

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112824\
 Data File : BN035380.D
 Acq On : 28 Nov 2024 13:21
 Operator : RC/JU
 Sample : P4776-02
 Misc : MDL-WATER-QT4-2024
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-WATER-QT4-2024-08

Quant Time: Nov 29 01:47:51 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN111624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 26 06:09:15 2024
 Response via : Initial Calibration

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

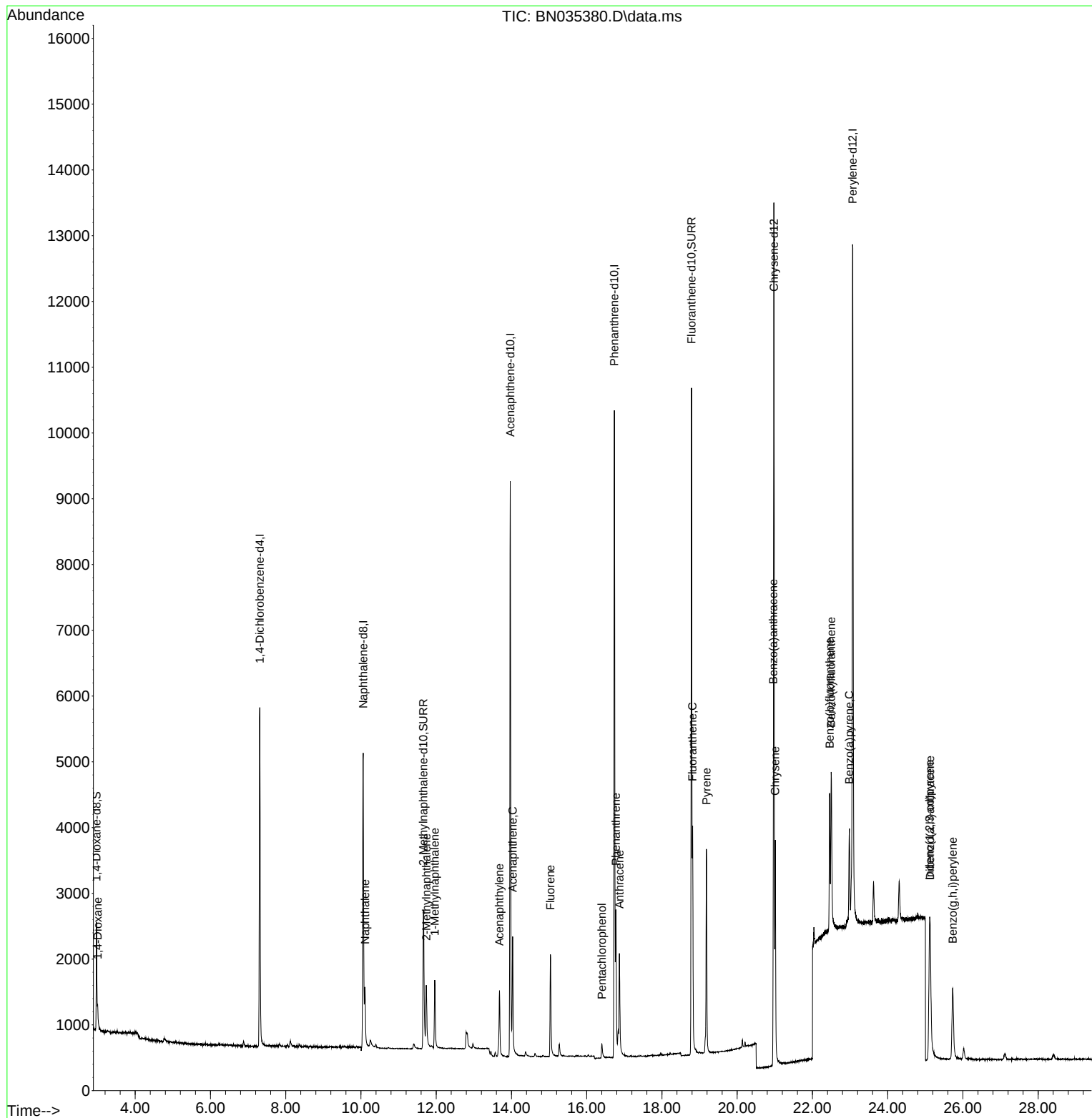
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.309	152	2777	0.400	ng/ul	0.00
4) Naphthalene-d8	10.058	136	7257	0.400	ng/ul	0.00
9) Acenaphthene-d10	13.967	164	5171	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.734	188	13024	0.400	ng/ul	# 0.00
17) Chrysene-d12	20.976	240	11800	0.400	ng/ul	# 0.00
23) Perylene-d12	23.071	264	13256	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.972	96	1322	0.521	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.659	152	3600	0.339	ng/ul	0.00
18) Fluoranthene-d10	18.786	212	12499	0.384	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.001	88	225	0.082	ng/ul#	85
5) Naphthalene	10.108	128	1157	0.063	ng/ul#	87
7) 2-Methylnaphthalene	11.736	142	792	0.062	ng/ul	99
8) 1-Methylnaphthalene	11.961	142	822	0.064	ng/ul	97
10) Acenaphthylene	13.680	152	1288	0.063	ng/ul#	89
11) Acenaphthene	14.032	153	1054	0.067	ng/ul	99
12) Fluorene	15.036	166	1215	0.066	ng/ul#	97
14) Pentachlorophenol	16.401	266	212	0.070	ng/ul	97
15) Phenanthrene	16.776	178	2265	0.066	ng/ul	93
16) Anthracene	16.869	178	1832	0.057	ng/ul#	91
19) Fluoranthene	18.814	202	2802	0.068	ng/ul#	89
20) Pyrene	19.181	202	2905	0.068	ng/ul#	86
21) Benzo(a)anthracene	20.961	228	2494	0.061	ng/ul	96
22) Chrysene	21.011	228	2866	0.070	ng/ul	99
24) Benzo(b)fluoranthene	22.457	252	2608	0.060	ng/ul#	78
25) Benzo(k)fluoranthene	22.498	252	3084	0.068	ng/ul#	73
26) Benzo(a)pyrene	22.980	252	2401	0.060	ng/ul#	71
27) Indeno(1,2,3-cd)pyrene	25.111	276	3208m	0.059	ng/ul	
28) Dibenzo(a,h)anthracene	25.128	278	2408m	0.057	ng/ul	
29) Benzo(g,h,i)perylene	25.728	276	2371	0.056	ng/ul#	84

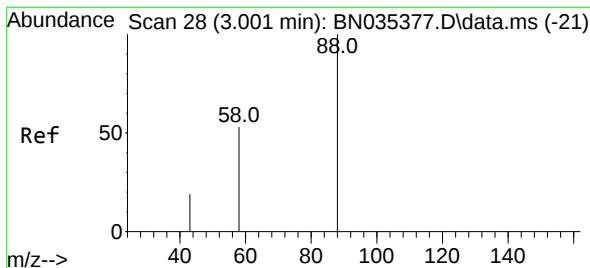
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 29 01:47:51 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN11624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 26 06:09:15 2024
Response via : Initial Calibration





#2

1,4-Dioxane

Concen: 0.082 ng/ul

RT: 3.001 min Scan# 21

Delta R.T. -0.004 min

Lab File: BN035380.D

Acq: 28 Nov 2024 13:21

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-QT4-2024-08

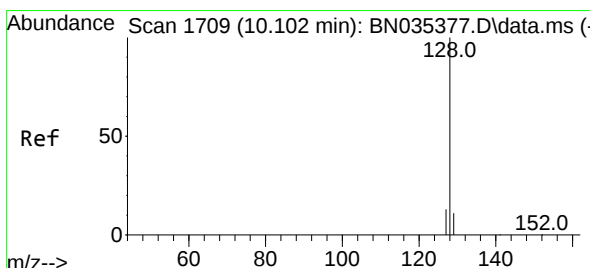
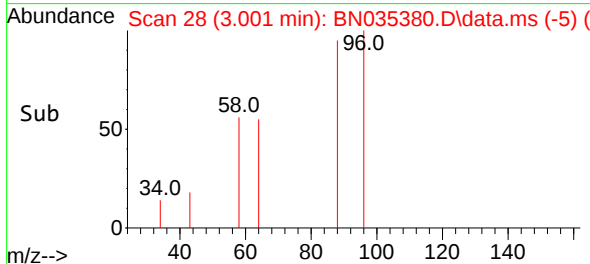
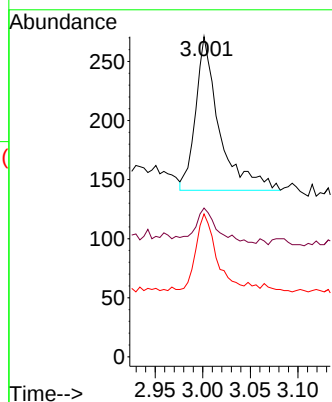
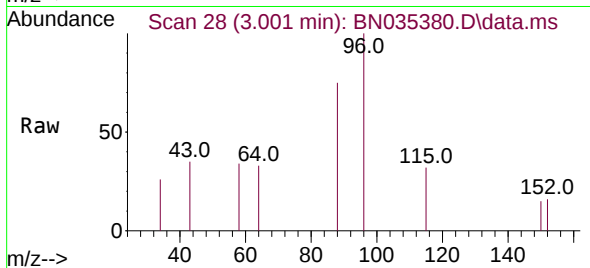
Tgt Ion: 88 Resp: 225

Ion Ratio Lower Upper

88 100

43 46.5 20.6 31.0#

58 44.6 36.2 54.4



#5

Naphthalene

Concen: 0.063 ng/ul

RT: 10.108 min Scan# 1710

Delta R.T. -0.000 min

Lab File: BN035380.D

Acq: 28 Nov 2024 13:21

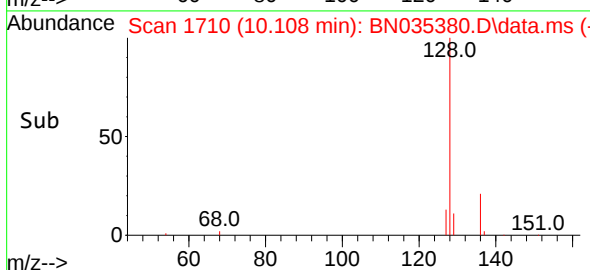
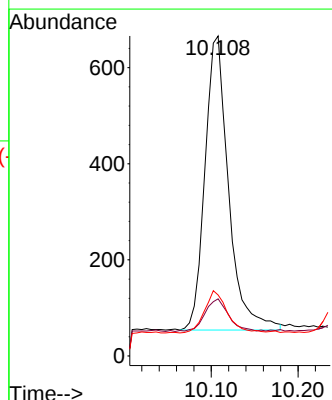
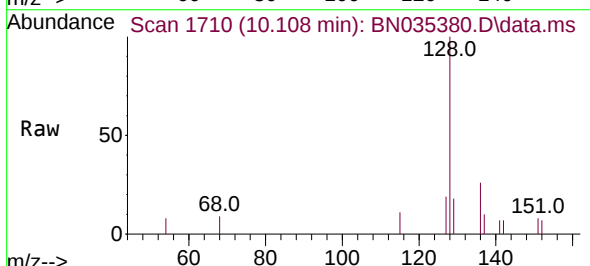
Tgt Ion: 128 Resp: 1157

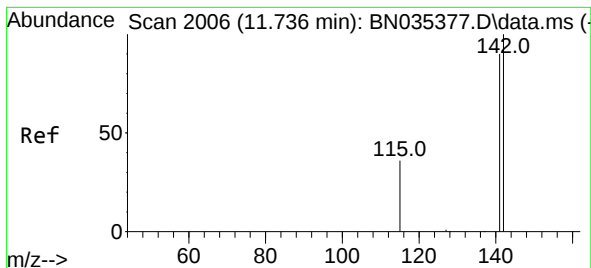
Ion Ratio Lower Upper

128 100

129 17.9 9.9 14.9#

127 19.1 11.4 17.2#





#7

2-Methylnaphthalene

Concen: 0.062 ng/ul

RT: 11.736 min Scan# 2006

Delta R.T. -0.006 min

Lab File: BN035380.D

Acq: 28 Nov 2024 13:21

Instrument :

BNA_N

ClientSampleId :

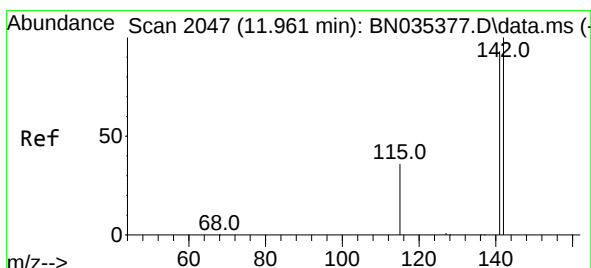
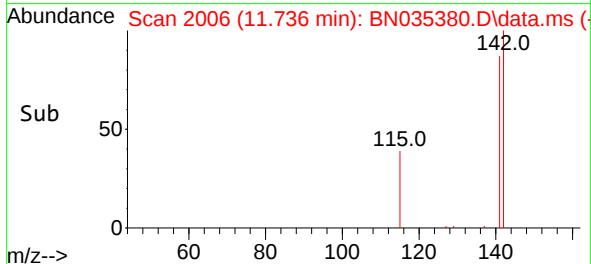
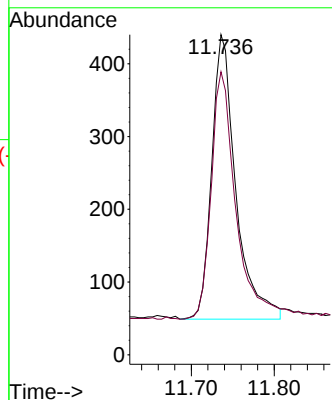
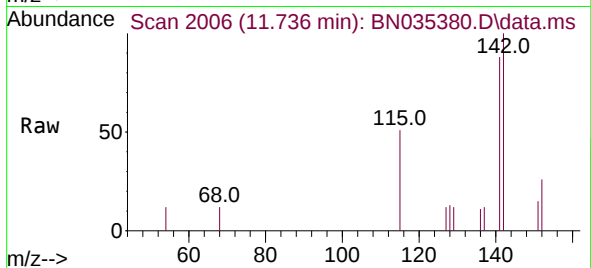
MDL-WATER-QT4-2024-08

Tgt Ion:142 Resp: 792

Ion Ratio Lower Upper

142 100

141 88.5 70.4 105.6



#8

1-Methylnaphthalene

Concen: 0.064 ng/ul

RT: 11.961 min Scan# 2047

Delta R.T. -0.006 min

Lab File: BN035380.D

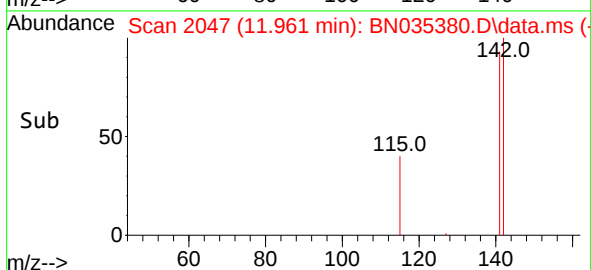
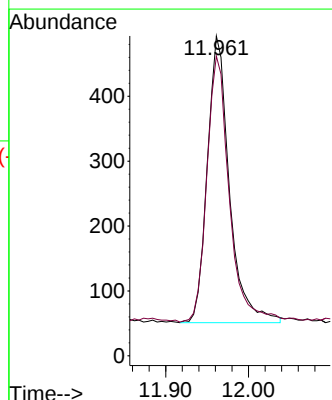
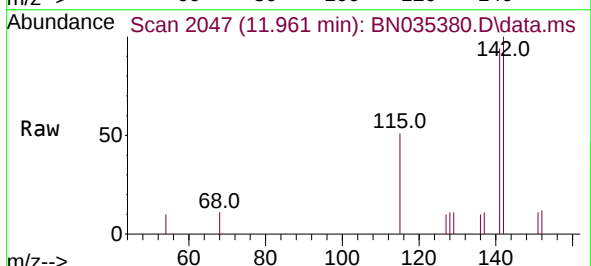
Acq: 28 Nov 2024 13:21

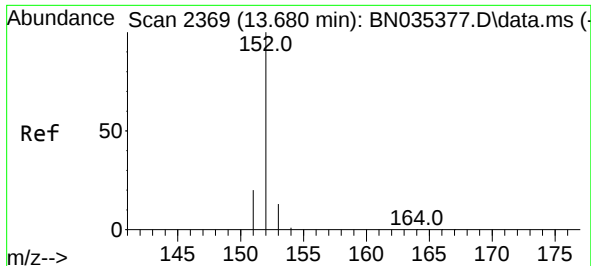
Tgt Ion:142 Resp: 822

Ion Ratio Lower Upper

142 100

141 93.8 73.1 109.7

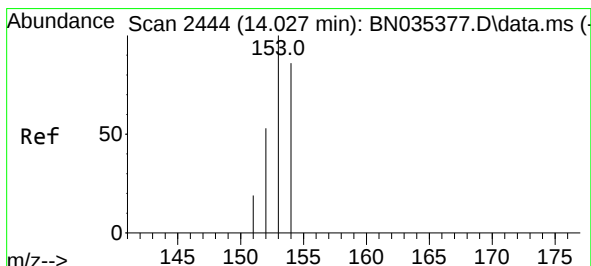
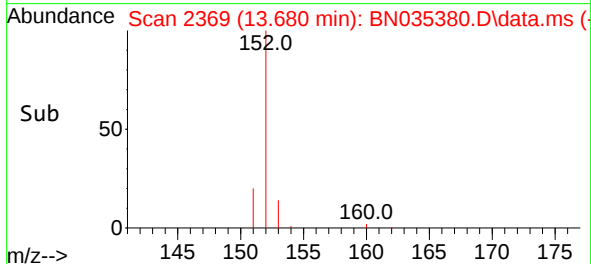
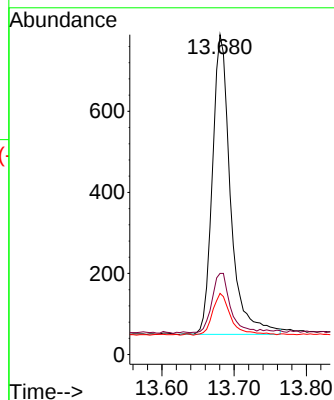
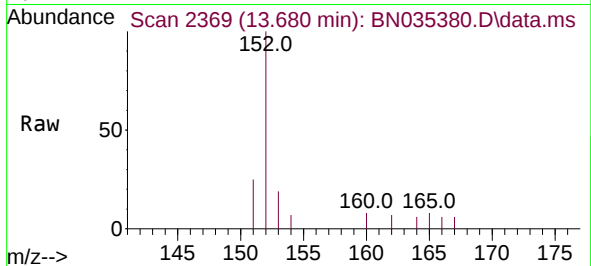




#10
Acenaphthylene
Concen: 0.063 ng/ul
RT: 13.680 min Scan# 21
Delta R.T. -0.005 min
Lab File: BN035380.D
Acq: 28 Nov 2024 13:21

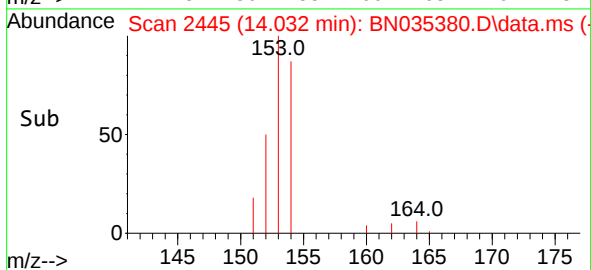
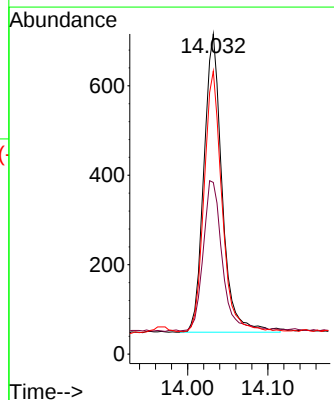
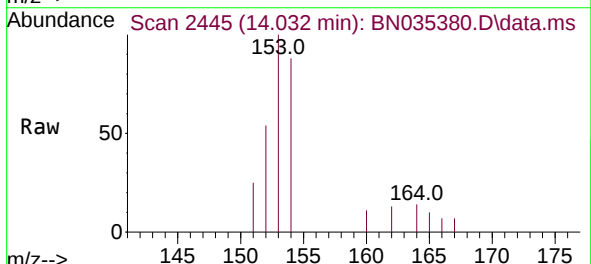
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT4-2024-08

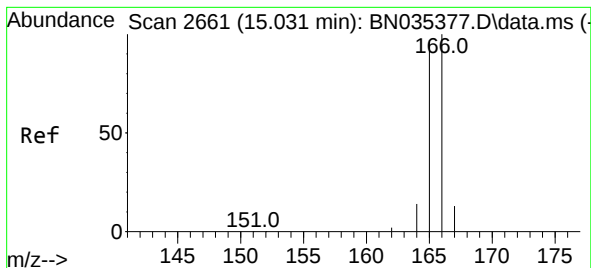
Tgt Ion:152 Resp: 1288
Ion Ratio Lower Upper
152 100
151 25.3 16.4 24.6#
153 19.1 11.1 16.7#



#11
Acenaphthene
Concen: 0.067 ng/ul
RT: 14.032 min Scan# 2445
Delta R.T. -0.005 min
Lab File: BN035380.D
Acq: 28 Nov 2024 13:21

Tgt Ion:153 Resp: 1054
Ion Ratio Lower Upper
153 100
152 53.6 41.4 62.0
154 88.4 71.2 106.8





#12

Fluorene

Concen: 0.066 ng/ul

RT: 15.036 min Scan# 2

Delta R.T. -0.000 min

Lab File: BN035380.D

Acq: 28 Nov 2024 13:21

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-QT4-2024-08

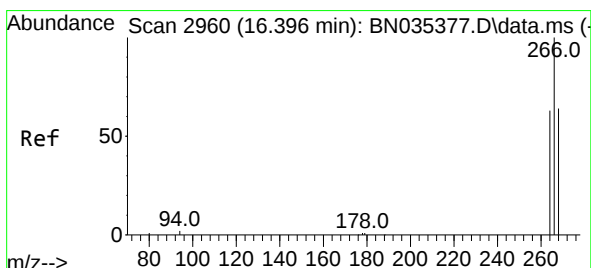
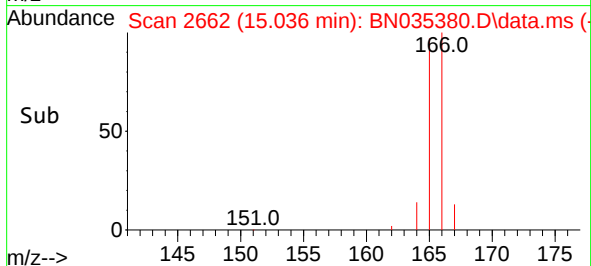
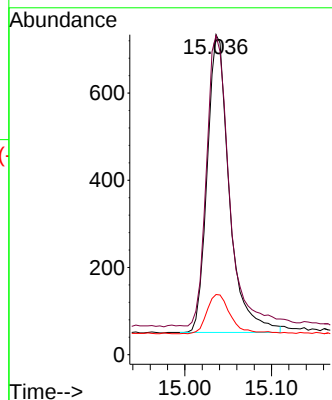
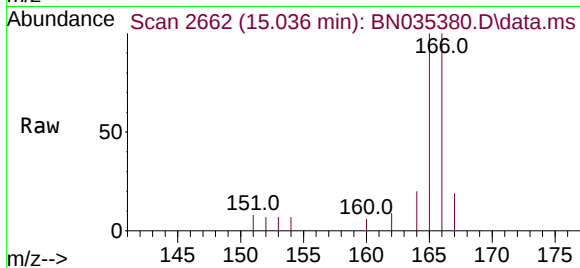
Tgt Ion:166 Resp: 1215

Ion Ratio Lower Upper

166 100

165 99.7 78.6 118.0

167 18.8 11.8 17.6#



#14

Pentachlorophenol

Concen: 0.070 ng/ul

RT: 16.401 min Scan# 2961

Delta R.T. -0.000 min

Lab File: BN035380.D

Acq: 28 Nov 2024 13:21

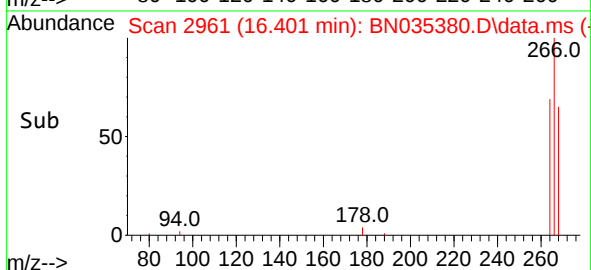
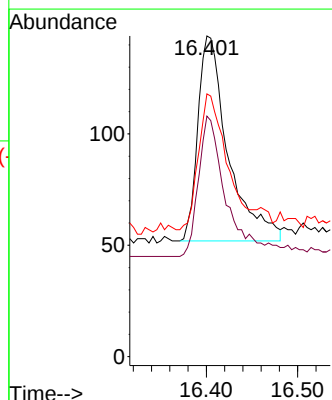
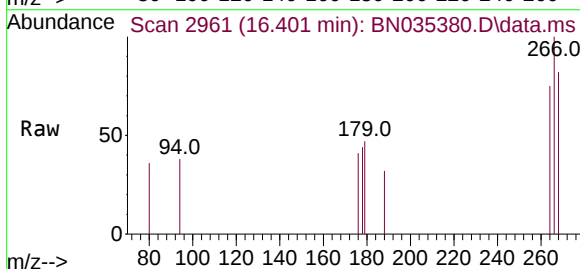
Tgt Ion:266 Resp: 212

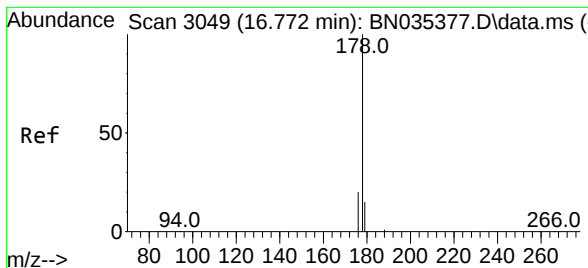
Ion Ratio Lower Upper

266 100

264 63.2 51.8 77.6

268 67.5 51.3 76.9





#15

Phenanthrene

Concen: 0.066 ng/ul

RT: 16.776 min Scan# 3049

Delta R.T. -0.004 min

Lab File: BN035380.D

Acq: 28 Nov 2024 13:21

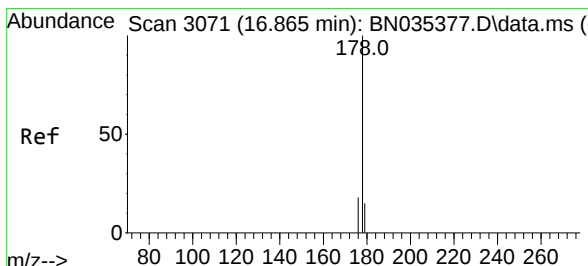
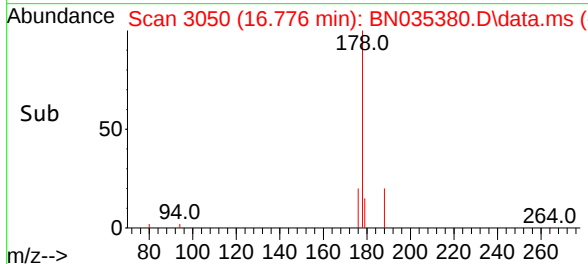
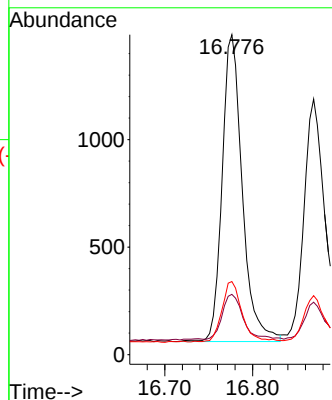
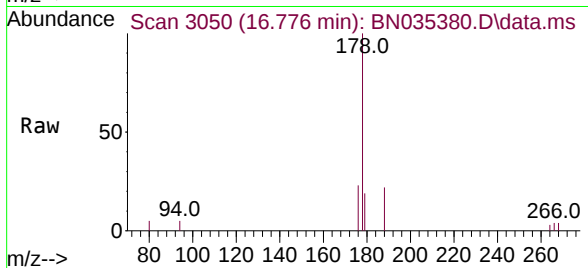
Instrument :

BNA_N

ClientSampleId :

MDL-WATER-QT4-2024-08

Tgt Ion:178	Resp:	2265
Ion	Ratio	Lower Upper
178	100	
179	18.8	12.9 19.3
176	22.8	15.6 23.4



#16

Anthracene

Concen: 0.057 ng/ul

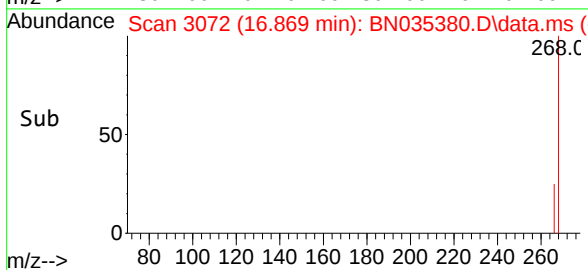
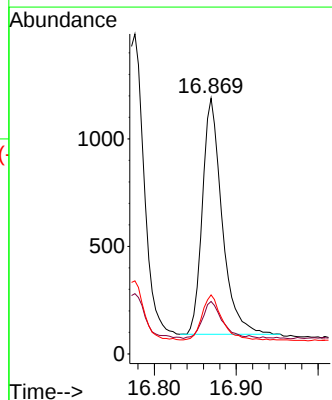
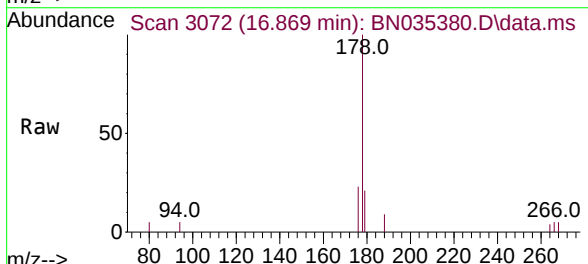
RT: 16.869 min Scan# 3072

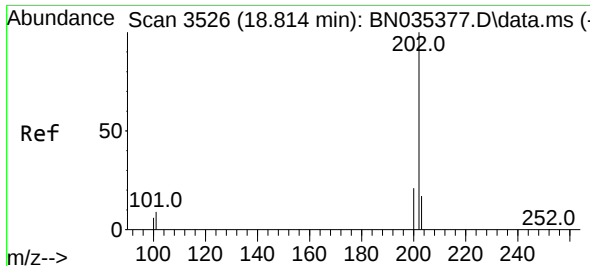
Delta R.T. -0.004 min

Lab File: BN035380.D

Acq: 28 Nov 2024 13:21

Tgt Ion:178	Resp:	1832
Ion	Ratio	Lower Upper
178	100	
179	20.5	12.9 19.3#
176	23.0	15.4 23.2

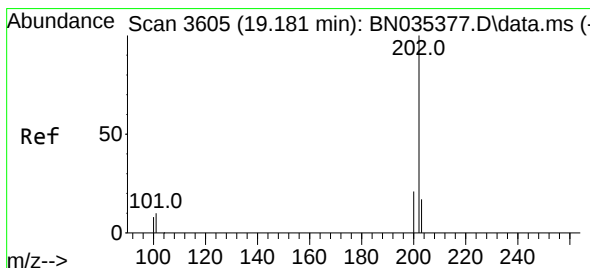
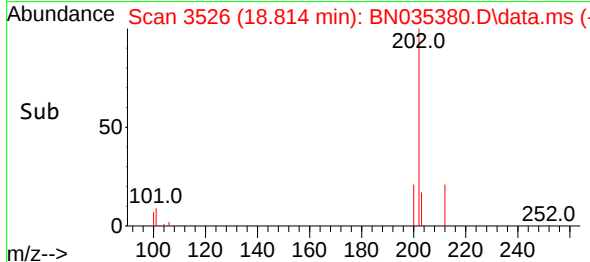
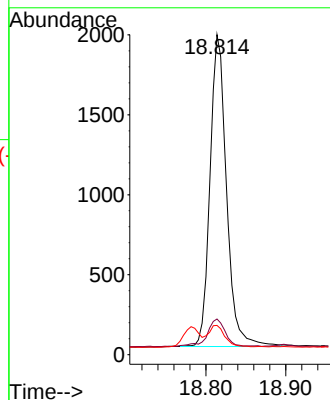
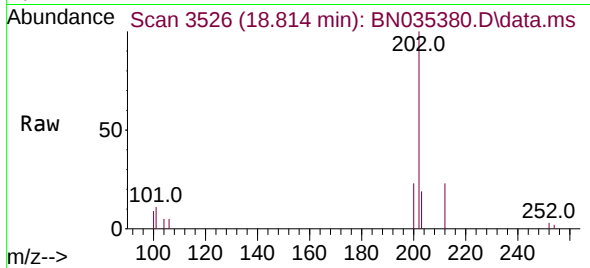




#19
Fluoranthene
Concen: 0.068 ng/ul
RT: 18.814 min Scan# 3526
Delta R.T. -0.005 min
Lab File: BN035380.D
Acq: 28 Nov 2024 13:21

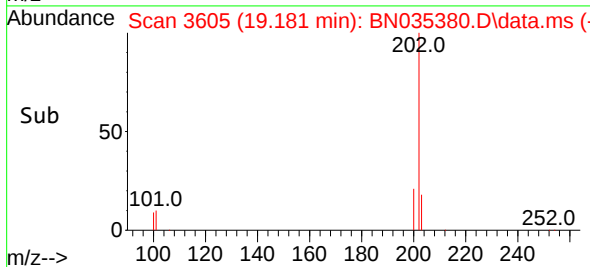
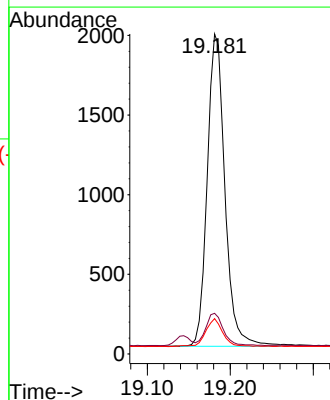
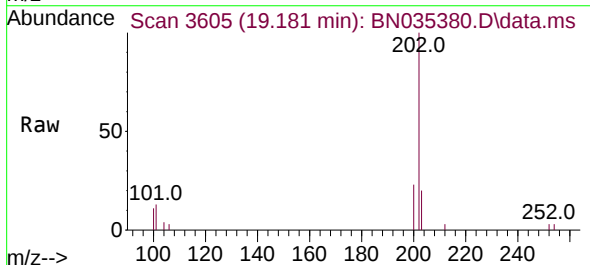
Instrument : BNA_N
ClientSampleId : MDL-WATER-QT4-2024-08

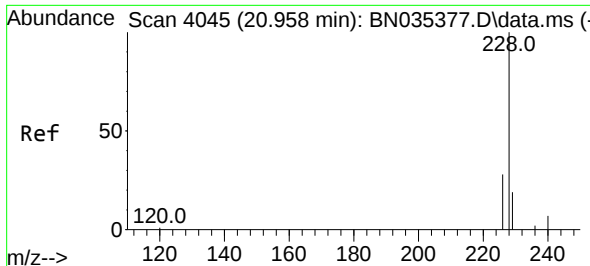
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.1	5.8	8.6#
100	9.1	4.5	6.7#



#20
Pyrene
Concen: 0.068 ng/ul
RT: 19.181 min Scan# 3605
Delta R.T. -0.005 min
Lab File: BN035380.D
Acq: 28 Nov 2024 13:21

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.7	6.2	9.4#
100	11.1	5.1	7.7#

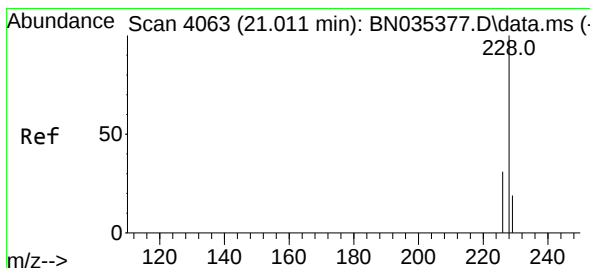
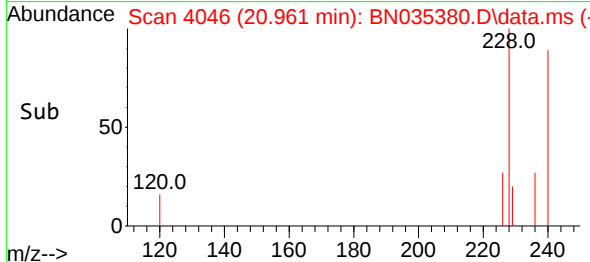
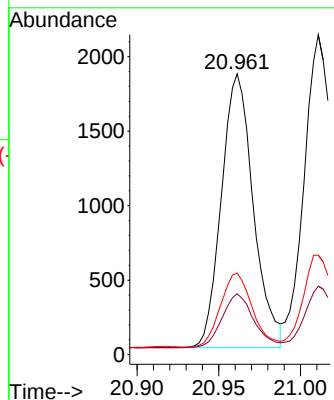
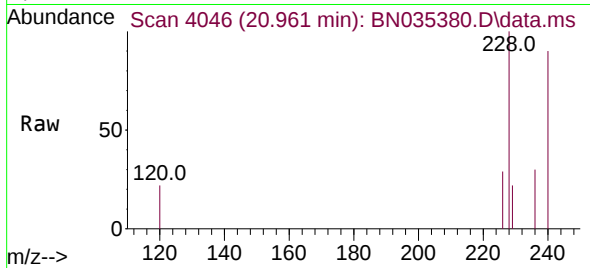




#21
Benzo(a)anthracene
Concen: 0.061 ng/ul
RT: 20.961 min Scan# 4045
Delta R.T. -0.003 min
Lab File: BN035380.D
Acq: 28 Nov 2024 13:21

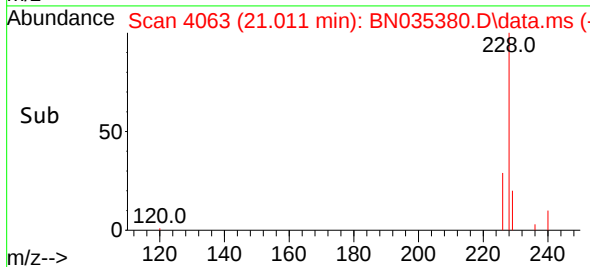
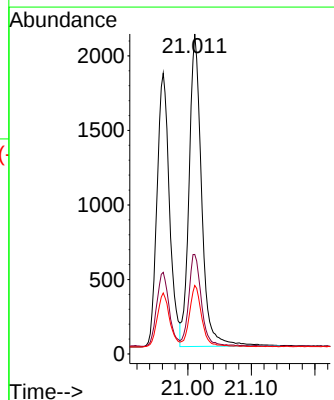
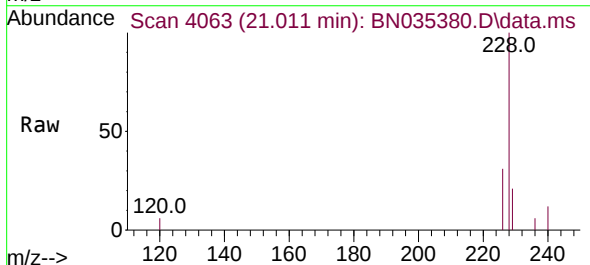
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT4-2024-08

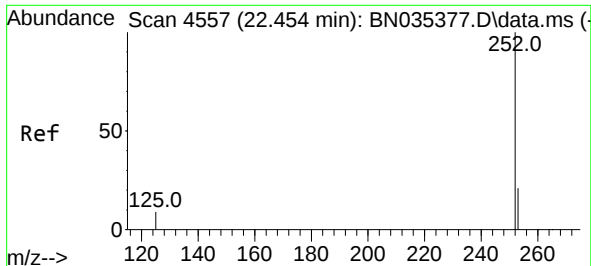
Tgt Ion:228	Resp:	2494
Ion Ratio	Lower	Upper
228	100	
229	21.7	15.8 23.8
226	29.1	21.8 32.8



#22
Chrysene
Concen: 0.070 ng/ul
RT: 21.011 min Scan# 4063
Delta R.T. -0.006 min
Lab File: BN035380.D
Acq: 28 Nov 2024 13:21

Tgt Ion:228	Resp:	2866
Ion Ratio	Lower	Upper
228	100	
226	31.1	24.7 37.1
229	21.4	16.0 24.0

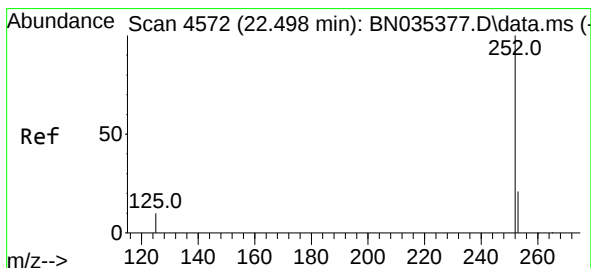
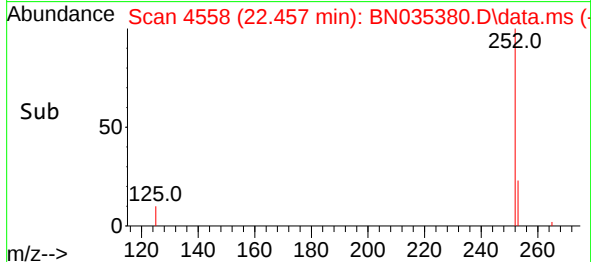
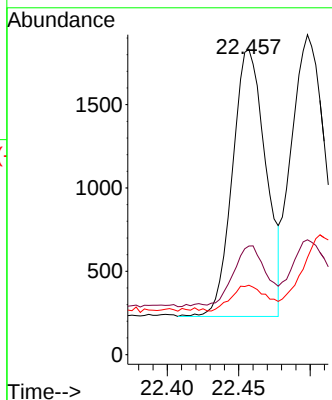
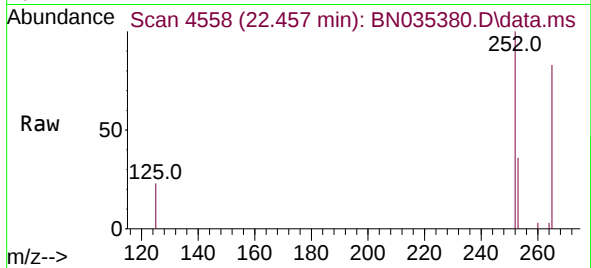




#24
Benzo(b)fluoranthene
Concen: 0.060 ng/ul
RT: 22.457 min Scan# 4558
Delta R.T. -0.006 min
Lab File: BN035380.D
Acq: 28 Nov 2024 13:21

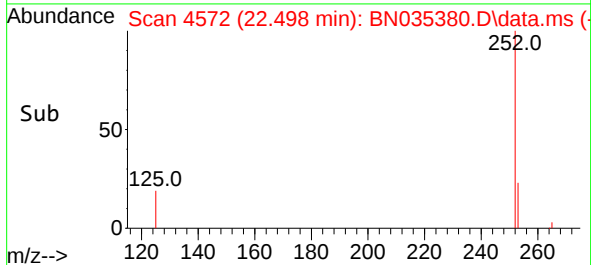
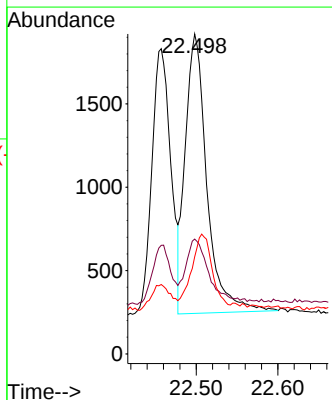
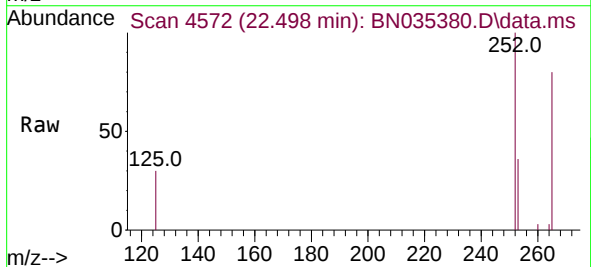
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT4-2024-08

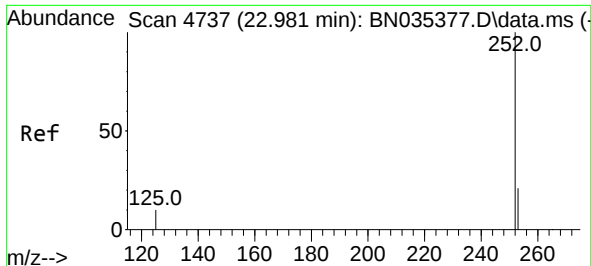
Tgt Ion:252 Resp: 2608
Ion Ratio Lower Upper
252 100
253 35.6 0.0 54.0
125 22.7 0.0 19.4#



#25
Benzo(k)fluoranthene
Concen: 0.068 ng/ul
RT: 22.498 min Scan# 4572
Delta R.T. -0.006 min
Lab File: BN035380.D
Acq: 28 Nov 2024 13:21

Tgt Ion:252 Resp: 3084
Ion Ratio Lower Upper
252 100
253 35.9 21.8 32.6#
125 30.3 8.6 12.8#

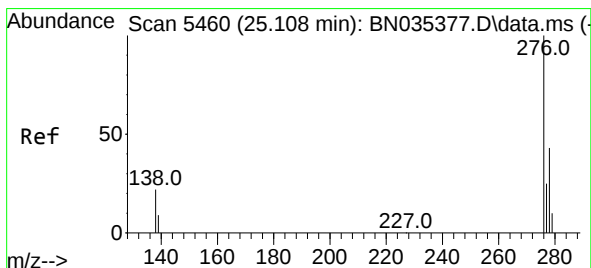
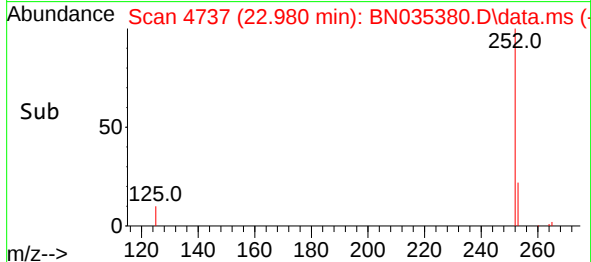
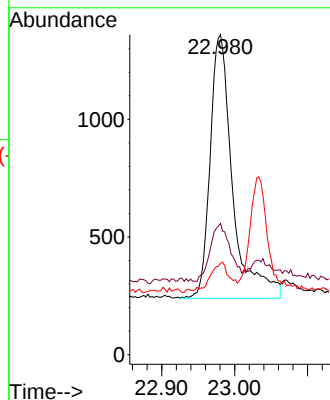
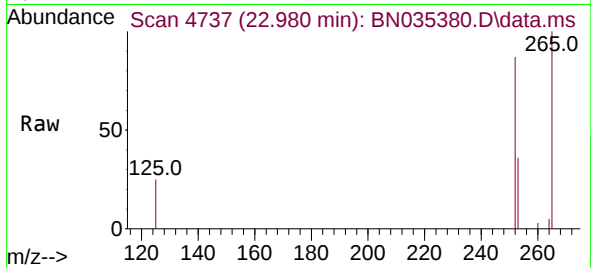




#26
Benzo(a)pyrene
Concen: 0.060 ng/ul
RT: 22.980 min Scan# 4737
Delta R.T. -0.006 min
Lab File: BN035380.D
Acq: 28 Nov 2024 13:21

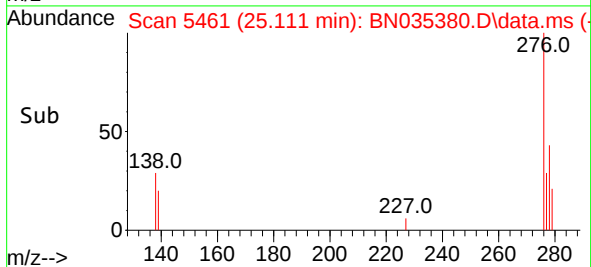
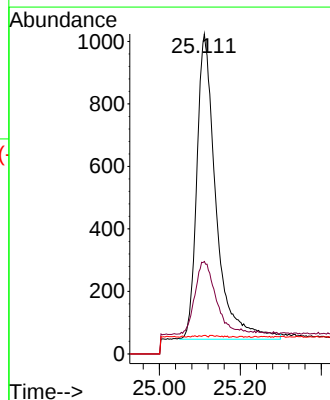
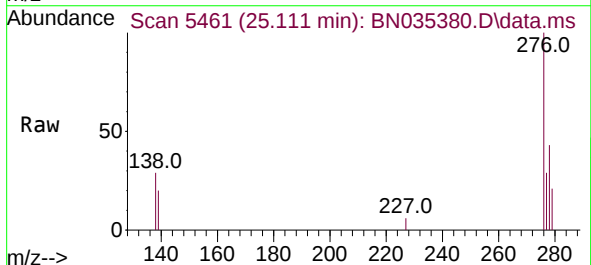
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT4-2024-08

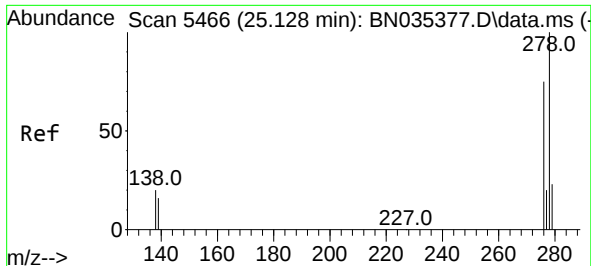
Tgt Ion:252 Resp: 2401
Ion Ratio Lower Upper
252 100
253 41.0 22.9 34.3#
125 28.5 9.4 14.2#



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.059 ng/ul m
RT: 25.111 min Scan# 5461
Delta R.T. -0.010 min
Lab File: BN035380.D
Acq: 28 Nov 2024 13:21

Tgt Ion:276 Resp: 3208
Ion Ratio Lower Upper
276 100
138 25.2 13.8 20.8#
227 30.8 0.2 0.4#

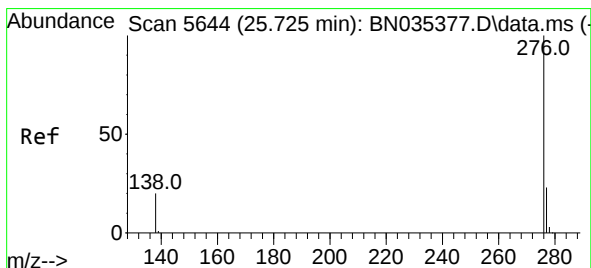
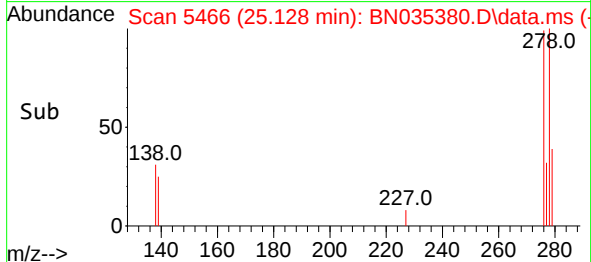
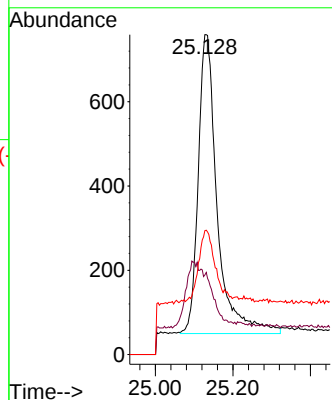
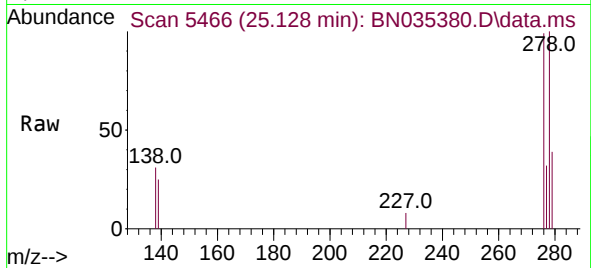




#28
Dibenzo(a,h)anthracene
Concen: 0.057 ng/ul m
RT: 25.128 min Scan# 5466
Delta R.T. -0.010 min
Lab File: BN035380.D
Acq: 28 Nov 2024 13:21

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT4-2024-08

Tgt Ion:278 Resp: 2408
Ion Ratio Lower Upper
278 100
139 24.9 10.7 16.1#
279 38.7 22.8 34.2#



#29
Benzo(g,h,i)perylene
Concen: 0.056 ng/ul
RT: 25.728 min Scan# 5645
Delta R.T. -0.007 min
Lab File: BN035380.D
Acq: 28 Nov 2024 13:21

Tgt Ion:276 Resp: 2371
Ion Ratio Lower Upper
276 100
138 27.3 13.0 19.6#
277 30.5 20.5 30.7

