

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082523\
 Data File : BN027132.D
 Acq On : 25 Aug 2023 23:23
 Operator : MA/JU
 Sample : 04025-02
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW179D2-20230814

Quant Time: Aug 26 02:19:08 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Aug 26 02:13:59 2023
 Response via : Initial Calibration

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

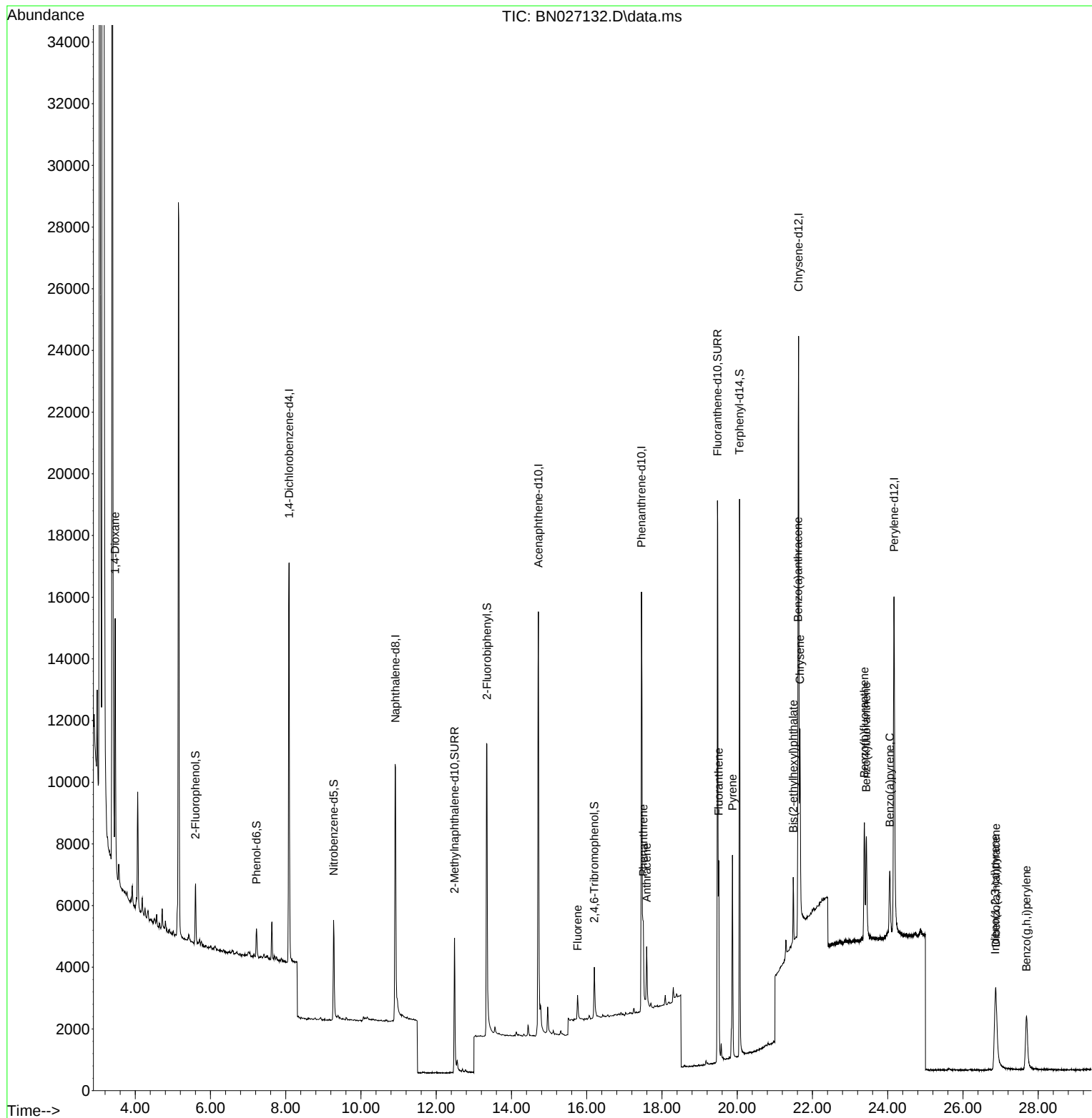
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.088	152	6444	0.400	ng	0.00
7) Naphthalene-d8	10.917	136	14600	0.400	ng	0.01
13) Acenaphthene-d10	14.715	164	9710	0.400	ng	0.01
19) Phenanthrene-d10	17.455	188	22706	0.400	ng	# 0.00
29) Chrysene-d12	21.632	240	19287	0.400	ng	0.00
35) Perylene-d12	24.168	264	18871	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.603	112	1645	0.091	ng	0.00
5) Phenol-d6	7.221	99	1013	0.045	ng	0.00
8) Nitrobenzene-d5	9.272	82	3238	0.262	ng	0.00
11) 2-Methylnaphthalene-d10	12.487	152	6922	0.298	ng	0.00
14) 2,4,6-Tribromophenol	16.201	330	1108	0.214	ng	0.00
15) 2-Fluorobiphenyl	13.347	172	10988	0.305	ng	0.01
27) Fluoranthene-d10	19.476	212	21101	0.362	ng	0.00
31) Terphenyl-d14	20.062	244	18001	0.447	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.465	88	5614	0.810	ng	# 92
18) Fluorene	15.755	166	840	0.022	ng	97
25) Phenanthrene	17.505	178	3174	0.049	ng	98
26) Anthracene	17.592	178	2515	0.041	ng	99
28) Fluoranthene	19.509	202	5790	0.075	ng	# 97
30) Pyrene	19.871	202	6121	0.082	ng	99
32) Benzo(a)anthracene	21.614	228	5025	0.072	ng	98
33) Chrysene	21.667	228	5616	0.080	ng	97
34) Bis(2-ethylhexyl)phtha...	21.488	149	2303	0.046	ng	# 94
36) Indeno(1,2,3-cd)pyrene	26.855	276	5068	0.066	ng	# 85
37) Benzo(b)fluoranthene	23.379	252	5702	0.090	ng	# 67
38) Benzo(k)fluoranthene	23.431	252	5389	0.083	ng	# 62
39) Benzo(a)pyrene	24.054	252	4322	0.068	ng	# 45
40) Dibenzo(a,h)anthracene	26.875	278	3957	0.064	ng	# 70
41) Benzo(g,h,i)perylene	27.688	276	4812	0.073	ng	# 86

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

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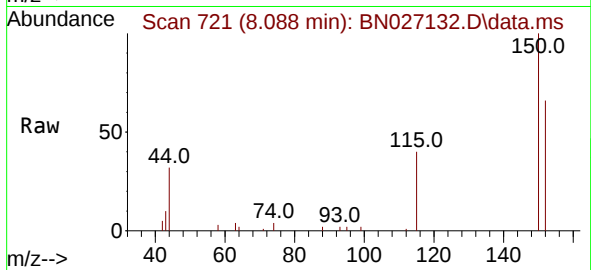
Quant Time: Aug 26 02:19:08 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081123.M
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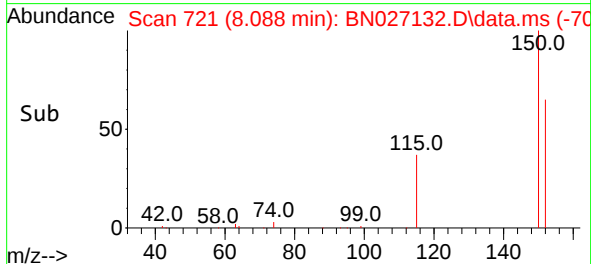
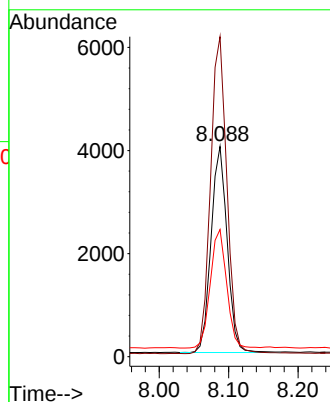
#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 8.088 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: BN027132.D
 Acq: 25 Aug 2023 23:23

Instrument :
 BNA_N
 ClientSampleId :
 MW179D2-20230814



Tgt Ion:152 Resp: 6444

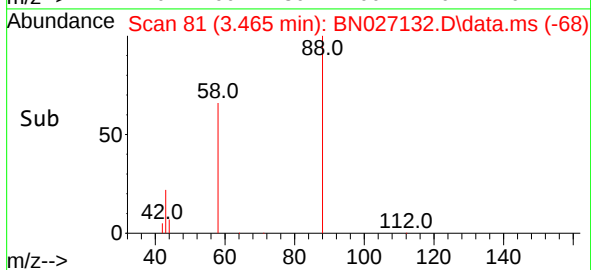
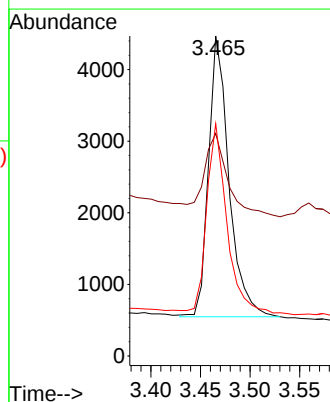
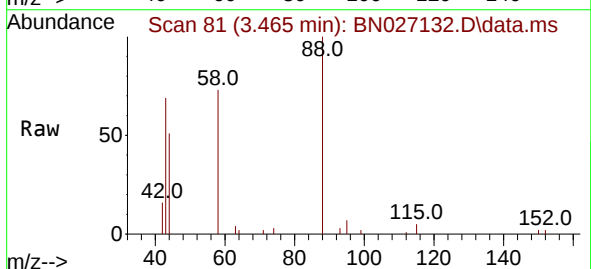
Ion	Ratio	Lower	Upper
152	100		
150	152.2	123.8	185.6
115	60.5	49.7	74.5



#2
 1,4-Dioxane
 Concen: 0.810 ng
 RT: 3.465 min Scan# 81
 Delta R.T. -0.007 min
 Lab File: BN027132.D
 Acq: 25 Aug 2023 23:23

Tgt Ion: 88 Resp: 5614

Ion	Ratio	Lower	Upper
88	100		
43	34.7	19.2	28.8#
58	65.9	54.5	81.7

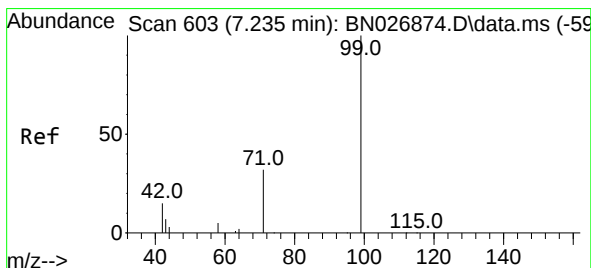
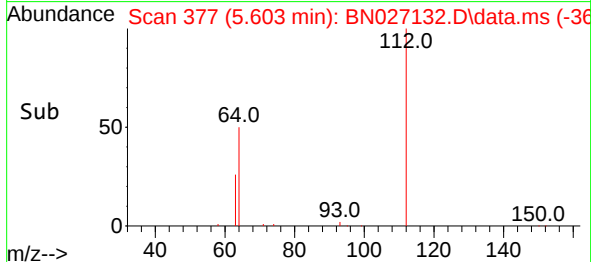
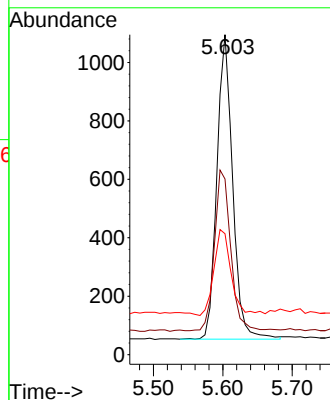
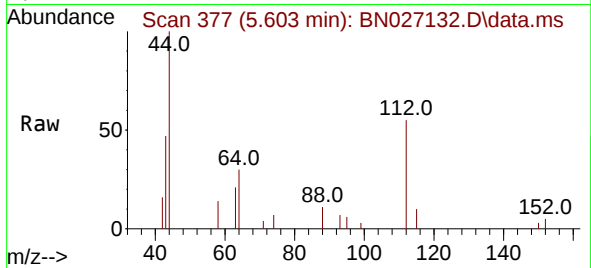




#4
2-Fluorophenol
Concen: 0.091 ng
RT: 5.603 min Scan# 31
Delta R.T. -0.000 min
Lab File: BN027132.D
Acq: 25 Aug 2023 23:23

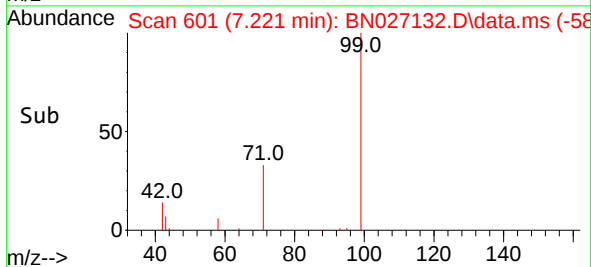
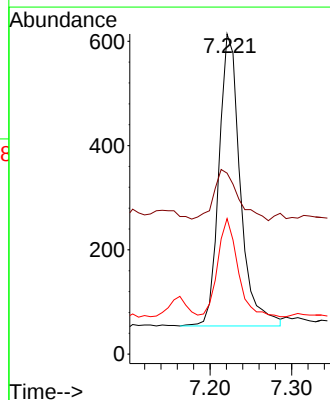
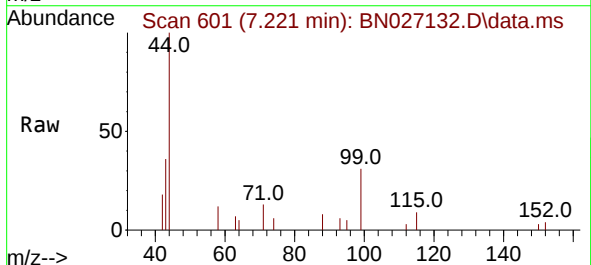
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Tgt Ion:	112	Resp:	1645
Ion	Ratio	Lower	Upper
112	100		
64	54.0	41.5	62.3
63	30.9	21.7	32.5



#5
Phenol-d6
Concen: 0.045 ng
RT: 7.221 min Scan# 601
Delta R.T. -0.000 min
Lab File: BN027132.D
Acq: 25 Aug 2023 23:23

Tgt Ion:	99	Resp:	1013
Ion	Ratio	Lower	Upper
99	100		
42	19.9	13.6	20.4
71	31.8	26.0	39.0

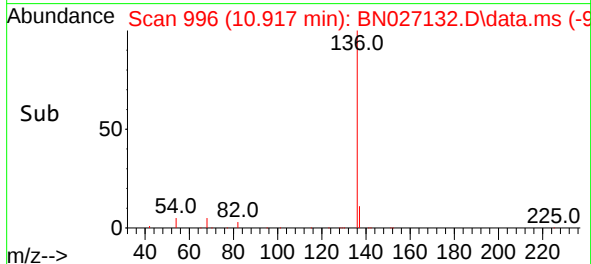
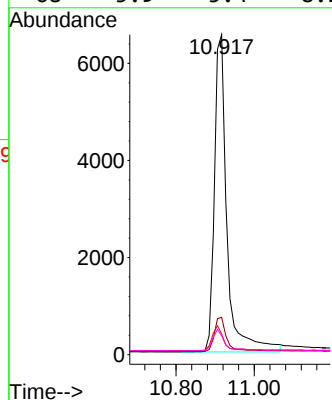
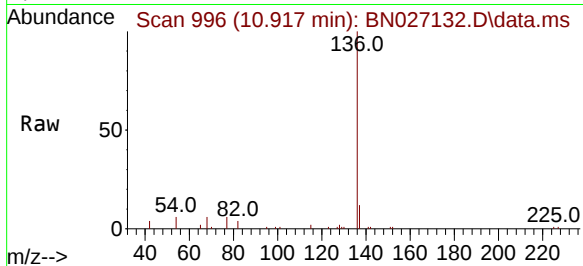




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.917 min Scan# 998
Delta R.T. 0.011 min
Lab File: BN027132.D
Acq: 25 Aug 2023 23:23

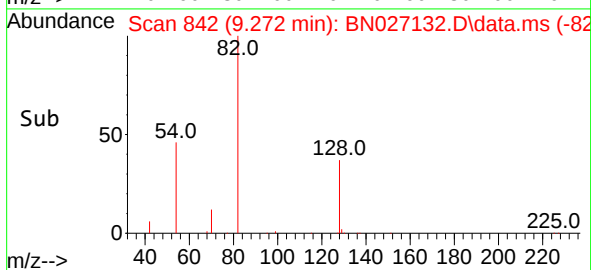
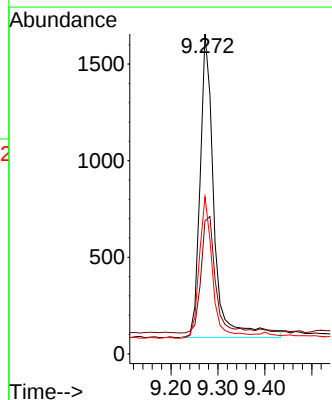
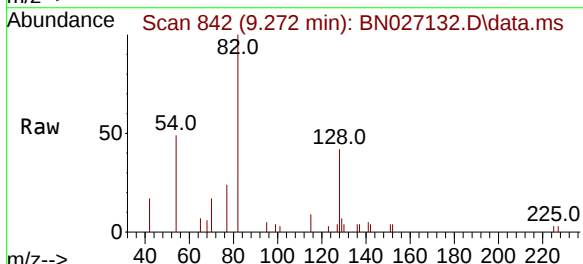
Instrument :
BNA_N
ClientSampleId :
MW179D2-20230814

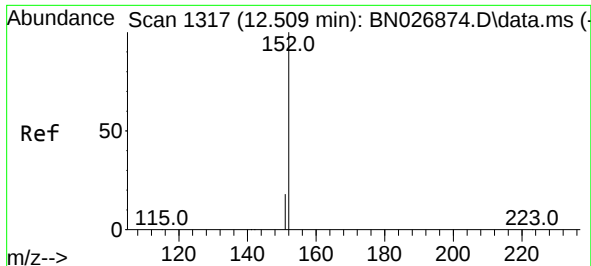
Tgt Ion:	136	Resp:	14600
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.0	13.6
54	6.4	5.5	8.3
68	5.9	5.4	8.2



#8
Nitrobenzene-d5
Concen: 0.262 ng
RT: 9.272 min Scan# 842
Delta R.T. -0.000 min
Lab File: BN027132.D
Acq: 25 Aug 2023 23:23

Tgt Ion:	82	Resp:	3238
Ion	Ratio	Lower	Upper
82	100		
128	41.6	34.1	51.1
54	49.1	37.0	55.4





#11

2-Methylnaphthalene-d10

Concen: 0.298 ng

RT: 12.487 min Scan# 11

Delta R.T. 0.004 min

Lab File: BN027132.D

Acq: 25 Aug 2023 23:23

Instrument :

BNA_N

ClientSampleId :

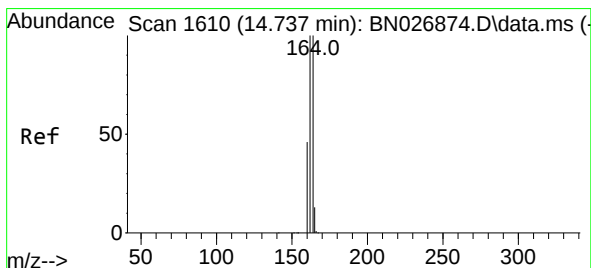
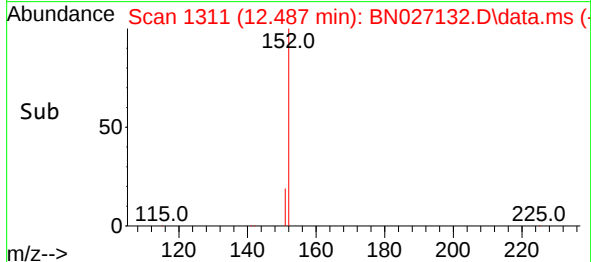
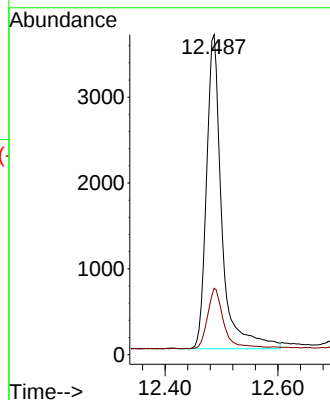
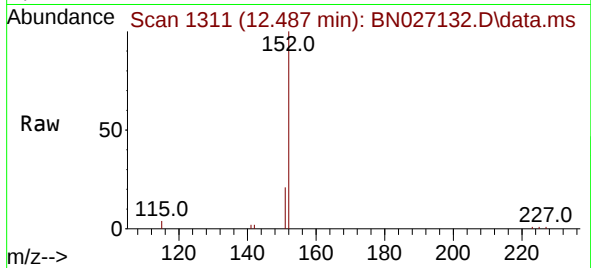
MW179D2-20230814

Tgt Ion:152 Resp: 6922

Ion Ratio Lower Upper

152 100

151 20.6 16.3 24.5



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.715 min Scan# 1608

Delta R.T. 0.011 min

Lab File: BN027132.D

Acq: 25 Aug 2023 23:23

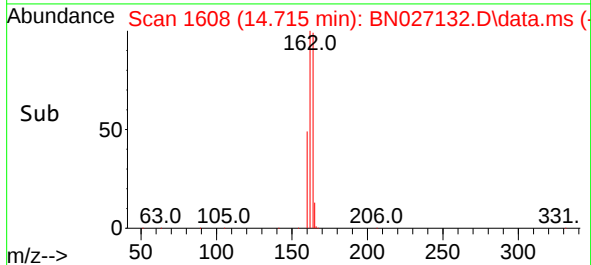
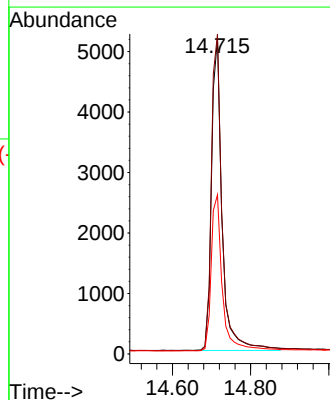
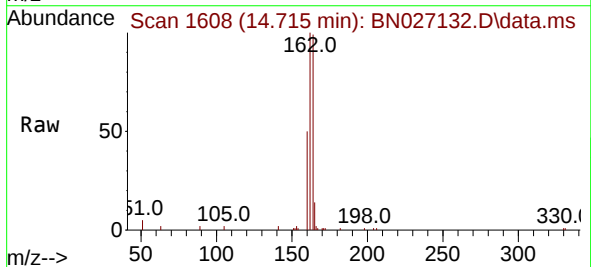
Tgt Ion:164 Resp: 9710

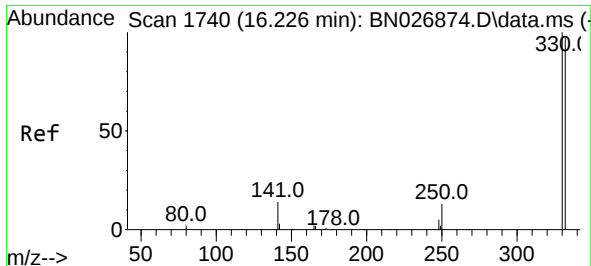
Ion Ratio Lower Upper

164 100

162 101.4 79.7 119.5

160 50.5 37.4 56.0

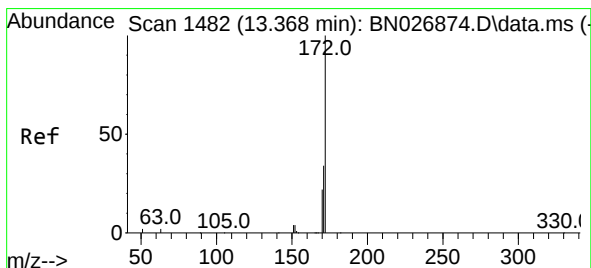
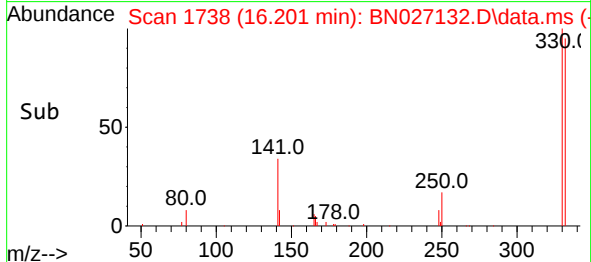
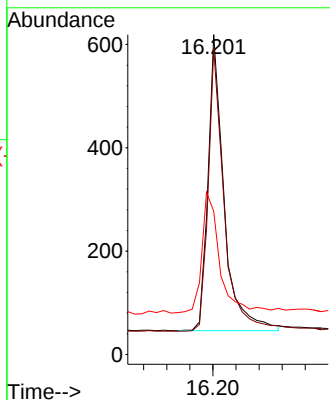
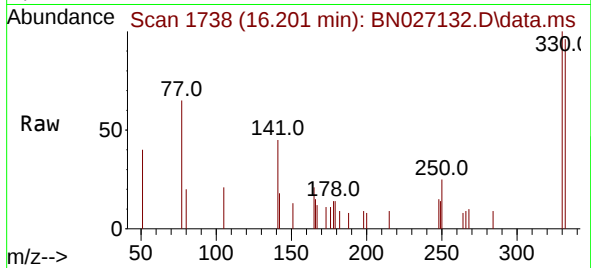




#14
2,4,6-Tribromophenol
Concen: 0.214 ng
RT: 16.201 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN027132.D
Acq: 25 Aug 2023 23:23

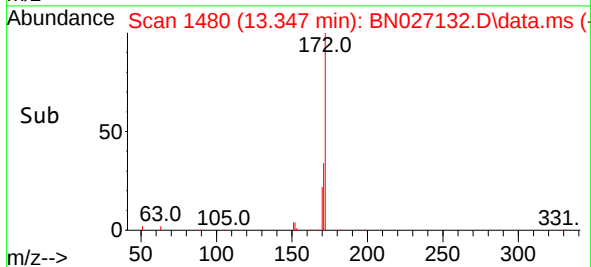
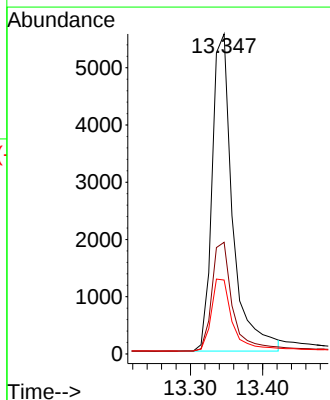
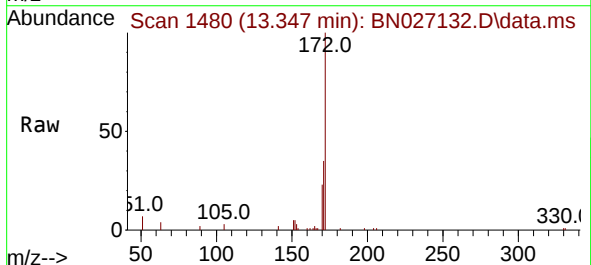
Instrument :
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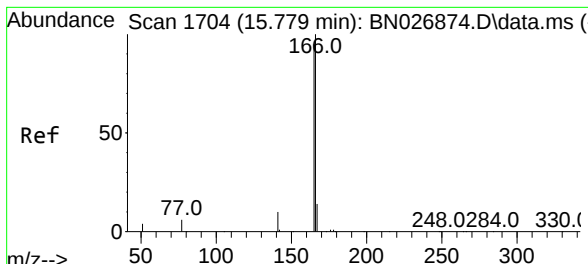
Tgt Ion:330 Resp: 1108
Ion Ratio Lower Upper
330 100
332 93.6 76.6 114.8
141 44.9 32.3 48.5



#15
2-Fluorobiphenyl
Concen: 0.305 ng
RT: 13.347 min Scan# 1480
Delta R.T. 0.011 min
Lab File: BN027132.D
Acq: 25 Aug 2023 23:23

Tgt Ion:172 Resp: 10988
Ion Ratio Lower Upper
172 100
171 34.9 27.4 41.0
170 23.1 18.0 27.0

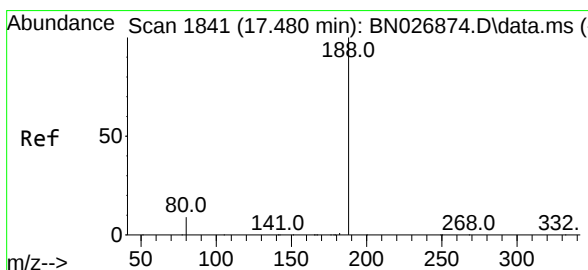
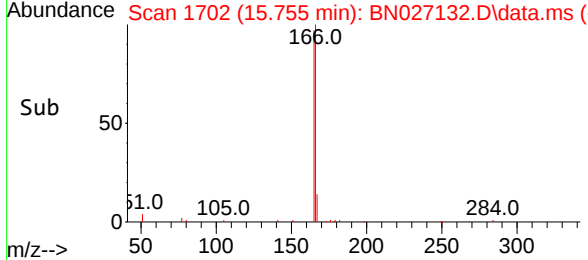
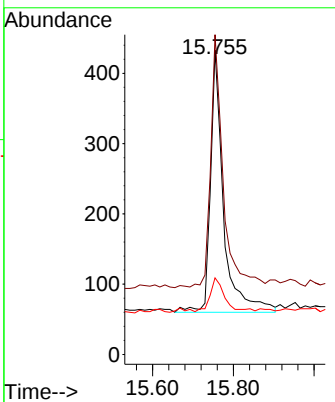
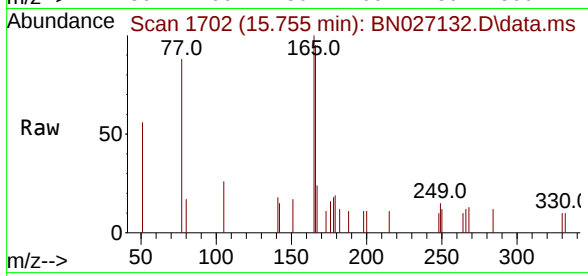




#18
 Fluorene
 Concen: 0.022 ng
 RT: 15.755 min Scan# 1702
 Delta R.T. -0.000 min
 Lab File: BN027132.D
 Acq: 25 Aug 2023 23:23

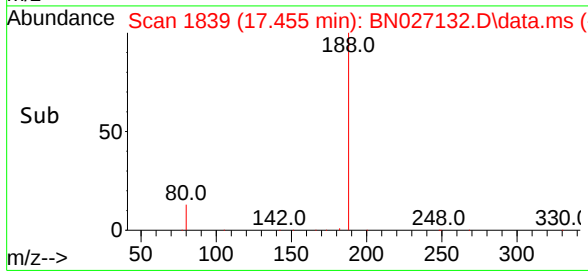
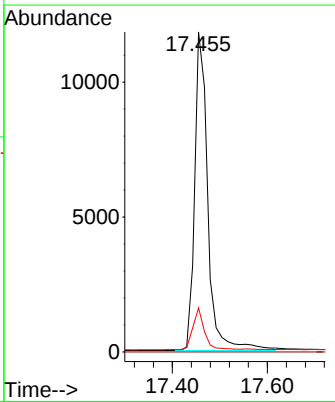
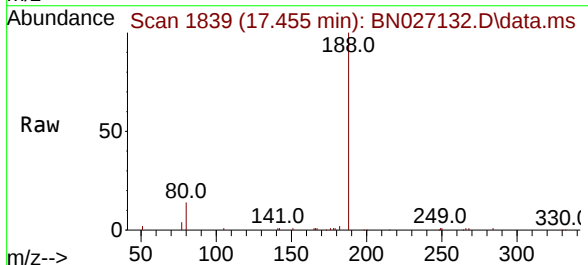
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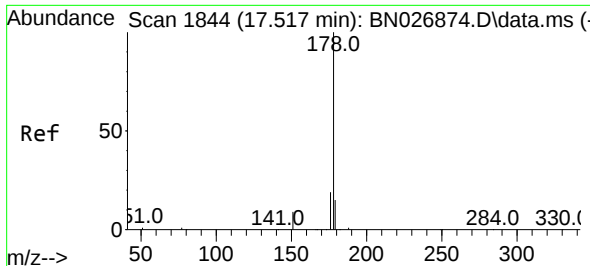
Tgt Ion:	166	Resp:	840
Ion Ratio	Lower	Upper	
166	100		
165	93.1	77.4	116.2
167	14.0	10.9	16.3



#19
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.455 min Scan# 1839
 Delta R.T. -0.000 min
 Lab File: BN027132.D
 Acq: 25 Aug 2023 23:23

Tgt Ion:	188	Resp:	22706
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	13.8	7.4	11.2

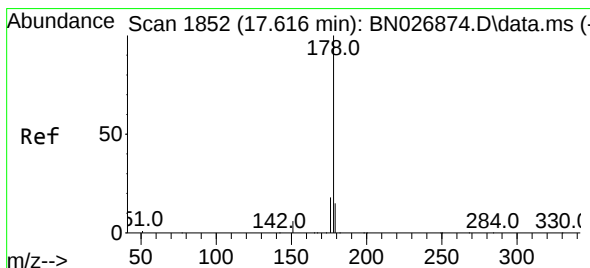
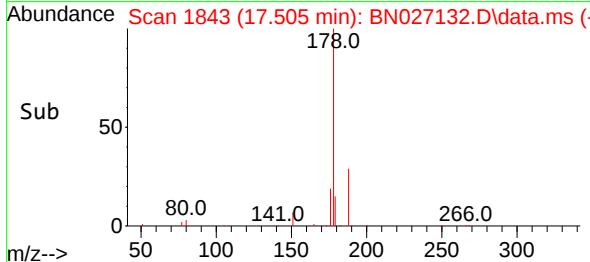
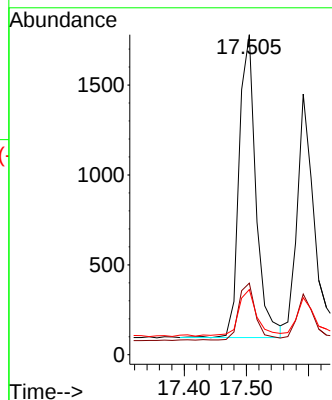
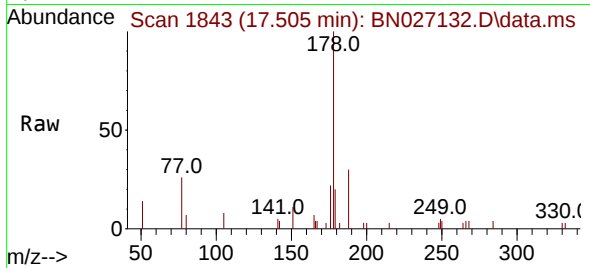




#25
Phenanthrene
Concen: 0.049 ng
RT: 17.505 min Scan# 1843
Delta R.T. 0.012 min
Lab File: BN027132.D
Acq: 25 Aug 2023 23:23

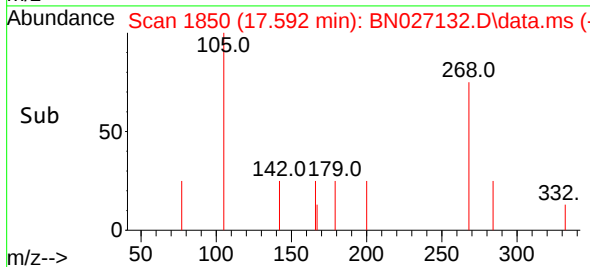
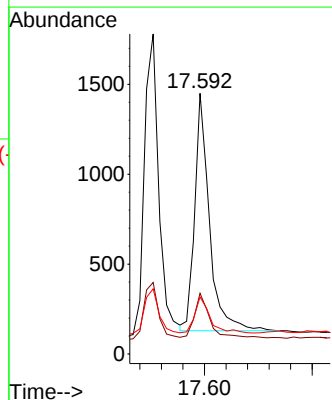
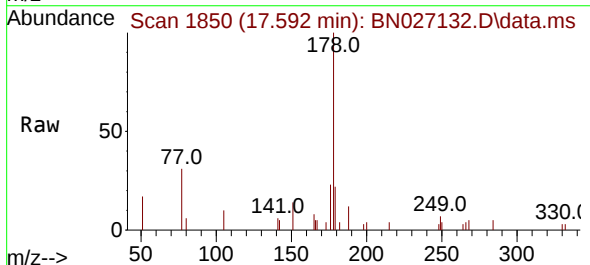
Instrument :
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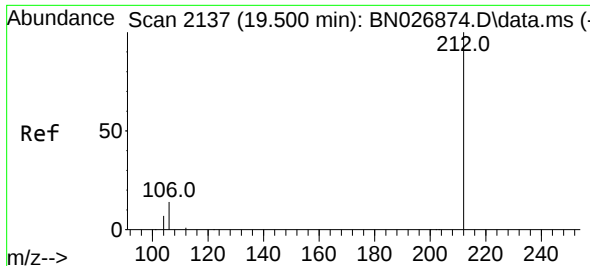
Tgt Ion:178 Resp: 3174
Ion Ratio Lower Upper
178 100
176 19.0 15.3 22.9
179 16.8 12.2 18.4



#26
Anthracene
Concen: 0.041 ng
RT: 17.592 min Scan# 1850
Delta R.T. -0.000 min
Lab File: BN027132.D
Acq: 25 Aug 2023 23:23

Tgt Ion:178 Resp: 2515
Ion Ratio Lower Upper
178 100
176 18.8 14.8 22.2
179 15.6 12.1 18.1

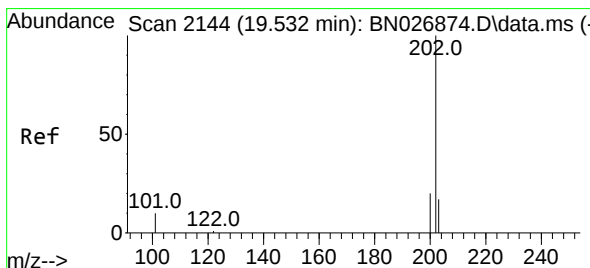
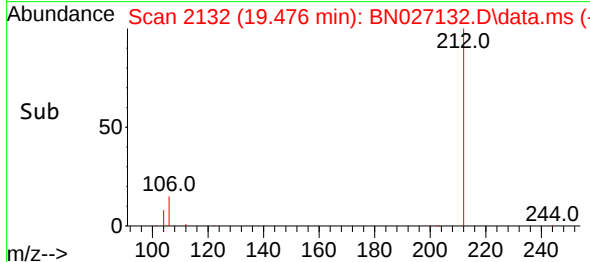
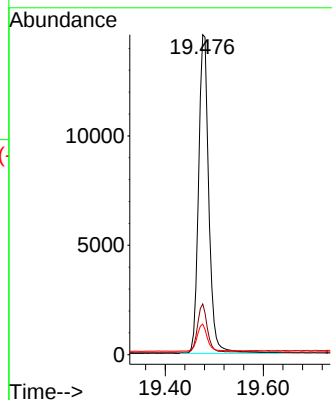
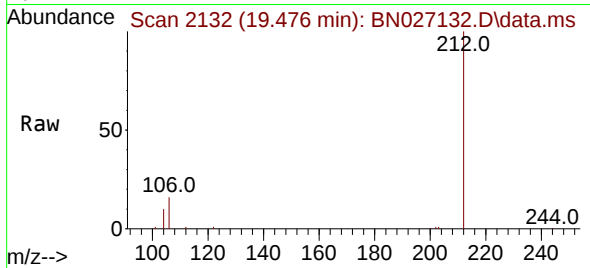




#27
Fluoranthene-d10
Concen: 0.362 ng
RT: 19.476 min Scan# 2110
Delta R.T. -0.000 min
Lab File: BN027132.D
Acq: 25 Aug 2023 23:23

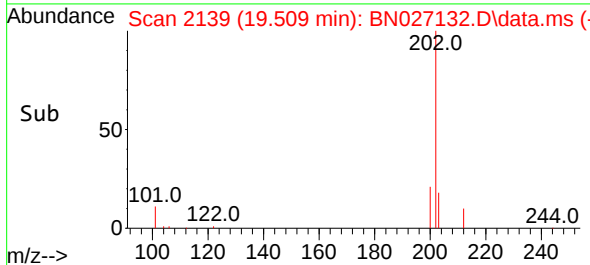
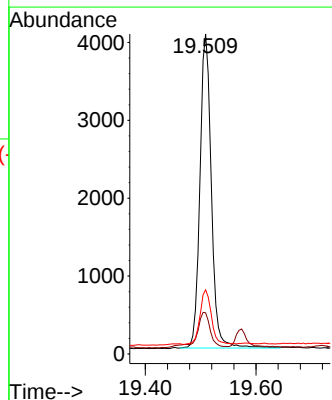
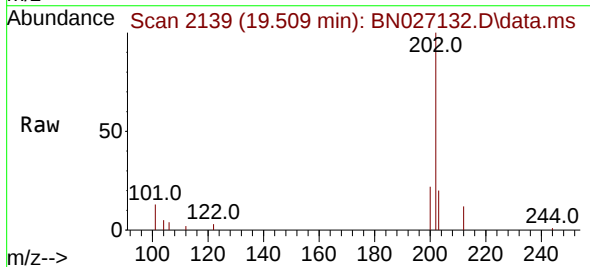
Instrument :
BNA_N
ClientSampleId :
MW179D2-20230814

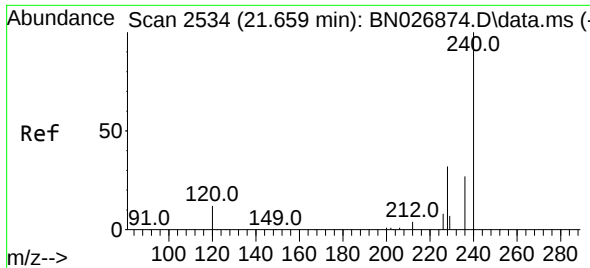
Tgt Ion:212 Resp: 21101
Ion Ratio Lower Upper
212 100
106 14.8 10.9 16.3
104 8.4 5.9 8.9



#28
Fluoranthene
Concen: 0.075 ng
RT: 19.509 min Scan# 2139
Delta R.T. -0.000 min
Lab File: BN027132.D
Acq: 25 Aug 2023 23:23

Tgt Ion:202 Resp: 5790
Ion Ratio Lower Upper
202 100
101 13.4 8.9 13.3#
203 17.5 13.7 20.5

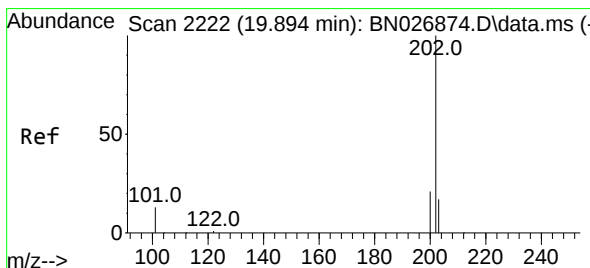
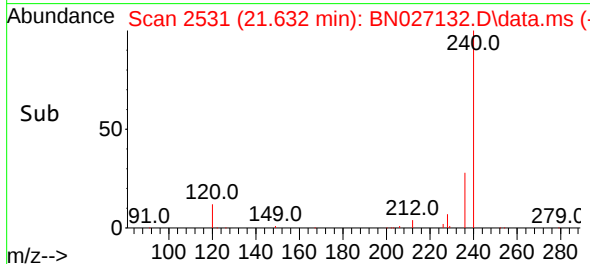
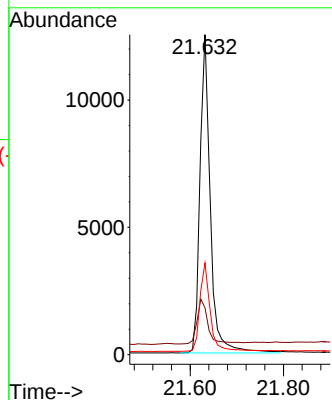
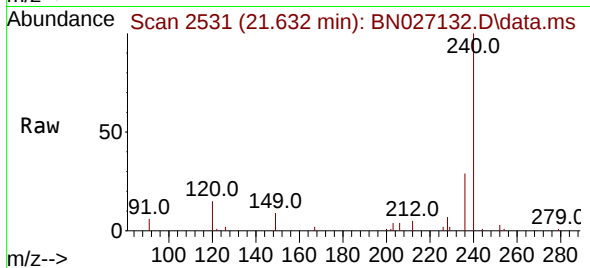




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.632 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN027132.D
Acq: 25 Aug 2023 23:23

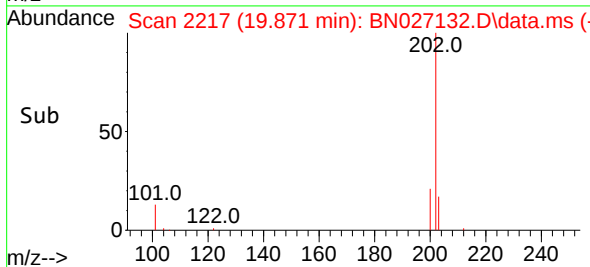
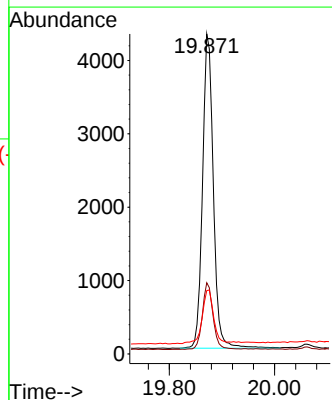
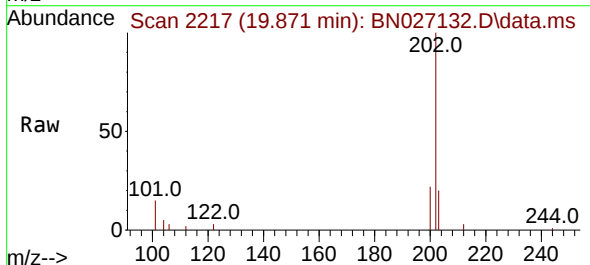
Instrument :
BNA_N
ClientSampleId :
MW179D2-20230814

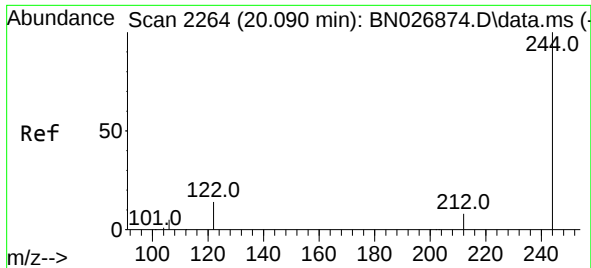
Tgt Ion:240 Resp: 19287
Ion Ratio Lower Upper
240 100
120 14.6 11.1 16.7
236 28.6 22.2 33.2



#30
Pyrene
Concen: 0.082 ng
RT: 19.871 min Scan# 2217
Delta R.T. -0.000 min
Lab File: BN027132.D
Acq: 25 Aug 2023 23:23

Tgt Ion:202 Resp: 6121
Ion Ratio Lower Upper
202 100
200 21.1 16.6 25.0
203 18.4 14.4 21.6

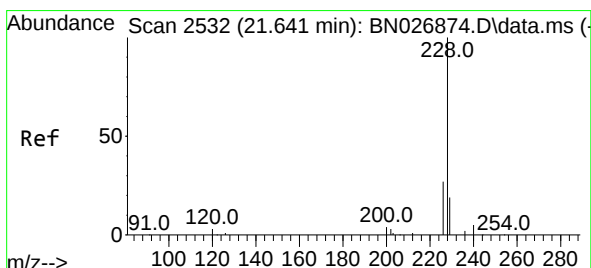
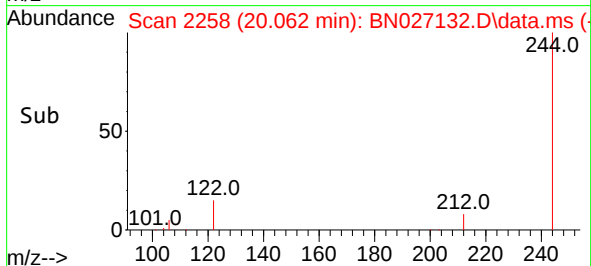
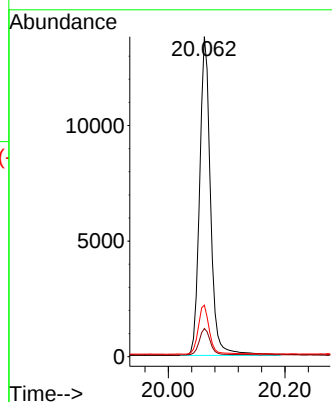
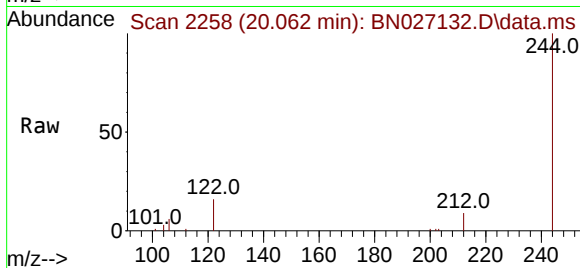




#31
 Terphenyl-d14
 Concen: 0.447 ng
 RT: 20.062 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BN027132.D
 Acq: 25 Aug 2023 23:23

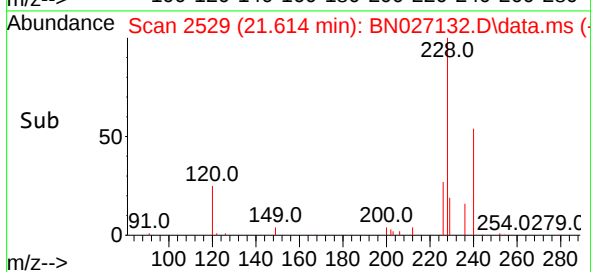
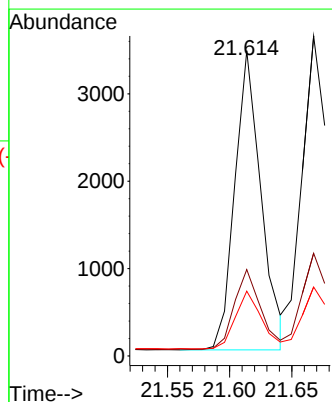
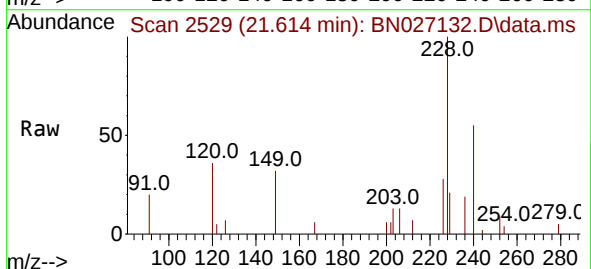
Instrument :
 BNA_N
 ClientSampleId :
 MW179D2-20230814

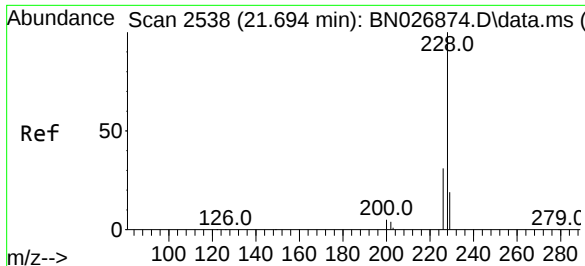
Tgt Ion:244 Resp: 18001
 Ion Ratio Lower Upper
 244 100
 212 8.8 6.9 10.3
 122 16.1 11.9 17.9



#32
 Benzo(a)anthracene
 Concen: 0.072 ng
 RT: 21.614 min Scan# 2529
 Delta R.T. -0.000 min
 Lab File: BN027132.D
 Acq: 25 Aug 2023 23:23

Tgt Ion:228 Resp: 5025
 Ion Ratio Lower Upper
 228 100
 226 28.3 22.1 33.1
 229 21.2 15.5 23.3





#33

Chrysene

Concen: 0.080 ng

RT: 21.667 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN027132.D

Acq: 25 Aug 2023 23:23

Instrument :

BNA_N

ClientSampleId :

MW179D2-20230814

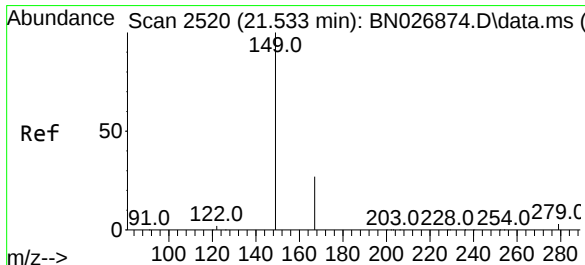
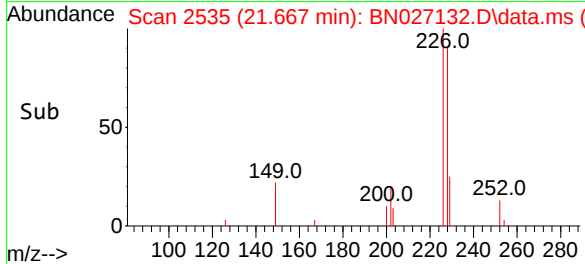
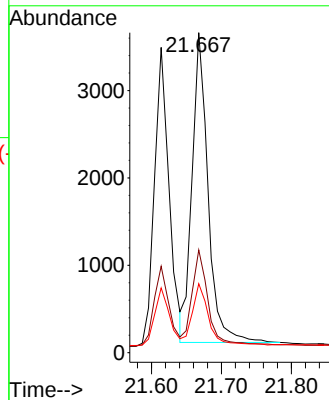
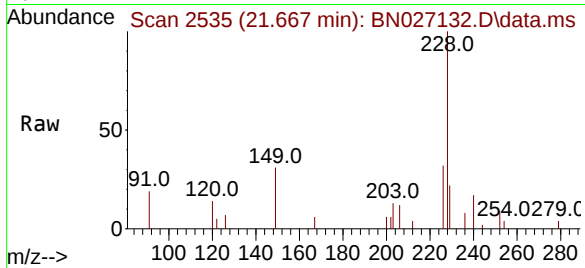
Tgt Ion:228 Resp: 5616

Ion Ratio Lower Upper

228 100

226 32.1 24.6 37.0

229 21.5 15.5 23.3



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.046 ng

RT: 21.488 min Scan# 2515

Delta R.T. -0.009 min

Lab File: BN027132.D

Acq: 25 Aug 2023 23:23

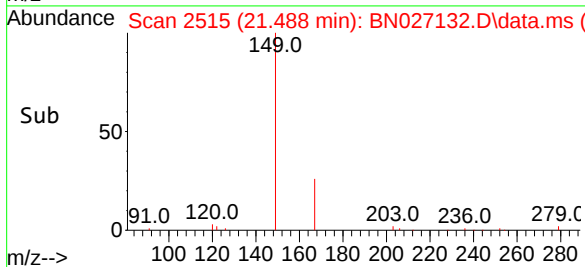
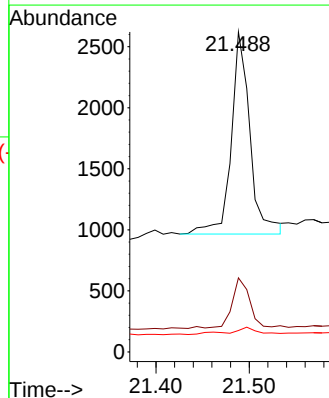
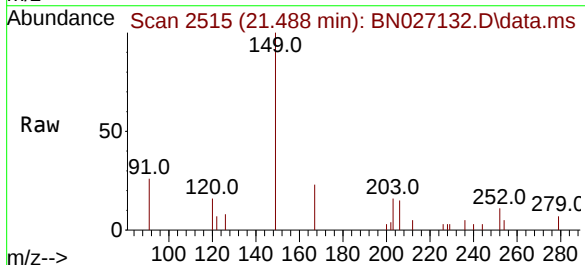
Tgt Ion:149 Resp: 2303

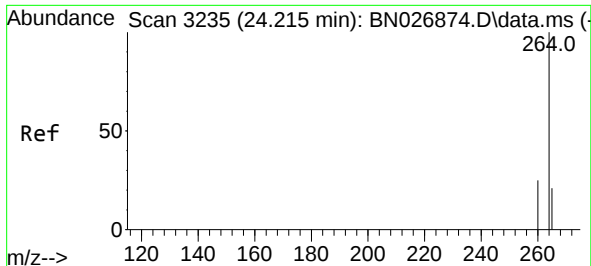
Ion Ratio Lower Upper

149 100

167 23.3 21.4 32.0

279 2.6 3.6 5.4#

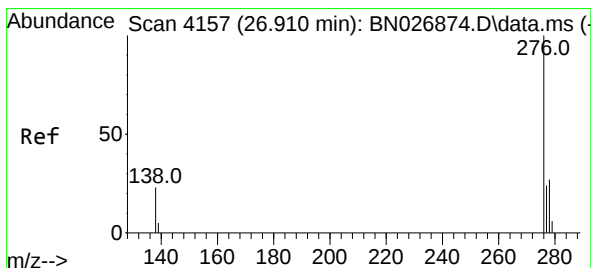
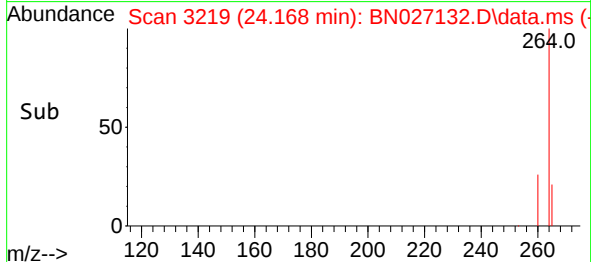
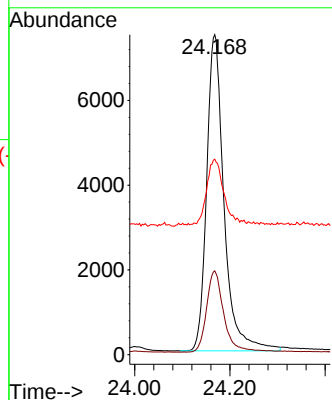
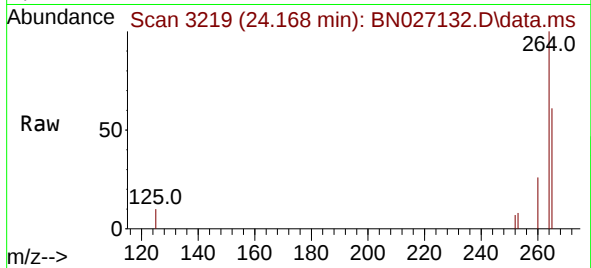




#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.168 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: BN027132.D
 Acq: 25 Aug 2023 23:23

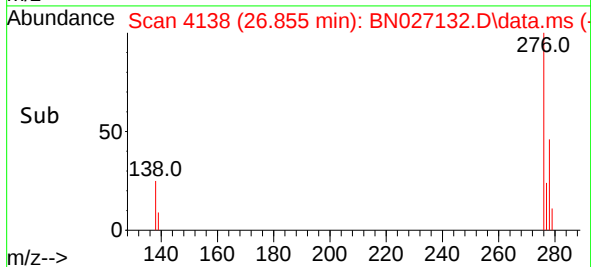
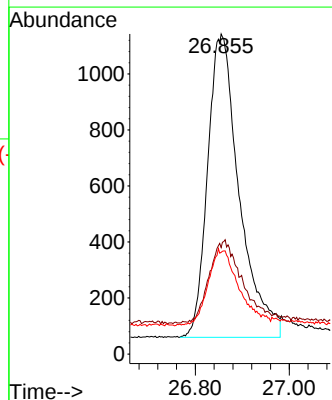
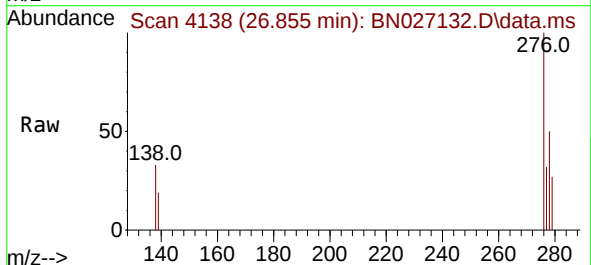
Instrument :
 BNA_N
 ClientSampleId :
 MW179D2-20230814

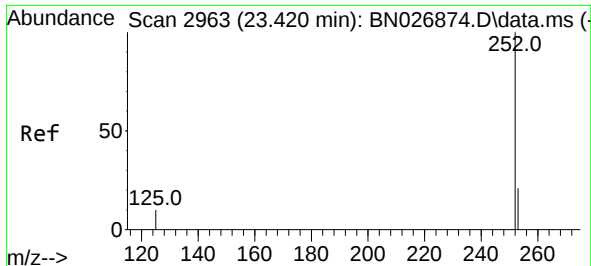
Tgt Ion:264 Resp: 18871
 Ion Ratio Lower Upper
 264 100
 260 26.2 20.4 30.6
 265 61.1 27.0 40.6#



#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.066 ng
 RT: 26.855 min Scan# 4138
 Delta R.T. 0.003 min
 Lab File: BN027132.D
 Acq: 25 Aug 2023 23:23

Tgt Ion:276 Resp: 5068
 Ion Ratio Lower Upper
 276 100
 138 27.6 21.1 31.7
 277 10.3 19.9 29.9#

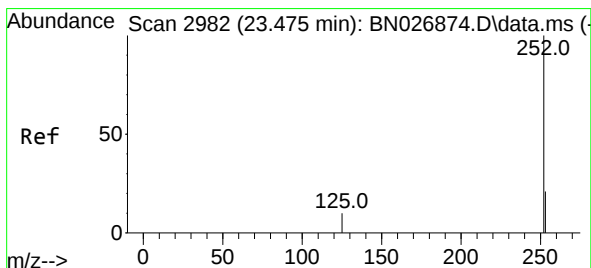
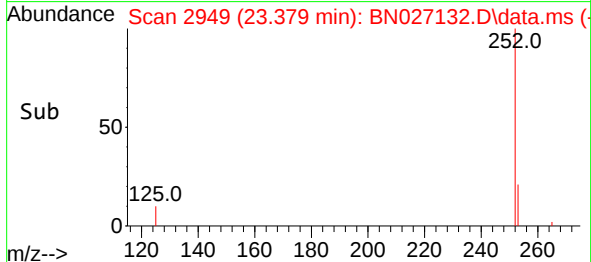
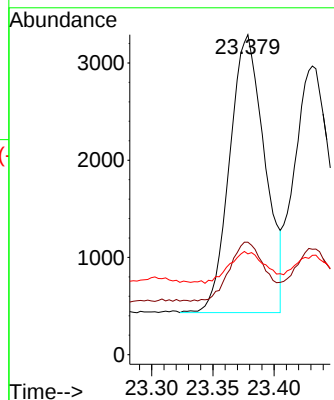
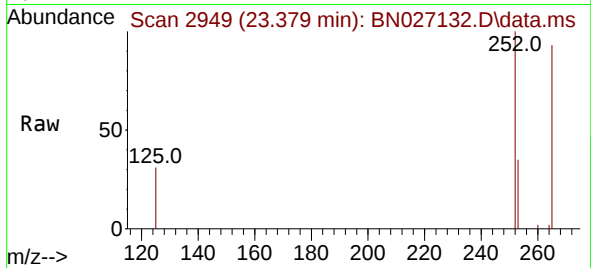




#37
Benzo(b)fluoranthene
Concen: 0.090 ng
RT: 23.379 min Scan# 2949
Delta R.T. -0.000 min
Lab File: BN027132.D
Acq: 25 Aug 2023 23:23

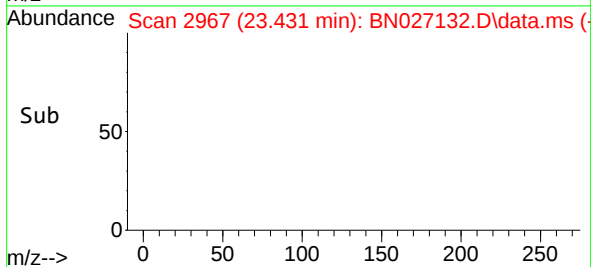
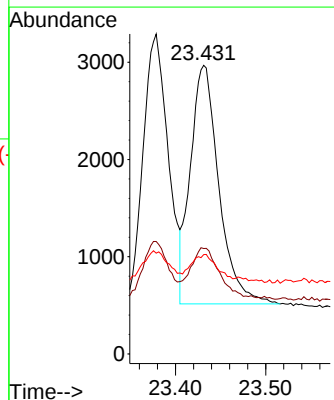
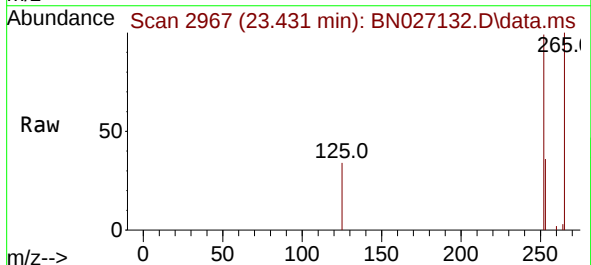
Instrument :
BNA_N
ClientSampleId :
MW179D2-20230814

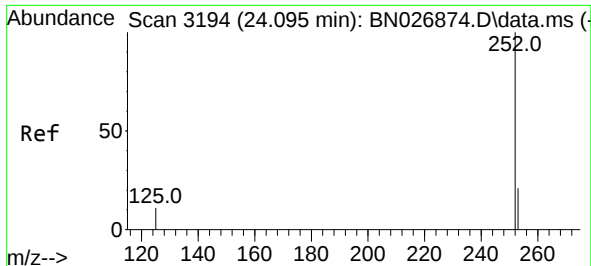
Tgt Ion:252 Resp: 5702
Ion Ratio Lower Upper
252 100
253 35.1 18.4 27.6#
125 31.5 10.2 15.2#



#38
Benzo(k)fluoranthene
Concen: 0.083 ng
RT: 23.431 min Scan# 2967
Delta R.T. -0.000 min
Lab File: BN027132.D
Acq: 25 Aug 2023 23:23

Tgt Ion:252 Resp: 5389
Ion Ratio Lower Upper
252 100
253 36.5 18.4 27.6#
125 34.4 10.2 15.2#





#39

Benzo(a)pyrene

Concen: 0.068 ng

RT: 24.054 min Scan# 31

Delta R.T. -0.003 min

Lab File: BN027132.D

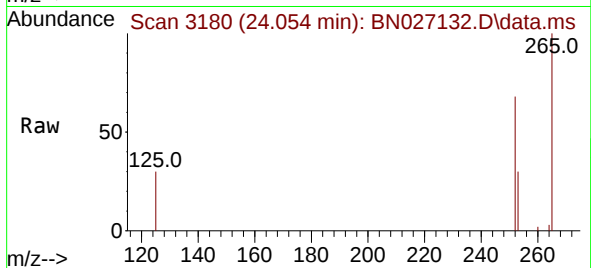
Acq: 25 Aug 2023 23:23

Instrument :

BNA_N

ClientSampleId :

MW179D2-20230814



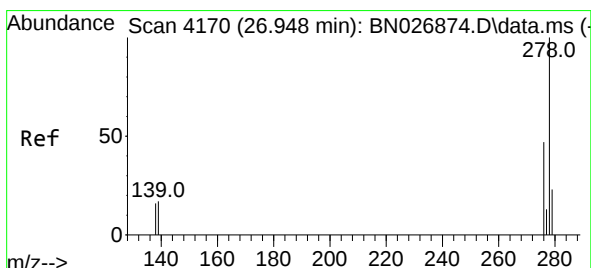
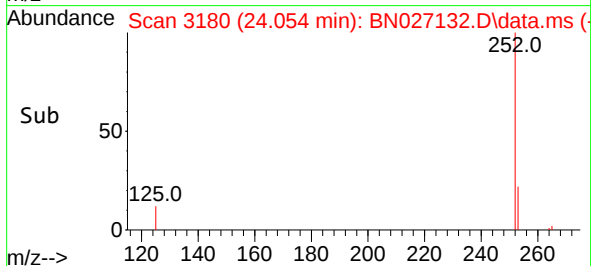
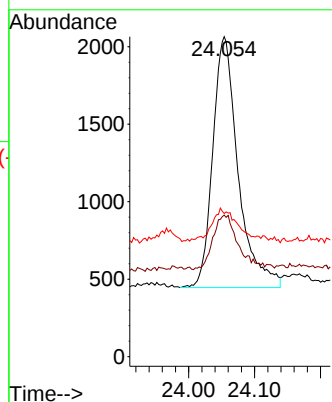
Tgt Ion:252 Resp: 4322

Ion Ratio Lower Upper

252 100

253 44.3 18.6 28.0#

125 44.7 11.7 17.5#



#40

Dibenzo(a,h)anthracene

Concen: 0.064 ng

RT: 26.875 min Scan# 4145

Delta R.T. -0.006 min

Lab File: BN027132.D

Acq: 25 Aug 2023 23:23

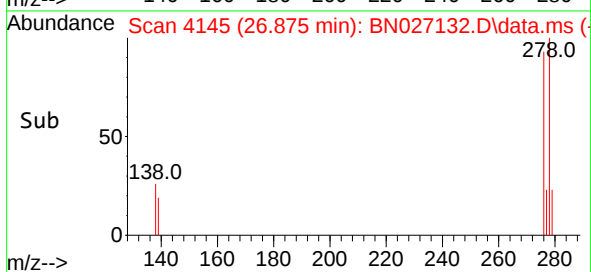
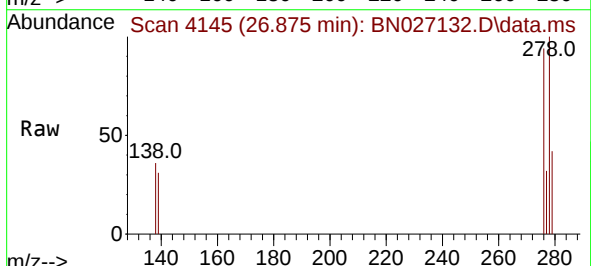
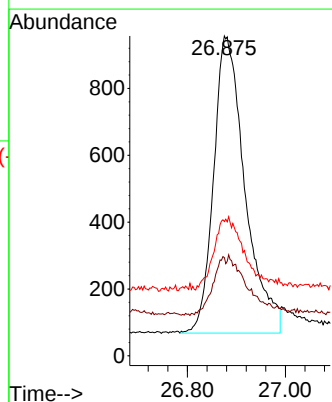
Tgt Ion:278 Resp: 3957

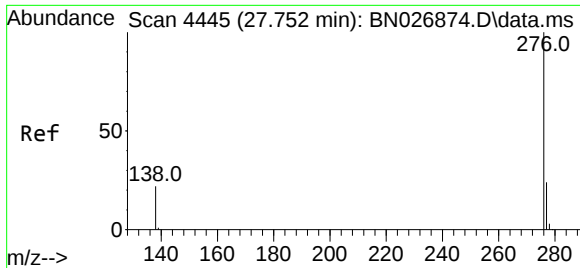
Ion Ratio Lower Upper

278 100

139 30.7 15.3 22.9#

279 42.0 19.9 29.9#





#41

Benzo(g,h,i)perylene

Concen: 0.073 ng

RT: 27.688 min Scan# 44

Delta R.T. -0.000 min

Lab File: BN027132.D

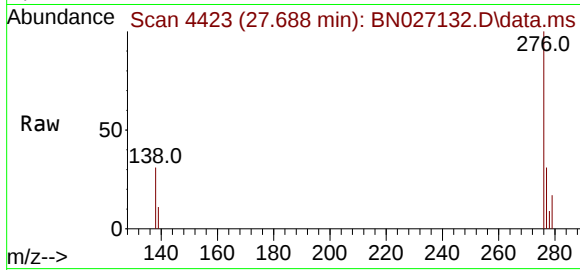
Acq: 25 Aug 2023 23:23

Instrument :

BNA_N

ClientSampleId :

MW179D2-20230814



Tgt Ion:276 Resp: 4812

Ion Ratio Lower Upper

276 100

277 31.1 19.8 29.8#

138 31.2 19.0 28.4#

