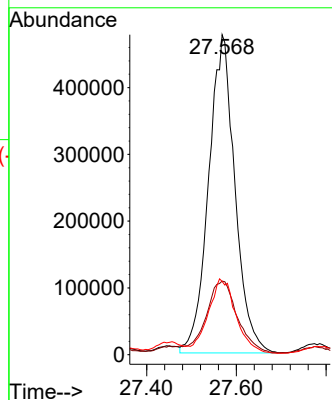
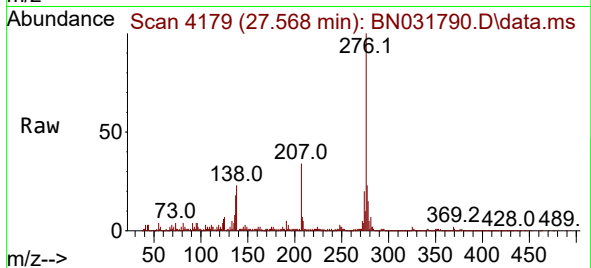
Tgt Ion:276 Resp: 1942078

Ion Ratio Lower Upper

276 100

138 23.0 18.1 27.1

277 22.9 18.2 27.2



#95

Dibenzo(a,h)anthracene

Concen: 3.545 ng/ul

RT: 27.598 min Scan# 4184

Delta R.T. -0.006 min

Lab File: BN031790.D

Acq: 05 Jun 2024 00:08

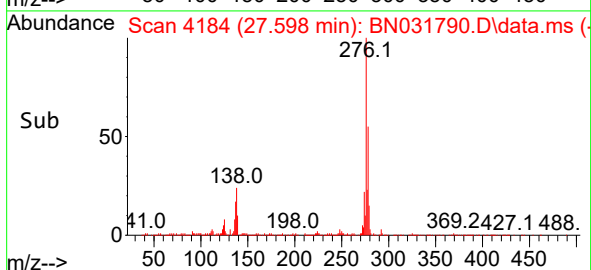
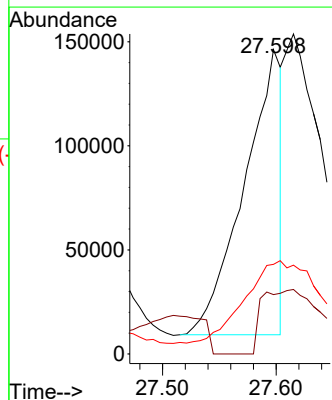
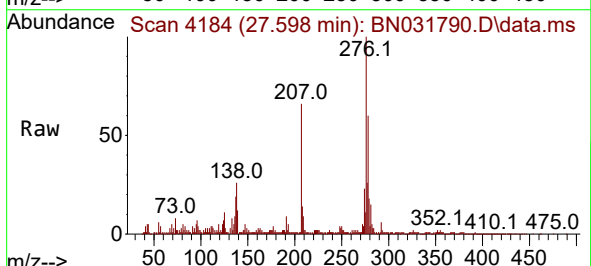
Tgt Ion:278 Resp: 311740

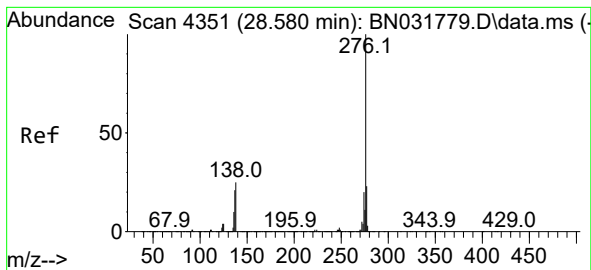
Ion Ratio Lower Upper

278 100

139 19.5 15.0 22.6

279 29.5 17.4 26.0#





#96

Benzo(g,h,i)perylene

Concen: 2.755 ng/ul

RT: 28.592 min Scan# 41

Delta R.T. 0.023 min

Lab File: BN031790.D

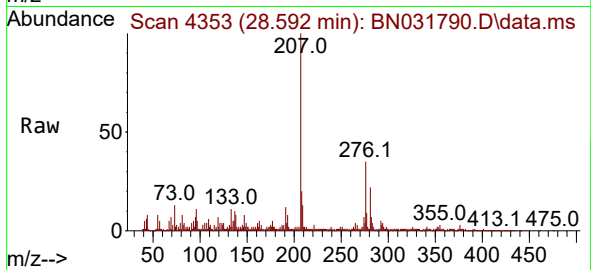
Acq: 05 Jun 2024 00:08

Instrument :

BNA_N

ClientSampleId :

BHBQ6



Tgt Ion:276 Resp: 235912

Ion Ratio Lower Upper

276 100

138 24.3 20.9 31.3

277 24.7 18.0 27.0

