

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN022624\
 Data File : BN030075.D
 Acq On : 27 Feb 2024 02:38
 Operator : MA/JU
 Sample : P1578-05
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RE115D1-20240222

Quant Time: Feb 27 03:05:49 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN012924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 26 02:39:45 2024
 Response via : Initial Calibration

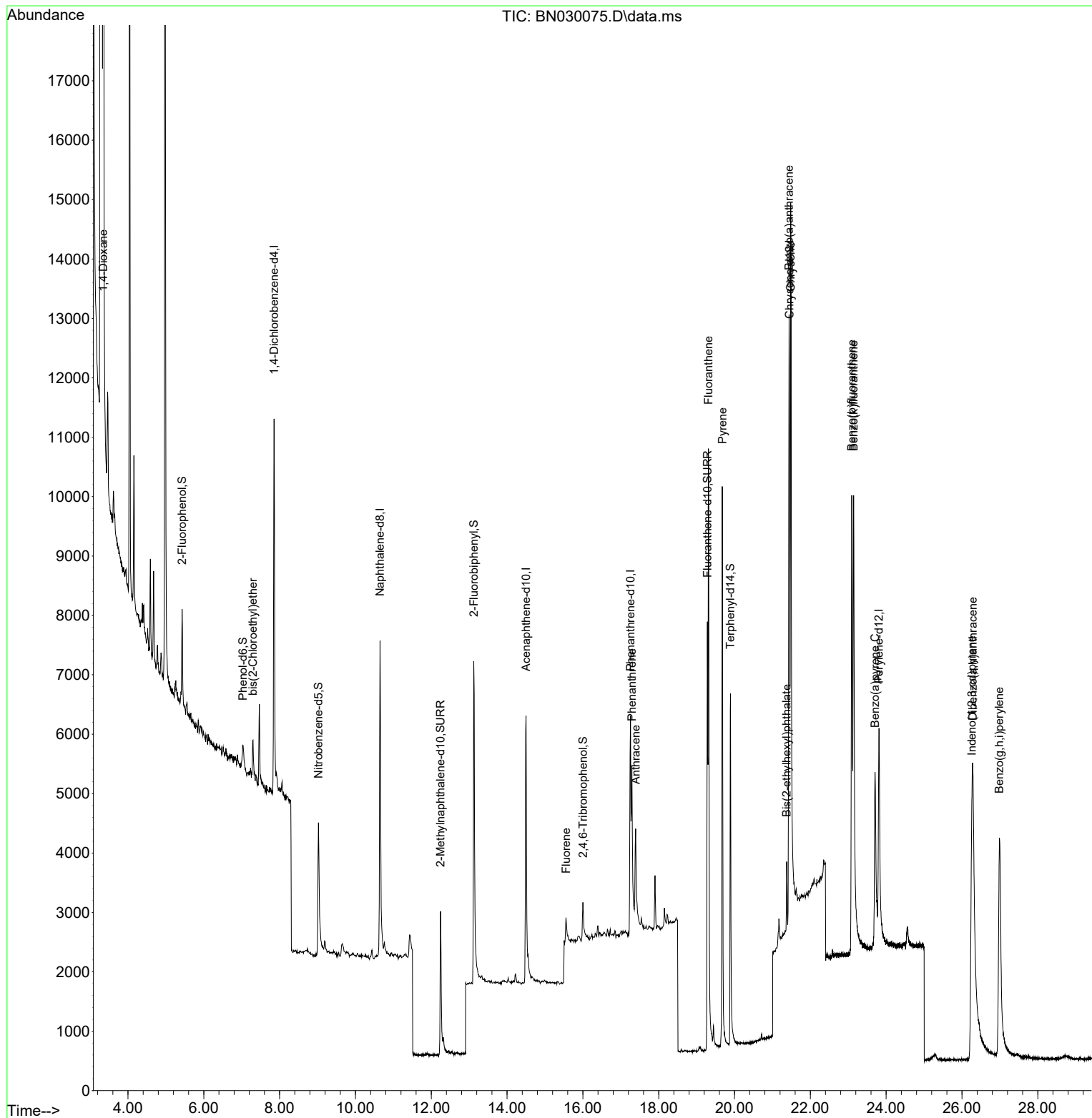
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.854	152	3358	0.400	ng	0.00
7) Naphthalene-d8	10.648	136	8651	0.400	ng	# 0.00
13) Acenaphthene-d10	14.500	164	3763	0.400	ng	0.01
19) Phenanthrene-d10	17.255	188	7858	0.400	ng	0.00
29) Chrysene-d12	21.447	240	6652	0.400	ng	0.00
35) Perylene-d12	23.812	264	6521	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.428	112	1356	0.168	ng	0.00
5) Phenol-d6	7.031	99	720	0.077	ng	0.00
8) Nitrobenzene-d5	9.025	82	2898	0.402	ng	0.01
11) 2-Methylnaphthalene-d10	12.246	152	4733	0.402	ng	0.00
14) 2,4,6-Tribromophenol	16.002	330	547	0.453	ng	0.00
15) 2-Fluorobiphenyl	13.121	172	6663	0.412	ng	0.00
27) Fluoranthene-d10	19.285	212	9549	0.502	ng	0.00
31) Terphenyl-d14	19.893	244	7406	0.449	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.348	88	24322	5.145	ng	# 94
6) bis(2-Chloroethyl)ether	7.298	93	685	0.077	ng	100
18) Fluorene	15.555	166	532	0.035	ng	97
25) Phenanthrene	17.293	178	3281	0.141	ng	98
26) Anthracene	17.392	178	2779	0.140	ng	98
28) Fluoranthene	19.313	202	10282	0.393	ng	99
30) Pyrene	19.680	202	9884	0.323	ng	100
32) Benzo(a)anthracene	21.438	228	8614	0.379	ng	100
33) Chrysene	21.483	228	12276	0.475	ng	99
34) Bis(2-ethylhexyl)phtha...	21.375	149	1093	0.071	ng	# 96
36) Indeno(1,2,3-cd)pyrene	26.259	276	11837	0.452	ng	# 80
37) Benzo(b)fluoranthene	23.092	252	11333	0.486	ng	98
38) Benzo(k)fluoranthene	23.142	252	11640	0.477	ng	98
39) Benzo(a)pyrene	23.706	252	6983	0.344	ng	# 90
40) Dibenzo(a,h)anthracene	26.285	278	9471	0.454	ng	98
41) Benzo(g,h,i)perylene	26.987	276	10889	0.428	ng	98

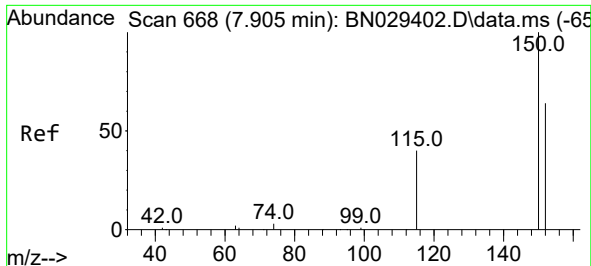
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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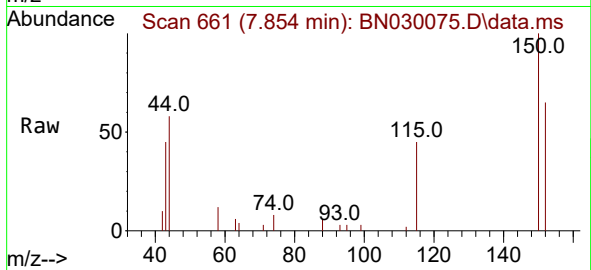
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN012924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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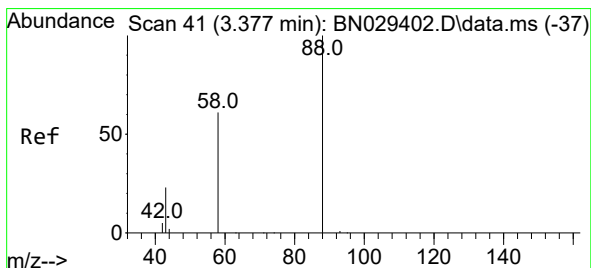
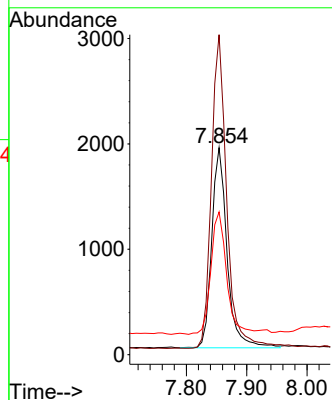
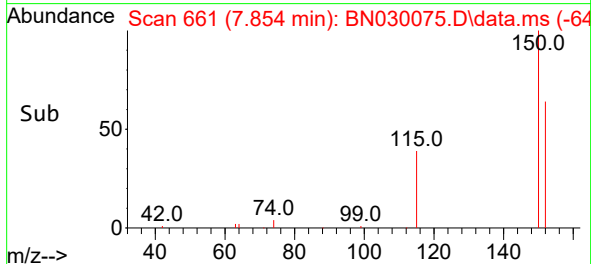


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.854 min Scan# 6
 Delta R.T. 0.000 min
 Lab File: BN030075.D
 Acq: 27 Feb 2024 02:38

Instrument :
 BNA_N
 ClientSampleId :
 RE115D1-20240222

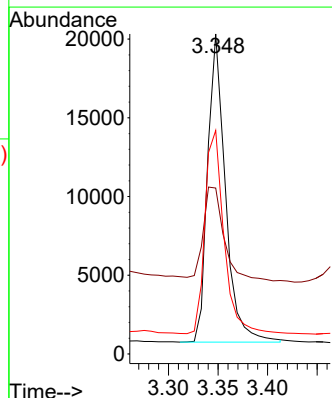
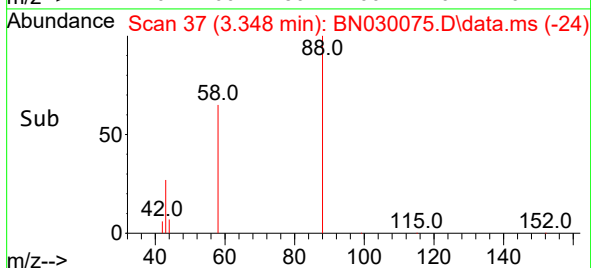
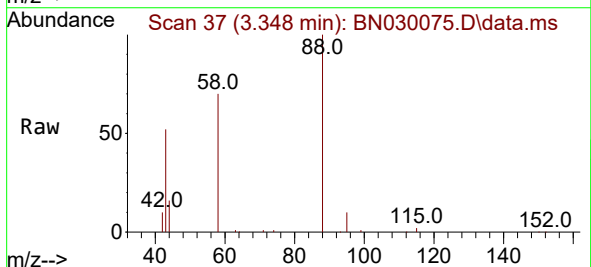


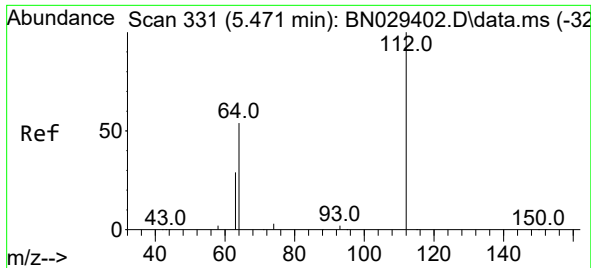
Tgt Ion:152 Resp: 3358
 Ion Ratio Lower Upper
 152 100
 150 154.5 123.0 184.4
 115 68.9 51.4 77.0



#2
 1,4-Dioxane
 Concen: 5.145 ng
 RT: 3.348 min Scan# 37
 Delta R.T. -0.007 min
 Lab File: BN030075.D
 Acq: 27 Feb 2024 02:38

Tgt Ion: 88 Resp: 24322
 Ion Ratio Lower Upper
 88 100
 43 35.5 23.3 34.9#
 58 70.3 53.8 80.6

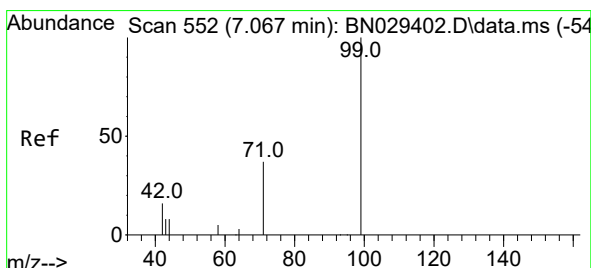
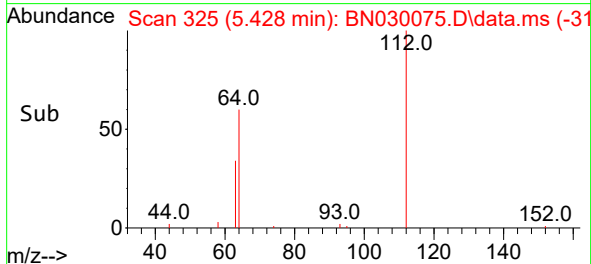
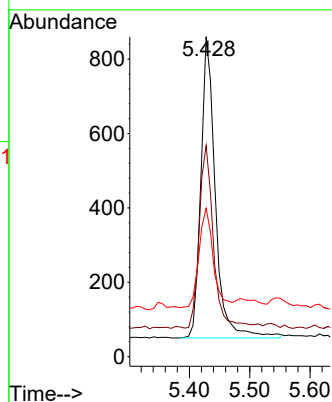
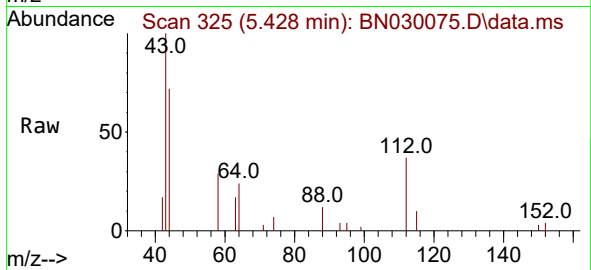




#4
2-Fluorophenol
Concen: 0.168 ng
RT: 5.428 min Scan# 31
Delta R.T. 0.000 min
Lab File: BN030075.D
Acq: 27 Feb 2024 02:38

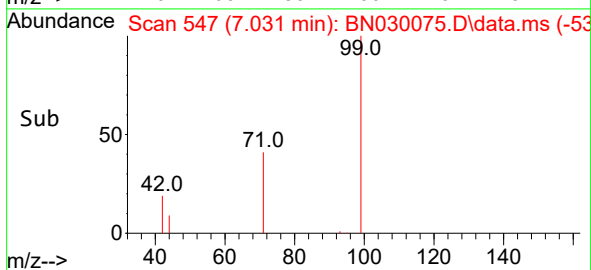
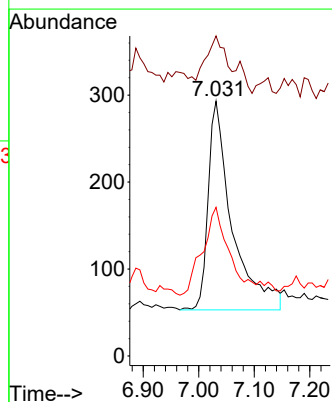
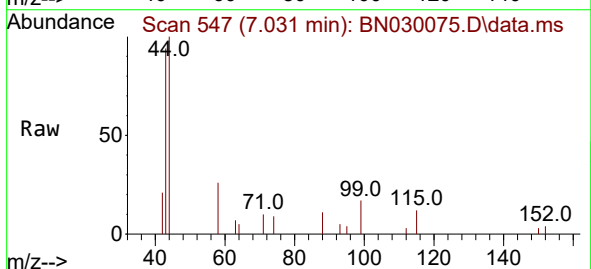
Instrument :
BNA_N
ClientSampleId :
RE115D1-20240222

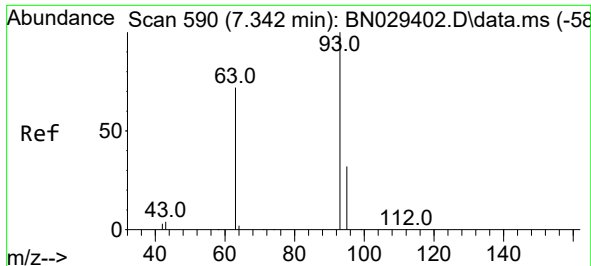
Tgt Ion:112 Resp: 1356
Ion Ratio Lower Upper
112 100
64 58.9 47.2 70.8
63 32.1 25.8 38.6



#5
Phenol-d6
Concen: 0.077 ng
RT: 7.031 min Scan# 547
Delta R.T. 0.007 min
Lab File: BN030075.D
Acq: 27 Feb 2024 02:38

Tgt Ion: 99 Resp: 720
Ion Ratio Lower Upper
99 100
42 15.6 16.9 25.3#
71 46.9 30.0 45.0#

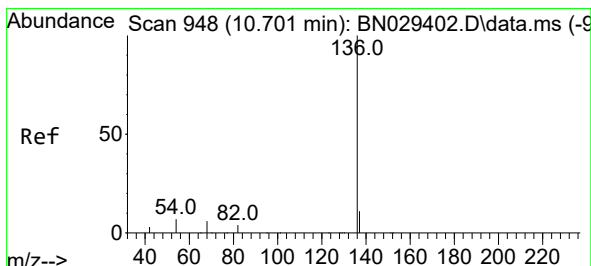
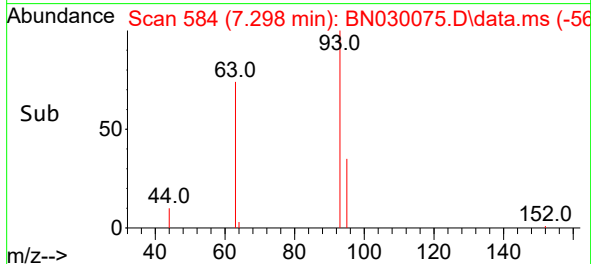
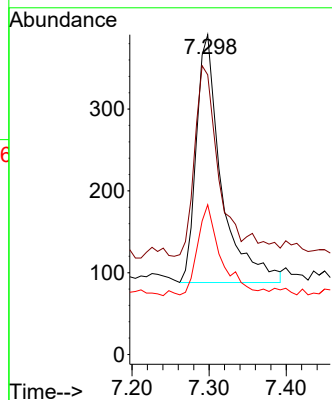
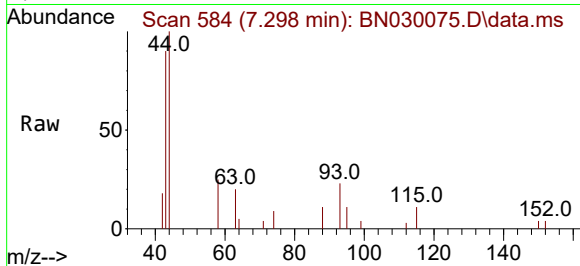




#6
bis(2-Chloroethyl)ether
Concen: 0.077 ng
RT: 7.298 min Scan# 584
Delta R.T. 0.007 min
Lab File: BN030075.D
Acq: 27 Feb 2024 02:38

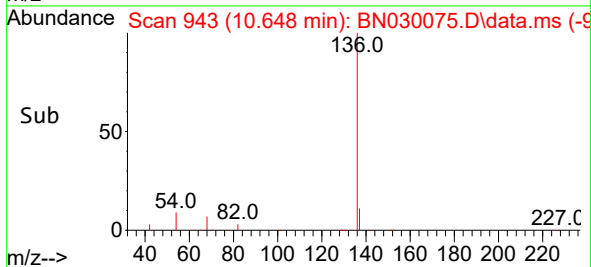
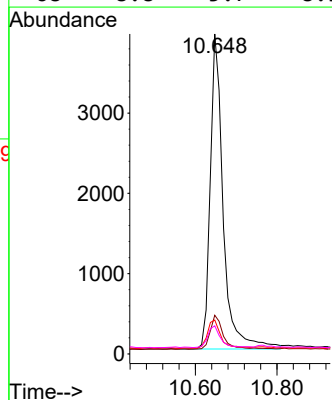
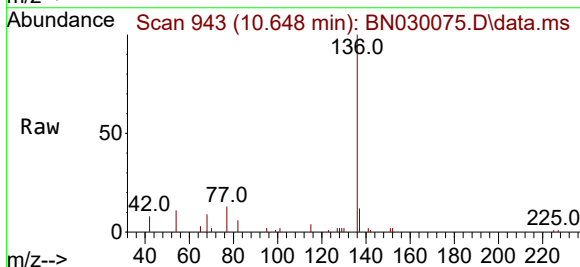
Instrument :
BNA_N
ClientSampleId :
RE115D1-20240222

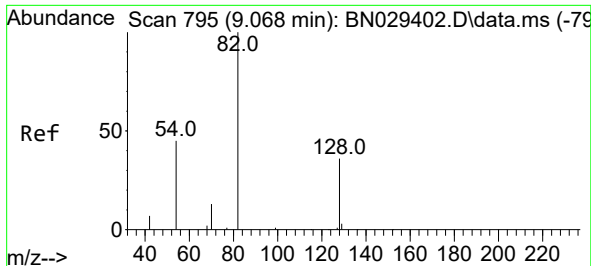
Tgt Ion: 93 Resp: 685
Ion Ratio Lower Upper
93 100
63 78.8 63.1 94.7
95 33.9 27.1 40.7



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.648 min Scan# 943
Delta R.T. 0.000 min
Lab File: BN030075.D
Acq: 27 Feb 2024 02:38

Tgt Ion: 136 Resp: 8651
Ion Ratio Lower Upper
136 100
137 12.1 9.7 14.5
54 10.6 6.6 10.0#
68 8.8 5.7 8.5#

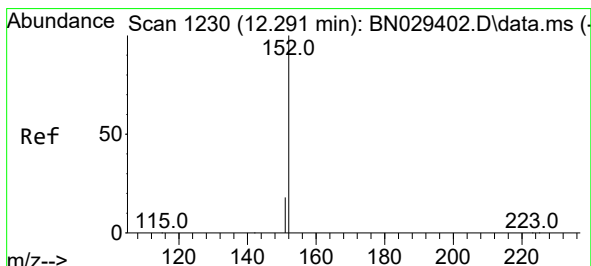
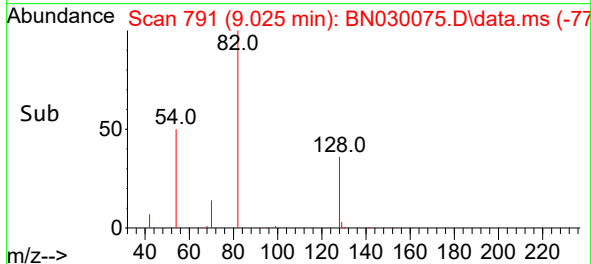
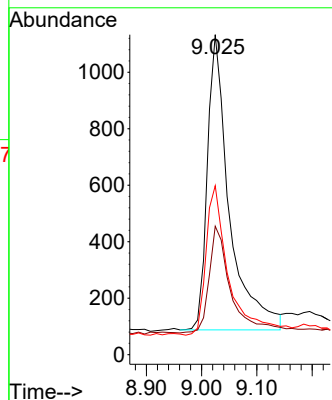
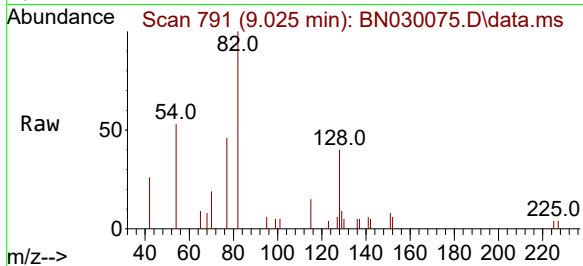




#8
Nitrobenzene-d5
Concen: 0.402 ng
RT: 9.025 min Scan# 795
Delta R.T. 0.011 min
Lab File: BN030075.D
Acq: 27 Feb 2024 02:38

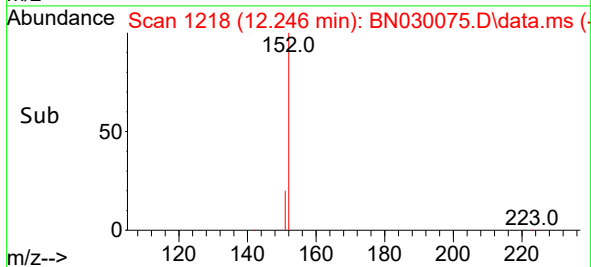
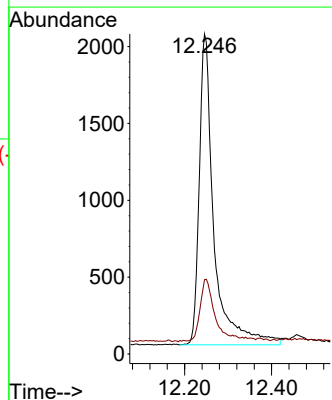
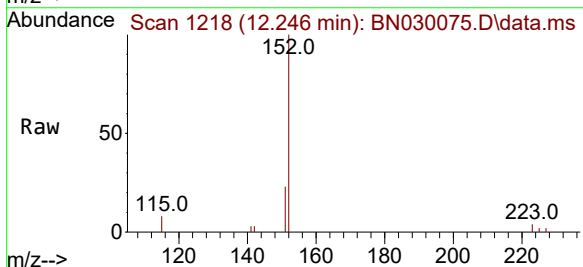
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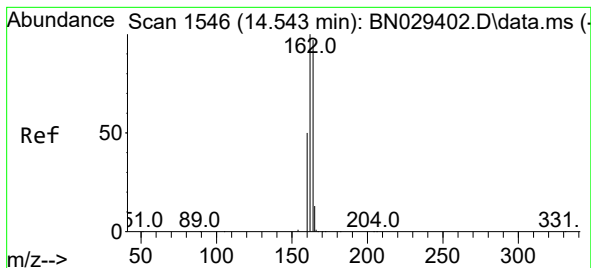
Tgt Ion: 82 Resp: 2898
Ion Ratio Lower Upper
82 100
128 40.2 31.6 47.4
54 52.8 38.2 57.4



#11
2-Methylnaphthalene-d10
Concen: 0.402 ng
RT: 12.246 min Scan# 1218
Delta R.T. 0.000 min
Lab File: BN030075.D
Acq: 27 Feb 2024 02:38

Tgt Ion: 152 Resp: 4733
Ion Ratio Lower Upper
152 100
151 18.7 17.1 25.7





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.500 min Scan# 1

Delta R.T. 0.011 min

Lab File: BN030075.D

Acq: 27 Feb 2024 02:38

Instrument :

BNA_N

ClientSampleId :

RE115D1-20240222

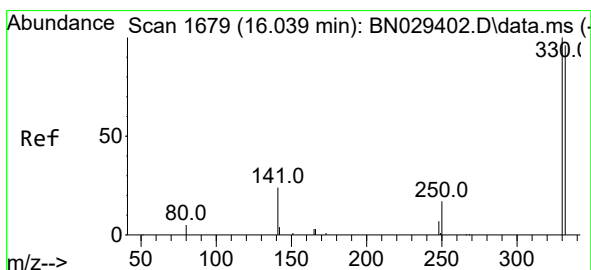
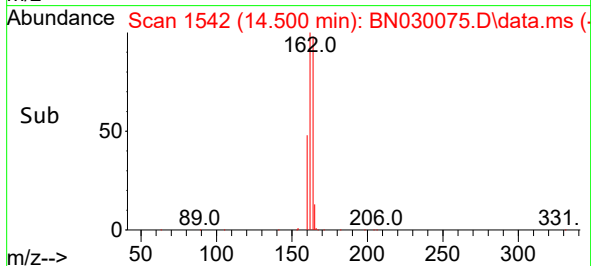
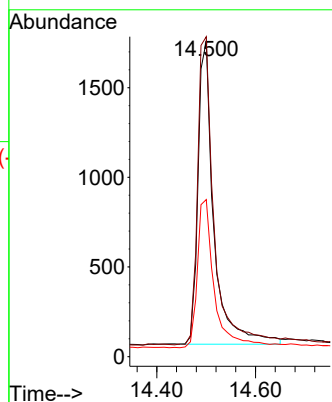
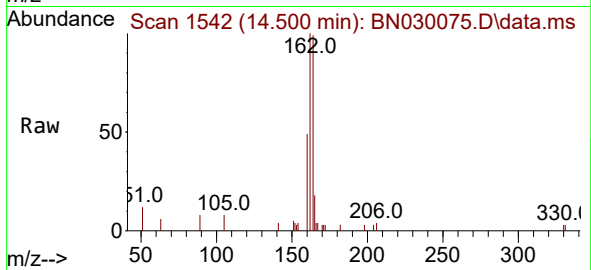
Tgt Ion:164 Resp: 3763

Ion Ratio Lower Upper

164 100

162 101.4 82.6 123.8

160 49.7 41.5 62.3



#14

2,4,6-Tribromophenol

Concen: 0.453 ng

RT: 16.002 min Scan# 1676

Delta R.T. 0.000 min

Lab File: BN030075.D

Acq: 27 Feb 2024 02:38

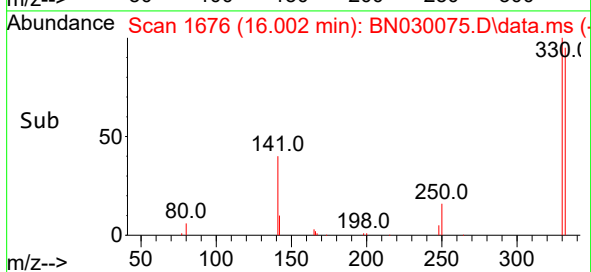
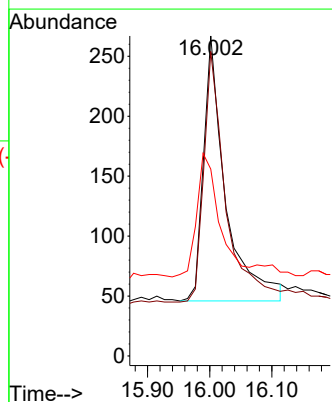
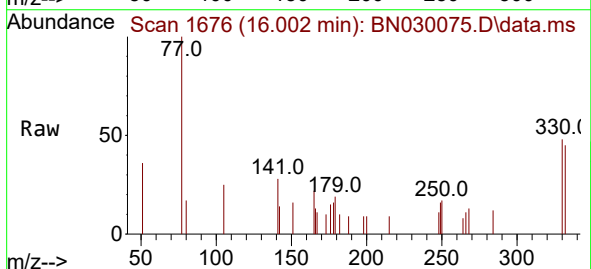
Tgt Ion:330 Resp: 547

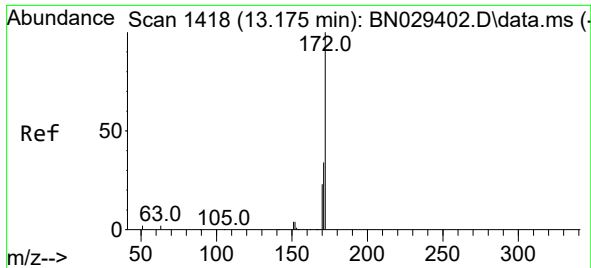
Ion Ratio Lower Upper

330 100

332 94.1 76.0 114.0

141 47.7 43.4 65.2

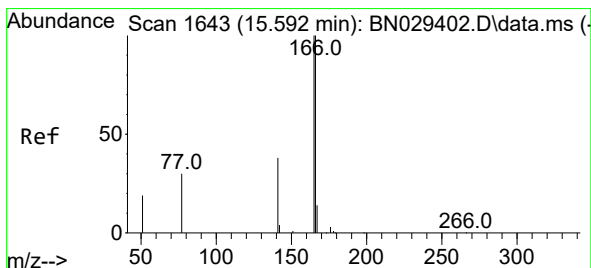
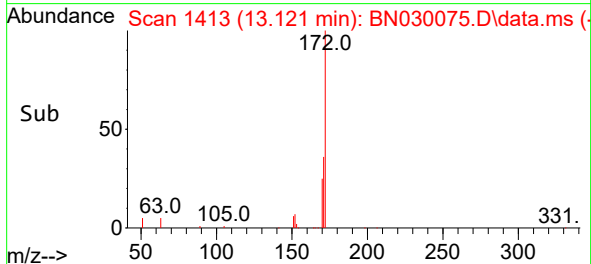
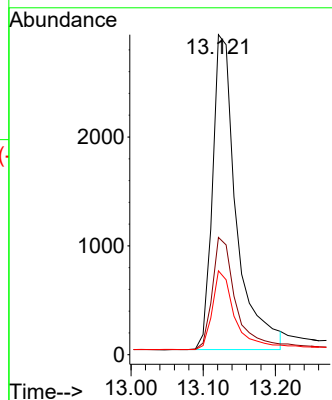
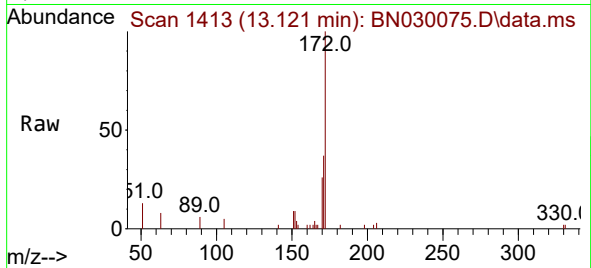




#15
2-Fluorobiphenyl
Concen: 0.412 ng
RT: 13.121 min Scan# 1418
Delta R.T. 0.000 min
Lab File: BN030075.D
Acq: 27 Feb 2024 02:38

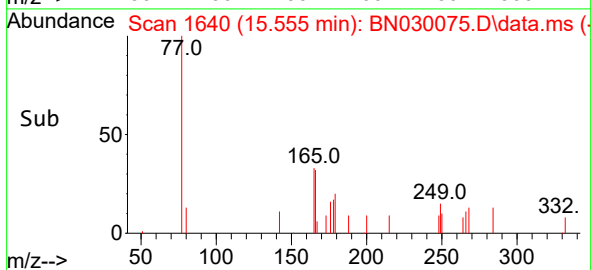
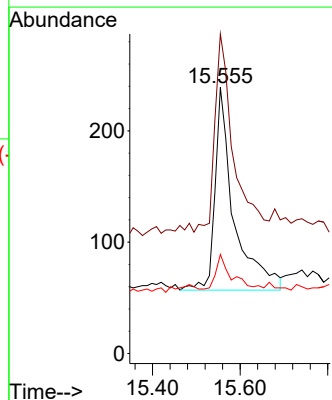
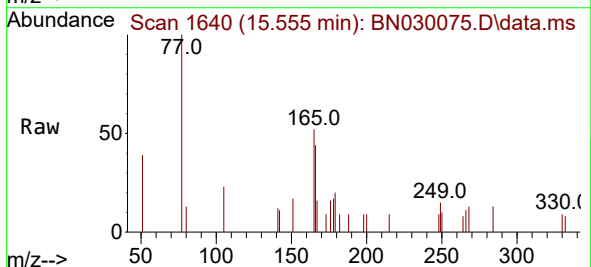
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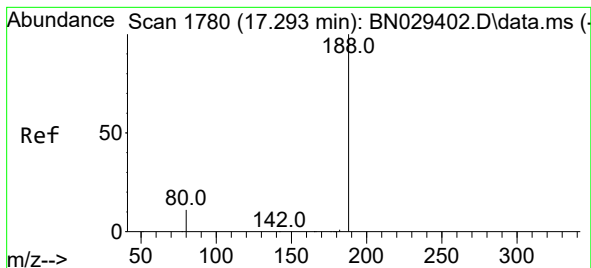
Tgt Ion:172 Resp: 6663
Ion Ratio Lower Upper
172 100
171 36.7 28.0 42.0
170 26.2 18.7 28.1



#18
Fluorene
Concen: 0.035 ng
RT: 15.555 min Scan# 1640
Delta R.T. 0.012 min
Lab File: BN030075.D
Acq: 27 Feb 2024 02:38

Tgt Ion:166 Resp: 532
Ion Ratio Lower Upper
166 100
165 97.0 79.9 119.9
167 13.3 11.3 16.9





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.255 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN030075.D

Acq: 27 Feb 2024 02:38

Instrument :

BNA_N

ClientSampleId :

RE115D1-20240222

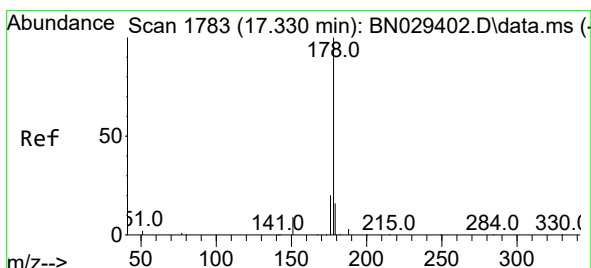
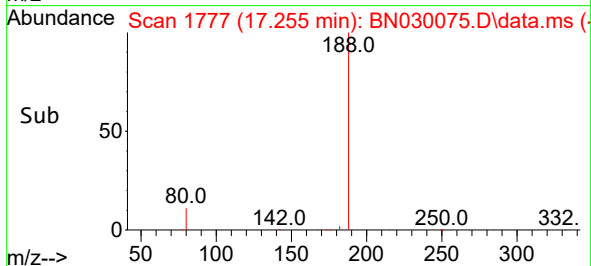
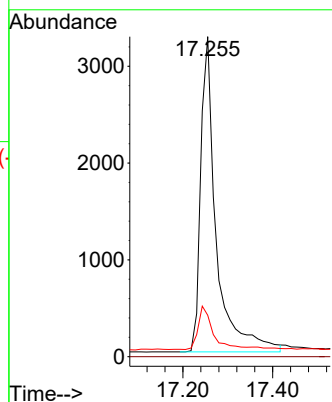
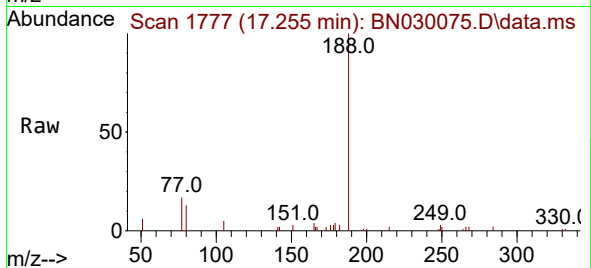
Tgt Ion:188 Resp: 7858

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 13.0 10.0 15.0



#25

Phenanthrene

Concen: 0.141 ng

RT: 17.293 min Scan# 1780

Delta R.T. 0.000 min

Lab File: BN030075.D

Acq: 27 Feb 2024 02:38

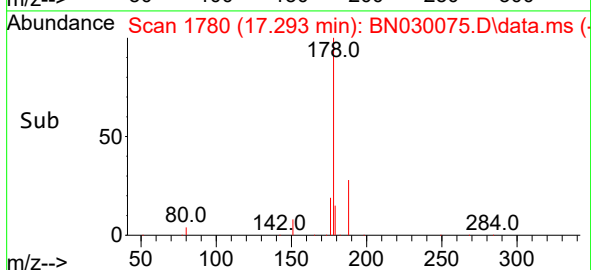
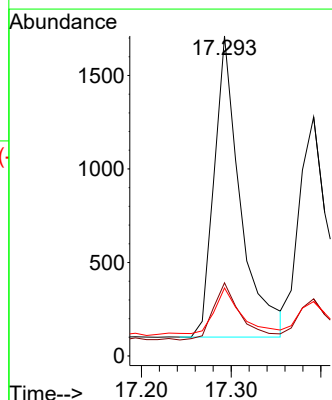
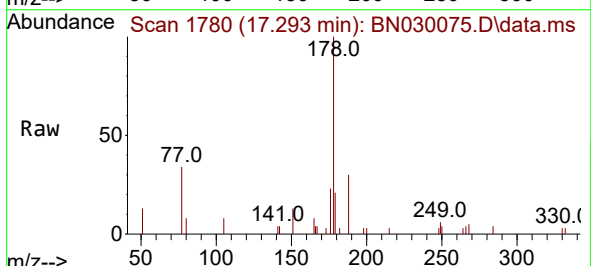
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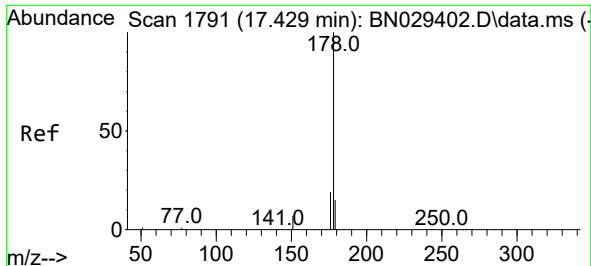
Ion Ratio Lower Upper

178 100

176 19.9 15.8 23.6

179 17.7 12.6 19.0

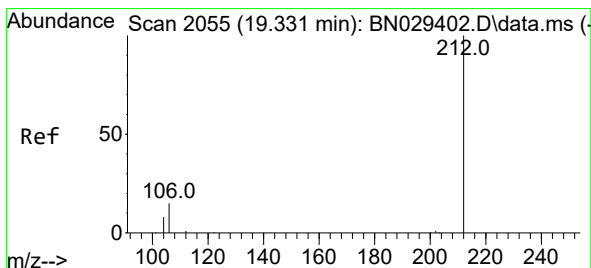
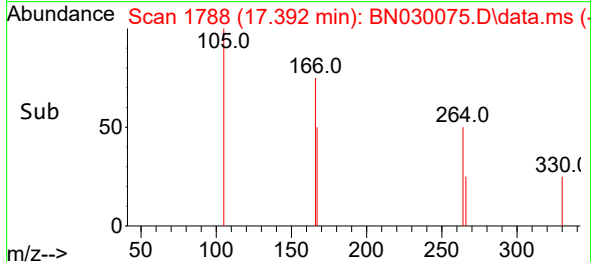
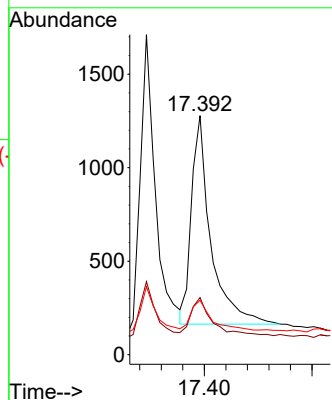
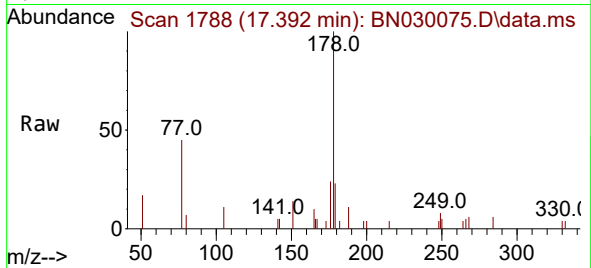




#26
Anthracene
Concen: 0.140 ng
RT: 17.392 min Scan# 1791
Delta R.T. 0.000 min
Lab File: BN030075.D
Acq: 27 Feb 2024 02:38

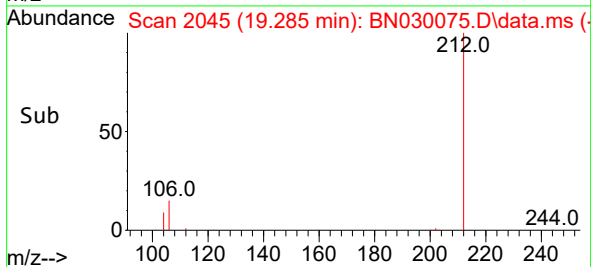
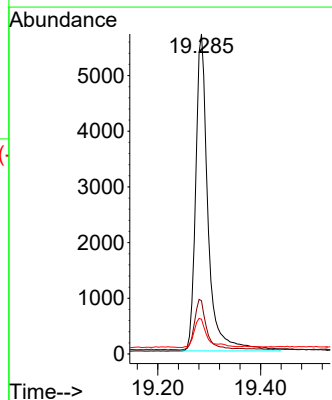
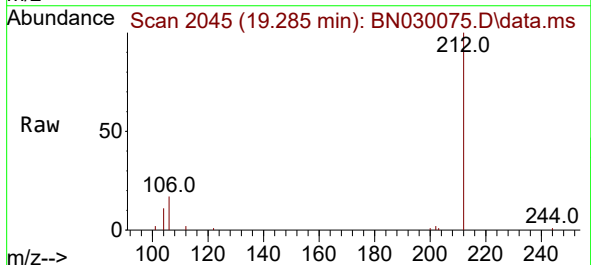
Instrument :
BNA_N
ClientSampleId :
RE115D1-20240222

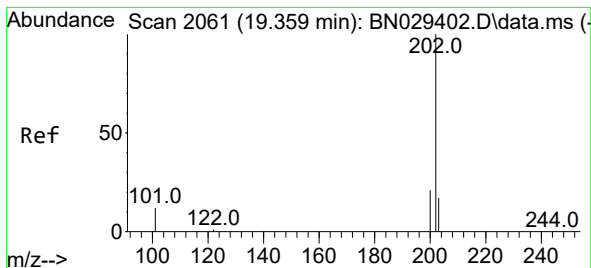
Tgt Ion:178 Resp: 2779
Ion Ratio Lower Upper
178 100
176 19.9 15.0 22.4
179 15.2 12.3 18.5



#27
Fluoranthene-d10
Concen: 0.502 ng
RT: 19.285 min Scan# 2045
Delta R.T. -0.005 min
Lab File: BN030075.D
Acq: 27 Feb 2024 02:38

Tgt Ion:212 Resp: 9549
Ion Ratio Lower Upper
212 100
106 15.7 13.2 19.8
104 9.7 7.7 11.5





#28

Fluoranthene

Concen: 0.393 ng

RT: 19.313 min Scan# 2051

Delta R.T. -0.005 min

Lab File: BN030075.D

Acq: 27 Feb 2024 02:38

Instrument :

BNA_N

ClientSampleId :

RE115D1-20240222

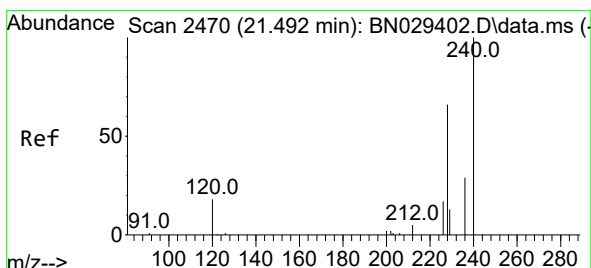
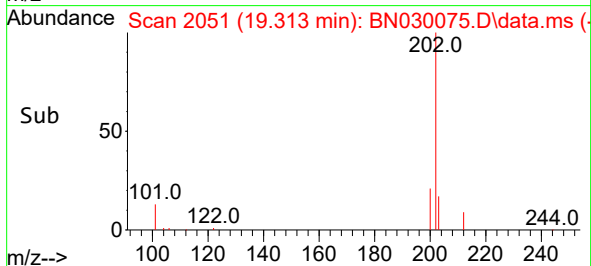
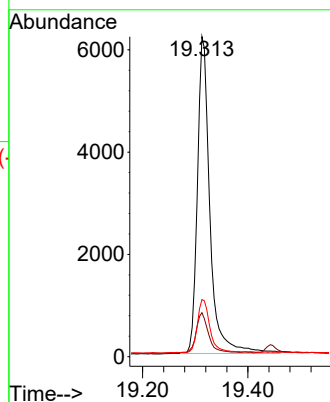
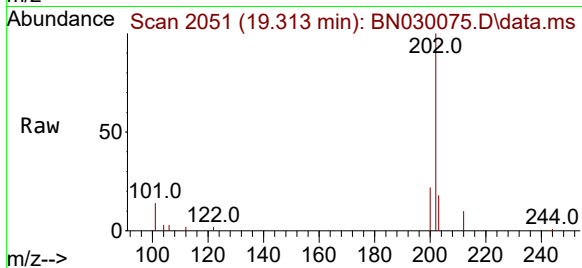
Tgt Ion:202 Resp: 10282

Ion Ratio Lower Upper

202 100

101 12.5 10.5 15.7

203 16.7 13.5 20.3



#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.447 min Scan# 2465

Delta R.T. -0.009 min

Lab File: BN030075.D

Acq: 27 Feb 2024 02:38

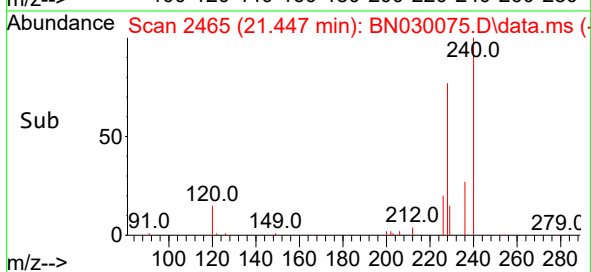
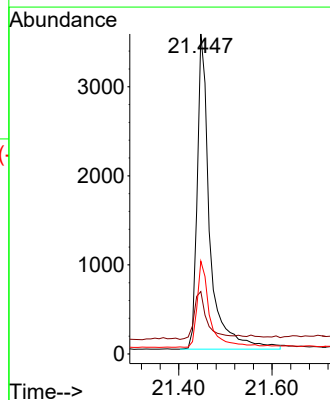
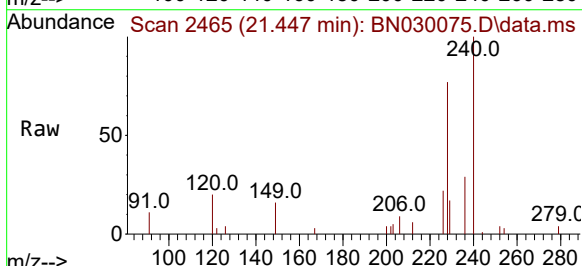
Tgt Ion:240 Resp: 6652

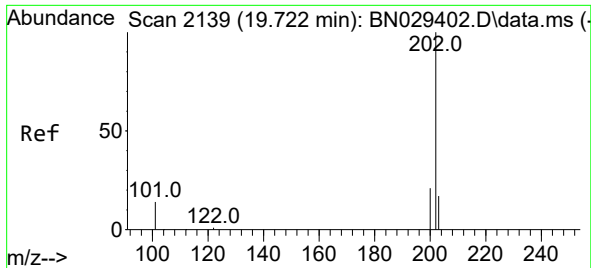
Ion Ratio Lower Upper

240 100

120 19.5 16.7 25.1

236 29.0 23.9 35.9

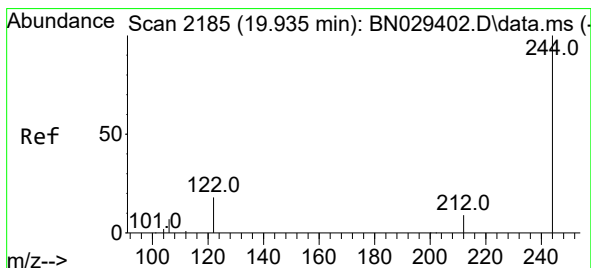
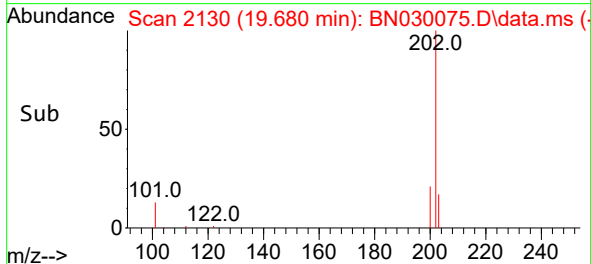
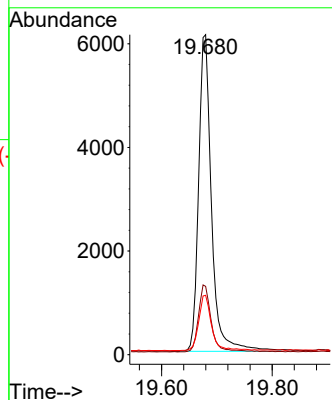
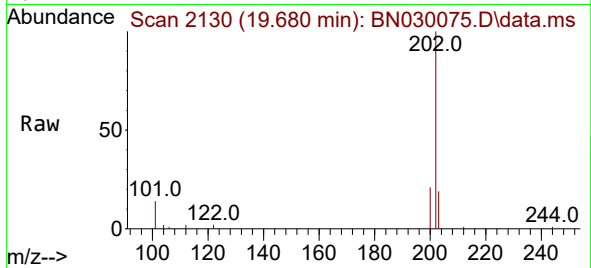




#30
Pyrene
Concen: 0.323 ng
RT: 19.680 min Scan# 2113
Delta R.T. -0.005 min
Lab File: BN030075.D
Acq: 27 Feb 2024 02:38

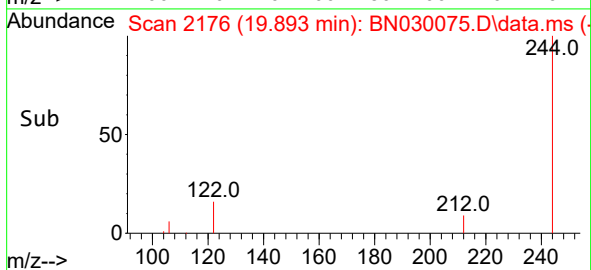
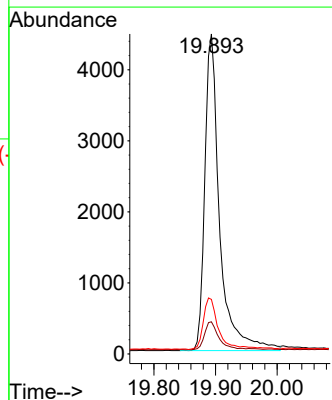
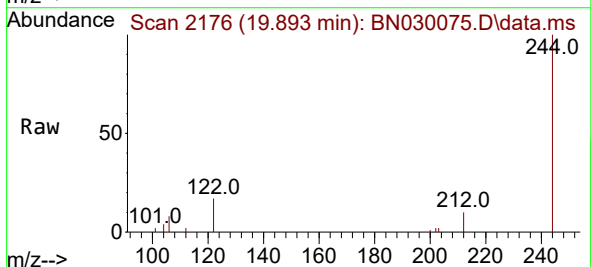
Instrument :
BNA_N
ClientSampleId :
RE115D1-20240222

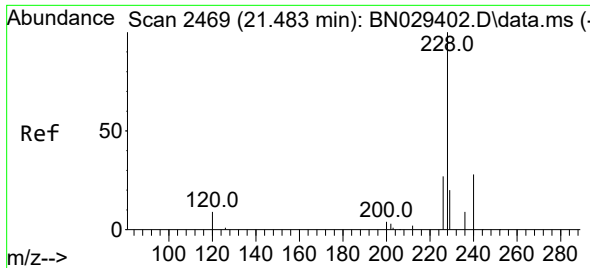
Tgt Ion:202 Resp: 9884
Ion Ratio Lower Upper
202 100
200 20.9 16.6 25.0
203 17.7 14.2 21.4



#31
Terphenyl-d14
Concen: 0.449 ng
RT: 19.893 min Scan# 2176
Delta R.T. -0.005 min
Lab File: BN030075.D
Acq: 27 Feb 2024 02:38

Tgt Ion:244 Resp: 7406
Ion Ratio Lower Upper
244 100
212 10.0 8.2 12.4
122 17.1 15.6 23.4

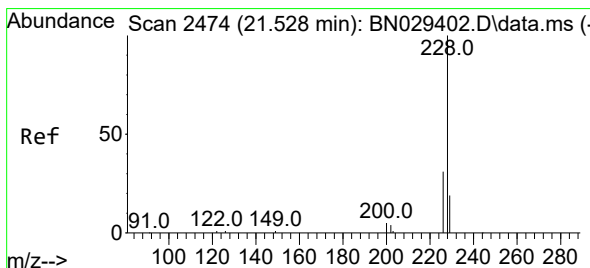
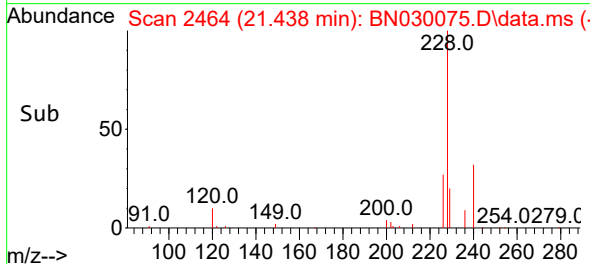
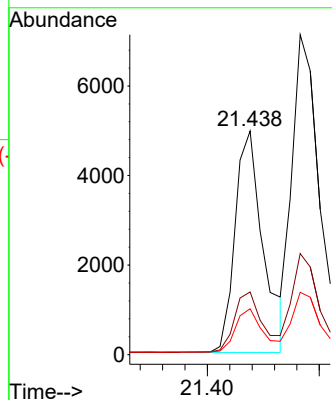
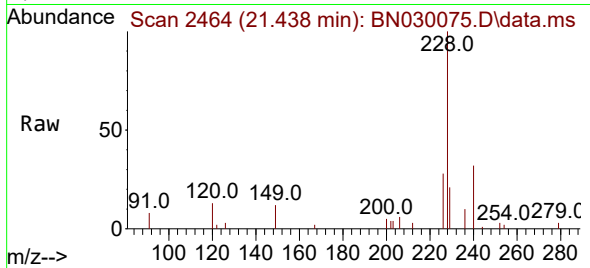




#32
Benzo(a)anthracene
Concen: 0.379 ng
RT: 21.438 min Scan# 2464
Delta R.T. 0.000 min
Lab File: BN030075.D
Acq: 27 Feb 2024 02:38

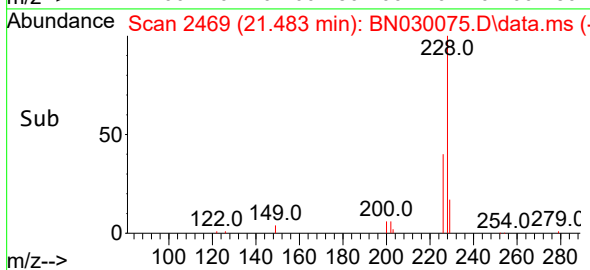
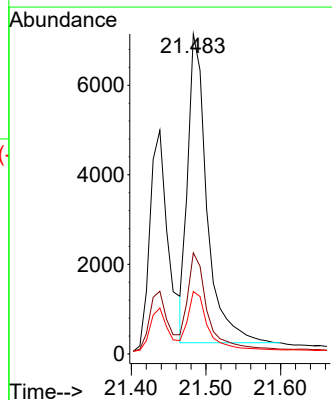
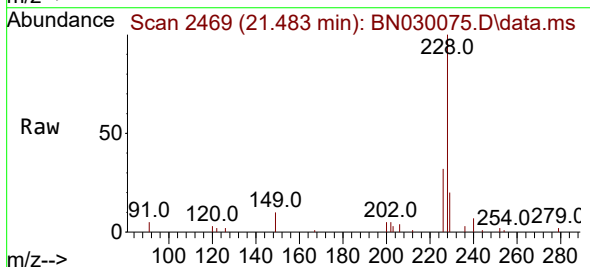
Instrument :
BNA_N
ClientSampleId :
RE115D1-20240222

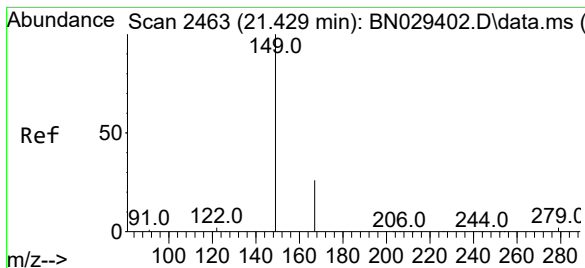
Tgt Ion:228 Resp: 8614
Ion Ratio Lower Upper
228 100
226 28.1 22.2 33.4
229 20.5 16.5 24.7



#33
Chrysene
Concen: 0.475 ng
RT: 21.483 min Scan# 2469
Delta R.T. -0.009 min
Lab File: BN030075.D
Acq: 27 Feb 2024 02:38

Tgt Ion:228 Resp: 12276
Ion Ratio Lower Upper
228 100
226 31.6 24.9 37.3
229 19.5 15.9 23.9

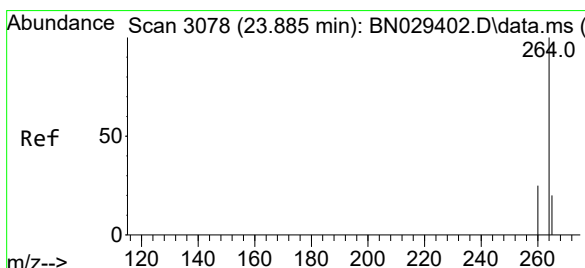
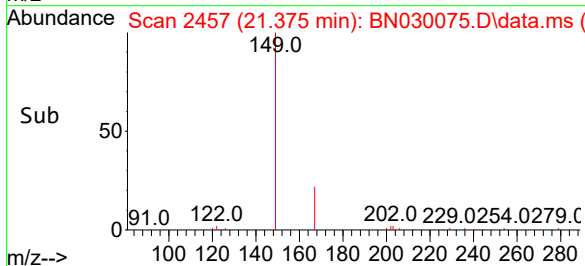
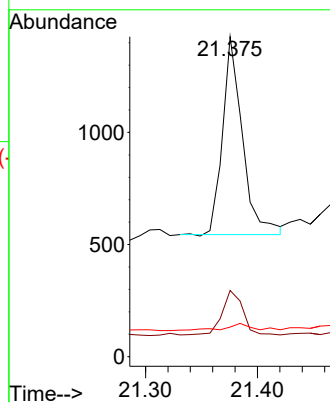
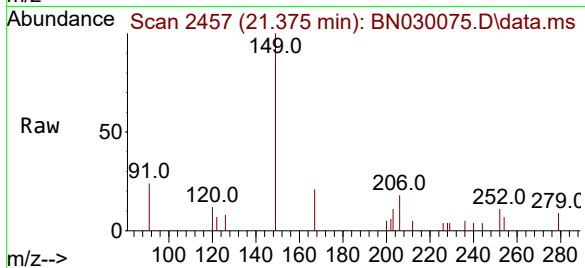




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.071 ng
RT: 21.375 min Scan# 2463
Delta R.T. -0.009 min
Lab File: BN030075.D
Acq: 27 Feb 2024 02:38

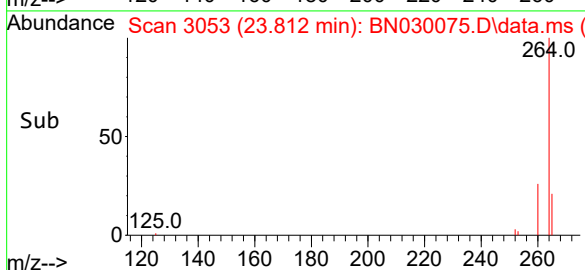
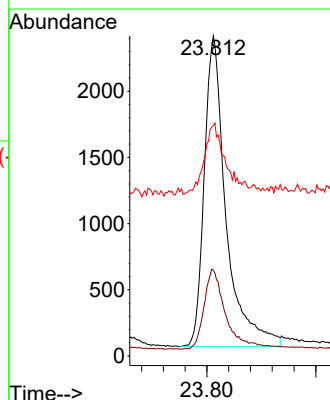
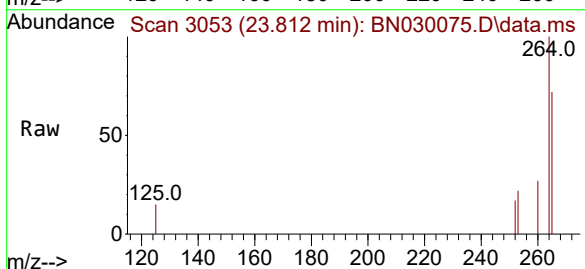
Instrument :
BNA_N
ClientSampleId :
RE115D1-20240222

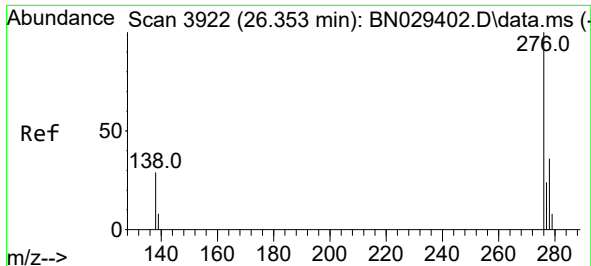
Tgt Ion:149 Resp: 1093
Ion Ratio Lower Upper
149 100
167 23.3 20.1 30.1
279 4.5 2.5 3.7#



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.812 min Scan# 3053
Delta R.T. -0.009 min
Lab File: BN030075.D
Acq: 27 Feb 2024 02:38

Tgt Ion:264 Resp: 6521
Ion Ratio Lower Upper
264 100
260 26.8 21.2 31.8
265 71.9 41.5 62.3#

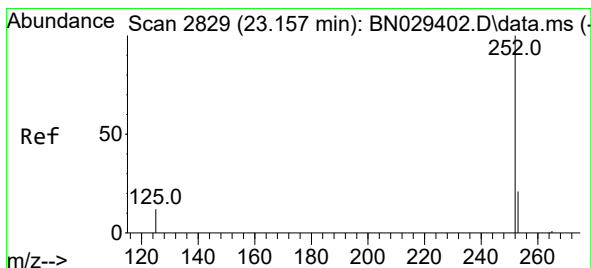
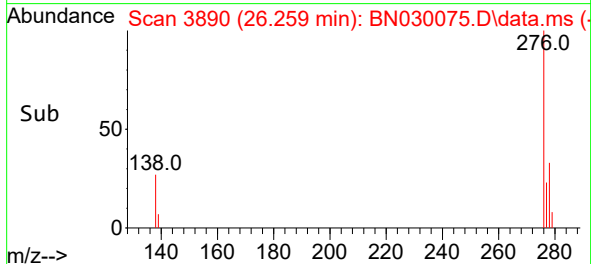
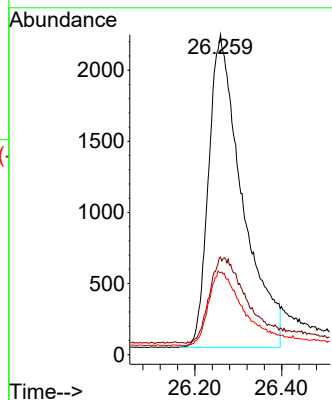
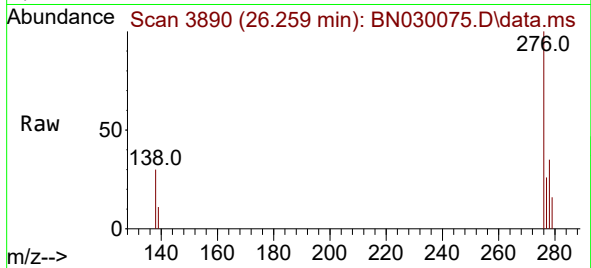




#36
Indeno(1,2,3-cd)pyrene
Concen: 0.452 ng
RT: 26.259 min Scan# 31
Delta R.T. -0.009 min
Lab File: BN030075.D
Acq: 27 Feb 2024 02:38

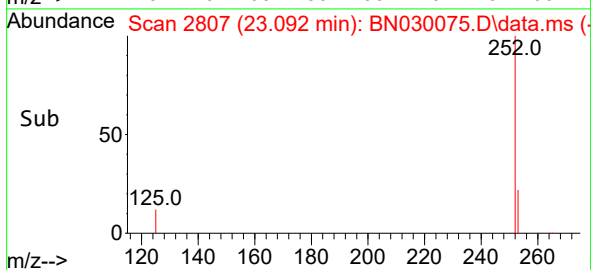
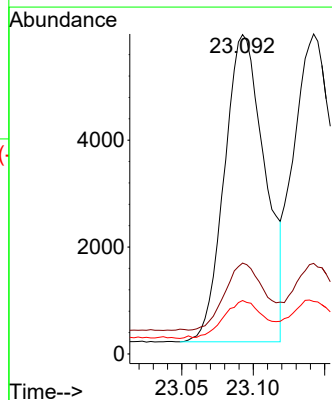
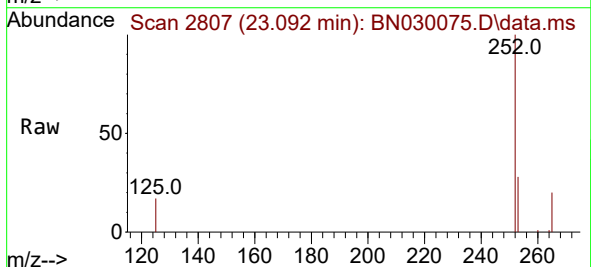
Instrument :
BNA_N
ClientSampleId :
RE115D1-20240222

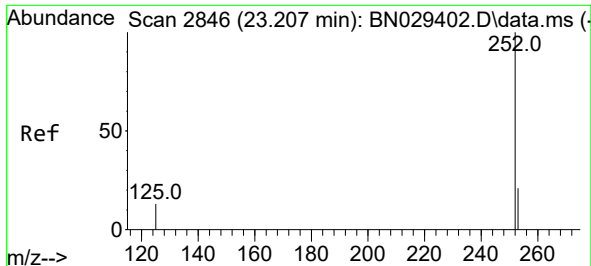
Tgt Ion:276 Resp: 11837
Ion Ratio Lower Upper
276 100
138 10.4 20.5 30.7#
277 25.1 17.0 25.4



#37
Benzo(b)fluoranthene
Concen: 0.486 ng
RT: 23.092 min Scan# 2807
Delta R.T. -0.006 min
Lab File: BN030075.D
Acq: 27 Feb 2024 02:38

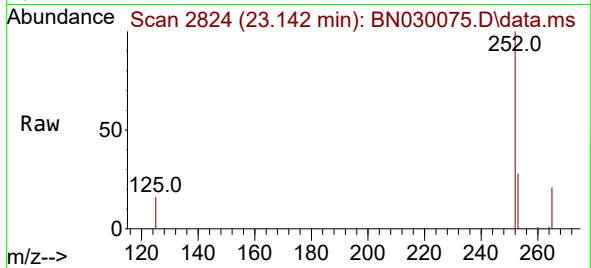
Tgt Ion:252 Resp: 11333
Ion Ratio Lower Upper
252 100
253 28.5 21.7 32.5
125 16.8 13.3 19.9



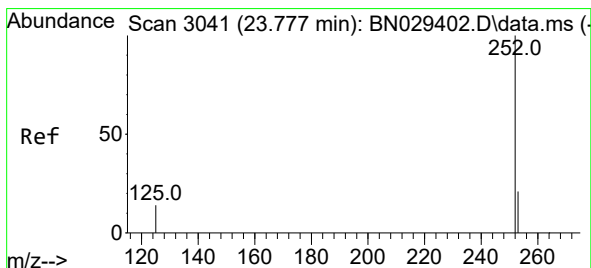
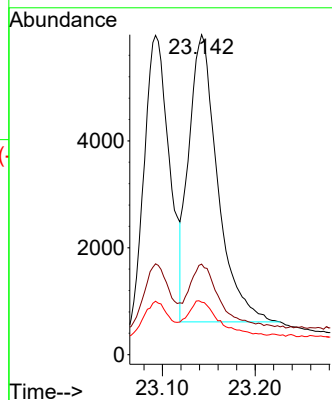


#38
Benzo(k)fluoranthene
Concen: 0.477 ng
RT: 23.142 min Scan# 21
Delta R.T. -0.006 min
Lab File: BN030075.D
Acq: 27 Feb 2024 02:38

Instrument :
BNA_N
ClientSampleId :
RE115D1-20240222

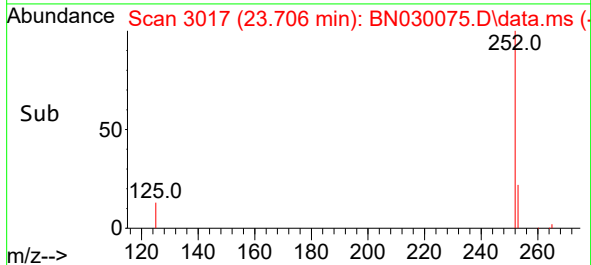
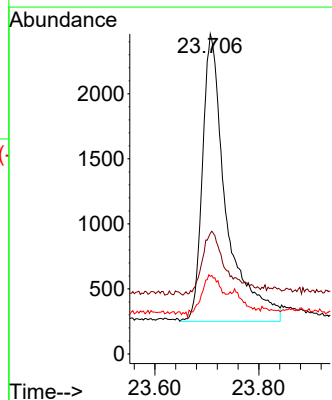
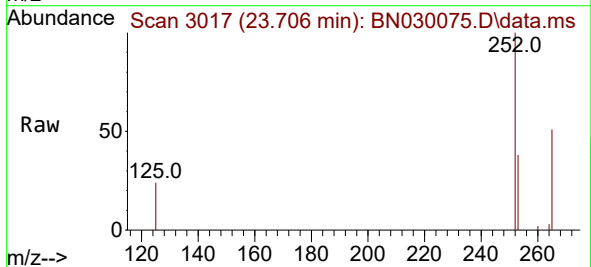


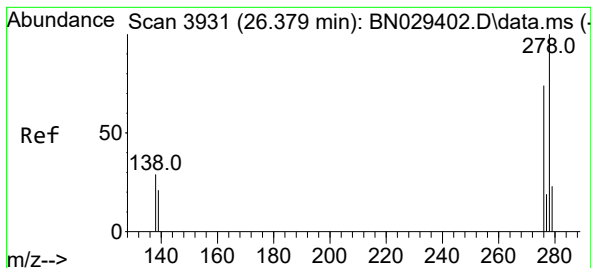
Tgt Ion:252 Resp: 11640
Ion Ratio Lower Upper
252 100
253 28.3 21.8 32.8
125 16.4 13.9 20.9



#39
Benzo(a)pyrene
Concen: 0.344 ng
RT: 23.706 min Scan# 3017
Delta R.T. -0.009 min
Lab File: BN030075.D
Acq: 27 Feb 2024 02:38

Tgt Ion:252 Resp: 6983
Ion Ratio Lower Upper
252 100
253 37.7 24.9 37.3#
125 24.2 16.6 25.0





#40

Dibenzo(a,h)anthracene

Concen: 0.454 ng

RT: 26.285 min Scan# 3931

Delta R.T. -0.018 min

Lab File: BN030075.D

Acq: 27 Feb 2024 02:38

Instrument :

BNA_N

ClientSampleId :

RE115D1-20240222

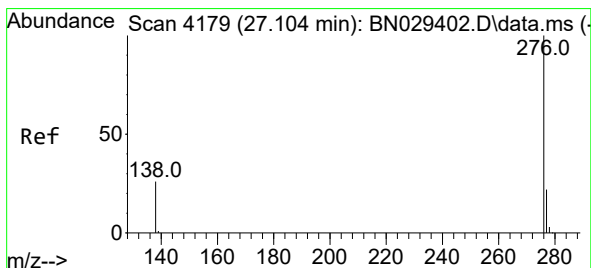
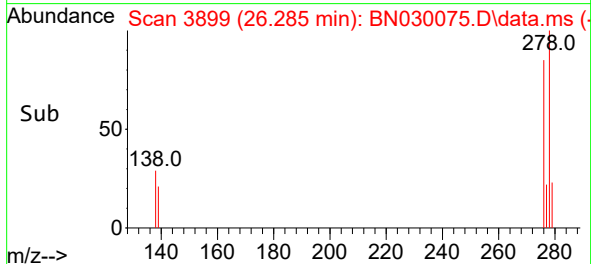
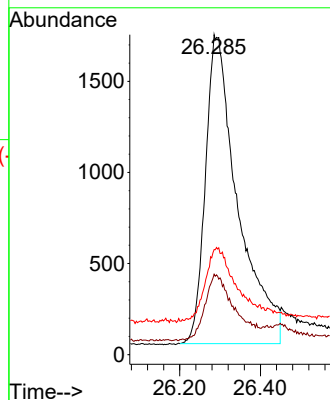
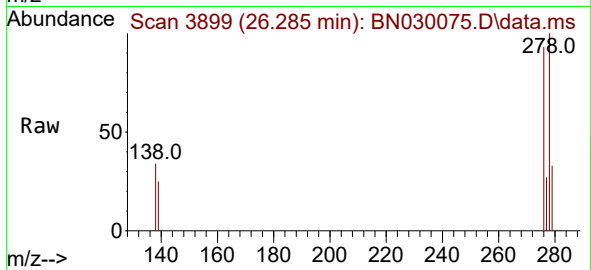
Tgt Ion:278 Resp: 9471

Ion Ratio Lower Upper

278 100

139 25.1 20.4 30.6

279 32.9 25.0 37.6



#41

Benzo(g,h,i)perylene

Concen: 0.428 ng

RT: 26.987 min Scan# 4139

Delta R.T. -0.020 min

Lab File: BN030075.D

Acq: 27 Feb 2024 02:38

Tgt Ion:276 Resp: 10889

Ion Ratio Lower Upper

276 100

277 24.8 19.4 29.2

138 27.9 23.5 35.3

