

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

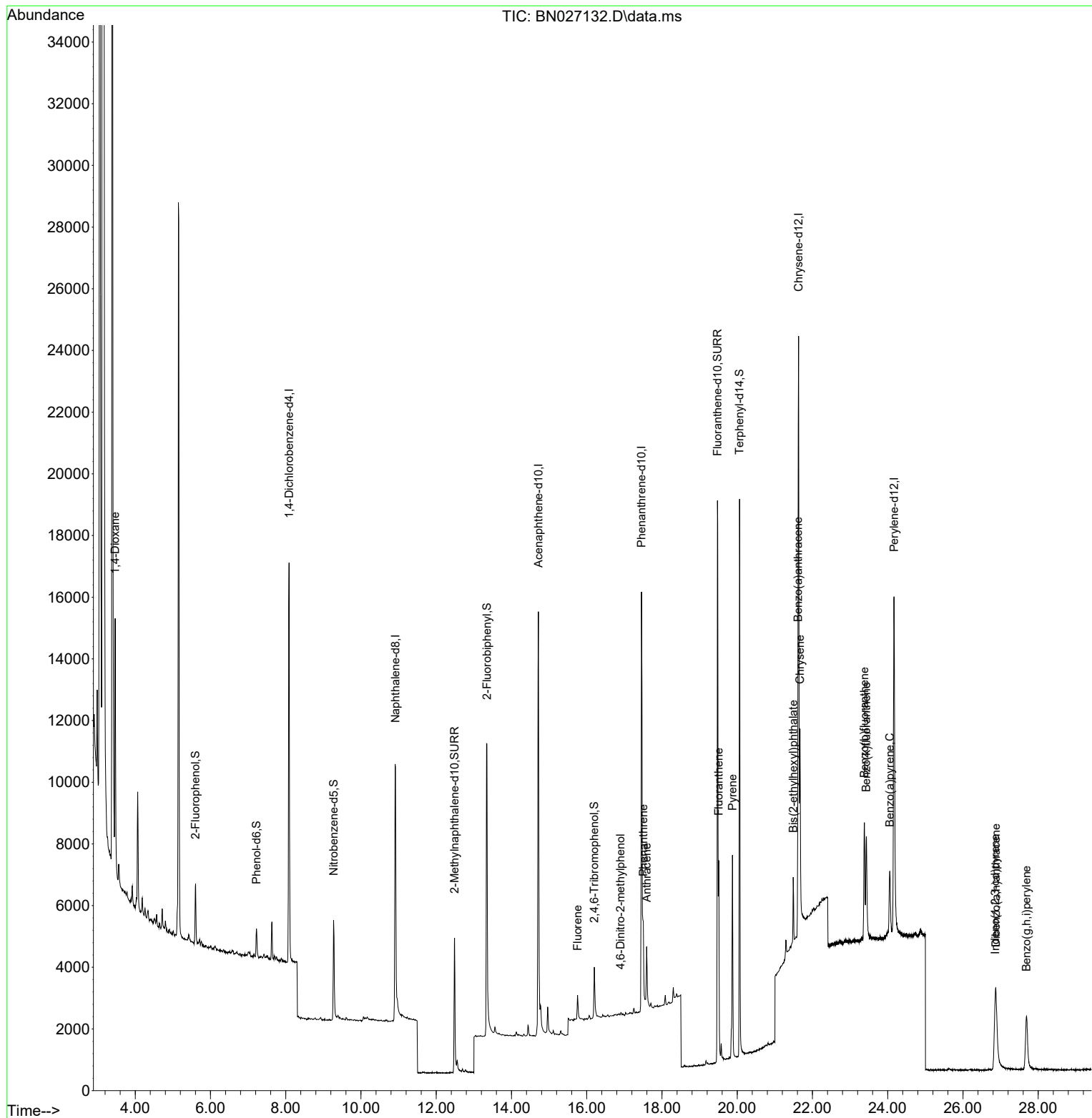
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.088	152	6444	0.400	ng	0.00
7) Naphthalene-d8	10.917	136	14600	0.400	ng	0.01
13) Acenaphthene-d10	14.715	164	9710	0.400	ng	0.01
19) Phenanthrene-d10	17.455	188	22706	0.400	ng	# 0.00
29) Chrysene-d12	21.632	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						
2) 1,4-Dioxane	3.465	88	5614	0.810	ng	# 92
18) Fluorene	15.755	166	840	0.022	ng	97
20) 4,6-Dinitro-2-methylph...	16.896	198	8	0.022	ng	# 10
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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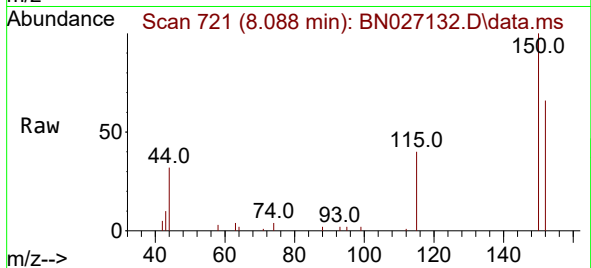
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Aug 26 02:13:59 2023
Response via : Initial Calibration



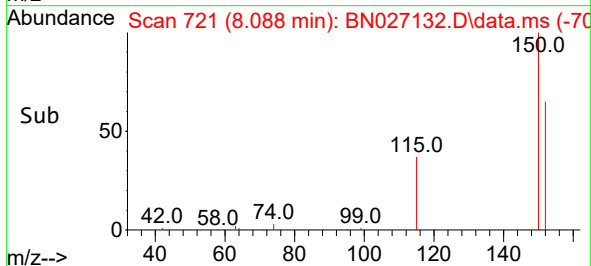
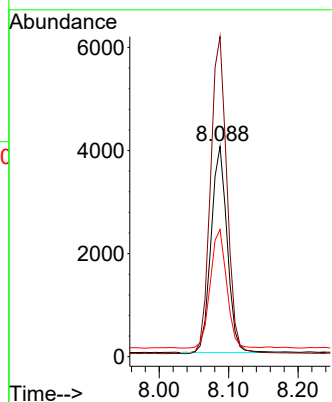


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.088 min Scan# 71
Delta R.T. -0.000 min
Lab File: BN027132.D
Acq: 25 Aug 2023 23:23

Instrument :
BNA_N
ClientSampleId :
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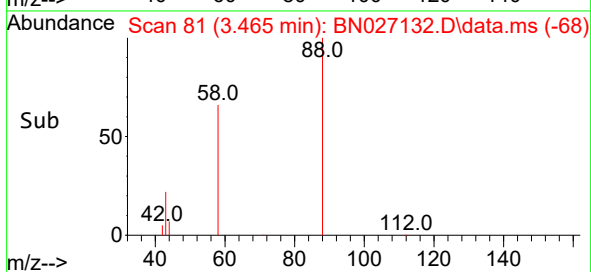
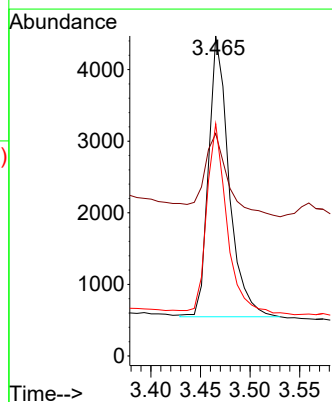
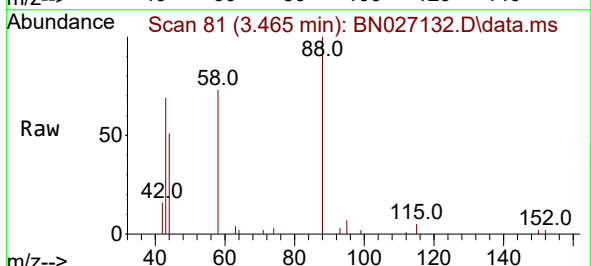


Tgt Ion:152 Resp: 6444
Ion Ratio Lower Upper
152 100
150 152.2 123.8 185.6
115 60.5 49.7 74.5



#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

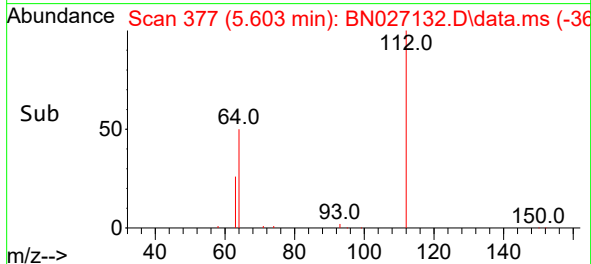
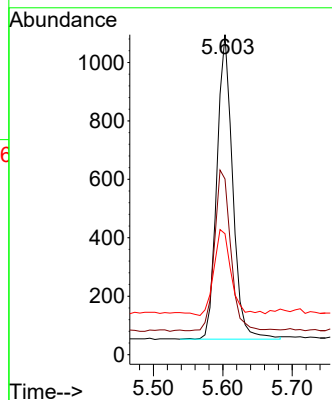
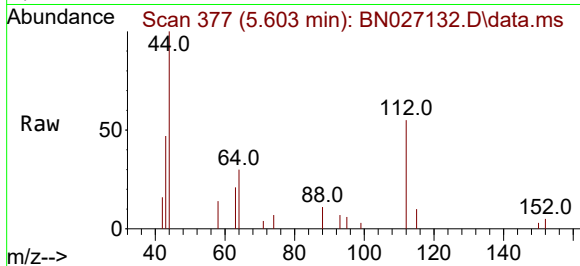




#4
2-Fluorophenol
Concen: 0.091 ng
RT: 5.603 min Scan# 31
Delta R.T. -0.000 min
Lab File: BN027132.D
Acq: 25 Aug 2023 23:23

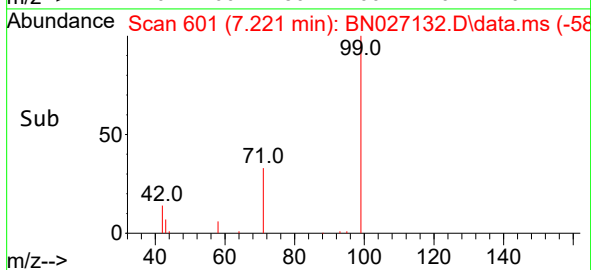
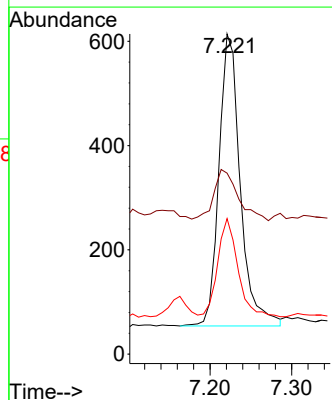
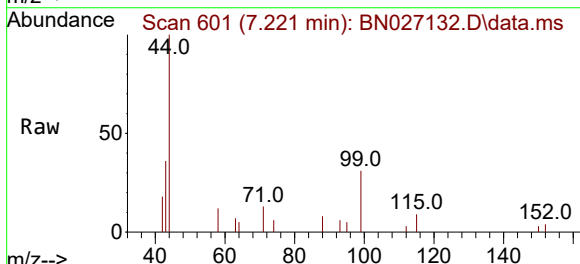
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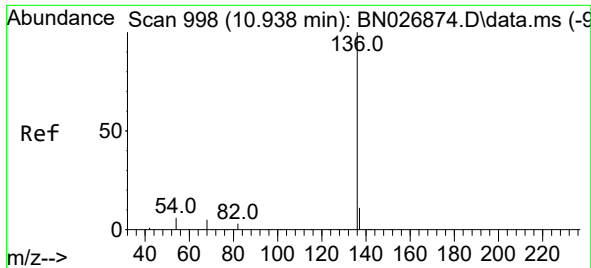
Tgt Ion:	112	Resp:	1645
Ion	Ratio	Lower	Upper
112	100		
64	54.0	41.5	62.3
63	30.9	21.7	32.5



#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

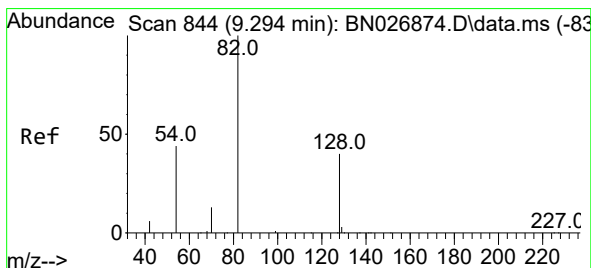
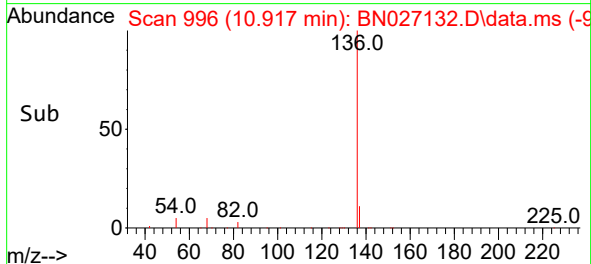
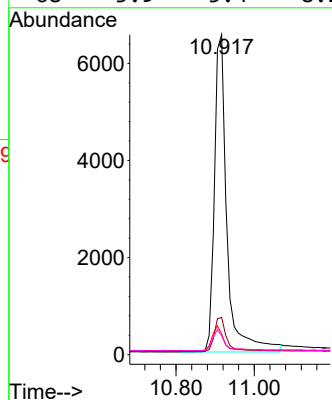
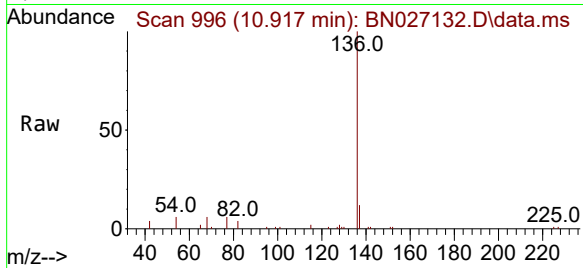




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.917 min Scan# 91
Delta R.T. 0.011 min
Lab File: BN027132.D
Acq: 25 Aug 2023 23:23

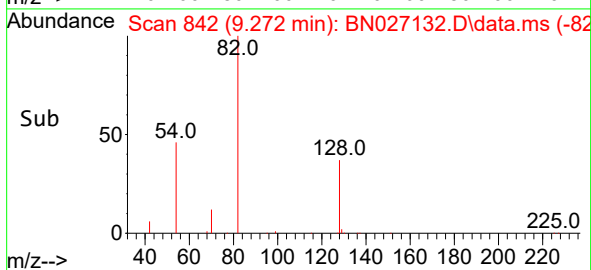
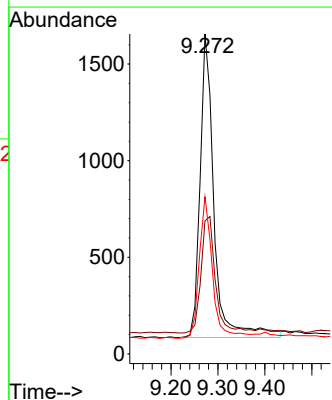
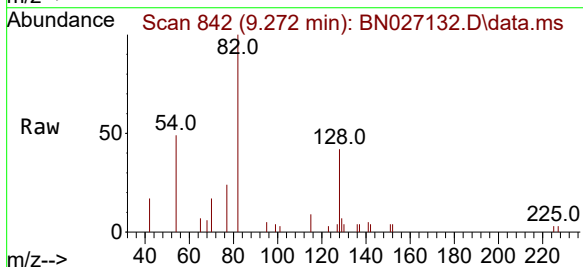
Instrument :
BNA_N
ClientSampleId :
MW179D2-20230814

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 :

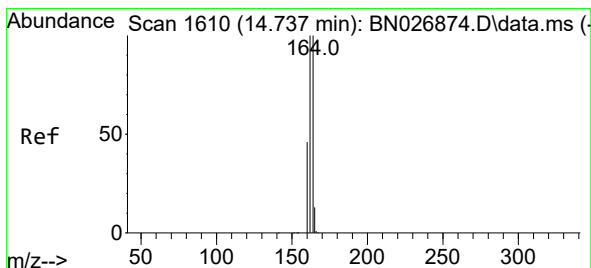
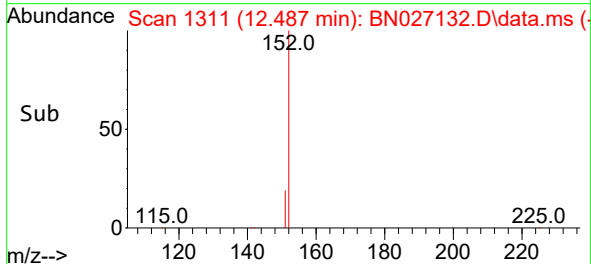
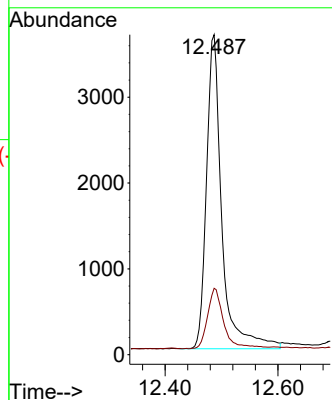
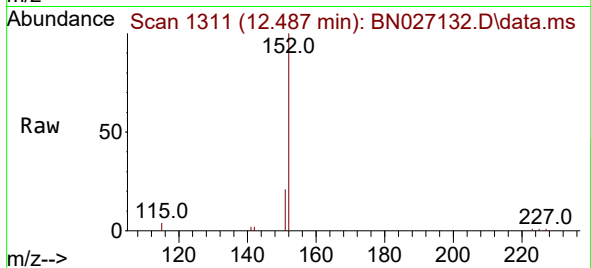
MW179D2-20230814

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

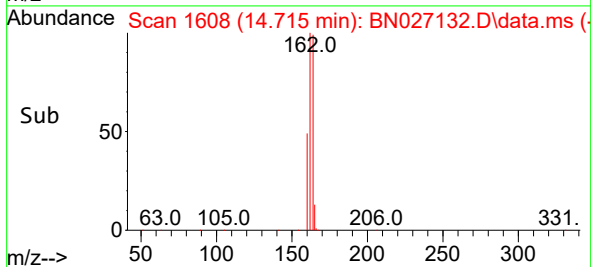
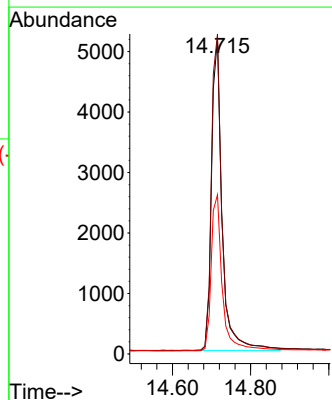
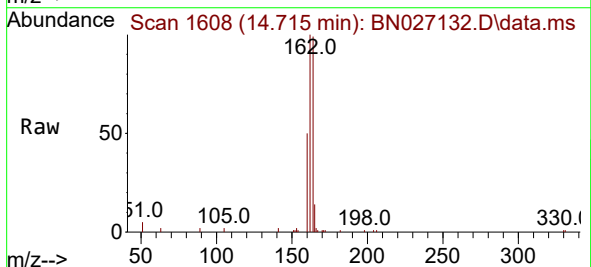
Tgt Ion:164 Resp: 9710

Ion Ratio Lower Upper

164 100

162 101.4 79.7 119.5

160 50.5 37.4 56.0

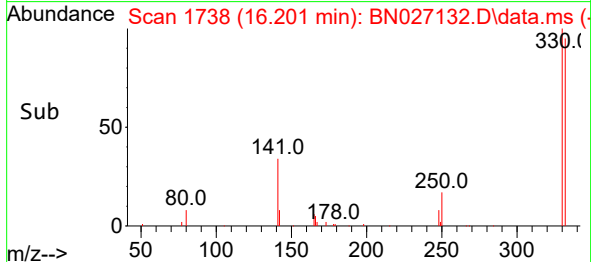
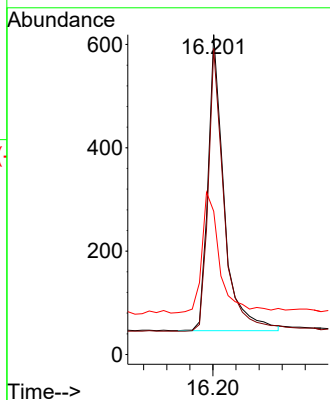
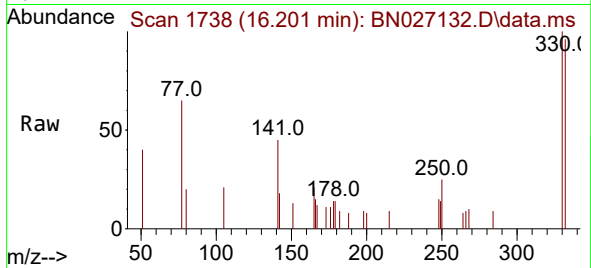




#14
2,4,6-Tribromophenol
Concen: 0.214 ng
RT: 16.201 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN027132.D
Acq: 25 Aug 2023 23:23

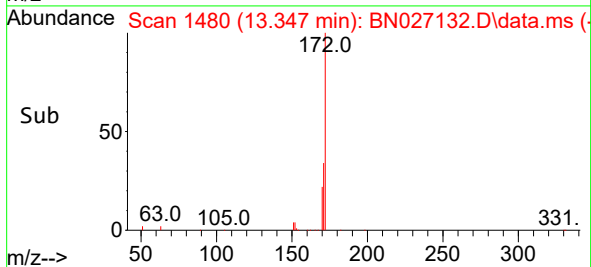
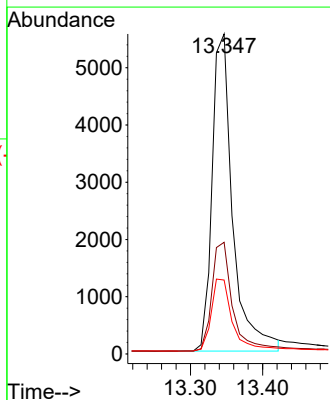
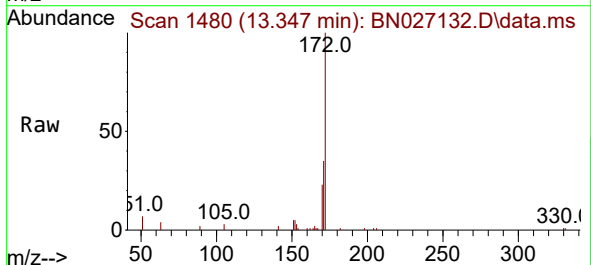
Instrument :
BNA_N
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MW179D2-20230814

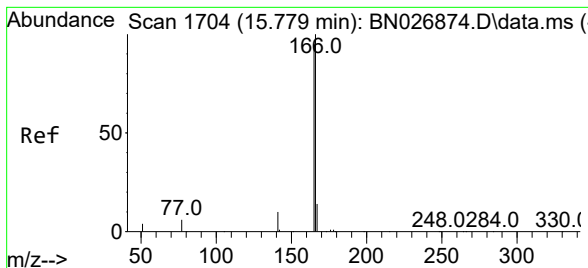
Tgt Ion:330 Resp: 1108
Ion Ratio Lower Upper
330 100
332 93.6 76.6 114.8
141 44.9 32.3 48.5



#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# 1

Delta R.T. -0.000 min

Lab File: BN027132.D

Acq: 25 Aug 2023 23:23

Instrument :

BNA_N

ClientSampleId :

MW179D2-20230814

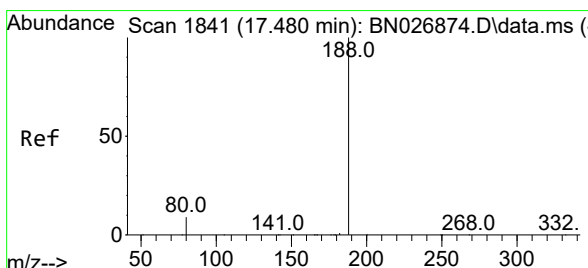
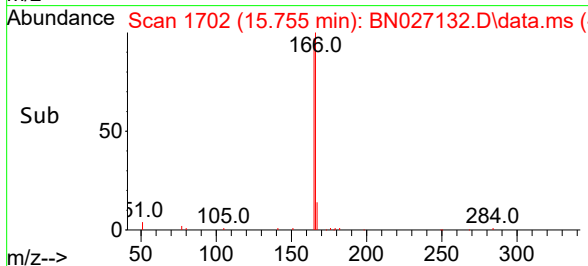
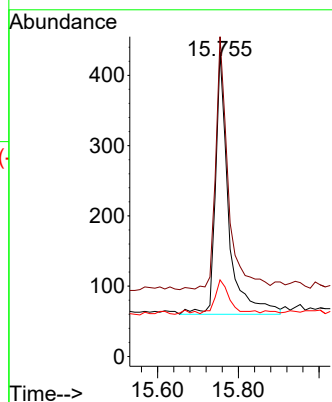
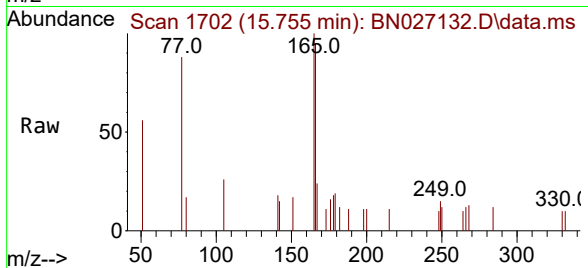
Tgt Ion:166 Resp: 840

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

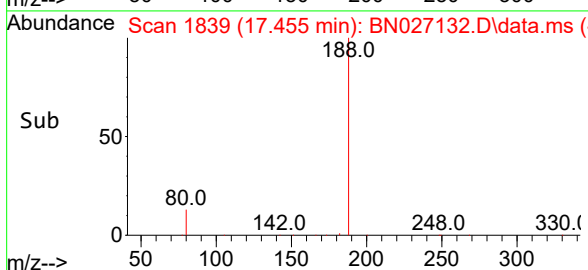
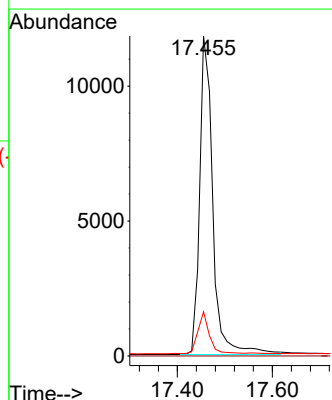
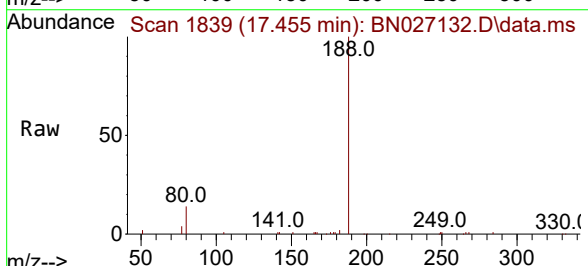
Tgt Ion:188 Resp: 22706

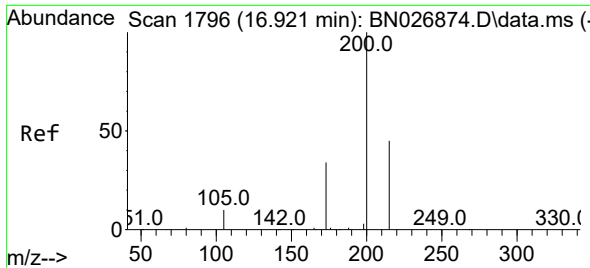
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 13.8 7.4 11.2#

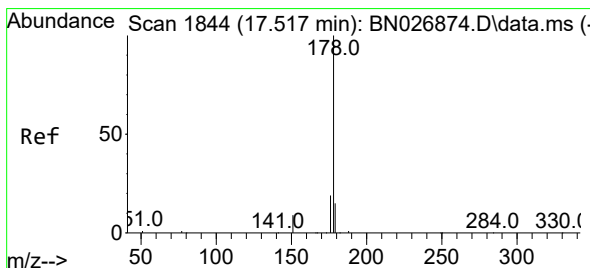
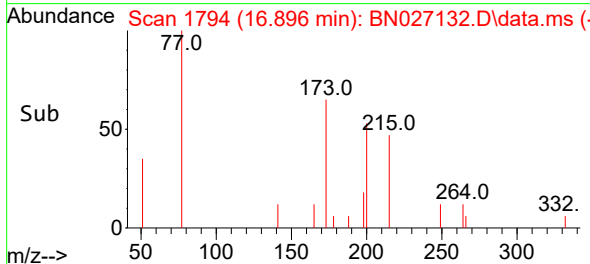
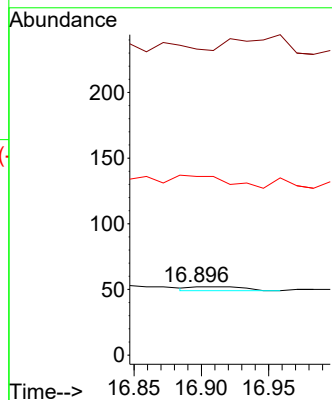
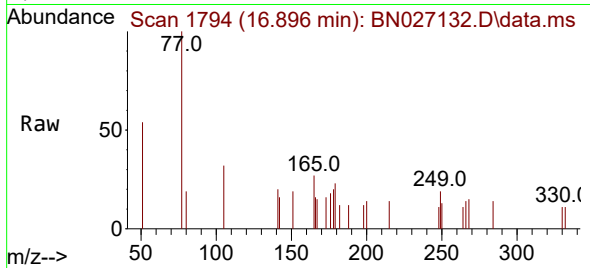




#20
4,6-Dinitro-2-methylphenol
Concen: 0.022 ng
RT: 16.896 min Scan# 1794
Delta R.T. -0.013 min
Lab File: BN027132.D
Acq: 25 Aug 2023 23:23

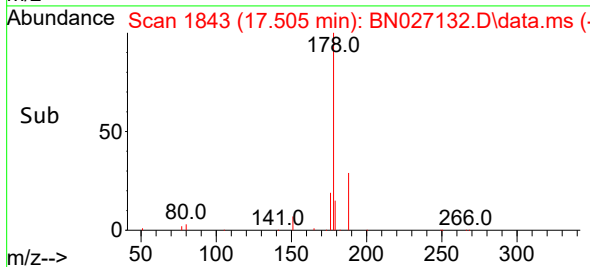
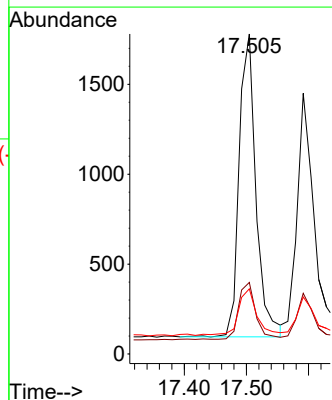
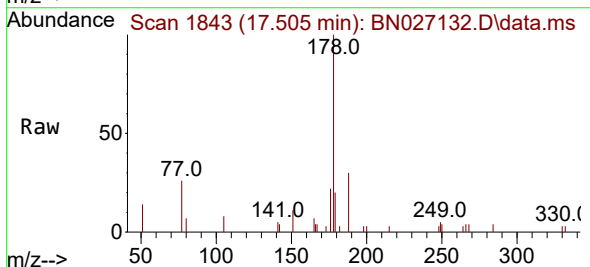
Instrument :
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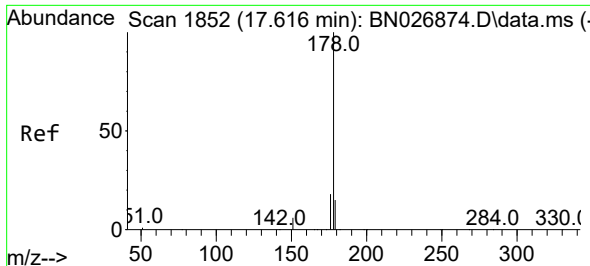
Tgt Ion:198 Resp: 8
Ion Ratio Lower Upper
198 100
51 448.1 143.8 215.8#
105 261.5 273.5 410.3#



#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

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

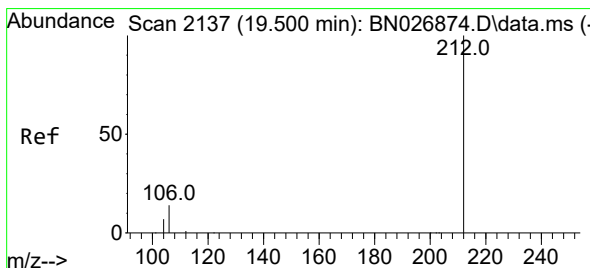
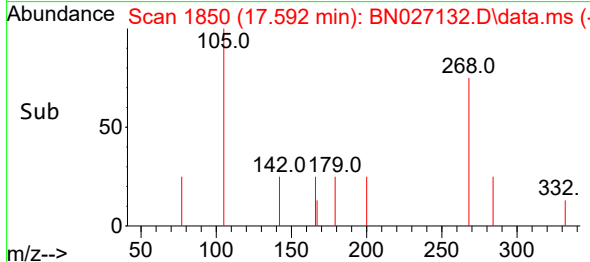
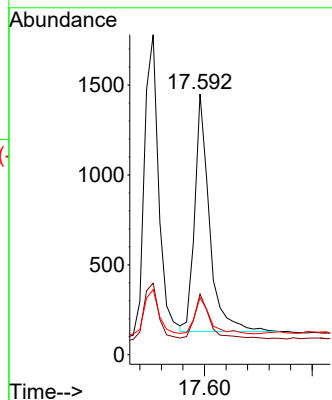
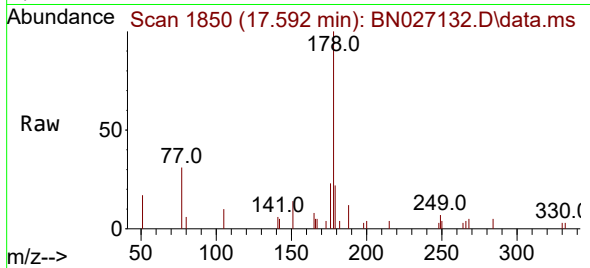




#26
 Anthracene
 Concen: 0.041 ng
 RT: 17.592 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BN027132.D
 Acq: 25 Aug 2023 23:23

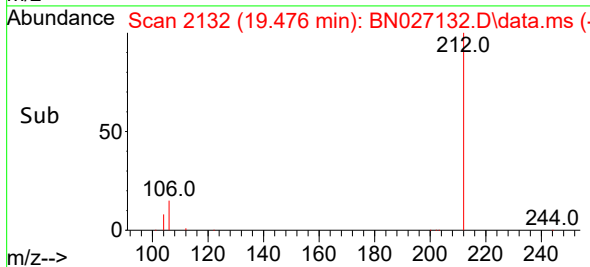
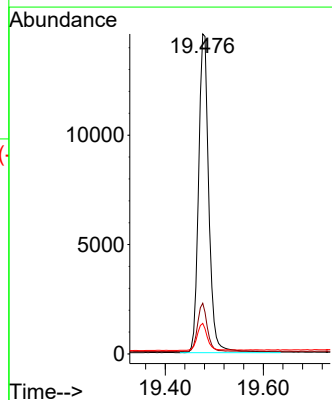
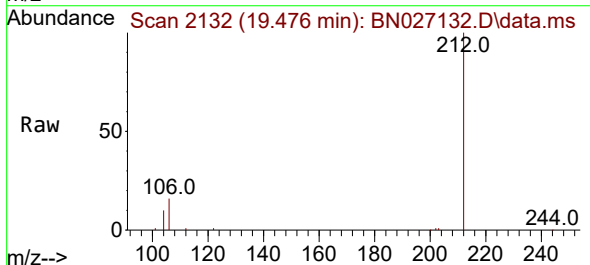
Instrument :
 BNA_N
 ClientSampleId :
 MW179D2-20230814

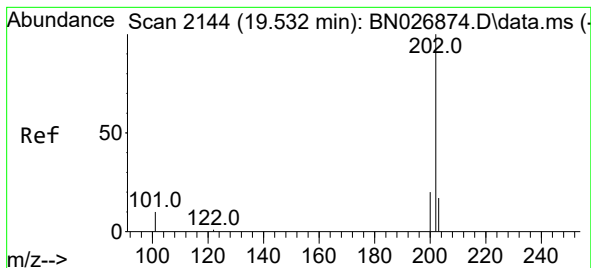
Tgt Ion:178 Resp: 2515
 Ion Ratio Lower Upper
 178 100
 176 18.8 14.8 22.2
 179 15.6 12.1 18.1



#27
 Fluoranthene-d10
 Concen: 0.362 ng
 RT: 19.476 min Scan# 2132
 Delta R.T. -0.000 min
 Lab File: BN027132.D
 Acq: 25 Aug 2023 23:23

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

Instrument :

BNA_N

ClientSampleId :

MW179D2-20230814

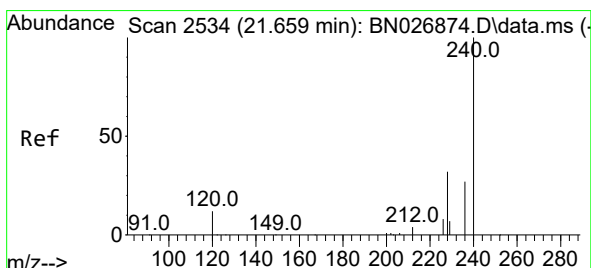
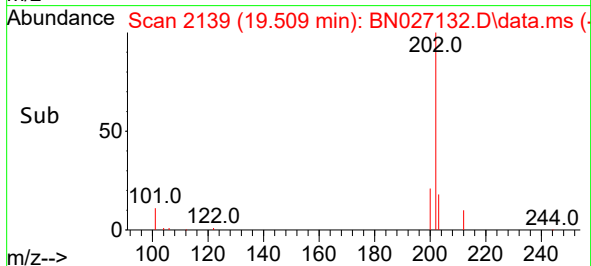
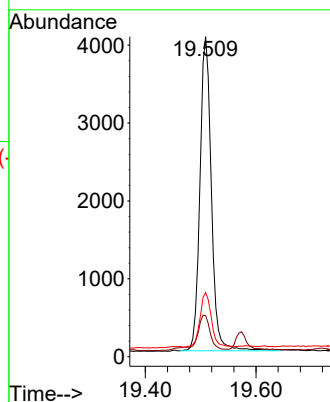
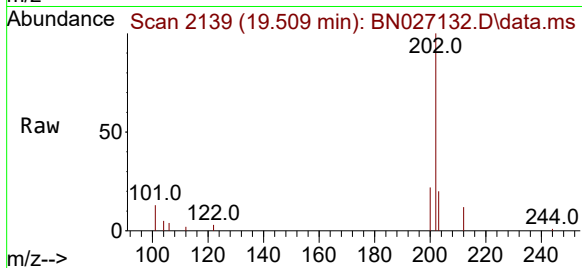
Tgt Ion:202 Resp: 5790

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# 2531

Delta R.T. -0.000 min

Lab File: BN027132.D

Acq: 25 Aug 2023 23:23

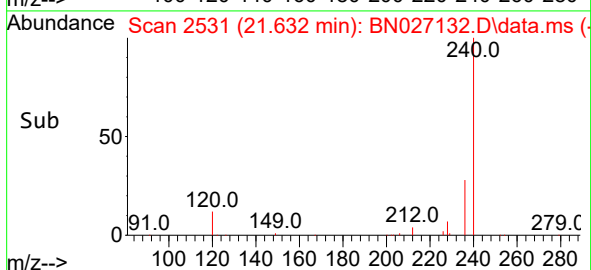
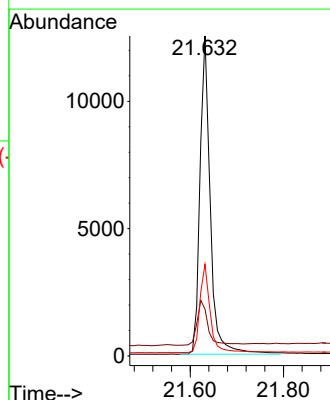
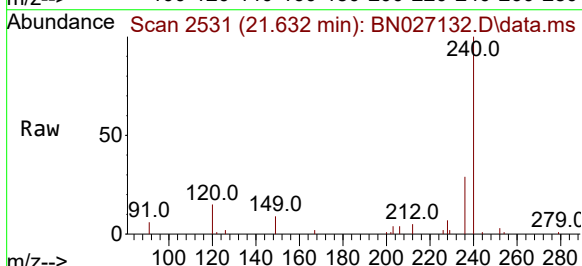
Tgt Ion:240 Resp: 19287

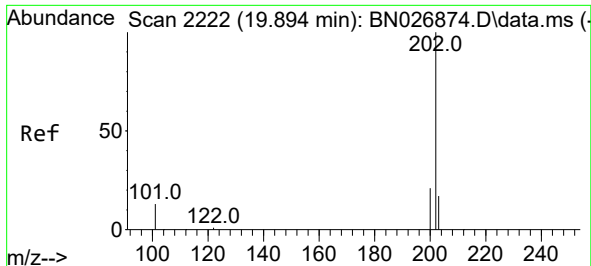
Ion Ratio Lower Upper

240 100

120 14.6 11.1 16.7

236 28.6 22.2 33.2

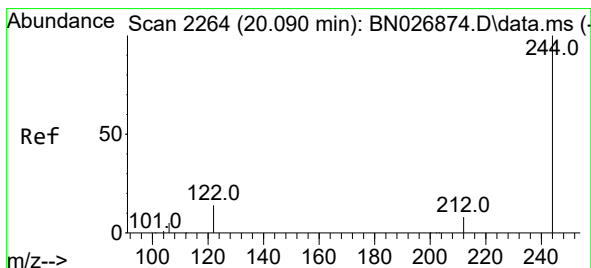
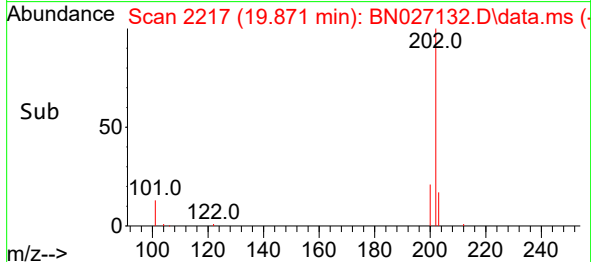
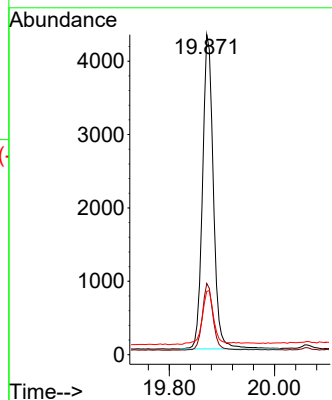
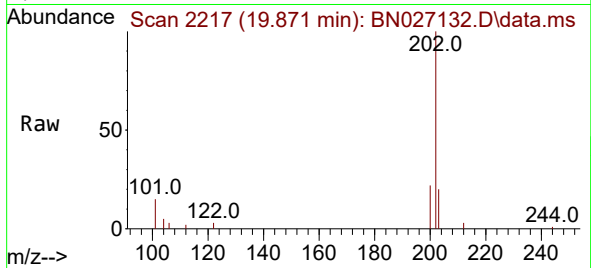




#30
 Pyrene
 Concen: 0.082 ng
 RT: 19.871 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BN027132.D
 Acq: 25 Aug 2023 23:23

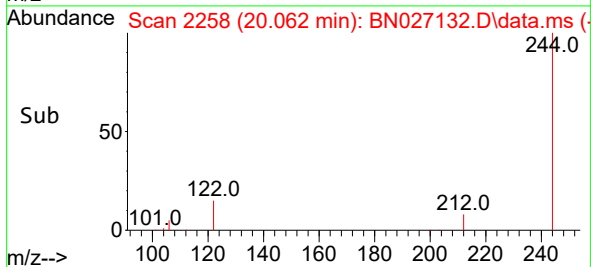
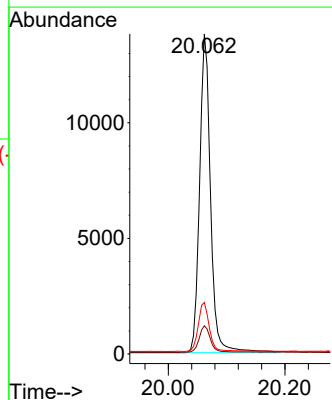
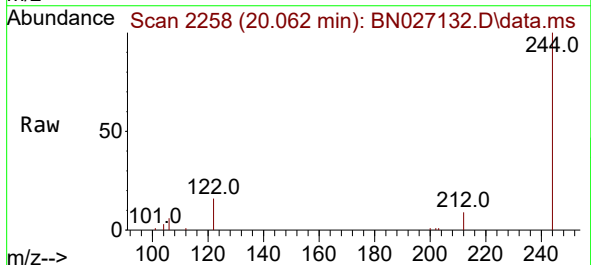
Instrument :
 BNA_N
 ClientSampleId :
 MW179D2-20230814

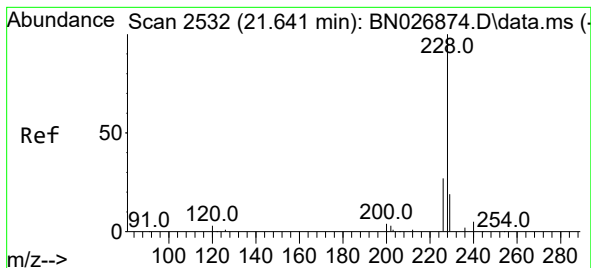
Tgt Ion:202 Resp: 6121
 Ion Ratio Lower Upper
 202 100
 200 21.1 16.6 25.0
 203 18.4 14.4 21.6



#31
 Terphenyl-d14
 Concen: 0.447 ng
 RT: 20.062 min Scan# 2258
 Delta R.T. -0.000 min
 Lab File: BN027132.D
 Acq: 25 Aug 2023 23:23

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# 21

Delta R.T. -0.000 min

Lab File: BN027132.D

Acq: 25 Aug 2023 23:23

Instrument :

BNA_N

ClientSampleId :

MW179D2-20230814

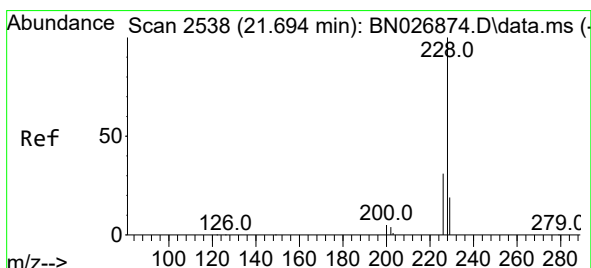
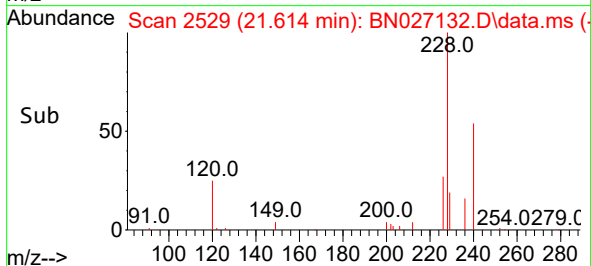
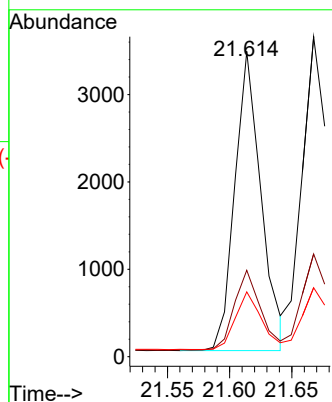
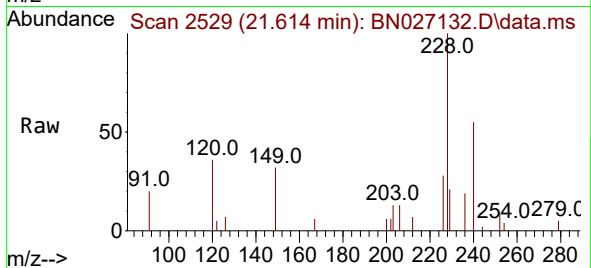
Tgt Ion:228 Resp: 5025

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# 2535

Delta R.T. -0.000 min

Lab File: BN027132.D

Acq: 25 Aug 2023 23:23

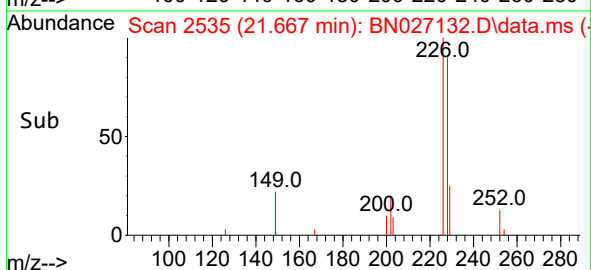
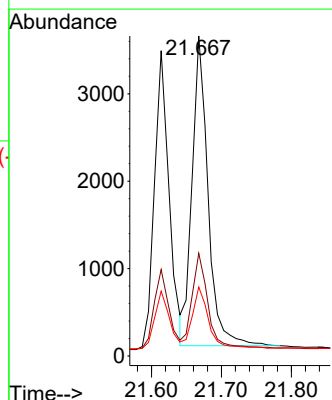
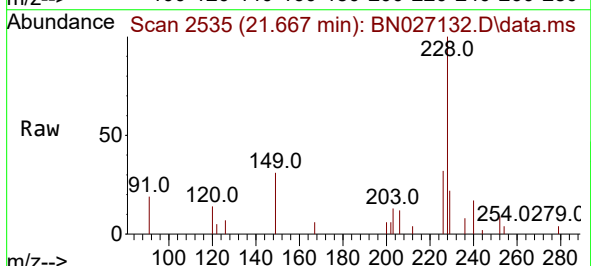
Tgt Ion:228 Resp: 5616

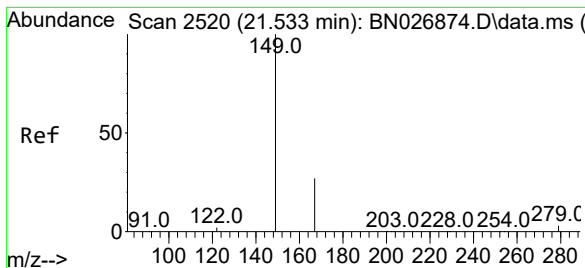
Ion Ratio Lower Upper

228 100

226 32.1 24.6 37.0

229 21.5 15.5 23.3

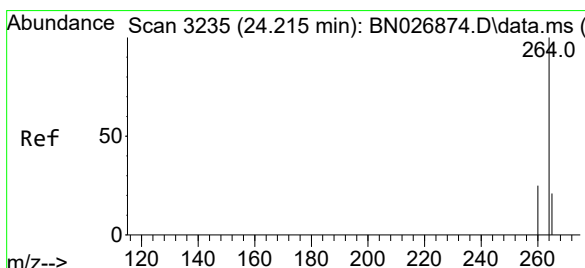
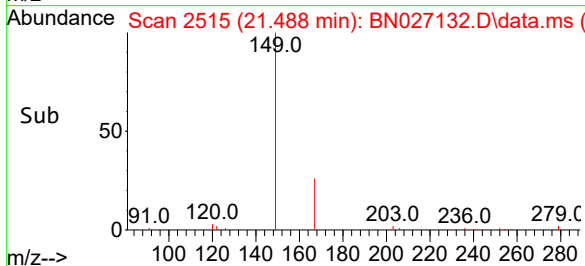
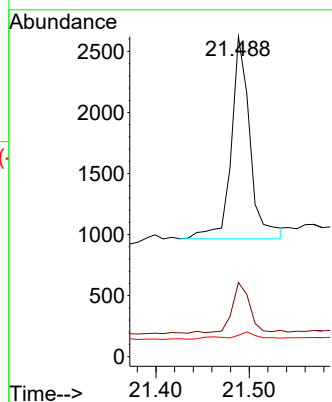
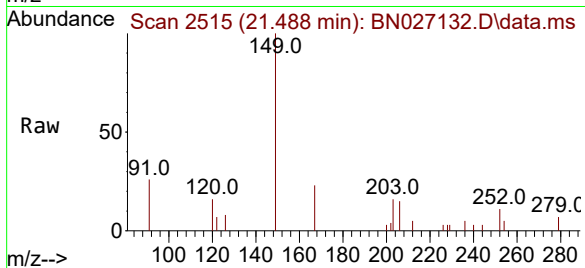




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.046 ng
 RT: 21.488 min Scan# 2155
 Delta R.T. -0.009 min
 Lab File: BN027132.D
 Acq: 25 Aug 2023 23:23

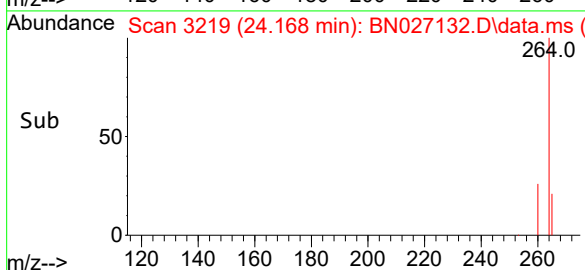
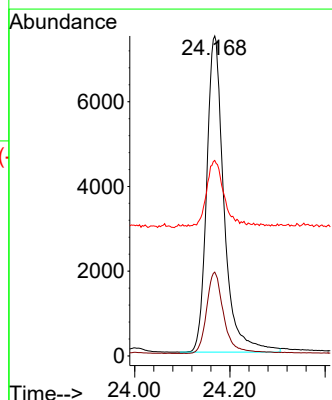
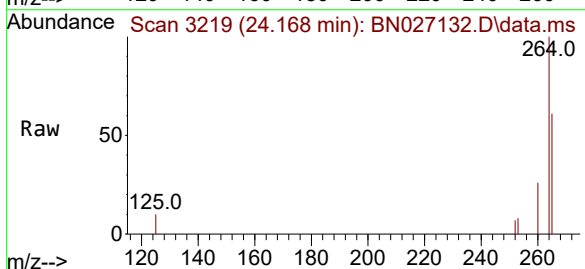
Instrument :
 BNA_N
 ClientSampleId :
 MW179D2-20230814

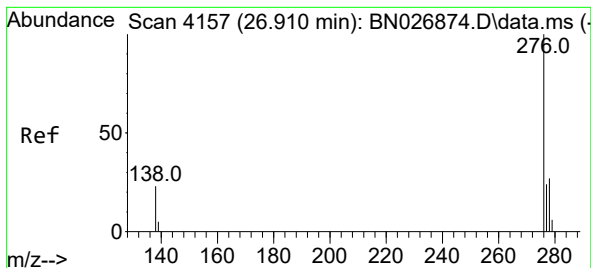
Tgt Ion:149 Resp: 2303
 Ion Ratio Lower Upper
 149 100
 167 23.3 21.4 32.0
 279 2.6 3.6 5.4#



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.168 min Scan# 3219
 Delta R.T. -0.003 min
 Lab File: BN027132.D
 Acq: 25 Aug 2023 23:23

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#

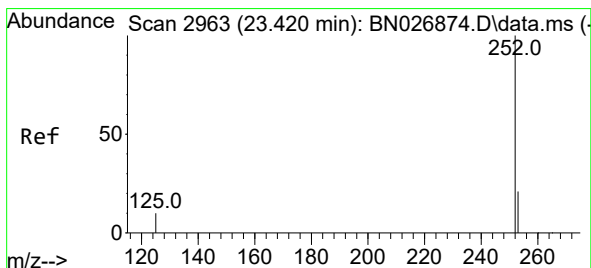
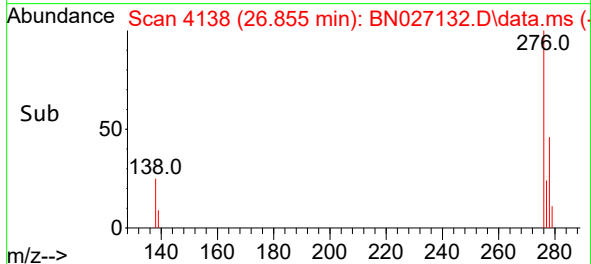
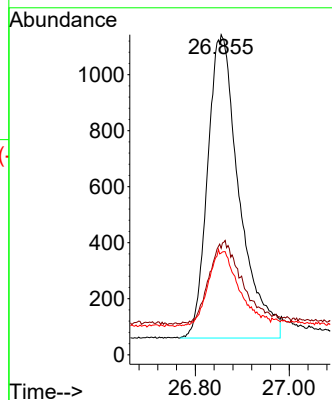
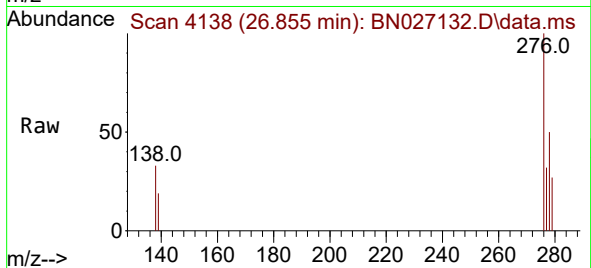




#36
Indeno(1,2,3-cd)pyrene
Concen: 0.066 ng
RT: 26.855 min Scan# 4157
Delta R.T. 0.003 min
Lab File: BN027132.D
Acq: 25 Aug 2023 23:23

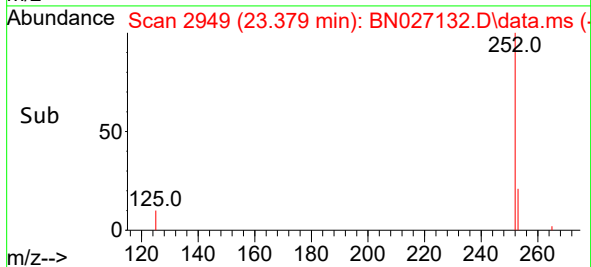
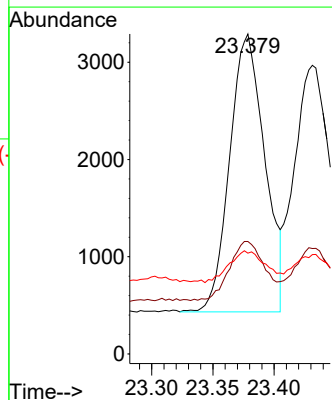
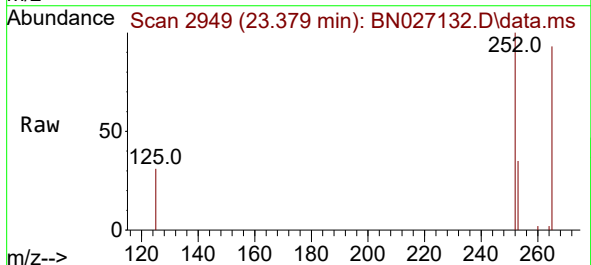
Instrument :
BNA_N
ClientSampleId :
MW179D2-20230814

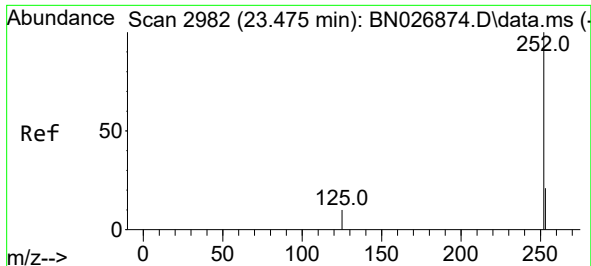
Tgt Ion:276 Resp: 5068
Ion Ratio Lower Upper
276 100
138 27.6 21.1 31.7
277 10.3 19.9 29.9#



#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

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#

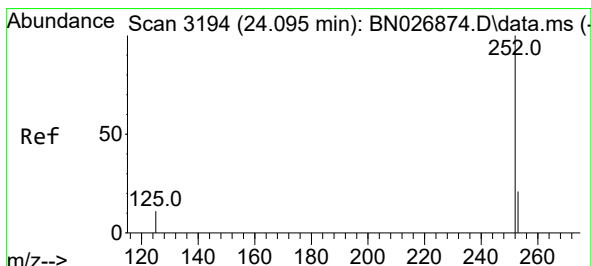
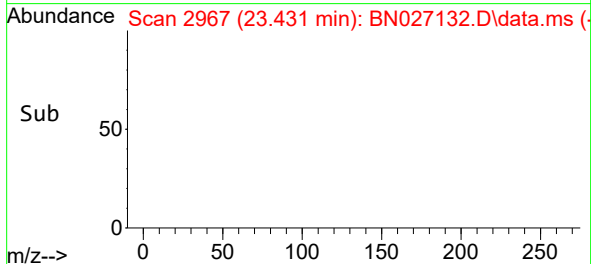
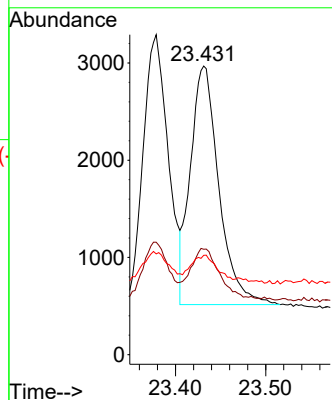
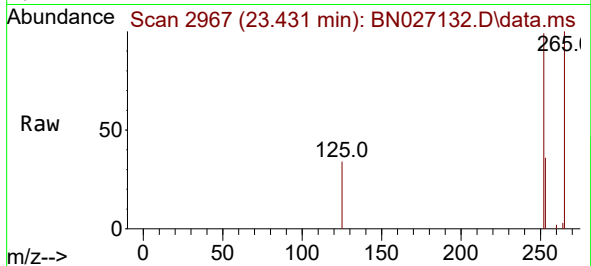




#38
Benzo(k)fluoranthene
Concen: 0.083 ng
RT: 23.431 min Scan# 2982
Delta R.T. -0.000 min
Lab File: BN027132.D
Acq: 25 Aug 2023 23:23

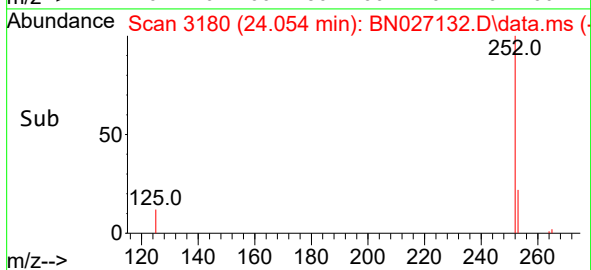
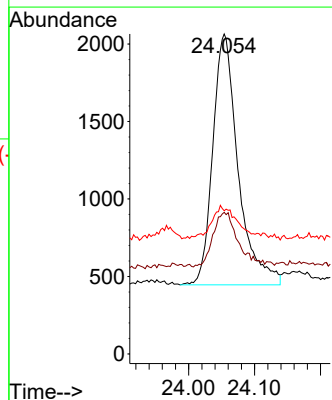
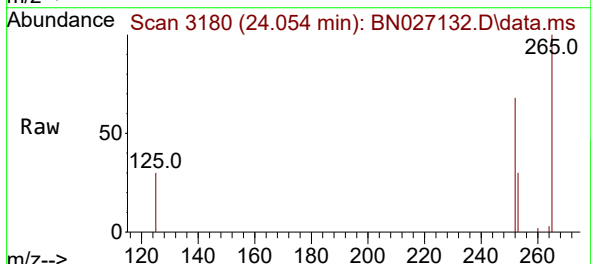
Instrument :
BNA_N
ClientSampleId :
MW179D2-20230814

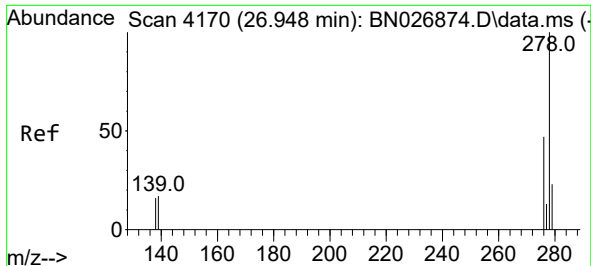
Tgt Ion:252 Resp: 5389
Ion Ratio Lower Upper
252 100
253 36.5 18.4 27.6#
125 34.4 10.2 15.2#



#39
Benzo(a)pyrene
Concen: 0.068 ng
RT: 24.054 min Scan# 3180
Delta R.T. -0.003 min
Lab File: BN027132.D
Acq: 25 Aug 2023 23:23

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#

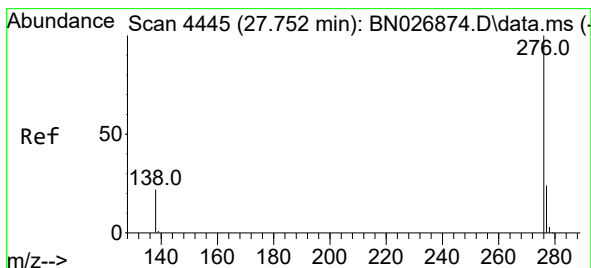
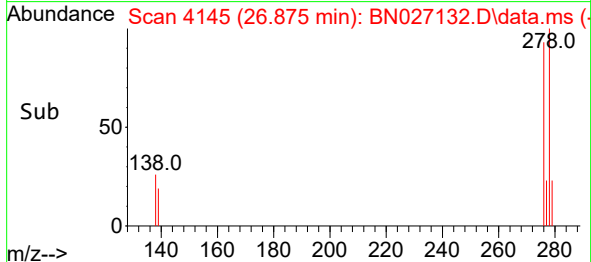
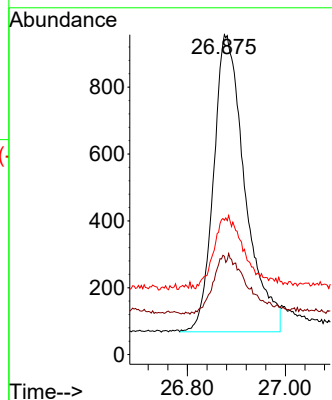
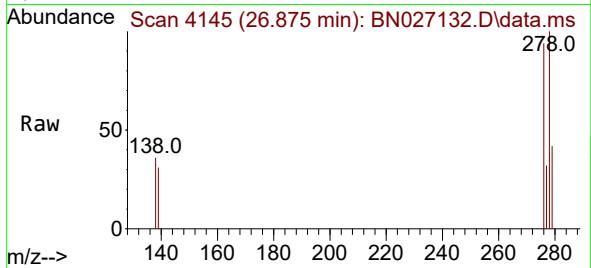




#40
Dibenzo(a,h)anthracene
Concen: 0.064 ng
RT: 26.875 min Scan# 41
Delta R.T. -0.006 min
Lab File: BN027132.D
Acq: 25 Aug 2023 23:23

Instrument :
BNA_N
ClientSampleId :
MW179D2-20230814

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# 4423
Delta R.T. -0.000 min
Lab File: BN027132.D
Acq: 25 Aug 2023 23:23

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#

