

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN053124\
 Data File : BN031743.D
 Acq On : 31 May 2024 15:39
 Operator : MA/JU
 Sample : P2549-24DL 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BHBNDL

Quant Time: Jun 01 00:12:33 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)

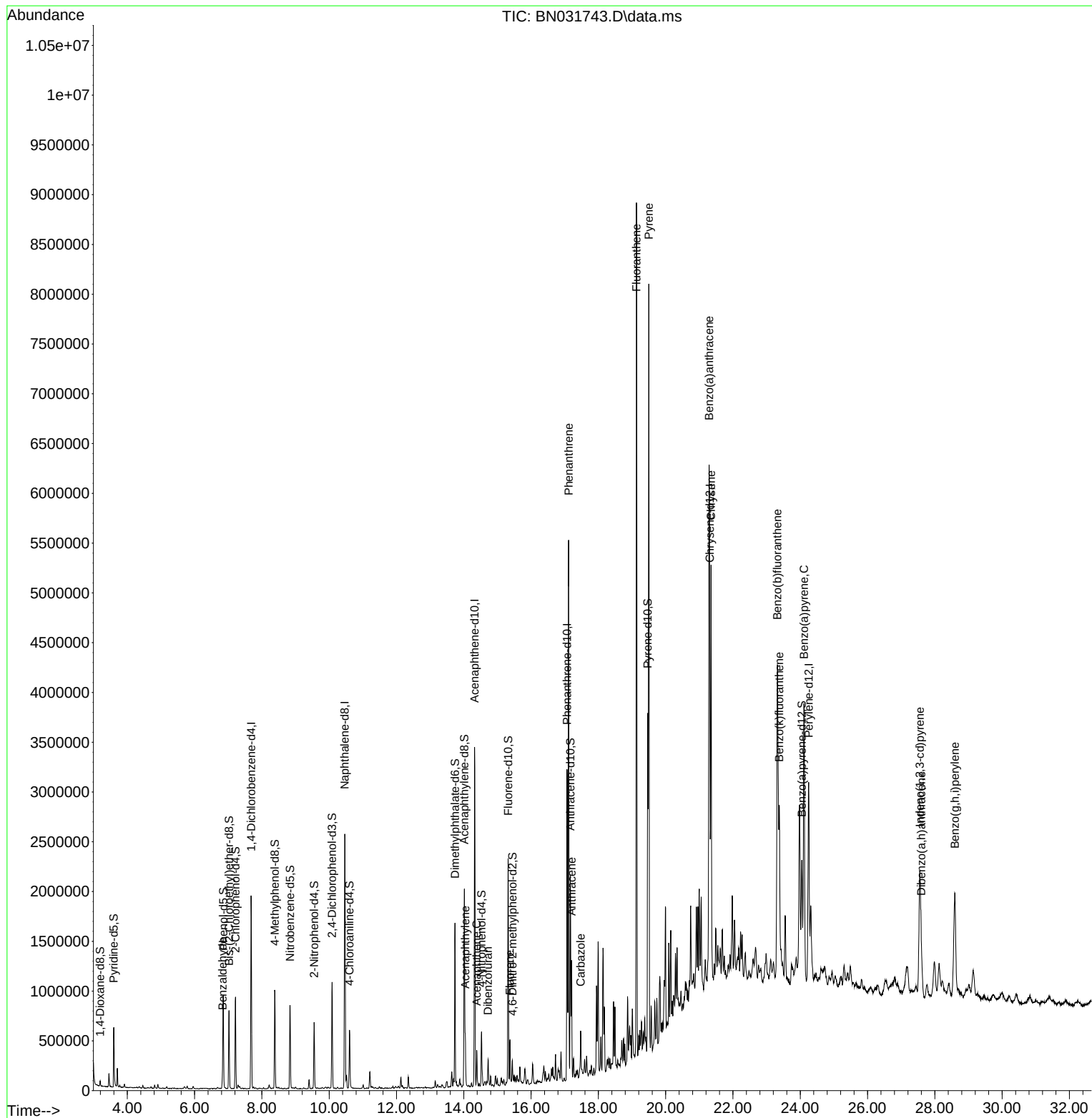
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.681	152	541910	20.000	ng/u1	0.00
20) Naphthalene-d8	10.463	136	2254608	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.322	164	1209546	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.069	188	1896145	20.000	ng/u1	0.00
79) Chrysene-d12	21.310	240	1411971	20.000	ng/u1	0.00
88) Perylene-d12	24.251	264	1741279	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.193	96	27084	2.068	ng/uL	0.00
4) Pyridine-d5	3.599	84	333081	9.033	ng/u1	0.00
7) Phenol-d5	6.852	99	554806	11.942	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.022	67	327496	12.052	ng/u1	0.00
11) 2-Chlorophenol-d4	7.216	132	455730	12.856	ng/u1	0.00
15) 4-Methylphenol-d8	8.381	113	401432	10.600	ng/u1	0.00
21) Nitrobenzene-d5	8.840	128	226006	13.110	ng/u1	0.00
24) 2-Nitrophenol-d4	9.551	143	232037	13.030	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.087	165	406498	12.228	ng/u1	0.00
31) 4-Chloroaniline-d4	10.604	131	347246	7.035	ng/u1	0.00
46) Dimethylphthalate-d6	13.739	166	1103884	13.100	ng/u1	0.00
49) Acenaphthylene-d8	14.016	160	1307542	13.495	ng/u1	0.00
54) 4-Nitrophenol-d4	14.528	143	116714	6.918	ng/u1	0.00
60) Fluorene-d10	15.322	176	881650	12.366	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.445	200	48766	5.117	ng/u1	0.00
73) Anthracene-d10	17.169	188	1121238	13.812	ng/u1	0.00
81) Pyrene-d10	19.469	212	1105371	14.629	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.051	264	1107738	13.323	ng/u1	0.01
Target Compounds						
					Qvalue	
6) Benzaldehyde	6.834	77	45655	2.095	ng/u1	98
50) Acenaphthylene	14.045	152	375449	3.429	ng/u1	99
52) Acenaphthene	14.386	153	142564	1.968	ng/u1	98
56) Dibenzofuran	14.722	168	123794	1.258	ng/u1	98
61) Fluorene	15.375	166	185904	2.345	ng/u1	92
72) Phenanthrene	17.116	178	3187180	32.996	ng/u1	99
74) Anthracene	17.204	178	713597	7.291	ng/u1	98
77) Carbazole	17.475	167	272047	3.260	ng/u1	99
80) Fluoranthene	19.133	202	5184616	57.416	ng/u1	99
82) Pyrene	19.498	202	4660470	50.304	ng/u1	99
85) Benzo(a)anthracene	21.292	228	2626137	27.787	ng/u1	99
87) Chrysene	21.351	228	2555308	28.946	ng/u1	96
90) Benzo(b)fluoranthene	23.321	252	3513893	33.761	ng/u1	97
91) Benzo(k)fluoranthene	23.380	252	1176036	11.515	ng/u1	98
93) Benzo(a)pyrene	24.109	252	2589298	26.562	ng/u1	95
94) Indeno(1,2,3-cd)pyrene	27.556	276	1866283	16.614	ng/u1	99
95) Dibenzo(a,h)anthracene	27.598	278	490799	5.352	ng/u1#	94
96) Benzo(g,h,i)perylene	28.597	276	1743613	19.527	ng/u1	97

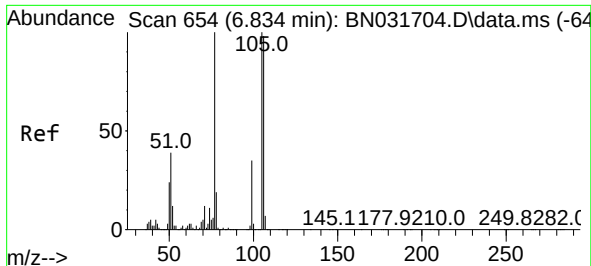
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
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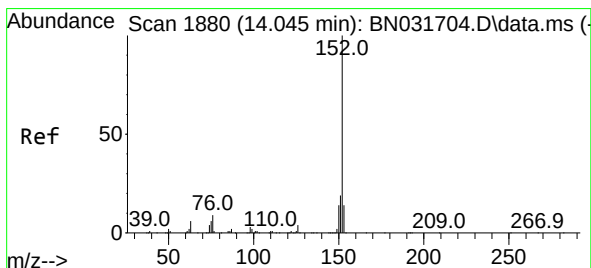
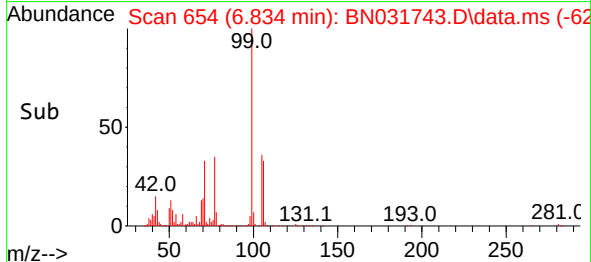
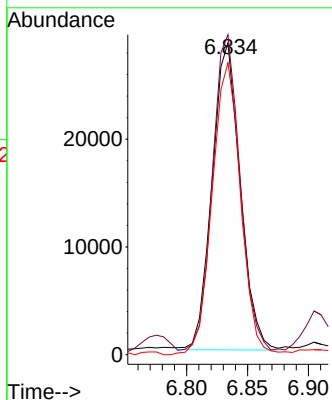
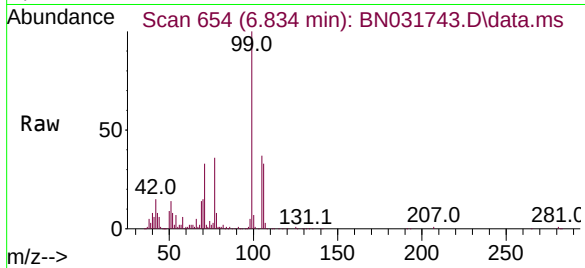




#6
Benzaldehyde
Concen: 2.095 ng/ul
RT: 6.834 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN031743.D
Acq: 31 May 2024 15:39

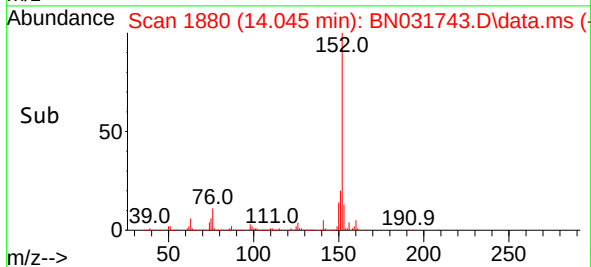
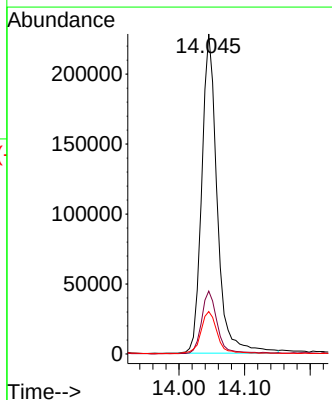
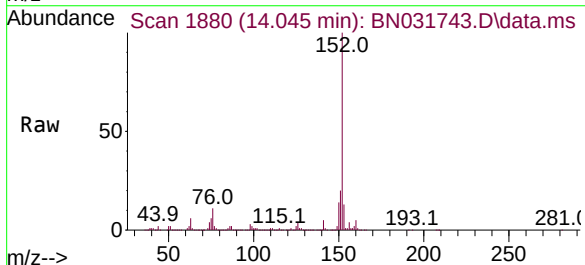
Instrument :
BNA_N
ClientSampleId :
BHBNDL

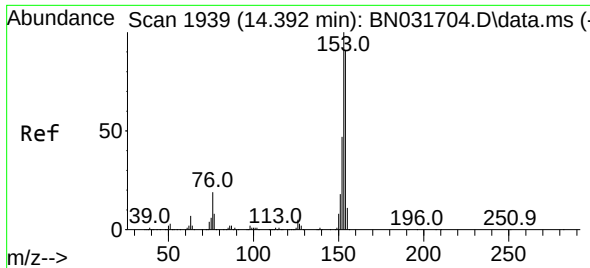
Tgt Ion: 77 Resp: 45655
Ion Ratio Lower Upper
77 100
105 102.6 80.2 120.4
106 93.6 76.8 115.2



#50
Acenaphthylene
Concen: 3.429 ng/ul
RT: 14.045 min Scan# 1880
Delta R.T. -0.000 min
Lab File: BN031743.D
Acq: 31 May 2024 15:39

Tgt Ion: 152 Resp: 375449
Ion Ratio Lower Upper
152 100
151 19.7 15.9 23.9
153 13.3 10.4 15.6

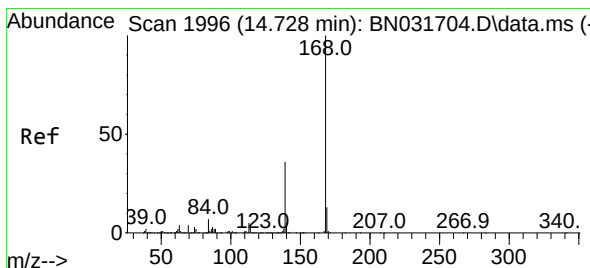
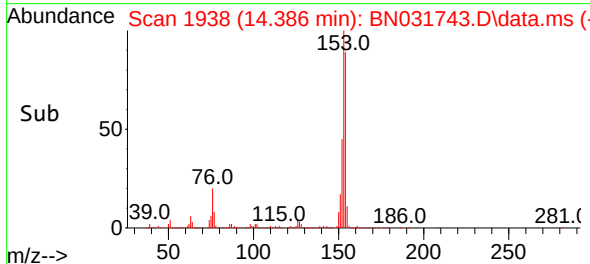
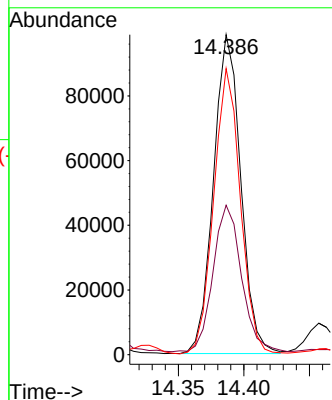
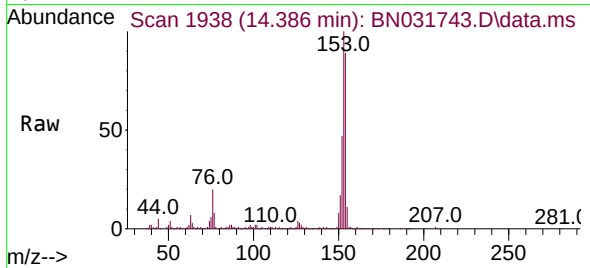




#52
Acenaphthene
Concen: 1.968 ng/ul
RT: 14.386 min Scan# 1938
Delta R.T. -0.000 min
Lab File: BN031743.D
Acq: 31 May 2024 15:39

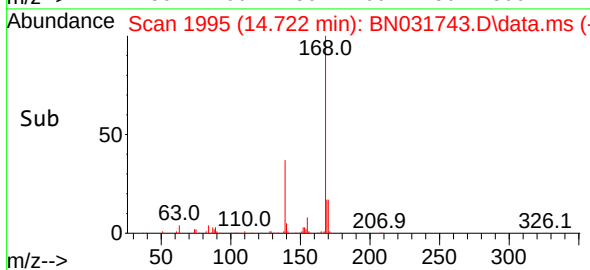
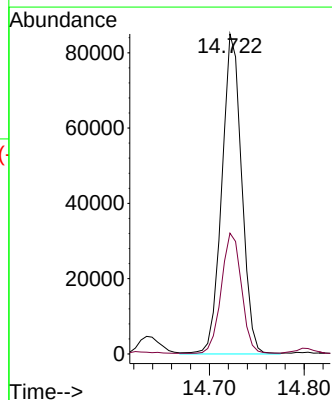
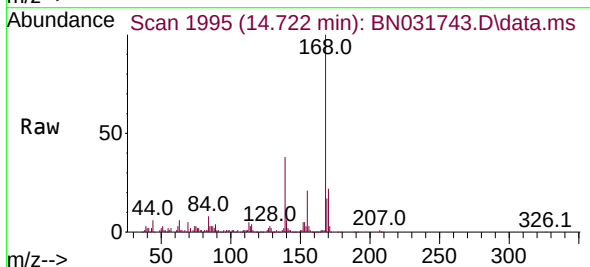
Instrument :
BNA_N
ClientSampleId :
BHB2DL

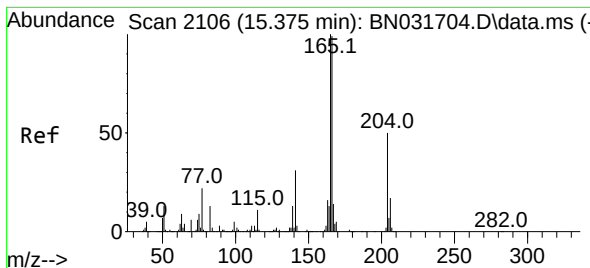
Tgt Ion:153 Resp: 142564
Ion Ratio Lower Upper
153 100
152 46.7 37.8 56.6
154 89.4 69.8 104.8



#56
Dibenzofuran
Concen: 1.258 ng/ul
RT: 14.722 min Scan# 1995
Delta R.T. -0.006 min
Lab File: BN031743.D
Acq: 31 May 2024 15:39

Tgt Ion:168 Resp: 123794
Ion Ratio Lower Upper
168 100
139 37.7 29.4 44.0





#61

Fluorene

Concen: 2.345 ng/ul

RT: 15.375 min Scan# 2106

Delta R.T. -0.000 min

Lab File: BN031743.D

Acq: 31 May 2024 15:39

Instrument :

BNA_N

ClientSampleId :

BHBN2DL

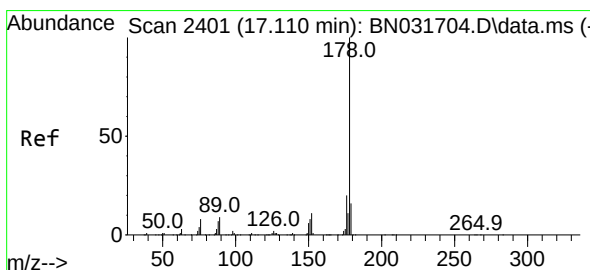
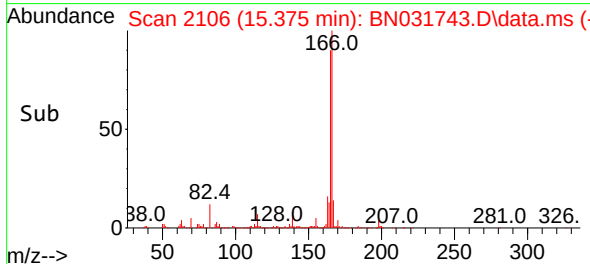
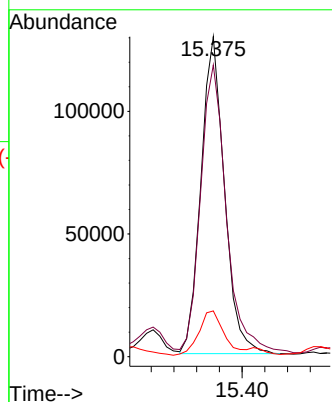
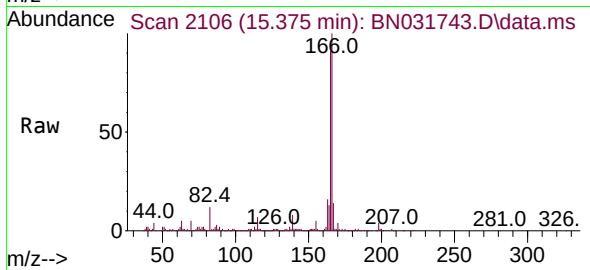
Tgt Ion:166 Resp: 185904

Ion Ratio Lower Upper

166 100

165 91.2 80.3 120.5

167 14.3 11.3 16.9



#72

Phenanthrene

Concen: 32.996 ng/ul

RT: 17.116 min Scan# 2402

Delta R.T. -0.000 min

Lab File: BN031743.D

Acq: 31 May 2024 15:39

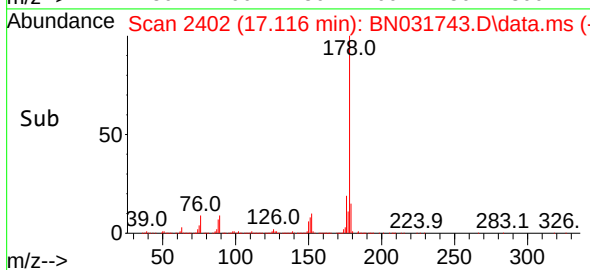
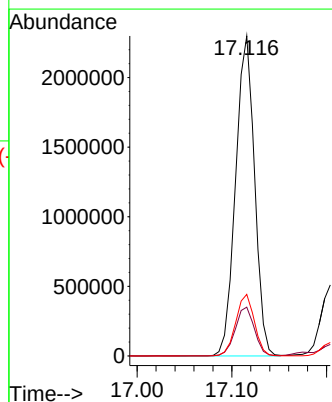
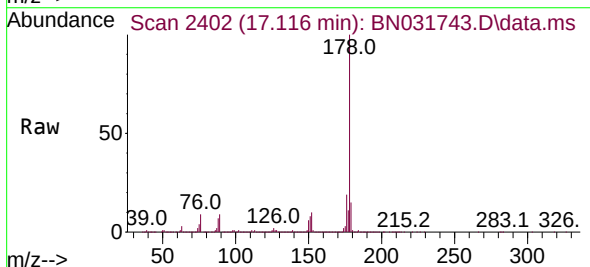
Tgt Ion:178 Resp: 3187180

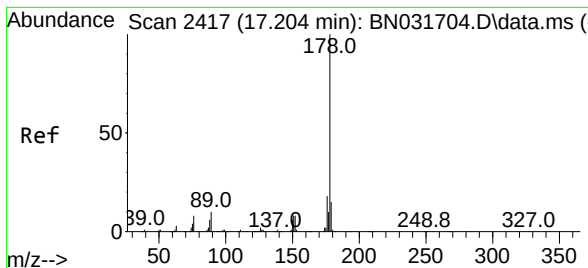
Ion Ratio Lower Upper

178 100

179 15.3 12.6 19.0

176 19.2 15.8 23.6





#74

Anthracene

Concen: 7.291 ng/ul

RT: 17.204 min Scan# 2417

Delta R.T. -0.000 min

Lab File: BN031743.D

Acq: 31 May 2024 15:39

Instrument :

BNA_N

ClientSampleId :

BHBN2DL

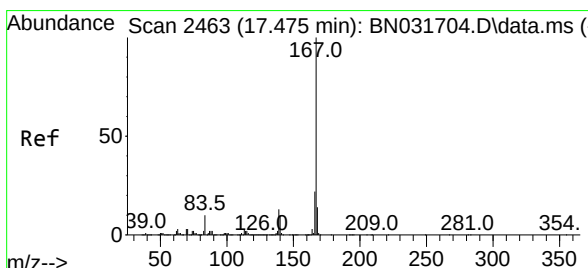
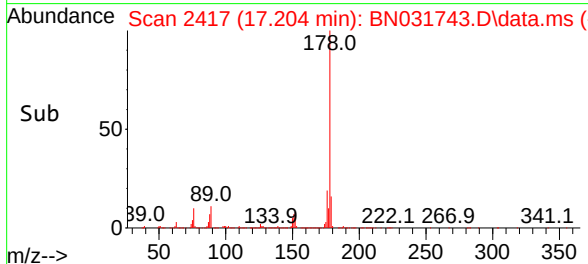
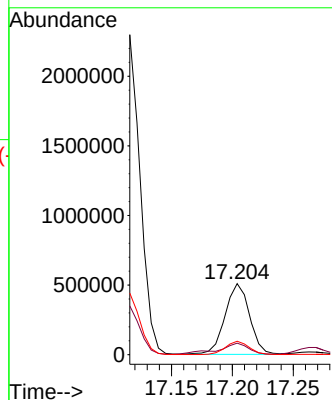
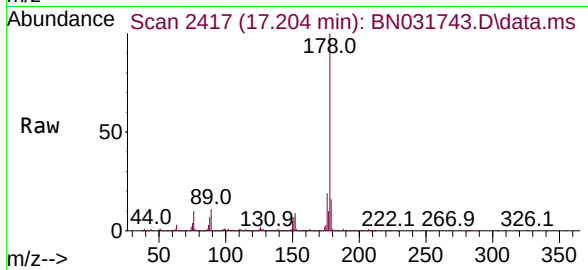
Tgt Ion:178 Resp: 713597

Ion Ratio Lower Upper

178 100

179 16.2 11.8 17.6

176 18.9 14.8 22.2



#77

Carbazole

Concen: 3.260 ng/ul

RT: 17.475 min Scan# 2463

Delta R.T. -0.000 min

Lab File: BN031743.D

Acq: 31 May 2024 15:39

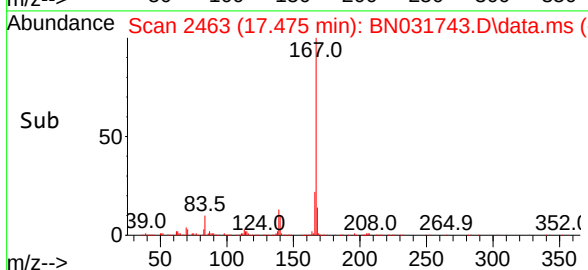
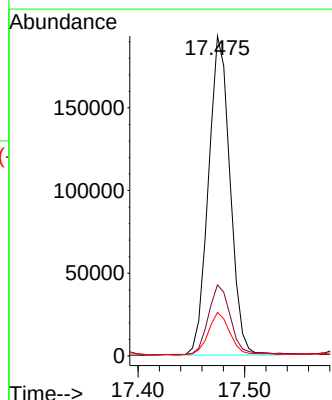
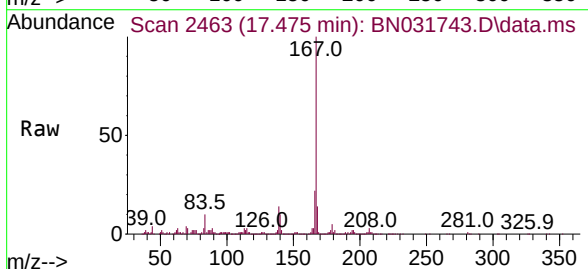
Tgt Ion:167 Resp: 272047

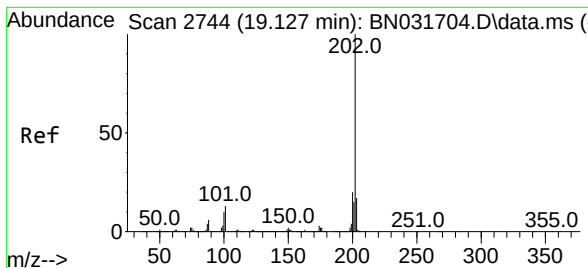
Ion Ratio Lower Upper

167 100

166 22.2 17.9 26.9

139 13.6 10.5 15.7





#80

Fluoranthene

Concen: 57.416 ng/ul

RT: 19.133 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN031743.D

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Instrument :

BNA_N

ClientSampleId :

BHBN2DL

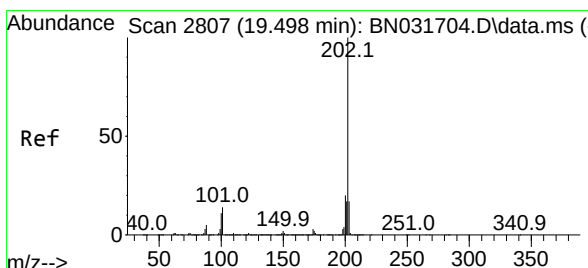
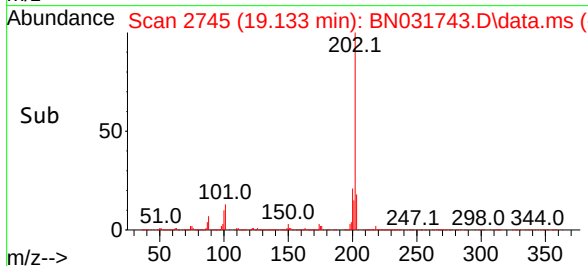
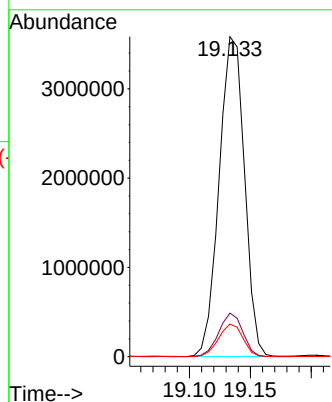
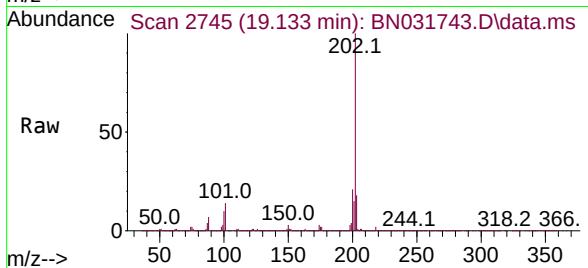
Tgt Ion:202 Resp: 5184616

Ion Ratio Lower Upper

202 100

101 13.6 10.3 15.5

100 10.2 8.0 12.0



#82

Pyrene

Concen: 50.304 ng/ul

RT: 19.498 min Scan# 2807

Delta R.T. 0.006 min

Lab File: BN031743.D

Acq: 31 May 2024 15:39

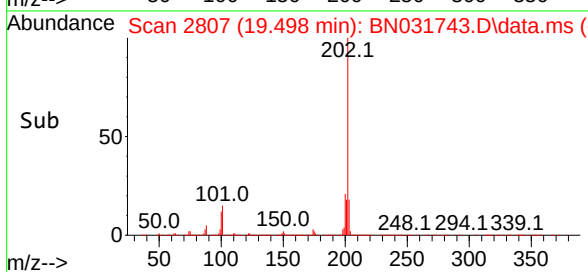
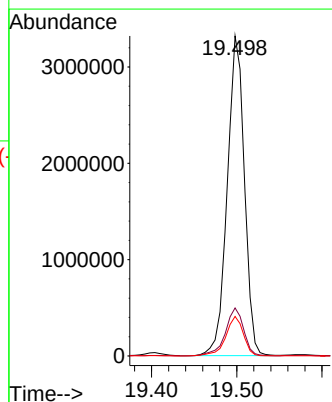
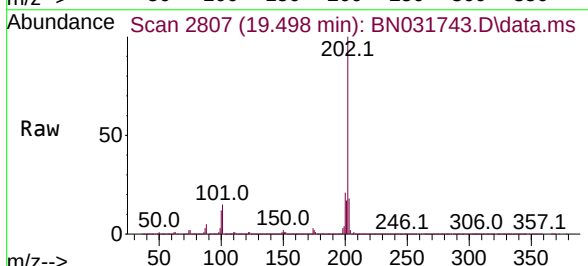
Tgt Ion:202 Resp: 4660470

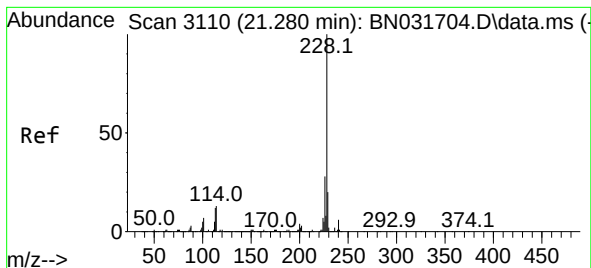
Ion Ratio Lower Upper

202 100

101 15.0 12.6 18.8

100 12.4 10.2 15.2





#85

Benzo(a)anthracene

Concen: 27.787 ng/u1

RT: 21.292 min Scan# 3112

Delta R.T. 0.006 min

Lab File: BN031743.D

Acq: 31 May 2024 15:39

Instrument :

BNA_N

ClientSampleId :

BHBN2DL

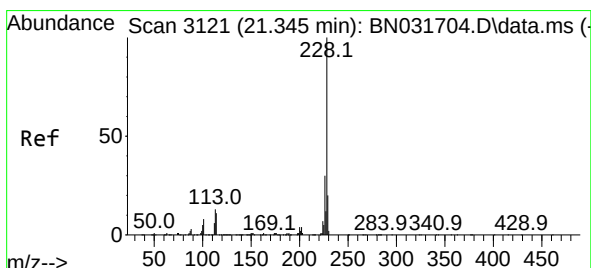
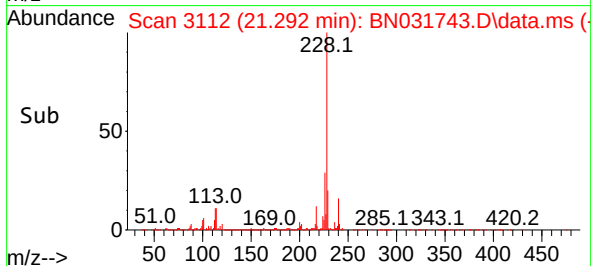
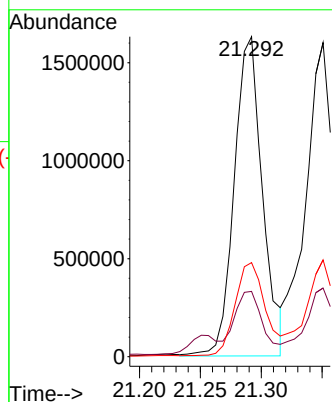
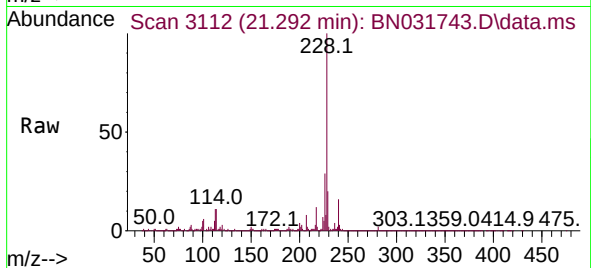
Tgt Ion:228 Resp: 2626137

Ion Ratio Lower Upper

228 100

229 20.4 16.7 25.1

226 29.4 22.8 34.2



#87

Chrysene

Concen: 28.946 ng/u1

RT: 21.351 min Scan# 3122

Delta R.T. -0.000 min

Lab File: BN031743.D

Acq: 31 May 2024 15:39

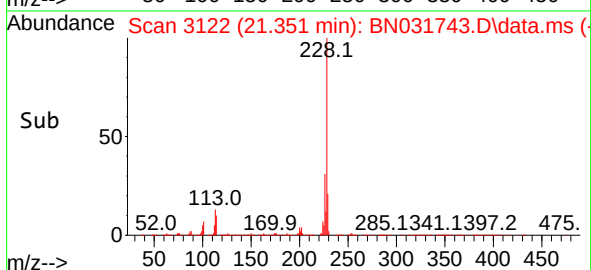
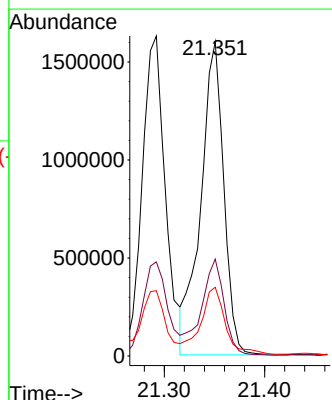
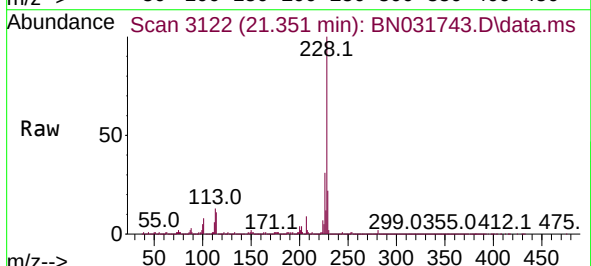
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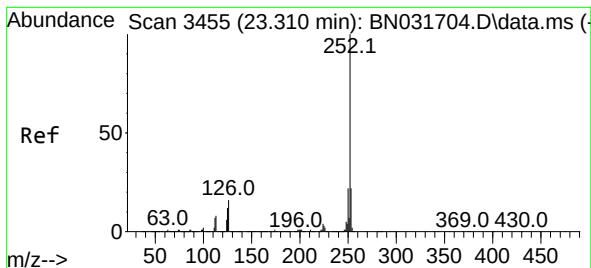
Ion Ratio Lower Upper

228 100

226 30.8 23.7 35.5

229 21.9 15.1 22.7





#90

Benzo(b)fluoranthene

Concen: 33.761 ng/ul

RT: 23.321 min Scan# 3455

Delta R.T. 0.012 min

Lab File: BN031743.D

Acq: 31 May 2024 15:39

Instrument :

BNA_N

ClientSampleId :

BHBN2DL

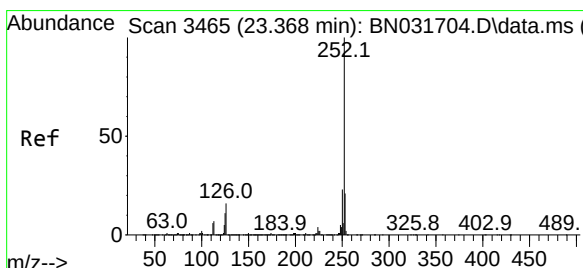
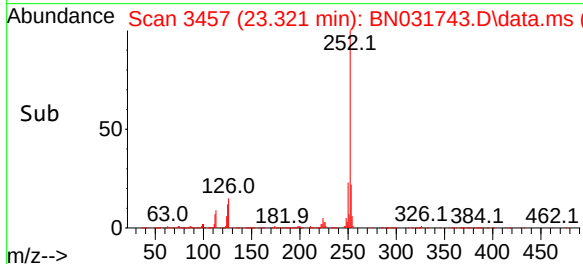
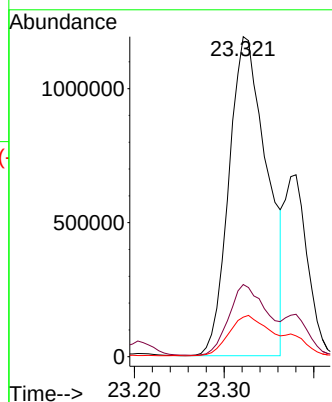
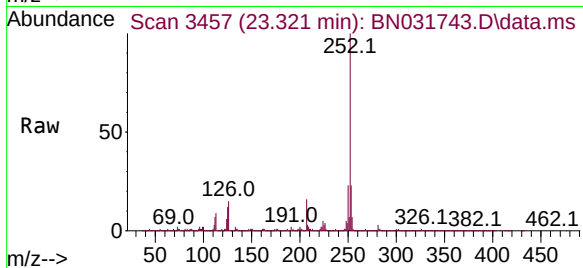
Tgt Ion:252 Resp: 3513893

Ion Ratio Lower Upper

252 100

253 22.6 17.0 25.6

125 12.3 9.2 13.8



#91

Benzo(k)fluoranthene

Concen: 11.515 ng/ul

RT: 23.380 min Scan# 3467

Delta R.T. 0.006 min

Lab File: BN031743.D

Acq: 31 May 2024 15:39

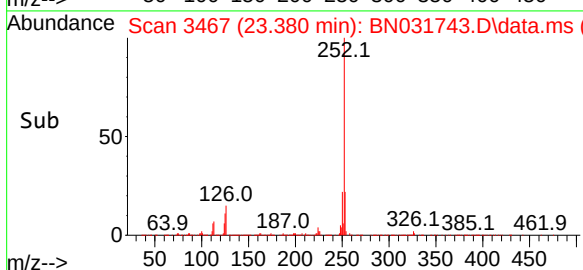
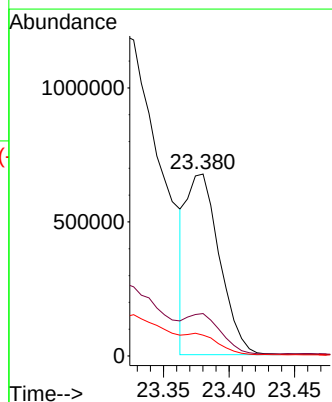
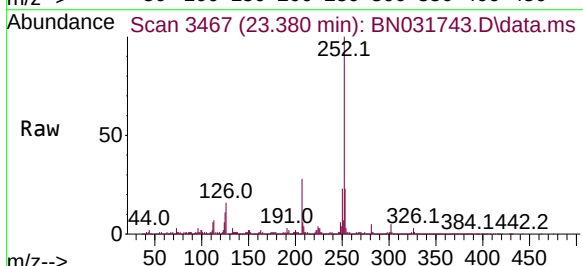
Tgt Ion:252 Resp: 1176036

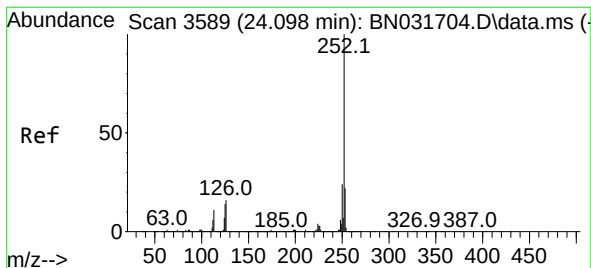
Ion Ratio Lower Upper

252 100

253 23.3 17.6 26.4

125 11.4 9.4 14.2





#93

Benzo(a)pyrene

Concen: 26.562 ng/ul

RT: 24.109 min Scan# 3591

Delta R.T. 0.006 min

Lab File: BN031743.D

Acq: 31 May 2024 15:39

Instrument :

BNA_N

ClientSampleId :

BHBN2DL

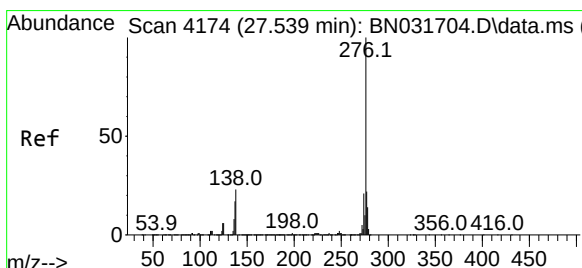
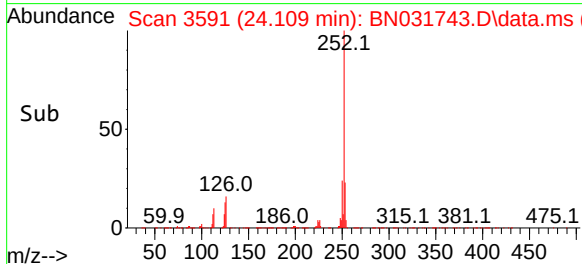
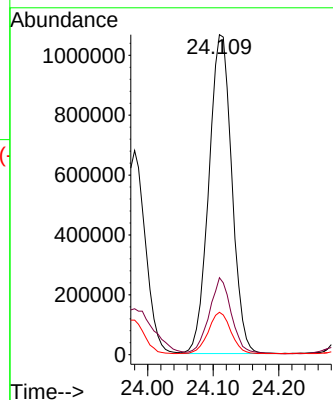
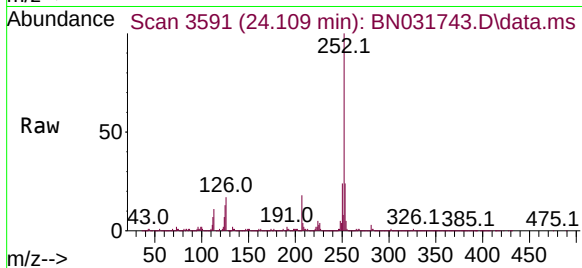
Tgt Ion:252 Resp: 2589298

Ion Ratio Lower Upper

252 100

253 24.0 16.6 24.8

125 13.2 9.8 14.8



#94

Indeno(1,2,3-cd)pyrene

Concen: 16.614 ng/ul

RT: 27.556 min Scan# 4177

Delta R.T. 0.023 min

Lab File: BN031743.D

Acq: 31 May 2024 15:39

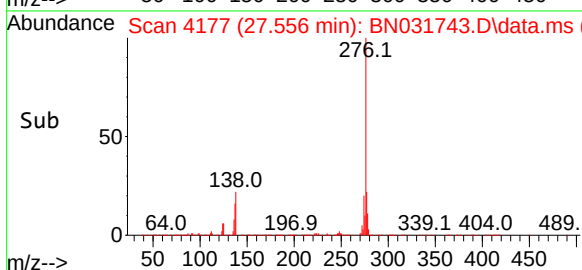
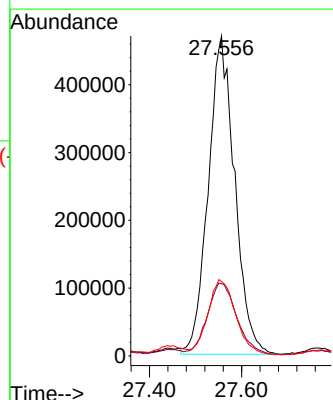
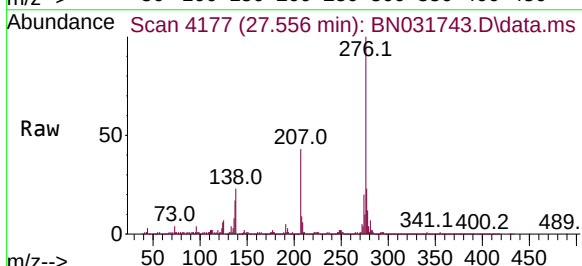
Tgt Ion:276 Resp: 1866283

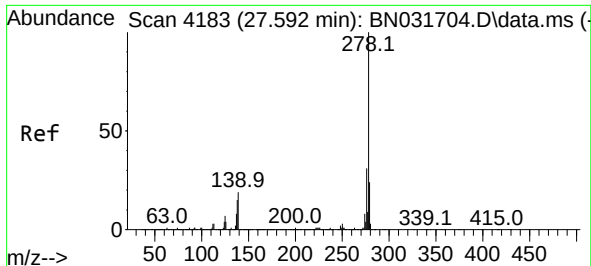
Ion Ratio Lower Upper

276 100

138 22.6 18.1 27.1

277 23.3 18.2 27.2

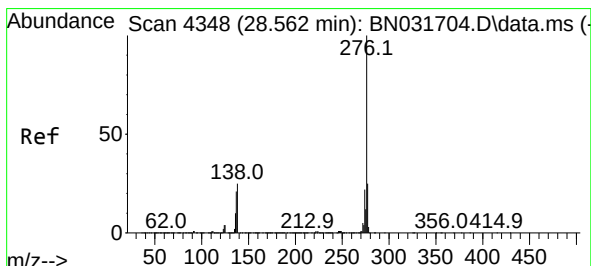
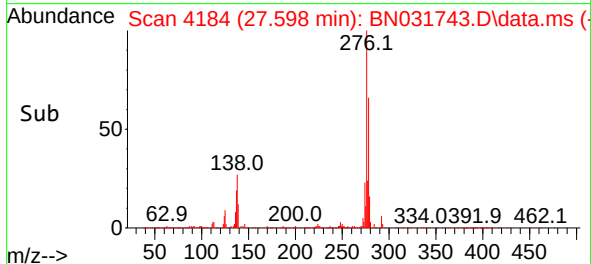
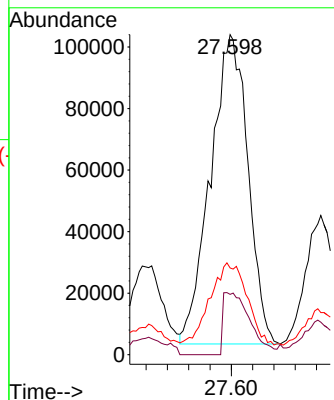
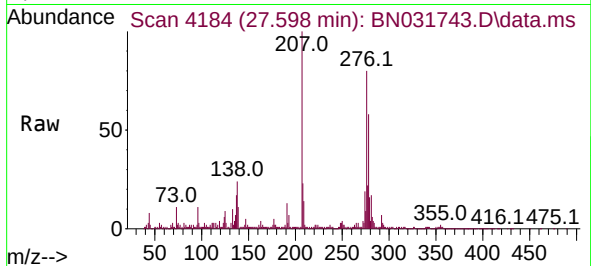




#95
 Dibenzo(a,h)anthracene
 Concen: 5.352 ng/ul
 RT: 27.598 min Scan# 4184
 Delta R.T. -0.006 min
 Lab File: BN031743.D
 Acq: 31 May 2024 15:39

Instrument :
 BNA_N
 ClientSampleId :
 BHBN2DL

Tgt Ion:278 Resp: 490799
 Ion Ratio Lower Upper
 278 100
 139 18.8 15.0 22.6
 279 27.1 17.4 26.0#



#96
 Benzo(g,h,i)perylene
 Concen: 19.527 ng/ul
 RT: 28.597 min Scan# 4354
 Delta R.T. 0.029 min
 Lab File: BN031743.D
 Acq: 31 May 2024 15:39

Tgt Ion:276 Resp: 1743613
 Ion Ratio Lower Upper
 276 100
 138 23.7 20.9 31.3
 277 22.5 18.0 27.0

