

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN080123\
 Data File : BN026785.D
 Acq On : 01 Aug 2023 15:42
 Operator : MA/JU
 Sample : 03850-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EB-01-073123

Quant Time: Aug 02 01:00:52 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)

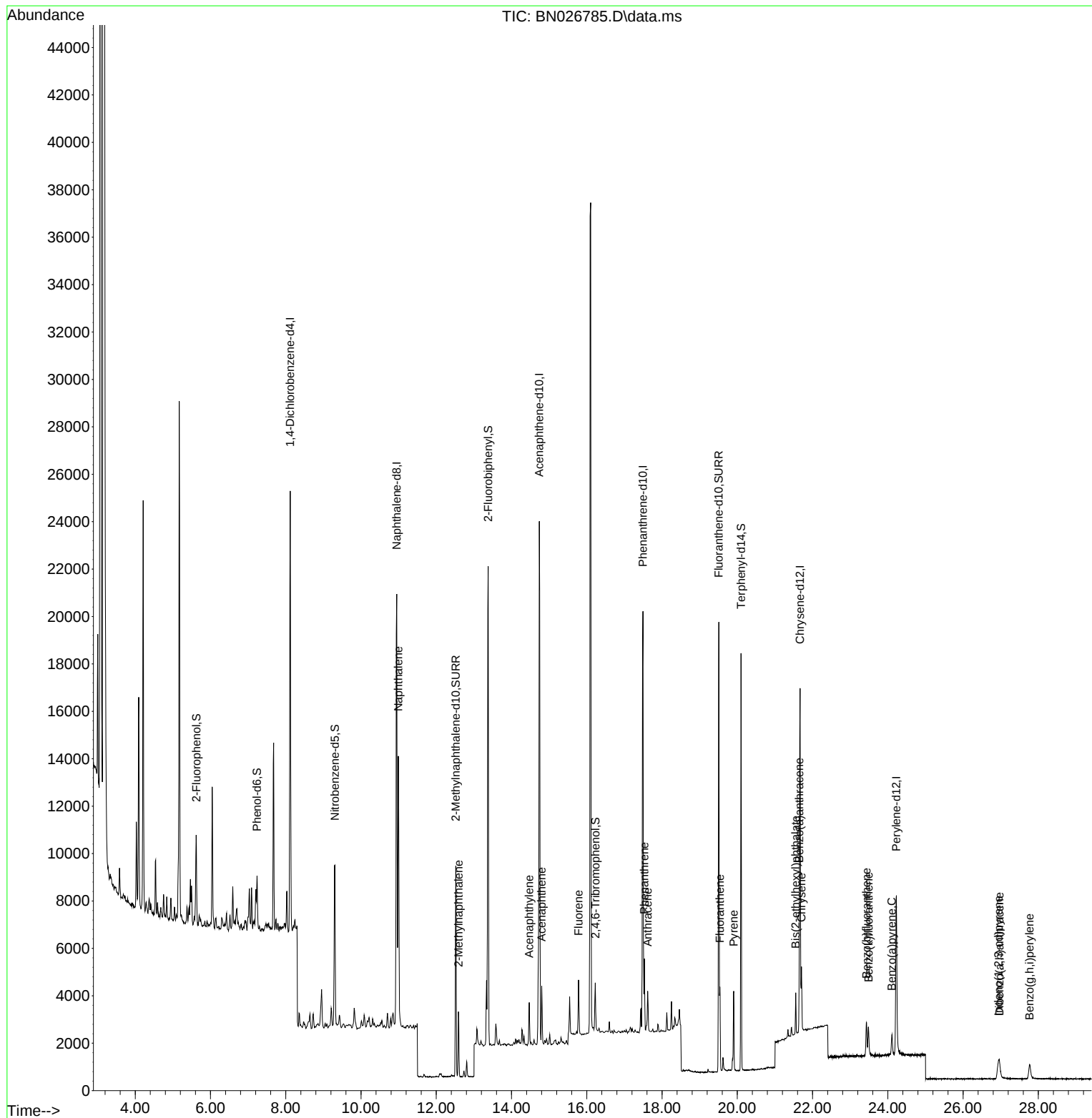
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.117	152	8697	0.400	ng	0.00
7) Naphthalene-d8	10.949	136	26072	0.400	ng	# 0.00
13) Acenaphthene-d10	14.737	164	12933	0.400	ng	-0.01
19) Phenanthrene-d10	17.492	188	26111	0.400	ng	# 0.00
29) Chrysene-d12	21.668	240	13901	0.400	ng	0.00
35) Perylene-d12	24.227	264	10843	0.400	ng	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.625	112	2748	0.125	ng	0.00
5) Phenol-d6	7.236	99	2003	0.070	ng	0.00
8) Nitrobenzene-d5	9.305	82	5579	0.361	ng	0.00
11) 2-Methylnaphthalene-d10	12.517	152	11216	0.300	ng	0.00
14) 2,4,6-Tribromophenol	16.226	330	1200	0.273	ng	0.00
15) 2-Fluorobiphenyl	13.379	172	18408	0.349	ng	0.00
27) Fluoranthene-d10	19.509	212	20103	0.321	ng	0.00
31) Terphenyl-d14	20.099	244	16026	0.553	ng	0.00
Target Compounds						
						Qvalue
9) Naphthalene	10.992	128	12978	0.181	ng	98
12) 2-Methylnaphthalene	12.593	142	1921	0.039	ng	97
16) Acenaphthylene	14.469	152	1772	0.028	ng	95
17) Acenaphthene	14.801	154	1160	0.029	ng	96
18) Fluorene	15.780	166	1588	0.030	ng	98
25) Phenanthrene	17.530	178	3000	0.038	ng	98
26) Anthracene	17.617	178	1782	0.025	ng	# 95
28) Fluoranthene	19.537	202	3047	0.035	ng	# 94
30) Pyrene	19.904	202	2962	0.049	ng	99
32) Benzo(a)anthracene	21.650	228	2093	0.044	ng	93
33) Chrysene	21.703	228	2314	0.044	ng	93
34) Bis(2-ethylhexyl)phtha...	21.551	149	1694	0.107	ng	98
36) Indeno(1,2,3-cd)pyrene	26.940	276	1574	0.036	ng	# 77
37) Benzo(b)fluoranthene	23.434	252	2068	0.048	ng	# 70
38) Benzo(k)fluoranthene	23.487	252	1789	0.041	ng	# 66
39) Benzo(a)pyrene	24.107	252	1446	0.037	ng	# 52
40) Dibenzo(a,h)anthracene	26.966	278	1235	0.036	ng	# 53
41) Benzo(g,h,i)perylene	27.767	276	1563	0.038	ng	# 67

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

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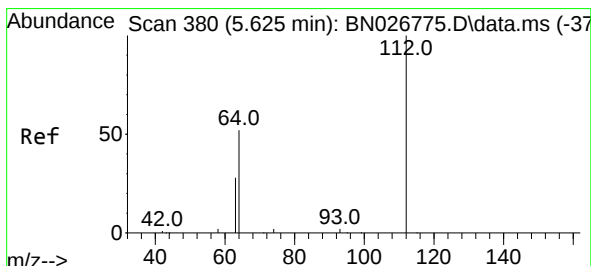
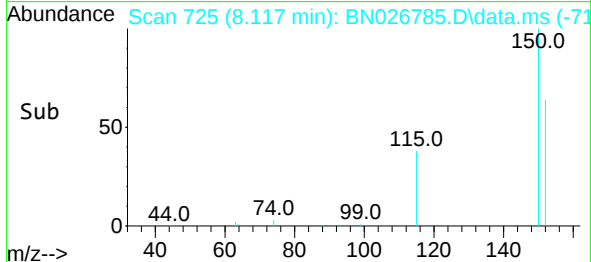
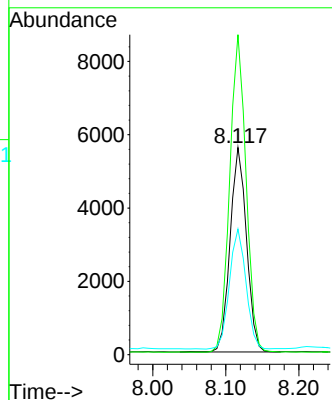
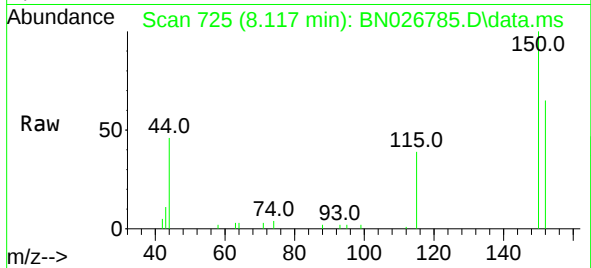




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.117 min Scan# 71
Delta R.T. -0.007 min
Lab File: BN026785.D
Acq: 01 Aug 2023 15:42

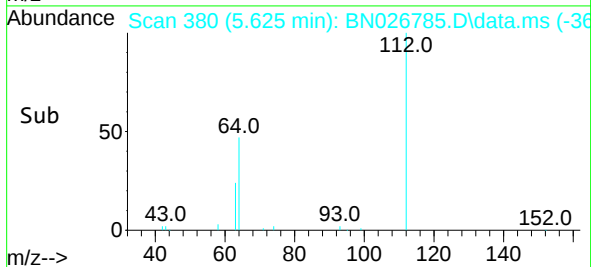
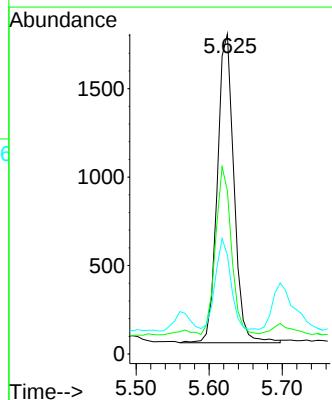
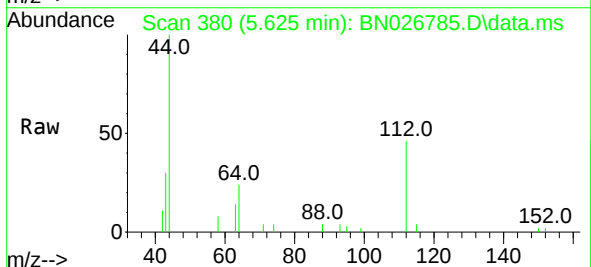
Instrument :
BNA_N
ClientSampleId :
EB-01-073123

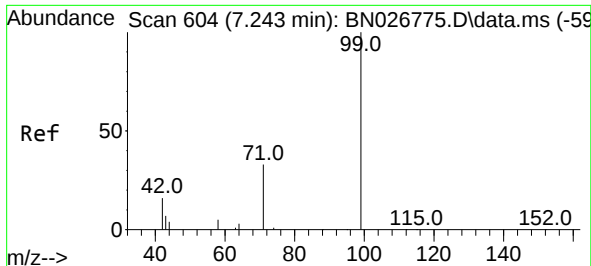
Tgt Ion:152 Resp: 8697
Ion Ratio Lower Upper
152 100
150 154.4 123.8 185.8
115 60.6 48.0 72.0



#4
2-Fluorophenol
Concen: 0.125 ng
RT: 5.625 min Scan# 380
Delta R.T. -0.000 min
Lab File: BN026785.D
Acq: 01 Aug 2023 15:42

Tgt Ion:112 Resp: 2748
Ion Ratio Lower Upper
112 100
64 51.7 42.2 63.2
63 27.0 22.7 34.1

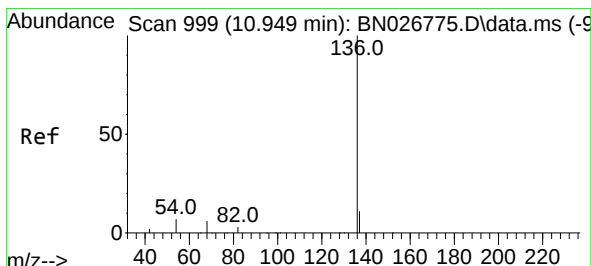
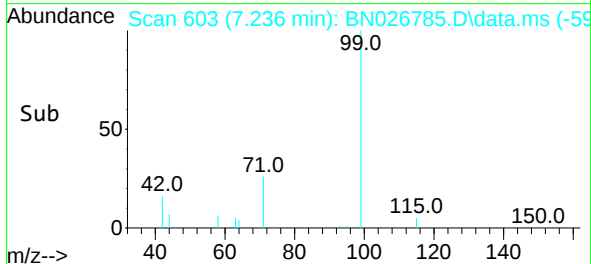
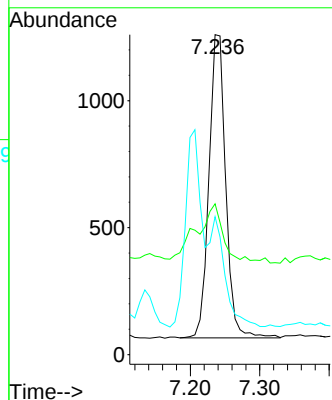
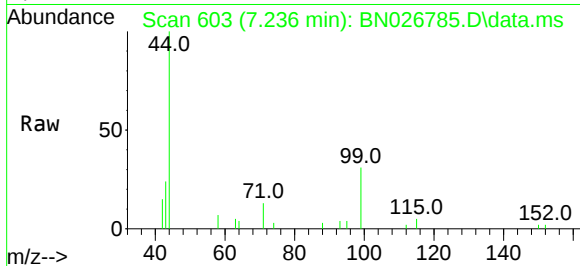




#5
Phenol-d6
Concen: 0.070 ng
RT: 7.236 min Scan# 604
Delta R.T. -0.007 min
Lab File: BN026785.D
Acq: 01 Aug 2023 15:42

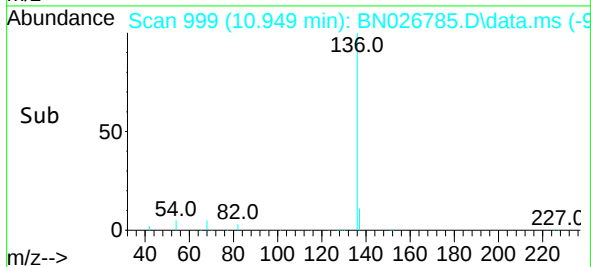
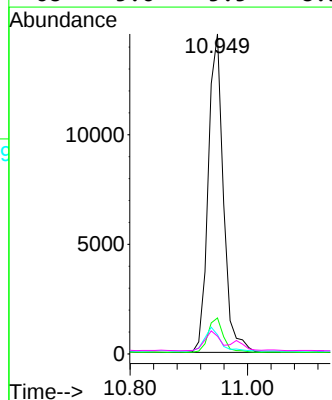
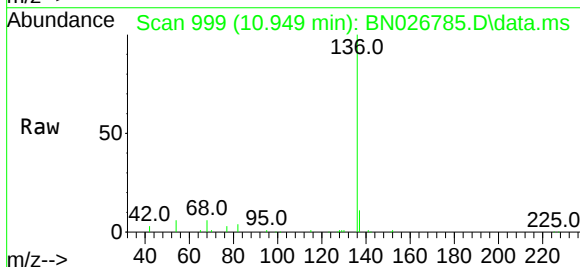
Instrument :
BNA_N
ClientSampleId :
EB-01-073123

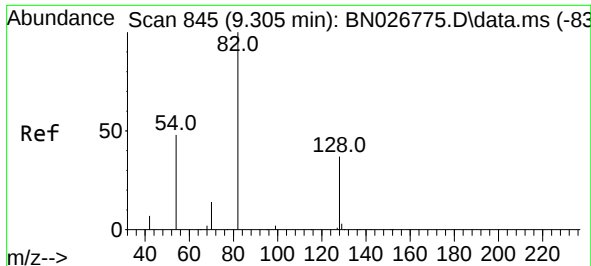
Tgt Ion: 99 Resp: 2003
Ion Ratio Lower Upper
99 100
42 28.1 14.6 22.0#
71 0.0 26.6 40.0#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.949 min Scan# 999
Delta R.T. 0.000 min
Lab File: BN026785.D
Acq: 01 Aug 2023 15:42

Tgt Ion: 136 Resp: 26072
Ion Ratio Lower Upper
136 100
137 11.3 9.0 13.4
54 6.0 6.2 9.2#
68 5.6 5.5 8.3

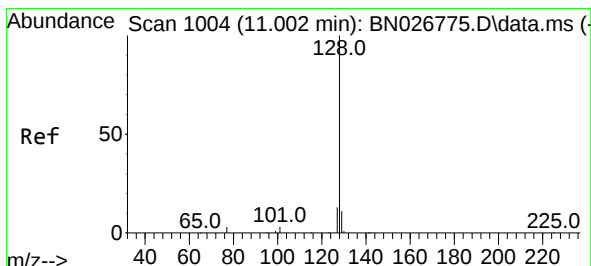
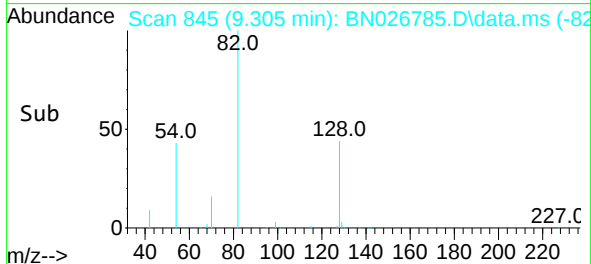
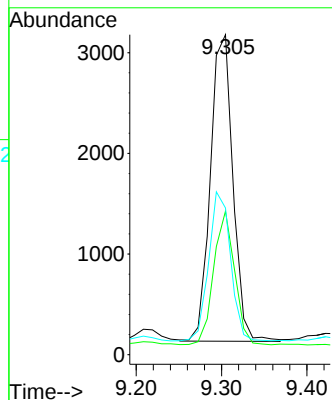
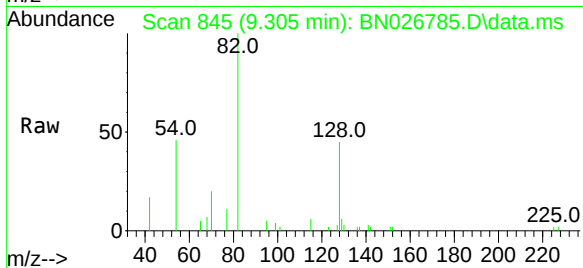




#8
Nitrobenzene-d5
Concen: 0.361 ng
RT: 9.305 min Scan# 845
Delta R.T. -0.000 min
Lab File: BN026785.D
Acq: 01 Aug 2023 15:42

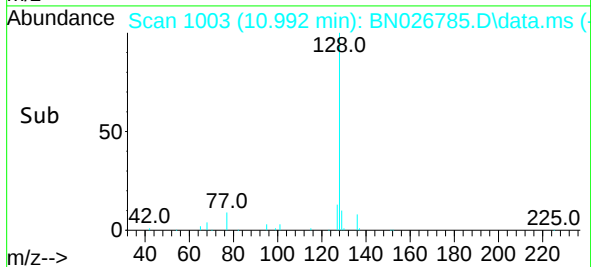
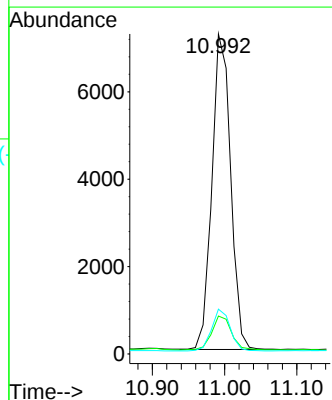
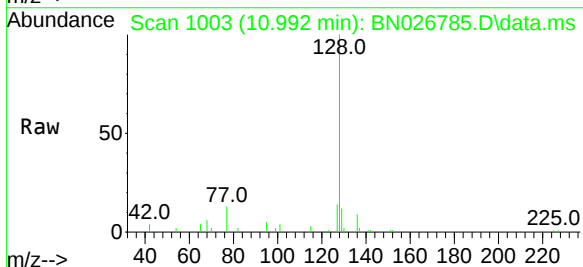
Instrument :
BNA_N
ClientSampleId :
EB-01-073123

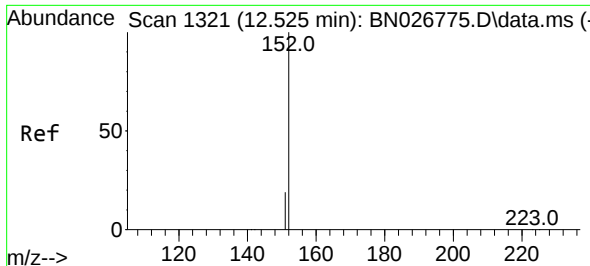
Tgt Ion: 82 Resp: 5579
Ion Ratio Lower Upper
82 100
128 44.9 30.5 45.7
54 45.9 39.4 59.2



#9
Naphthalene
Concen: 0.181 ng
RT: 10.992 min Scan# 1003
Delta R.T. -0.011 min
Lab File: BN026785.D
Acq: 01 Aug 2023 15:42

Tgt Ion: 128 Resp: 12978
Ion Ratio Lower Upper
128 100
129 11.8 9.0 13.4
127 14.0 10.6 16.0

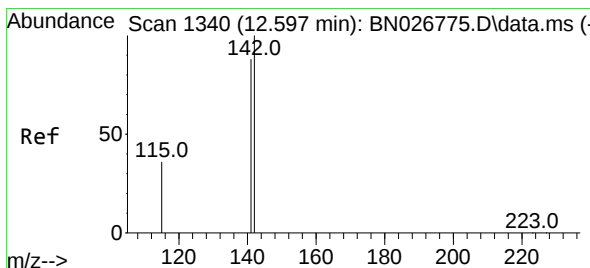
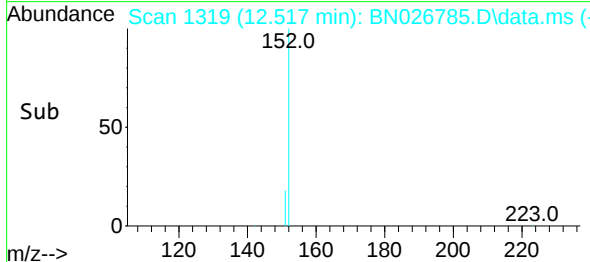
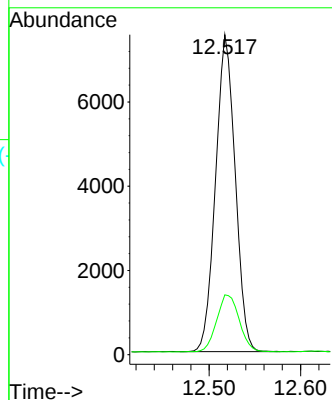
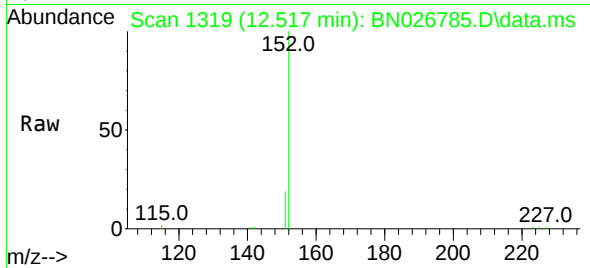




#11
2-Methylnaphthalene-d10
Concen: 0.300 ng
RT: 12.517 min Scan# 1319
Delta R.T. -0.008 min
Lab File: BN026785.D
Acq: 01 Aug 2023 15:42

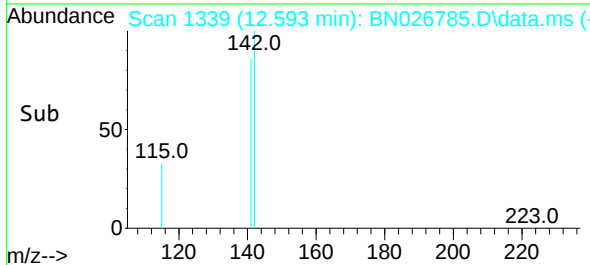
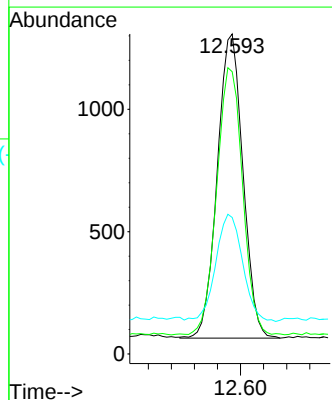
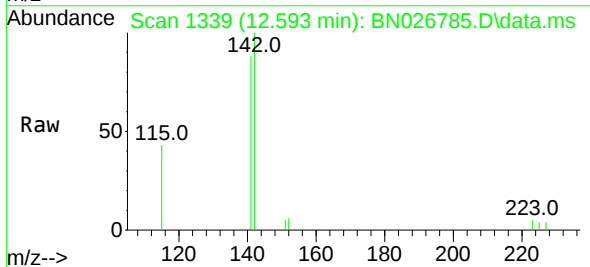
Instrument :
BNA_N
ClientSampleId :
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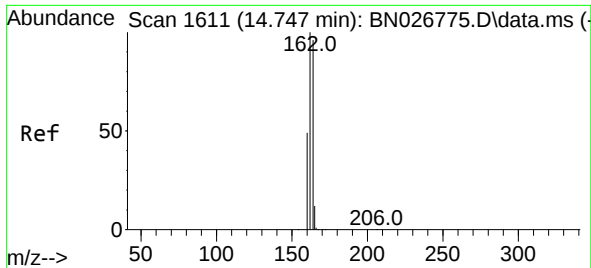
Tgt Ion:152 Resp: 11216
Ion Ratio Lower Upper
152 100
151 21.0 16.5 24.7



#12
2-Methylnaphthalene
Concen: 0.039 ng
RT: 12.593 min Scan# 1339
Delta R.T. -0.004 min
Lab File: BN026785.D
Acq: 01 Aug 2023 15:42

Tgt Ion:142 Resp: 1921
Ion Ratio Lower Upper
142 100
141 88.2 70.3 105.5
115 42.7 29.2 43.8

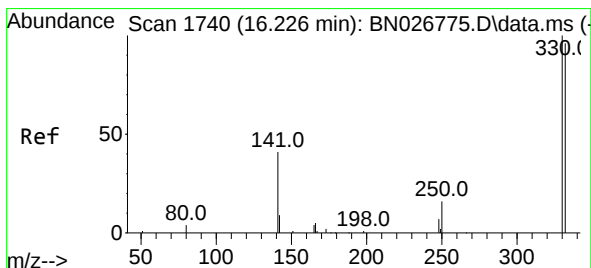
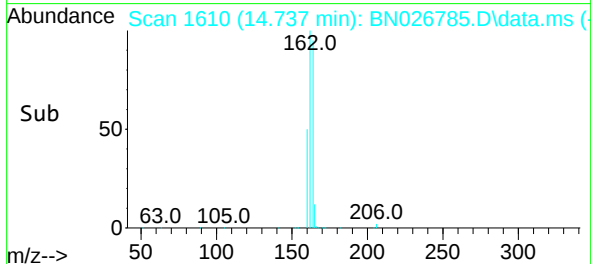
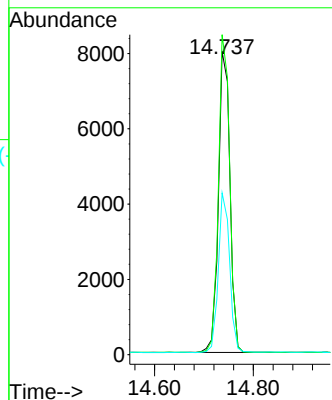
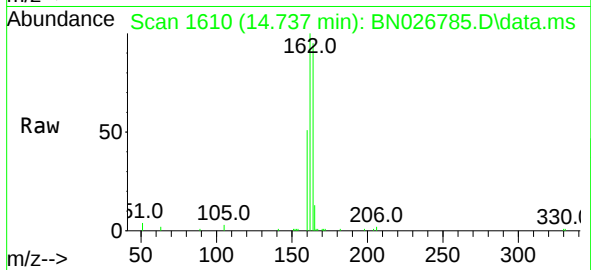




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.737 min Scan# 1611
Delta R.T. -0.011 min
Lab File: BN026785.D
Acq: 01 Aug 2023 15:42

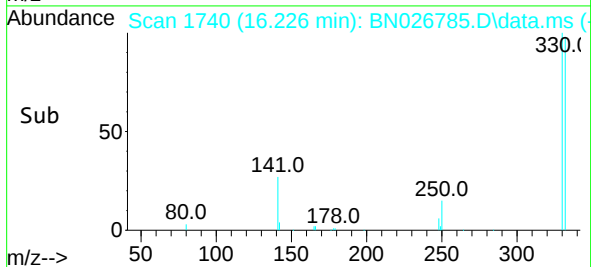
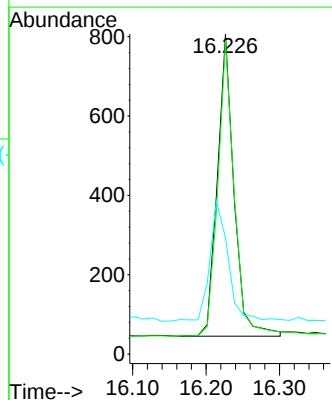
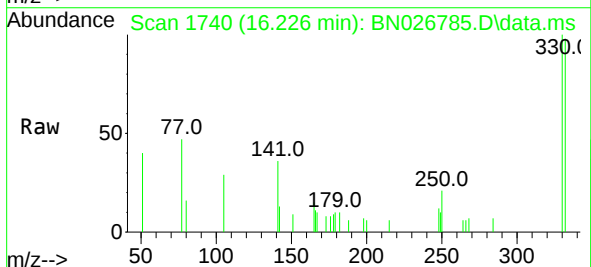
Instrument :
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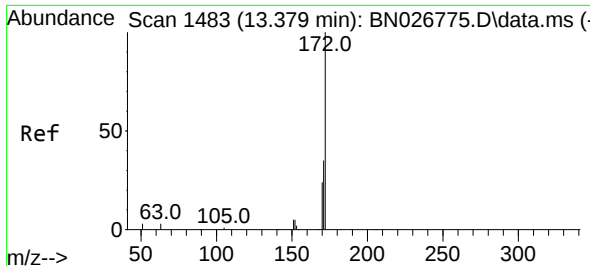
Tgt Ion:164 Resp: 12933
Ion Ratio Lower Upper
164 100
162 105.6 83.0 124.6
160 53.4 40.8 61.2



#14
2,4,6-Tribromophenol
Concen: 0.273 ng
RT: 16.226 min Scan# 1740
Delta R.T. 0.000 min
Lab File: BN026785.D
Acq: 01 Aug 2023 15:42

Tgt Ion:330 Resp: 1200
Ion Ratio Lower Upper
330 100
332 97.2 77.8 116.6
141 43.9 34.8 52.2

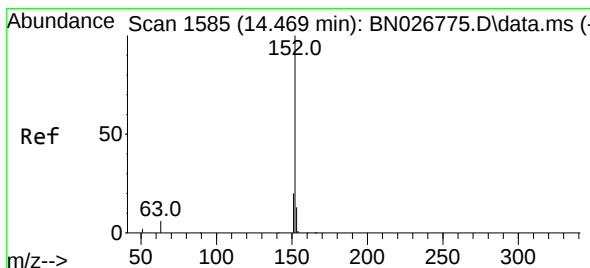
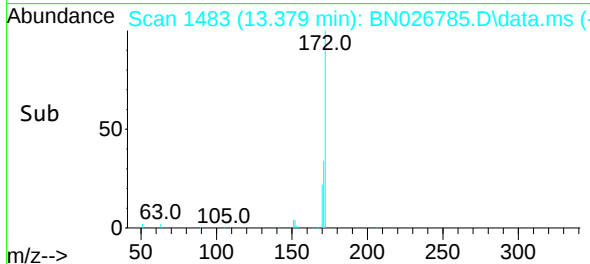
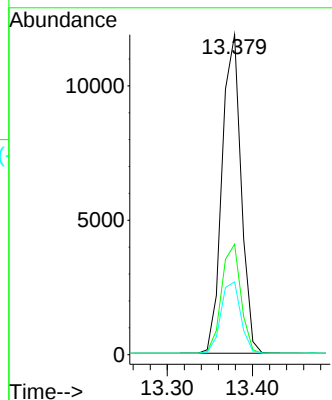
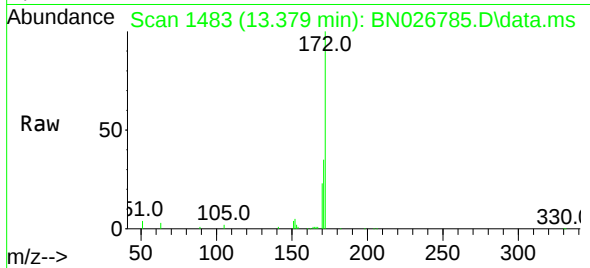




#15
2-Fluorobiphenyl
Concen: 0.349 ng
RT: 13.379 min Scan# 1483
Delta R.T. -0.000 min
Lab File: BN026785.D
Acq: 01 Aug 2023 15:42

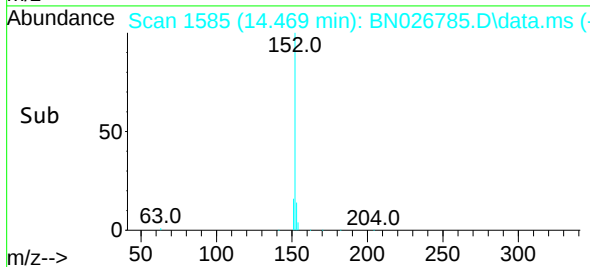
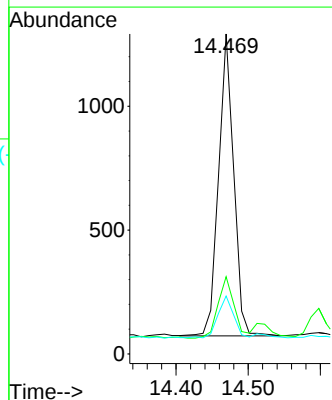
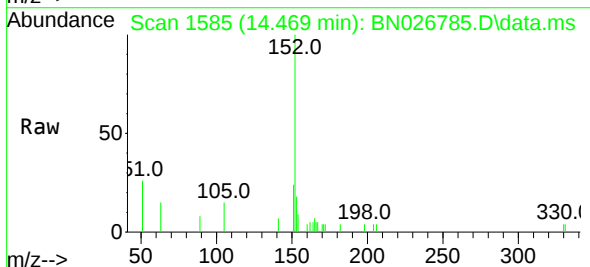
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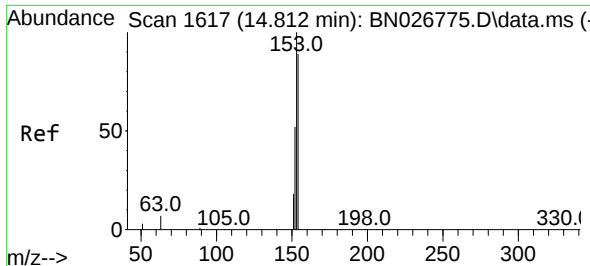
Tgt Ion:172 Resp: 18408
Ion Ratio Lower Upper
172 100
171 34.5 28.0 42.0
170 22.8 19.2 28.8



#16
Acenaphthylene
Concen: 0.028 ng
RT: 14.469 min Scan# 1585
Delta R.T. -0.000 min
Lab File: BN026785.D
Acq: 01 Aug 2023 15:42

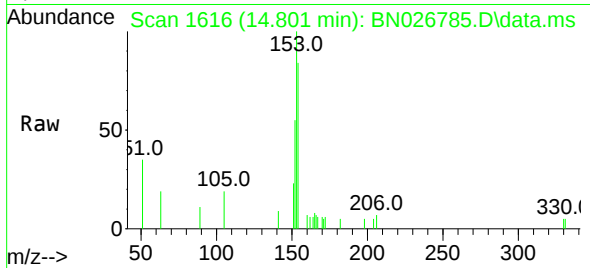
Tgt Ion:152 Resp: 1772
Ion Ratio Lower Upper
152 100
151 21.8 15.7 23.5
153 14.7 10.5 15.7



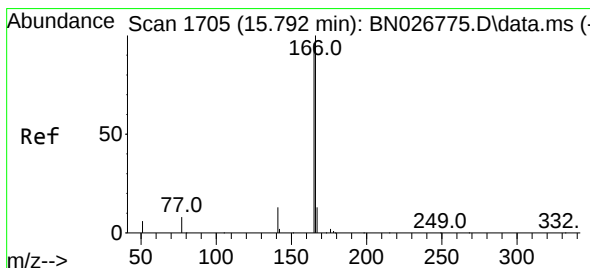
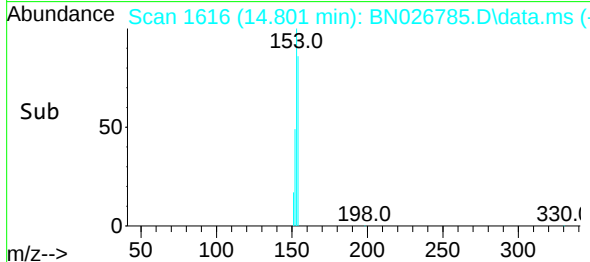
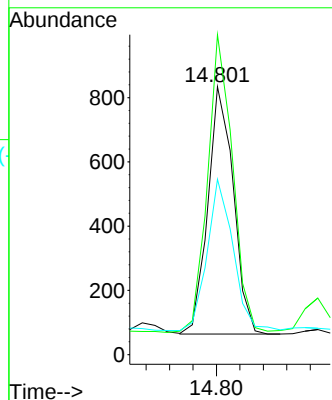


#17
Acenaphthene
Concen: 0.029 ng
RT: 14.801 min Scan# 1616
Delta R.T. -0.011 min
Lab File: BN026785.D
Acq: 01 Aug 2023 15:42

Instrument :
BNA_N
ClientSampleId :
EB-01-073123

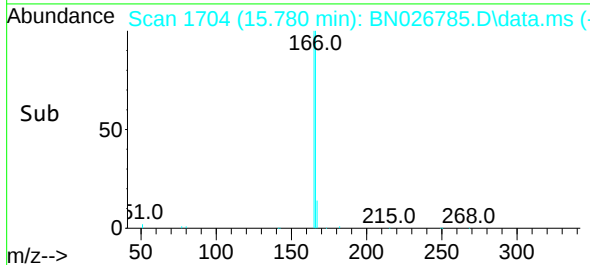
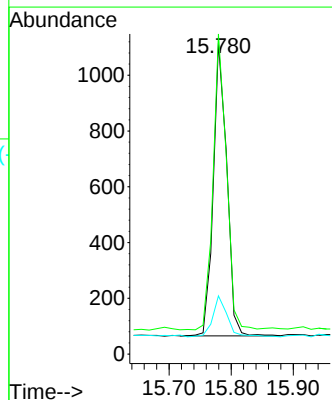
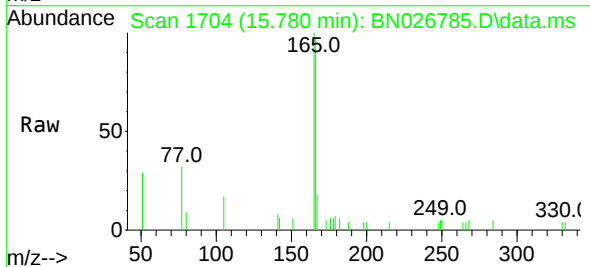


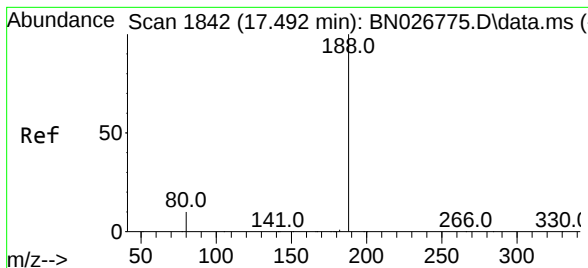
Tgt Ion:154 Resp: 1160
Ion Ratio Lower Upper
154 100
153 117.9 90.0 135.0
152 61.9 48.6 73.0



#18
Fluorene
Concen: 0.030 ng
RT: 15.780 min Scan# 1704
Delta R.T. -0.012 min
Lab File: BN026785.D
Acq: 01 Aug 2023 15:42

Tgt Ion:166 Resp: 1588
Ion Ratio Lower Upper
166 100
165 100.0 79.0 118.6
167 15.2 10.9 16.3





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.492 min Scan# 1842

Delta R.T. -0.000 min

Lab File: BN026785.D

Acq: 01 Aug 2023 15:42

Instrument :

BNA_N

ClientSampleId :

EB-01-073123

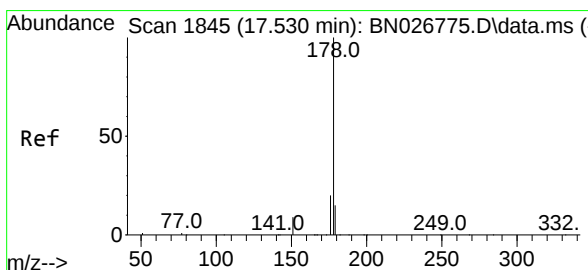
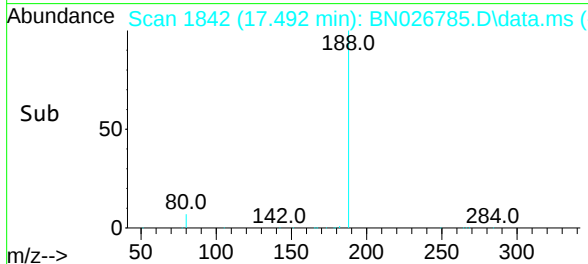
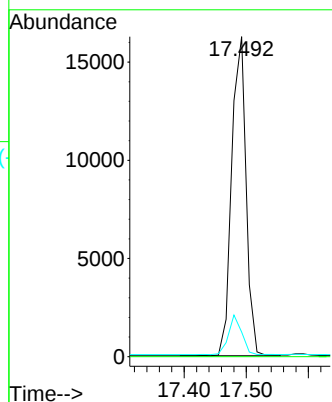
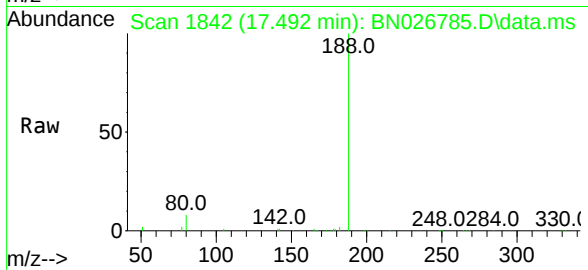
Tgt Ion:188 Resp: 26111

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 7.7 8.0 12.0#



#25

Phenanthrene

Concen: 0.038 ng

RT: 17.530 min Scan# 1845

Delta R.T. 0.000 min

Lab File: BN026785.D

Acq: 01 Aug 2023 15:42

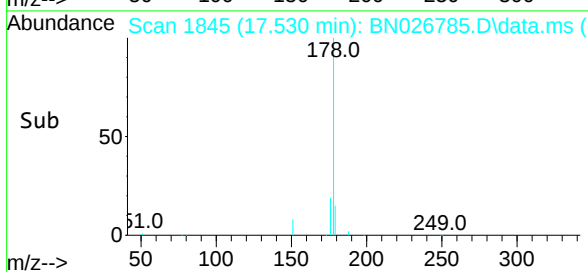
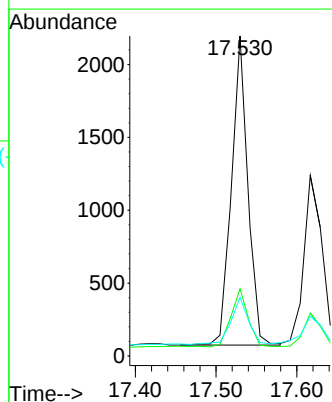
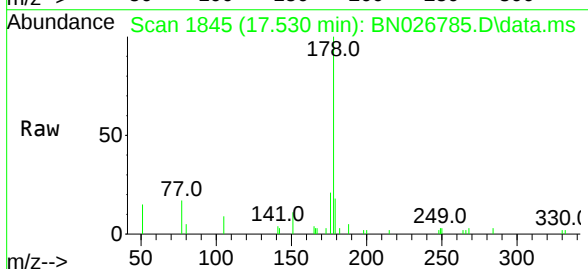
Tgt Ion:178 Resp: 3000

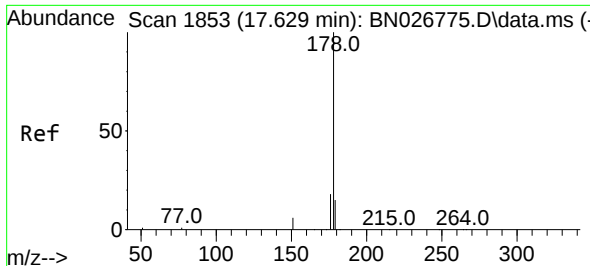
Ion Ratio Lower Upper

178 100

176 19.5 15.4 23.0

179 17.0 12.2 18.2

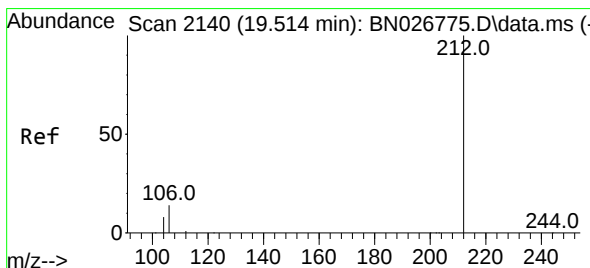
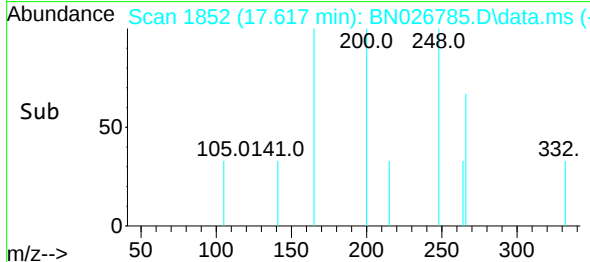
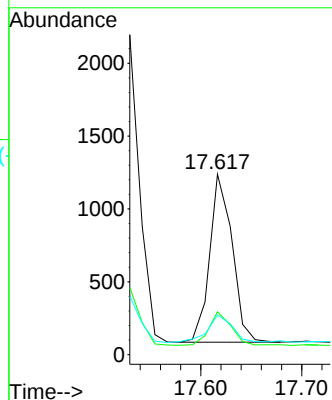
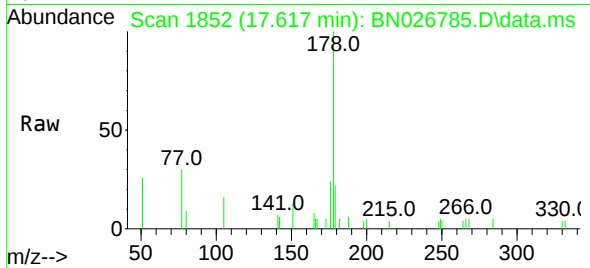




#26
 Anthracene
 Concen: 0.025 ng
 RT: 17.617 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BN026785.D
 Acq: 01 Aug 2023 15:42

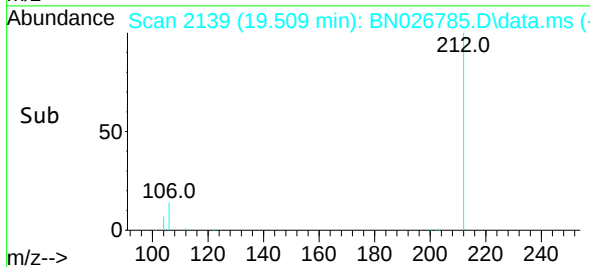
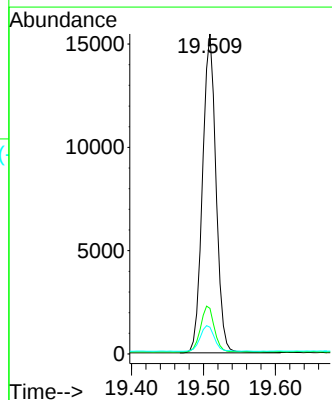
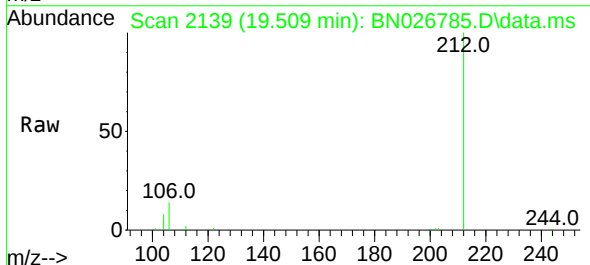
Instrument :
 BNA_N
 ClientSampleId :
 EB-01-073123

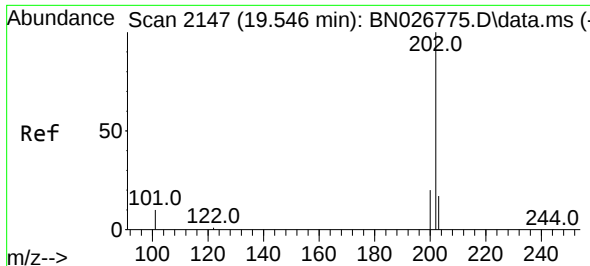
Tgt Ion:178 Resp: 1782
 Ion Ratio Lower Upper
 178 100
 176 19.9 14.9 22.3
 179 18.5 12.2 18.2#



#27
 Fluoranthene-d10
 Concen: 0.321 ng
 RT: 19.509 min Scan# 2139
 Delta R.T. -0.005 min
 Lab File: BN026785.D
 Acq: 01 Aug 2023 15:42

Tgt Ion:212 Resp: 20103
 Ion Ratio Lower Upper
 212 100
 106 14.6 11.7 17.5
 104 8.4 6.4 9.6

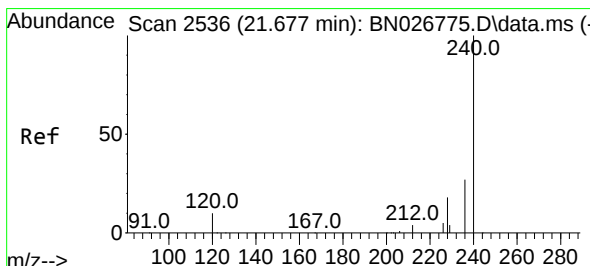
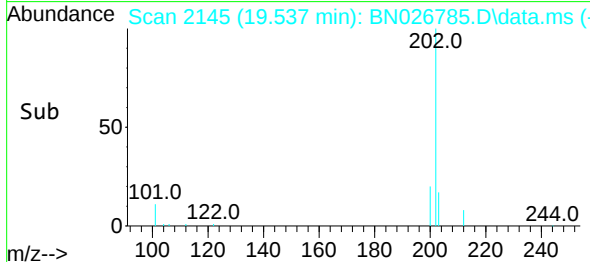
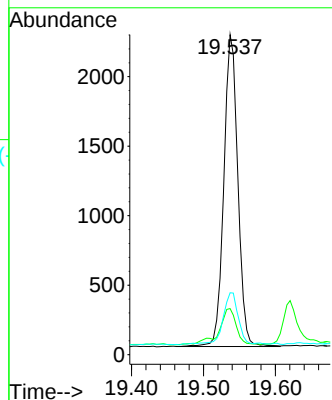
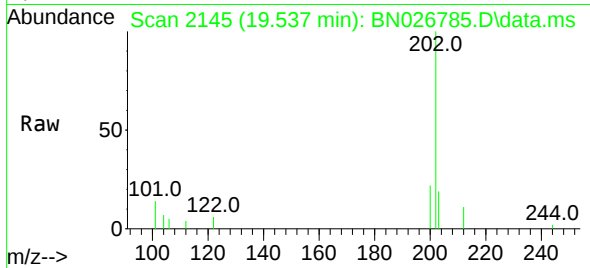




#28
Fluoranthene
Concen: 0.035 ng
RT: 19.537 min Scan# 2145
Delta R.T. -0.009 min
Lab File: BN026785.D
Acq: 01 Aug 2023 15:42

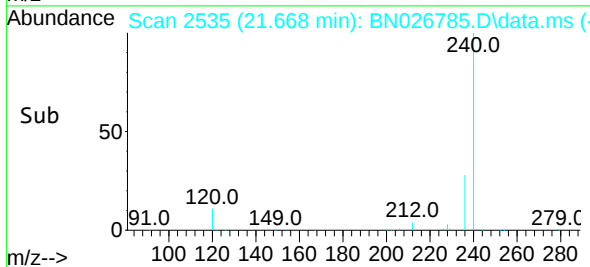
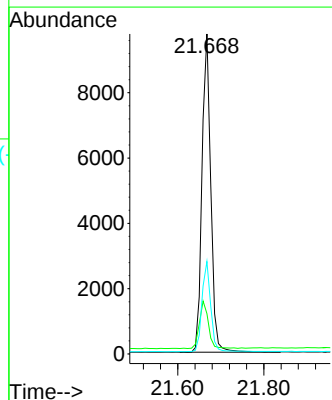
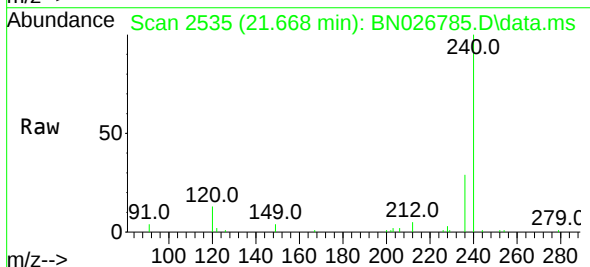
Instrument :
BNA_N
ClientSampleId :
EB-01-073123

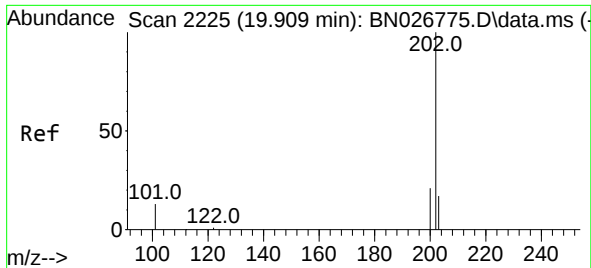
Tgt Ion:202 Resp: 3047
Ion Ratio Lower Upper
202 100
101 14.6 9.2 13.8#
203 18.7 13.7 20.5



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.668 min Scan# 2535
Delta R.T. -0.009 min
Lab File: BN026785.D
Acq: 01 Aug 2023 15:42

Tgt Ion:240 Resp: 13901
Ion Ratio Lower Upper
240 100
120 12.6 9.2 13.8
236 28.9 21.9 32.9

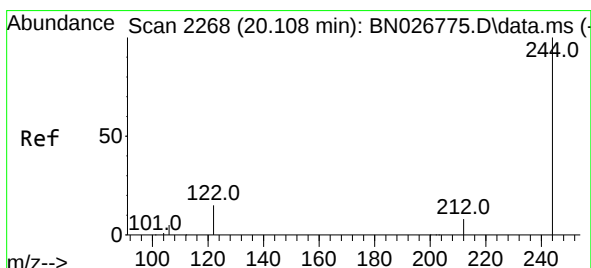
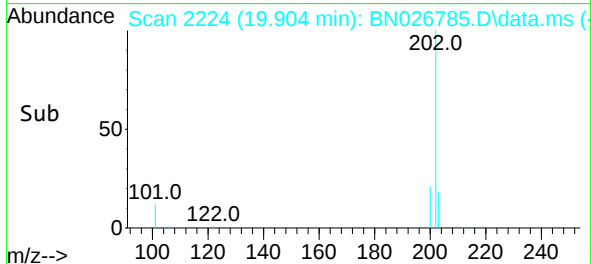
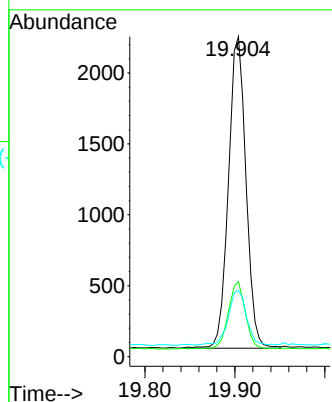
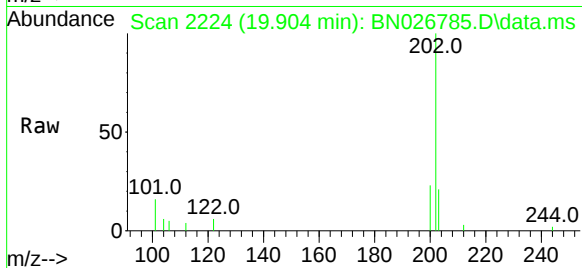




#30
Pyrene
Concen: 0.049 ng
RT: 19.904 min Scan# 21
Delta R.T. -0.005 min
Lab File: BN026785.D
Acq: 01 Aug 2023 15:42

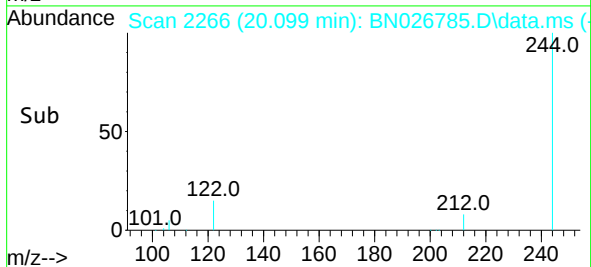
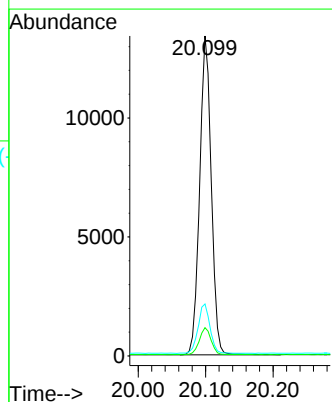
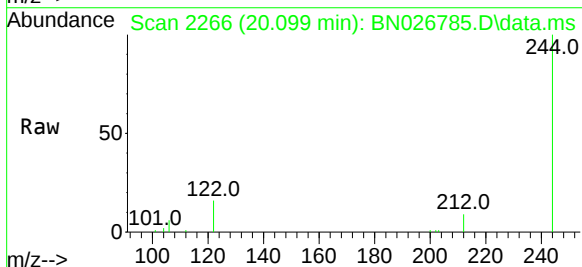
Instrument :
BNA_N
ClientSampleId :
EB-01-073123

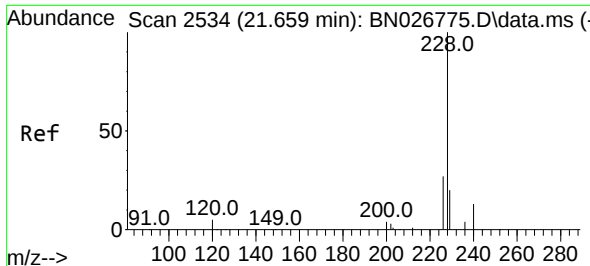
Tgt Ion:	202	Resp:	2962
Ion Ratio	Lower	Upper	
202	100		
200	20.8	16.8	25.2
203	18.2	14.2	21.2



#31
Terphenyl-d14
Concen: 0.553 ng
RT: 20.099 min Scan# 2266
Delta R.T. -0.009 min
Lab File: BN026785.D
Acq: 01 Aug 2023 15:42

Tgt Ion:	244	Resp:	16026
Ion Ratio	Lower	Upper	
244	100		
212	8.9	7.0	10.4
122	16.2	12.3	18.5

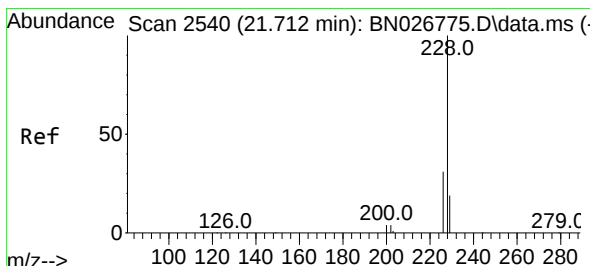
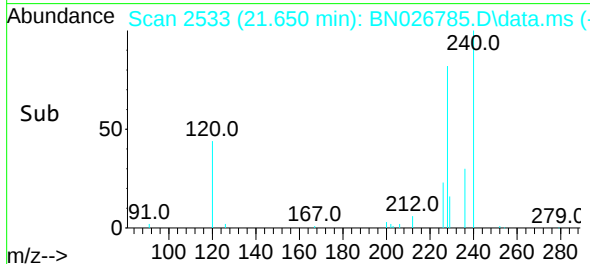
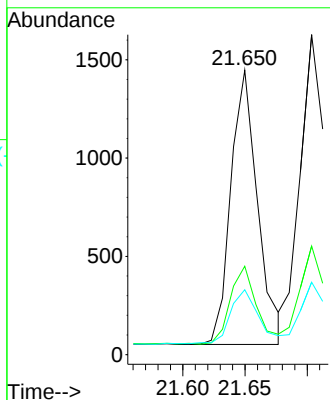
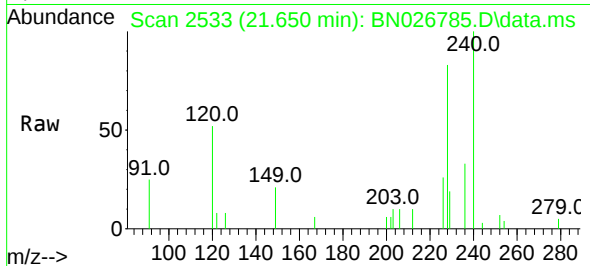




#32
Benzo(a)anthracene
Concen: 0.044 ng
RT: 21.650 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN026785.D
Acq: 01 Aug 2023 15:42

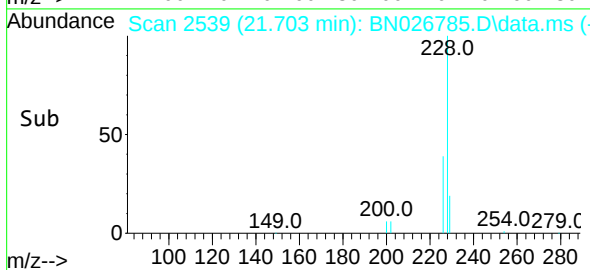
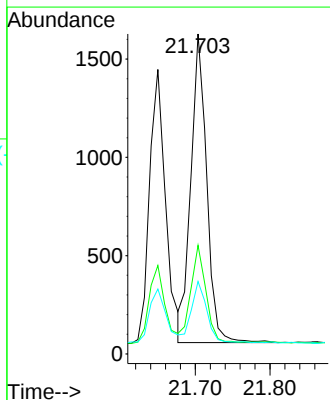
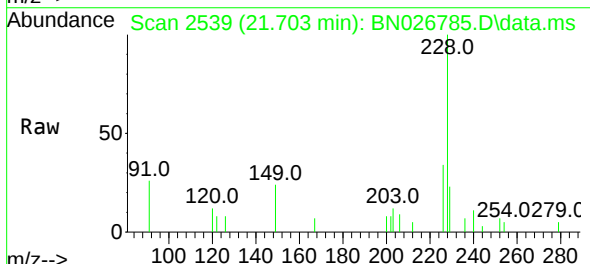
Instrument :
BNA_N
ClientSampleId :
EB-01-073123

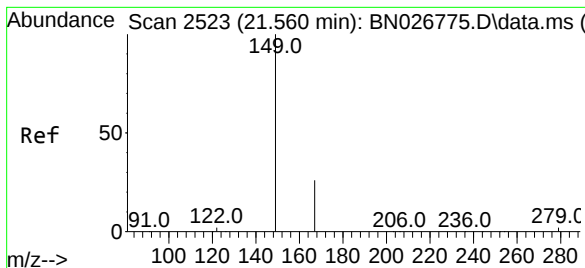
Tgt Ion:228 Resp: 2093
Ion Ratio Lower Upper
228 100
226 31.1 21.9 32.9
229 22.8 15.8 23.8



#33
Chrysene
Concen: 0.044 ng
RT: 21.703 min Scan# 2539
Delta R.T. -0.009 min
Lab File: BN026785.D
Acq: 01 Aug 2023 15:42

Tgt Ion:228 Resp: 2314
Ion Ratio Lower Upper
228 100
226 34.0 24.6 36.8
229 22.7 15.4 23.2

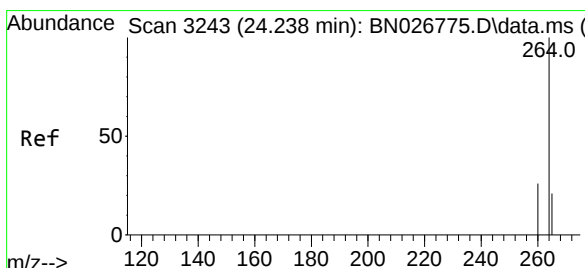
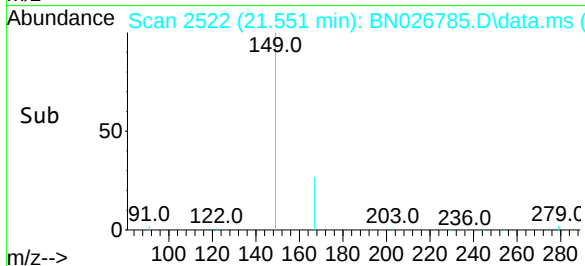
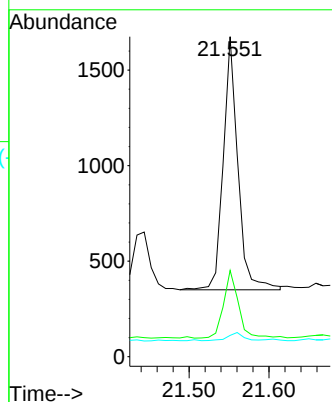
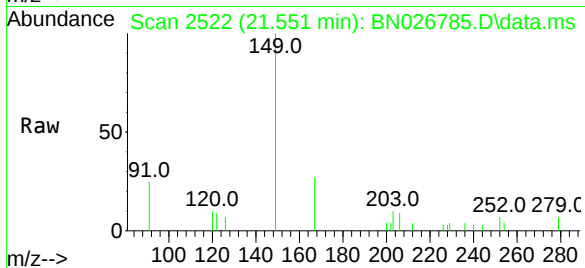




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.107 ng
 RT: 21.551 min Scan# 2152
 Delta R.T. -0.009 min
 Lab File: BN026785.D
 Acq: 01 Aug 2023 15:42

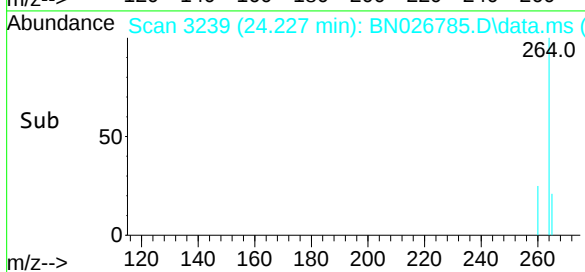
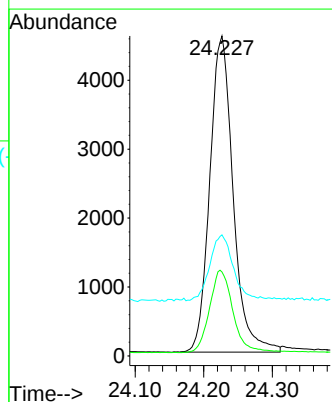
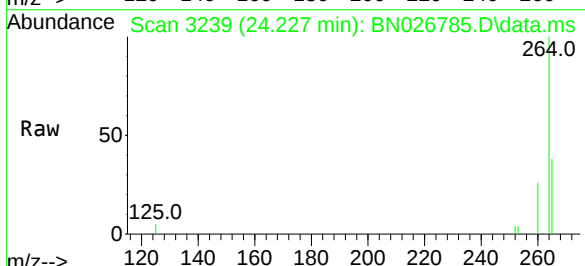
Instrument :
 BNA_N
 ClientSampleId :
 EB-01-073123

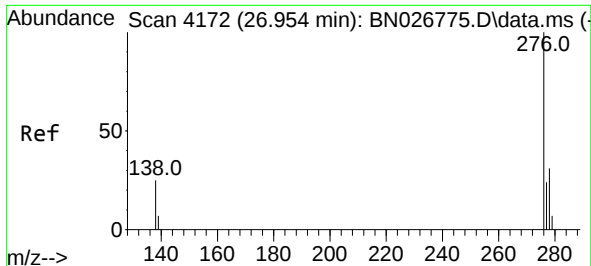
Tgt Ion:149 Resp: 1694
 Ion Ratio Lower Upper
 149 100
 167 27.0 20.8 31.2
 279 3.4 2.4 3.6



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.227 min Scan# 3239
 Delta R.T. -0.012 min
 Lab File: BN026785.D
 Acq: 01 Aug 2023 15:42

Tgt Ion:264 Resp: 10843
 Ion Ratio Lower Upper
 264 100
 260 26.2 21.0 31.6
 265 37.9 22.6 33.8#

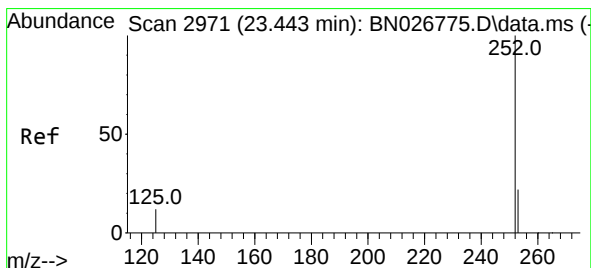
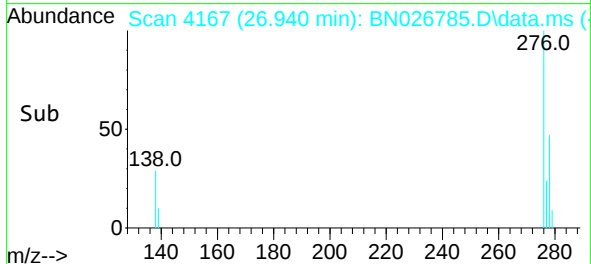
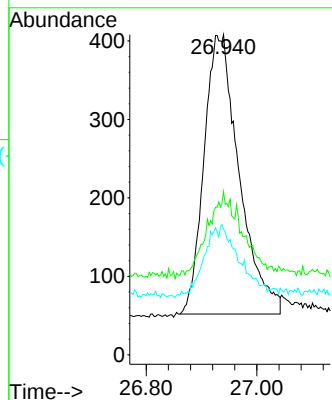
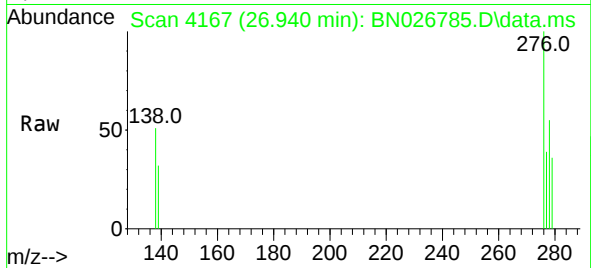




#36
Indeno(1,2,3-cd)pyrene
Concen: 0.036 ng
RT: 26.940 min Scan# 4172
Delta R.T. -0.015 min
Lab File: BN026785.D
Acq: 01 Aug 2023 15:42

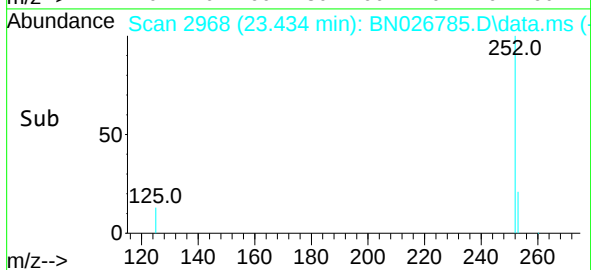
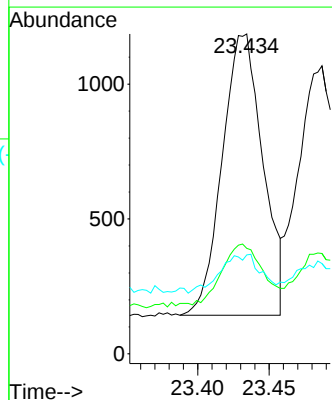
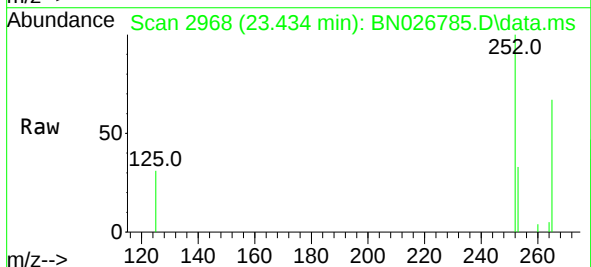
Instrument :
BNA_N
ClientSampleId :
EB-01-073123

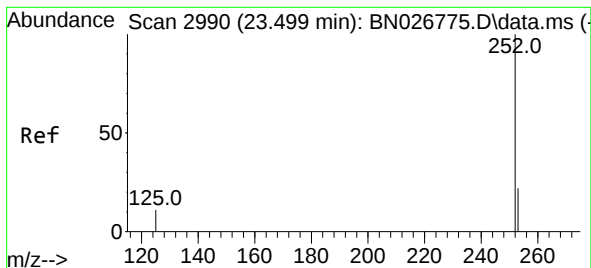
Tgt Ion:276 Resp: 1574
Ion Ratio Lower Upper
276 100
138 19.9 22.8 34.2#
277 9.5 19.9 29.9#



#37
Benzo(b)fluoranthene
Concen: 0.048 ng
RT: 23.434 min Scan# 2968
Delta R.T. -0.009 min
Lab File: BN026785.D
Acq: 01 Aug 2023 15:42

Tgt Ion:252 Resp: 2068
Ion Ratio Lower Upper
252 100
253 33.0 17.8 26.8#
125 30.9 10.8 16.2#





#38

Benzo(k)fluoranthene

Concen: 0.041 ng

RT: 23.487 min Scan# 2986

Delta R.T. -0.012 min

Lab File: BN026785.D

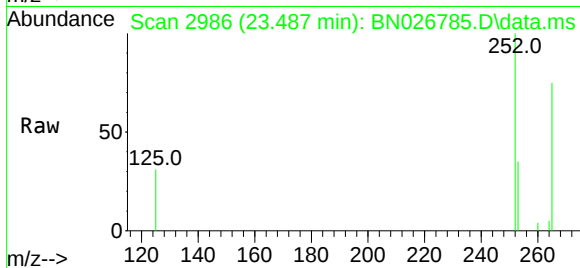
Acq: 01 Aug 2023 15:42

Instrument :

BNA_N

ClientSampleId :

EB-01-073123



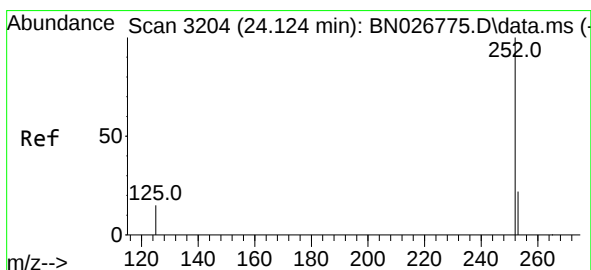
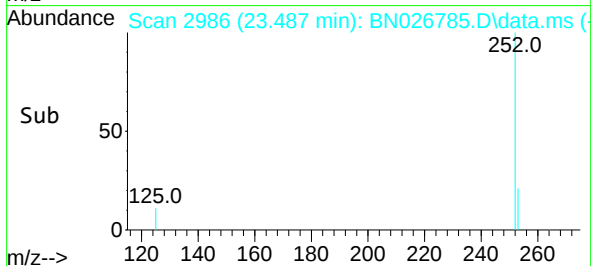
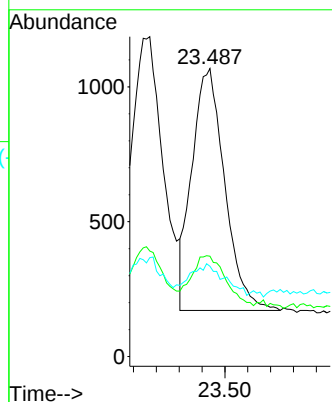
Tgt Ion:252 Resp: 1789

Ion Ratio Lower Upper

252 100

253 34.8 18.0 27.0#

125 31.4 9.4 14.2#



#39

Benzo(a)pyrene

Concen: 0.037 ng

RT: 24.107 min Scan# 3198

Delta R.T. -0.018 min

Lab File: BN026785.D

Acq: 01 Aug 2023 15:42

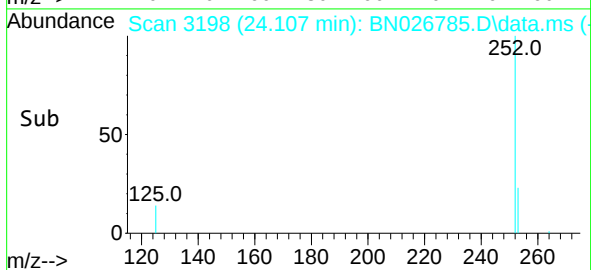
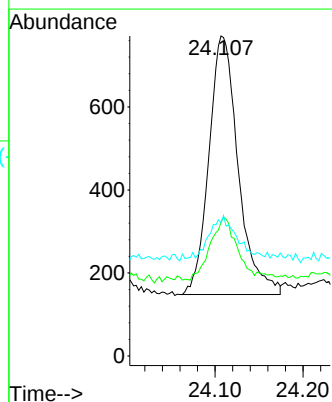
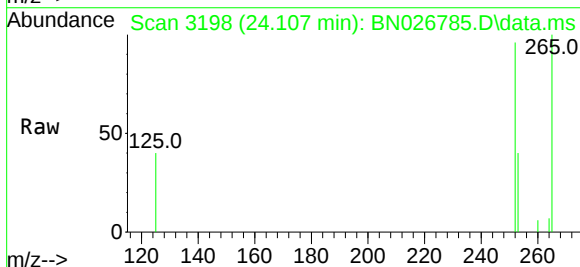
Tgt Ion:252 Resp: 1446

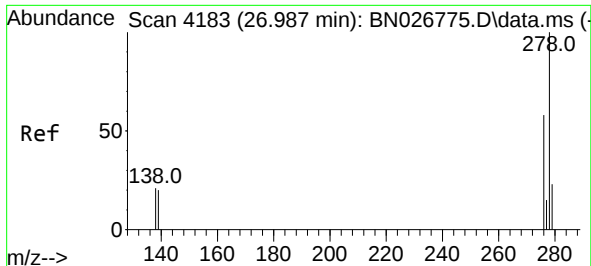
Ion Ratio Lower Upper

252 100

253 41.8 18.5 27.7#

125 41.6 12.7 19.1#

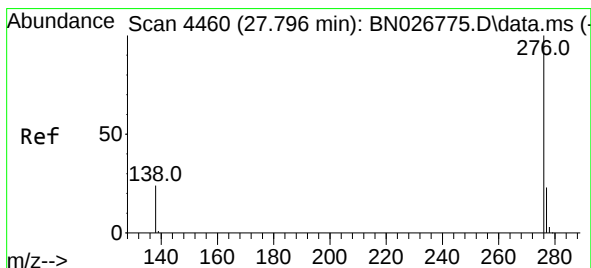
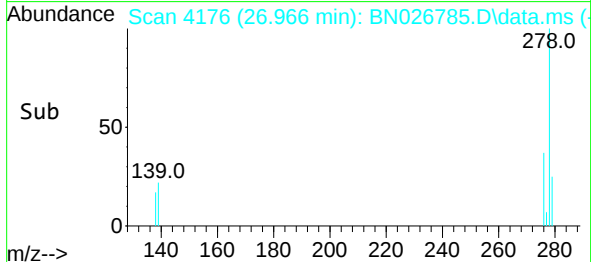
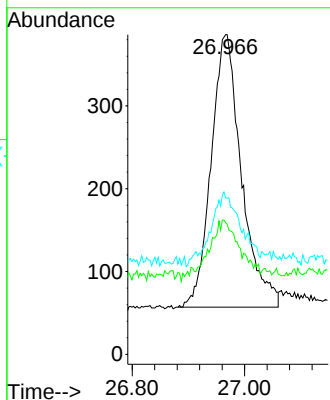
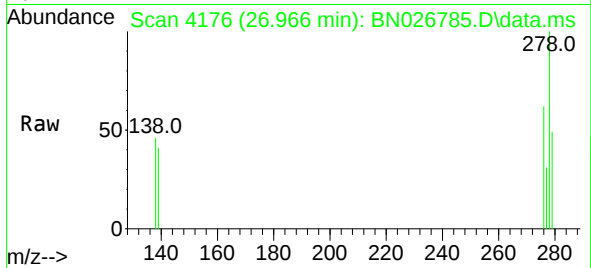




#40
Dibenzo(a,h)anthracene
Concen: 0.036 ng
RT: 26.966 min Scan# 41
Delta R.T. -0.020 min
Lab File: BN026785.D
Acq: 01 Aug 2023 15:42

Instrument :
BNA_N
ClientSampleId :
EB-01-073123

Tgt Ion:278 Resp: 1235
Ion Ratio Lower Upper
278 100
139 41.2 16.8 25.2#
279 49.0 19.5 29.3#



#41
Benzo(g,h,i)perylene
Concen: 0.038 ng
RT: 27.767 min Scan# 4450
Delta R.T. -0.029 min
Lab File: BN026785.D
Acq: 01 Aug 2023 15:42

Tgt Ion:276 Resp: 1563
Ion Ratio Lower Upper
276 100
277 37.9 19.1 28.7#
138 43.4 19.8 29.6#

