

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060524\
 Data File : BN031787.D
 Acq On : 04 Jun 2024 22:09
 Operator : MA/JU
 Sample : P2591-12
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BHBQ3

Quant Time: Jun 05 00:38:48 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	514288	20.000	ng/u1	0.00
20) Naphthalene-d8	10.463	136	2201785	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.322	164	1278991	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.075	188	2206591	20.000	ng/u1	0.00
79) Chrysene-d12	21.310	240	1304635	20.000	ng/u1	0.00
88) Perylene-d12	24.251	264	1569356	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.193	96	44550	3.584	ng/uL	0.00
4) Pyridine-d5	3.599	84	157860	4.511	ng/u1	0.00
7) Phenol-d5	6.852	99	1038134	23.546	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.022	67	573439	22.236	ng/u1	0.00
11) 2-Chlorophenol-d4	7.210	132	821189	24.411	ng/u1	0.00
15) 4-Methylphenol-d8	8.387	113	810033	22.539	ng/u1	0.00
21) Nitrobenzene-d5	8.834	128	427224	25.377	ng/u1	0.00
24) 2-Nitrophenol-d4	9.552	143	448446	25.787	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.087	165	809303	24.928	ng/u1	0.00
31) 4-Chloroaniline-d4	10.604	131	812975	16.866	ng/u1	0.00
46) Dimethylphthalate-d6	13.740	166	2330243	26.152	ng/u1	0.00
49) Acenaphthylene-d8	14.016	160	2739759	26.741	ng/u1	0.00
54) 4-Nitrophenol-d4	14.528	143	271381	15.212	ng/u1	0.00
60) Fluorene-d10	15.316	176	1943277	25.776	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.451	200	104312	9.405	ng/u1	0.01
73) Anthracene-d10	17.169	188	2624711	27.784	ng/u1	0.00
81) Pyrene-d10	19.469	212	2134561	30.575	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.051	264	1595284	21.288	ng/u1	0.01
Target Compounds						
					Qvalue	
30) Naphthalene	10.510	128	385008	3.379	ng/u1	99
36) 2-Methylnaphthalene	12.128	142	147975	1.900	ng/u1	98
37) 1-Methylnaphthalene	12.351	142	127119	1.627	ng/u1	100
50) Acenaphthylene	14.045	152	186693	1.612	ng/u1	98
52) Acenaphthene	14.387	153	431248	5.629	ng/u1	96
56) Dibenzofuran	14.722	168	616955	5.927	ng/u1	97
61) Fluorene	15.375	166	544099	6.491	ng/u1	97
72) Phenanthrene	17.116	178	9653486	85.880	ng/u1	99
74) Anthracene	17.204	178	2343841	20.578	ng/u1	99
77) Carbazole	17.475	167	1283568	13.216	ng/u1	98
80) Fluoranthene	19.139	202	12899906	154.611	ng/u1	98
82) Pyrene	19.504	202	9947820	116.208	ng/u1	96
85) Benzo(a)anthracene	21.292	228	6372772	72.978	ng/u1	98
86) Bis(2-ethylhexyl)phtha...	21.216	149	205163	3.481	ng/u1	99
87) Chrysene	21.351	228	5826685	71.434	ng/u1	96
90) Benzo(b)fluoranthene	23.327	252	8334779	88.853	ng/u1	100
91) Benzo(k)fluoranthene	23.380	252	2599707	28.243	ng/u1	97
93) Benzo(a)pyrene	24.110	252	3788403	43.121	ng/u1	96
94) Indeno(1,2,3-cd)pyrene	27.562	276	1630224	16.103	ng/u1	97
95) Dibenzo(a,h)anthracene	27.598	278	530963	6.424	ng/u1#	94
96) Benzo(g,h,i)perylene	28.592	276	515190	6.402	ng/u1	97

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

Instrument :

BNA_N

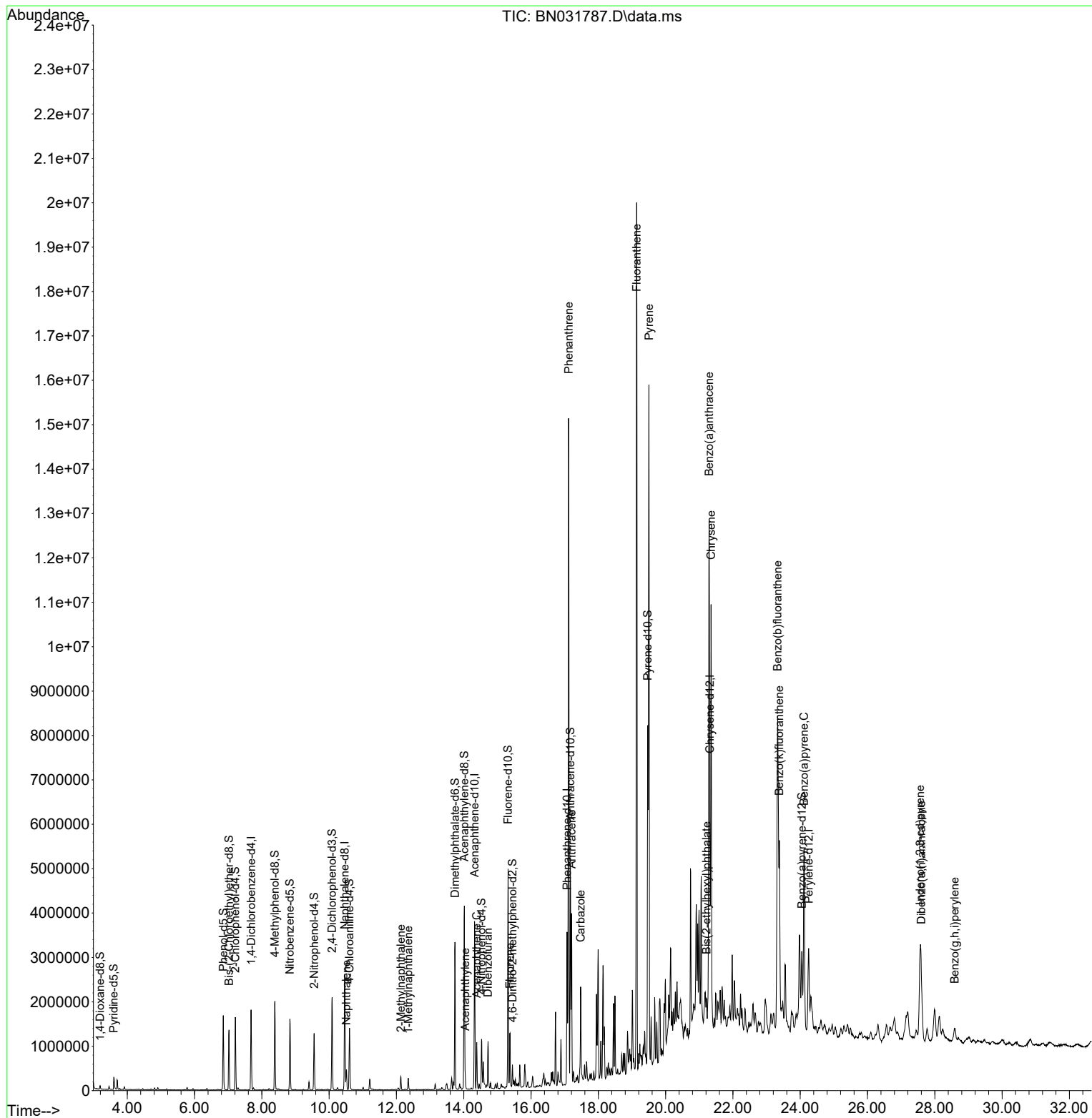
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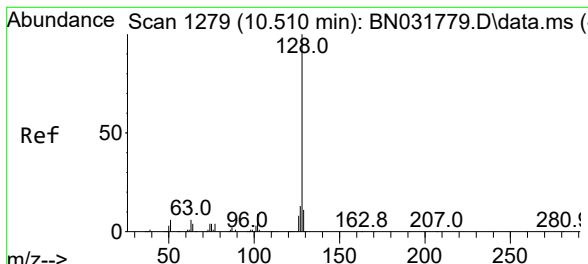
BHBQ3

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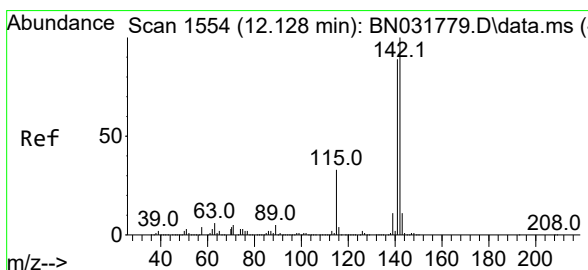
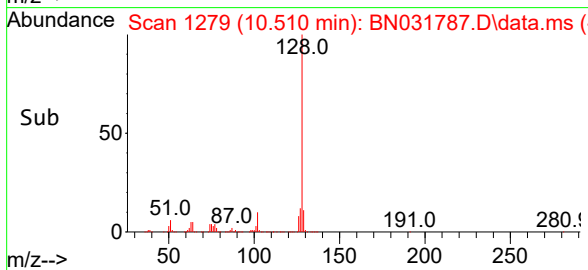
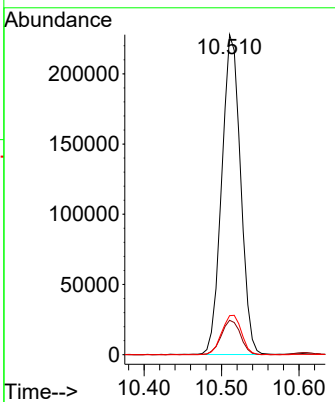
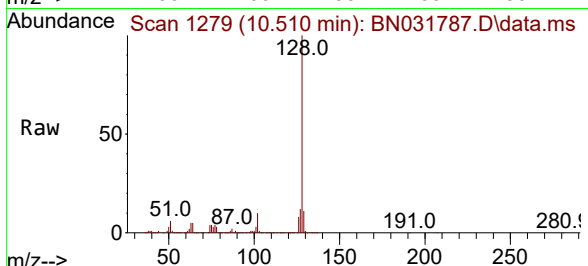




#30
Naphthalene
Concen: 3.379 ng/ul
RT: 10.510 min Scan# 1279
Delta R.T. -0.006 min
Lab File: BN031787.D
Acq: 04 Jun 2024 22:09

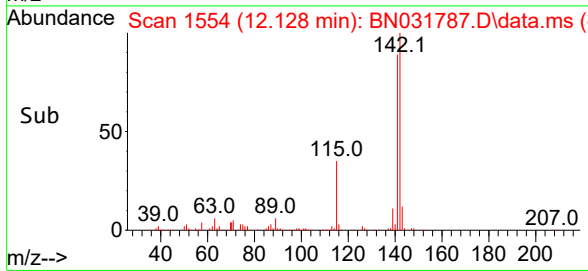
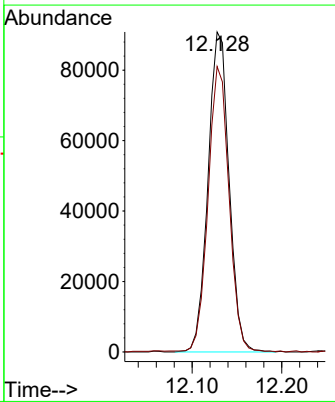
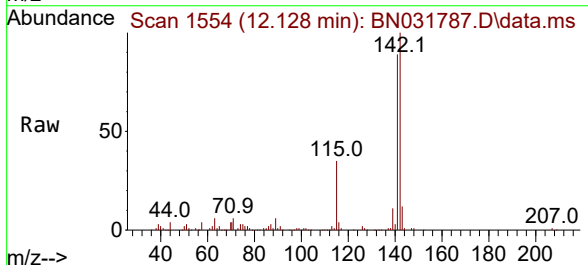
Instrument :
BNA_N
ClientSampleId :
BHBQ3

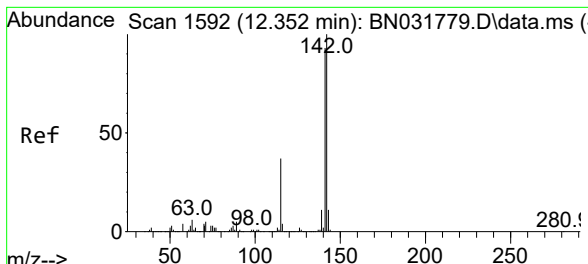
Tgt Ion:	128	Resp:	385008
Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.5	12.7
127	12.2	10.3	15.5



#36
2-Methylnaphthalene
Concen: 1.900 ng/ul
RT: 12.128 min Scan# 1554
Delta R.T. -0.006 min
Lab File: BN031787.D
Acq: 04 Jun 2024 22:09

Tgt Ion:	142	Resp:	147975
Ion	Ratio	Lower	Upper
142	100		
141	89.2	70.1	105.1



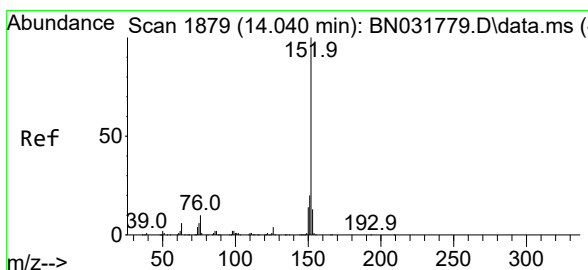
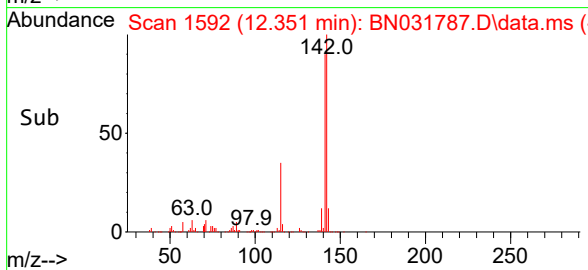
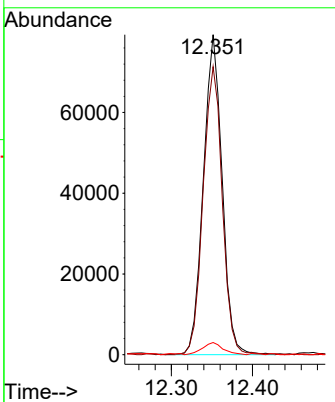
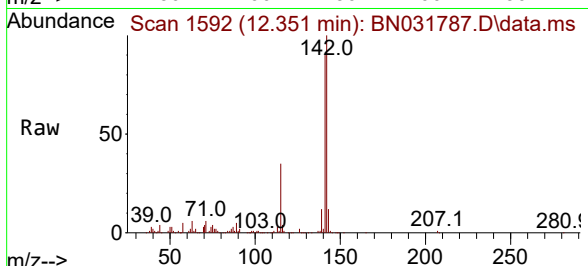


#37
 1-Methylnaphthalene
 Concen: 1.627 ng/ul
 RT: 12.351 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BN031787.D
 Acq: 04 Jun 2024 22:09

Instrument :
 BNA_N
 ClientSampleId :
 BHBQ3

Tgt Ion:142 Resp: 127119

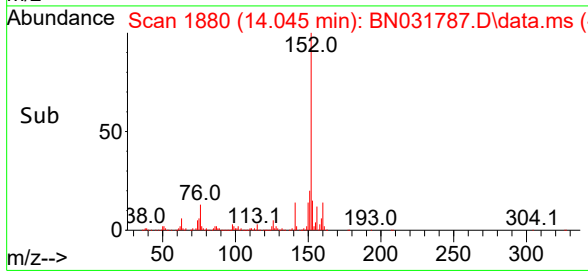
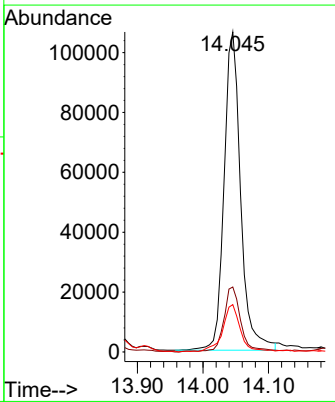
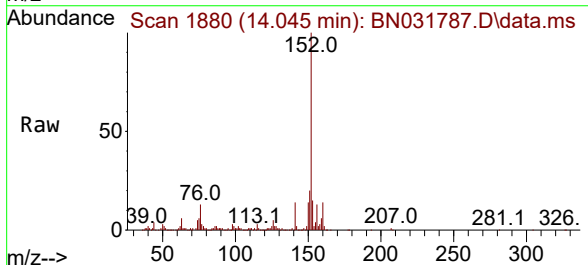
Ion	Ratio	Lower	Upper
142	100		
141	90.0	71.7	107.5
116	3.8	3.0	4.4

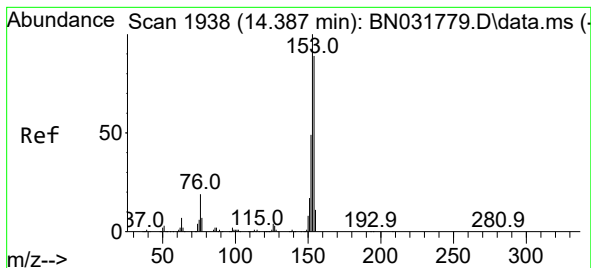


#50
 Acenaphthylene
 Concen: 1.612 ng/ul
 RT: 14.045 min Scan# 1880
 Delta R.T. -0.000 min
 Lab File: BN031787.D
 Acq: 04 Jun 2024 22:09

Tgt Ion:152 Resp: 186693

Ion	Ratio	Lower	Upper
152	100		
151	20.3	15.9	23.9
153	14.8	10.4	15.6





#52

Acenaphthene

Concen: 5.629 ng/ul

RT: 14.387 min Scan# 1938

Delta R.T. -0.000 min

Lab File: BN031787.D

Acq: 04 Jun 2024 22:09

Instrument :

BNA_N

ClientSampleId :

BHBQ3

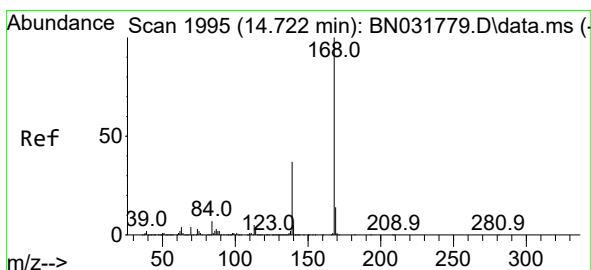
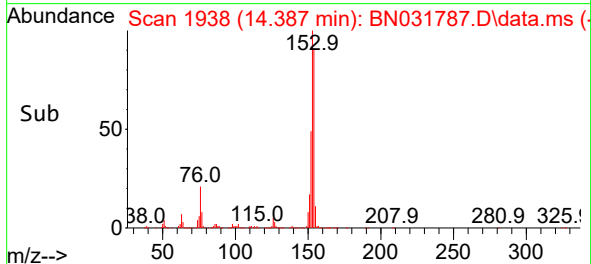
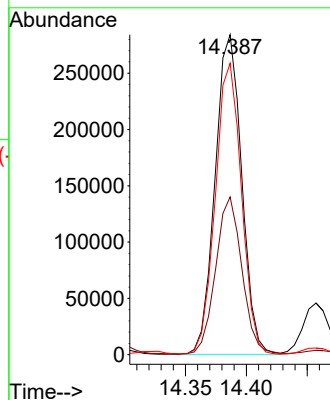
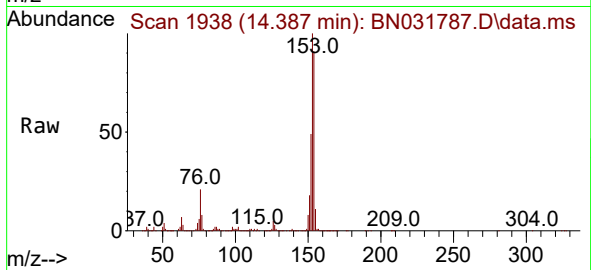
Tgt Ion:153 Resp: 431248

Ion Ratio Lower Upper

153 100

152 49.3 37.8 56.6

154 91.1 69.8 104.8



#56

Dibenzofuran

Concen: 5.927 ng/ul

RT: 14.722 min Scan# 1995

Delta R.T. -0.006 min

Lab File: BN031787.D

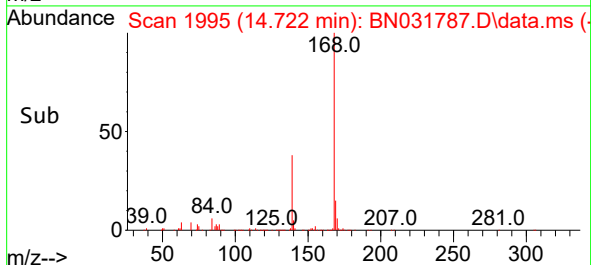
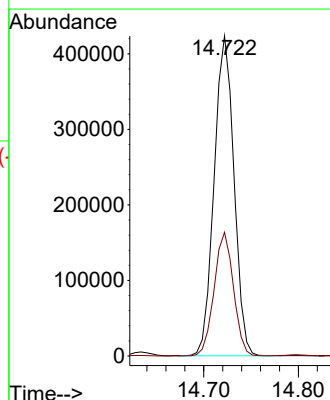
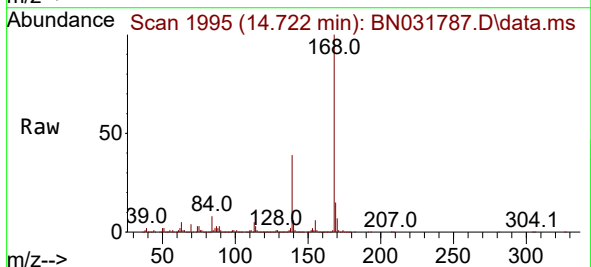
Acq: 04 Jun 2024 22:09

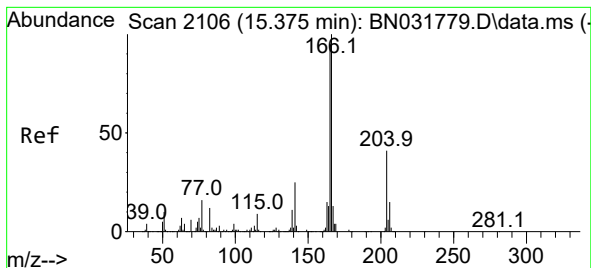
Tgt Ion:168 Resp: 616955

Ion Ratio Lower Upper

168 100

139 38.6 29.4 44.0





#61

Fluorene

Concen: 6.491 ng/ul

RT: 15.375 min Scan# 2106

Delta R.T. -0.000 min

Lab File: BN031787.D

Acq: 04 Jun 2024 22:09

Instrument :

BNA_N

ClientSampleId :

BHBQ3

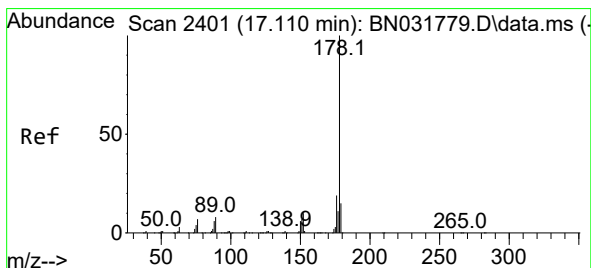
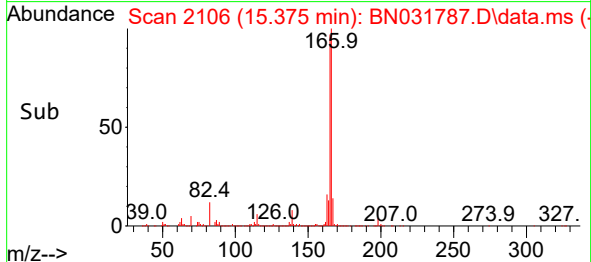
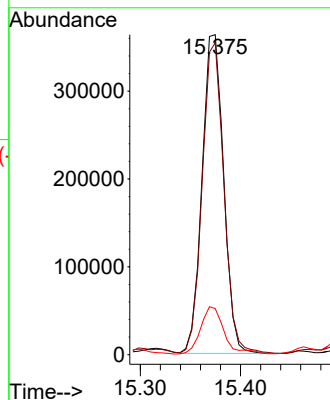
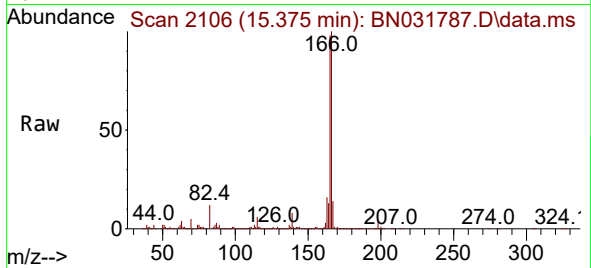
Tgt Ion:166 Resp: 544099

Ion Ratio Lower Upper

166 100

165 97.5 80.3 120.5

167 14.4 11.3 16.9



#72

Phenanthrene

Concen: 85.880 ng/ul

RT: 17.116 min Scan# 2402

Delta R.T. -0.000 min

Lab File: BN031787.D

Acq: 04 Jun 2024 22:09

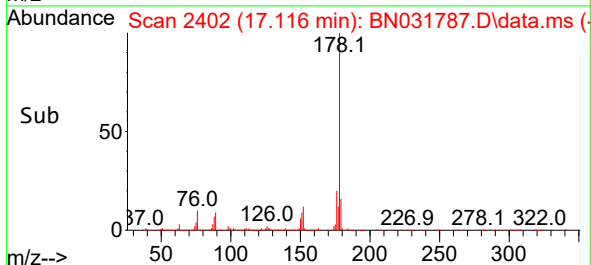
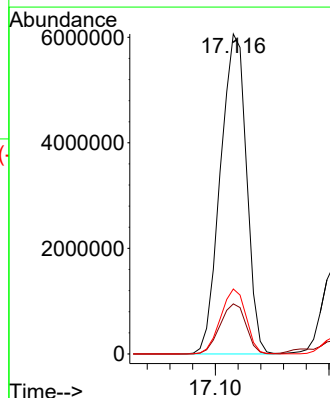
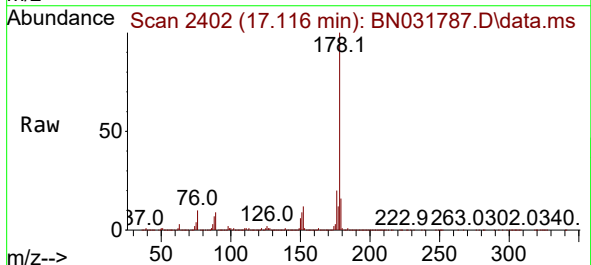
Tgt Ion:178 Resp: 9653486

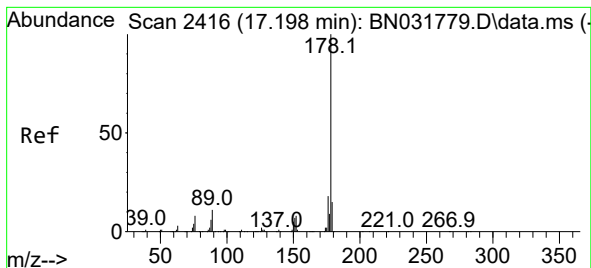
Ion Ratio Lower Upper

178 100

179 15.7 12.6 19.0

176 20.3 15.8 23.6





#74

Anthracene

Concen: 20.578 ng/ul

RT: 17.204 min Scan# 2416

Delta R.T. -0.000 min

Lab File: BN031787.D

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ClientSampleId :

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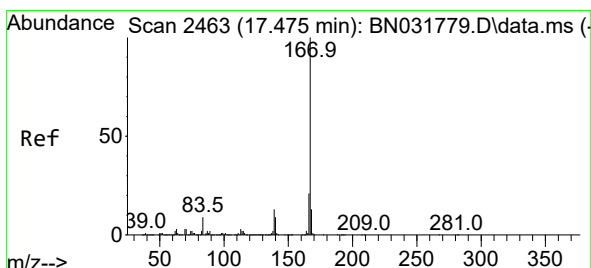
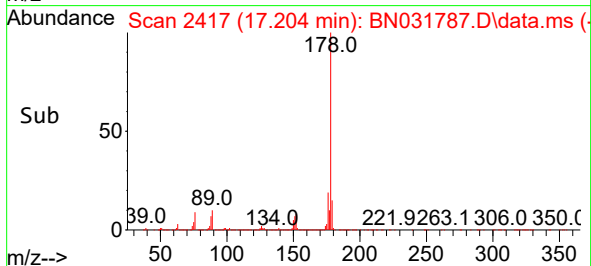
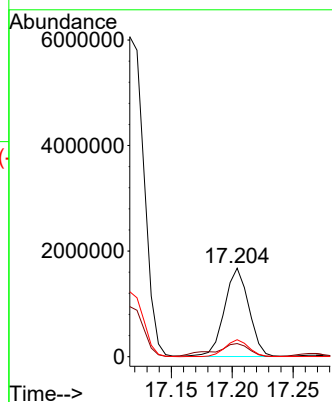
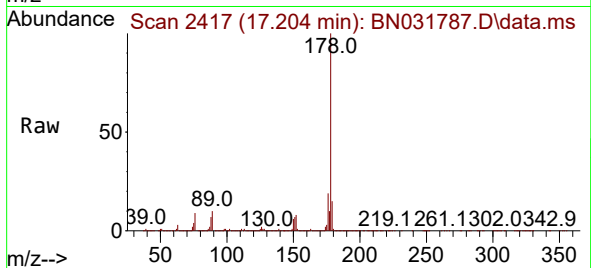
Tgt Ion:178 Resp: 2343841

Ion Ratio Lower Upper

178 100

179 14.9 11.8 17.6

176 19.1 14.8 22.2



#77

Carbazole

Concen: 13.216 ng/ul

RT: 17.475 min Scan# 2463

Delta R.T. -0.000 min

Lab File: BN031787.D

Acq: 04 Jun 2024 22:09

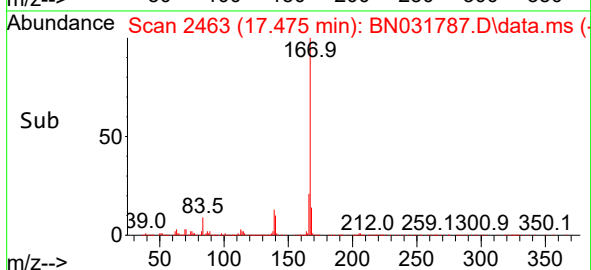
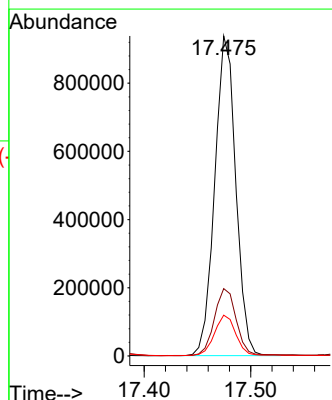
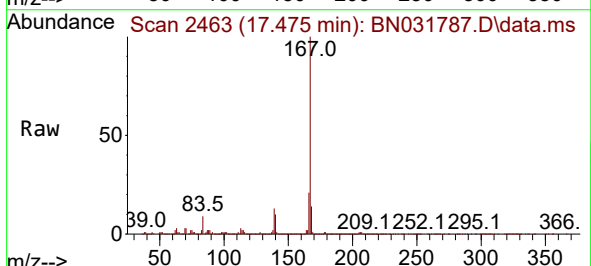
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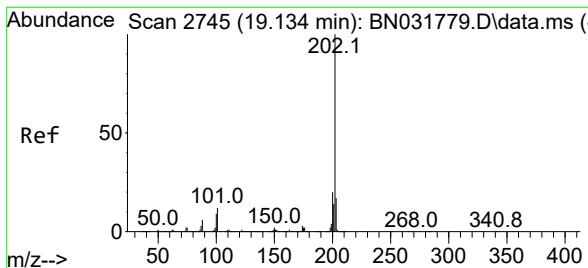
Ion Ratio Lower Upper

167 100

166 21.1 17.9 26.9

139 12.7 10.5 15.7





#80

Fluoranthene

Concen: 154.611 ng/ul

RT: 19.139 min Scan# 21

Delta R.T. 0.006 min

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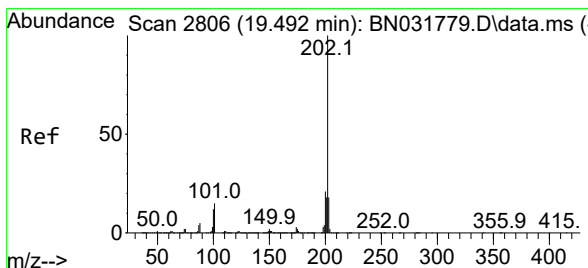
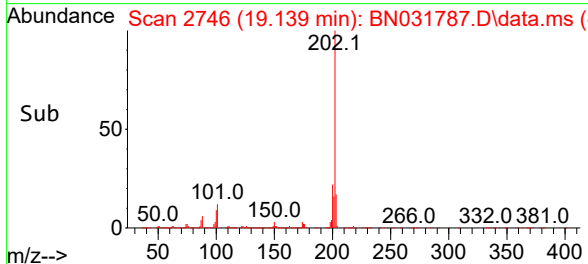
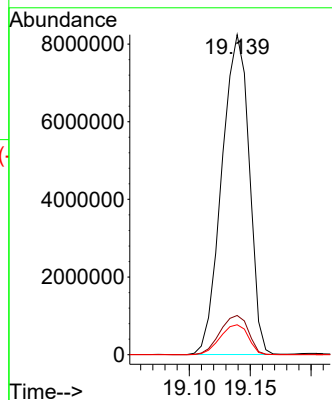
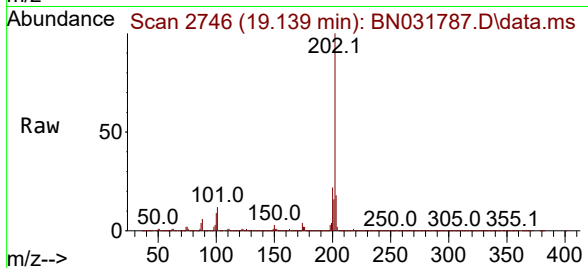
Tgt Ion:202 Resp:12899906

Ion Ratio Lower Upper

202 100

101 12.3 10.3 15.5

100 9.4 8.0 12.0



#82

Pyrene

Concen: 116.208 ng/ul

RT: 19.504 min Scan# 2808

Delta R.T. 0.012 min

Lab File: BN031787.D

Acq: 04 Jun 2024 22:09

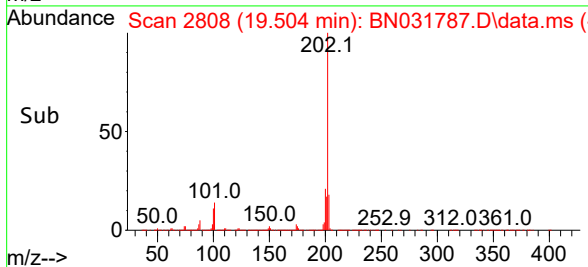
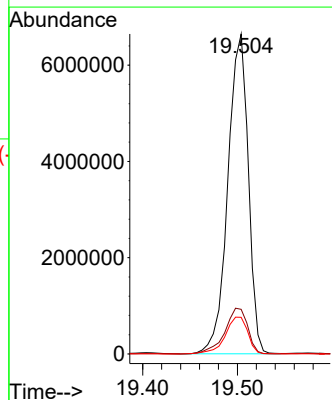
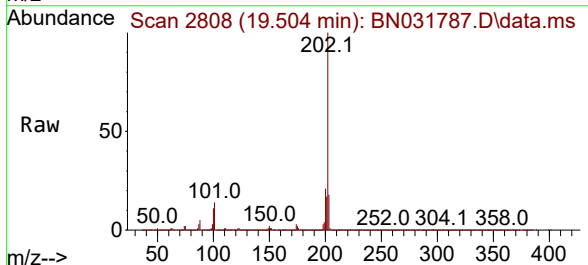
Tgt Ion:202 Resp: 9947820

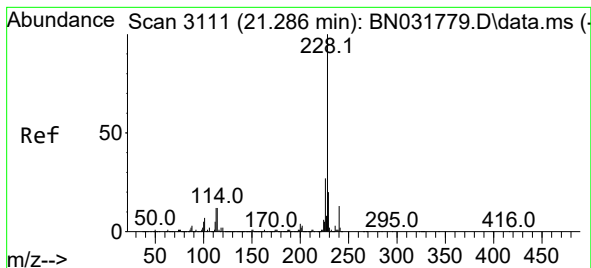
Ion Ratio Lower Upper

202 100

101 14.0 12.6 18.8

100 11.5 10.2 15.2





#85

Benzo(a)anthracene

Concen: 72.978 ng/ul

RT: 21.292 min Scan# 3111

Delta R.T. 0.006 min

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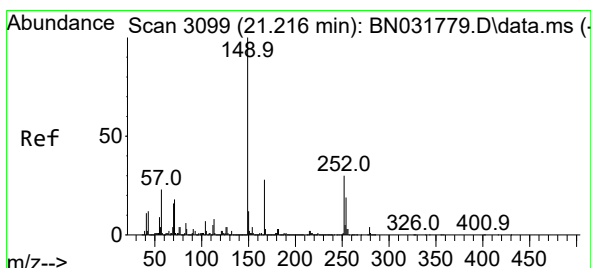
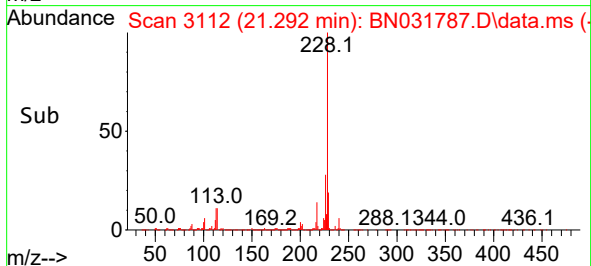
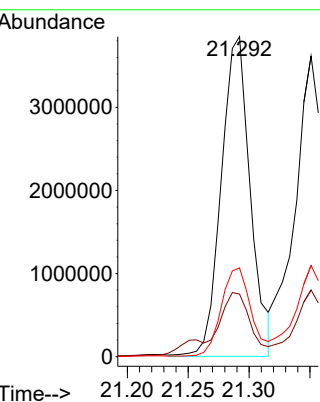
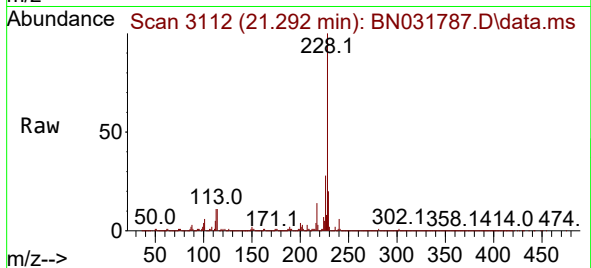
Tgt Ion:228 Resp: 6372772

Ion Ratio Lower Upper

228 100

229 19.5 16.7 25.1

226 27.8 22.8 34.2



#86

Bis(2-ethylhexyl)phthalate

Concen: 3.481 ng/ul

RT: 21.216 min Scan# 3099

Delta R.T. -0.006 min

Lab File: BN031787.D

Acq: 04 Jun 2024 22:09

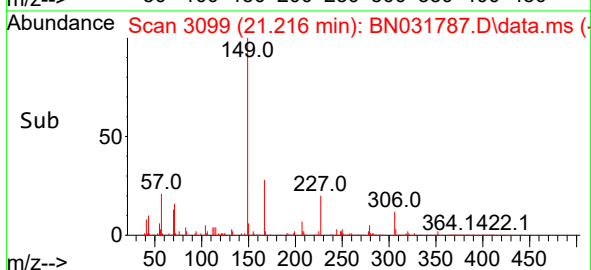
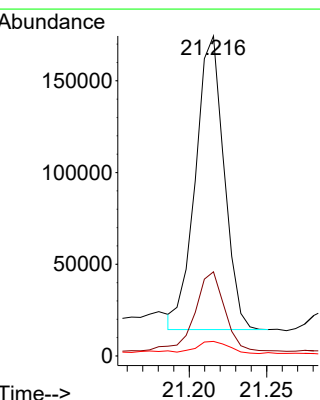
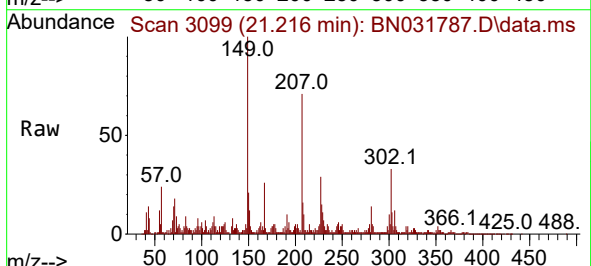
Tgt Ion:149 Resp: 205163

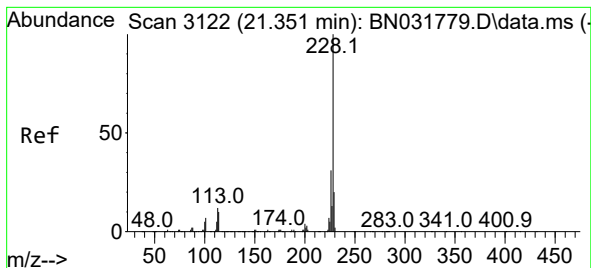
Ion Ratio Lower Upper

149 100

167 26.3 21.4 32.0

279 4.5 3.3 4.9





#87

Chrysene

Concen: 71.434 ng/ul

RT: 21.351 min Scan# 3122

Delta R.T. -0.000 min

Lab File: BN031787.D

Acq: 04 Jun 2024 22:09

Instrument :

BNA_N

ClientSampleId :

BHBQ3

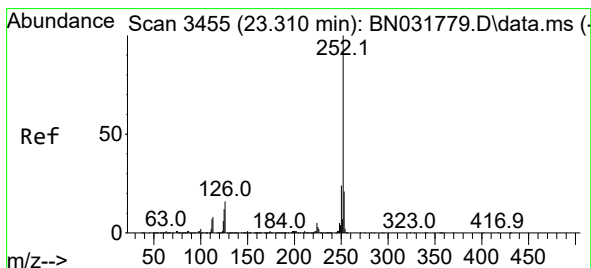
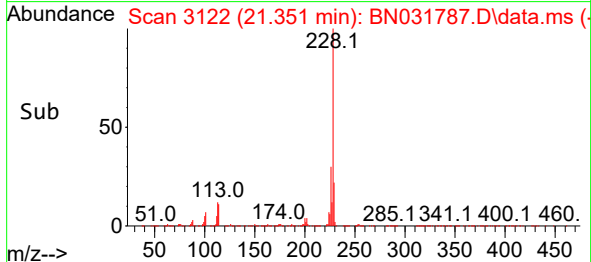
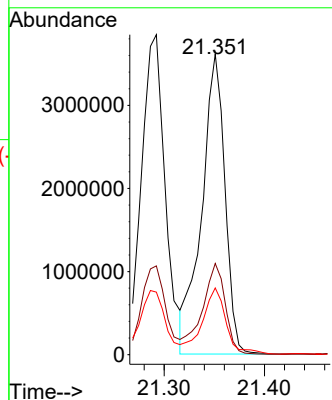
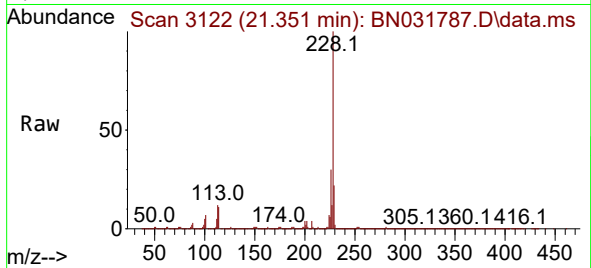
Tgt Ion:228 Resp: 5826685

Ion Ratio Lower Upper

228 100

226 30.4 23.7 35.5

229 22.2 15.1 22.7



#90

Benzo(b)fluoranthene

Concen: 88.853 ng/ul

RT: 23.327 min Scan# 3458

Delta R.T. 0.018 min

Lab File: BN031787.D

Acq: 04 Jun 2024 22:09

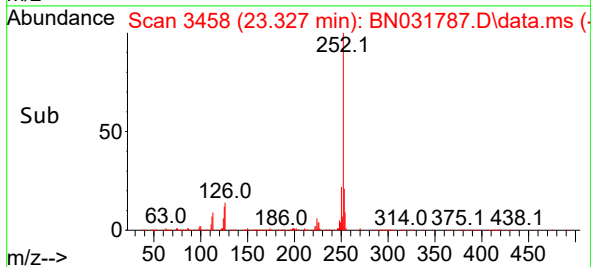
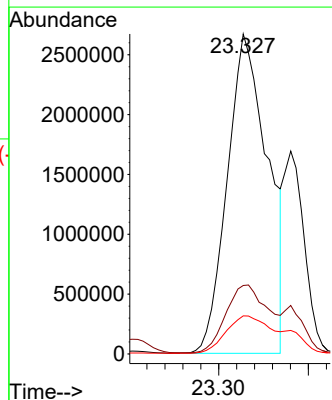
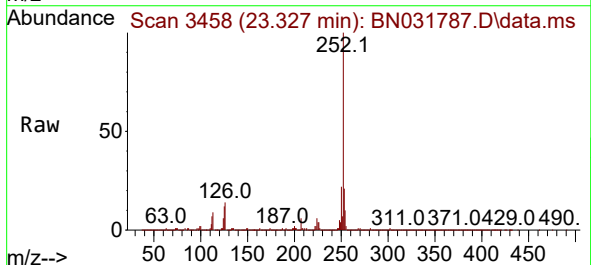
Tgt Ion:252 Resp: 8334779

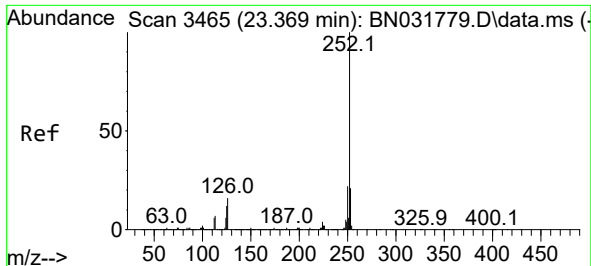
Ion Ratio Lower Upper

252 100

253 21.4 17.0 25.6

125 11.9 9.2 13.8

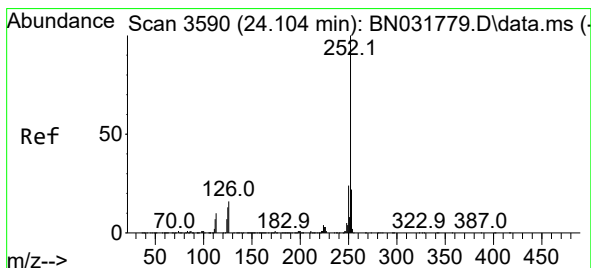
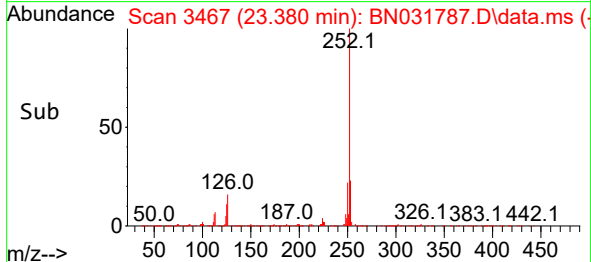
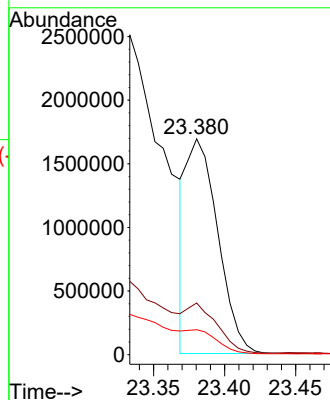
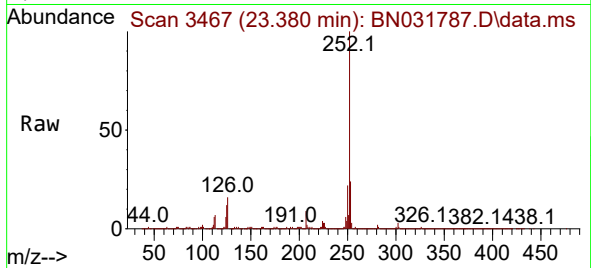




#91
Benzo(k)fluoranthene
Concen: 28.243 ng/uI
RT: 23.380 min Scan# 3465
Delta R.T. 0.006 min
Lab File: BN031787.D
Acq: 04 Jun 2024 22:09

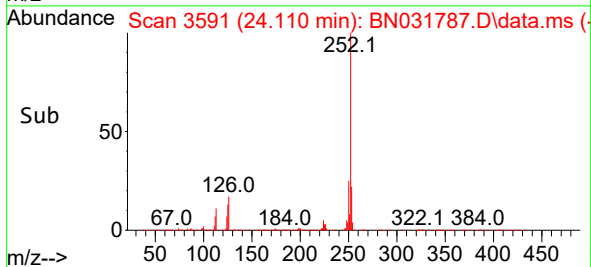
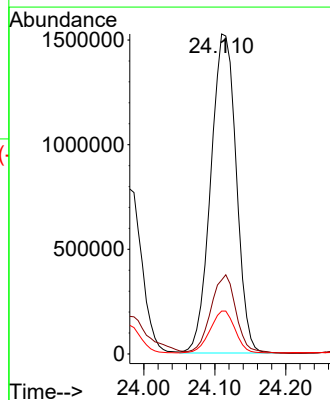
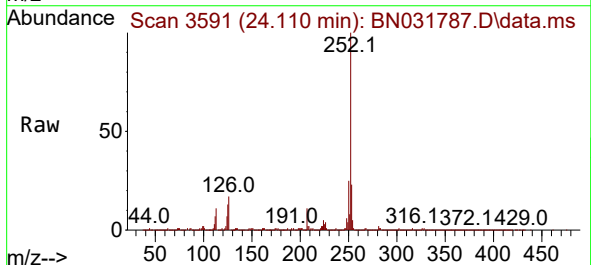
Instrument :
BNA_N
ClientSampleId :
BHBQ3

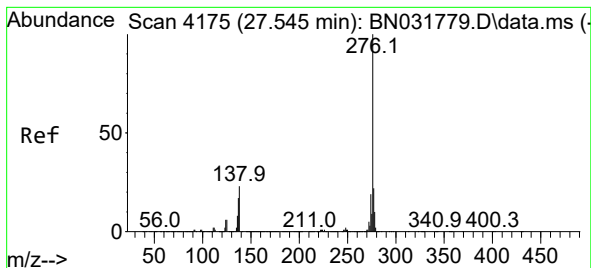
Tgt Ion:252 Resp: 2599707
Ion Ratio Lower Upper
252 100
253 23.9 17.6 26.4
125 11.6 9.4 14.2



#93
Benzo(a)pyrene
Concen: 43.121 ng/uI
RT: 24.110 min Scan# 3591
Delta R.T. 0.006 min
Lab File: BN031787.D
Acq: 04 Jun 2024 22:09

Tgt Ion:252 Resp: 3788403
Ion Ratio Lower Upper
252 100
253 23.1 16.6 24.8
125 13.4 9.8 14.8





#94

Indeno(1,2,3-cd)pyrene

Concen: 16.103 ng/ul

RT: 27.562 min Scan# 41

Delta R.T. 0.029 min

Lab File: BN031787.D

Acq: 04 Jun 2024 22:09

Instrument :

BNA_N

ClientSampleId :

BHBQ3

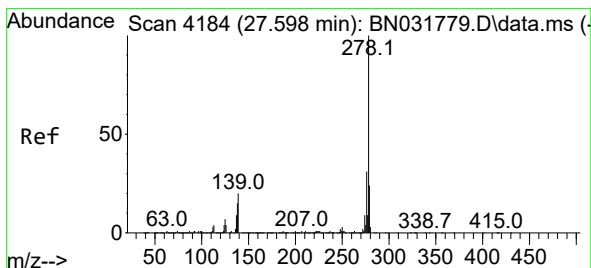
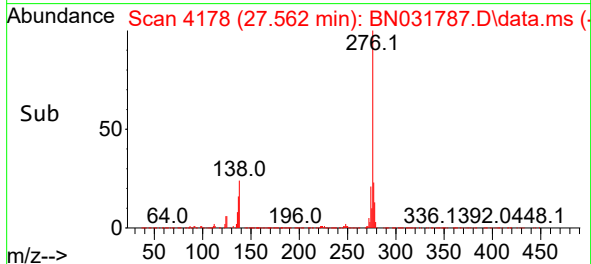
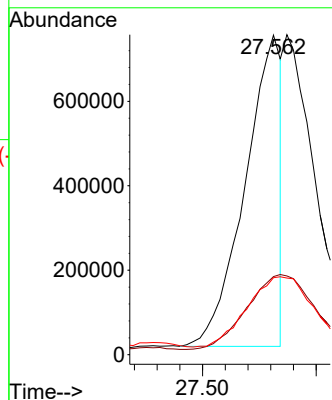
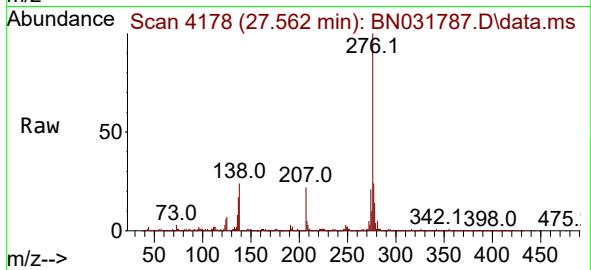
Tgt Ion:276 Resp: 1630224

Ion Ratio Lower Upper

276 100

138 24.4 18.1 27.1

277 24.1 18.2 27.2



#95

Dibenzo(a,h)anthracene

Concen: 6.424 ng/ul

RT: 27.598 min Scan# 4184

Delta R.T. -0.006 min

Lab File: BN031787.D

Acq: 04 Jun 2024 22:09

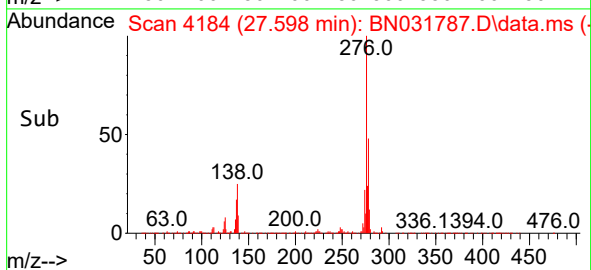
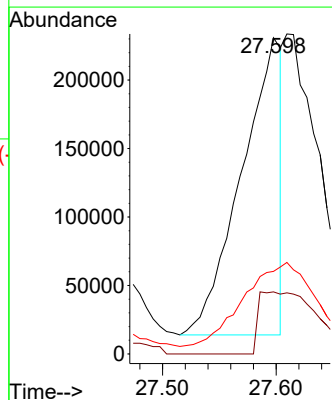
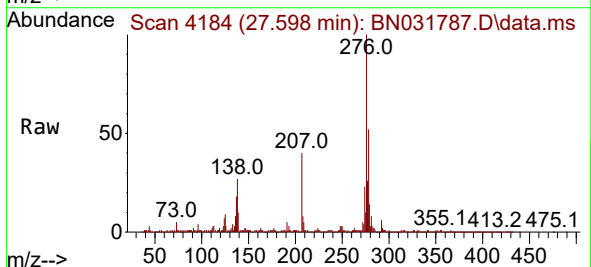
Tgt Ion:278 Resp: 530963

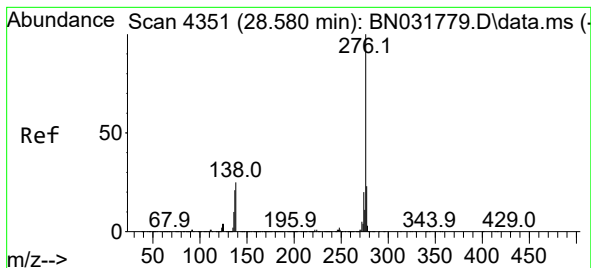
Ion Ratio Lower Upper

278 100

139 19.6 15.0 22.6

279 26.1 17.4 26.0#





#96

Benzo(g,h,i)perylene

Concen: 6.402 ng/ul

RT: 28.592 min Scan# 41

Delta R.T. 0.023 min

Lab File: BN031787.D

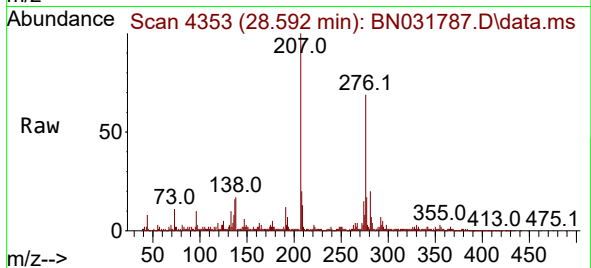
Acq: 04 Jun 2024 22:09

Instrument :

BNA_N

ClientSampleId :

BHBQ3



Tgt Ion:276 Resp: 515190

Ion Ratio Lower Upper

276 100

138 25.0 20.9 31.3

277 24.0 18.0 27.0

