

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN080723\
 Data File : BN026835.D
 Acq On : 07 Aug 2023 17:44
 Operator : MA/JU
 Sample : 03909-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SP-201-20230803

Quant Time: Aug 08 00:51:13 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN080123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 02 00:35:47 2023
 Response via : Initial Calibration

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

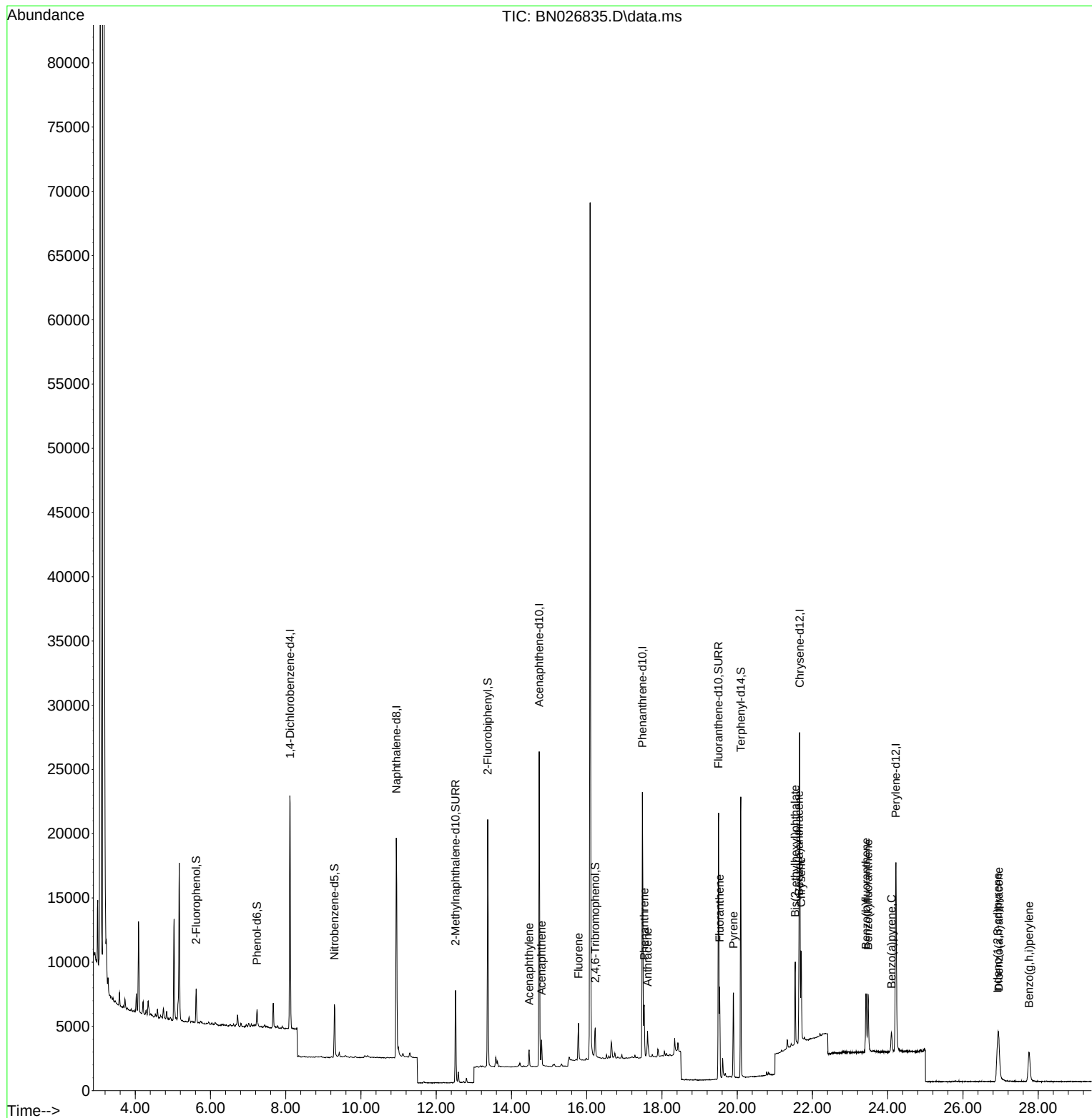
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.117	152	9222	0.400	ng	0.00
7) Naphthalene-d8	10.938	136	24904	0.400	ng	-0.01
13) Acenaphthene-d10	14.737	164	13755	0.400	ng	-0.01
19) Phenanthrene-d10	17.480	188	28586	0.400	ng	-0.01
29) Chrysene-d12	21.659	240	22079	0.400	ng	-0.02
35) Perylene-d12	24.218	264	22995	0.400	ng	#-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.618	112	2120	0.091	ng	0.00
5) Phenol-d6	7.236	99	1298	0.043	ng	0.00
8) Nitrobenzene-d5	9.294	82	3624	0.246	ng	-0.01
11) 2-Methylnaphthalene-d10	12.513	152	9478	0.265	ng	-0.01
14) 2,4,6-Tribromophenol	16.226	330	1481	0.316	ng	0.00
15) 2-Fluorobiphenyl	13.368	172	16306	0.290	ng	-0.01
27) Fluoranthene-d10	19.504	212	22744	0.331	ng	0.00
31) Terphenyl-d14	20.094	244	21467	0.466	ng	-0.01
Target Compounds						
						Qvalue
16) Acenaphthylene	14.469	152	1870	0.028	ng	98
17) Acenaphthene	14.801	154	945	0.022	ng	99
18) Fluorene	15.780	166	2070	0.037	ng	98
25) Phenanthrene	17.530	178	4669	0.054	ng	98
26) Anthracene	17.617	178	2308	0.030	ng	# 90
28) Fluoranthene	19.532	202	6168	0.064	ng	99
30) Pyrene	19.899	202	6046	0.063	ng	99
32) Benzo(a)anthracene	21.641	228	5010	0.066	ng	96
33) Chrysene	21.704	228	6620	0.079	ng	98
34) Bis(2-ethylhexyl)phtha...	21.542	149	6772	0.270	ng	# 99
36) Indeno(1,2,3-cd)pyrene	26.922	276	7269	0.077	ng	98
37) Benzo(b)fluoranthene	23.423	252	6729	0.074	ng	# 83
38) Benzo(k)fluoranthene	23.478	252	6639	0.071	ng	# 81
39) Benzo(a)pyrene	24.101	252	2614	0.032	ng	# 43
40) Dibenzo(a,h)anthracene	26.952	278	5575	0.076	ng	# 86
41) Benzo(g,h,i)perylene	27.756	276	5711	0.066	ng	# 90

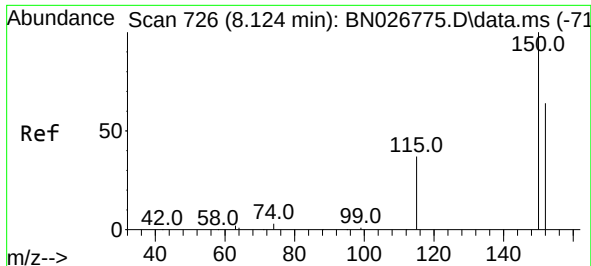
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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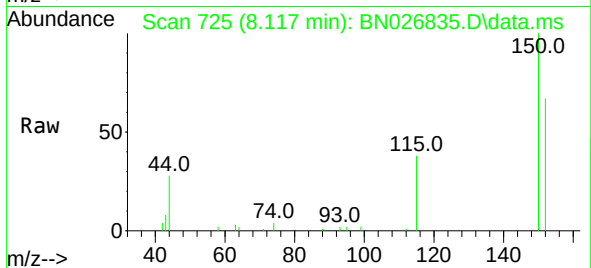
Quant Time: Aug 08 00:51:13 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 02 00:35:47 2023
Response via : Initial Calibration



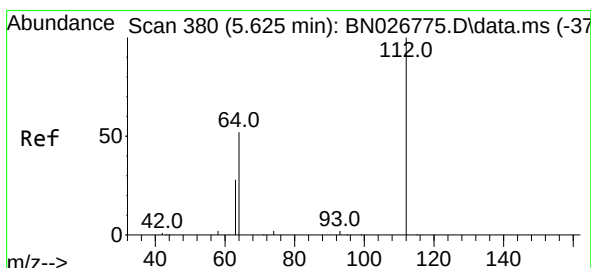
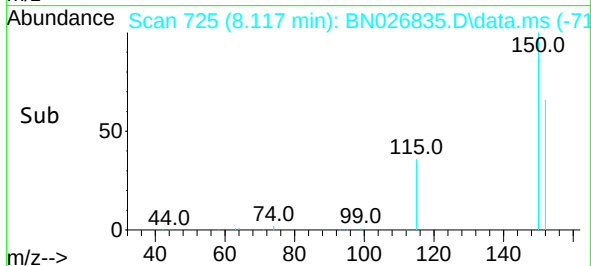
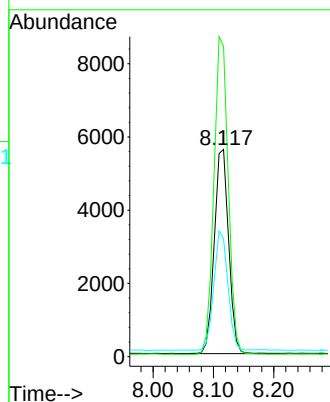


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.117 min Scan# 71
Delta R.T. -0.007 min
Lab File: BN026835.D
Acq: 07 Aug 2023 17:44

Instrument :
BNA_N
ClientSampleId :
SP-201-20230803

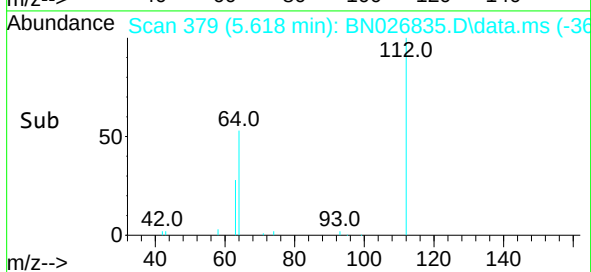
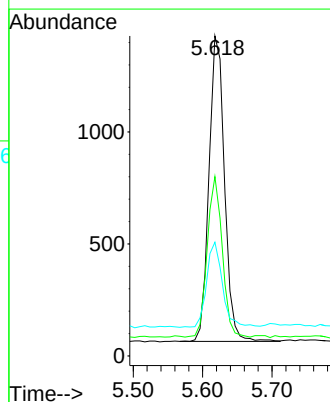
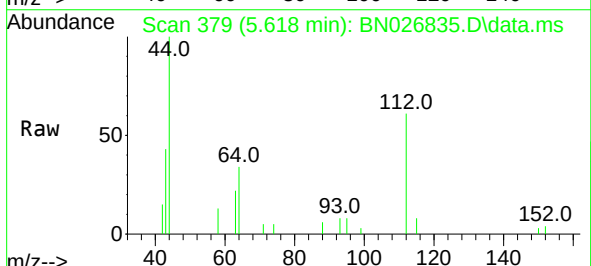


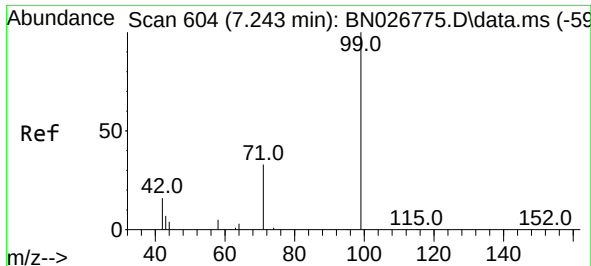
Tgt Ion:152 Resp: 9222
Ion Ratio Lower Upper
152 100
150 149.8 123.8 185.8
115 56.9 48.0 72.0



#4
2-Fluorophenol
Concen: 0.091 ng
RT: 5.618 min Scan# 379
Delta R.T. -0.007 min
Lab File: BN026835.D
Acq: 07 Aug 2023 17:44

Tgt Ion:112 Resp: 2120
Ion Ratio Lower Upper
112 100
64 50.9 42.2 63.2
63 28.5 22.7 34.1

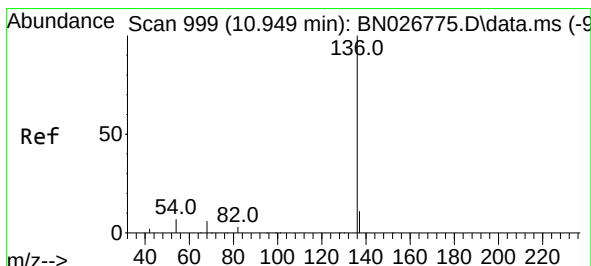
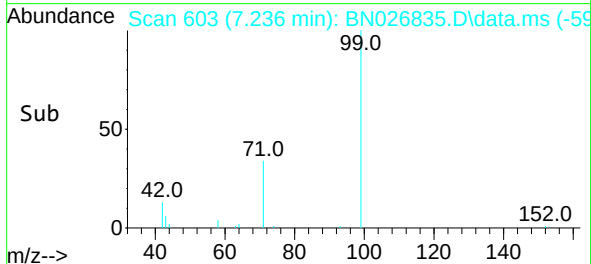
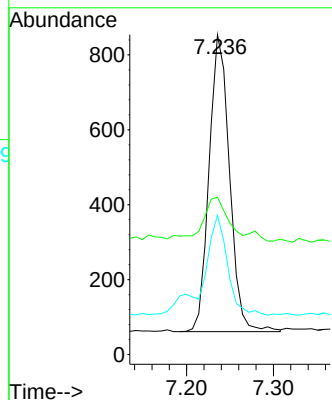
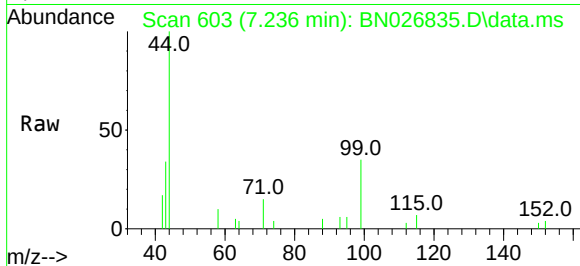




#5
Phenol-d6
Concen: 0.043 ng
RT: 7.236 min Scan# 604
Delta R.T. -0.007 min
Lab File: BN026835.D
Acq: 07 Aug 2023 17:44

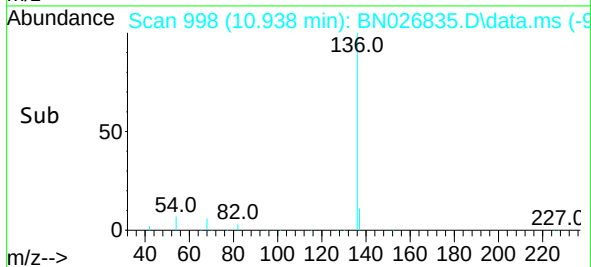
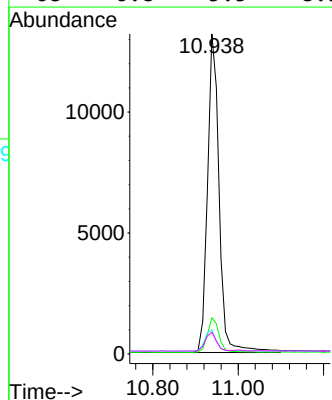
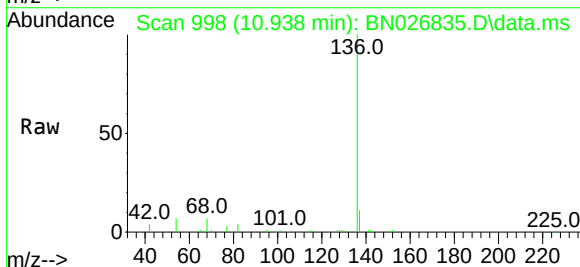
Instrument :
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ClientSampleId :
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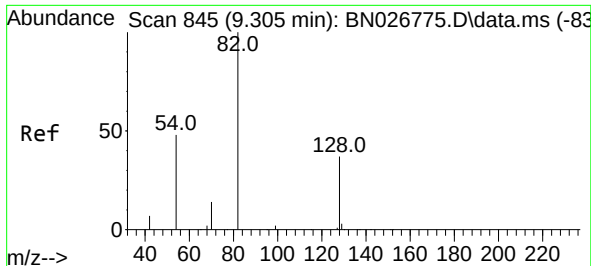
Tgt Ion: 99 Resp: 1298
Ion Ratio Lower Upper
99 100
42 20.4 14.6 22.0
71 39.8 26.6 40.0



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.938 min Scan# 998
Delta R.T. -0.011 min
Lab File: BN026835.D
Acq: 07 Aug 2023 17:44

Tgt Ion: 136 Resp: 24904
Ion Ratio Lower Upper
136 100
137 11.3 9.0 13.4
54 7.4 6.2 9.2
68 6.8 5.5 8.3

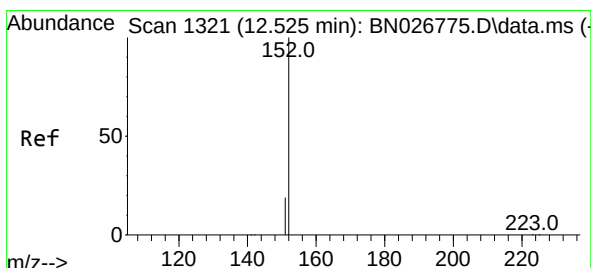
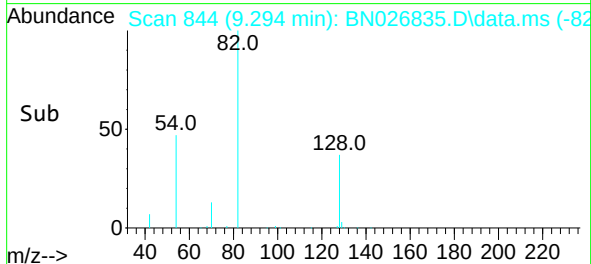
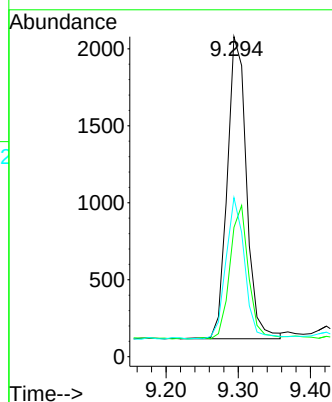
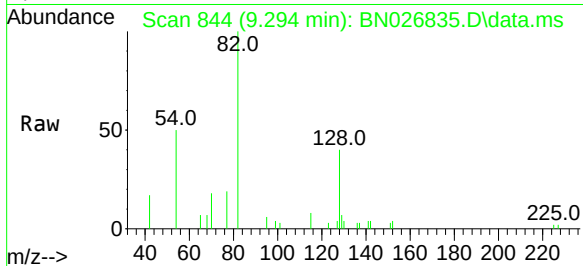




#8
Nitrobenzene-d5
Concen: 0.246 ng
RT: 9.294 min Scan# 845
Delta R.T. -0.011 min
Lab File: BN026835.D
Acq: 07 Aug 2023 17:44

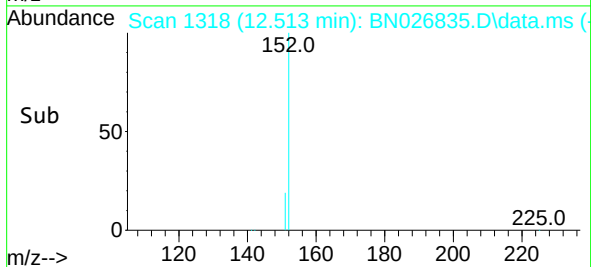
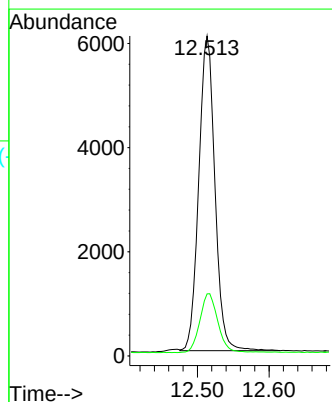
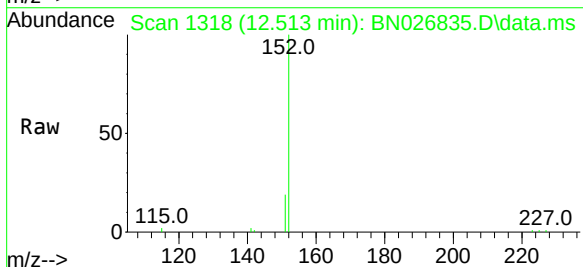
Instrument :
BNA_N
ClientSampleId :
SP-201-20230803

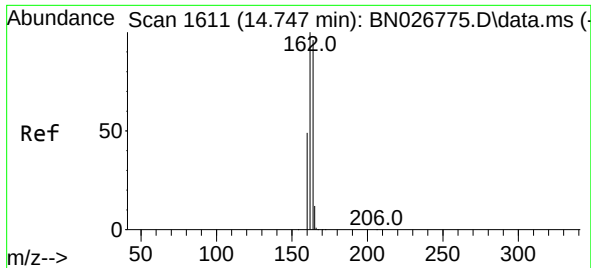
Tgt Ion: 82 Resp: 3624
Ion Ratio Lower Upper
82 100
128 40.4 30.5 45.7
54 49.7 39.4 59.2



#11
2-Methylnaphthalene-d10
Concen: 0.265 ng
RT: 12.513 min Scan# 1318
Delta R.T. -0.011 min
Lab File: BN026835.D
Acq: 07 Aug 2023 17:44

Tgt Ion: 152 Resp: 9478
Ion Ratio Lower Upper
152 100
151 21.1 16.5 24.7

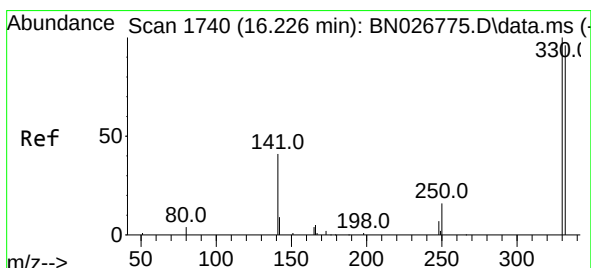
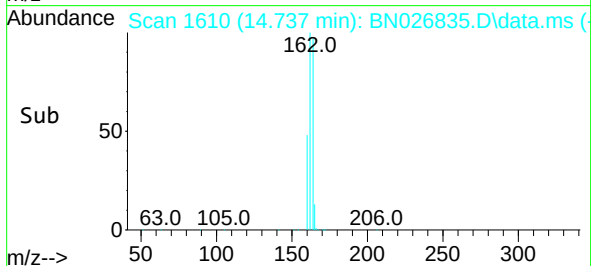
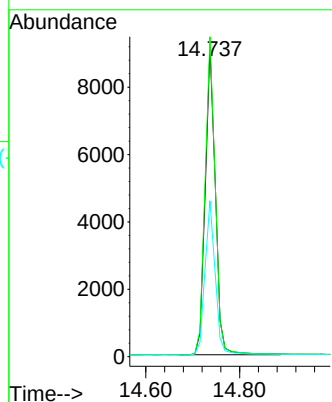
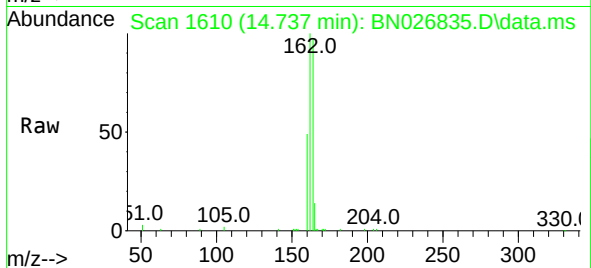




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.737 min Scan# 1610
Delta R.T. -0.011 min
Lab File: BN026835.D
Acq: 07 Aug 2023 17:44

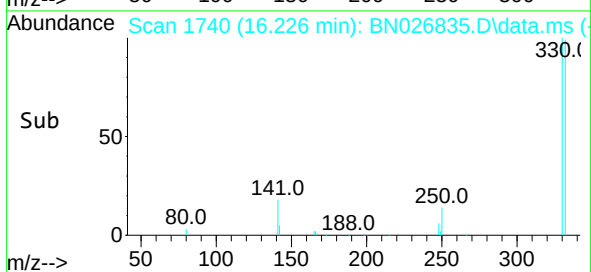
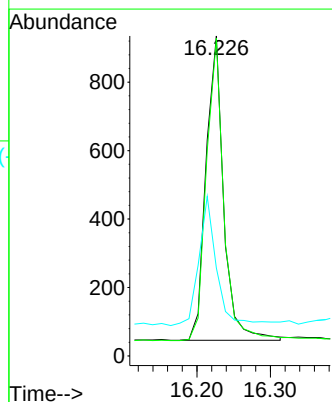
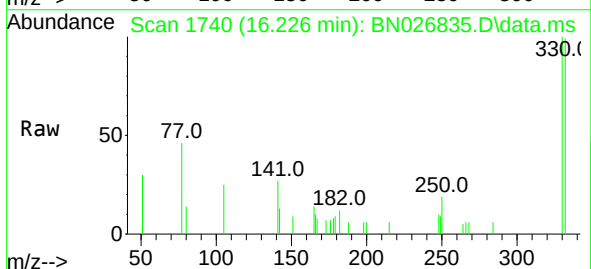
Instrument :
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ClientSampleId :
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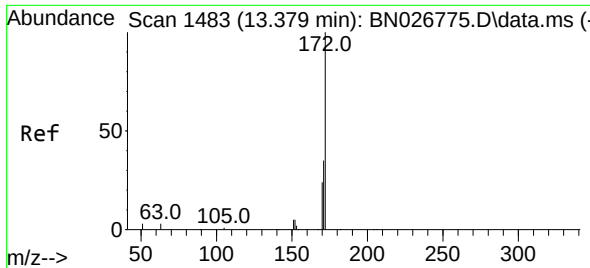
Tgt Ion:164 Resp: 13755
Ion Ratio Lower Upper
164 100
162 103.1 83.0 124.6
160 50.3 40.8 61.2



#14
2,4,6-Tribromophenol
Concen: 0.316 ng
RT: 16.226 min Scan# 1740
Delta R.T. 0.000 min
Lab File: BN026835.D
Acq: 07 Aug 2023 17:44

Tgt Ion:330 Resp: 1481
Ion Ratio Lower Upper
330 100
332 98.0 77.8 116.6
141 42.8 34.8 52.2

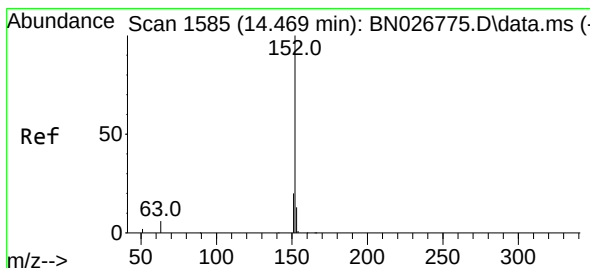
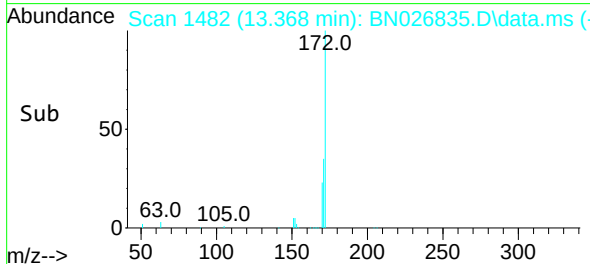
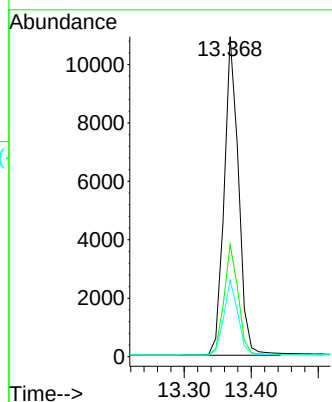
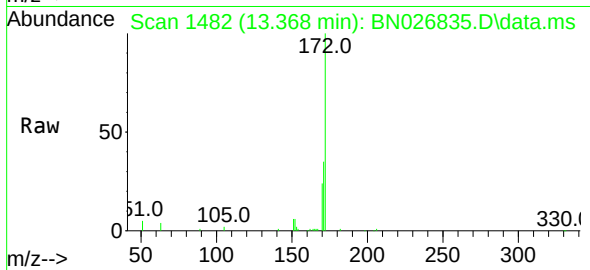




#15
2-Fluorobiphenyl
Concen: 0.290 ng
RT: 13.368 min Scan# 1483
Delta R.T. -0.011 min
Lab File: BN026835.D
Acq: 07 Aug 2023 17:44

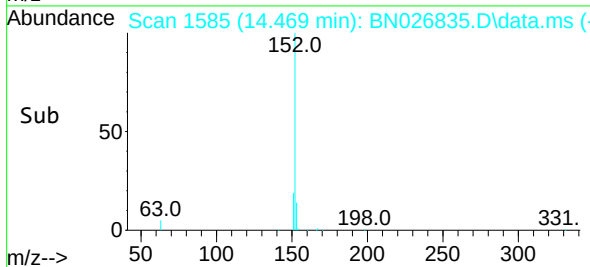
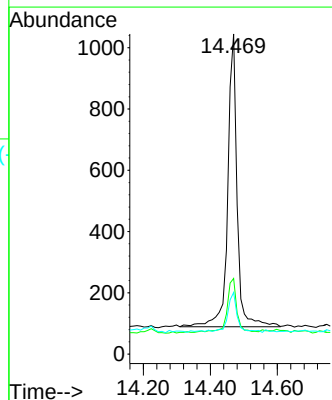
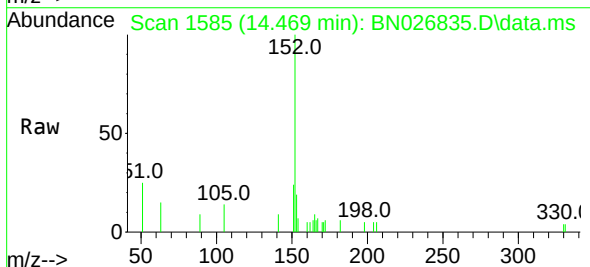
Instrument :
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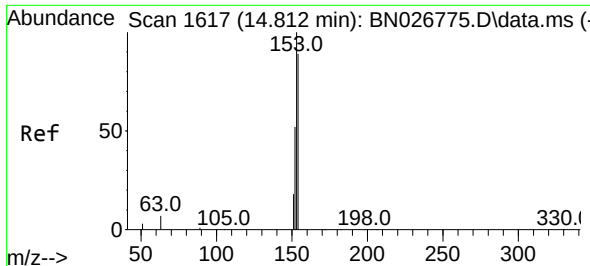
Tgt Ion:172 Resp: 16306
Ion Ratio Lower Upper
172 100
171 35.0 28.0 42.0
170 23.9 19.2 28.8



#16
Acenaphthylene
Concen: 0.028 ng
RT: 14.469 min Scan# 1585
Delta R.T. 0.000 min
Lab File: BN026835.D
Acq: 07 Aug 2023 17:44

Tgt Ion:152 Resp: 1870
Ion Ratio Lower Upper
152 100
151 19.1 15.7 23.5
153 14.0 10.5 15.7

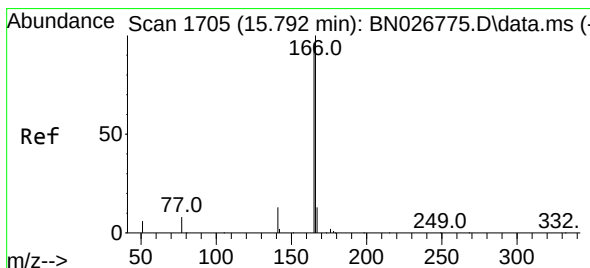
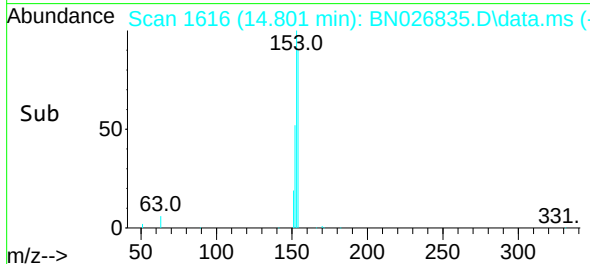
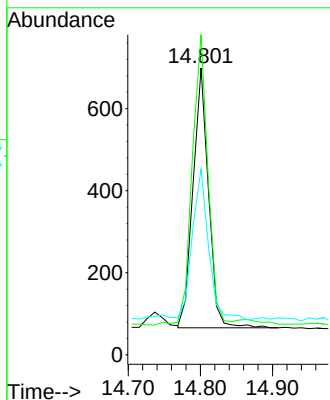
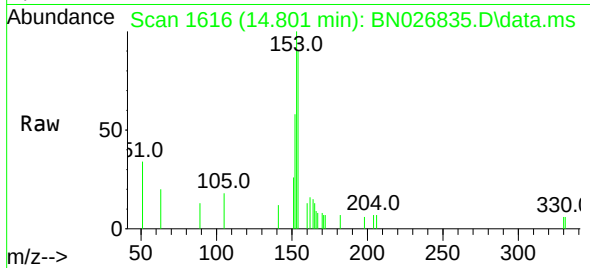




#17
Acenaphthene
Concen: 0.022 ng
RT: 14.801 min Scan# 1
Delta R.T. -0.011 min
Lab File: BN026835.D
Acq: 07 Aug 2023 17:44

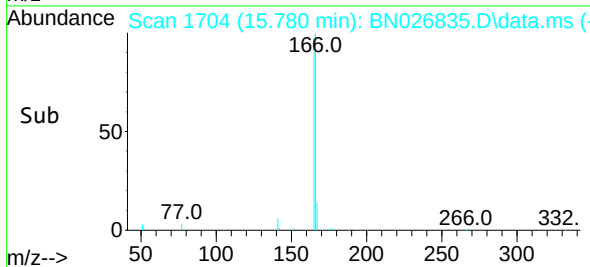
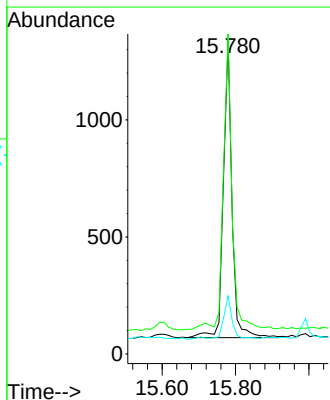
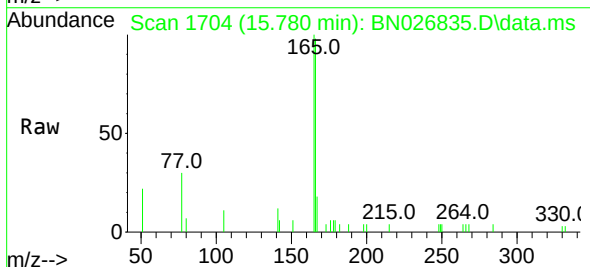
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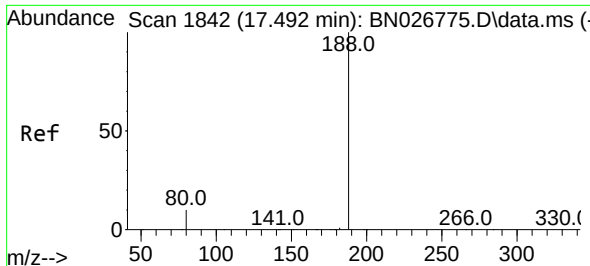
Tgt Ion:154 Resp: 945
Ion Ratio Lower Upper
154 100
153 113.8 90.0 135.0
152 60.3 48.6 73.0



#18
Fluorene
Concen: 0.037 ng
RT: 15.780 min Scan# 1704
Delta R.T. -0.012 min
Lab File: BN026835.D
Acq: 07 Aug 2023 17:44

Tgt Ion:166 Resp: 2070
Ion Ratio Lower Upper
166 100
165 101.5 79.0 118.6
167 13.5 10.9 16.3

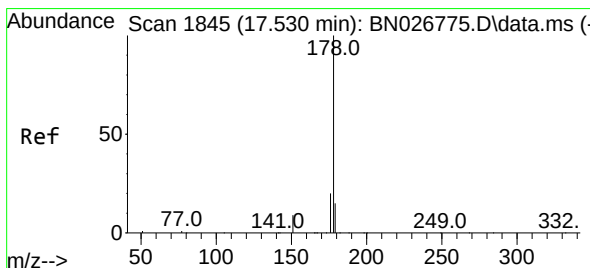
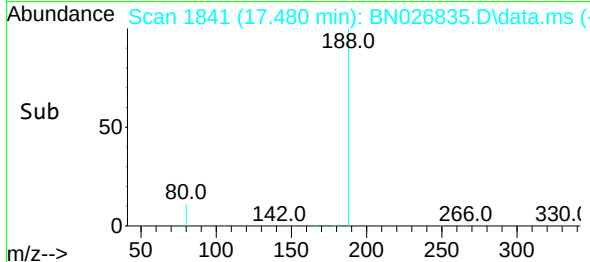
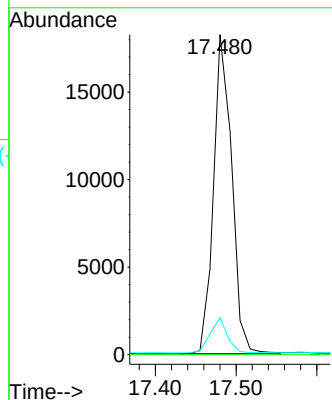
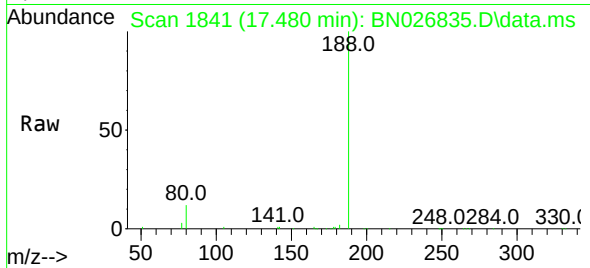




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.480 min Scan# 1841
Delta R.T. -0.012 min
Lab File: BN026835.D
Acq: 07 Aug 2023 17:44

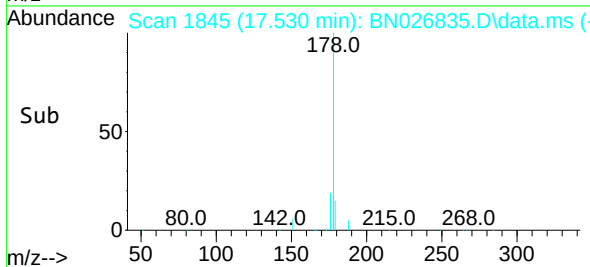
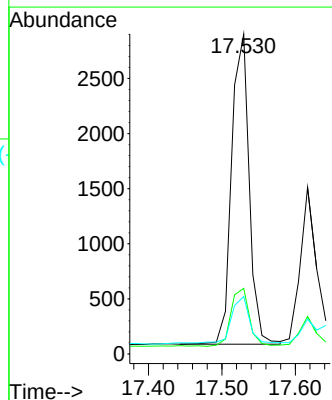
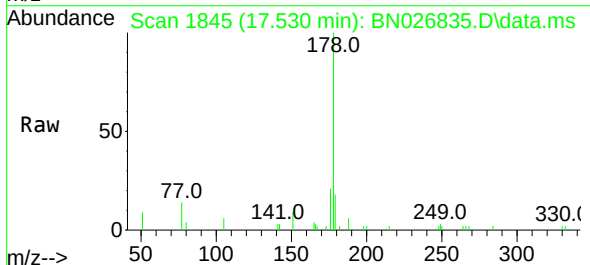
Instrument :
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ClientSampleId :
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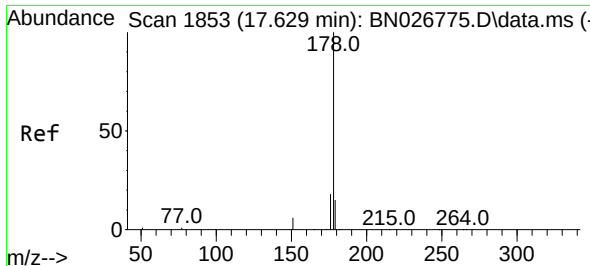
Tgt Ion:188 Resp: 28586
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.6 8.0 12.0



#25
Phenanthrene
Concen: 0.054 ng
RT: 17.530 min Scan# 1845
Delta R.T. 0.000 min
Lab File: BN026835.D
Acq: 07 Aug 2023 17:44

Tgt Ion:178 Resp: 4669
Ion Ratio Lower Upper
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176 19.4 15.4 23.0
179 16.8 12.2 18.2

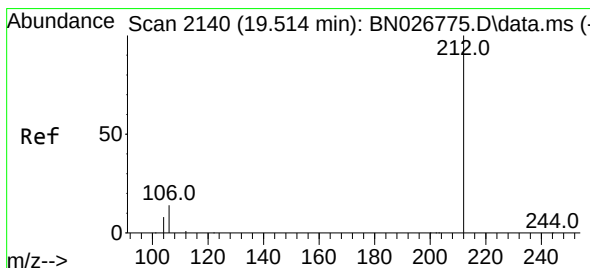
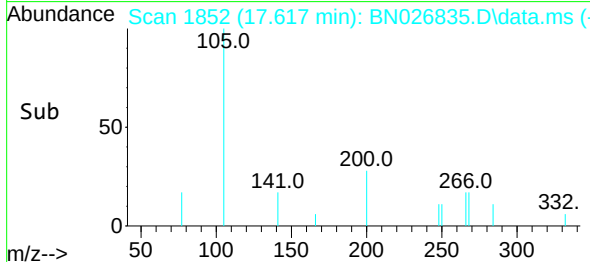
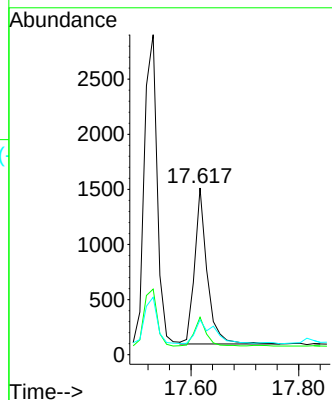
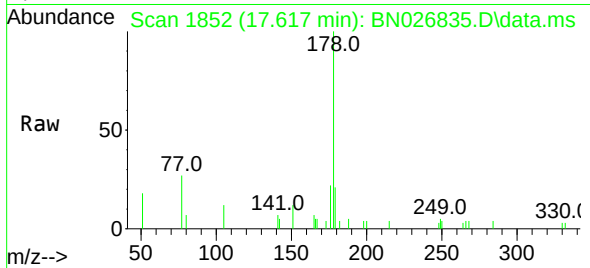




#26
 Anthracene
 Concen: 0.030 ng
 RT: 17.617 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BN026835.D
 Acq: 07 Aug 2023 17:44

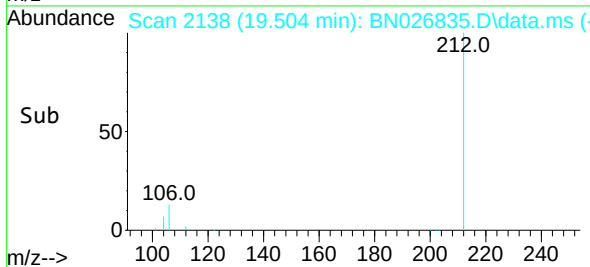
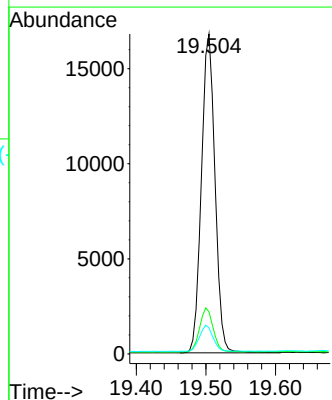
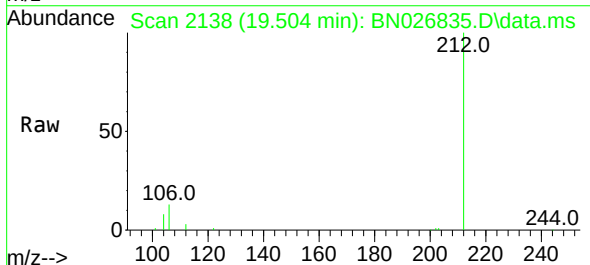
Instrument :
 BNA_N
 ClientSampleId :
 SP-201-20230803

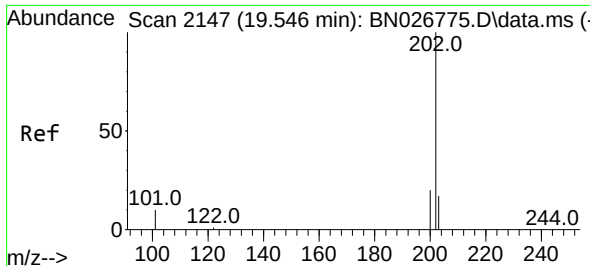
Tgt Ion:178 Resp: 2308
 Ion Ratio Lower Upper
 178 100
 176 17.3 14.9 22.3
 179 22.7 12.2 18.2#



#27
 Fluoranthene-d10
 Concen: 0.331 ng
 RT: 19.504 min Scan# 2138
 Delta R.T. -0.009 min
 Lab File: BN026835.D
 Acq: 07 Aug 2023 17:44

Tgt Ion:212 Resp: 22744
 Ion Ratio Lower Upper
 212 100
 106 13.9 11.7 17.5
 104 8.2 6.4 9.6

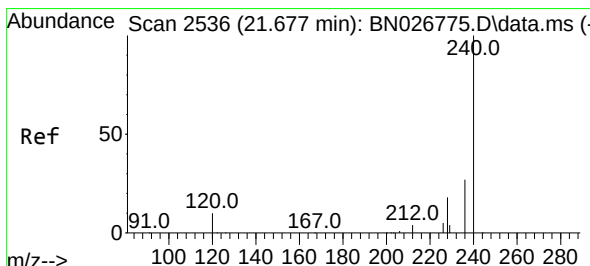
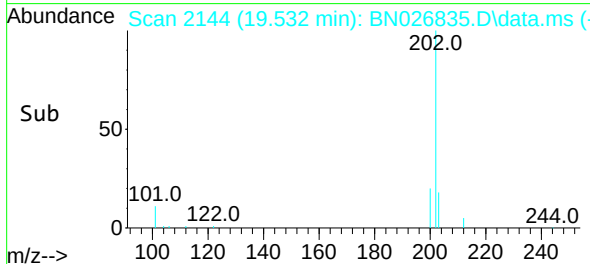
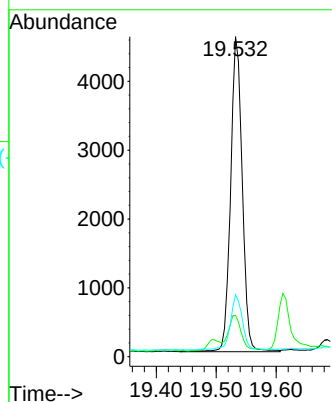
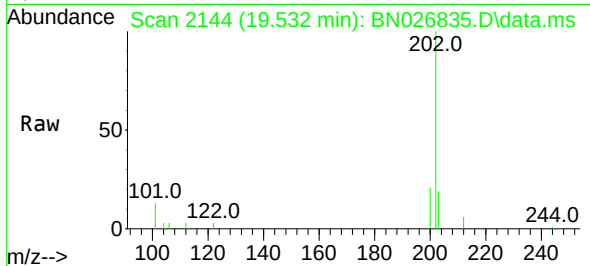




#28
Fluoranthene
Concen: 0.064 ng
RT: 19.532 min Scan# 2144
Delta R.T. -0.014 min
Lab File: BN026835.D
Acq: 07 Aug 2023 17:44

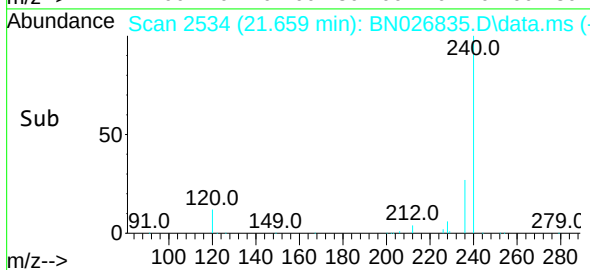
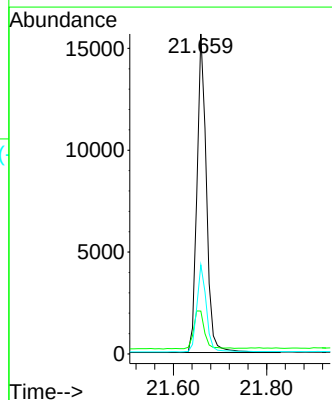
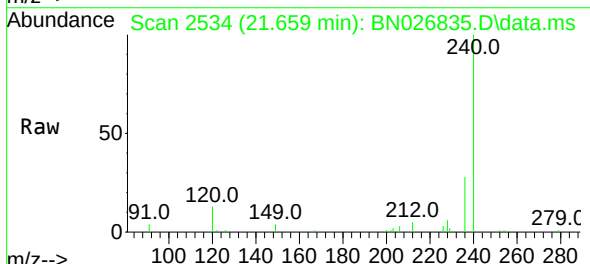
Instrument :
BNA_N
ClientSampleId :
SP-201-20230803

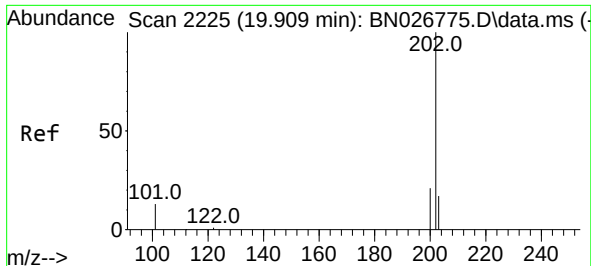
Tgt Ion:202 Resp: 6168
Ion Ratio Lower Upper
202 100
101 11.5 9.2 13.8
203 17.9 13.7 20.5



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.659 min Scan# 2534
Delta R.T. -0.018 min
Lab File: BN026835.D
Acq: 07 Aug 2023 17:44

Tgt Ion:240 Resp: 22079
Ion Ratio Lower Upper
240 100
120 13.4 9.2 13.8
236 27.9 21.9 32.9

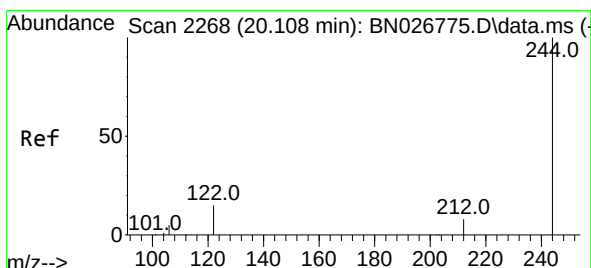
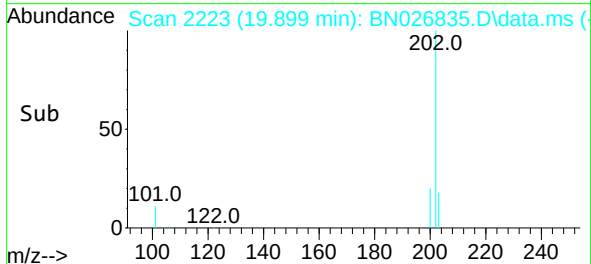
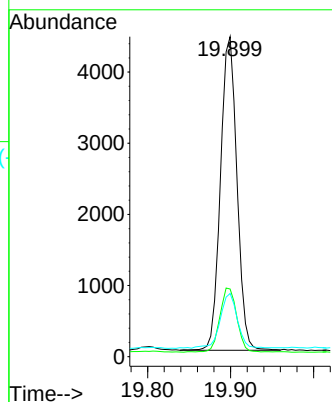
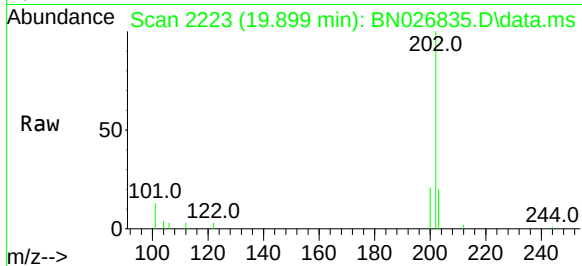




#30
Pyrene
Concen: 0.063 ng
RT: 19.899 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN026835.D
Acq: 07 Aug 2023 17:44

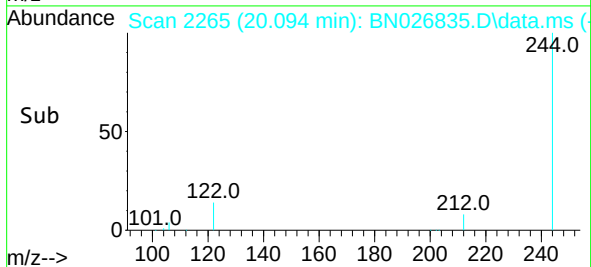
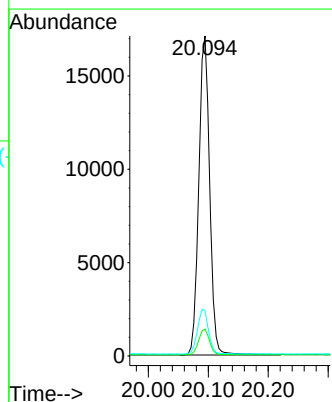
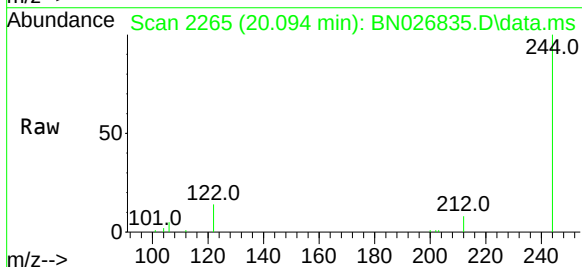
Instrument :
BNA_N
ClientSampleId :
SP-201-20230803

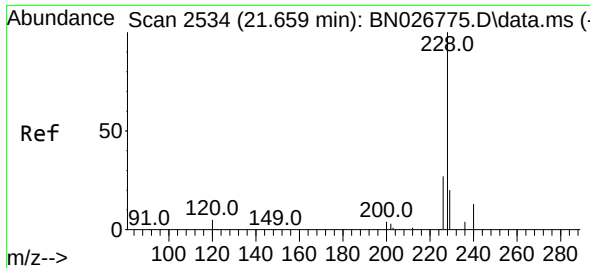
Tgt Ion:202 Resp: 6046
Ion Ratio Lower Upper
202 100
200 21.1 16.8 25.2
203 18.5 14.2 21.2



#31
Terphenyl-d14
Concen: 0.466 ng
RT: 20.094 min Scan# 2265
Delta R.T. -0.014 min
Lab File: BN026835.D
Acq: 07 Aug 2023 17:44

Tgt Ion:244 Resp: 21467
Ion Ratio Lower Upper
244 100
212 8.4 7.0 10.4
122 14.2 12.3 18.5

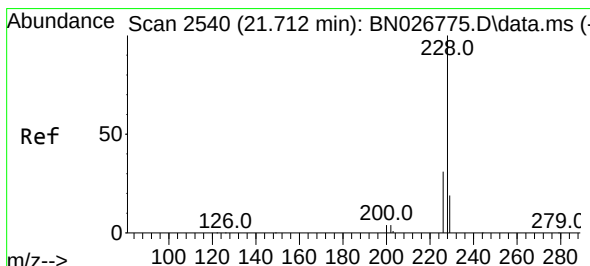
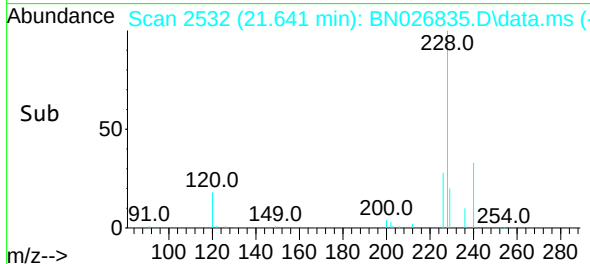
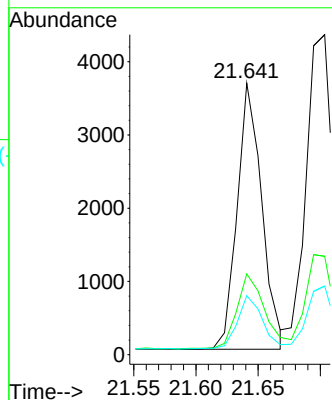
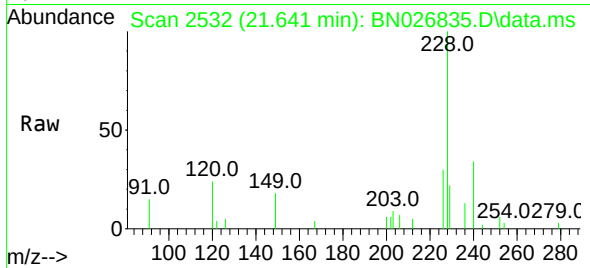




#32
Benzo(a)anthracene
Concen: 0.066 ng
RT: 21.641 min Scan# 21
Delta R.T. -0.018 min
Lab File: BN026835.D
Acq: 07 Aug 2023 17:44

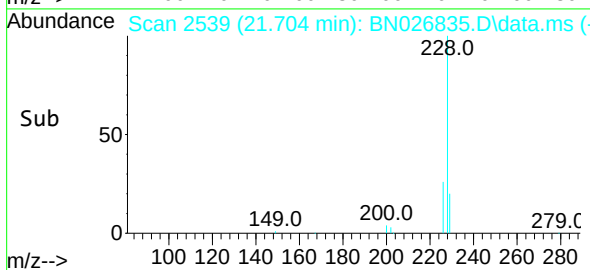
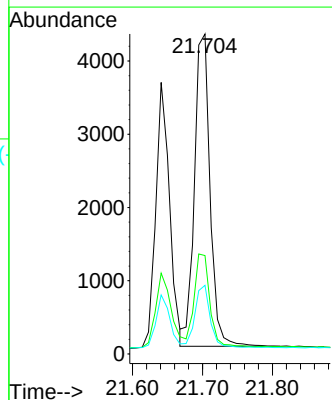
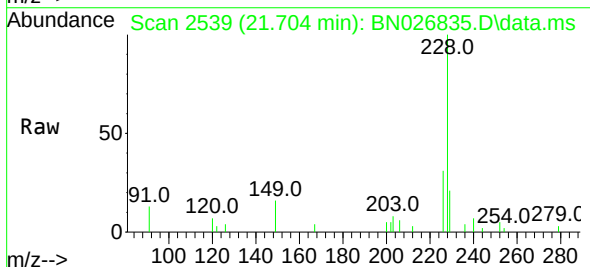
Instrument :
BNA_N
ClientSampleId :
SP-201-20230803

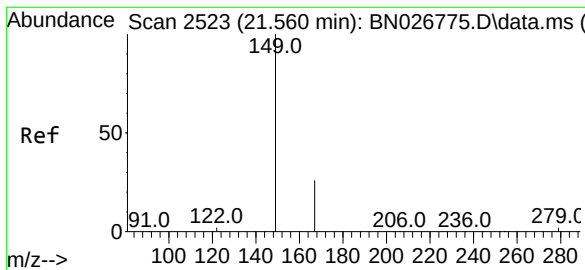
Tgt Ion:228 Resp: 5010
Ion Ratio Lower Upper
228 100
226 29.8 21.9 32.9
229 21.7 15.8 23.8



#33
Chrysene
Concen: 0.079 ng
RT: 21.704 min Scan# 2539
Delta R.T. -0.009 min
Lab File: BN026835.D
Acq: 07 Aug 2023 17:44

Tgt Ion:228 Resp: 6620
Ion Ratio Lower Upper
228 100
226 30.7 24.6 36.8
229 21.5 15.4 23.2

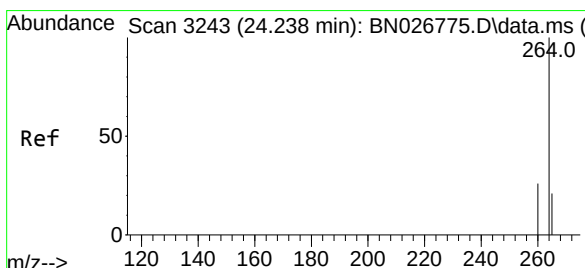
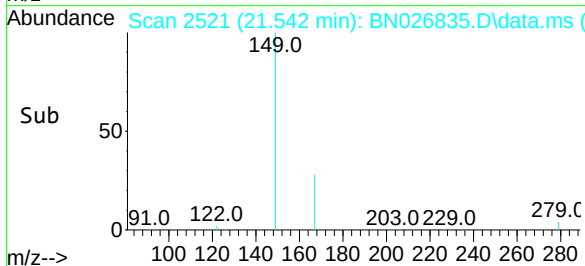
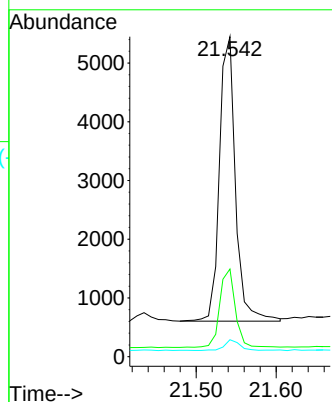
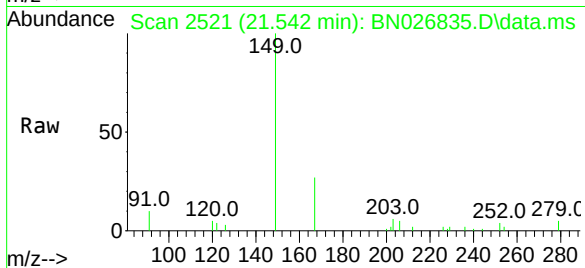




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.270 ng
 RT: 21.542 min Scan# 21542
 Delta R.T. -0.018 min
 Lab File: BN026835.D
 Acq: 07 Aug 2023 17:44

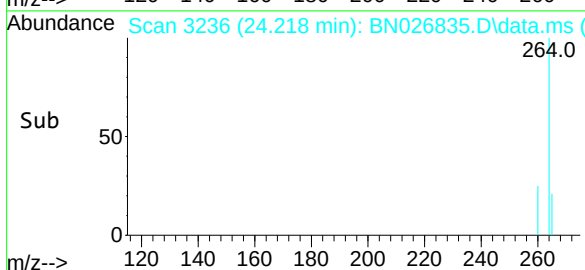
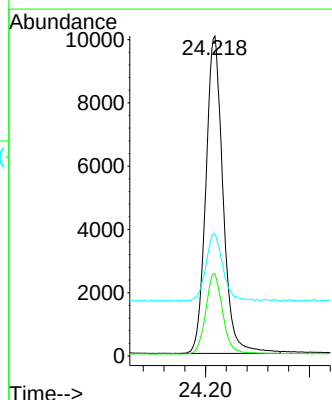
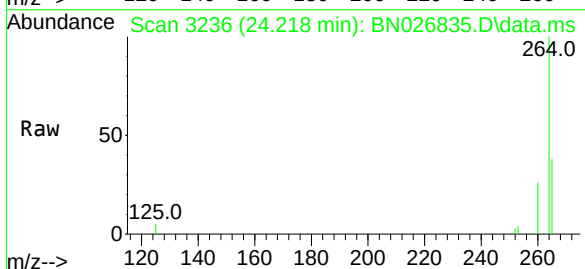
Instrument :
 BNA_N
 ClientSampleId :
 SP-201-20230803

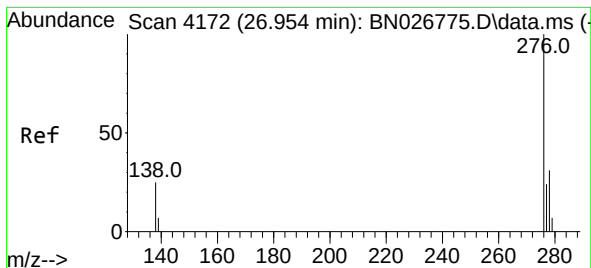
Tgt Ion:149 Resp: 6772
 Ion Ratio Lower Upper
 149 100
 167 26.7 20.8 31.2
 279 3.7 2.4 3.6#



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.218 min Scan# 3236
 Delta R.T. -0.020 min
 Lab File: BN026835.D
 Acq: 07 Aug 2023 17:44

Tgt Ion:264 Resp: 22995
 Ion Ratio Lower Upper
 264 100
 260 25.8 21.0 31.6
 265 38.0 22.6 33.8#

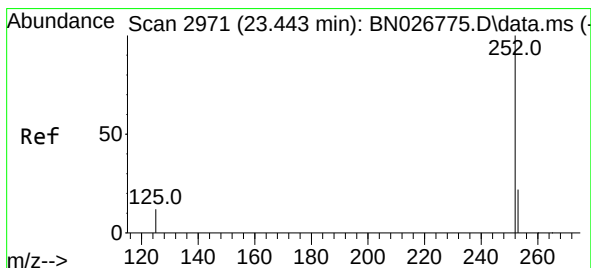
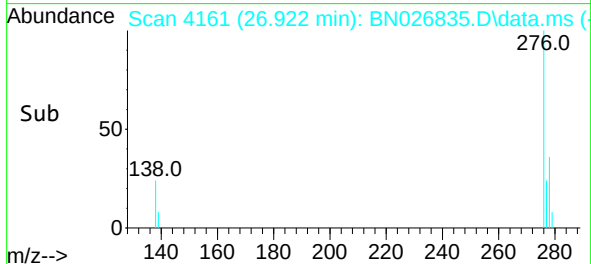
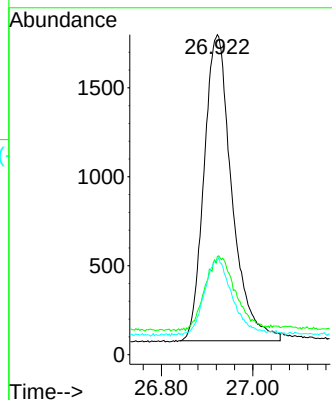
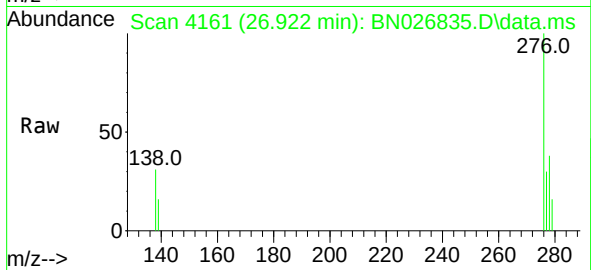




#36
Indeno(1,2,3-cd)pyrene
Concen: 0.077 ng
RT: 26.922 min Scan# 41
Delta R.T. -0.032 min
Lab File: BN026835.D
Acq: 07 Aug 2023 17:44

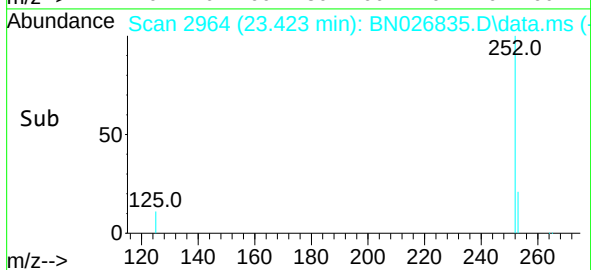
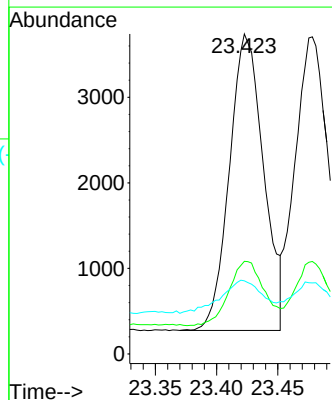
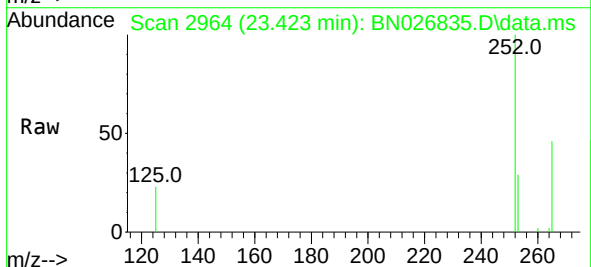
Instrument :
BNA_N
ClientSampleId :
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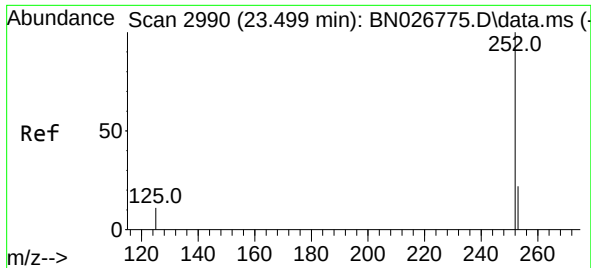
Tgt Ion:276 Resp: 7269
Ion Ratio Lower Upper
276 100
138 26.6 22.8 34.2
277 24.8 19.9 29.9



#37
Benzo(b)fluoranthene
Concen: 0.074 ng
RT: 23.423 min Scan# 2964
Delta R.T. -0.020 min
Lab File: BN026835.D
Acq: 07 Aug 2023 17:44

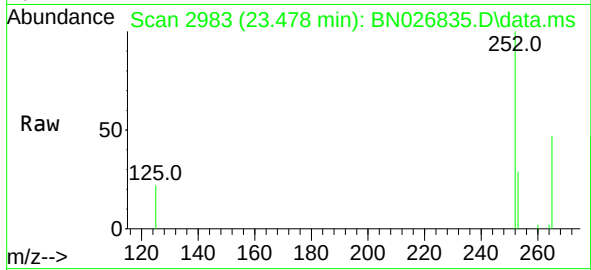
Tgt Ion:252 Resp: 6729
Ion Ratio Lower Upper
252 100
253 29.0 17.8 26.8#
125 22.8 10.8 16.2#



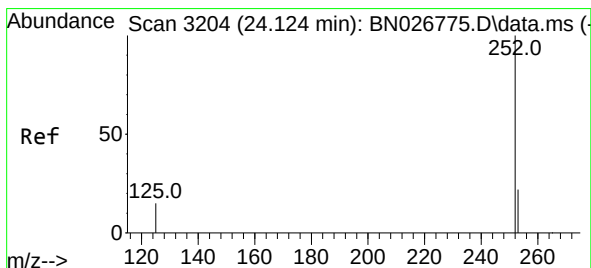
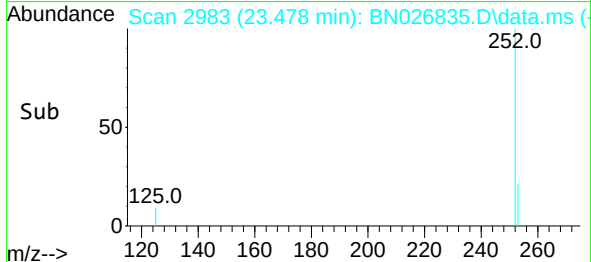
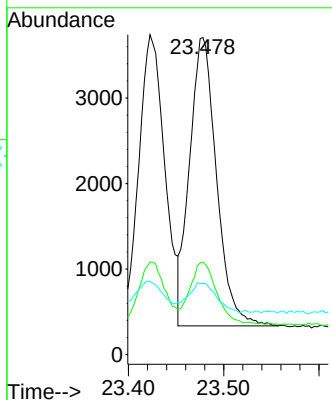


#38
Benzo(k)fluoranthene
Concen: 0.071 ng
RT: 23.478 min Scan# 2990
Delta R.T. -0.020 min
Lab File: BN026835.D
Acq: 07 Aug 2023 17:44

Instrument :
BNA_N
ClientSampleId :
SP-201-20230803

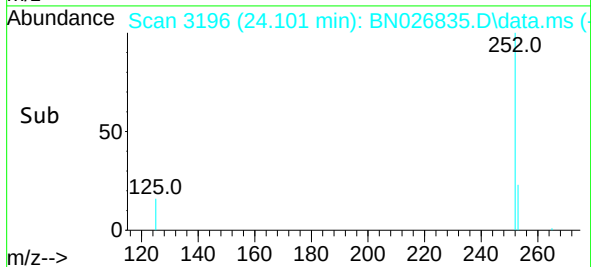
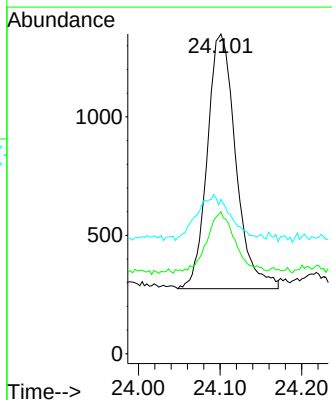
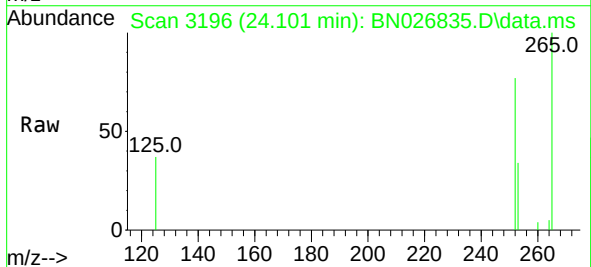


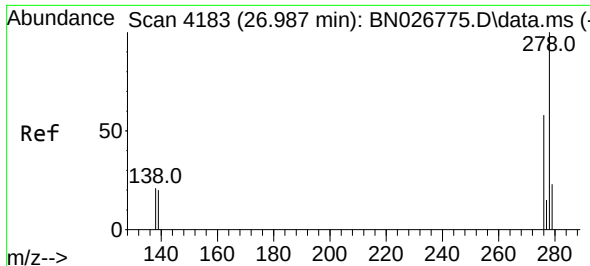
Tgt Ion:252 Resp: 6639
Ion Ratio Lower Upper
252 100
253 29.2 18.0 27.0#
125 22.4 9.4 14.2#



#39
Benzo(a)pyrene
Concen: 0.032 ng
RT: 24.101 min Scan# 3196
Delta R.T. -0.023 min
Lab File: BN026835.D
Acq: 07 Aug 2023 17:44

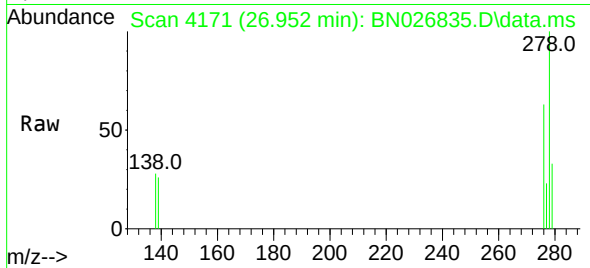
Tgt Ion:252 Resp: 2614
Ion Ratio Lower Upper
252 100
253 44.4 18.5 27.7#
125 48.3 12.7 19.1#



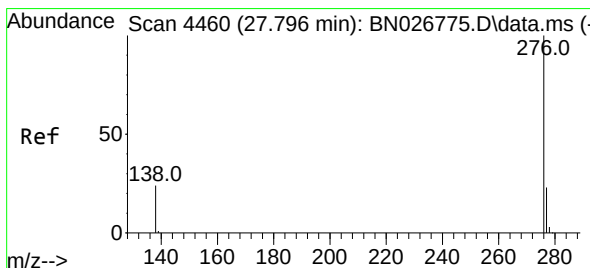
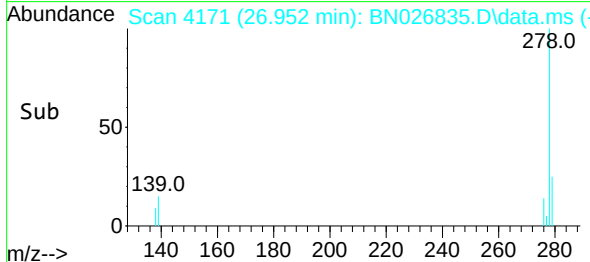
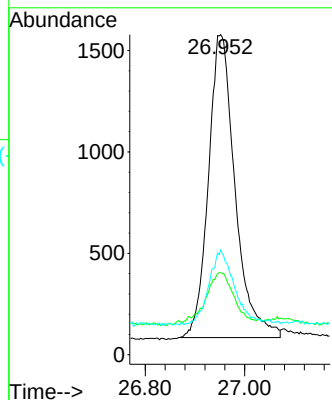


#40
Dibenzo(a,h)anthracene
Concen: 0.076 ng
RT: 26.952 min Scan# 41
Delta R.T. -0.035 min
Lab File: BN026835.D
Acq: 07 Aug 2023 17:44

Instrument :
BNA_N
ClientSampleId :
SP-201-20230803



Tgt Ion:278 Resp: 5575
Ion Ratio Lower Upper
278 100
139 25.6 16.8 25.2#
279 32.8 19.5 29.3#



#41
Benzo(g,h,i)perylene
Concen: 0.066 ng
RT: 27.756 min Scan# 4446
Delta R.T. -0.041 min
Lab File: BN026835.D
Acq: 07 Aug 2023 17:44

Tgt Ion:276 Resp: 5711
Ion Ratio Lower Upper
276 100
277 29.0 19.1 28.7#
138 29.9 19.8 29.6#

