

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN052324\
 Data File : BN031642.D
 Acq On : 23 May 2024 21:32
 Operator : MA/JU
 Sample : P2547-18
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BH5X5

Quant Time: May 23 22:53:58 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN052124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue May 21 23:42:49 2024
 Response via : Initial Calibration

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

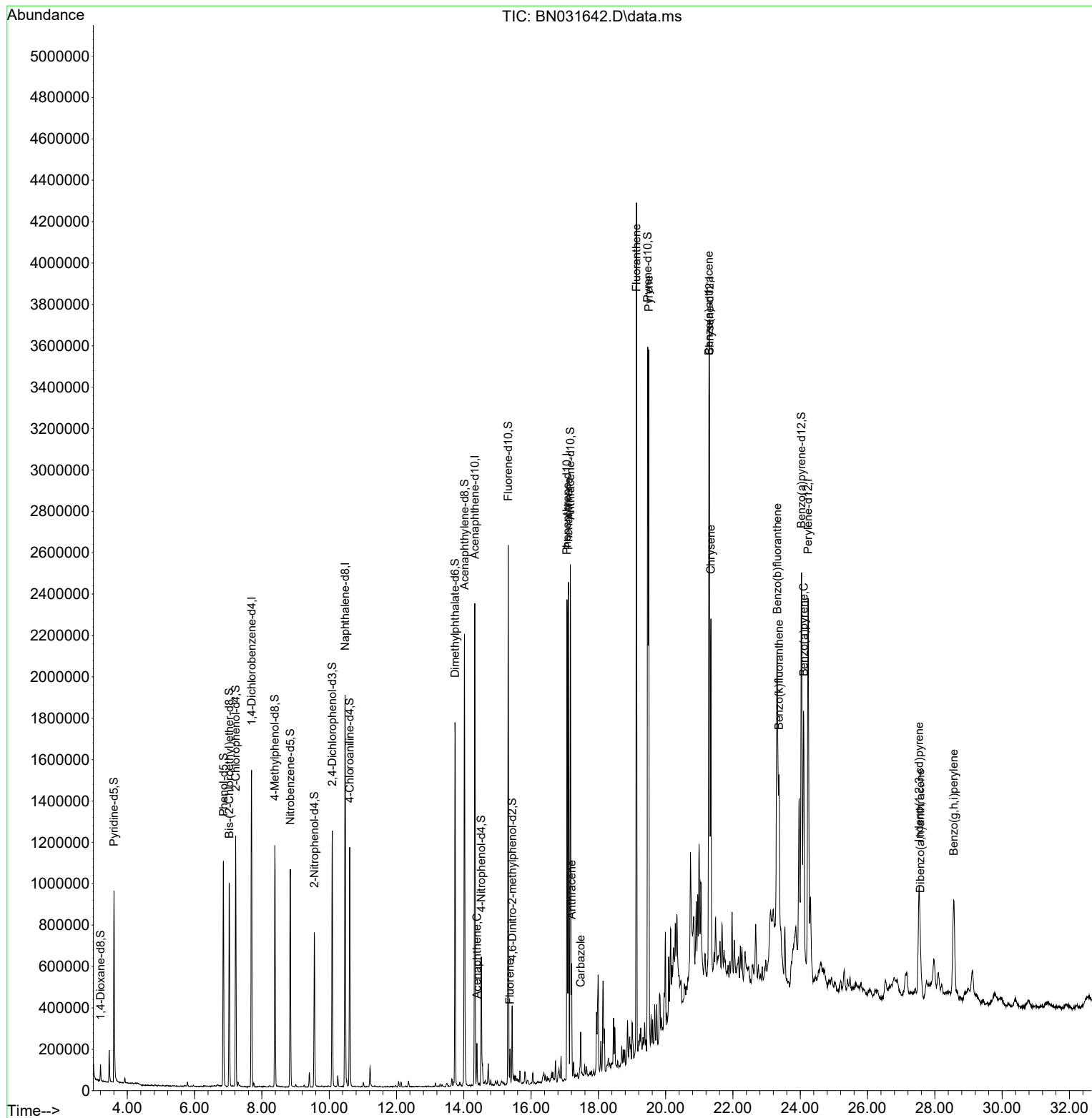
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.693	152	424844	20.000	ng/ul	0.00
20) Naphthalene-d8	10.475	136	1613778	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.328	164	813325	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.069	188	1395793	20.000	ng/ul	0.00
79) Chrysene-d12	21.304	240	1253510	20.000	ng/ul	0.00
88) Perylene-d12	24.233	264	1561052	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.205	96	39651	3.699	ng/uL	0.00
4) Pyridine-d5	3.605	84	514417	17.198	ng/ul	0.00
7) Phenol-d5	6.857	99	679155	19.420	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.028	67	428238	20.416	ng/ul	0.00
11) 2-Chlorophenol-d4	7.222	132	562349	20.868	ng/ul	0.00
15) 4-Methylphenol-d8	8.387	113	446759	16.501	ng/ul	0.00
21) Nitrobenzene-d5	8.845	128	260685	21.344	ng/ul	0.00
24) 2-Nitrophenol-d4	9.557	143	249332	21.378	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.092	165	464654	20.376	ng/ul	0.00
31) 4-Chloroaniline-d4	10.610	131	636613	19.367	ng/ul	0.00
46) Dimethylphthalate-d6	13.739	166	1174965	22.923	ng/ul	0.00
49) Acenaphthylene-d8	14.022	160	1486637	23.141	ng/ul	0.00
54) 4-Nitrophenol-d4	14.522	143	140359	14.473	ng/ul	0.00
60) Fluorene-d10	15.322	176	985463	22.185	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.439	200	69765	11.561	ng/ul	0.00
73) Anthracene-d10	17.169	188	1346658	22.791	ng/ul	0.00
81) Pyrene-d10	19.468	212	1514195	19.258	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.039	264	1733370	23.590	ng/ul	0.00
Target Compounds						
					Qvalue	
52) Acenaphthene	14.392	153	80465	1.675	ng/ul	91
61) Fluorene	15.375	166	73172	1.456	ng/ul	99
72) Phenanthrene	17.110	178	1480772	20.904	ng/ul	98
74) Anthracene	17.204	178	329486	4.636	ng/ul	97
77) Carbazole	17.474	167	127795	2.107	ng/ul	99
80) Fluoranthene	19.133	202	2364817	24.333	ng/ul	99
82) Pyrene	19.498	202	2111963	21.190	ng/ul	99
85) Benzo(a)anthracene	21.286	228	1206404	14.312	ng/ul	98
87) Chrysene	21.345	228	1094352	14.055	ng/ul	98
90) Benzo(b)fluoranthene	23.315	252	1538332	16.887	ng/ul	97
91) Benzo(k)fluoranthene	23.368	252	446593	4.809	ng/ul	97
93) Benzo(a)pyrene	24.103	252	1157470	13.227	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	27.533	276	812375	7.735	ng/ul	99
95) Dibenzo(a,h)anthracene	27.568	278	96168	1.112	ng/ul#	91
96) Benzo(g,h,i)perylene	28.562	276	787610	9.077	ng/ul	100

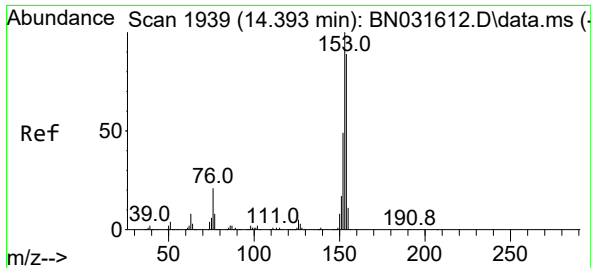
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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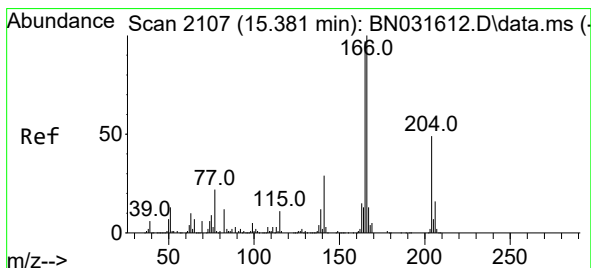
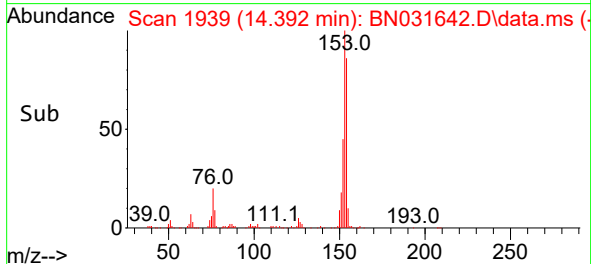
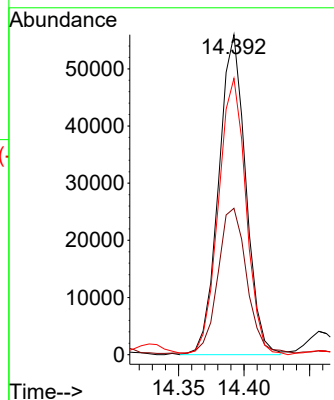
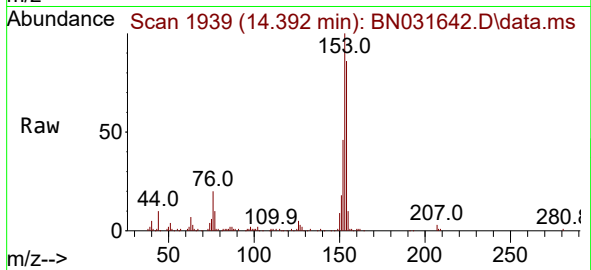




#52
Acenaphthene
Concen: 1.675 ng/ul
RT: 14.392 min Scan# 1939
Delta R.T. -0.000 min
Lab File: BN031642.D
Acq: 23 May 2024 21:32

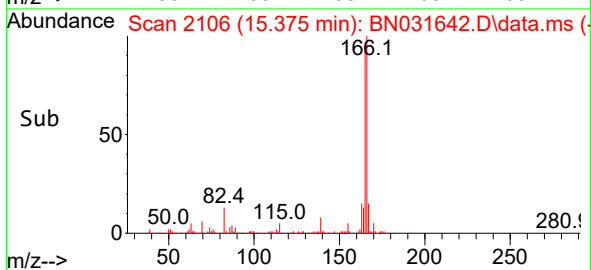
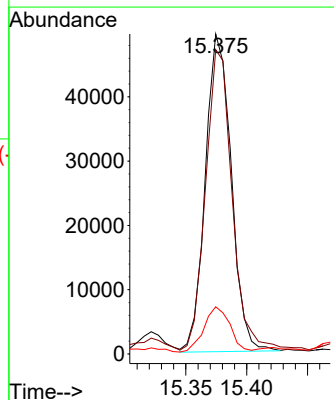
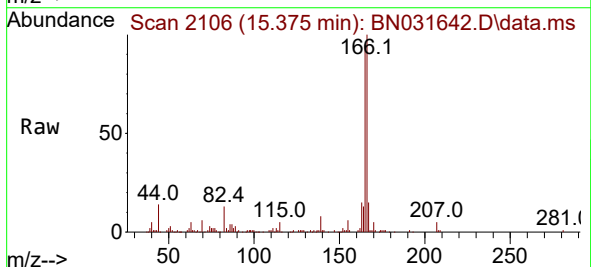
Instrument :
BNA_N
ClientSampleId :
BH5X5

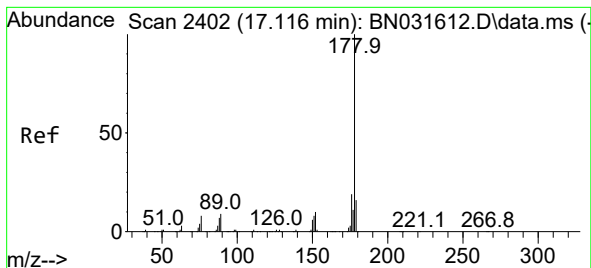
Tgt Ion:153 Resp: 80465
Ion Ratio Lower Upper
153 100
152 45.7 40.5 60.7
154 86.4 76.6 114.8



#61
Fluorene
Concen: 1.456 ng/ul
RT: 15.375 min Scan# 2106
Delta R.T. -0.006 min
Lab File: BN031642.D
Acq: 23 May 2024 21:32

Tgt Ion:166 Resp: 73172
Ion Ratio Lower Upper
166 100
165 95.1 77.0 115.6
167 14.8 10.9 16.3





#72

Phenanthrene

Concen: 20.904 ng/ul

RT: 17.110 min Scan# 2402

Delta R.T. -0.006 min

Lab File: BN031642.D

Acq: 23 May 2024 21:32

Instrument :

BNA_N

ClientSampleId :

BH5X5

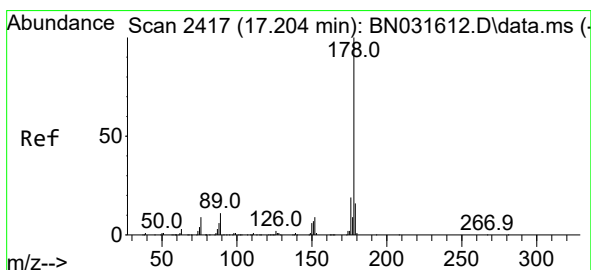
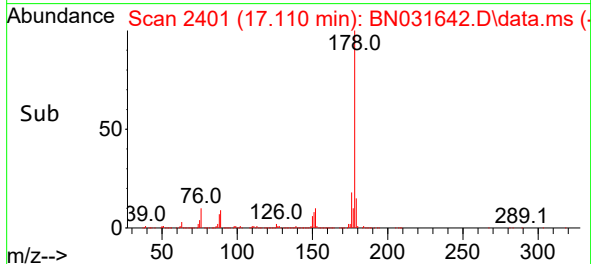
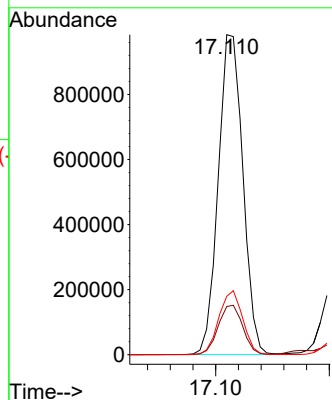
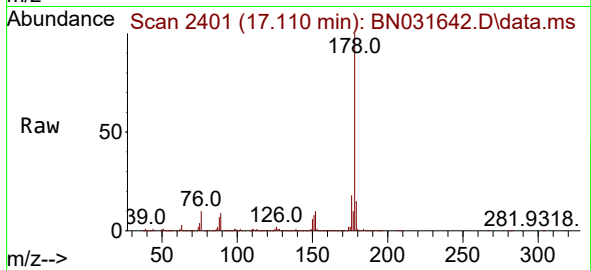
Tgt Ion:178 Resp: 1480772

Ion Ratio Lower Upper

178 100

179 15.0 12.6 18.8

176 18.2 15.2 22.8



#74

Anthracene

Concen: 4.636 ng/ul

RT: 17.204 min Scan# 2417

Delta R.T. -0.000 min

Lab File: BN031642.D

Acq: 23 May 2024 21:32

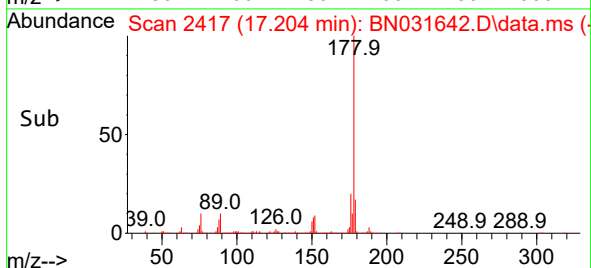
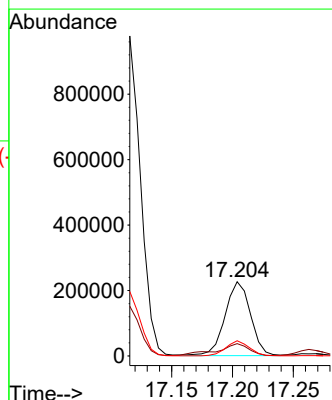
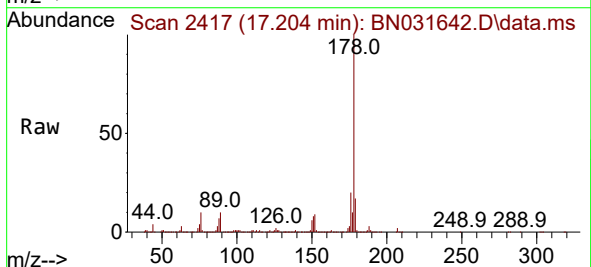
Tgt Ion:178 Resp: 329486

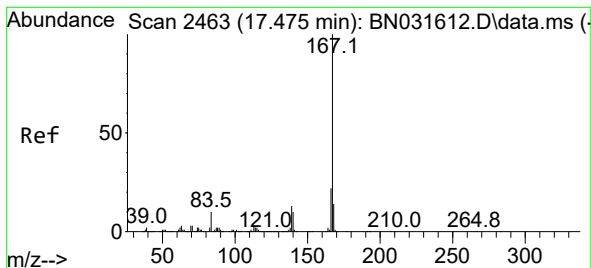
Ion Ratio Lower Upper

178 100

179 16.6 11.9 17.9

176 20.4 15.4 23.2





#77

Carbazole

Concen: 2.107 ng/ul

RT: 17.474 min Scan# 2463

Delta R.T. -0.000 min

Lab File: BN031642.D

Acq: 23 May 2024 21:32

Instrument :

BNA_N

ClientSampleId :

BH5X5

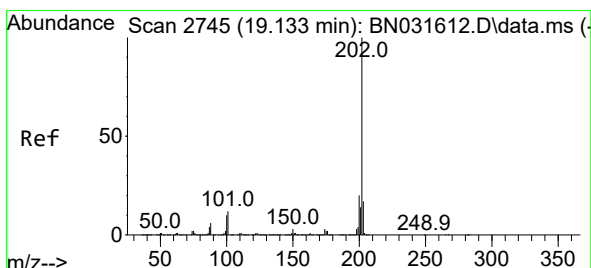
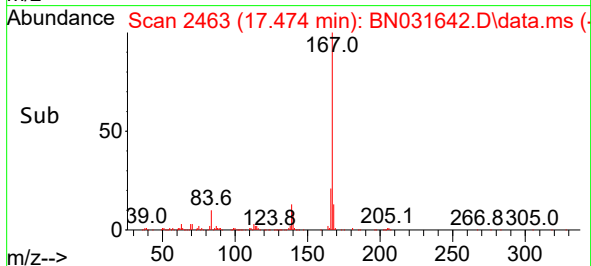
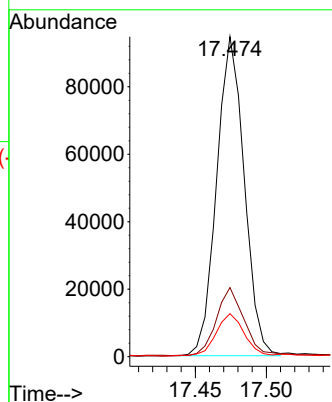
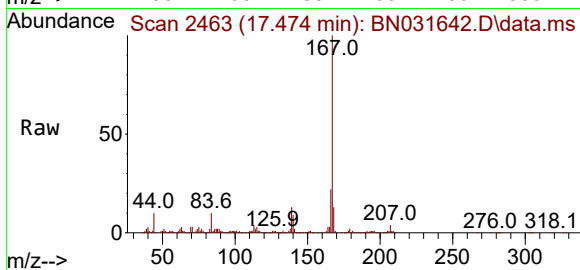
Tgt Ion:167 Resp: 127795

Ion Ratio Lower Upper

167 100

166 21.6 16.7 25.1

139 13.5 10.5 15.7



#80

Fluoranthene

Concen: 24.333 ng/ul

RT: 19.133 min Scan# 2745

Delta R.T. -0.000 min

Lab File: BN031642.D

Acq: 23 May 2024 21:32

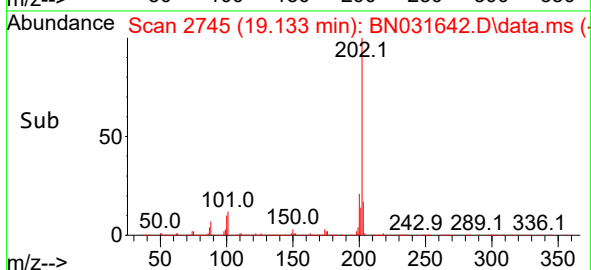
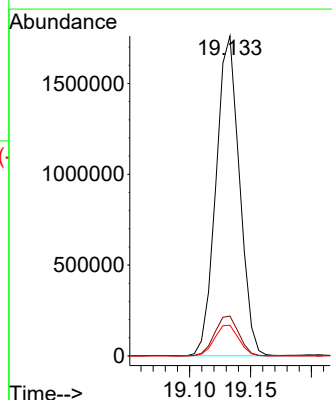
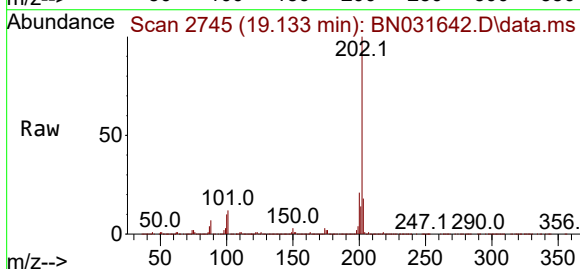
Tgt Ion:202 Resp: 2364817

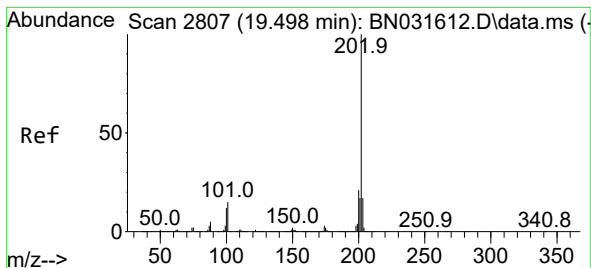
Ion Ratio Lower Upper

202 100

101 12.5 10.1 15.1

100 9.6 8.0 12.0





#82

Pyrene

Concen: 21.190 ng/ul

RT: 19.498 min Scan# 2807

Delta R.T. -0.000 min

Lab File: BN031642.D

Acq: 23 May 2024 21:32

Instrument :

BNA_N

ClientSampleId :

BH5X5

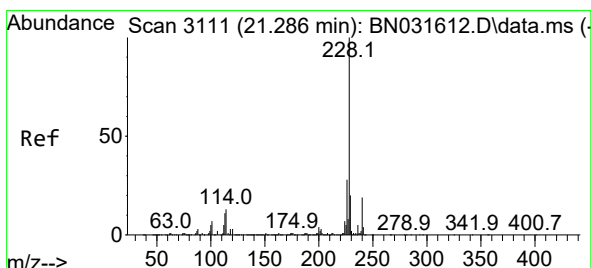
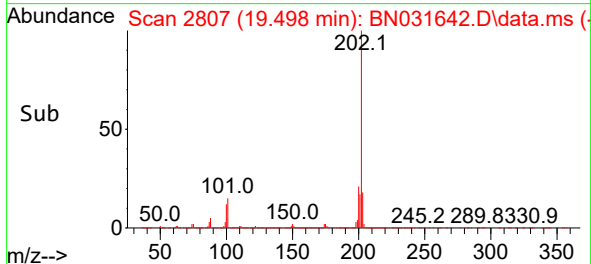
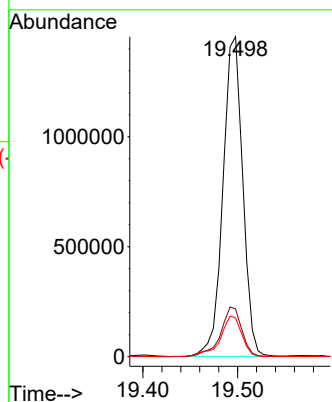
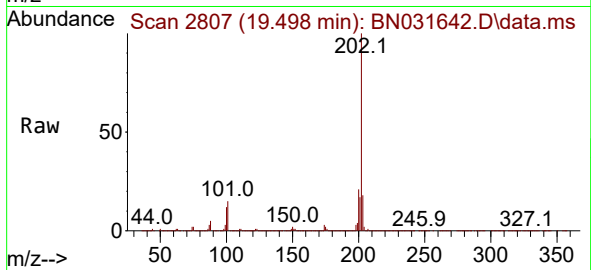
Tgt Ion:202 Resp: 2111963

Ion Ratio Lower Upper

202 100

101 14.9 11.4 17.2

100 12.1 9.3 13.9



#85

Benzo(a)anthracene

Concen: 14.312 ng/ul

RT: 21.286 min Scan# 3111

Delta R.T. -0.000 min

Lab File: BN031642.D

Acq: 23 May 2024 21:32

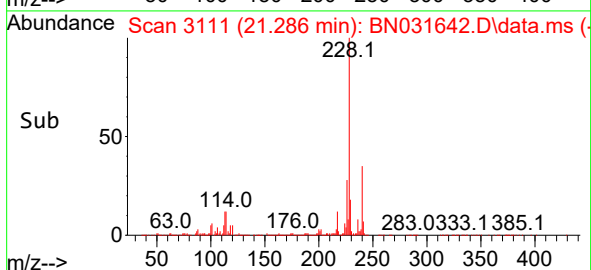
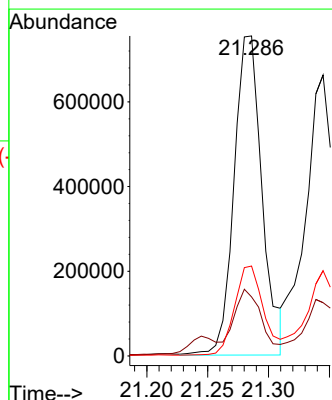
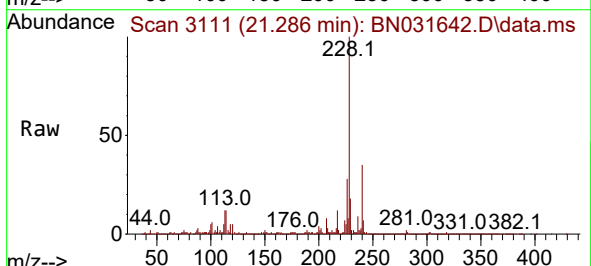
Tgt Ion:228 Resp: 1206404

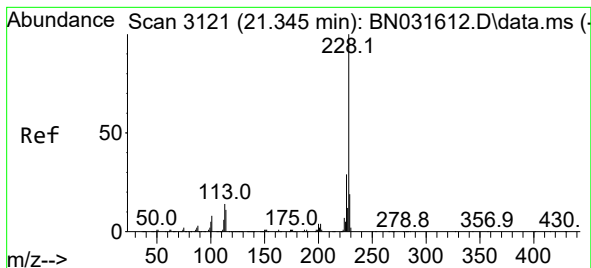
Ion Ratio Lower Upper

228 100

229 18.5 15.7 23.5

226 28.1 21.9 32.9





#87

Chrysene

Concen: 14.055 ng/ul

RT: 21.345 min Scan# 3121

Delta R.T. -0.000 min

Lab File: BN031642.D

Acq: 23 May 2024 21:32

Instrument :

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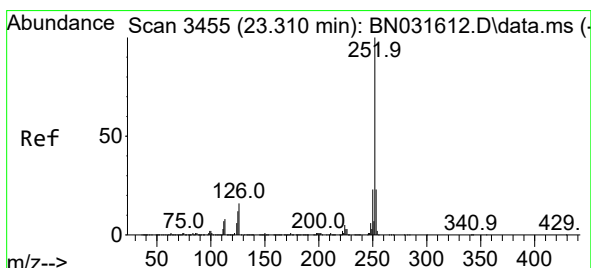
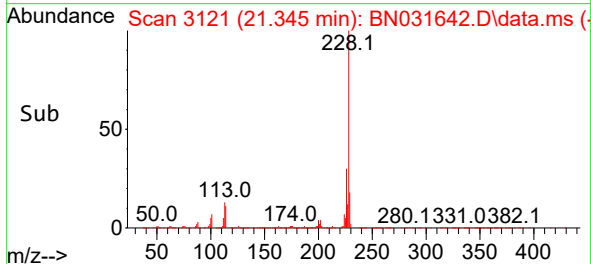
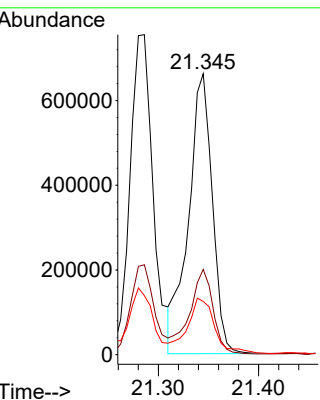
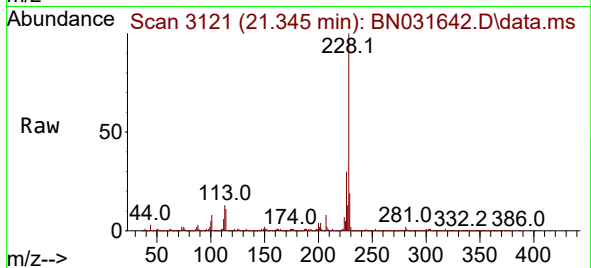
Tgt Ion:228 Resp: 1094352

Ion Ratio Lower Upper

228 100

226 30.4 22.9 34.3

229 19.0 15.2 22.8



#90

Benzo(b)fluoranthene

Concen: 16.887 ng/ul

RT: 23.315 min Scan# 3456

Delta R.T. 0.006 min

Lab File: BN031642.D

Acq: 23 May 2024 21:32

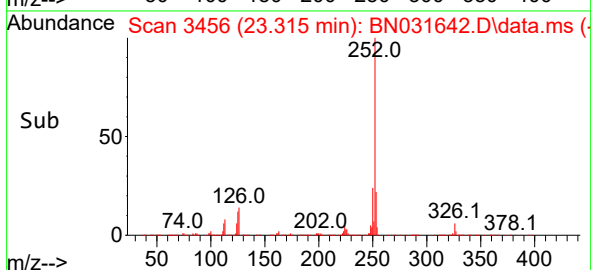
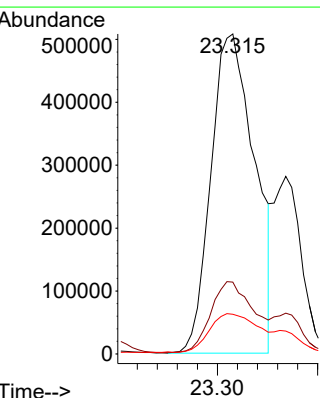
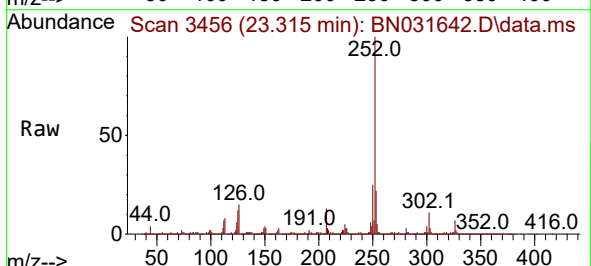
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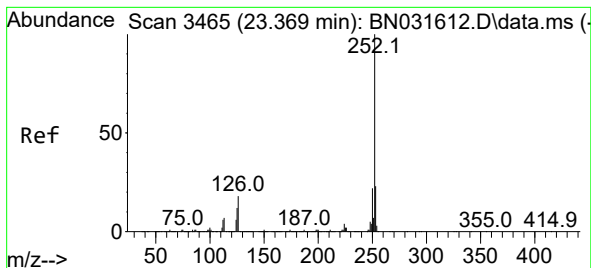
Ion Ratio Lower Upper

252 100

253 22.5 16.8 25.2

125 12.4 9.3 13.9





#91

Benzo(k)fluoranthene

Concen: 4.809 ng/ul

RT: 23.368 min Scan# 3465

Delta R.T. -0.000 min

Lab File: BN031642.D

Acq: 23 May 2024 21:32

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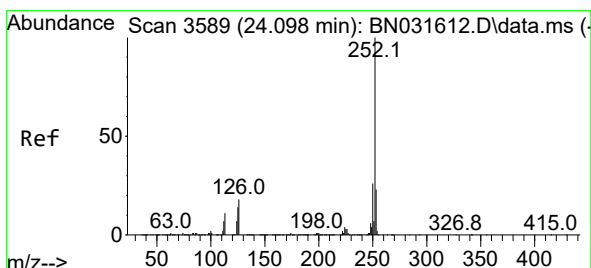
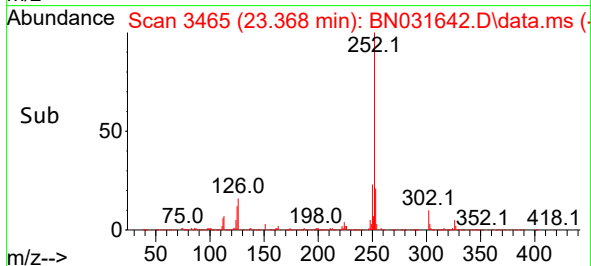
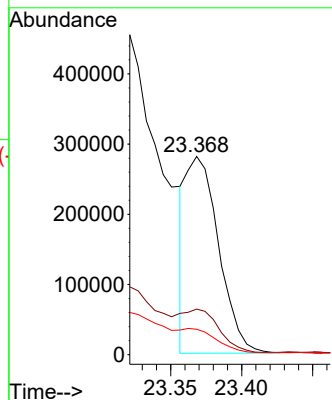
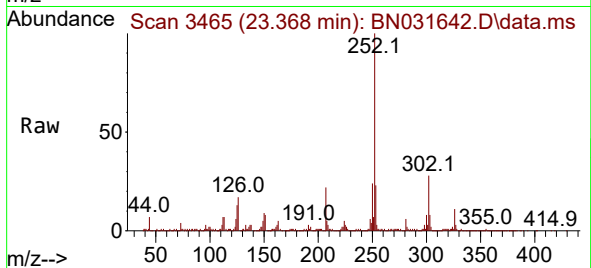
Tgt Ion:252 Resp: 446593

Ion Ratio Lower Upper

252 100

253 23.0 17.4 26.0

125 12.9 9.3 13.9



#93

Benzo(a)pyrene

Concen: 13.227 ng/ul

RT: 24.103 min Scan# 3590

Delta R.T. -0.000 min

Lab File: BN031642.D

Acq: 23 May 2024 21:32

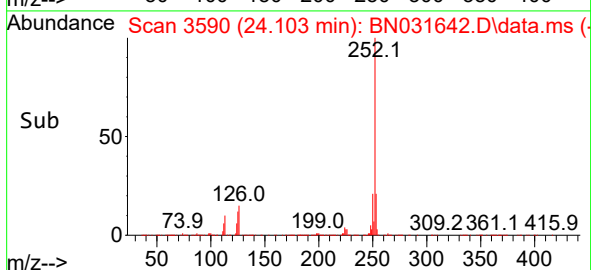
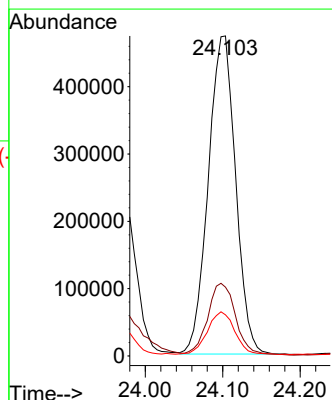
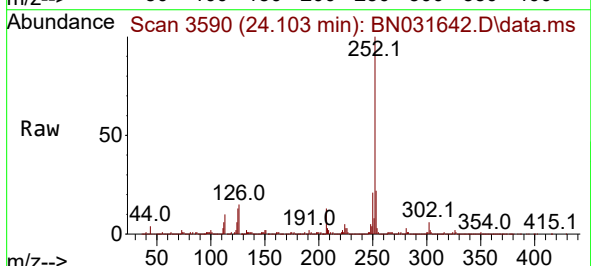
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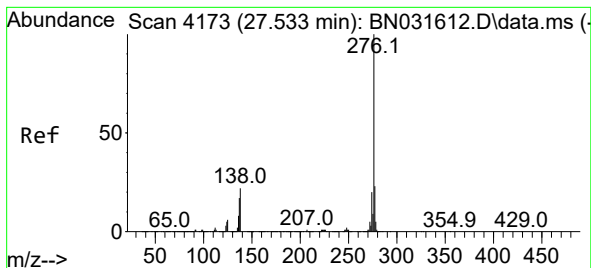
Ion Ratio Lower Upper

252 100

253 21.5 16.6 24.8

125 12.9 9.8 14.8





#94

Indeno(1,2,3-cd)pyrene

Concen: 7.735 ng/ul

RT: 27.533 min Scan# 4173

Delta R.T. -0.000 min

Lab File: BN031642.D

Acq: 23 May 2024 21:32

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BH5X5

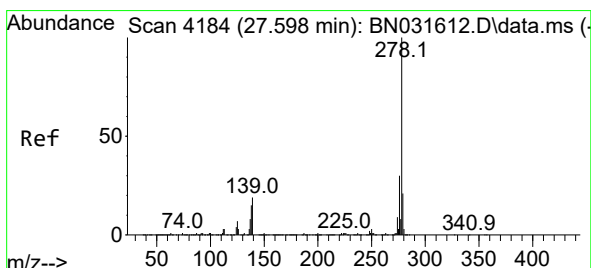
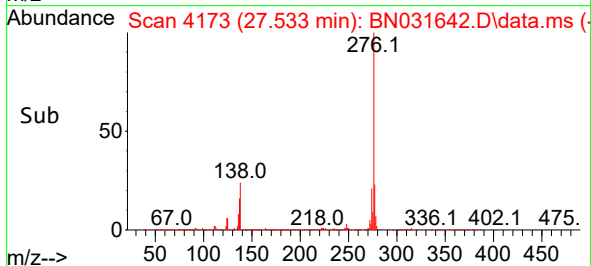
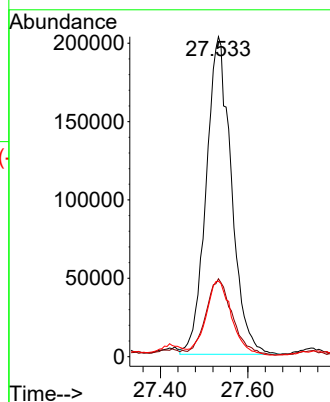
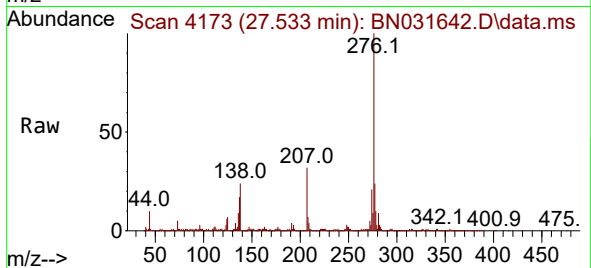
Tgt Ion:276 Resp: 812375

Ion Ratio Lower Upper

276 100

138 24.4 19.8 29.6

277 23.6 18.2 27.4



#95

Dibenzo(a,h)anthracene

Concen: 1.112 ng/ul

RT: 27.568 min Scan# 4179

Delta R.T. -0.024 min

Lab File: BN031642.D

Acq: 23 May 2024 21:32

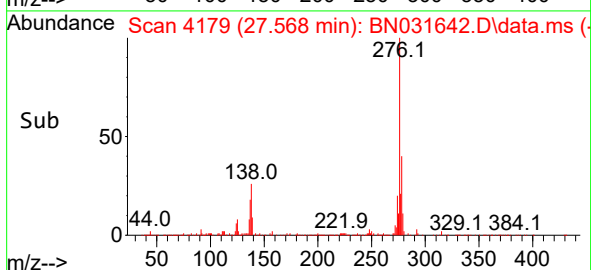
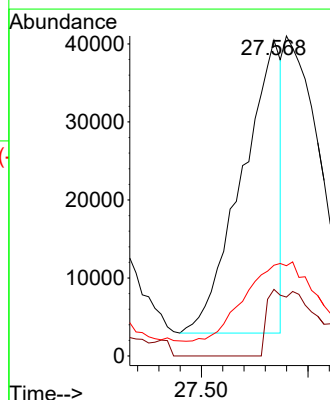
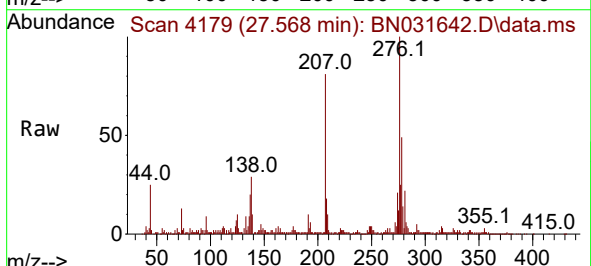
Tgt Ion:278 Resp: 96168

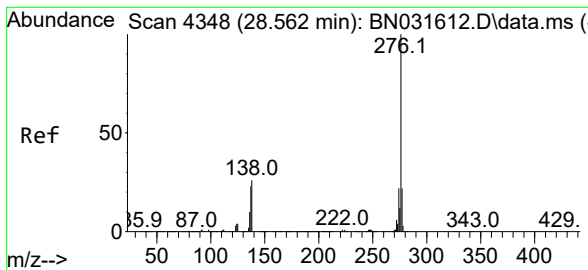
Ion Ratio Lower Upper

278 100

139 21.1 15.2 22.8

279 28.7 18.4 27.6#





#96
 Benzo(g,h,i)perylene
 Concen: 9.077 ng/ul
 RT: 28.562 min Scan# 41
 Delta R.T. 0.006 min
 Lab File: BN031642.D
 Acq: 23 May 2024 21:32

Instrument :
 BNA_N
 ClientSampleId :
 BH5X5

Tgt Ion: 276 Resp: 787610

Ion	Ratio	Lower	Upper
276	100		
138	24.3	19.5	29.3
277	21.8	17.6	26.4

