

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN022624\
 Data File : BN030076.D
 Acq On : 27 Feb 2024 03:14
 Operator : MA/JU
 Sample : P1578-06
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RE115D2-20240222

Quant Time: Feb 27 03:45:54 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)

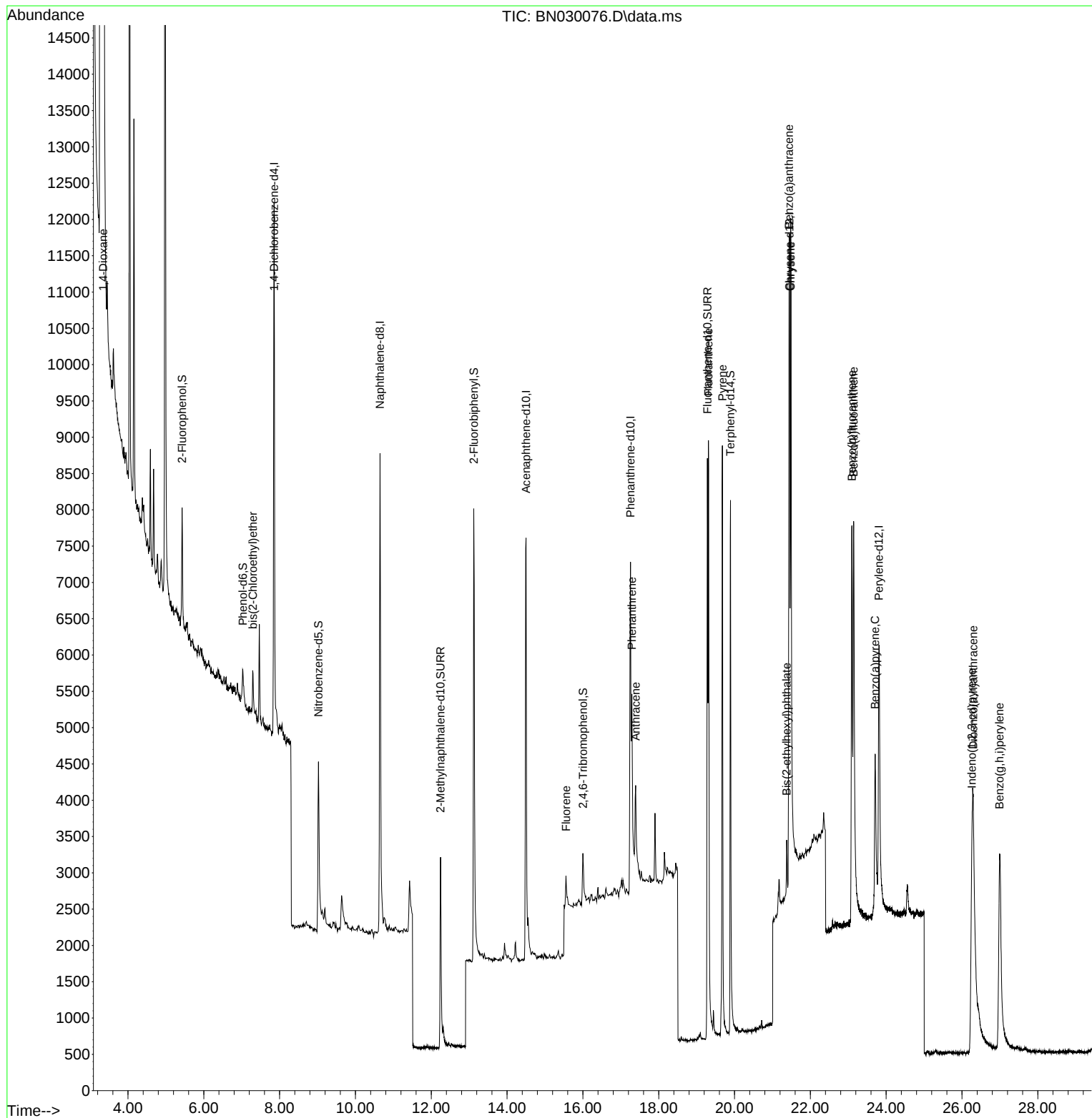
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.854	152	3989	0.400	ng	0.00
7) Naphthalene-d8	10.647	136	10281	0.400	ng	# 0.00
13) Acenaphthene-d10	14.500	164	4625	0.400	ng	0.01
19) Phenanthrene-d10	17.255	188	9632	0.400	ng	0.00
29) Chrysene-d12	21.447	240	7316	0.400	ng	0.00
35) Perylene-d12	23.812	264	6968	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.428	112	1353	0.141	ng	0.00
5) Phenol-d6	7.031	99	729	0.066	ng	0.00
8) Nitrobenzene-d5	9.025	82	3090	0.361	ng	0.01
11) 2-Methylnaphthalene-d10	12.246	152	4798	0.343	ng	0.00
14) 2,4,6-Tribromophenol	16.002	330	562	0.379	ng	0.00
15) 2-Fluorobiphenyl	13.121	172	7229	0.364	ng	0.00
27) Fluoranthene-d10	19.285	212	10537	0.452	ng	0.00
31) Terphenyl-d14	19.893	244	8656	0.477	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.348	88	38449	6.847	ng	96
6) bis(2-Chloroethyl)ether	7.298	93	554	0.053	ng	89
18) Fluorene	15.555	166	578	0.031	ng	90
25) Phenanthrene	17.292	178	2985	0.105	ng	96
26) Anthracene	17.392	178	2163	0.089	ng	# 92
28) Fluoranthene	19.313	202	8107	0.253	ng	99
30) Pyrene	19.680	202	8117	0.241	ng	99
32) Benzo(a)anthracene	21.438	228	6559	0.262	ng	99
33) Chrysene	21.483	228	9370	0.330	ng	99
34) Bis(2-ethylhexyl)phtha...	21.375	149	931	0.055	ng	96
36) Indeno(1,2,3-cd)pyrene	26.262	276	8777	0.313	ng	# 84
37) Benzo(b)fluoranthene	23.095	252	8170	0.328	ng	94
38) Benzo(k)fluoranthene	23.142	252	8518	0.327	ng	95
39) Benzo(a)pyrene	23.709	252	5160	0.238	ng	# 81
40) Dibenzo(a,h)anthracene	26.297	278	7236	0.324	ng	94
41) Benzo(g,h,i)perylene	26.993	276	8096	0.298	ng	97

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

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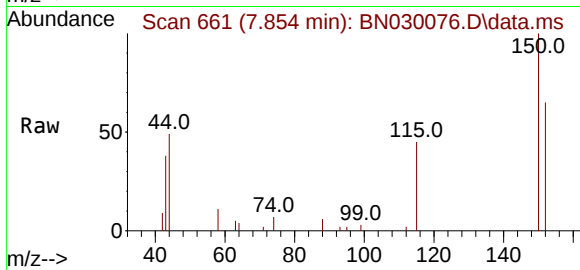
Quant Time: Feb 27 03:45:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN012924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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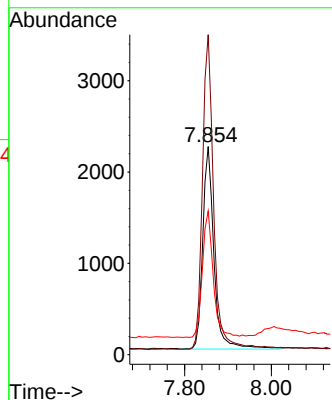
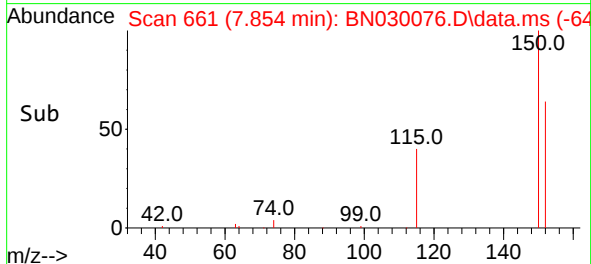


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.854 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: BN030076.D
 Acq: 27 Feb 2024 03:14

Instrument :
 BNA_N
 ClientSampleId :
 RE115D2-20240222

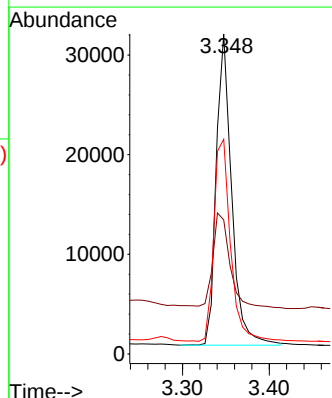
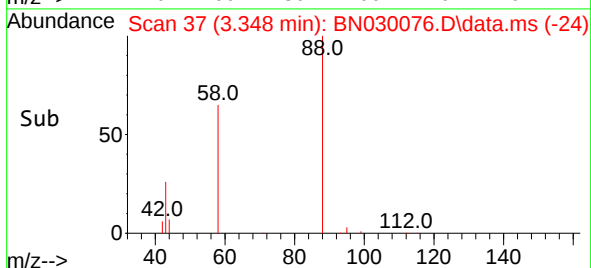
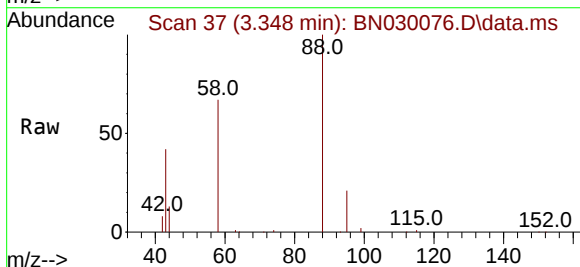


Tgt Ion:152 Resp: 3989
 Ion Ratio Lower Upper
 152 100
 150 153.8 123.0 184.4
 115 69.0 51.4 77.0



#2
 1,4-Dioxane
 Concen: 6.847 ng
 RT: 3.348 min Scan# 37
 Delta R.T. -0.007 min
 Lab File: BN030076.D
 Acq: 27 Feb 2024 03:14

Tgt Ion: 88 Resp: 38449
 Ion Ratio Lower Upper
 88 100
 43 33.0 23.3 34.9
 58 69.8 53.8 80.6

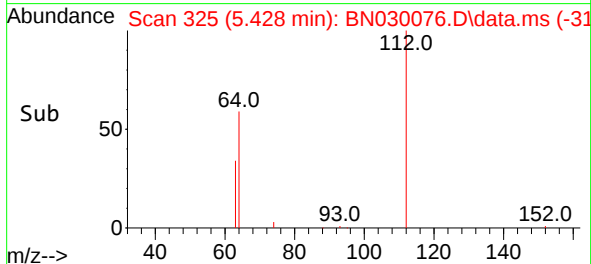
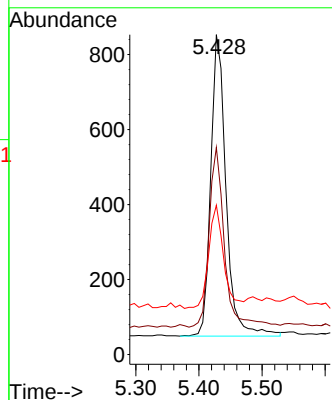
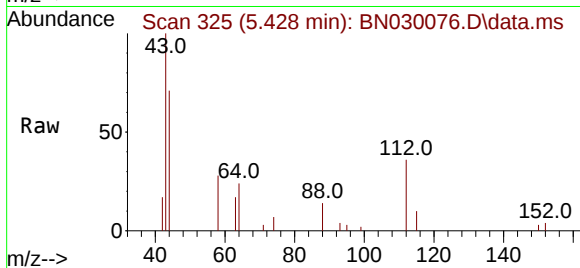




#4
2-Fluorophenol
Concen: 0.141 ng
RT: 5.428 min Scan# 31
Delta R.T. -0.000 min
Lab File: BN030076.D
Acq: 27 Feb 2024 03:14

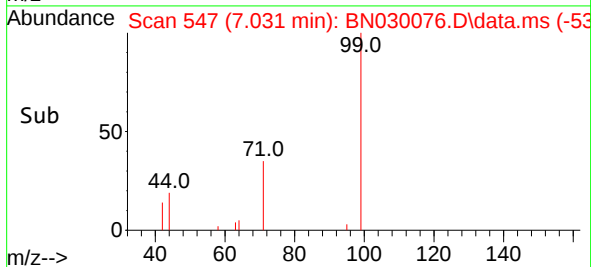
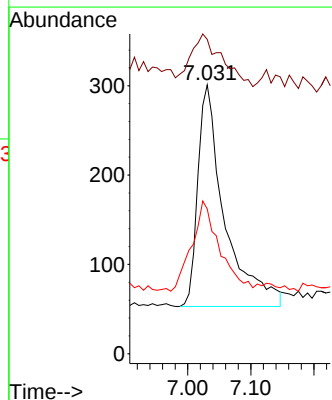
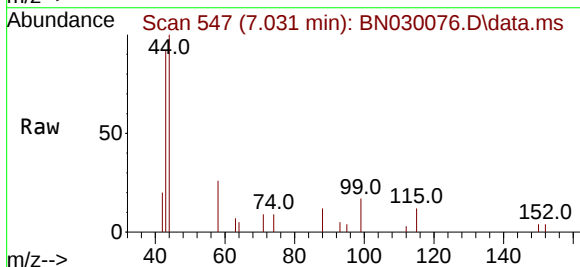
Instrument :
BNA_N
ClientSampleId :
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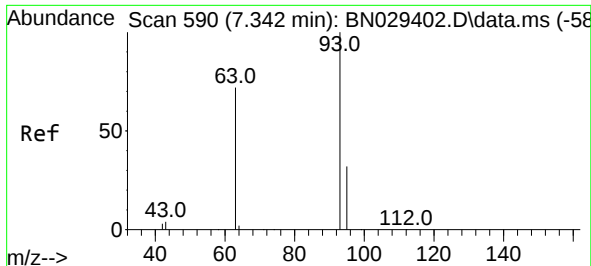
Tgt Ion:112 Resp: 1353
Ion Ratio Lower Upper
112 100
64 60.0 47.2 70.8
63 32.4 25.8 38.6



#5
Phenol-d6
Concen: 0.066 ng
RT: 7.031 min Scan# 547
Delta R.T. 0.007 min
Lab File: BN030076.D
Acq: 27 Feb 2024 03:14

Tgt Ion: 99 Resp: 729
Ion Ratio Lower Upper
99 100
42 28.1 16.9 25.3#
71 41.3 30.0 45.0

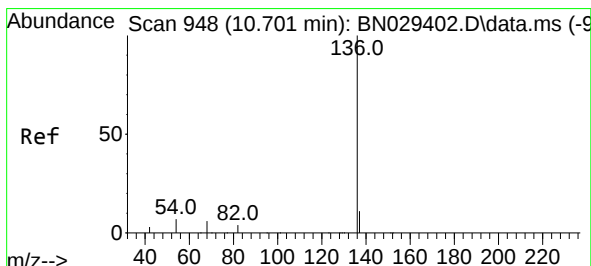
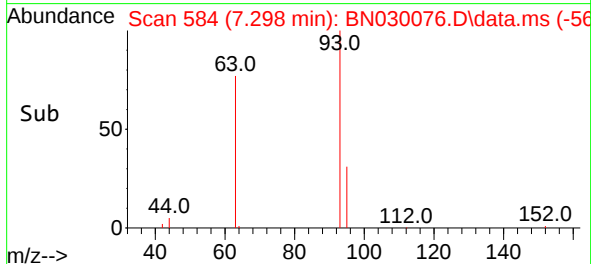
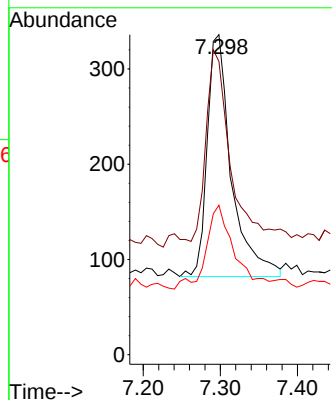
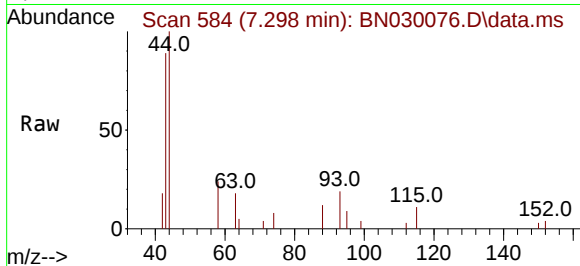




#6
bis(2-Chloroethyl)ether
Concen: 0.053 ng
RT: 7.298 min Scan# 51
Delta R.T. 0.007 min
Lab File: BN030076.D
Acq: 27 Feb 2024 03:14

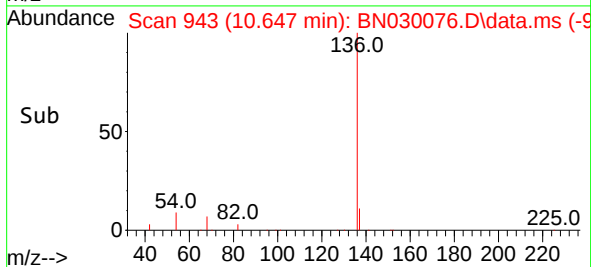
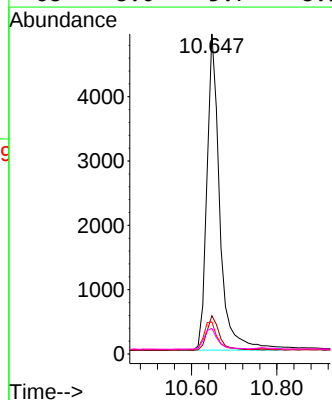
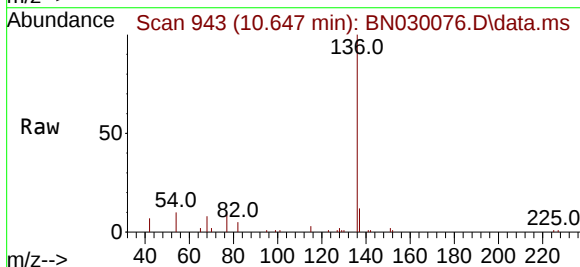
Instrument :
BNA_N
ClientSampleId :
RE115D2-20240222

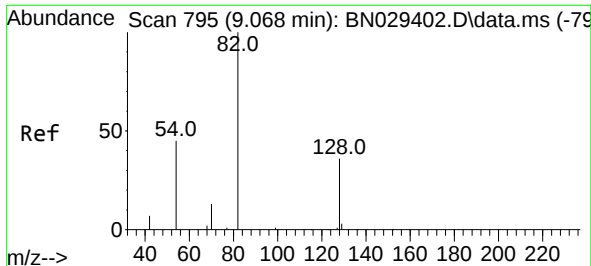
Tgt Ion: 93	Resp:	554
Ion	Ratio	Lower Upper
93	100	
63	88.6	63.1 94.7
95	40.3	27.1 40.7



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.647 min Scan# 943
Delta R.T. -0.000 min
Lab File: BN030076.D
Acq: 27 Feb 2024 03:14

Tgt Ion: 136	Resp:	10281
Ion	Ratio	Lower Upper
136	100	
137	12.0	9.7 14.5
54	10.0	6.6 10.0#
68	8.0	5.7 8.5

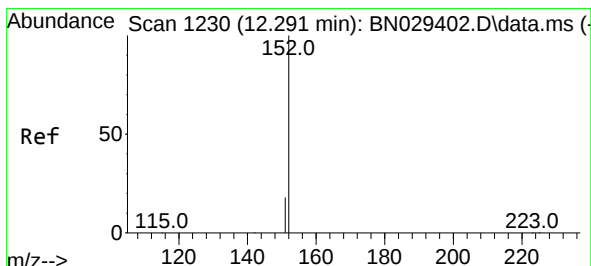
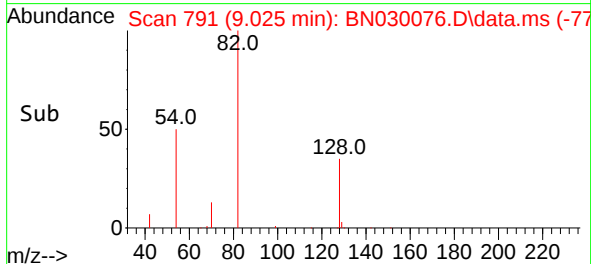
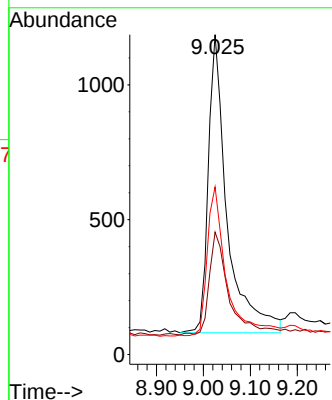
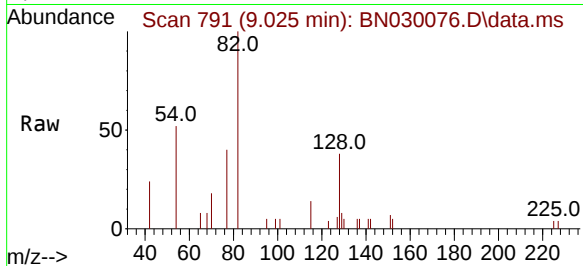




#8
Nitrobenzene-d5
Concen: 0.361 ng
RT: 9.025 min Scan# 795
Delta R.T. 0.011 min
Lab File: BN030076.D
Acq: 27 Feb 2024 03:14

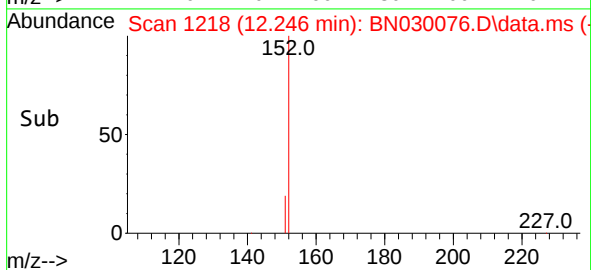
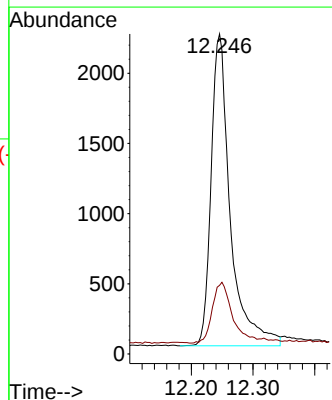
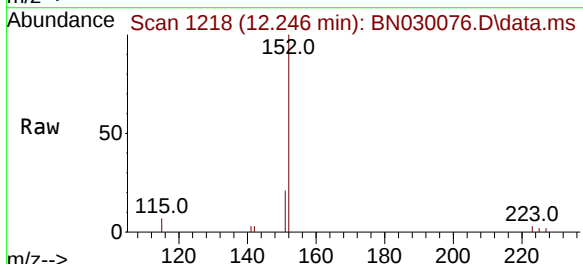
Instrument :
BNA_N
ClientSampleId :
RE115D2-20240222

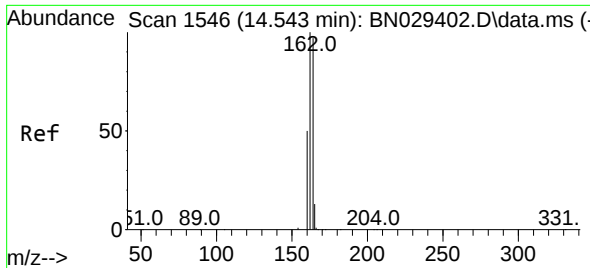
Tgt Ion: 82 Resp: 3090
Ion Ratio Lower Upper
82 100
128 38.3 31.6 47.4
54 52.4 38.2 57.4



#11
2-Methylnaphthalene-d10
Concen: 0.343 ng
RT: 12.246 min Scan# 1218
Delta R.T. -0.000 min
Lab File: BN030076.D
Acq: 27 Feb 2024 03:14

Tgt Ion: 152 Resp: 4798
Ion Ratio Lower Upper
152 100
151 20.4 17.1 25.7

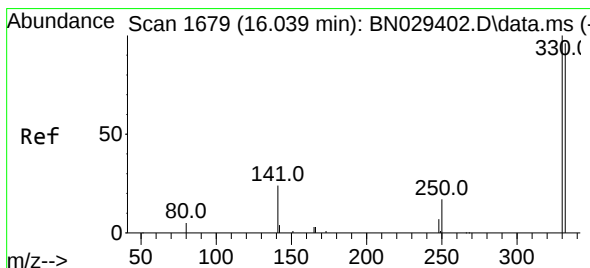
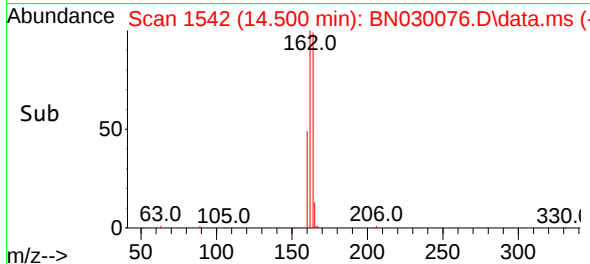
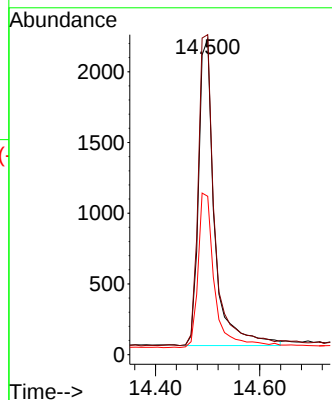
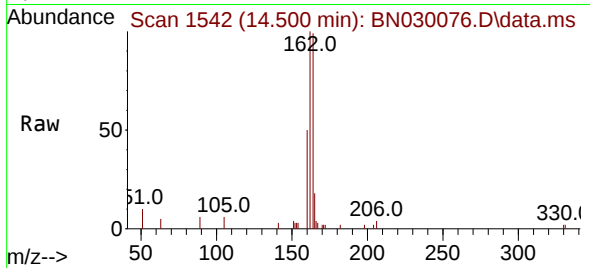




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.500 min Scan# 1542
Delta R.T. 0.011 min
Lab File: BN030076.D
Acq: 27 Feb 2024 03:14

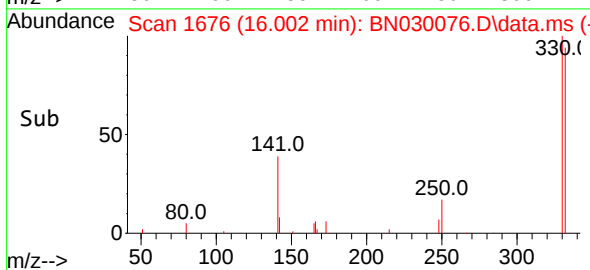
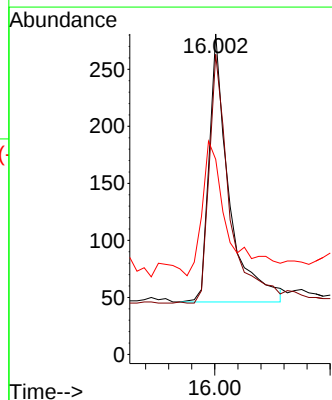
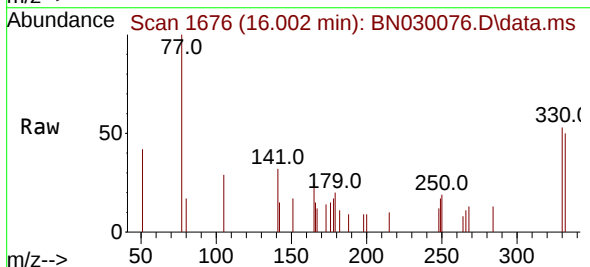
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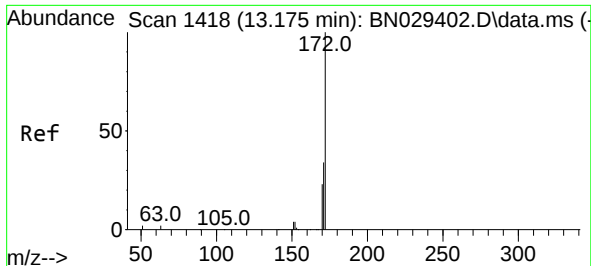
Tgt Ion:	164	Resp:	4625
Ion	Ratio	Lower	Upper
164	100		
162	101.3	82.6	123.8
160	50.2	41.5	62.3



#14
2,4,6-Tribromophenol
Concen: 0.379 ng
RT: 16.002 min Scan# 1676
Delta R.T. -0.000 min
Lab File: BN030076.D
Acq: 27 Feb 2024 03:14

Tgt Ion:	330	Resp:	562
Ion	Ratio	Lower	Upper
330	100		
332	95.6	76.0	114.0
141	64.6	43.4	65.2

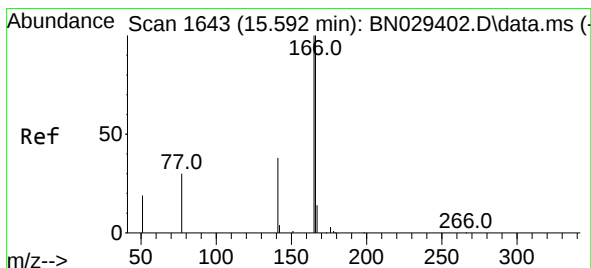
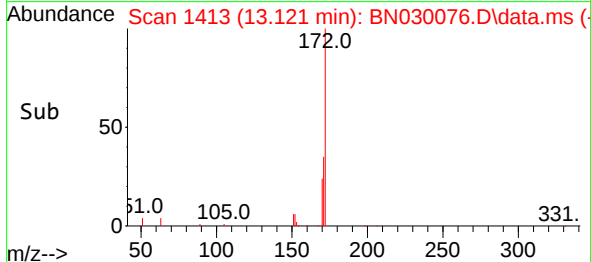
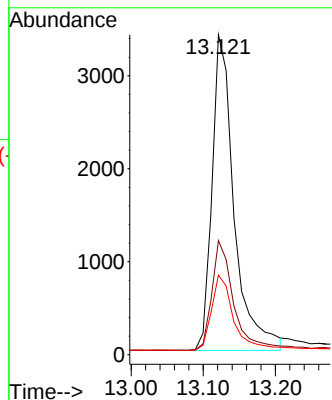
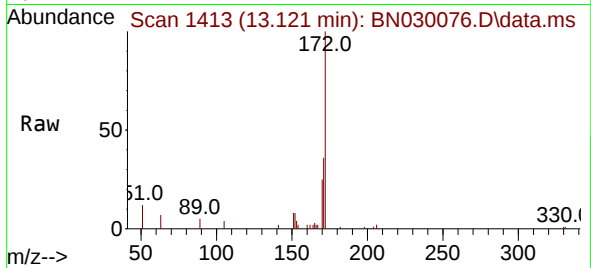




#15
2-Fluorobiphenyl
Concen: 0.364 ng
RT: 13.121 min Scan# 1418
Delta R.T. -0.000 min
Lab File: BN030076.D
Acq: 27 Feb 2024 03:14

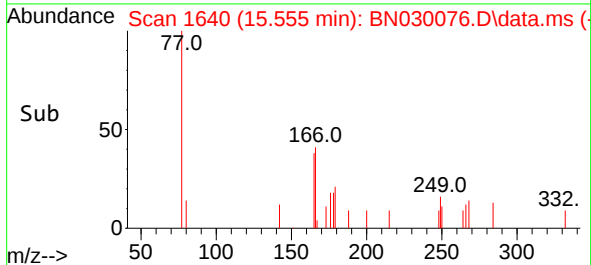
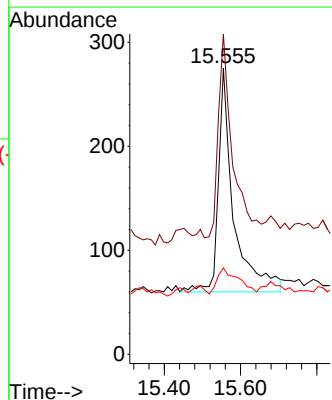
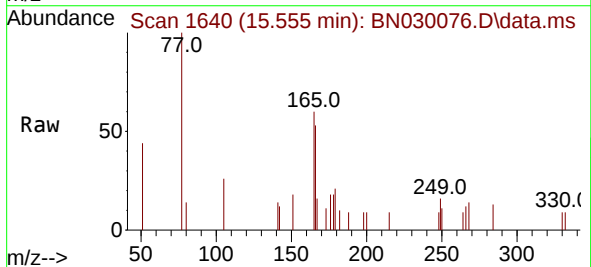
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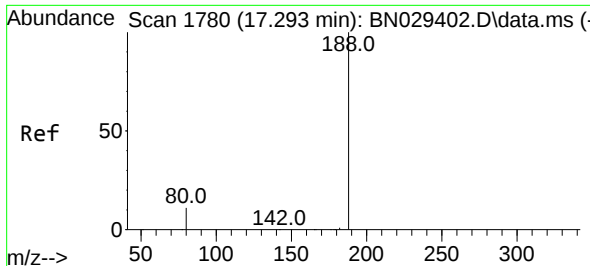
Tgt Ion:172 Resp: 7229
Ion Ratio Lower Upper
172 100
171 35.6 28.0 42.0
170 24.8 18.7 28.1



#18
Fluorene
Concen: 0.031 ng
RT: 15.555 min Scan# 1640
Delta R.T. 0.012 min
Lab File: BN030076.D
Acq: 27 Feb 2024 03:14

Tgt Ion:166 Resp: 578
Ion Ratio Lower Upper
166 100
165 88.8 79.9 119.9
167 16.4 11.3 16.9

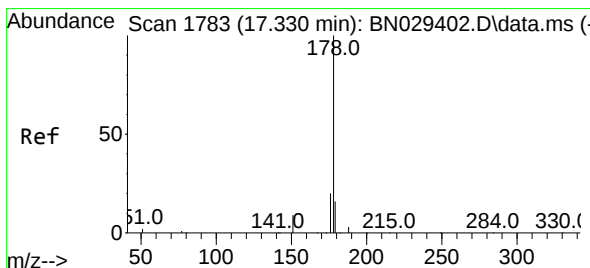
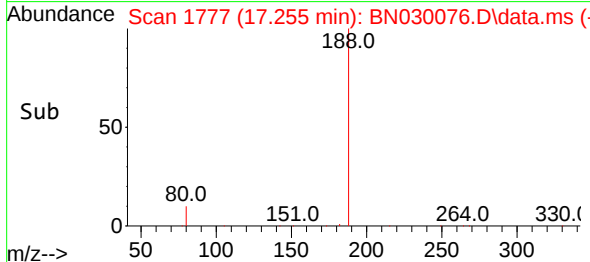
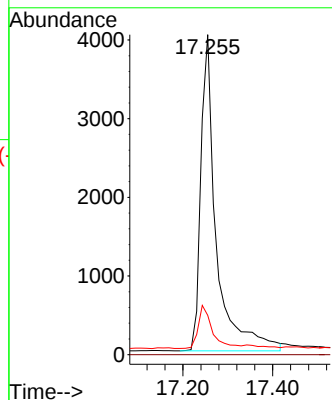
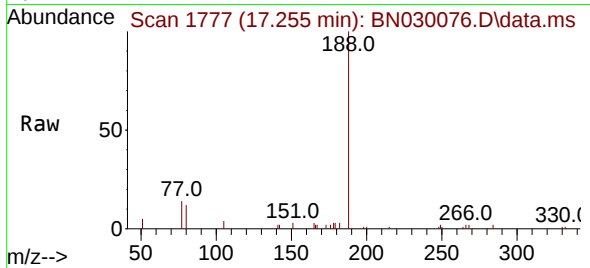




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.255 min Scan# 1777
Delta R.T. -0.000 min
Lab File: BN030076.D
Acq: 27 Feb 2024 03:14

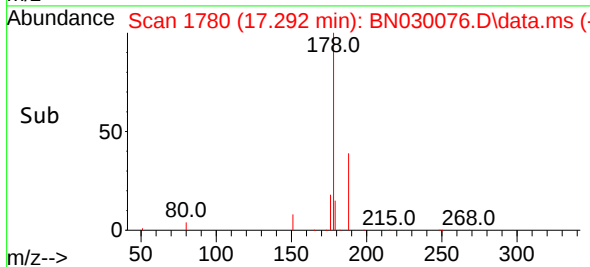
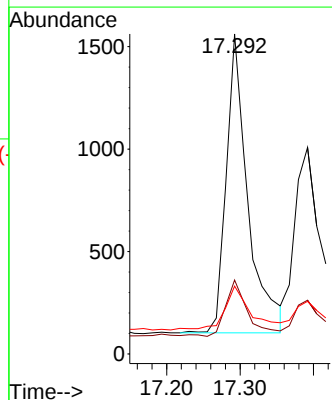
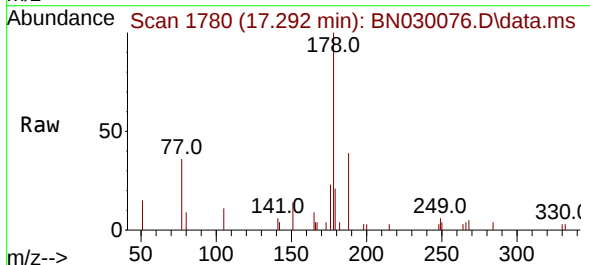
Instrument :
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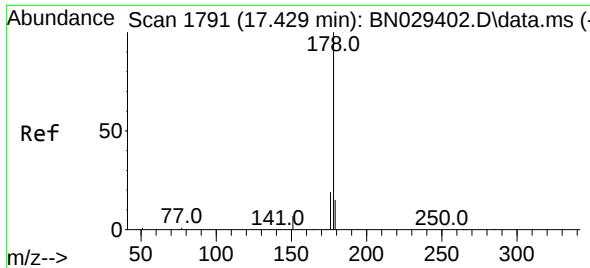
Tgt Ion:188 Resp: 9632
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 12.3 10.0 15.0



#25
Phenanthrene
Concen: 0.105 ng
RT: 17.292 min Scan# 1780
Delta R.T. -0.000 min
Lab File: BN030076.D
Acq: 27 Feb 2024 03:14

Tgt Ion:178 Resp: 2985
Ion Ratio Lower Upper
178 100
176 17.7 15.8 23.6
179 17.6 12.6 19.0

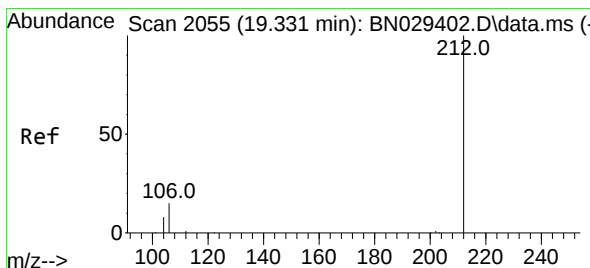
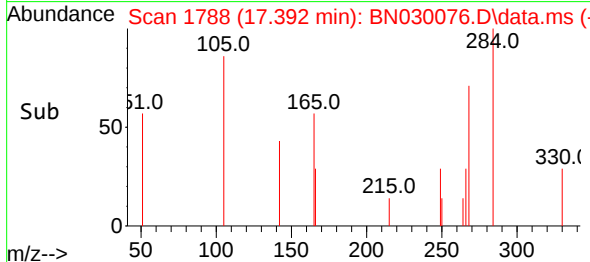
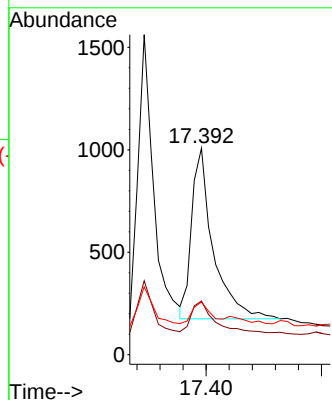
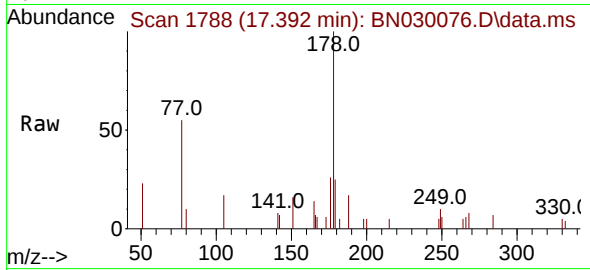




#26
 Anthracene
 Concen: 0.089 ng
 RT: 17.392 min Scan# 1791
 Delta R.T. -0.000 min
 Lab File: BN030076.D
 Acq: 27 Feb 2024 03:14

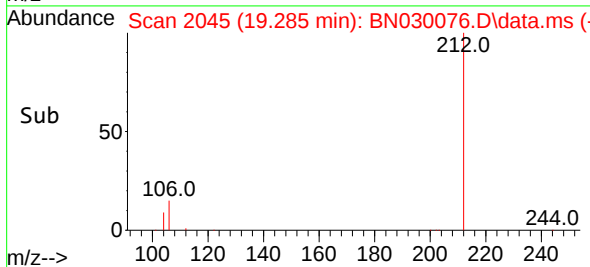
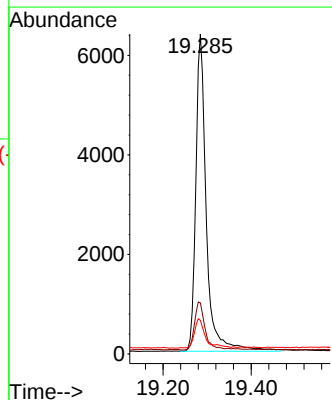
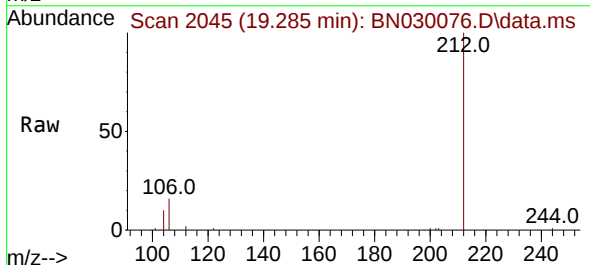
Instrument :
 BNA_N
 ClientSampleId :
 RE115D2-20240222

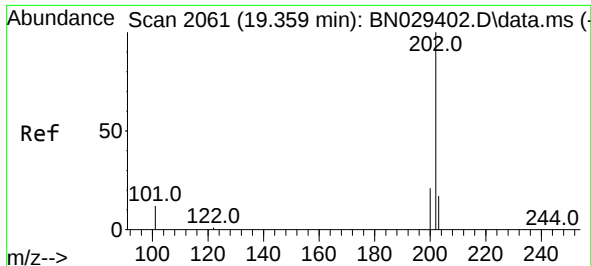
Tgt Ion:178 Resp: 2163
 Ion Ratio Lower Upper
 178 100
 176 21.2 15.0 22.4
 179 10.4 12.3 18.5#



#27
 Fluoranthene-d10
 Concen: 0.452 ng
 RT: 19.285 min Scan# 2045
 Delta R.T. -0.005 min
 Lab File: BN030076.D
 Acq: 27 Feb 2024 03:14

Tgt Ion:212 Resp: 10537
 Ion Ratio Lower Upper
 212 100
 106 15.0 13.2 19.8
 104 9.8 7.7 11.5

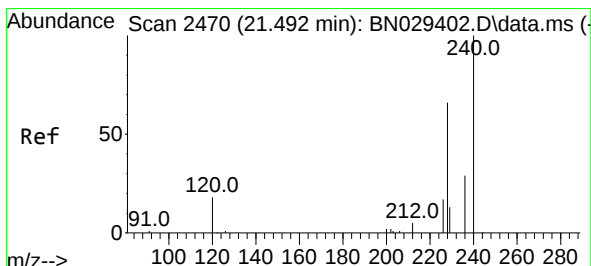
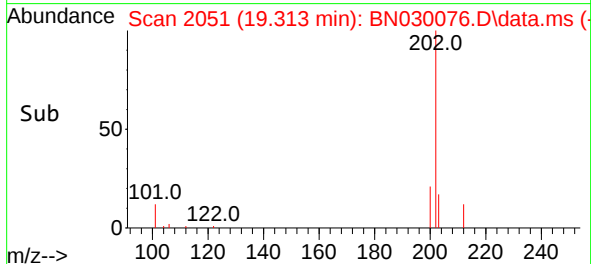
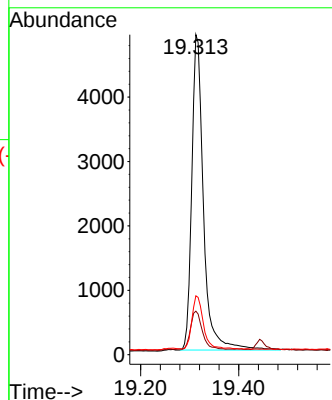
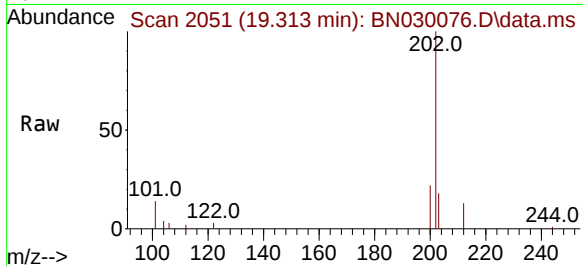




#28
Fluoranthene
Concen: 0.253 ng
RT: 19.313 min Scan# 2061
Delta R.T. -0.005 min
Lab File: BN030076.D
Acq: 27 Feb 2024 03:14

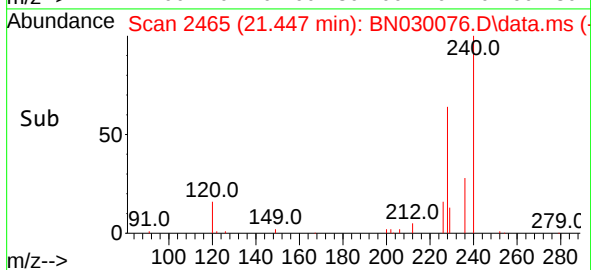
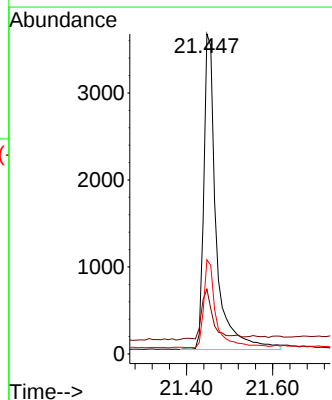
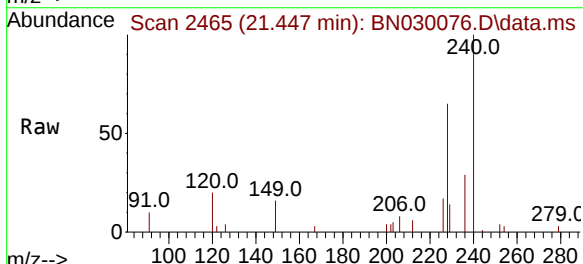
Instrument :
BNA_N
ClientSampleId :
RE115D2-20240222

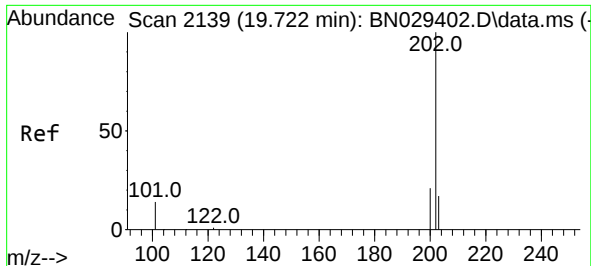
Tgt Ion:202 Resp: 8107
Ion Ratio Lower Upper
202 100
101 12.6 10.5 15.7
203 16.8 13.5 20.3



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.447 min Scan# 2465
Delta R.T. -0.009 min
Lab File: BN030076.D
Acq: 27 Feb 2024 03:14

Tgt Ion:240 Resp: 7316
Ion Ratio Lower Upper
240 100
120 20.3 16.7 25.1
236 29.4 23.9 35.9

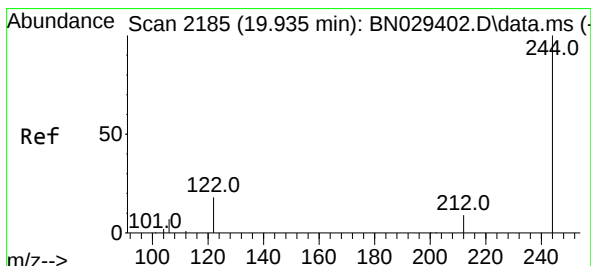
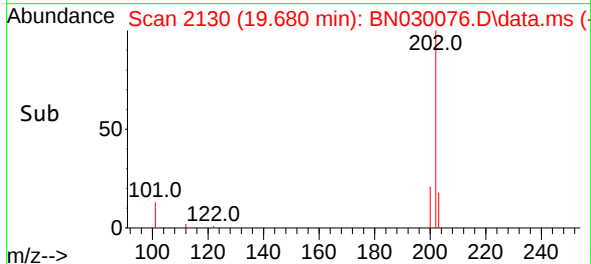
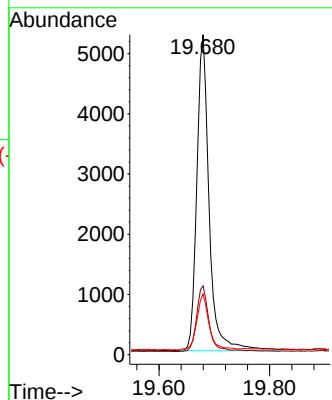
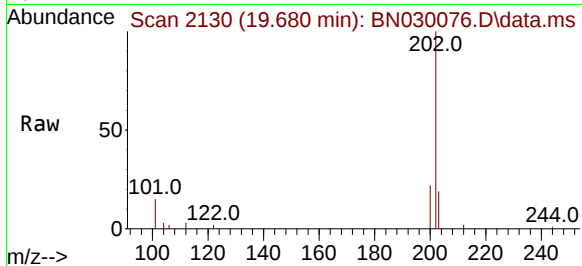




#30
Pyrene
Concen: 0.241 ng
RT: 19.680 min Scan# 2117
Delta R.T. -0.005 min
Lab File: BN030076.D
Acq: 27 Feb 2024 03:14

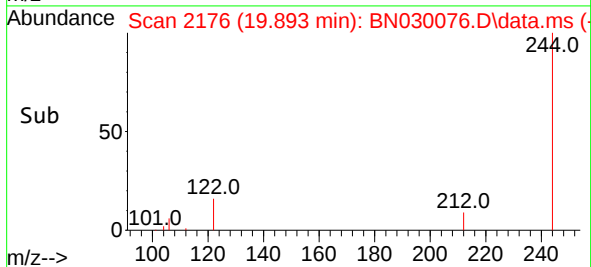
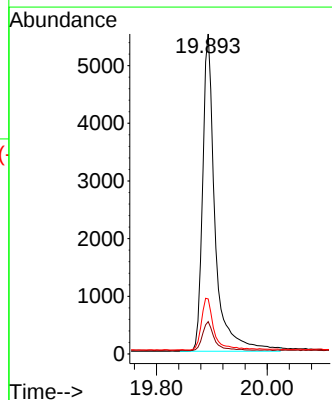
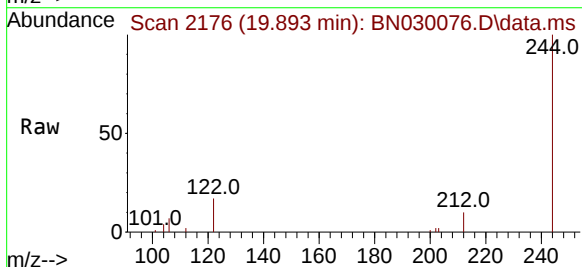
Instrument :
BNA_N
ClientSampleId :
RE115D2-20240222

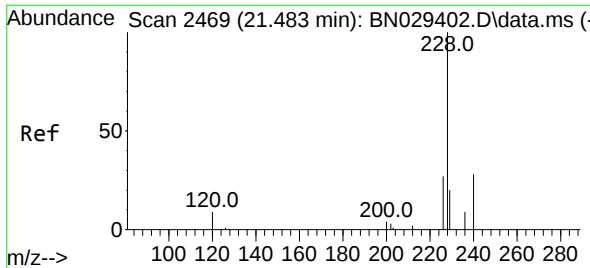
Tgt Ion:202 Resp: 8117
Ion Ratio Lower Upper
202 100
200 20.4 16.6 25.0
203 17.6 14.2 21.4



#31
Terphenyl-d14
Concen: 0.477 ng
RT: 19.893 min Scan# 2176
Delta R.T. -0.005 min
Lab File: BN030076.D
Acq: 27 Feb 2024 03:14

Tgt Ion:244 Resp: 8656
Ion Ratio Lower Upper
244 100
212 10.1 8.2 12.4
122 17.2 15.6 23.4

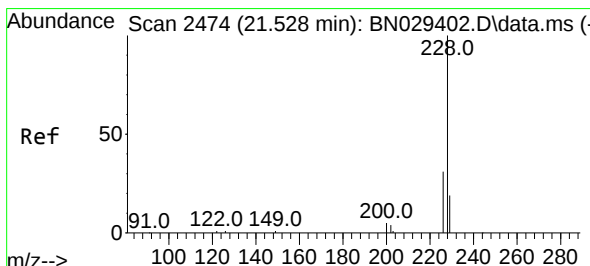
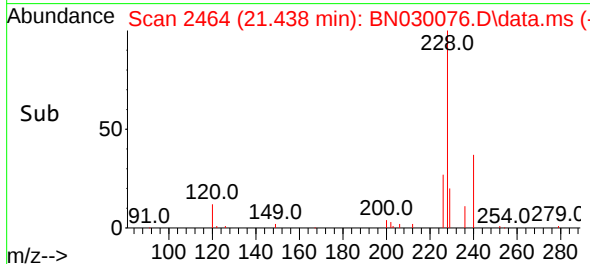
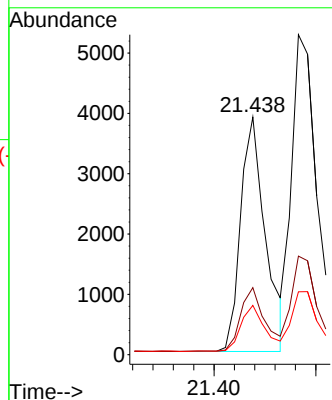
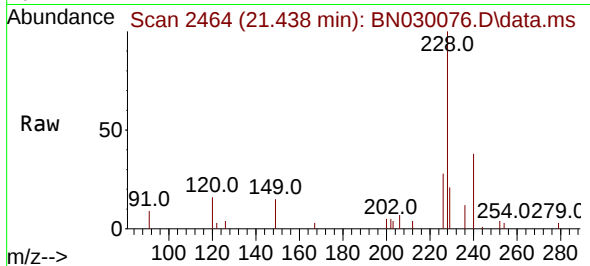




#32
Benzo(a)anthracene
Concen: 0.262 ng
RT: 21.438 min Scan# 2464
Delta R.T. -0.000 min
Lab File: BN030076.D
Acq: 27 Feb 2024 03:14

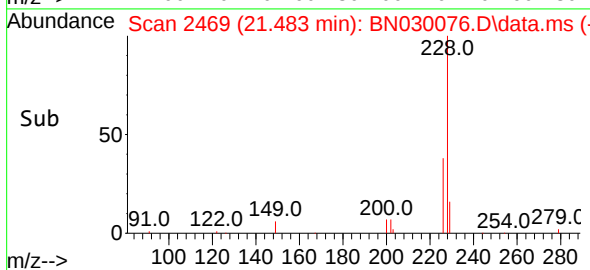
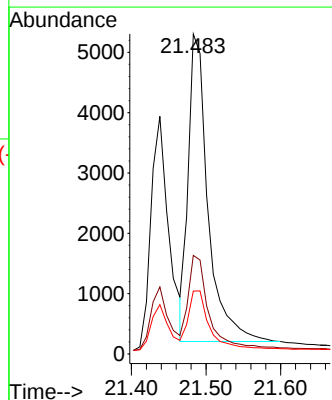
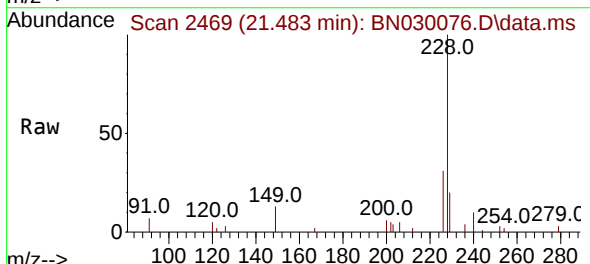
Instrument :
BNA_N
ClientSampleId :
RE115D2-20240222

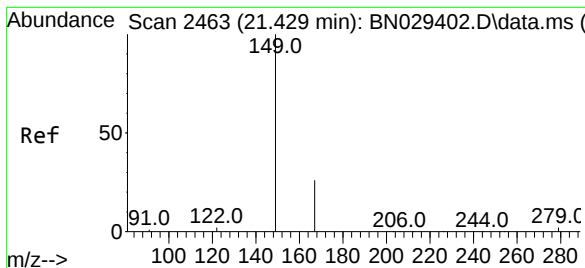
Tgt Ion:228 Resp: 6559
Ion Ratio Lower Upper
228 100
226 28.2 22.2 33.4
229 20.8 16.5 24.7



#33
Chrysene
Concen: 0.330 ng
RT: 21.483 min Scan# 2469
Delta R.T. -0.009 min
Lab File: BN030076.D
Acq: 27 Feb 2024 03:14

Tgt Ion:228 Resp: 9370
Ion Ratio Lower Upper
228 100
226 30.8 24.9 37.3
229 19.6 15.9 23.9

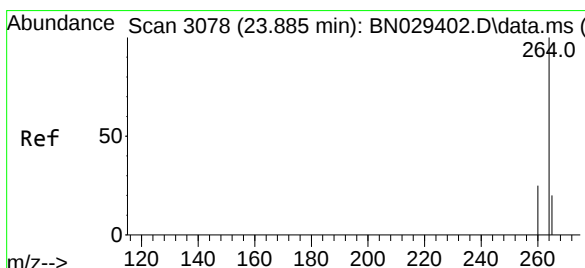
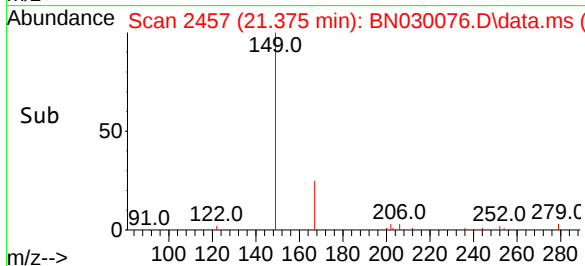
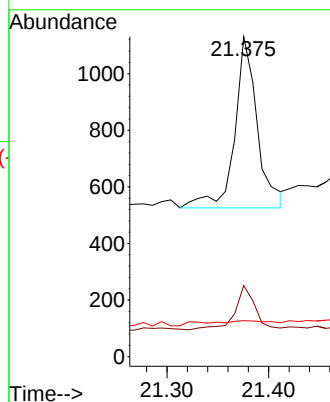
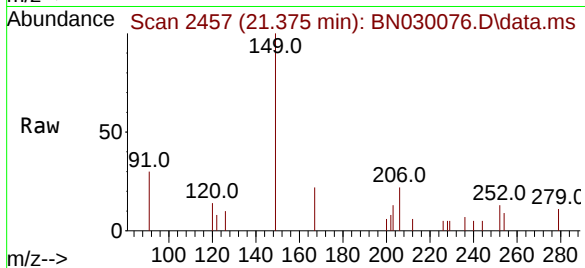




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.055 ng
 RT: 21.375 min Scan# 2463
 Delta R.T. -0.009 min
 Lab File: BN030076.D
 Acq: 27 Feb 2024 03:14

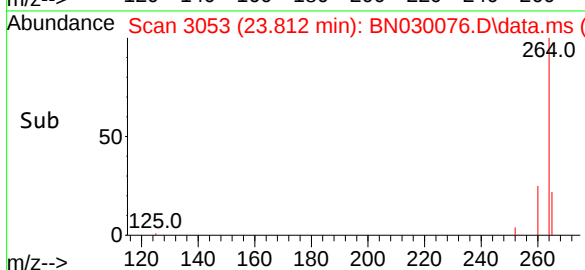
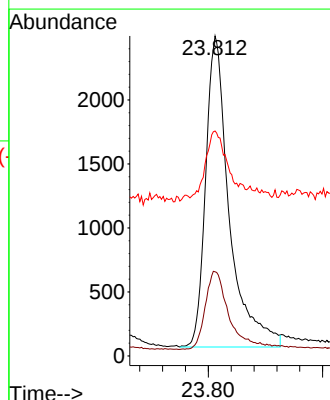
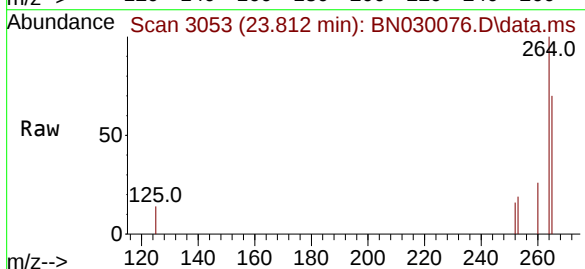
Instrument :
 BNA_N
 ClientSampleId :
 RE115D2-20240222

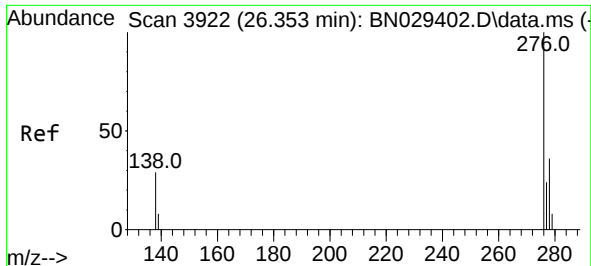
Tgt Ion:149 Resp: 931
 Ion Ratio Lower Upper
 149 100
 167 23.0 20.1 30.1
 279 2.7 2.5 3.7



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.812 min Scan# 3053
 Delta R.T. -0.009 min
 Lab File: BN030076.D
 Acq: 27 Feb 2024 03:14

Tgt Ion:264 Resp: 6968
 Ion Ratio Lower Upper
 264 100
 260 26.3 21.2 31.8
 265 70.3 41.5 62.3#

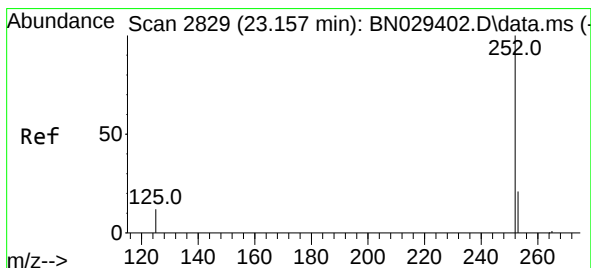
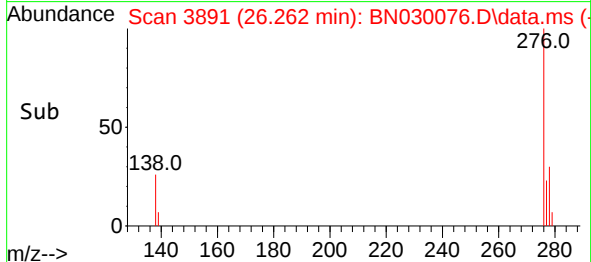
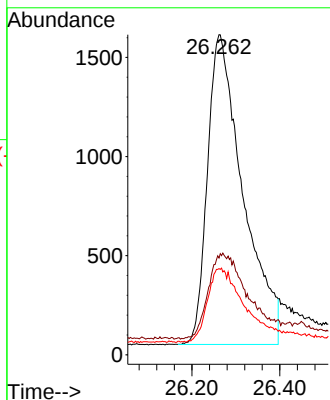
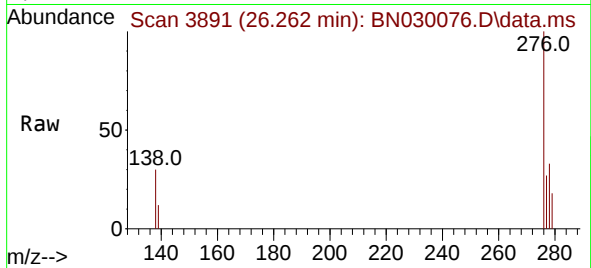




#36
Indeno(1,2,3-cd)pyrene
Concen: 0.313 ng
RT: 26.262 min Scan# 31
Delta R.T. -0.006 min
Lab File: BN030076.D
Acq: 27 Feb 2024 03:14

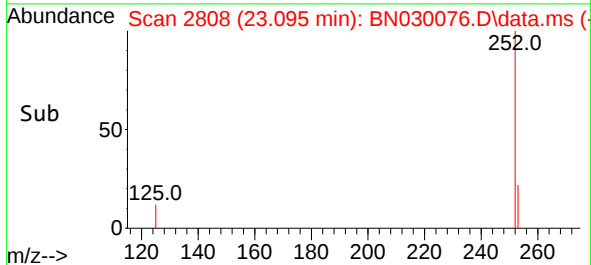
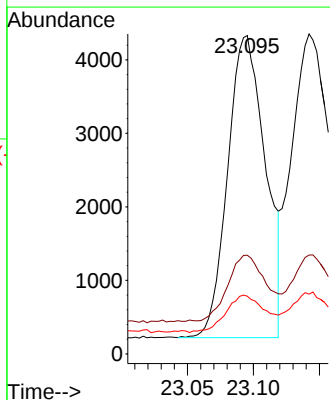
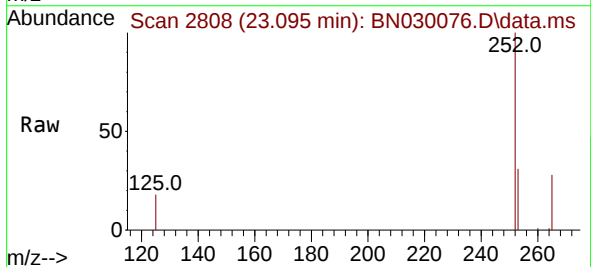
Instrument :
BNA_N
ClientSampleId :
RE115D2-20240222

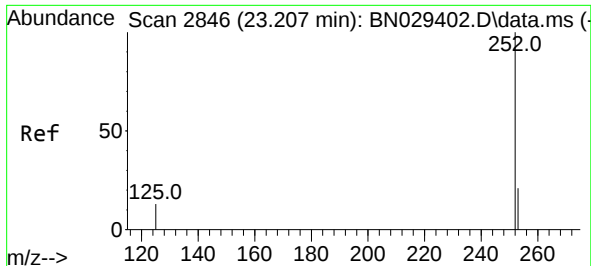
Tgt Ion:276 Resp: 8777
Ion Ratio Lower Upper
276 100
138 14.0 20.5 30.7#
277 24.8 17.0 25.4



#37
Benzo(b)fluoranthene
Concen: 0.328 ng
RT: 23.095 min Scan# 2808
Delta R.T. -0.003 min
Lab File: BN030076.D
Acq: 27 Feb 2024 03:14

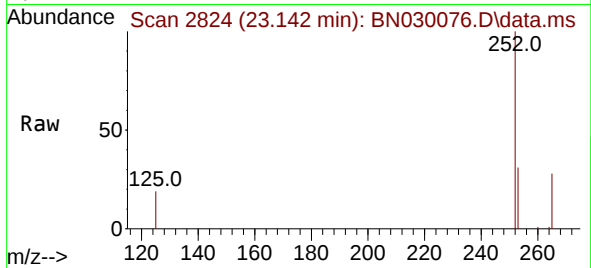
Tgt Ion:252 Resp: 8170
Ion Ratio Lower Upper
252 100
253 31.0 21.7 32.5
125 18.2 13.3 19.9



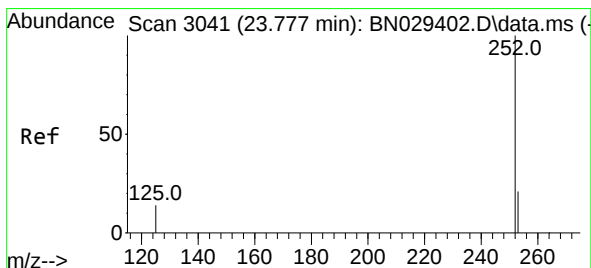
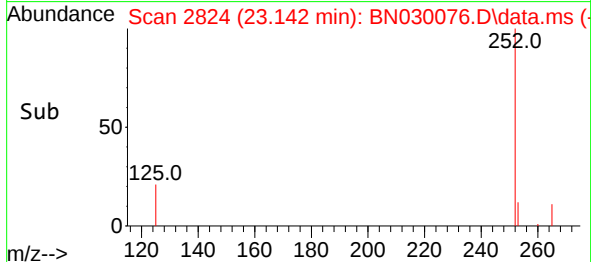
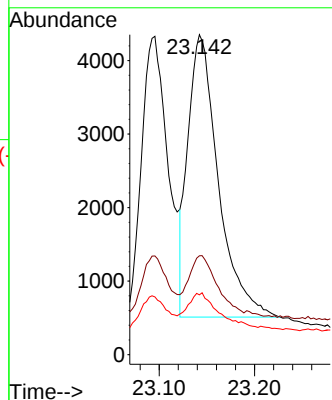


#38
Benzo(k)fluoranthene
Concen: 0.327 ng
RT: 23.142 min Scan# 21
Delta R.T. -0.006 min
Lab File: BN030076.D
Acq: 27 Feb 2024 03:14

Instrument :
BNA_N
ClientSampleId :
RE115D2-20240222

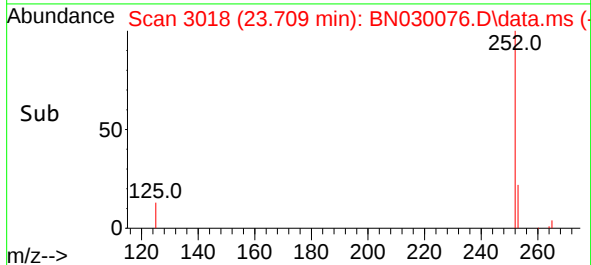
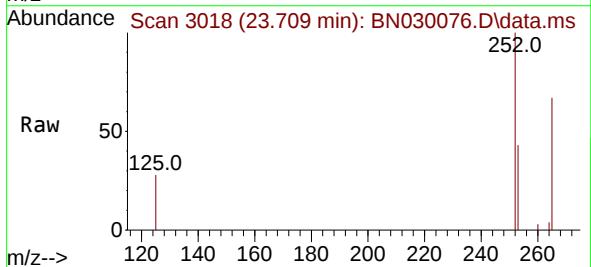
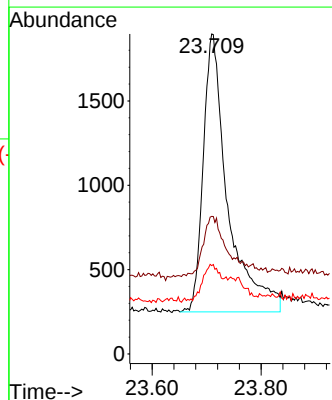


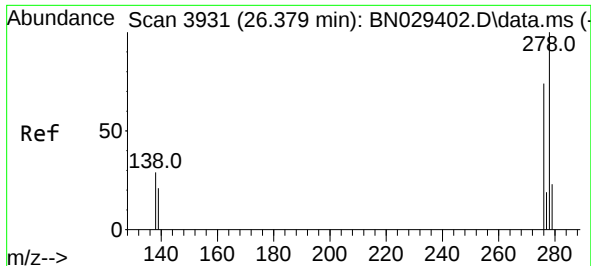
Tgt Ion:252 Resp: 8518
Ion Ratio Lower Upper
252 100
253 30.9 21.8 32.8
125 18.7 13.9 20.9



#39
Benzo(a)pyrene
Concen: 0.238 ng
RT: 23.709 min Scan# 3018
Delta R.T. -0.006 min
Lab File: BN030076.D
Acq: 27 Feb 2024 03:14

Tgt Ion:252 Resp: 5160
Ion Ratio Lower Upper
252 100
253 43.0 24.9 37.3#
125 27.6 16.6 25.0#

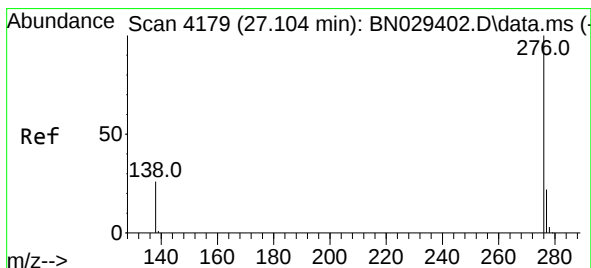
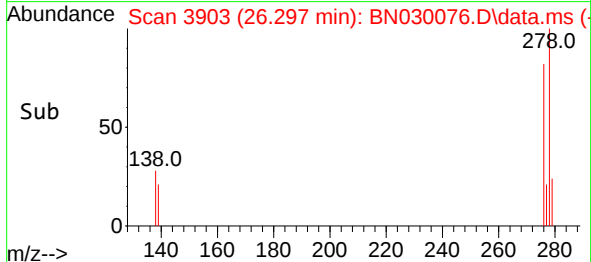
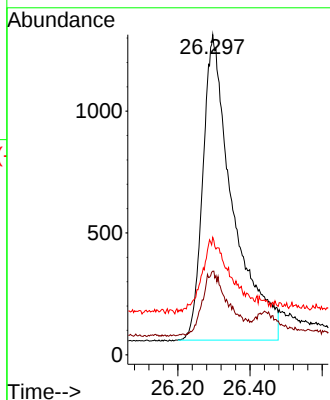
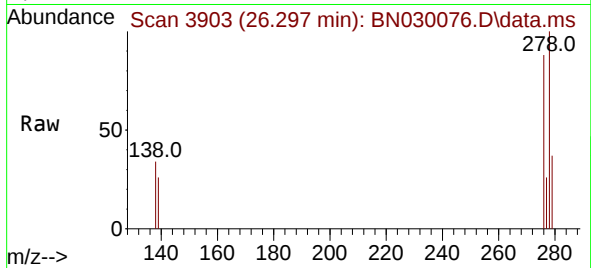




#40
Dibenzo(a,h)anthracene
Concen: 0.324 ng
RT: 26.297 min Scan# 3931
Delta R.T. -0.006 min
Lab File: BN030076.D
Acq: 27 Feb 2024 03:14

Instrument :
BNA_N
ClientSampleId :
RE115D2-20240222

Tgt Ion:278 Resp: 7236
Ion Ratio Lower Upper
278 100
139 26.1 20.4 30.6
279 36.7 25.0 37.6



#41
Benzo(g,h,i)perylene
Concen: 0.298 ng
RT: 26.993 min Scan# 4141
Delta R.T. -0.015 min
Lab File: BN030076.D
Acq: 27 Feb 2024 03:14

Tgt Ion:276 Resp: 8096
Ion Ratio Lower Upper
276 100
277 26.6 19.4 29.2
138 30.3 23.5 35.3

