

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060524\
 Data File : BN031789.D
 Acq On : 04 Jun 2024 23:28
 Operator : MA/JU
 Sample : P2591-14
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BHBQ5

Quant Time: Jun 05 00:39:20 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	502284	20.000	ng/ul	0.00
20) Naphthalene-d8	10.463	136	2153109	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.322	164	1260092	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.069	188	2233627	20.000	ng/ul	0.00
79) Chrysene-d12	21.304	240	1272379	20.000	ng/ul	0.00
88) Perylene-d12	24.245	264	1537336	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.193	96	51759	4.263	ng/uL	0.00
4) Pyridine-d5	3.599	84	492749	14.418	ng/ul	0.00
7) Phenol-d5	6.852	99	1203410	27.947	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.022	67	648855	25.762	ng/ul	0.00
11) 2-Chlorophenol-d4	7.211	132	956694	29.118	ng/ul	0.00
15) 4-Methylphenol-d8	8.387	113	939585	26.769	ng/ul	0.00
21) Nitrobenzene-d5	8.834	128	481955	29.276	ng/ul	0.00
24) 2-Nitrophenol-d4	9.552	143	518781	30.506	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.087	165	894275	28.168	ng/ul	0.00
31) 4-Chloroaniline-d4	10.605	131	1055142	22.384	ng/ul	0.00
46) Dimethylphthalate-d6	13.740	166	2550778	29.057	ng/ul	0.00
49) Acenaphthylene-d8	14.016	160	2954474	29.270	ng/ul	0.00
54) 4-Nitrophenol-d4	14.534	143	391054	22.249	ng/ul	0.00
60) Fluorene-d10	15.316	176	2117155	28.503	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.445	200	141571	12.610	ng/ul	0.00
73) Anthracene-d10	17.169	188	2893181	30.255	ng/ul	0.00
81) Pyrene-d10	19.469	212	2412776	35.436	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.045	264	1710110	23.296	ng/ul	0.00
Target Compounds						
					Qvalue	
30) Naphthalene	10.510	128	452490	4.061	ng/ul	100
36) 2-Methylnaphthalene	12.128	142	149683	1.965	ng/ul	94
37) 1-Methylnaphthalene	12.352	142	126616	1.657	ng/ul	97
50) Acenaphthylene	14.046	152	123475	1.082	ng/ul	98
52) Acenaphthene	14.387	153	397111	5.261	ng/ul	98
56) Dibenzofuran	14.722	168	612450	5.972	ng/ul	100
61) Fluorene	15.375	166	427955	5.182	ng/ul	98
72) Phenanthrene	17.116	178	8655998	76.074	ng/ul	99
74) Anthracene	17.204	178	1925039	16.697	ng/ul	99
77) Carbazole	17.475	167	1251995	12.735	ng/ul	99
80) Fluoranthene	19.139	202	10364170	127.368	ng/ul	99
82) Pyrene	19.498	202	7549335	90.425	ng/ul	99
83) Butylbenzylphthalate	20.398	149	67441	1.710	ng/ul#	52
85) Benzo(a)anthracene	21.286	228	4348516	51.059	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.216	149	77453	1.347	ng/ul#	98
87) Chrysene	21.286	228	4334348	54.485	ng/ul	97
90) Benzo(b)fluoranthene	23.327	252	5057458	55.038	ng/ul	98
91) Benzo(k)fluoranthene	23.374	252	1790850	19.861	ng/ul	99
93) Benzo(a)pyrene	24.110	252	2398321	27.867	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	27.568	276	2018886	20.357	ng/ul	95
95) Dibenzo(a,h)anthracene	27.610	278	678397	8.379	ng/ul#	93
96) Benzo(g,h,i)perylene	28.586	276	259465	3.291	ng/ul	97

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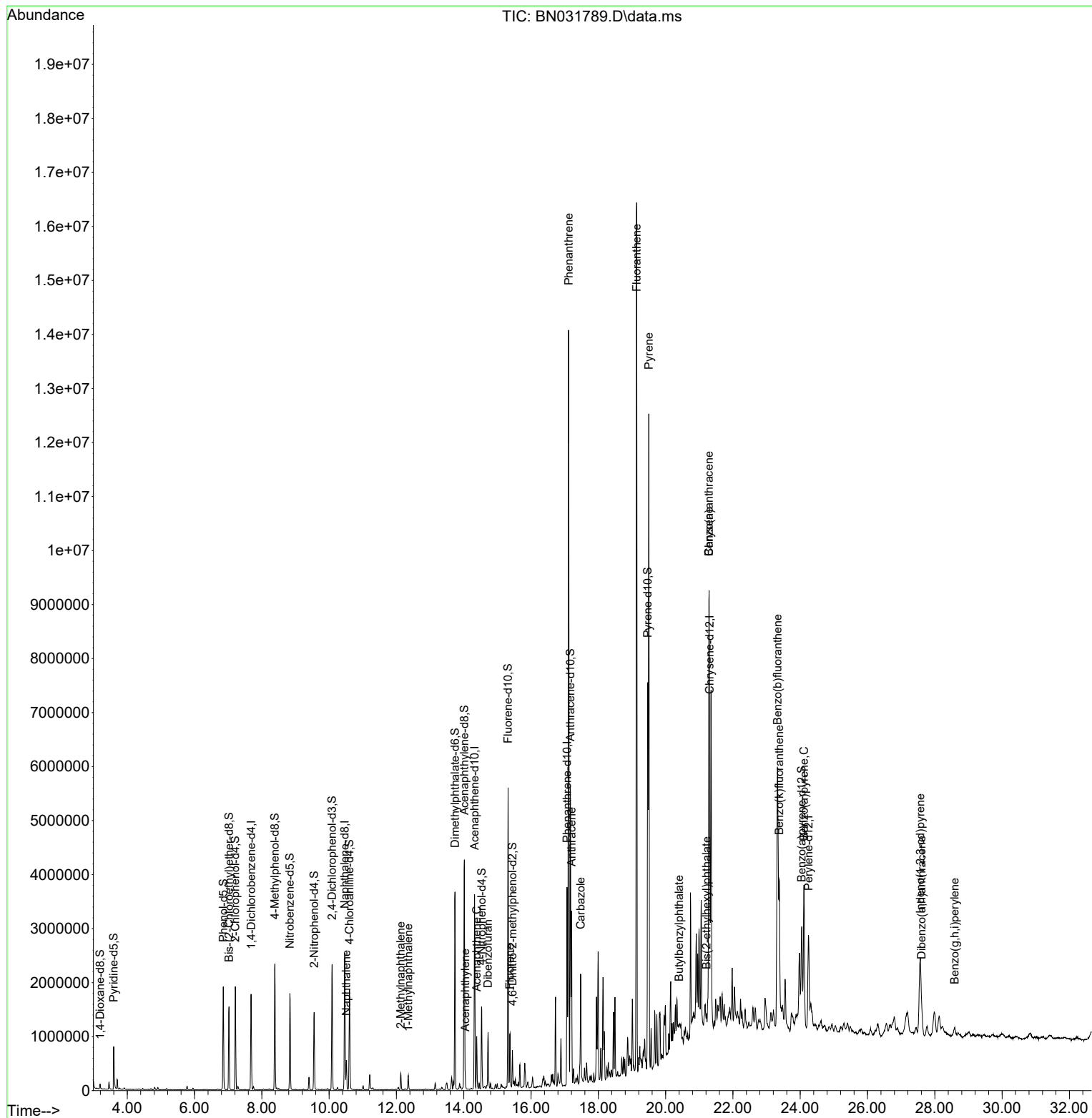
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

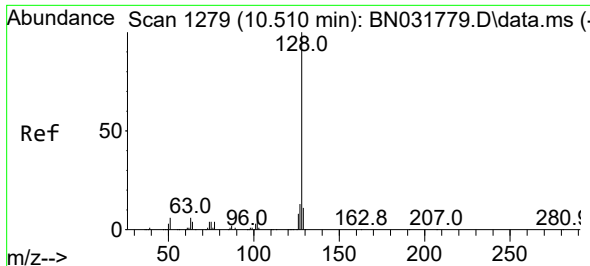
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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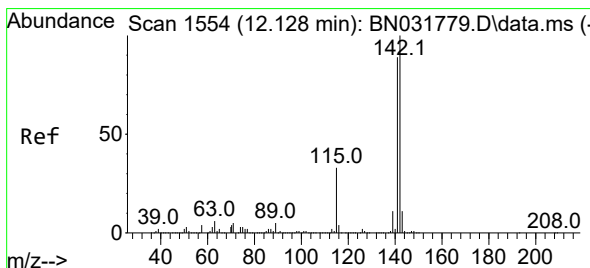
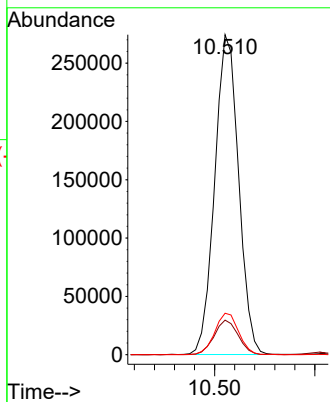
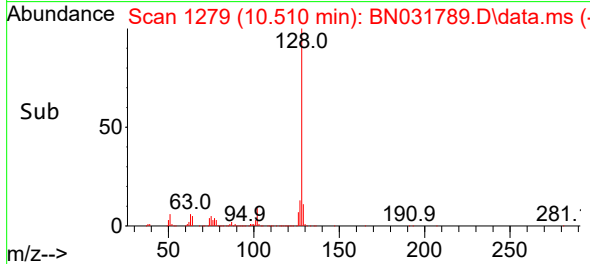
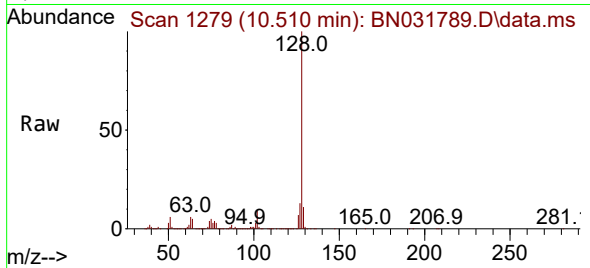




#30
Naphthalene
Concen: 4.061 ng/ul
RT: 10.510 min Scan# 1279
Delta R.T. -0.006 min
Lab File: BN031789.D
Acq: 04 Jun 2024 23:28

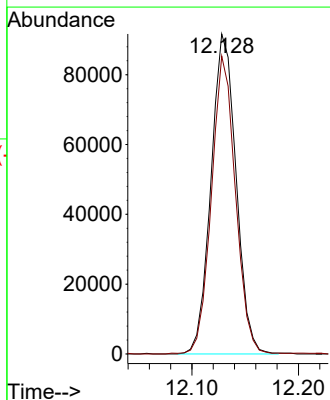
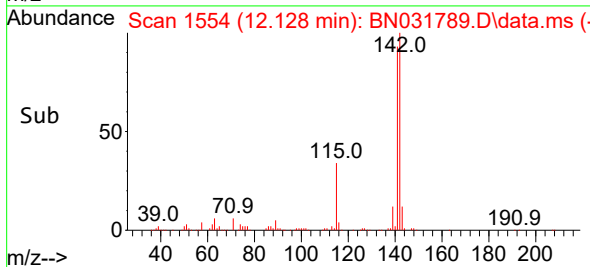
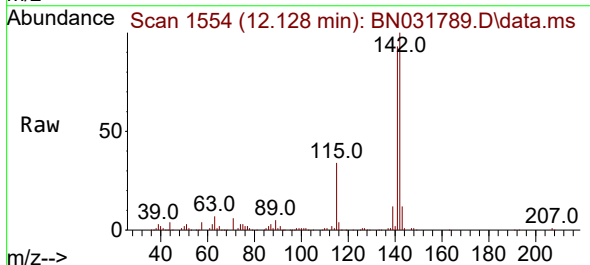
Instrument :
BNA_N
ClientSampleId :
BHBQ5

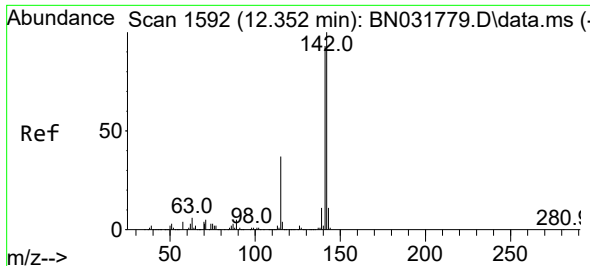
Tgt Ion:128 Resp: 452490
Ion Ratio Lower Upper
128 100
129 10.8 8.5 12.7
127 13.0 10.3 15.5



#36
2-Methylnaphthalene
Concen: 1.965 ng/ul
RT: 12.128 min Scan# 1554
Delta R.T. -0.006 min
Lab File: BN031789.D
Acq: 04 Jun 2024 23:28

Tgt Ion:142 Resp: 149683
Ion Ratio Lower Upper
142 100
141 93.1 70.1 105.1





#37

1-Methylnaphthalene

Concen: 1.657 ng/ul

RT: 12.352 min Scan# 11

Delta R.T. -0.006 min

Lab File: BN031789.D

Acq: 04 Jun 2024 23:28

Instrument :

BNA_N

ClientSampleId :

BHBQ5

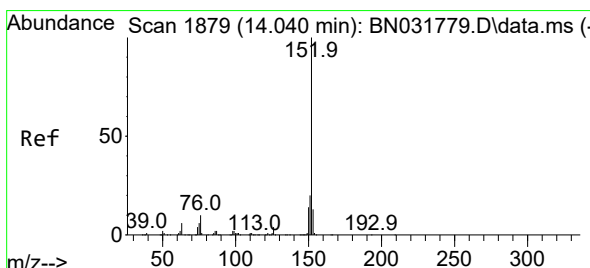
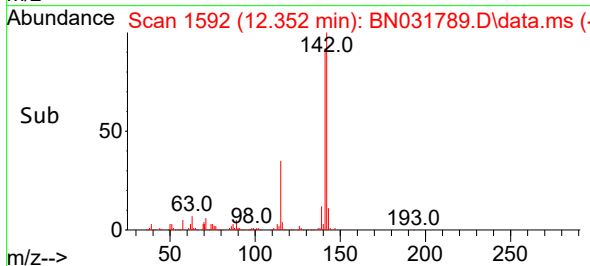
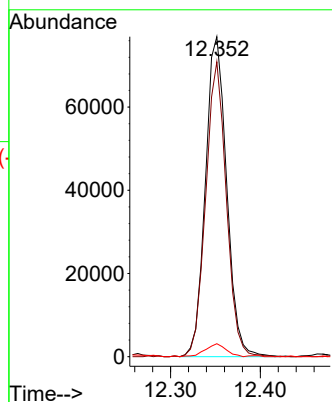
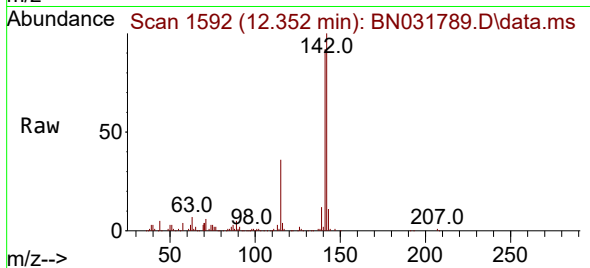
Tgt Ion:142 Resp: 126616

Ion Ratio Lower Upper

142 100

141 92.1 71.7 107.5

116 4.0 3.0 4.4



#50

Acenaphthylene

Concen: 1.082 ng/ul

RT: 14.046 min Scan# 1880

Delta R.T. 0.000 min

Lab File: BN031789.D

Acq: 04 Jun 2024 23:28

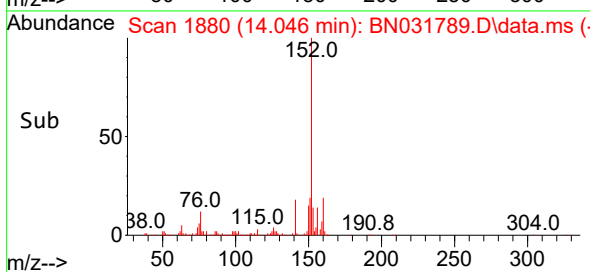
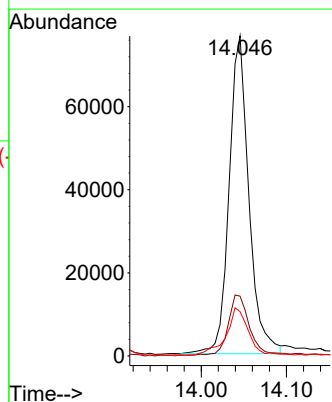
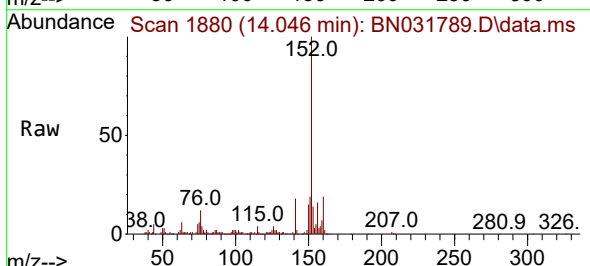
Tgt Ion:152 Resp: 123475

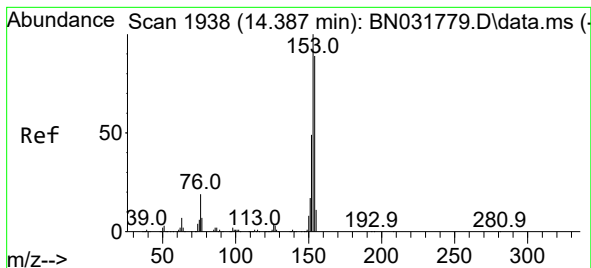
Ion Ratio Lower Upper

152 100

151 18.7 15.9 23.9

153 13.9 10.4 15.6





#52

Acenaphthene

Concen: 5.261 ng/u1

RT: 14.387 min Scan# 1938

Delta R.T. 0.000 min

Lab File: BN031789.D

Acq: 04 Jun 2024 23:28

Instrument :

BNA_N

ClientSampleId :

BHBQ5

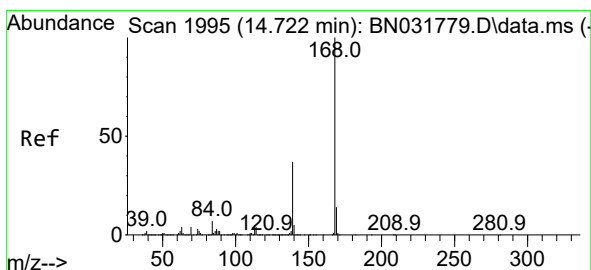
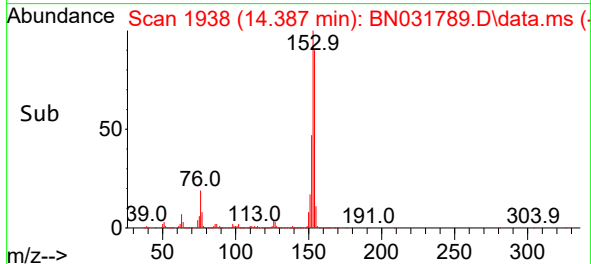
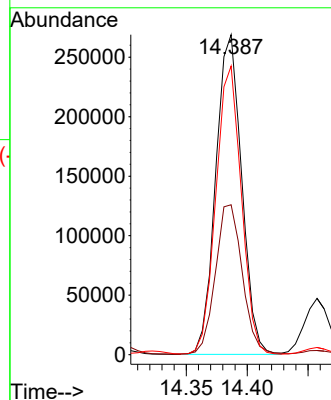
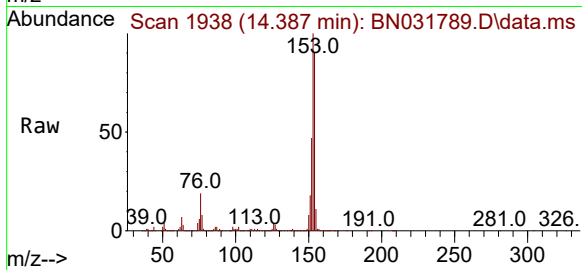
Tgt Ion:153 Resp: 397111

Ion Ratio Lower Upper

153 100

152 46.9 37.8 56.6

154 90.2 69.8 104.8



#56

Dibenzofuran

Concen: 5.972 ng/u1

RT: 14.722 min Scan# 1995

Delta R.T. -0.006 min

Lab File: BN031789.D

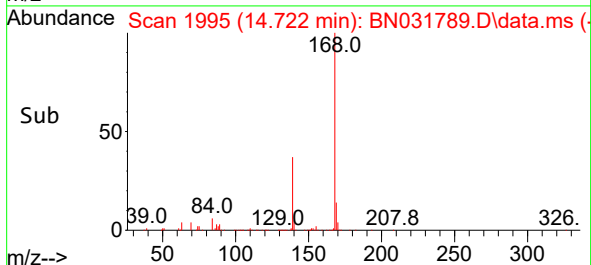
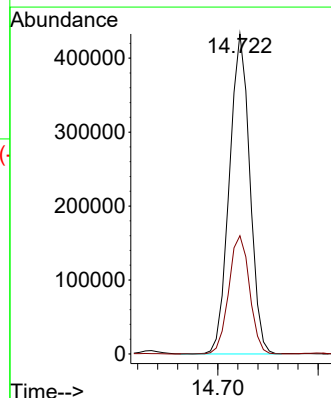
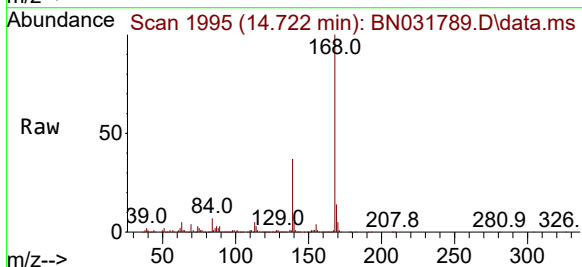
Acq: 04 Jun 2024 23:28

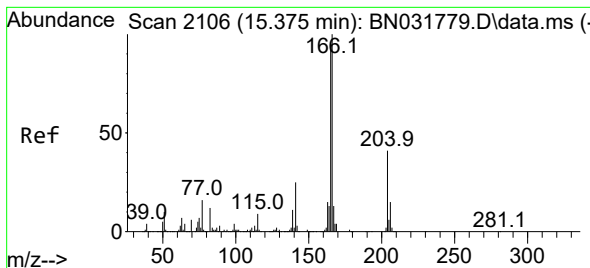
Tgt Ion:168 Resp: 612450

Ion Ratio Lower Upper

168 100

139 37.0 29.4 44.0





#61

Fluorene

Concen: 5.182 ng/ul

RT: 15.375 min Scan# 2106

Delta R.T. 0.000 min

Lab File: BN031789.D

Acq: 04 Jun 2024 23:28

Instrument :

BNA_N

ClientSampleId :

BHBQ5

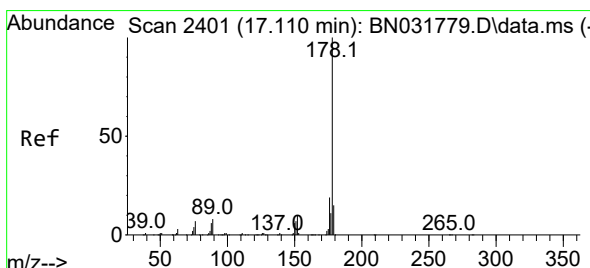
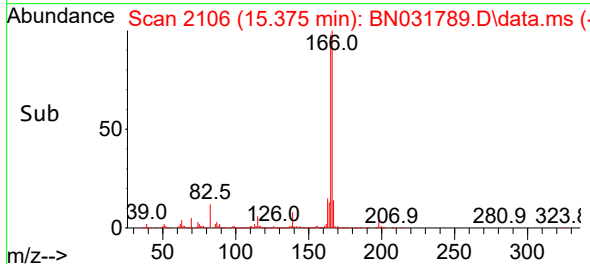
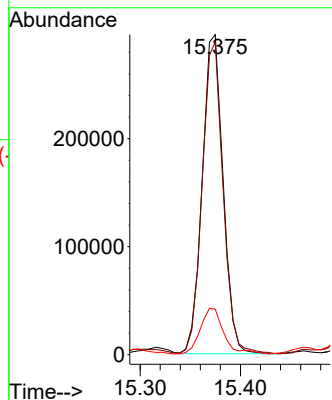
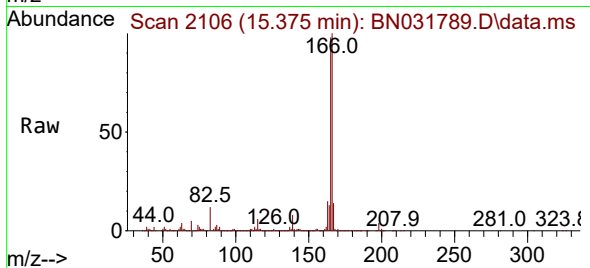
Tgt Ion:166 Resp: 427955

Ion Ratio Lower Upper

166 100

165 97.7 80.3 120.5

167 14.2 11.3 16.9



#72

Phenanthrene

Concen: 76.074 ng/ul

RT: 17.116 min Scan# 2402

Delta R.T. 0.000 min

Lab File: BN031789.D

Acq: 04 Jun 2024 23:28

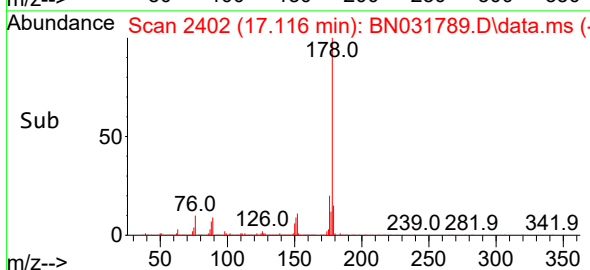
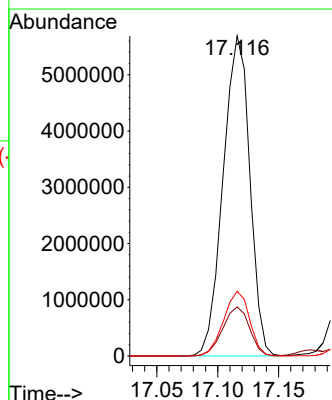
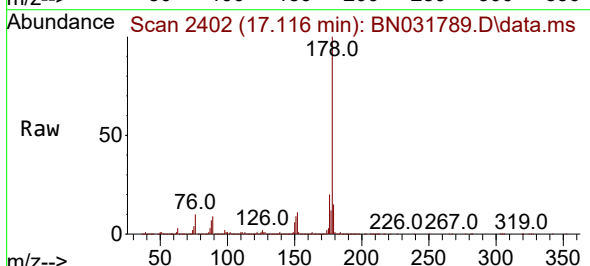
Tgt Ion:178 Resp: 8655998

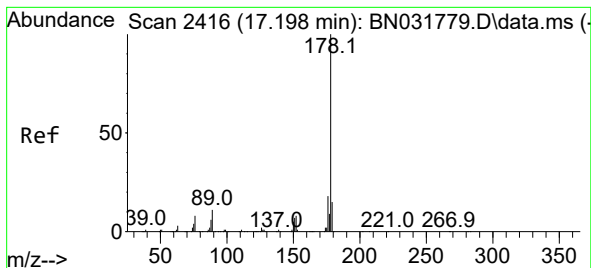
Ion Ratio Lower Upper

178 100

179 15.3 12.6 19.0

176 20.2 15.8 23.6





#74

Anthracene

Concen: 16.697 ng/ul

RT: 17.204 min Scan# 2416

Delta R.T. 0.000 min

Lab File: BN031789.D

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ClientSampleId :

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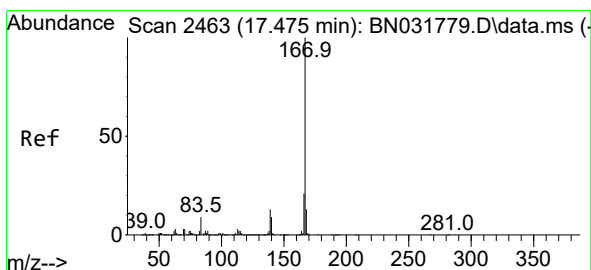
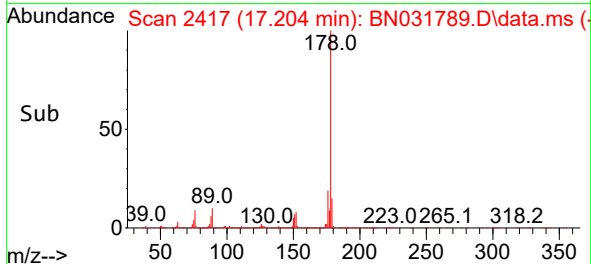
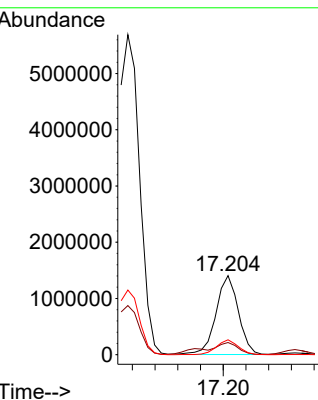
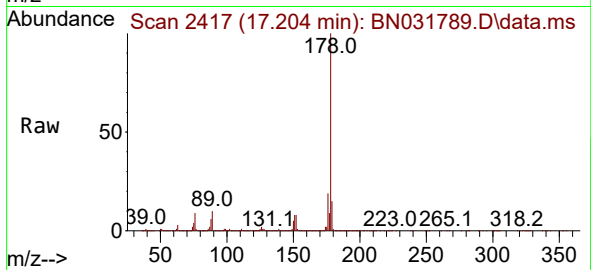
Tgt Ion:178 Resp: 1925039

Ion Ratio Lower Upper

178 100

179 15.4 11.8 17.6

176 18.9 14.8 22.2



#77

Carbazole

Concen: 12.735 ng/ul

RT: 17.475 min Scan# 2463

Delta R.T. 0.000 min

Lab File: BN031789.D

Acq: 04 Jun 2024 23:28

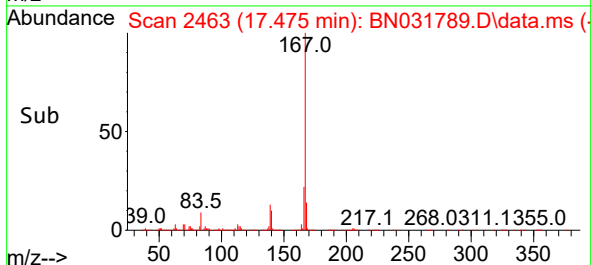
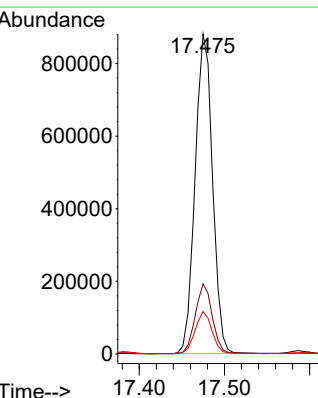
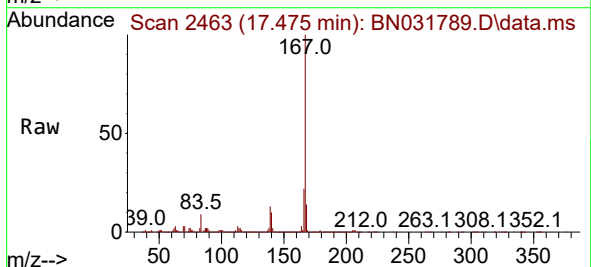
Tgt Ion:167 Resp: 1251995

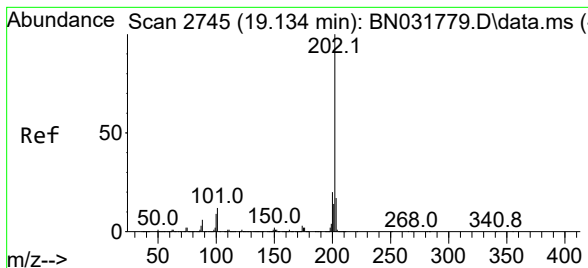
Ion Ratio Lower Upper

167 100

166 21.9 17.9 26.9

139 13.2 10.5 15.7





#80

Fluoranthene

Concen: 127.368 ng/u1

RT: 19.139 min Scan# 21

Delta R.T. 0.006 min

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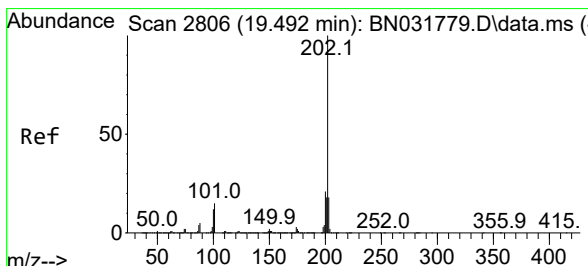
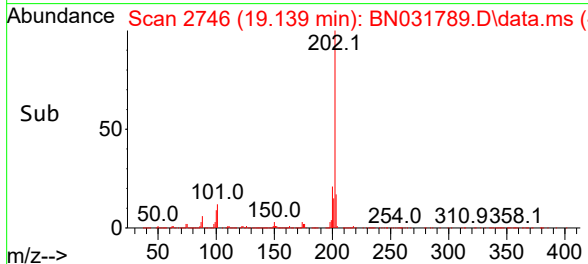
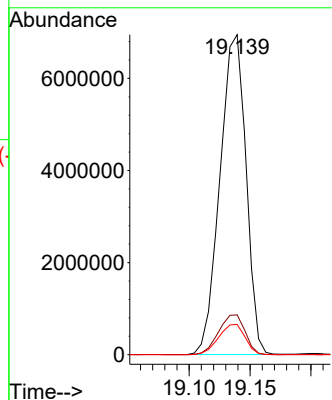
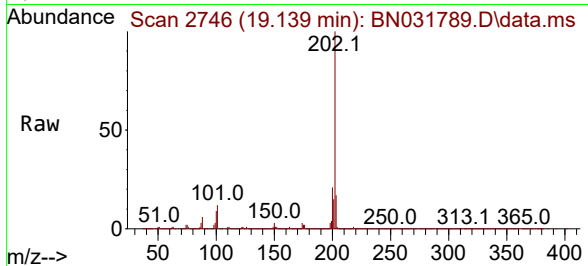
Tgt Ion:202 Resp:10364170

Ion Ratio Lower Upper

202 100

101 12.4 10.3 15.5

100 9.5 8.0 12.0



#82

Pyrene

Concen: 90.425 ng/u1

RT: 19.498 min Scan# 2807

Delta R.T. 0.006 min

Lab File: BN031789.D

Acq: 04 Jun 2024 23:28

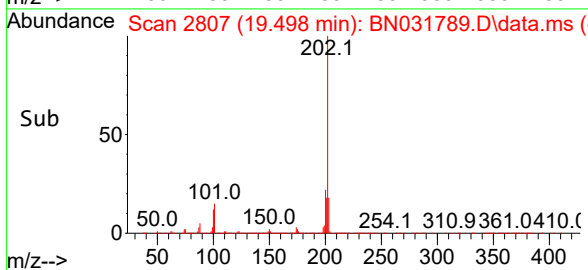
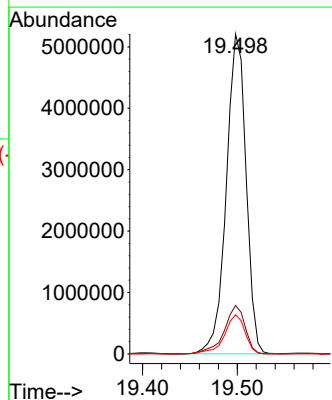
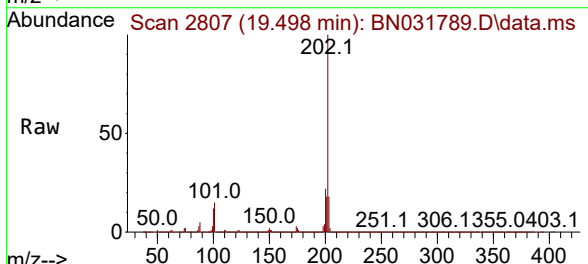
Tgt Ion:202 Resp: 7549335

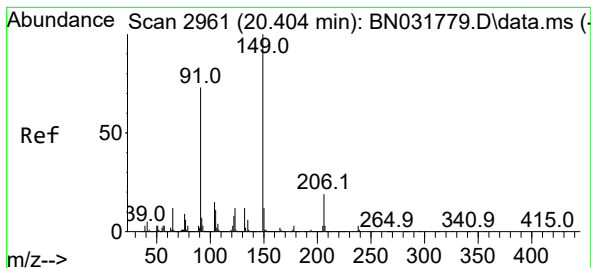
Ion Ratio Lower Upper

202 100

101 15.1 12.6 18.8

100 12.2 10.2 15.2





#83

Butylbenzylphthalate

Concen: 1.710 ng/ul

RT: 20.398 min Scan# 2961

Delta R.T. -0.006 min

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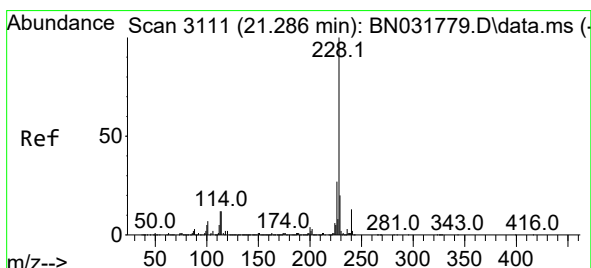
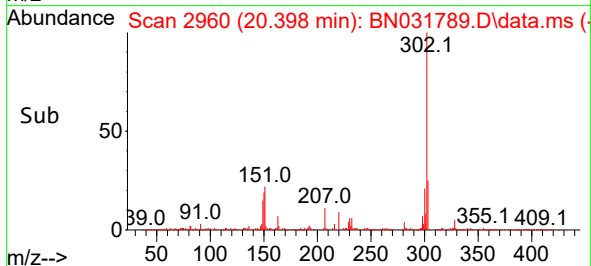
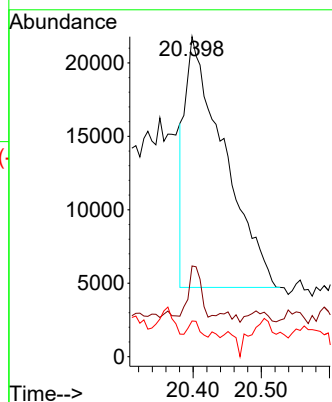
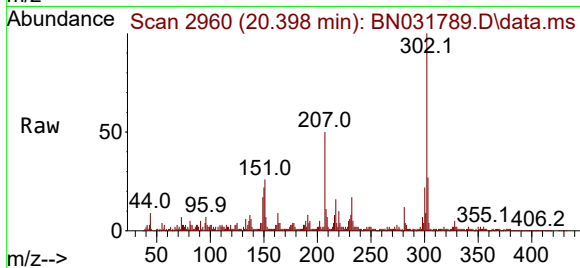
Tgt Ion:149 Resp: 67441

Ion Ratio Lower Upper

149 100

91 28.4 61.0 91.4#

206 11.2 16.5 24.7#



#85

Benzo(a)anthracene

Concen: 51.059 ng/ul

RT: 21.286 min Scan# 3111

Delta R.T. 0.000 min

Lab File: BN031789.D

Acq: 04 Jun 2024 23:28

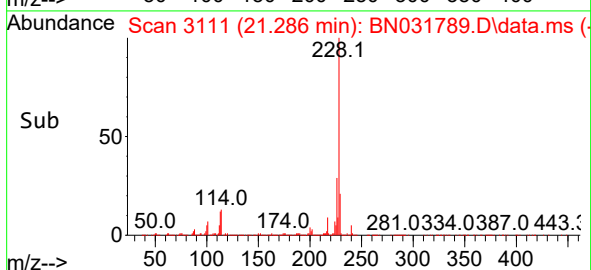
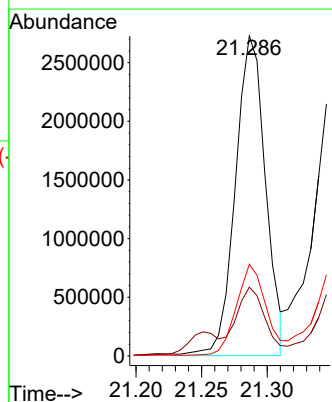
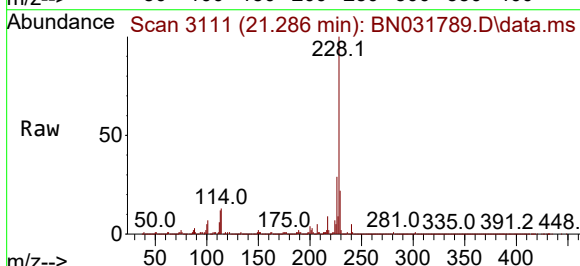
Tgt Ion:228 Resp: 4348516

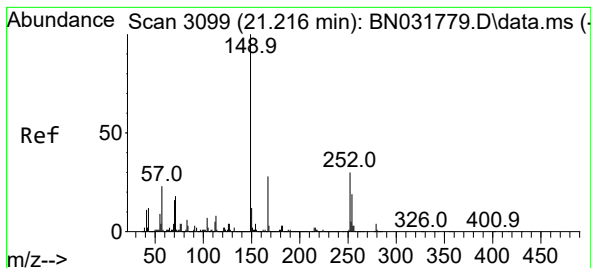
Ion Ratio Lower Upper

228 100

229 21.5 16.7 25.1

226 28.7 22.8 34.2





#86

Bis(2-ethylhexyl)phthalate

Concen: 1.347 ng/ul

RT: 21.216 min Scan# 3099

Delta R.T. -0.006 min

Lab File: BN031789.D

Acq: 04 Jun 2024 23:28

Instrument :

BNA_N

ClientSampleId :

BHBQ5

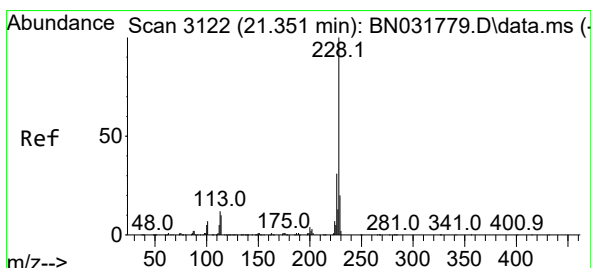
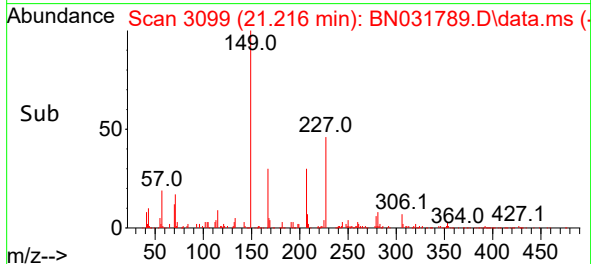
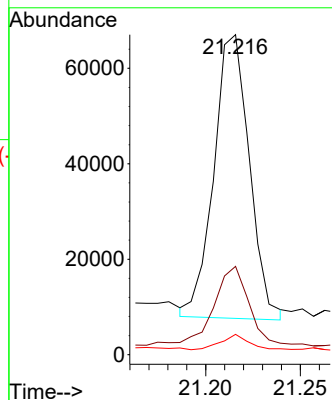
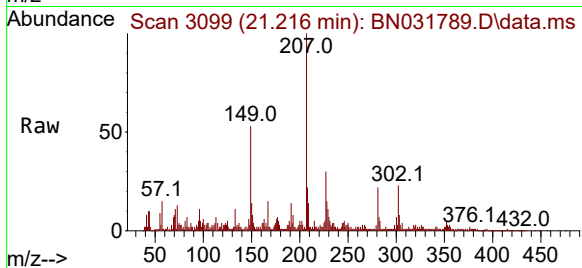
Tgt Ion:149 Resp: 77453

Ion Ratio Lower Upper

149 100

167 27.6 21.4 32.0

279 6.3 3.3 4.9#



#87

Chrysene

Concen: 54.485 ng/ul

RT: 21.286 min Scan# 3111

Delta R.T. -0.065 min

Lab File: BN031789.D

Acq: 04 Jun 2024 23:28

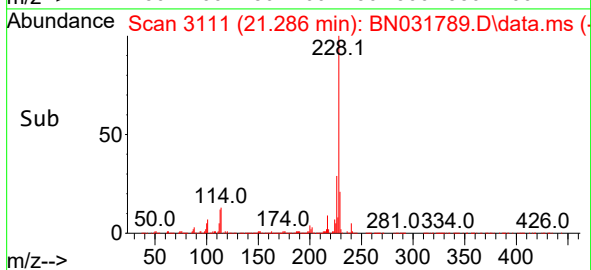
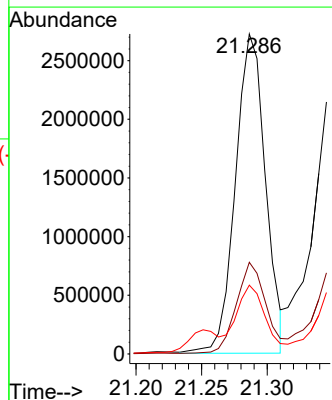
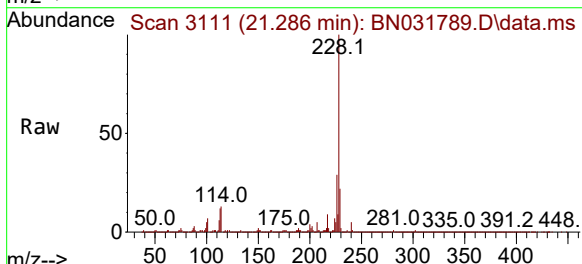
Tgt Ion:228 Resp: 4334348

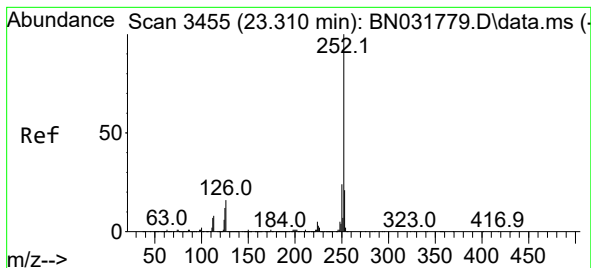
Ion Ratio Lower Upper

228 100

226 28.7 23.7 35.5

229 21.5 15.1 22.7





#90

Benzo(b)fluoranthene

Concen: 55.038 ng/ul

RT: 23.327 min Scan# 3455

Delta R.T. 0.018 min

Lab File: BN031789.D

Acq: 04 Jun 2024 23:28

Instrument :

BNA_N

ClientSampleId :

BHBQ5

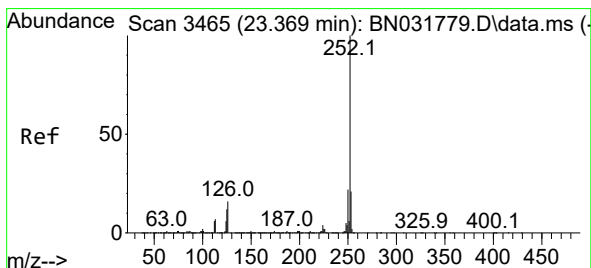
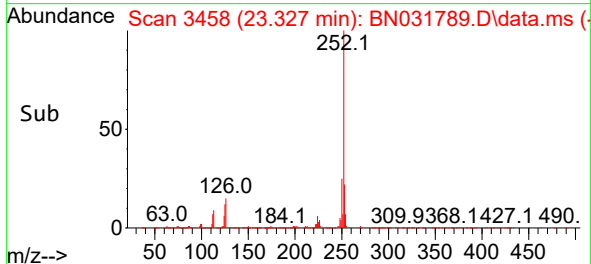
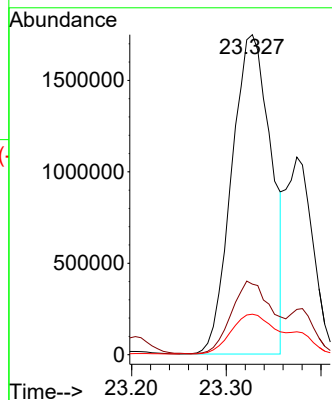
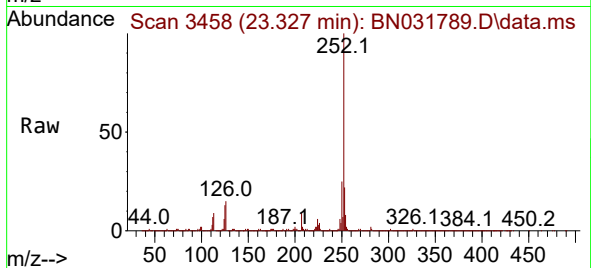
Tgt Ion:252 Resp: 5057458

Ion Ratio Lower Upper

252 100

253 22.1 17.0 25.6

125 12.6 9.2 13.8



#91

Benzo(k)fluoranthene

Concen: 19.861 ng/ul

RT: 23.374 min Scan# 3466

Delta R.T. 0.000 min

Lab File: BN031789.D

Acq: 04 Jun 2024 23:28

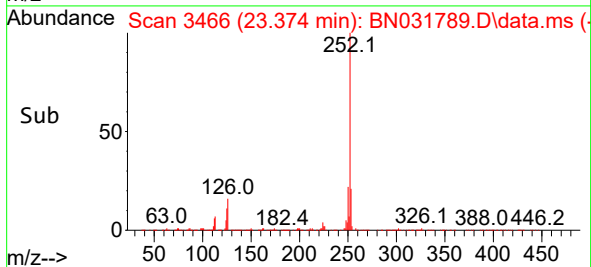
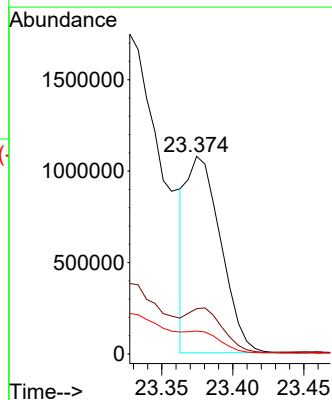
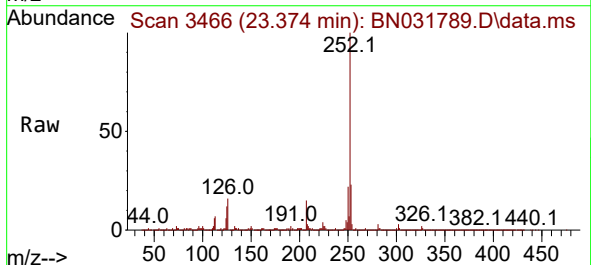
Tgt Ion:252 Resp: 1790850

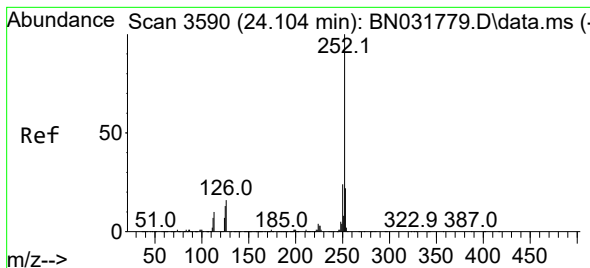
Ion Ratio Lower Upper

252 100

253 22.9 17.6 26.4

125 11.6 9.4 14.2





#93

Benzo(a)pyrene

Concen: 27.867 ng/ul

RT: 24.110 min Scan# 3

Delta R.T. 0.006 min

Lab File: BN031789.D

Acq: 04 Jun 2024 23:28

Instrument :

BNA_N

ClientSampleId :

BHBQ5

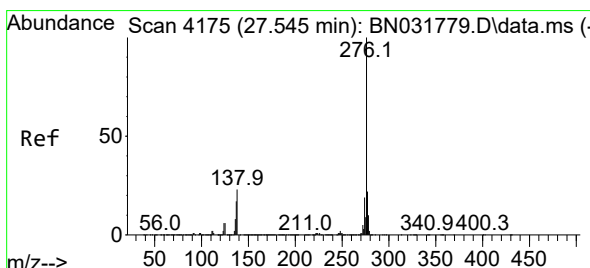
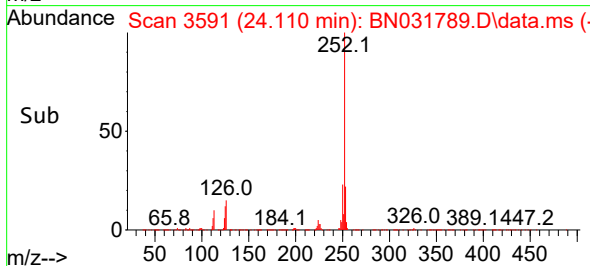
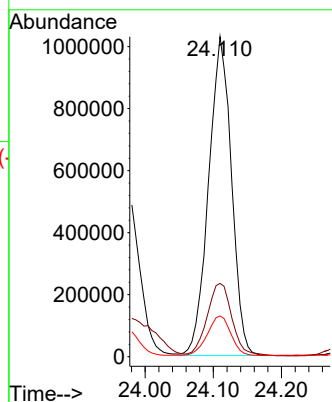
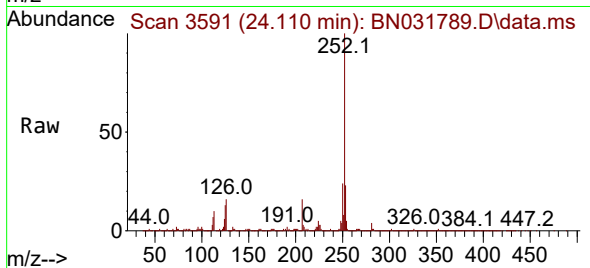
Tgt Ion:252 Resp: 2398321

Ion Ratio Lower Upper

252 100

253 22.9 16.6 24.8

125 12.8 9.8 14.8



#94

Indeno(1,2,3-cd)pyrene

Concen: 20.357 ng/ul

RT: 27.568 min Scan# 4179

Delta R.T. 0.035 min

Lab File: BN031789.D

Acq: 04 Jun 2024 23:28

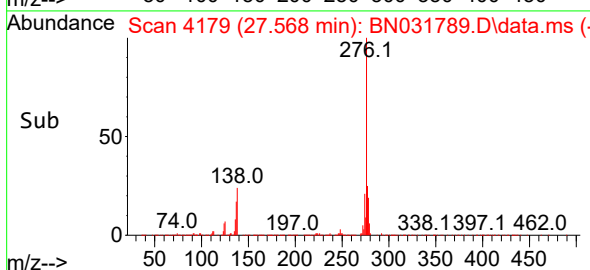
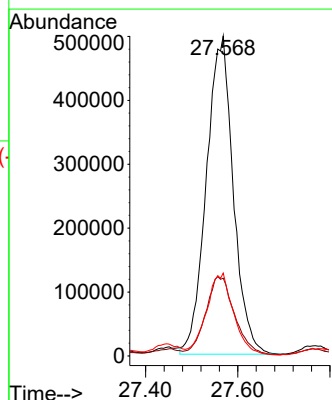
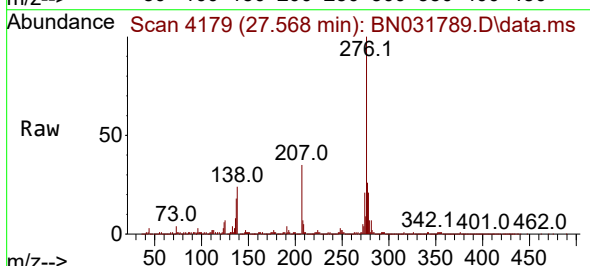
Tgt Ion:276 Resp: 2018886

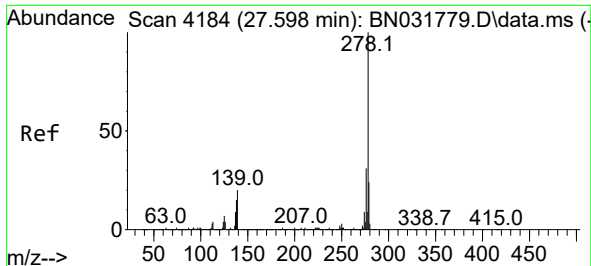
Ion Ratio Lower Upper

276 100

138 24.3 18.1 27.1

277 25.9 18.2 27.2

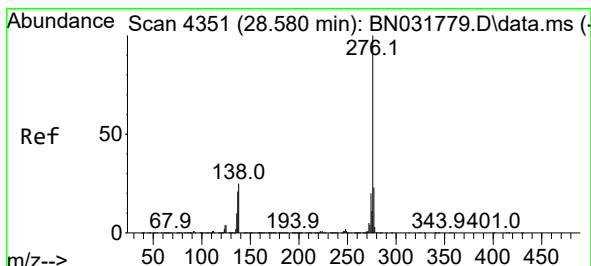
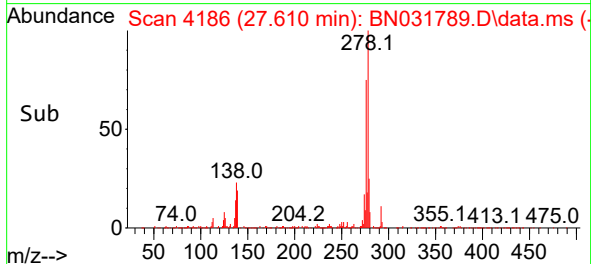
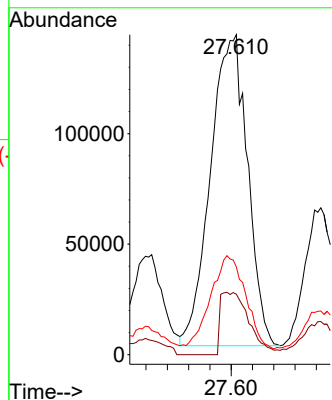
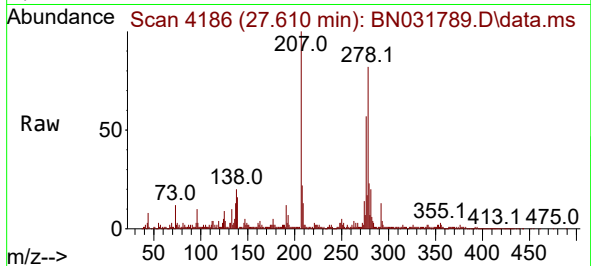




#95
Dibenzo(a,h)anthracene
Concen: 8.379 ng/ul
RT: 27.610 min Scan# 4186
Delta R.T. 0.006 min
Lab File: BN031789.D
Acq: 04 Jun 2024 23:28

Instrument :
BNA_N
ClientSampleId :
BHBQ5

Tgt Ion:278 Resp: 678397
Ion Ratio Lower Upper
278 100
139 18.9 15.0 22.6
279 27.4 17.4 26.0#



#96
Benzo(g,h,i)perylene
Concen: 3.291 ng/ul
RT: 28.586 min Scan# 4352
Delta R.T. 0.018 min
Lab File: BN031789.D
Acq: 04 Jun 2024 23:28

Tgt Ion:276 Resp: 259465
Ion Ratio Lower Upper
276 100
138 26.1 20.9 31.3
277 25.5 18.0 27.0

