

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050124\
 Data File : BN031357.D
 Acq On : 01 May 2024 21:13
 Operator : MA/JU
 Sample : P2105-07
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: May 02 00:08:27 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN042924.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu May 02 00:07:34 2024
 Response via : Initial Calibration

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

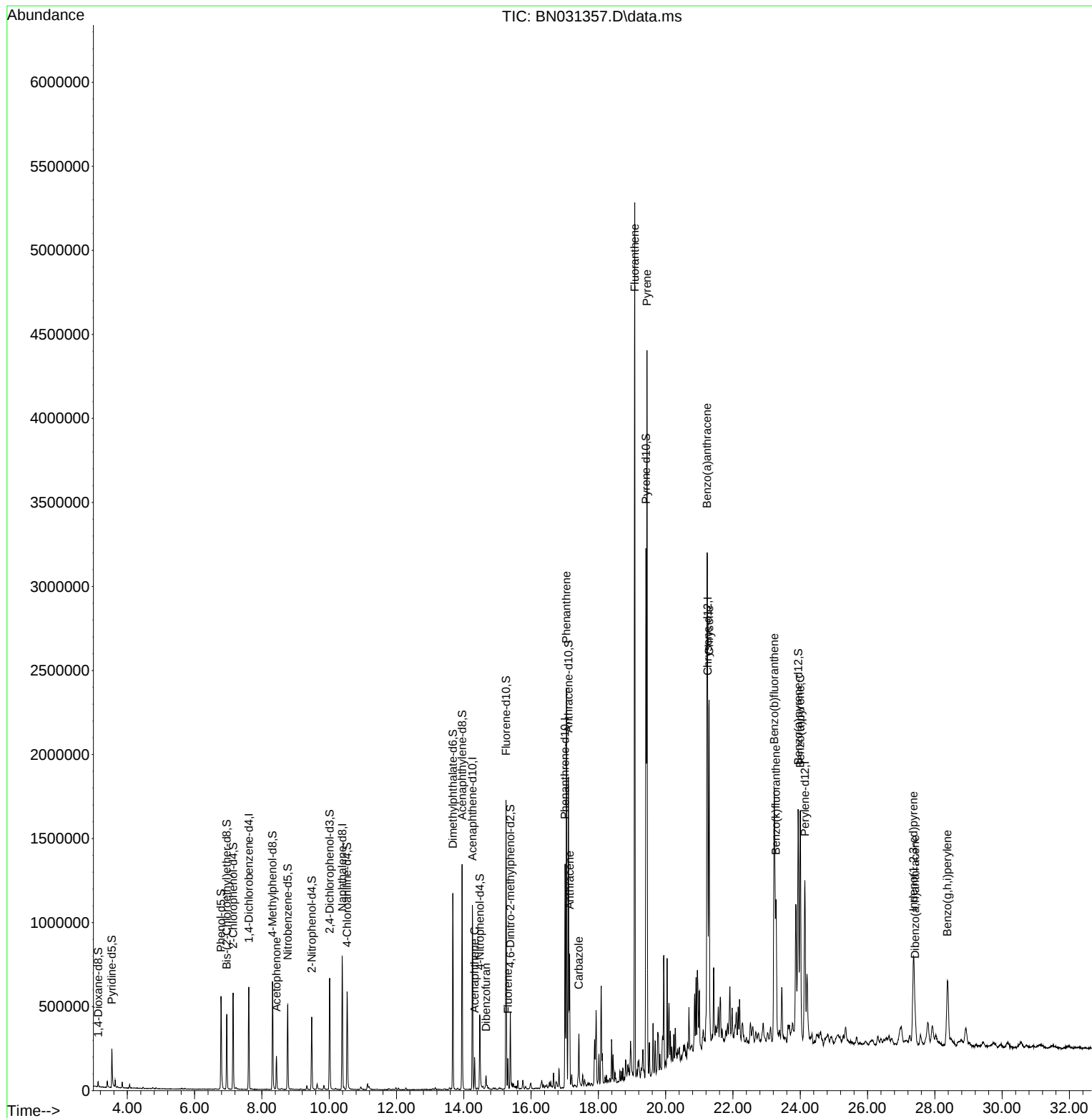
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.610	152	162726	20.000	ng/ul	0.00
20) Naphthalene-d8	10.387	136	635765	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.257	164	374762	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.010	188	761171	20.000	ng/ul	0.00
79) Chrysene-d12	21.251	240	664391	20.000	ng/ul	0.00
88) Perylene-d12	24.139	264	794607	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.134	96	15768	4.511	ng/uL	0.00
4) Pyridine-d5	3.540	84	124992	12.488	ng/ul	0.00
7) Phenol-d5	6.787	99	312471	23.863	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	6.958	67	186104	24.274	ng/ul	0.00
11) 2-Chlorophenol-d4	7.146	132	261841	24.995	ng/ul	0.00
15) 4-Methylphenol-d8	8.316	113	242435	22.342	ng/ul	0.00
21) Nitrobenzene-d5	8.769	128	125710	27.436	ng/ul	0.00
24) 2-Nitrophenol-d4	9.481	143	134221	27.218	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.016	165	237583	25.945	ng/ul	0.00
31) 4-Chloroaniline-d4	10.534	131	320458	24.148	ng/ul	0.00
46) Dimethylphthalate-d6	13.675	166	737944	29.868	ng/ul	0.00
49) Acenaphthylene-d8	13.951	160	820368	28.617	ng/ul	0.00
54) 4-Nitrophenol-d4	14.475	143	112483	25.087	ng/ul	0.00
60) Fluorene-d10	15.257	176	637508	30.216	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.387	200	87256	22.292	ng/ul	0.00
73) Anthracene-d10	17.110	188	990008	31.515	ng/ul	0.00
81) Pyrene-d10	19.416	212	1133740	28.019	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.939	264	1195402	32.495	ng/ul	0.00
Target Compounds						
					Qvalue	
16) Acetophenone	8.434	105	101594	6.297	ng/ul	97
52) Acenaphthene	14.322	153	72859	3.367	ng/ul	98
56) Dibenzofuran	14.663	168	40656	1.383	ng/ul	97
61) Fluorene	15.310	166	76079	3.247	ng/ul	99
72) Phenanthrene	17.051	178	1398286	37.120	ng/ul	100
74) Anthracene	17.145	178	454584	12.067	ng/ul	98
77) Carbazole	17.422	167	175746	5.341	ng/ul	98
80) Fluoranthene	19.080	202	3036376	62.597	ng/ul	99
82) Pyrene	19.445	202	2514113	50.808	ng/ul	99
85) Benzo(a)anthracene	21.233	228	1495194	34.484	ng/ul	99
87) Chrysene	21.292	228	1247452	30.707	ng/ul	96
90) Benzo(b)fluoranthene	23.227	252	1608002	33.393	ng/ul	95
91) Benzo(k)fluoranthene	23.280	252	552767	11.672	ng/ul	97
93) Benzo(a)pyrene	23.998	252	1216324	28.241	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	27.368	276	749677	15.362	ng/ul	97
95) Dibenzo(a,h)anthracene	27.409	278	193012	4.761	ng/ul	94
96) Benzo(g,h,i)perylene	28.374	276	338009	8.587	ng/ul	97

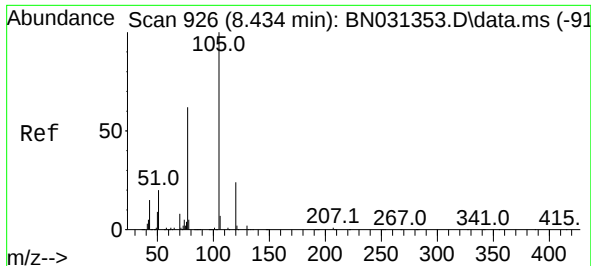
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
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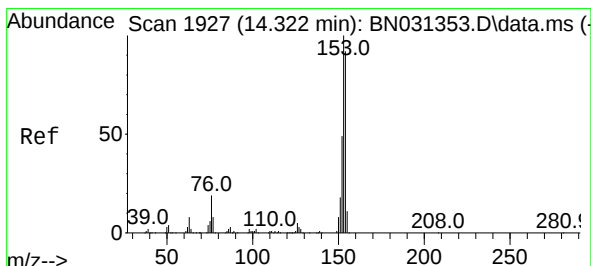
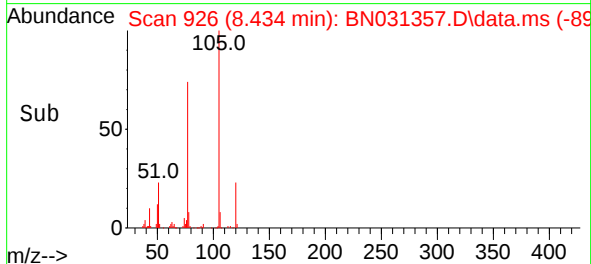
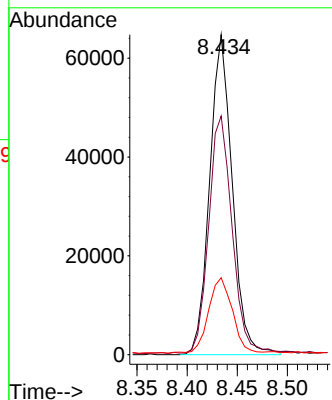
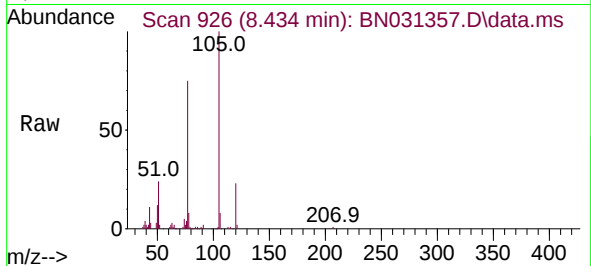




#16
Acetophenone
Concen: 6.297 ng/ul
RT: 8.434 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN031357.D
Acq: 01 May 2024 21:13

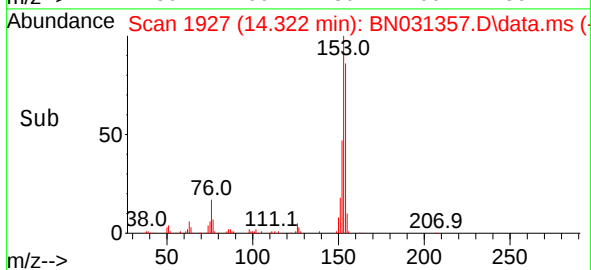
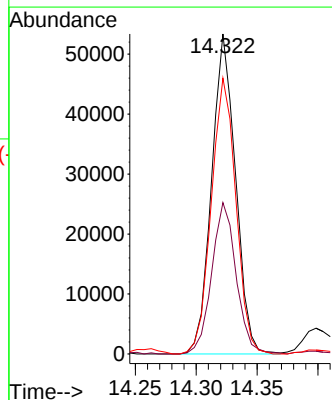
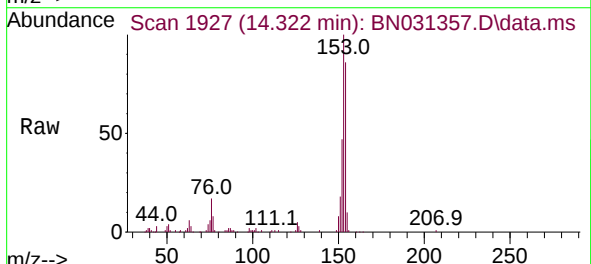
Instrument :
BNA_N
ClientSampleId :

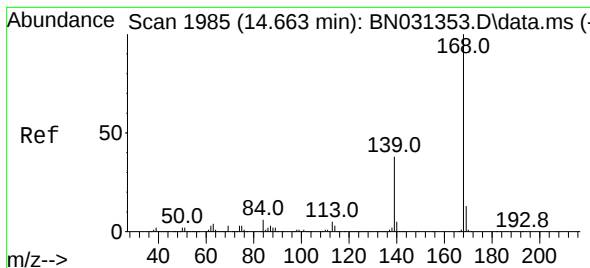
Tgt Ion:105 Resp: 101594
Ion Ratio Lower Upper
105 100
77 74.6 62.0 93.0
51 24.0 20.6 30.8



#52
Acenaphthene
Concen: 3.367 ng/ul
RT: 14.322 min Scan# 1927
Delta R.T. 0.000 min
Lab File: BN031357.D
Acq: 01 May 2024 21:13

Tgt Ion:153 Resp: 72859
Ion Ratio Lower Upper
153 100
152 47.3 38.3 57.5
154 86.2 70.7 106.1





#56

Dibenzenofuran

Concen: 1.383 ng/ul

RT: 14.663 min Scan# 1985

Delta R.T. 0.000 min

Lab File: BN031357.D

Acq: 01 May 2024 21:13

Instrument :

BNA_N

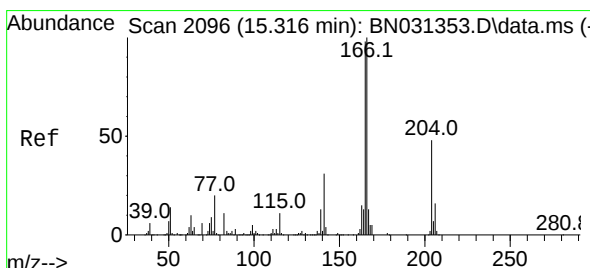
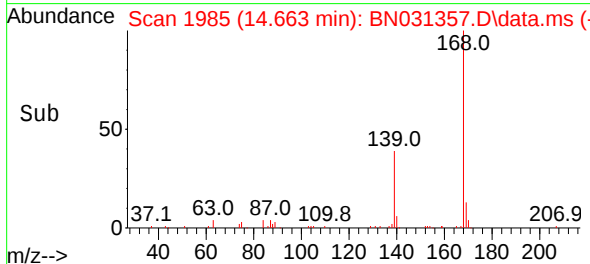
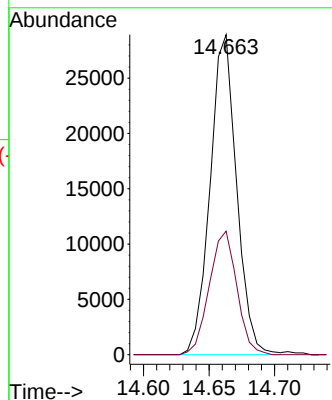
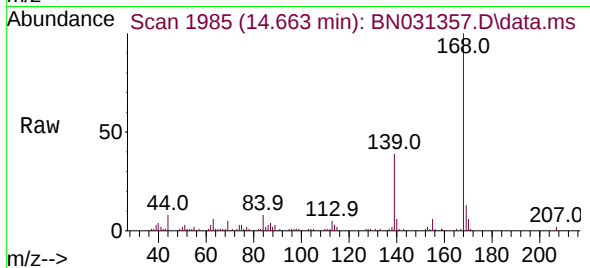
ClientSampleId :

Tgt Ion:168 Resp: 40656

Ion Ratio Lower Upper

168 100

139 38.6 29.7 44.5



#61

Fluorene

Concen: 3.247 ng/ul

RT: 15.310 min Scan# 2095

Delta R.T. -0.006 min

Lab File: BN031357.D

Acq: 01 May 2024 21:13

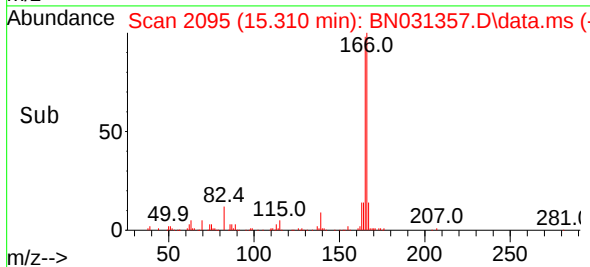
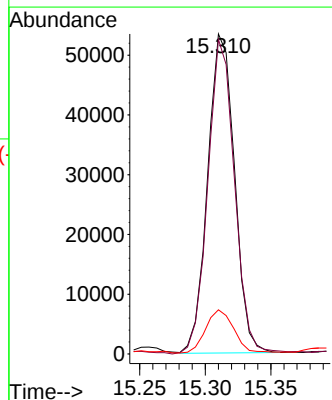
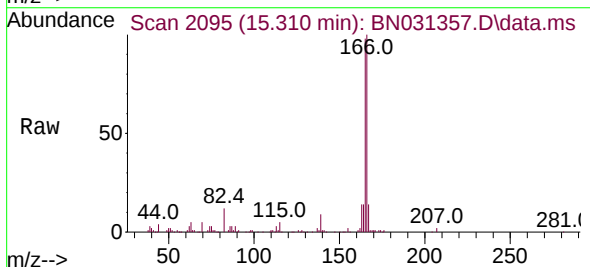
Tgt Ion:166 Resp: 76079

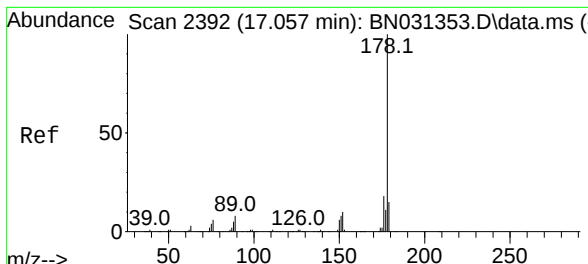
Ion Ratio Lower Upper

166 100

165 98.3 77.9 116.9

167 13.8 10.9 16.3



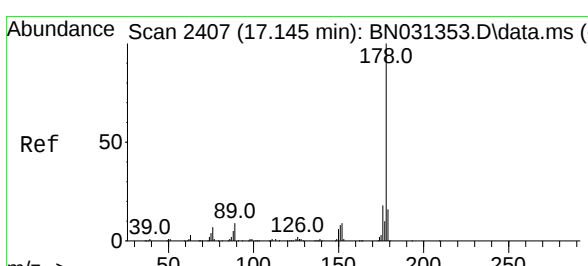
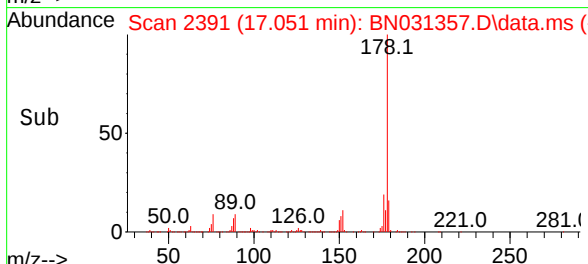
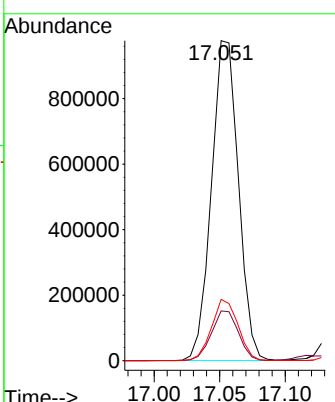
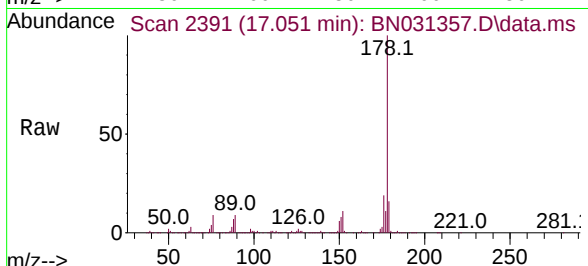


#72
 Phenanthrene
 Concen: 37.120 ng/ul
 RT: 17.051 min Scan# 2391
 Delta R.T. -0.006 min
 Lab File: BN031357.D
 Acq: 01 May 2024 21:13

Instrument :
 BNA_N
 ClientSampleId :

Tgt Ion:178 Resp: 1398286

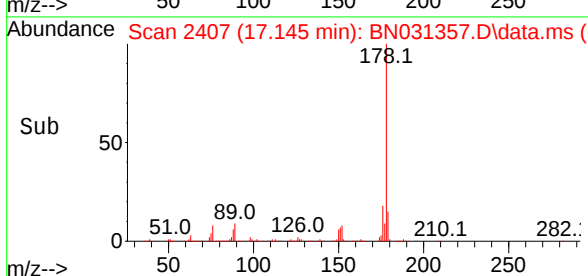
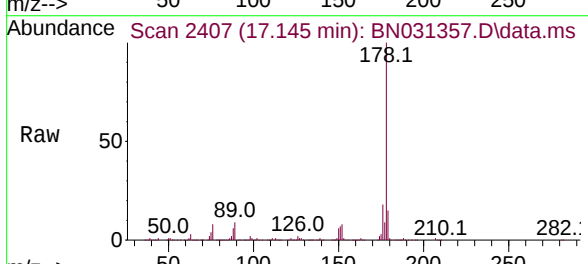
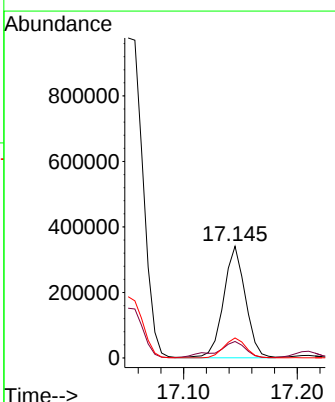
Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.4	18.6
176	19.2	15.6	23.4

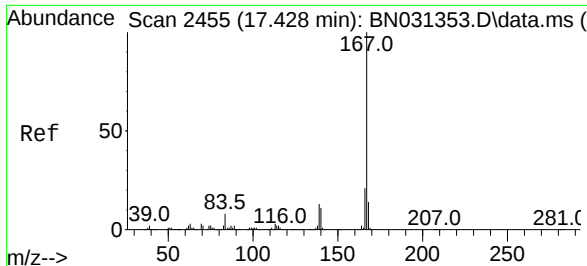


#74
 Anthracene
 Concen: 12.067 ng/ul
 RT: 17.145 min Scan# 2407
 Delta R.T. 0.000 min
 Lab File: BN031357.D
 Acq: 01 May 2024 21:13

Tgt Ion:178 Resp: 454584

Ion	Ratio	Lower	Upper
178	100		
179	14.8	12.0	18.0
176	17.9	15.1	22.7

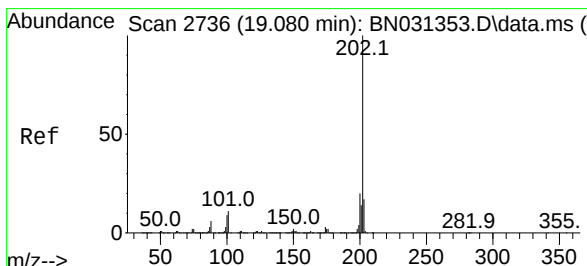
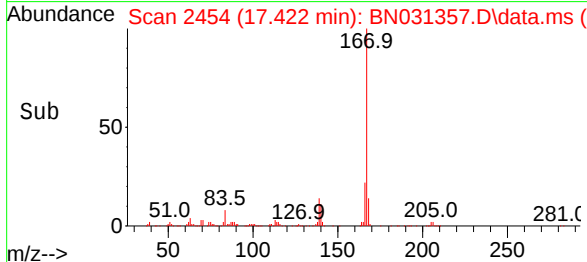
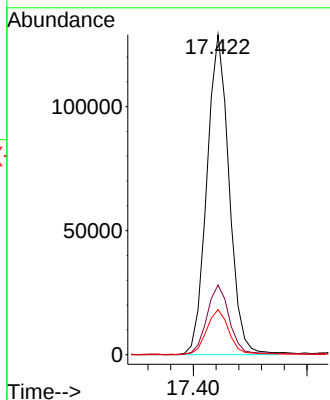
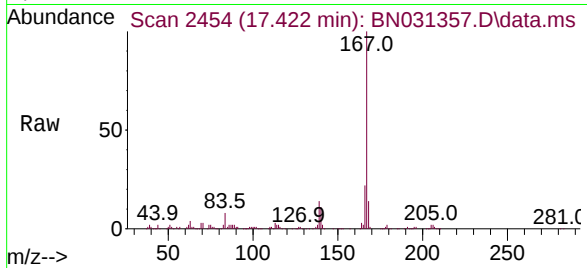




#77
 Carbazole
 Concen: 5.341 ng/ul
 RT: 17.422 min Scan# 2455
 Delta R.T. -0.006 min
 Lab File: BN031357.D
 Acq: 01 May 2024 21:13

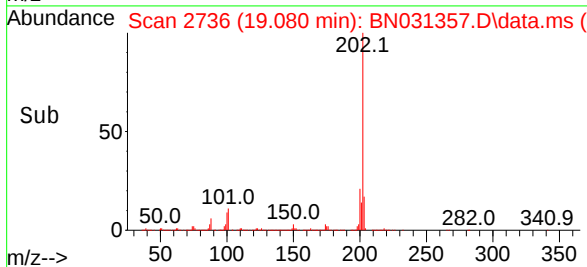
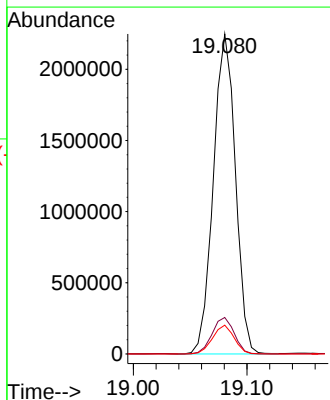
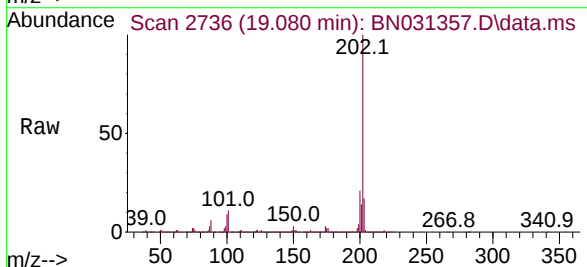
Instrument :
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 ClientSampleId :

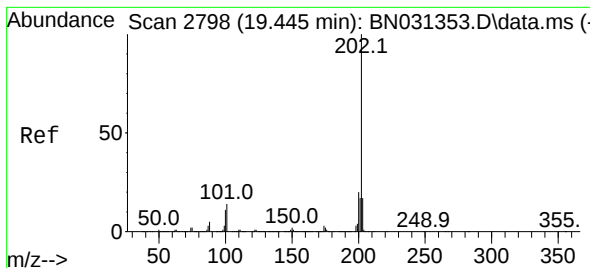
Tgt Ion:167 Resp: 175746
 Ion Ratio Lower Upper
 167 100
 166 21.8 16.7 25.1
 139 14.1 10.4 15.6



#80
 Fluoranthene
 Concen: 62.597 ng/ul
 RT: 19.080 min Scan# 2736
 Delta R.T. 0.000 min
 Lab File: BN031357.D
 Acq: 01 May 2024 21:13

Tgt Ion:202 Resp: 3036376
 Ion Ratio Lower Upper
 202 100
 101 11.4 9.0 13.6
 100 9.0 6.7 10.1





#82

Pyrene

Concen: 50.808 ng/ul

RT: 19.445 min Scan# 2798

Delta R.T. 0.000 min

Lab File: BN031357.D

Acq: 01 May 2024 21:13

Instrument :

BNA_N

ClientSampleId :

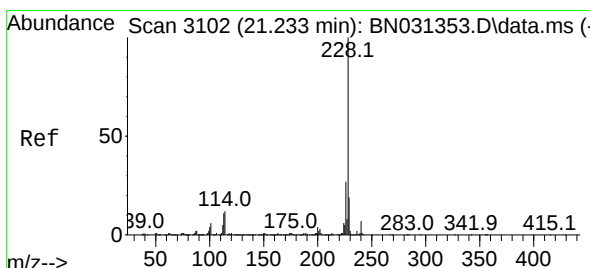
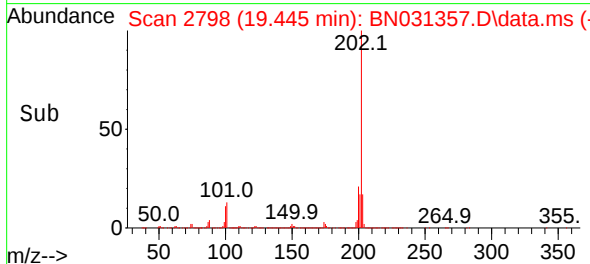
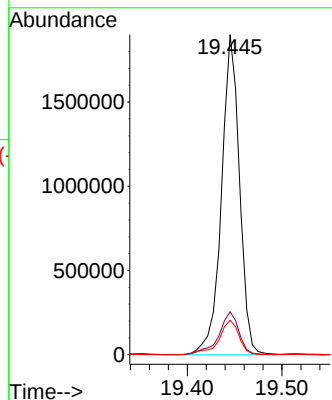
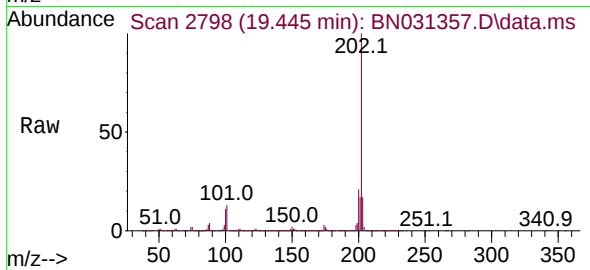
Tgt Ion:202 Resp: 2514113

Ion Ratio Lower Upper

202 100

101 13.4 11.0 16.6

100 10.7 9.2 13.8



#85

Benzo(a)anthracene

Concen: 34.484 ng/ul

RT: 21.233 min Scan# 3102

Delta R.T. 0.000 min

Lab File: BN031357.D

Acq: 01 May 2024 21:13

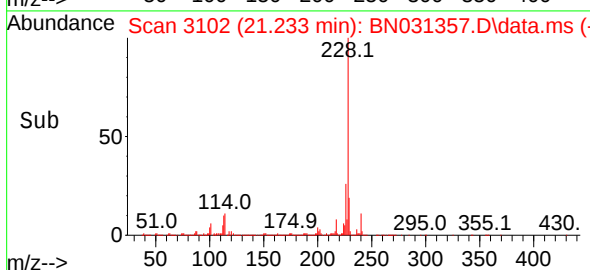
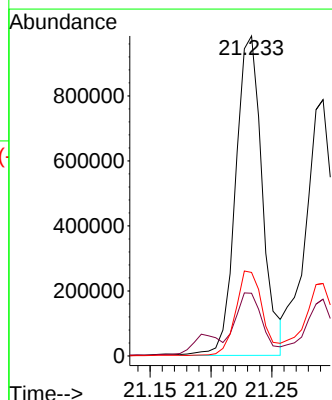
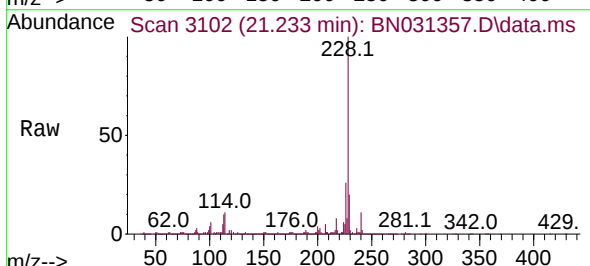
Tgt Ion:228 Resp: 1495194

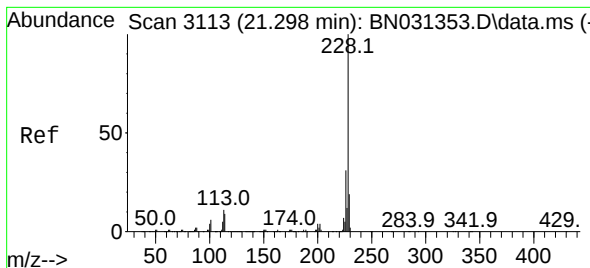
Ion Ratio Lower Upper

228 100

229 19.6 15.9 23.9

226 26.1 21.1 31.7





#87

Chrysene

Concen: 30.707 ng/ul

RT: 21.292 min Scan# 3113

Delta R.T. -0.006 min

Lab File: BN031357.D

Acq: 01 May 2024 21:13

Instrument :

BNA_N

ClientSampleId :

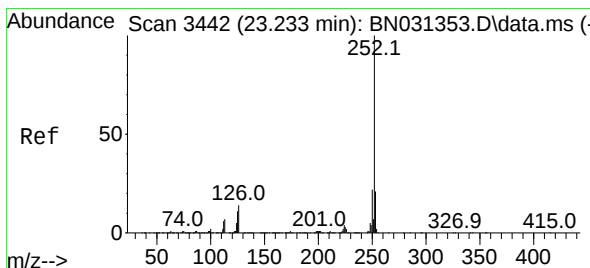
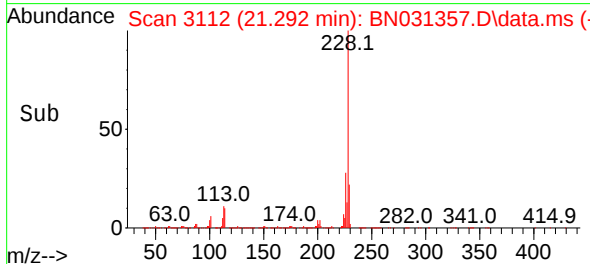
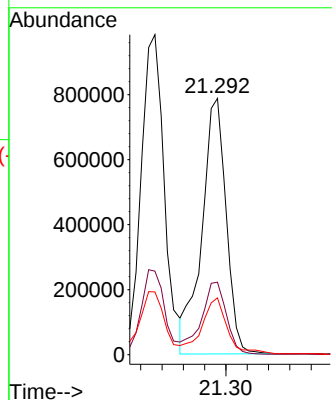
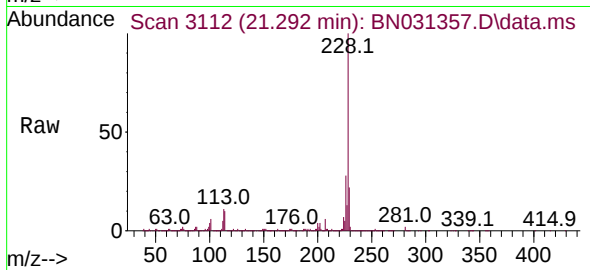
Tgt Ion:228 Resp: 1247452

Ion Ratio Lower Upper

228 100

226 28.3 24.5 36.7

229 22.2 16.7 25.1



#90

Benzo(b)fluoranthene

Concen: 33.393 ng/ul

RT: 23.227 min Scan# 3441

Delta R.T. -0.006 min

Lab File: BN031357.D

Acq: 01 May 2024 21:13

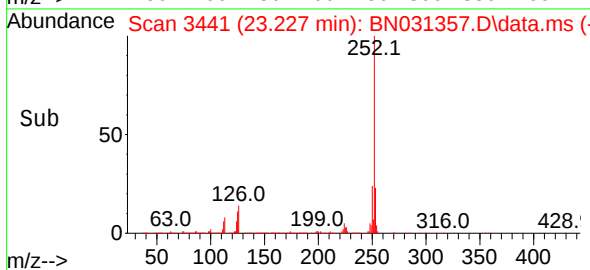
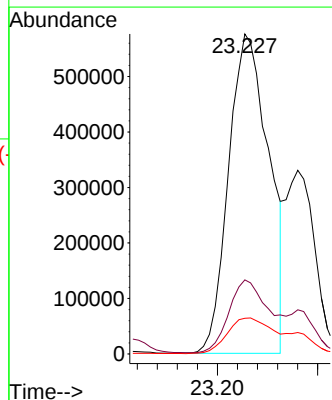
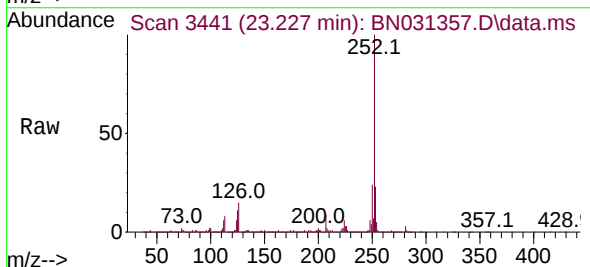
Tgt Ion:252 Resp: 1608002

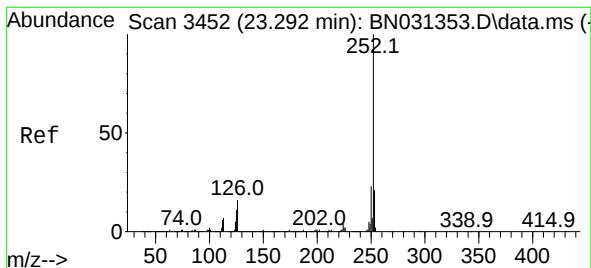
Ion Ratio Lower Upper

252 100

253 23.1 15.7 23.5

125 11.2 8.6 13.0





#91

Benzo(k)fluoranthene

Concen: 11.672 ng/ul

RT: 23.280 min Scan# 3452

Delta R.T. -0.012 min

Lab File: BN031357.D

Acq: 01 May 2024 21:13

Instrument :

BNA_N

ClientSampleId :

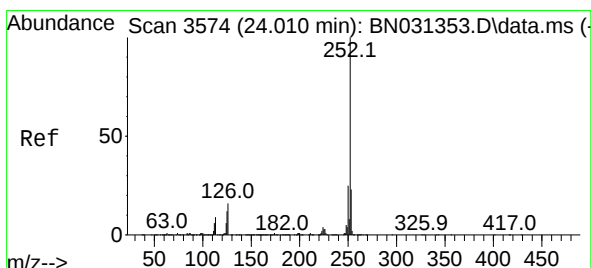
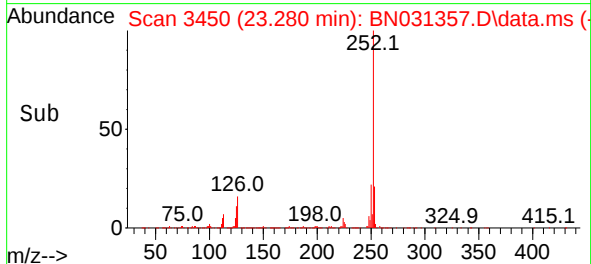
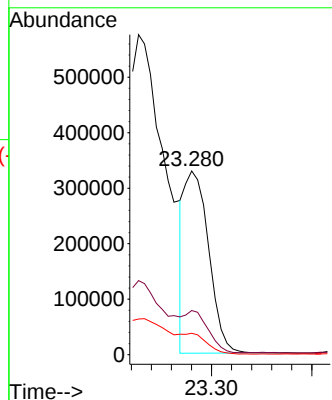
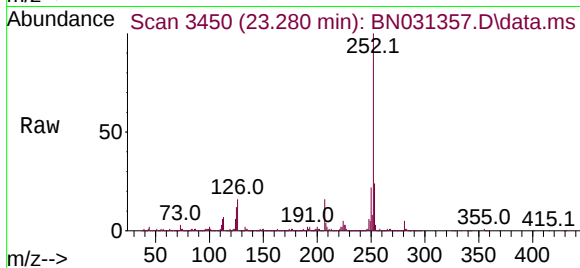
Tgt Ion:252 Resp: 552767

Ion Ratio Lower Upper

252 100

253 24.0 17.8 26.8

125 11.7 8.7 13.1



#93

Benzo(a)pyrene

Concen: 28.241 ng/ul

RT: 23.998 min Scan# 3572

Delta R.T. -0.012 min

Lab File: BN031357.D

Acq: 01 May 2024 21:13

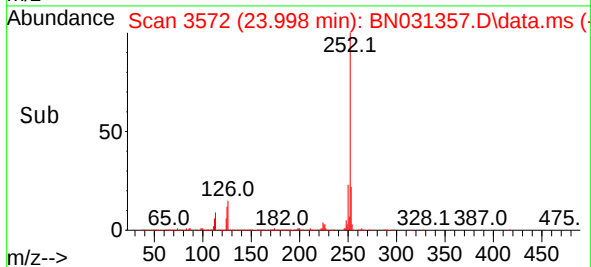
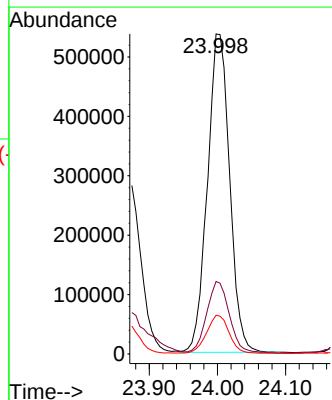
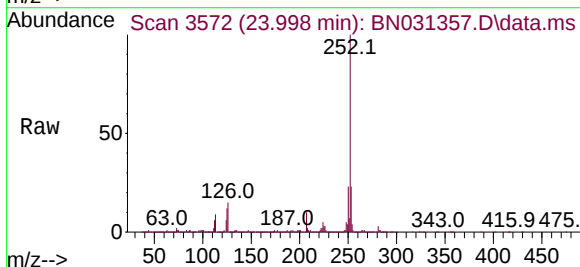
Tgt Ion:252 Resp: 1216324

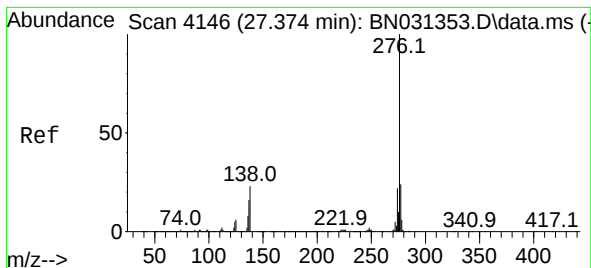
Ion Ratio Lower Upper

252 100

253 22.7 17.7 26.5

125 12.1 9.7 14.5





#94

Indeno(1,2,3-cd)pyrene

Concen: 15.362 ng/ul

RT: 27.368 min Scan# 4146

Delta R.T. -0.006 min

Lab File: BN031357.D

Acq: 01 May 2024 21:13

Instrument :

BNA_N

ClientSampleId :

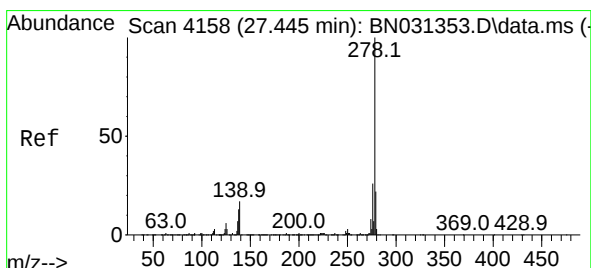
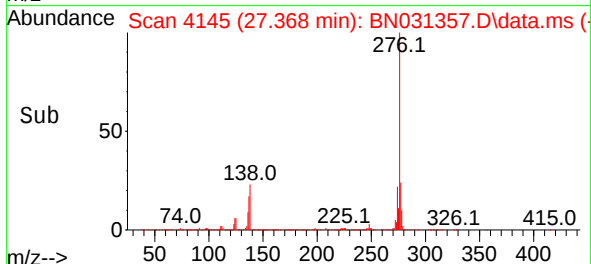
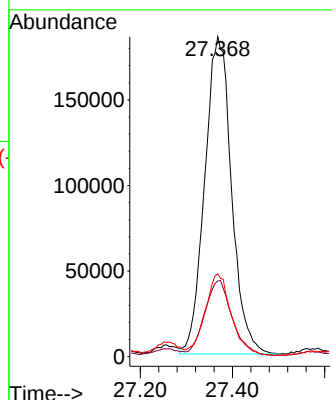
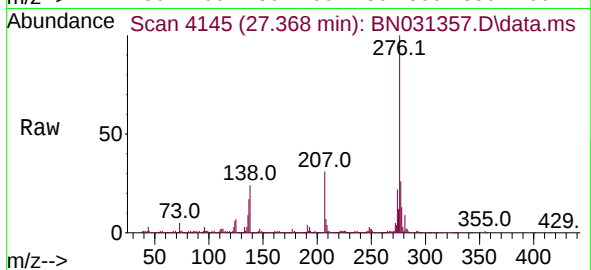
Tgt Ion:276 Resp: 749677

Ion Ratio Lower Upper

276 100

138 23.7 18.1 27.1

277 25.9 19.5 29.3



#95

Dibenzo(a,h)anthracene

Concen: 4.761 ng/ul

RT: 27.409 min Scan# 4152

Delta R.T. -0.035 min

Lab File: BN031357.D

Acq: 01 May 2024 21:13

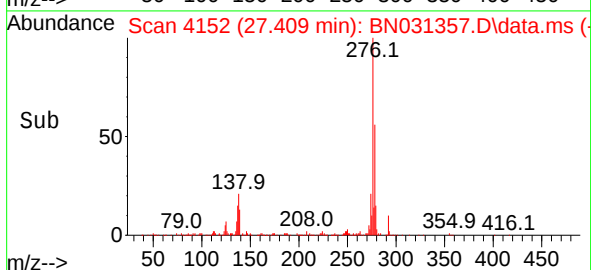
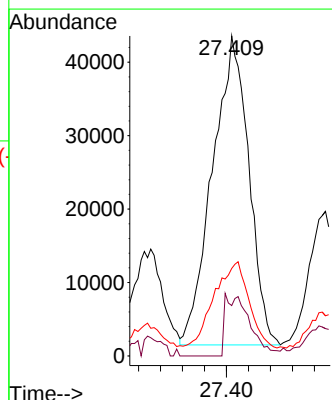
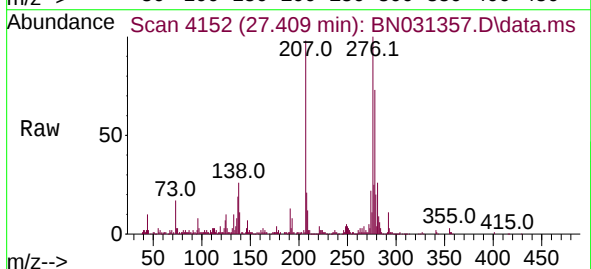
Tgt Ion:278 Resp: 193012

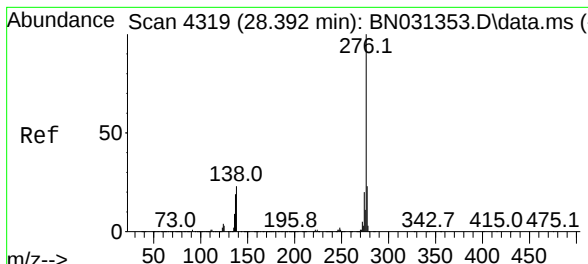
Ion Ratio Lower Upper

278 100

139 15.7 13.9 20.9

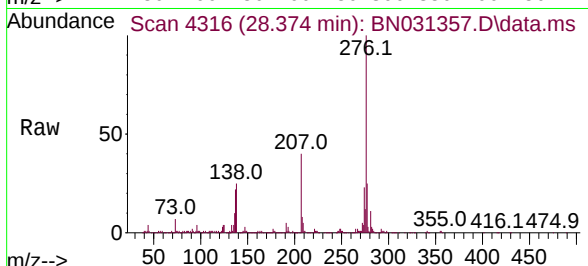
279 27.3 18.7 28.1





#96
 Benzo(g,h,i)perylene
 Concen: 8.587 ng/ul
 RT: 28.374 min Scan# 41
 Delta R.T. -0.018 min
 Lab File: BN031357.D
 Acq: 01 May 2024 21:13

Instrument :
 BNA_N
 ClientSampleId :



Tgt Ion: 276 Resp: 338009

Ion	Ratio	Lower	Upper
276	100		
138	24.7	18.8	28.2
277	24.7	18.0	27.0

