

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN083023\
 Data File : BN027276.D
 Acq On : 30 Aug 2023 15:28
 Operator : MA/JU
 Sample : 04128-11
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DUP08-20230822

Quant Time: Aug 31 04:28:33 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN082923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 29 05:37:30 2023
 Response via : Initial Calibration

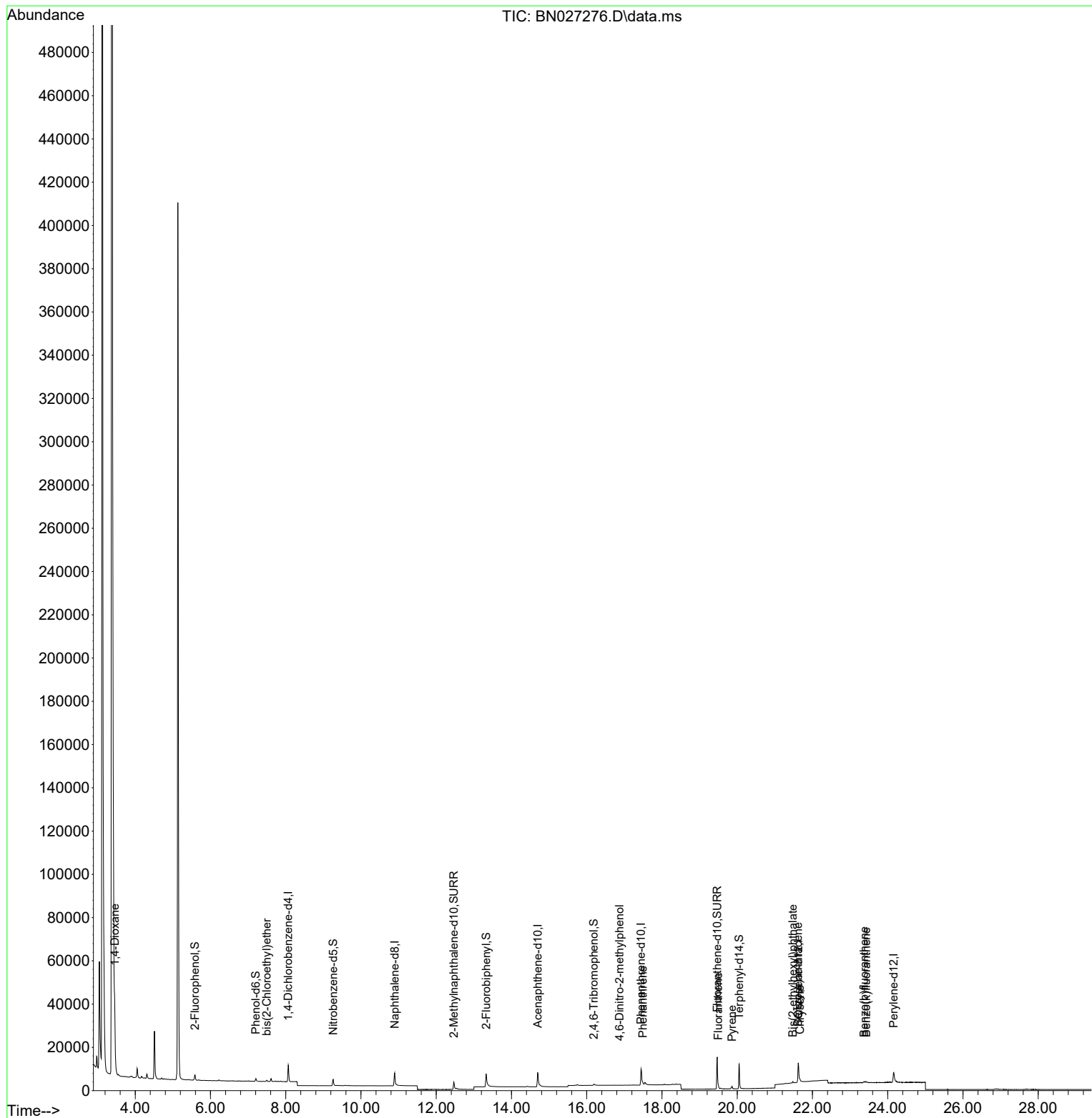
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.066	152	3923	0.400	ng	0.00
7) Naphthalene-d8	10.895	136	9940	0.400	ng	0.00
13) Acenaphthene-d10	14.694	164	5742	0.400	ng	0.00
19) Phenanthrene-d10	17.443	188	14448	0.400	ng	0.00
29) Chrysene-d12	21.623	240	10998	0.400	ng	# 0.00
35) Perylene-d12	24.159	264	9245	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.589	112	2228	0.218	ng	0.00
5) Phenol-d6	7.207	99	1433	0.115	ng	0.00
8) Nitrobenzene-d5	9.262	82	2905	0.401	ng	0.00
11) 2-Methylnaphthalene-d10	12.468	152	6613	0.453	ng	0.00
14) 2,4,6-Tribromophenol	16.189	330	475	0.223	ng	0.00
15) 2-Fluorobiphenyl	13.325	172	8042	0.368	ng	0.00
27) Fluoranthene-d10	19.467	212	18498	0.515	ng	0.00
31) Terphenyl-d14	20.052	244	12226	0.553	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.458	88	15734	3.285	ng	# 95
6) bis(2-Chloroethyl)ether	7.495	93	455	0.038	ng	95
20) 4,6-Dinitro-2-methylph...	16.872	198	5	0.024	ng	# 29
25) Phenanthrene	17.492	178	882	0.021	ng	# 92
28) Fluoranthene	19.495	202	1168	0.023	ng	# 94
30) Pyrene	19.862	202	1156	0.026	ng	99
32) Benzo(a)anthracene	21.614	228	896	0.024	ng	# 83
33) Chrysene	21.668	228	1048	0.025	ng	# 86
34) Bis(2-ethylhexyl)phtha...	21.480	149	641	0.035	ng	# 72
37) Benzo(b)fluoranthene	23.373	252	837	0.023	ng	# 1
38) Benzo(k)fluoranthene	23.425	252	787	0.021	ng	# 1

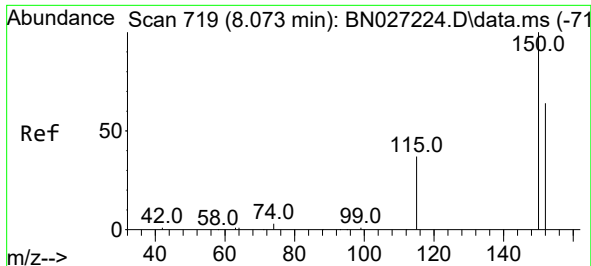
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 31 04:28:33 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN082923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 29 05:37:30 2023
Response via : Initial Calibration

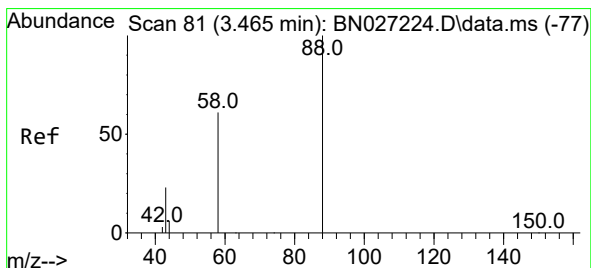
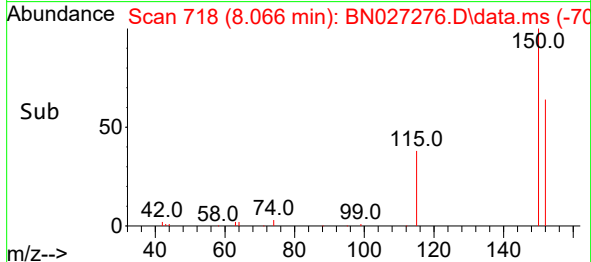
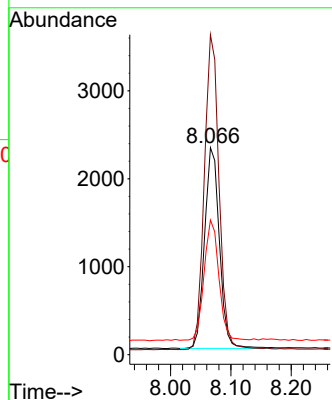
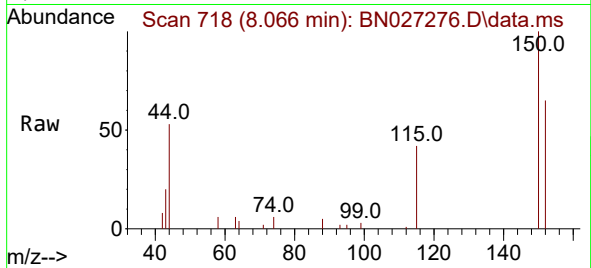




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.066 min Scan# 71
Delta R.T. -0.007 min
Lab File: BN027276.D
Acq: 30 Aug 2023 15:28

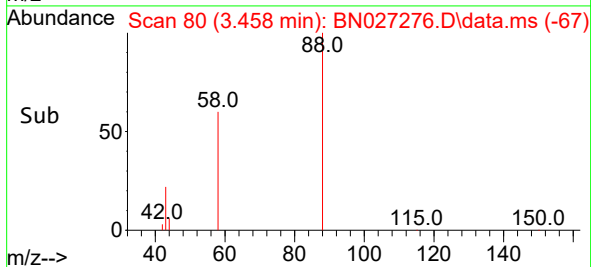
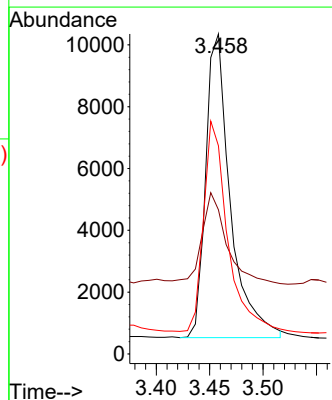
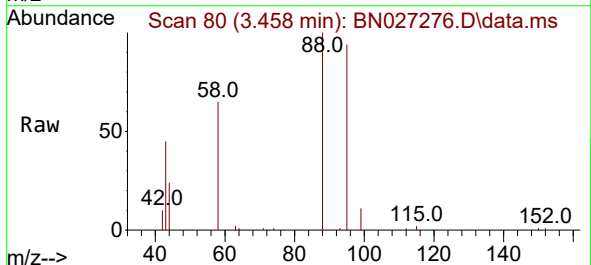
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DUP08-20230822

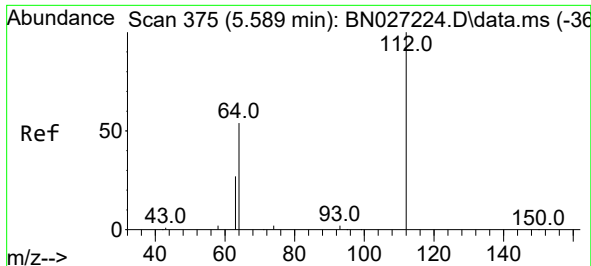
Tgt Ion:152 Resp: 3923
Ion Ratio Lower Upper
152 100
150 154.5 122.7 184.1
115 65.0 48.6 73.0



#2
1,4-Dioxane
Concen: 3.285 ng
RT: 3.458 min Scan# 80
Delta R.T. -0.007 min
Lab File: BN027276.D
Acq: 30 Aug 2023 15:28

Tgt Ion: 88 Resp: 15734
Ion Ratio Lower Upper
88 100
43 29.7 19.1 28.7#
58 67.3 52.2 78.2

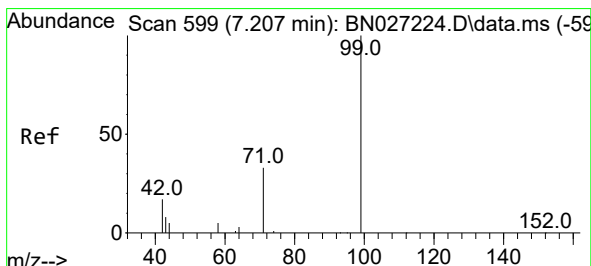
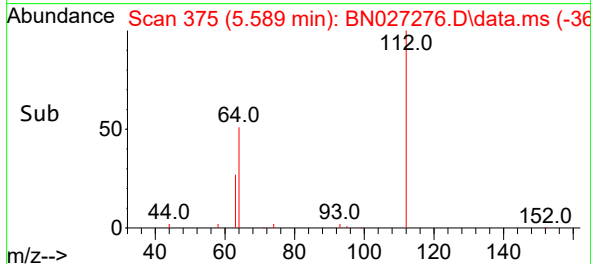
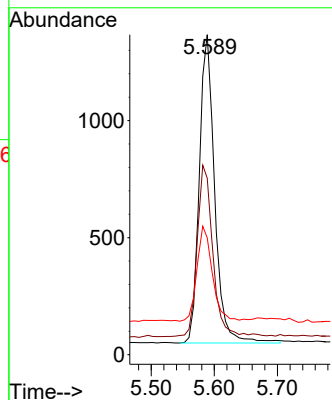
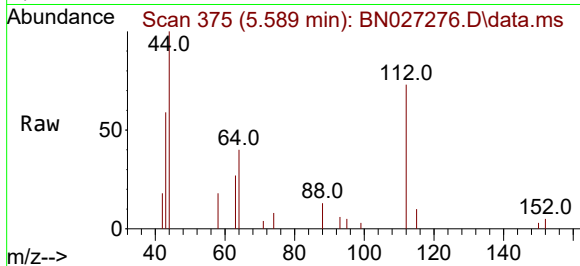




#4
2-Fluorophenol
Concen: 0.218 ng
RT: 5.589 min Scan# 31
Delta R.T. -0.000 min
Lab File: BN027276.D
Acq: 30 Aug 2023 15:28

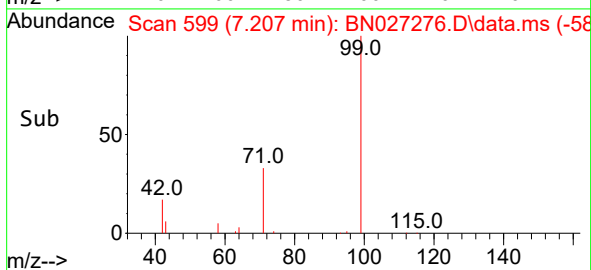
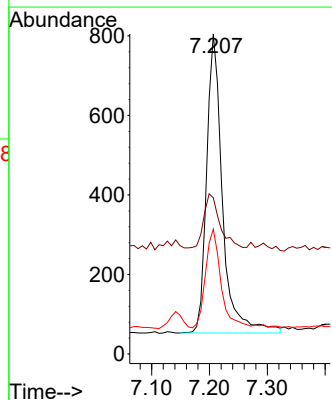
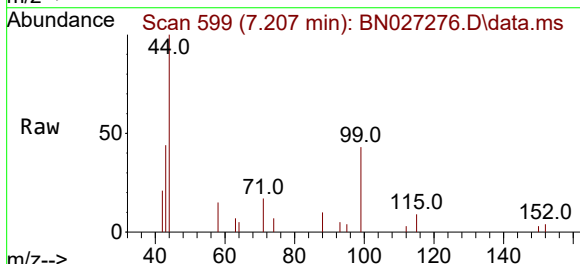
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BNA_N
ClientSampleId :
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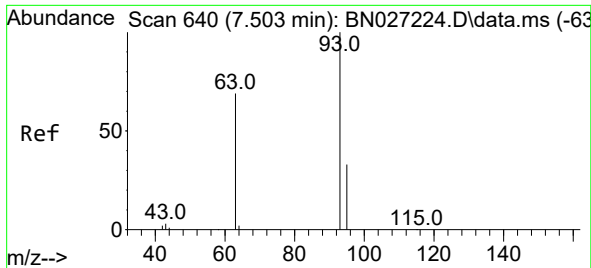
Tgt Ion:112 Resp: 2228
Ion Ratio Lower Upper
112 100
64 56.7 44.4 66.6
63 30.6 23.1 34.7



#5
Phenol-d6
Concen: 0.115 ng
RT: 7.207 min Scan# 599
Delta R.T. -0.000 min
Lab File: BN027276.D
Acq: 30 Aug 2023 15:28

Tgt Ion: 99 Resp: 1433
Ion Ratio Lower Upper
99 100
42 17.9 14.5 21.7
71 31.9 25.8 38.6

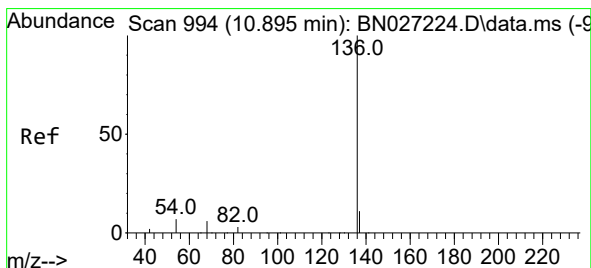
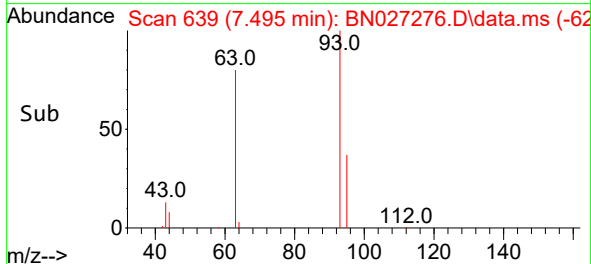
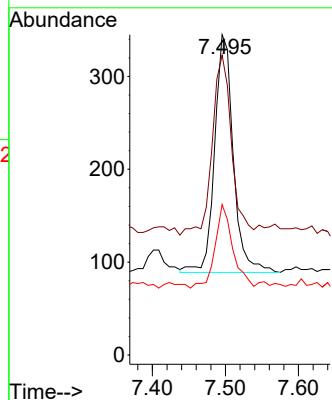
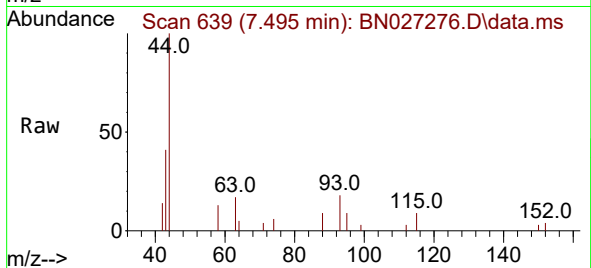




#6
bis(2-Chloroethyl)ether
Concen: 0.038 ng
RT: 7.495 min Scan# 611
Delta R.T. -0.007 min
Lab File: BN027276.D
Acq: 30 Aug 2023 15:28

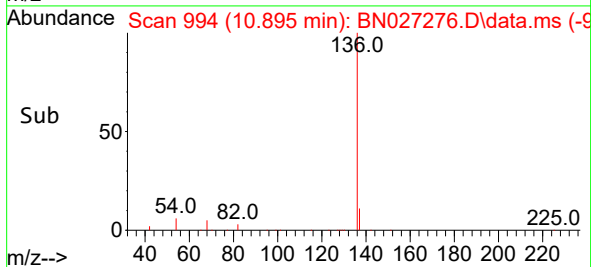
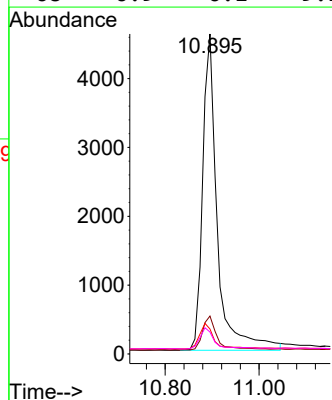
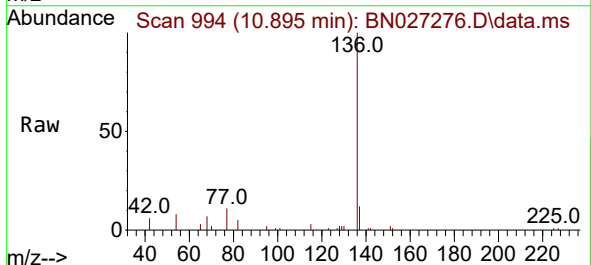
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ClientSampleId :
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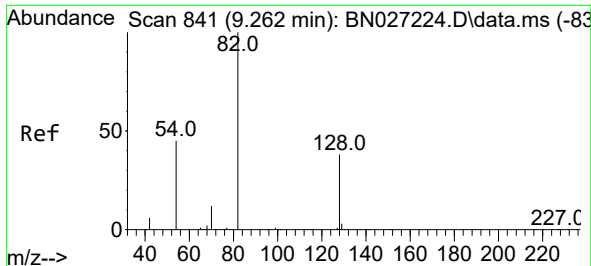
Tgt Ion: 93 Resp: 455
Ion Ratio Lower Upper
93 100
63 78.0 58.5 87.7
95 33.6 26.1 39.1



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.895 min Scan# 994
Delta R.T. -0.000 min
Lab File: BN027276.D
Acq: 30 Aug 2023 15:28

Tgt Ion: 136 Resp: 9940
Ion Ratio Lower Upper
136 100
137 11.9 9.3 13.9
54 7.8 6.7 10.1
68 6.9 6.1 9.1

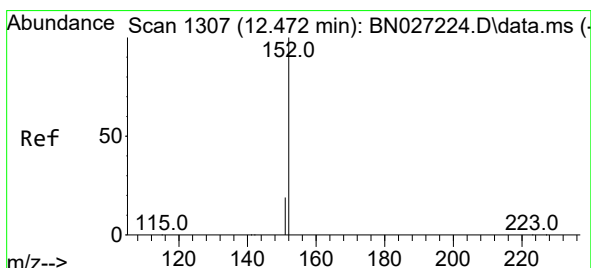
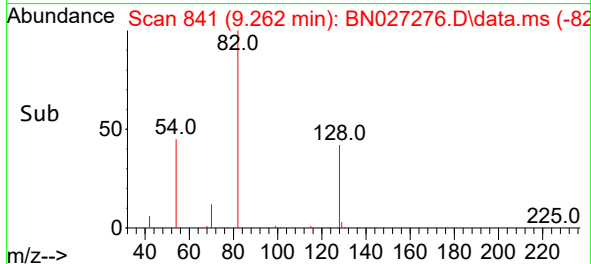
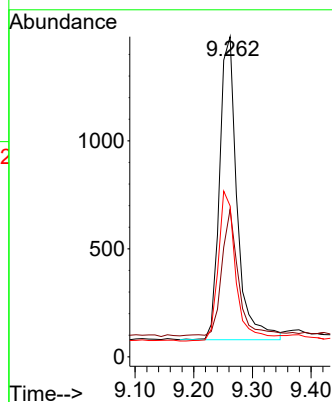
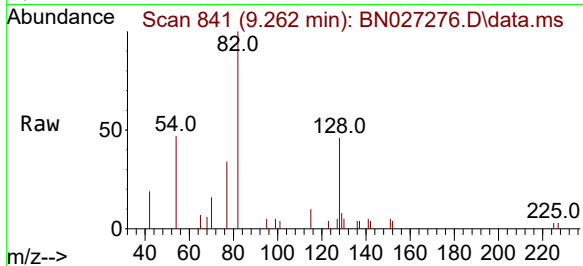




#8
Nitrobenzene-d5
Concen: 0.401 ng
RT: 9.262 min Scan# 841
Delta R.T. -0.000 min
Lab File: BN027276.D
Acq: 30 Aug 2023 15:28

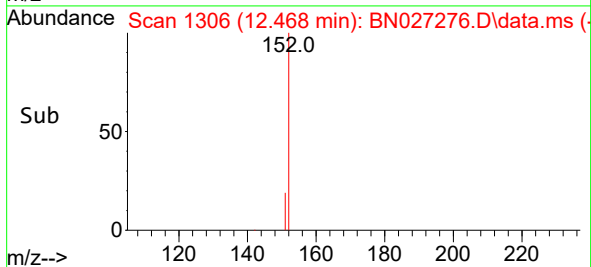
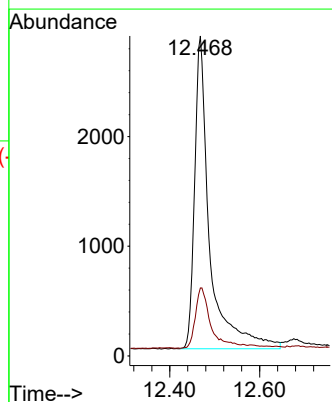
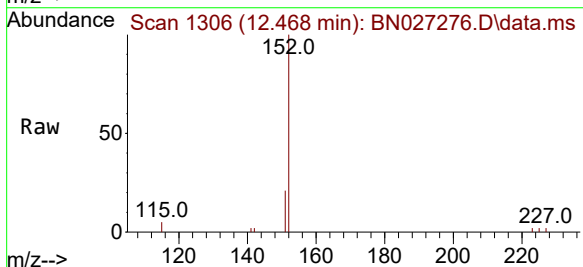
Instrument :
BNA_N
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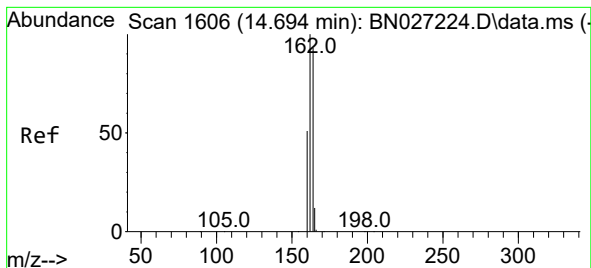
Tgt Ion: 82 Resp: 2905
Ion Ratio Lower Upper
82 100
128 46.1 33.4 50.0
54 47.1 37.7 56.5



#11
2-Methylnaphthalene-d10
Concen: 0.453 ng
RT: 12.468 min Scan# 1306
Delta R.T. -0.004 min
Lab File: BN027276.D
Acq: 30 Aug 2023 15:28

Tgt Ion: 152 Resp: 6613
Ion Ratio Lower Upper
152 100
151 19.7 16.6 25.0





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.694 min Scan# 1606

Delta R.T. -0.000 min

Lab File: BN027276.D

Acq: 30 Aug 2023 15:28

Instrument :

BNA_N

ClientSampleId :

DUP08-20230822

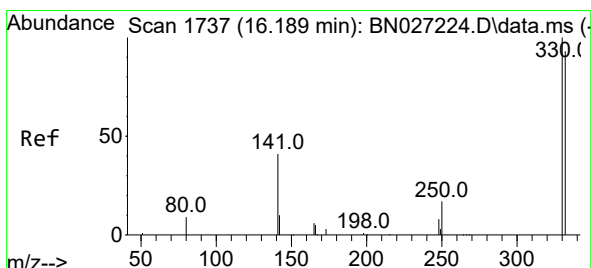
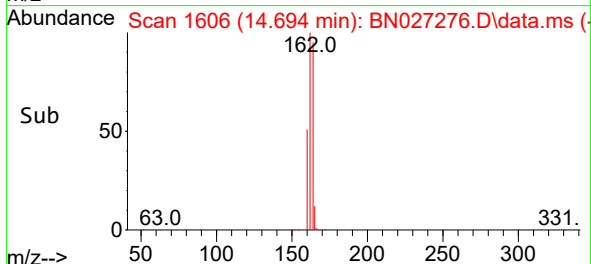
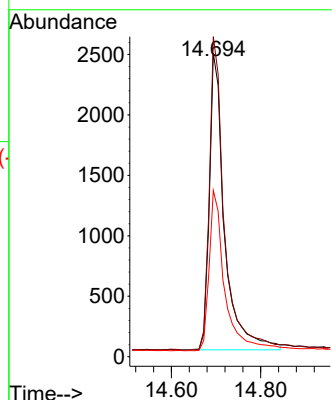
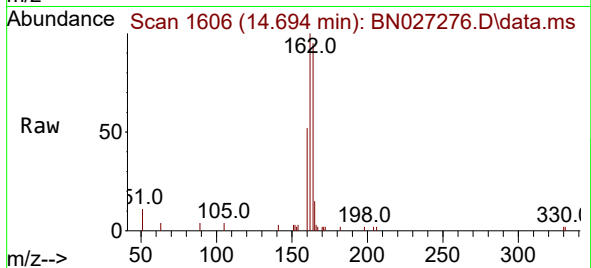
Tgt Ion:164 Resp: 5742

Ion Ratio Lower Upper

164 100

162 105.4 85.8 128.8

160 54.7 44.2 66.2



#14

2,4,6-Tribromophenol

Concen: 0.223 ng

RT: 16.189 min Scan# 1737

Delta R.T. -0.000 min

Lab File: BN027276.D

Acq: 30 Aug 2023 15:28

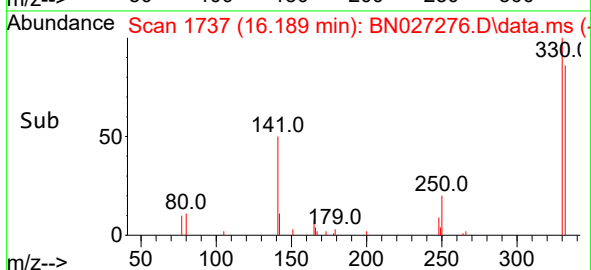
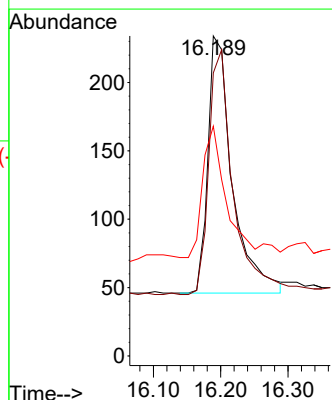
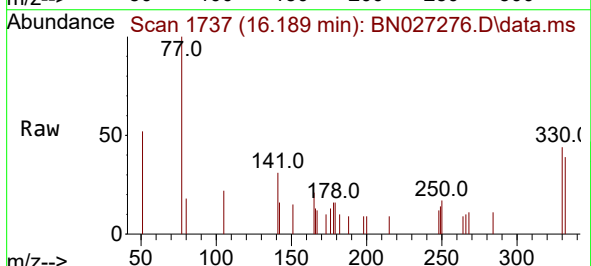
Tgt Ion:330 Resp: 475

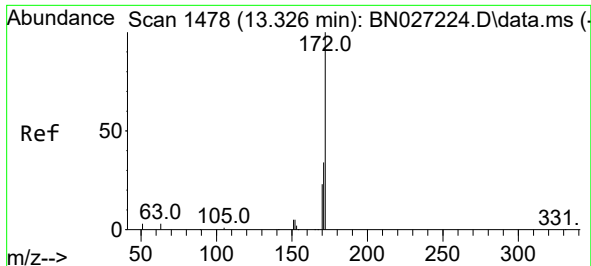
Ion Ratio Lower Upper

330 100

332 94.9 75.2 112.8

141 51.8 36.2 54.4

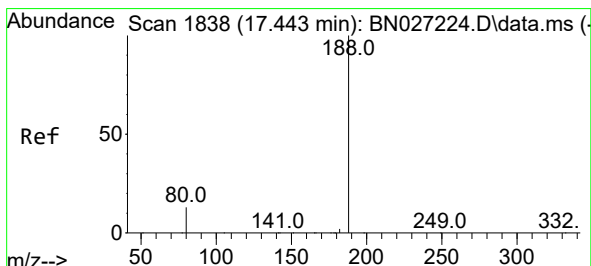
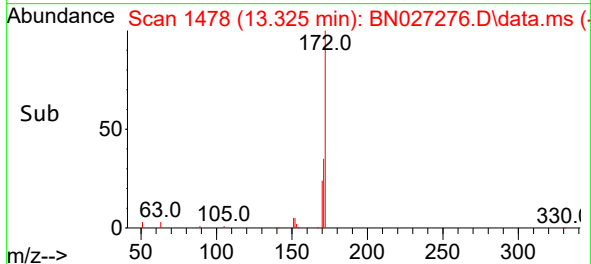
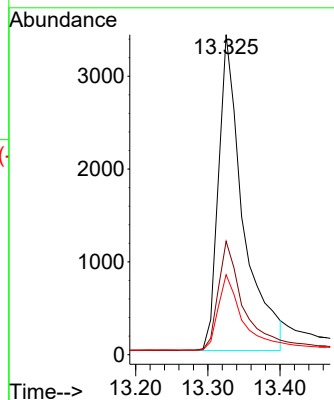
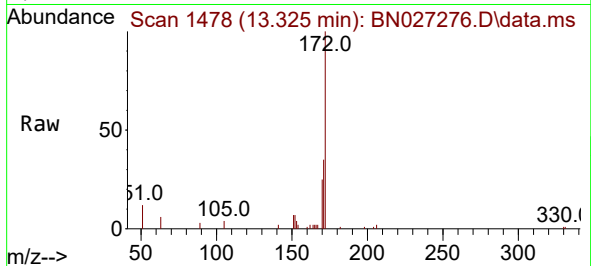




#15
2-Fluorobiphenyl
Concen: 0.368 ng
RT: 13.325 min Scan# 1478
Delta R.T. -0.000 min
Lab File: BN027276.D
Acq: 30 Aug 2023 15:28

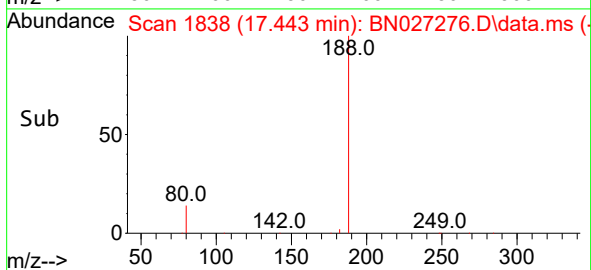
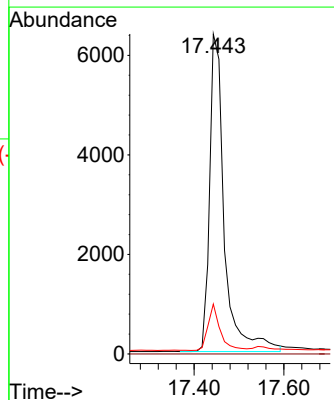
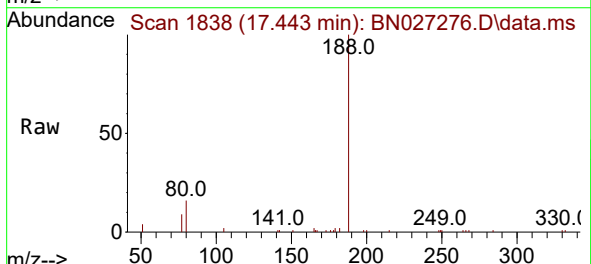
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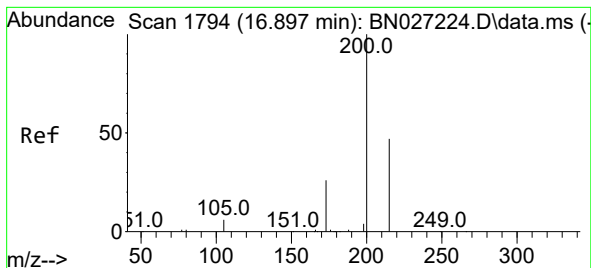
Tgt Ion:172 Resp: 8042
Ion Ratio Lower Upper
172 100
171 35.5 27.8 41.8
170 25.0 19.3 28.9



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.443 min Scan# 1838
Delta R.T. -0.000 min
Lab File: BN027276.D
Acq: 30 Aug 2023 15:28

Tgt Ion:188 Resp: 14448
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 15.6 11.0 16.6

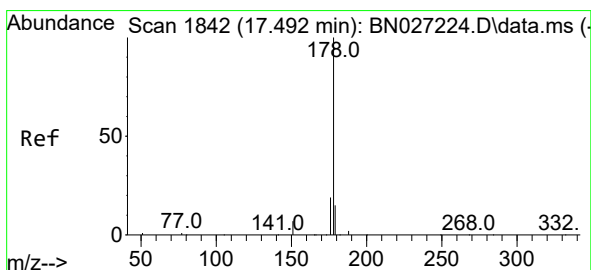
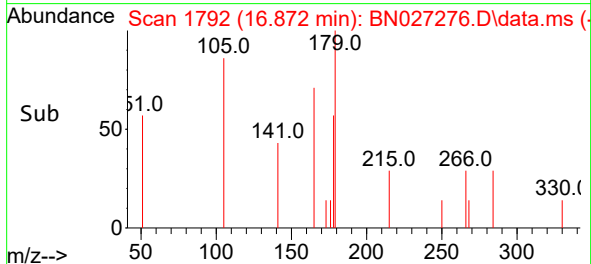
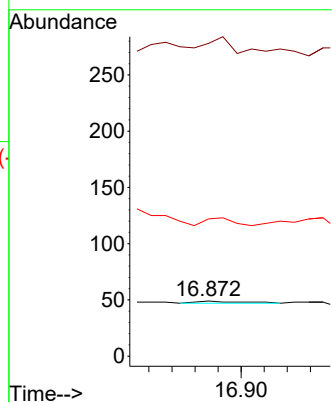
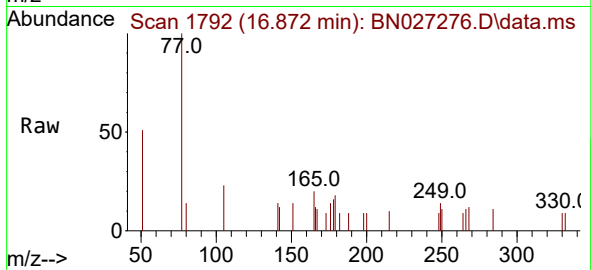




#20
4,6-Dinitro-2-methylphenol
Concen: 0.024 ng
RT: 16.872 min Scan# 11
Delta R.T. -0.025 min
Lab File: BN027276.D
Acq: 30 Aug 2023 15:28

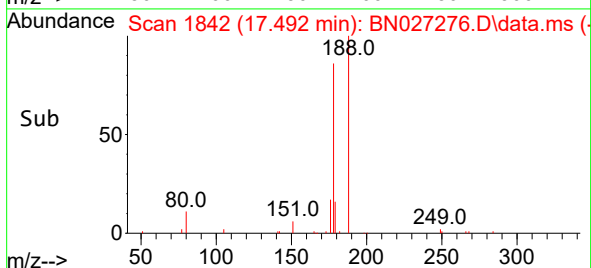
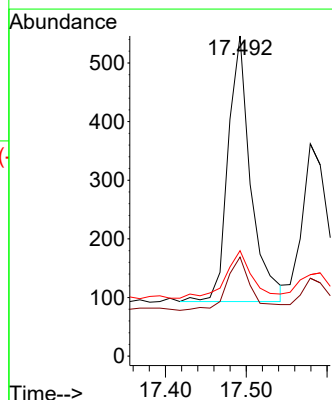
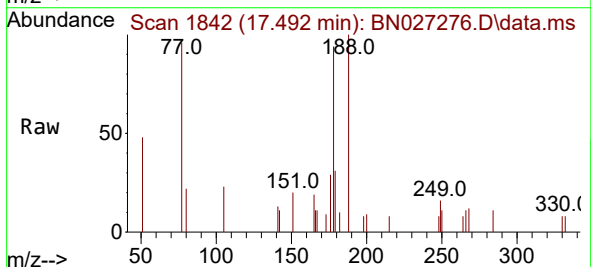
Instrument :
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DUP08-20230822

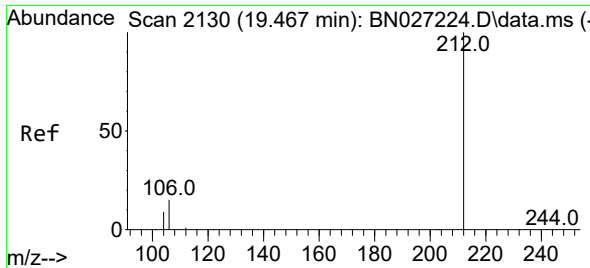
Tgt Ion:198 Resp: 5
Ion Ratio Lower Upper
198 100
51 567.3 282.2 423.2#
105 249.0 168.7 253.1



#25
Phenanthrene
Concen: 0.021 ng
RT: 17.492 min Scan# 1842
Delta R.T. -0.000 min
Lab File: BN027276.D
Acq: 30 Aug 2023 15:28

Tgt Ion:178 Resp: 882
Ion Ratio Lower Upper
178 100
176 21.7 15.6 23.4
179 20.6 12.3 18.5#

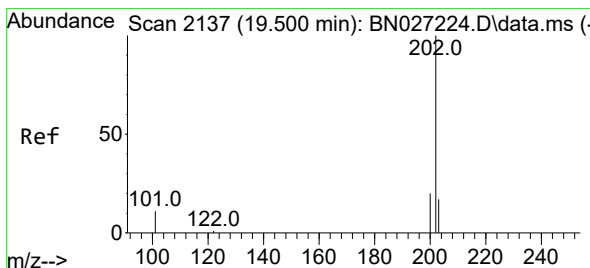
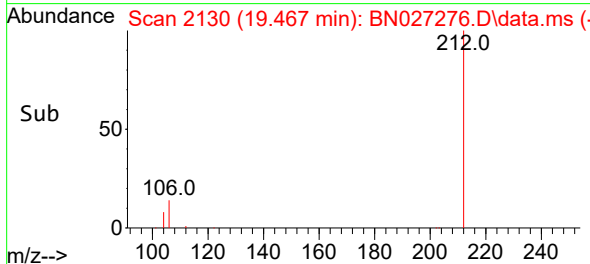
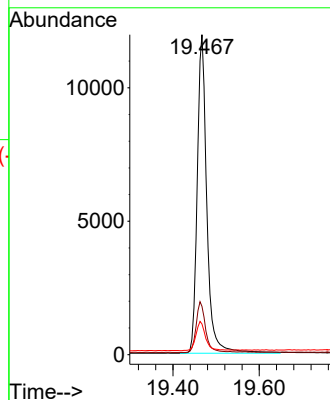
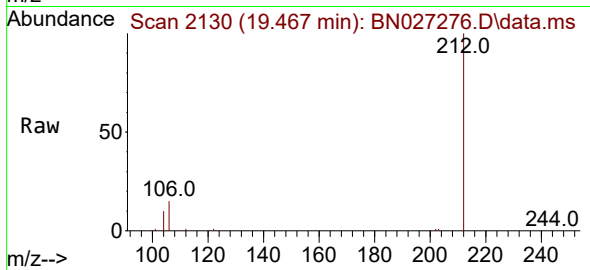




#27
Fluoranthene-d10
Concen: 0.515 ng
RT: 19.467 min Scan# 2130
Delta R.T. -0.000 min
Lab File: BN027276.D
Acq: 30 Aug 2023 15:28

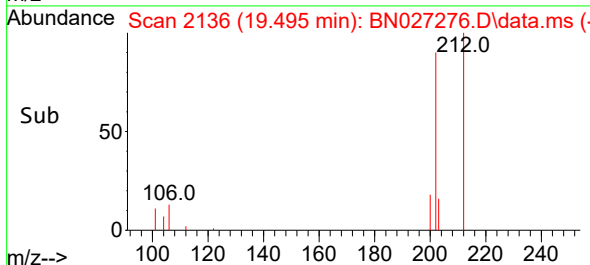
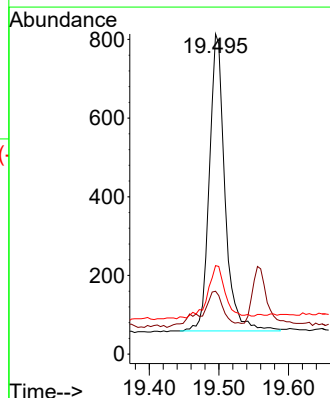
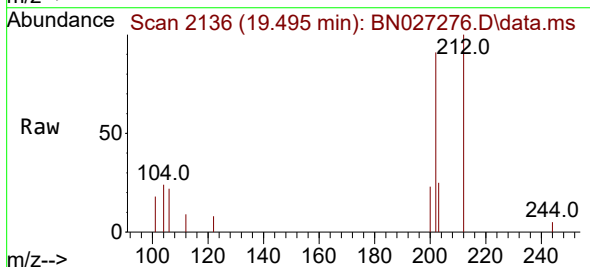
Instrument :
BNA_N
ClientSampleId :
DUP08-20230822

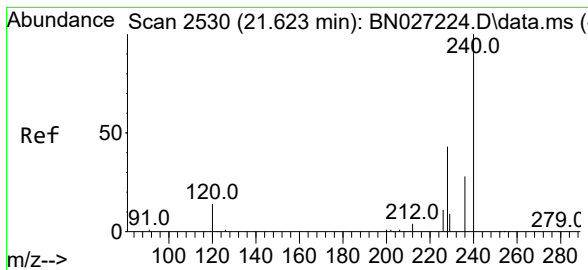
Tgt Ion:212 Resp: 18498
Ion Ratio Lower Upper
212 100
106 15.7 12.1 18.1
104 9.1 6.9 10.3



#28
Fluoranthene
Concen: 0.023 ng
RT: 19.495 min Scan# 2136
Delta R.T. -0.005 min
Lab File: BN027276.D
Acq: 30 Aug 2023 15:28

Tgt Ion:202 Resp: 1168
Ion Ratio Lower Upper
202 100
101 12.1 9.6 14.4
203 21.1 13.6 20.4#





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.623 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN027276.D

Acq: 30 Aug 2023 15:28

Instrument :

BNA_N

ClientSampleId :

DUP08-20230822

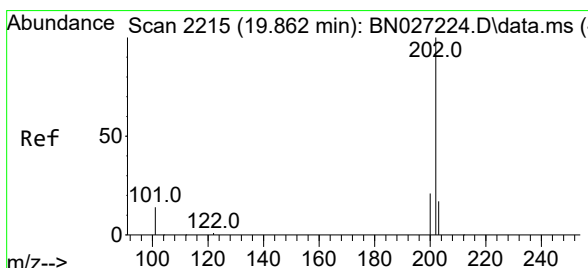
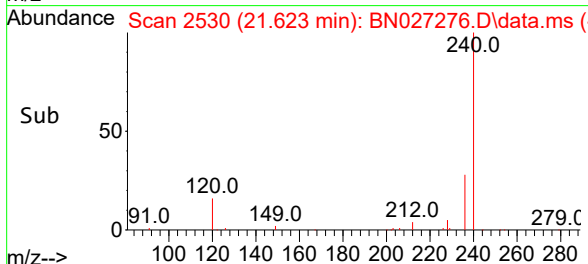
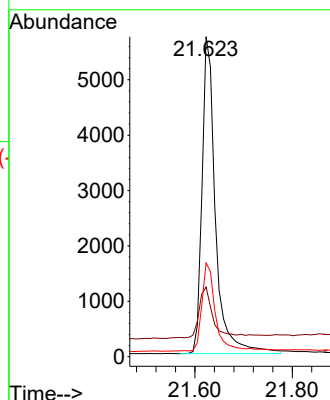
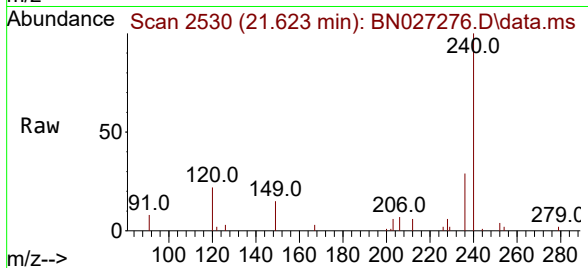
Tgt Ion:240 Resp: 10998

Ion Ratio Lower Upper

240 100

120 21.8 14.2 21.4#

236 29.3 22.9 34.3



#30

Pyrene

Concen: 0.026 ng

RT: 19.862 min Scan# 2215

Delta R.T. -0.000 min

Lab File: BN027276.D

Acq: 30 Aug 2023 15:28

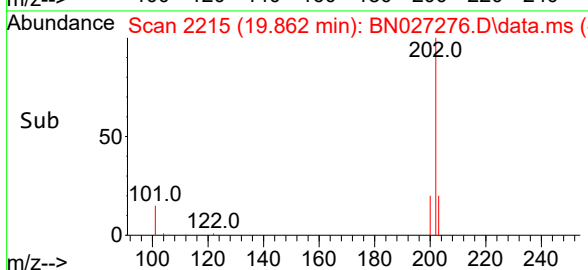
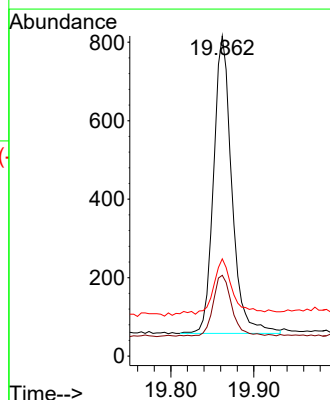
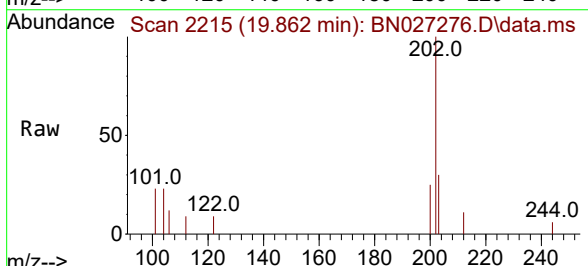
Tgt Ion:202 Resp: 1156

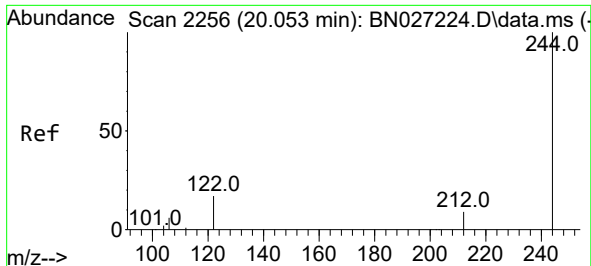
Ion Ratio Lower Upper

202 100

200 21.0 16.6 25.0

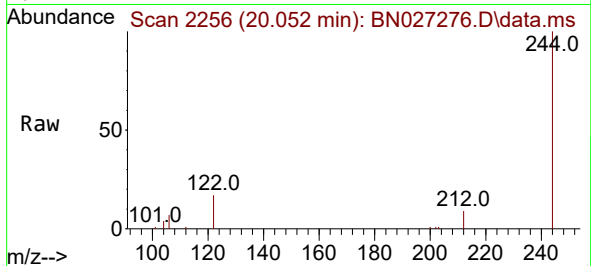
203 18.8 14.2 21.4



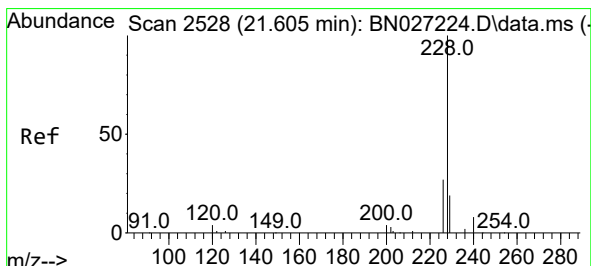
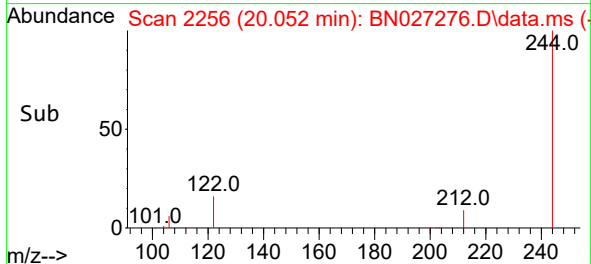
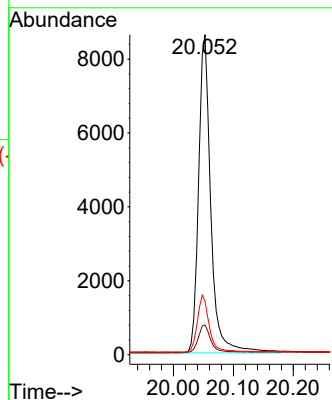


#31
 Terphenyl-d14
 Concen: 0.553 ng
 RT: 20.052 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BN027276.D
 Acq: 30 Aug 2023 15:28

Instrument :
 BNA_N
 ClientSampleId :
 DUP08-20230822

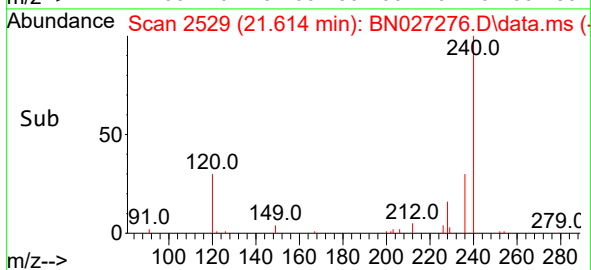
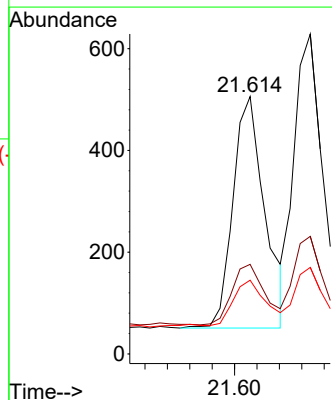
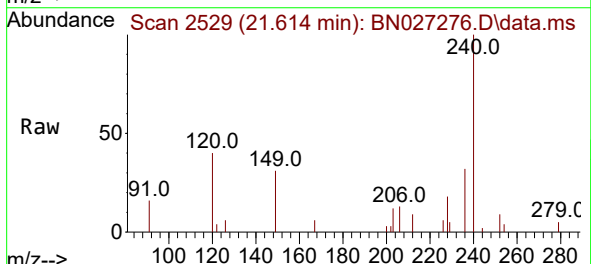


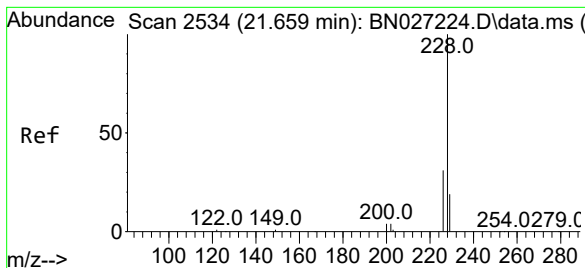
Tgt Ion:244 Resp: 12226
 Ion Ratio Lower Upper
 244 100
 212 9.3 7.5 11.3
 122 16.7 14.0 21.0



#32
 Benzo(a)anthracene
 Concen: 0.024 ng
 RT: 21.614 min Scan# 2529
 Delta R.T. 0.009 min
 Lab File: BN027276.D
 Acq: 30 Aug 2023 15:28

Tgt Ion:228 Resp: 896
 Ion Ratio Lower Upper
 228 100
 226 34.8 21.9 32.9#
 229 28.7 15.7 23.5#





#33

Chrysene

Concen: 0.025 ng

RT: 21.668 min Scan# 21

Delta R.T. 0.009 min

Lab File: BN027276.D

Acq: 30 Aug 2023 15:28

Instrument :

BNA_N

ClientSampleId :

DUP08-20230822

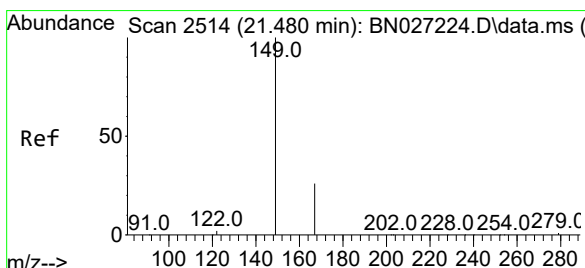
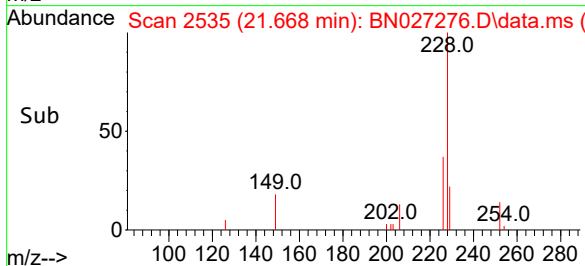
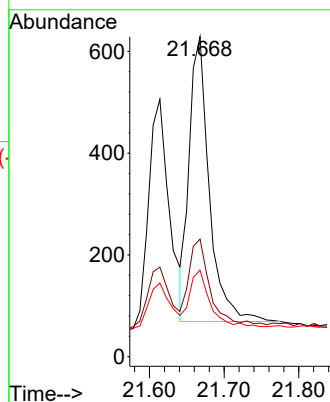
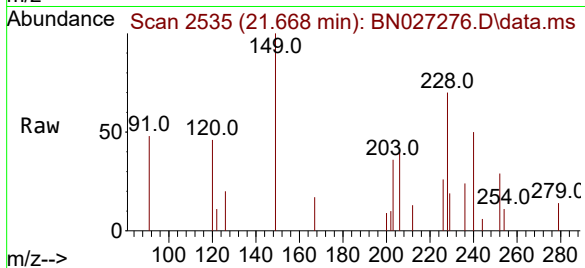
Tgt Ion:228 Resp: 1048

Ion Ratio Lower Upper

228 100

226 36.7 24.3 36.5#

229 27.0 15.4 23.2#



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.035 ng

RT: 21.480 min Scan# 2514

Delta R.T. -0.000 min

Lab File: BN027276.D

Acq: 30 Aug 2023 15:28

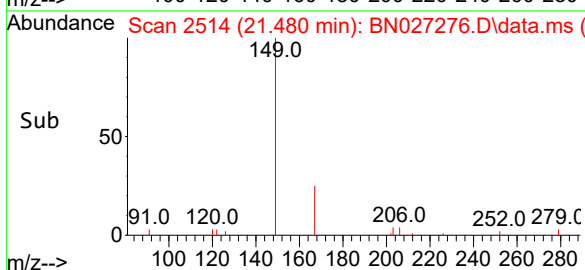
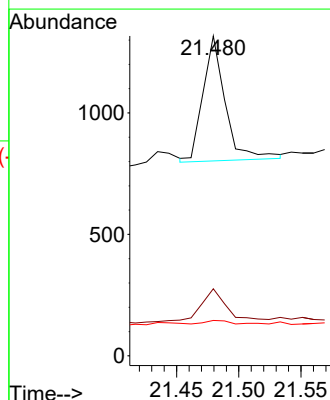
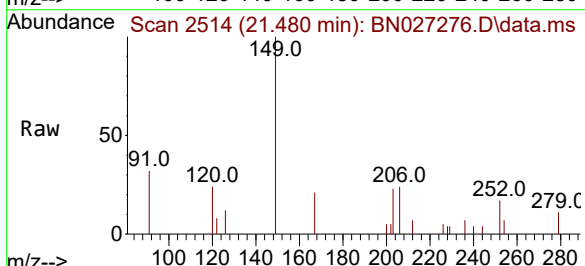
Tgt Ion:149 Resp: 641

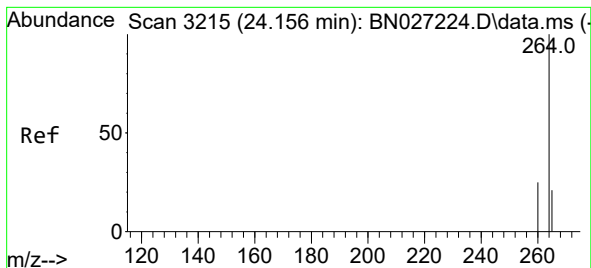
Ion Ratio Lower Upper

149 100

167 43.7 22.1 33.1#

279 3.0 2.7 4.1





#35

Perylene-d12

Concen: 0.400 ng

RT: 24.159 min Scan# 31

Delta R.T. 0.003 min

Lab File: BN027276.D

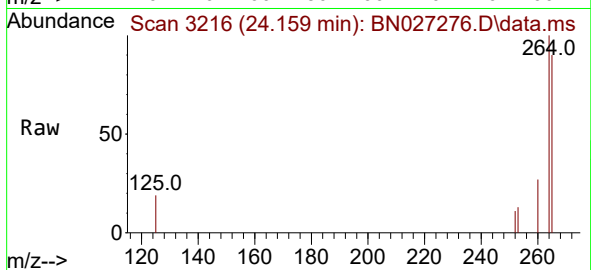
Acq: 30 Aug 2023 15:28

Instrument :

BNA_N

ClientSampleId :

DUP08-20230822



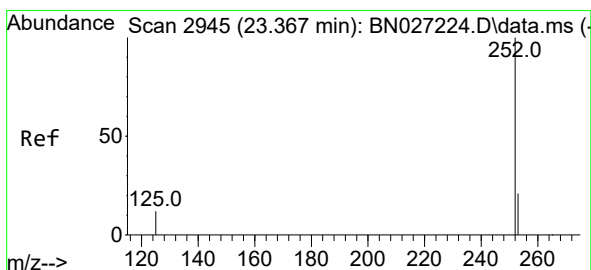
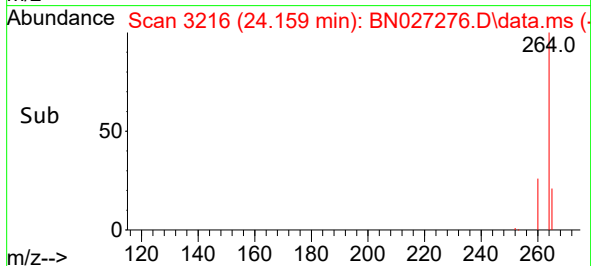
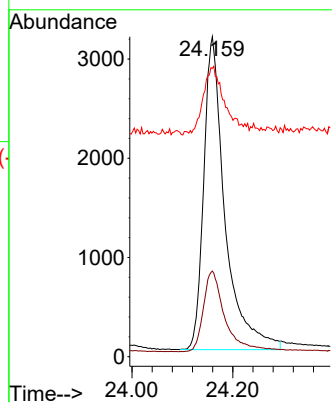
Tgt Ion:264 Resp: 9245

Ion Ratio Lower Upper

264 100

260 26.8 20.7 31.1

265 90.1 53.3 79.9#



#37

Benzo(b)fluoranthene

Concen: 0.023 ng

RT: 23.373 min Scan# 2947

Delta R.T. 0.006 min

Lab File: BN027276.D

Acq: 30 Aug 2023 15:28

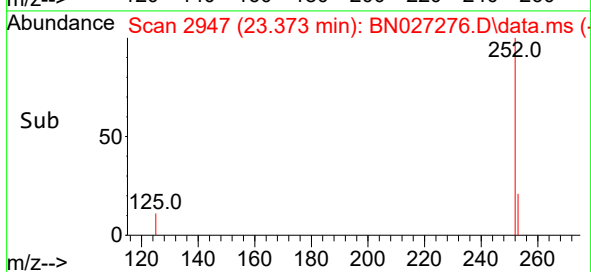
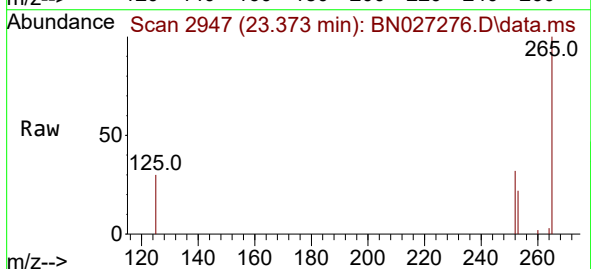
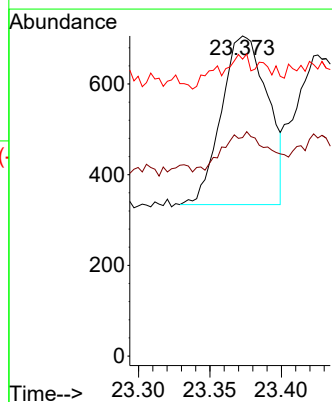
Tgt Ion:252 Resp: 837

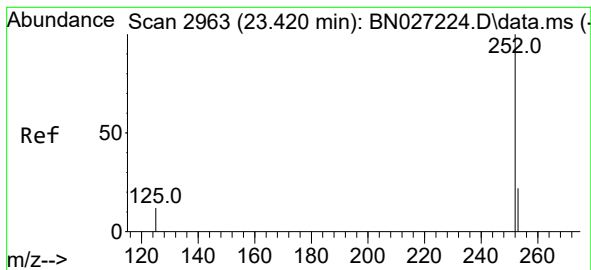
Ion Ratio Lower Upper

252 100

253 68.3 19.9 29.9#

125 92.8 13.8 20.6#





#38

Benzo(k)fluoranthene

Concen: 0.021 ng

RT: 23.425 min Scan# 2965

Delta R.T. 0.006 min

Lab File: BN027276.D

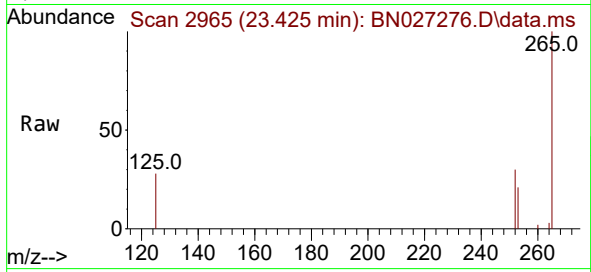
Acq: 30 Aug 2023 15:28

Instrument :

BNA_N

ClientSampleId :

DUP08-20230822



Tgt Ion:252 Resp: 787

Ion Ratio Lower Upper

252 100

253 72.4 20.2 30.2#

125 95.3 14.1 21.1#

