

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121121\
 Data File : BN017945.D
 Acq On : 12 Dec 2021 17:53
 Operator : CG/JU
 Sample : M4988-06
 Misc :
 ALS Vial : 70 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RE109D2-20211207

Quant Time: Dec 13 00:41:00 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN121121.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 11 00:01:30 2021
 Response via : Initial Calibration

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

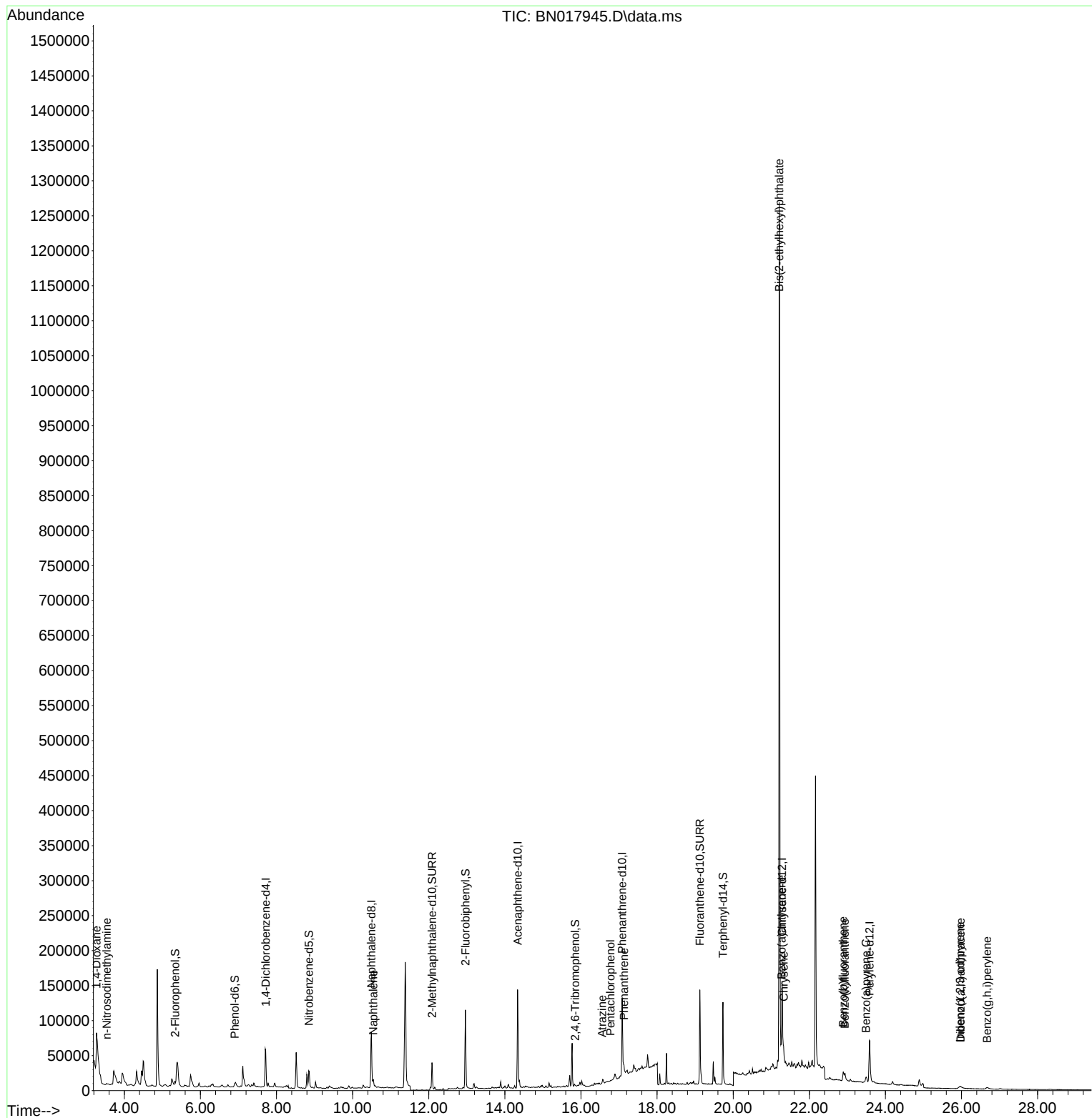
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.715	152	30657	0.400	ng	0.00
7) Naphthalene-d8	10.494	136	127154	0.400	ng	0.00
13) Acenaphthene-d10	14.334	164	86375	0.400	ng	0.00
19) Phenanthrene-d10	17.080	188	169092	0.400	ng	#-0.01
29) Chrysene-d12	21.282	240	127649	0.400	ng	#-0.01
35) Perylene-d12	23.582	264	101847	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.336	112	7690	0.122	ng	0.00
5) Phenol-d6	6.903	99	4787	0.076	ng	0.00
8) Nitrobenzene-d5	8.846	82	26456	0.319	ng	-0.01
11) 2-Methylnaphthalene-d10	12.085	152	58096	0.260	ng	0.00
14) 2,4,6-Tribromophenol	15.844	330	310	0.339	ng	0.00
15) 2-Fluorobiphenyl	12.964	172	101113	0.333	ng	0.00
27) Fluoranthene-d10	19.124	212	172279	0.314	ng	0.00
31) Terphenyl-d14	19.730	244	135010	0.429	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.270	88	54712	5.881	ng	94
3) n-Nitrosodimethylamine	3.538	42	680	0.024	ng	# 1
9) Naphthalene	10.545	128	11510	0.036	ng	96
20) 4,6-Dinitro-2-methylph...	15.464	198	32	Below Cal	#	22
23) Atrazine	16.557	200	326	0.095	ng	# 1
24) Pentachlorophenol	16.776	266	62	0.107	ng	# 25
25) Phenanthrene	17.129	178	17311	0.040	ng	# 61
32) Benzo(a)anthracene	21.272	228	22065	0.104	ng	# 89
33) Chrysene	21.325	228	23538	0.056	ng	# 93
34) Bis(2-ethylhexyl)phtha...	21.208	149	1311675	9.571	ng	98
36) Indeno(1,2,3-cd)pyrene	25.961	276	7125	0.122	ng	# 81
37) Benzo(b)fluoranthene	22.891	252	17377	0.052	ng	# 1
38) Benzo(k)fluoranthene	22.935	252	14378	0.044	ng	# 1
39) Benzo(a)pyrene	23.486	252	12301	0.041	ng	# 1
40) Dibenzo(a,h)anthracene	25.978	278	5328	0.137	ng	# 1
41) Benzo(g,h,i)perylene	26.673	276	8440	0.052	ng	# 62

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

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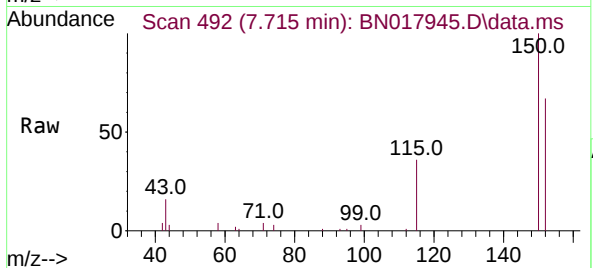
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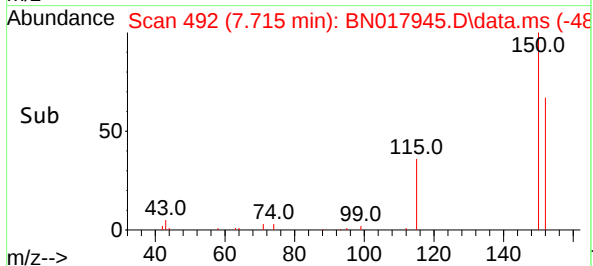
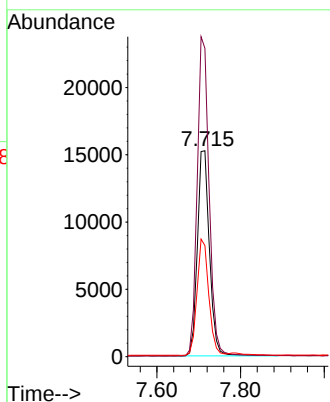


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.715 min Scan# 492
 Delta R.T. -0.000 min
 Lab File: BN017945.D
 Acq: 12 Dec 2021 17:53

Instrument :
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 ClientSampleId :
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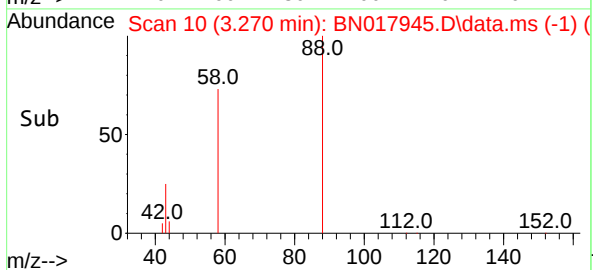
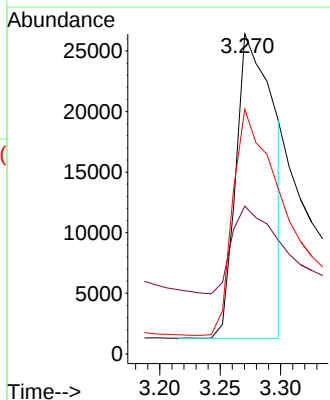
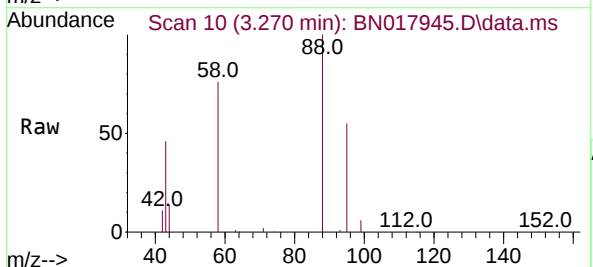


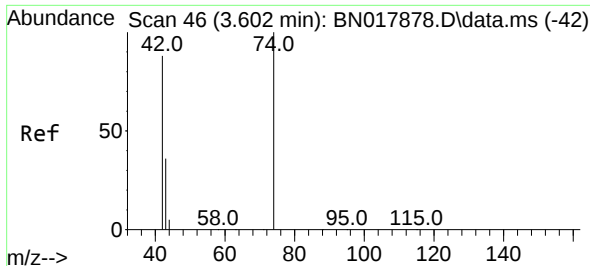
Tgt Ion:152 Resp: 30657
 Ion Ratio Lower Upper
 152 100
 150 149.7 121.9 182.9
 115 53.9 44.1 66.1



#2
 1,4-Dioxane
 Concen: 5.881 ng
 RT: 3.270 min Scan# 10
 Delta R.T. -0.000 min
 Lab File: BN017945.D
 Acq: 12 Dec 2021 17:53

Tgt Ion: 88 Resp: 54712
 Ion Ratio Lower Upper
 88 100
 43 30.2 28.0 42.0
 58 76.6 65.4 98.0

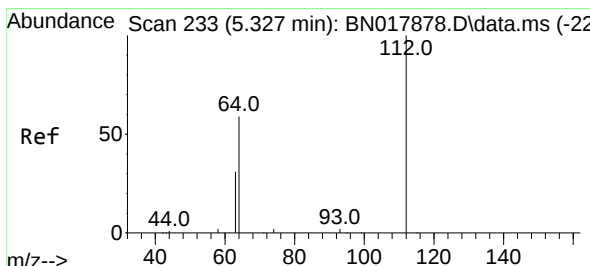
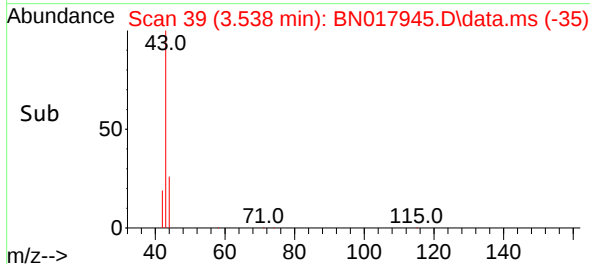
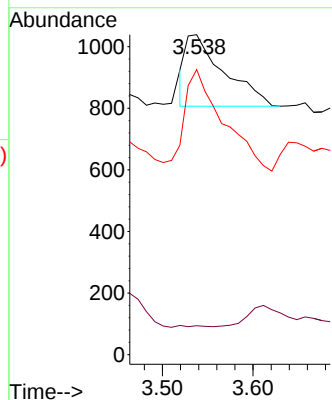
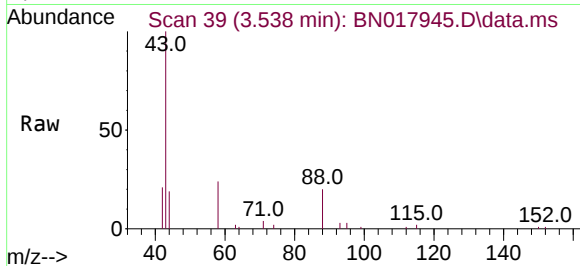




#3
n-Nitrosodimethylamine
Concen: 0.024 ng
RT: 3.538 min Scan# 31
Delta R.T. -0.065 min
Lab File: BN017945.D
Acq: 12 Dec 2021 17:53

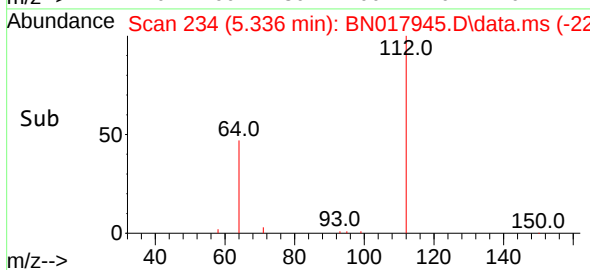
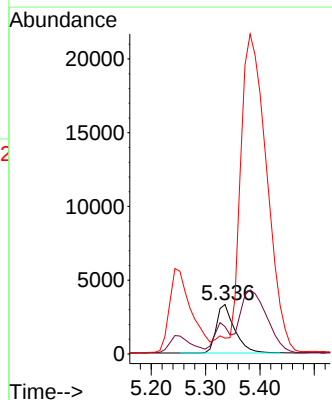
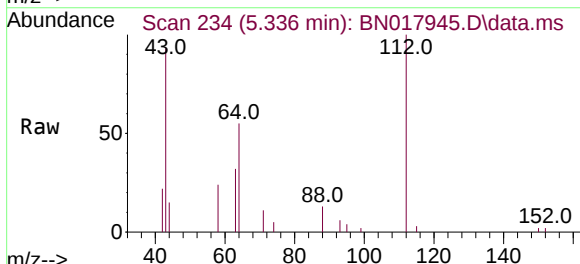
Instrument :
BNA_N
ClientSampleId :
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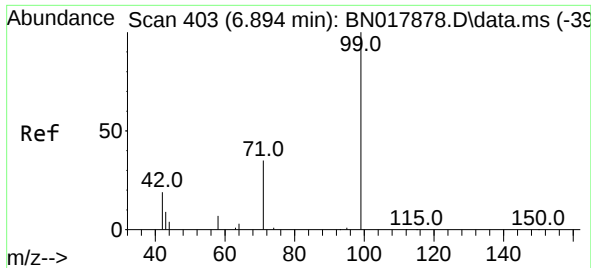
Tgt Ion: 42 Resp: 680
Ion Ratio Lower Upper
42 100
74 0.0 100.6 150.8#
44 135.0 5.2 7.8#



#4
2-Fluorophenol
Concen: 0.122 ng
RT: 5.336 min Scan# 234
Delta R.T. 0.009 min
Lab File: BN017945.D
Acq: 12 Dec 2021 17:53

Tgt Ion: 112 Resp: 7690
Ion Ratio Lower Upper
112 100
64 39.9 49.0 73.4#
63 0.0 26.2 39.2#

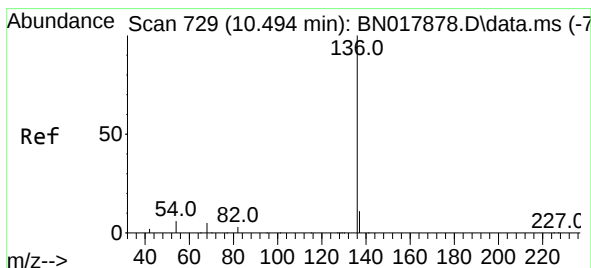
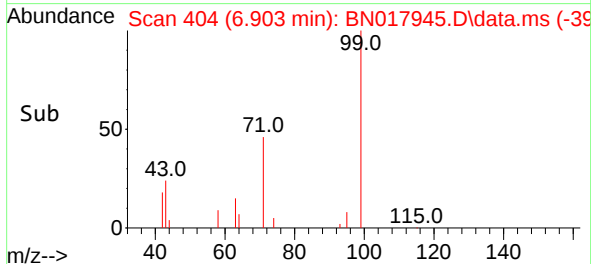
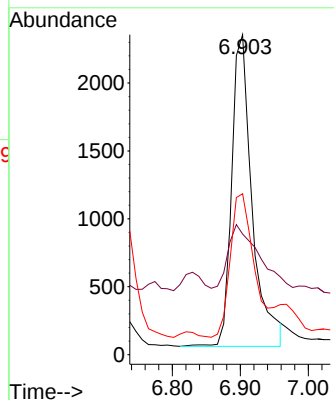
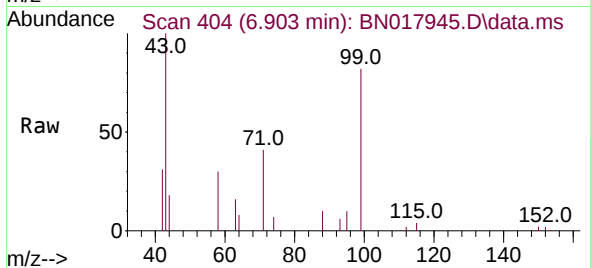




#5
Phenol-d6
Concen: 0.076 ng
RT: 6.903 min Scan# 403
Delta R.T. 0.009 min
Lab File: BN017945.D
Acq: 12 Dec 2021 17:53

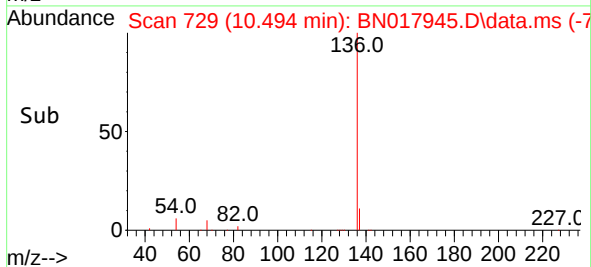
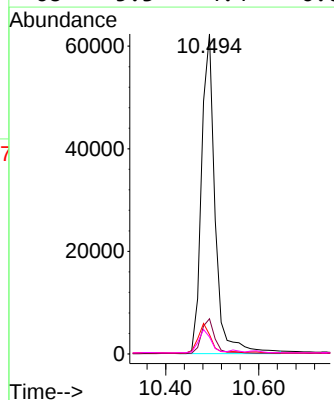
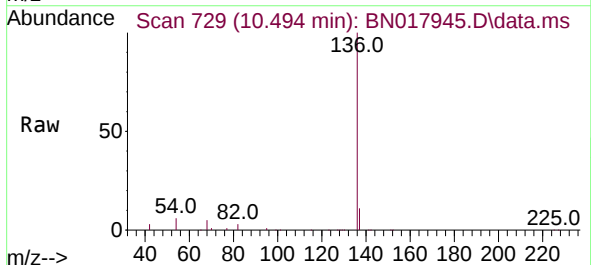
Instrument :
BNA_N
ClientSampleId :
RE109D2-20211207

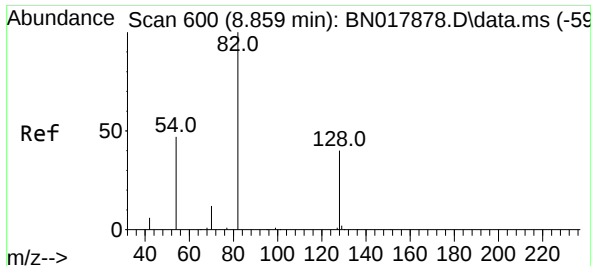
Tgt Ion: 99 Resp: 4787
Ion Ratio Lower Upper
99 100
42 29.5 17.0 25.4#
71 55.5 28.0 42.0#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.494 min Scan# 729
Delta R.T. -0.000 min
Lab File: BN017945.D
Acq: 12 Dec 2021 17:53

Tgt Ion: 136 Resp: 127154
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 6.1 5.1 7.7
68 5.3 4.4 6.6

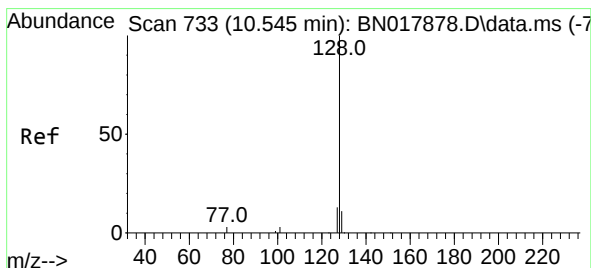
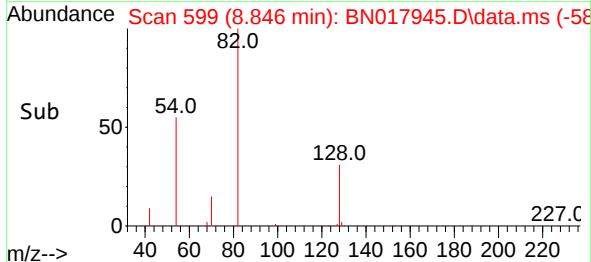
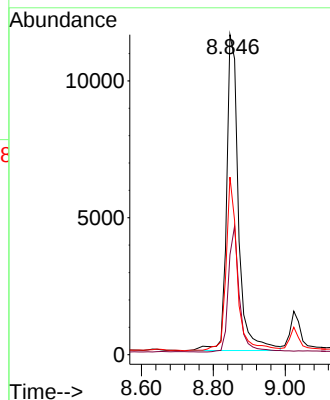
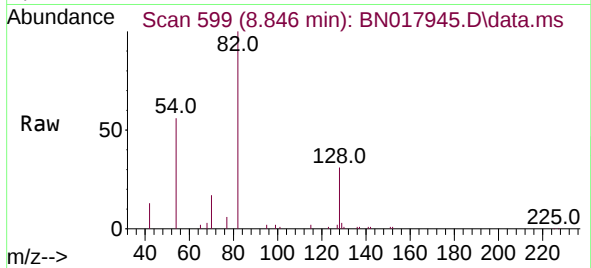




#8
Nitrobenzene-d5
Concen: 0.319 ng
RT: 8.846 min Scan# 599
Delta R.T. -0.013 min
Lab File: BN017945.D
Acq: 12 Dec 2021 17:53

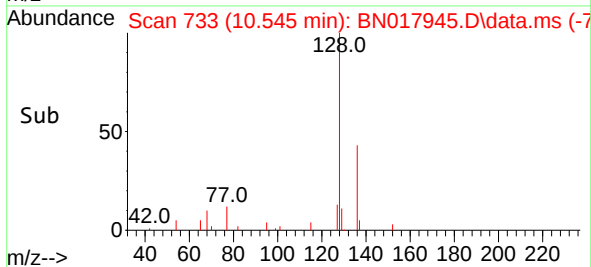
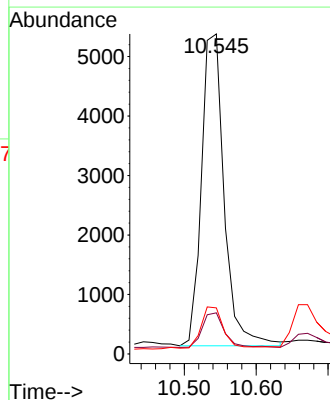
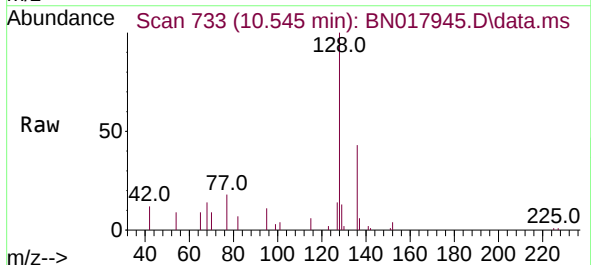
Instrument :
BNA_N
ClientSampleId :
RE109D2-20211207

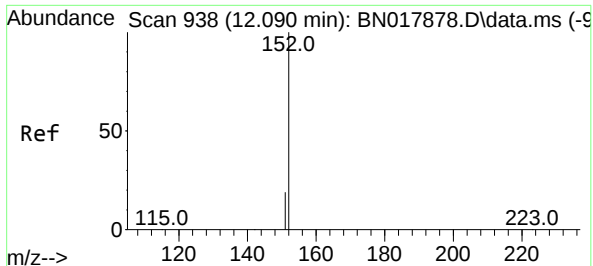
Tgt Ion: 82 Resp: 26456
Ion Ratio Lower Upper
82 100
128 31.2 32.2 48.4#
54 55.5 37.6 56.4



#9
Naphthalene
Concen: 0.036 ng
RT: 10.545 min Scan# 733
Delta R.T. -0.000 min
Lab File: BN017945.D
Acq: 12 Dec 2021 17:53

Tgt Ion: 128 Resp: 11510
Ion Ratio Lower Upper
128 100
129 12.8 8.8 13.2
127 14.4 10.5 15.7

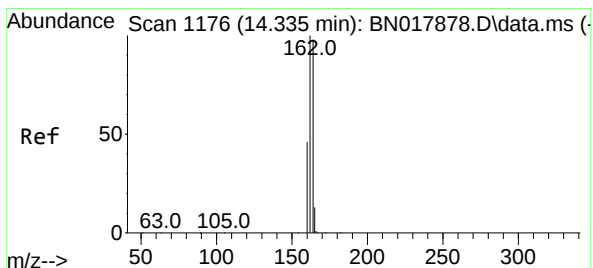
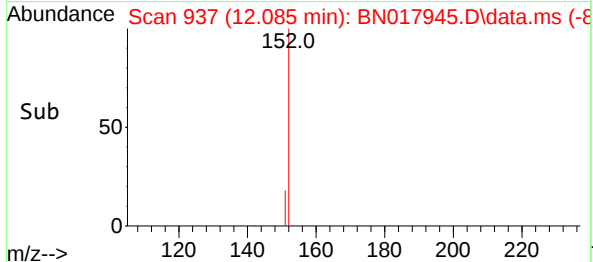
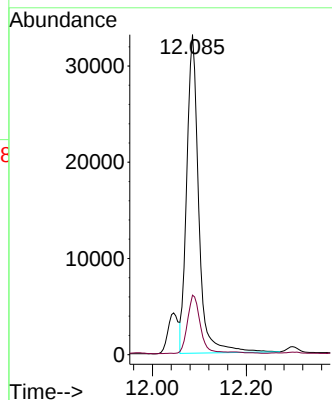
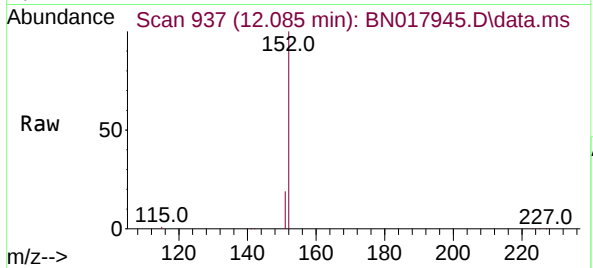




#11
2-Methylnaphthalene-d10
Concen: 0.260 ng
RT: 12.085 min Scan# 911
Delta R.T. -0.005 min
Lab File: BN017945.D
Acq: 12 Dec 2021 17:53

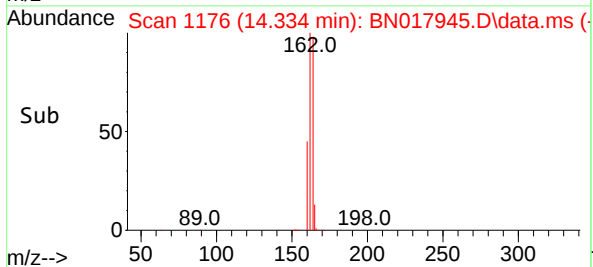
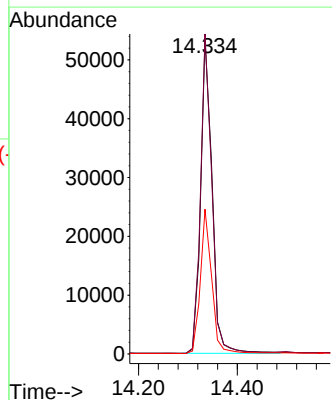
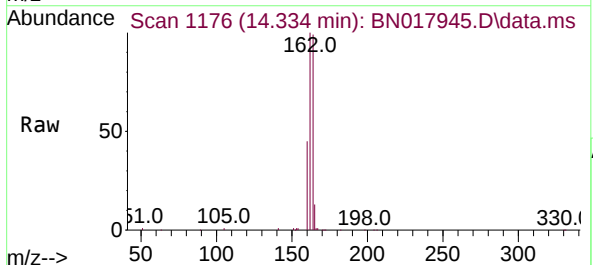
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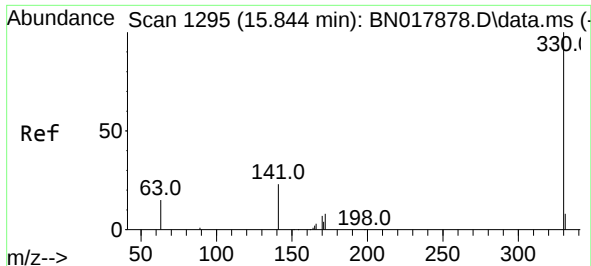
Tgt Ion:152 Resp: 58096
Ion Ratio Lower Upper
152 100
151 20.1 16.4 24.6



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.334 min Scan# 1176
Delta R.T. -0.000 min
Lab File: BN017945.D
Acq: 12 Dec 2021 17:53

Tgt Ion:164 Resp: 86375
Ion Ratio Lower Upper
164 100
162 101.5 82.1 123.1
160 45.9 38.2 57.2

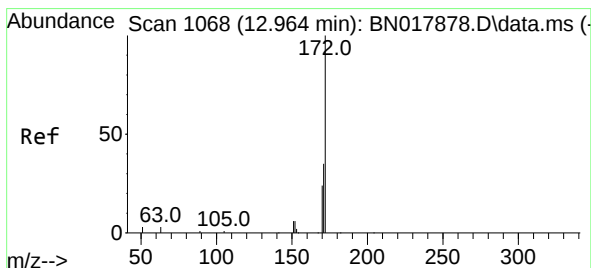
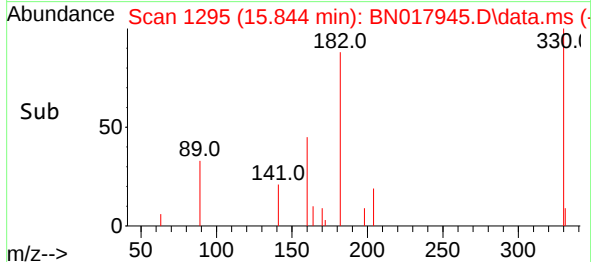
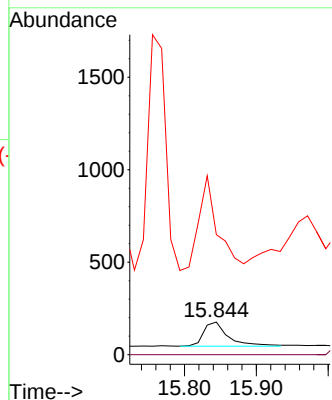
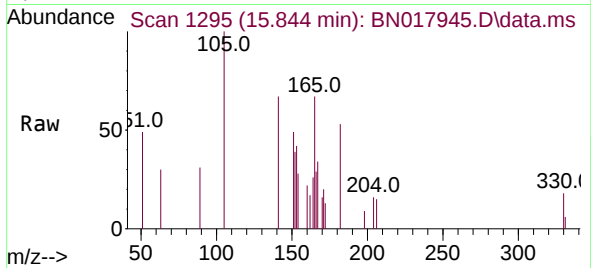




#14
2,4,6-Tribromophenol
Concen: 0.339 ng
RT: 15.844 min Scan# 1295
Delta R.T. 0.000 min
Lab File: BN017945.D
Acq: 12 Dec 2021 17:53

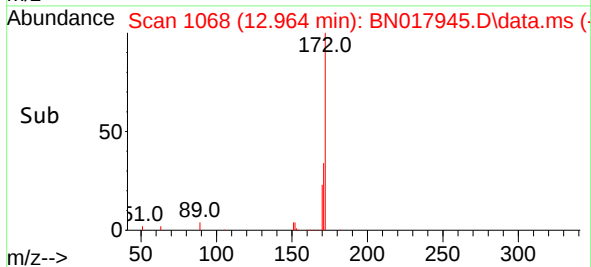
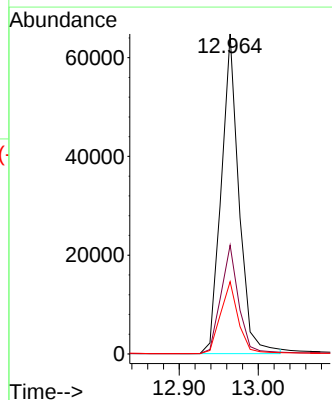
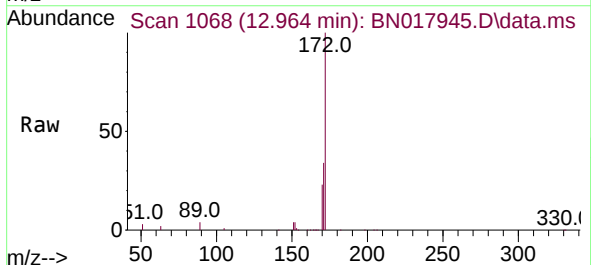
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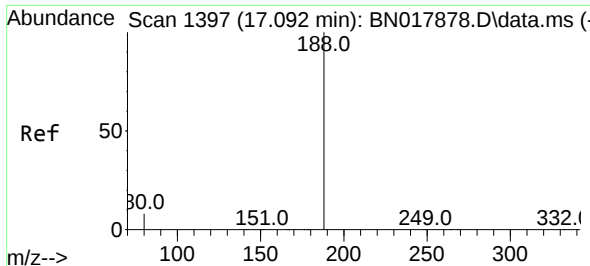
Tgt Ion:330 Resp: 310
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 305.2 19.7 29.5#



#15
2-Fluorobiphenyl
Concen: 0.333 ng
RT: 12.964 min Scan# 1068
Delta R.T. -0.000 min
Lab File: BN017945.D
Acq: 12 Dec 2021 17:53

Tgt Ion:172 Resp: 101113
Ion Ratio Lower Upper
172 100
171 34.0 28.3 42.5
170 22.6 19.1 28.7

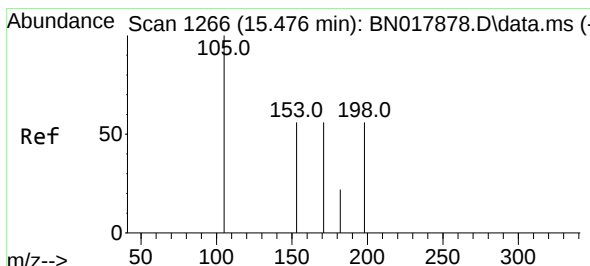
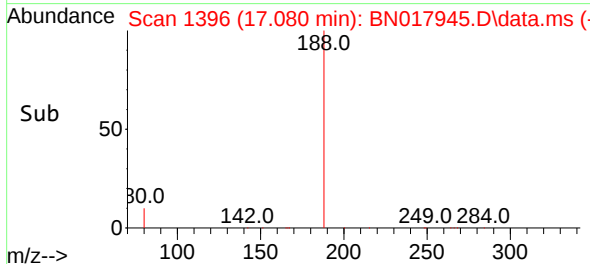
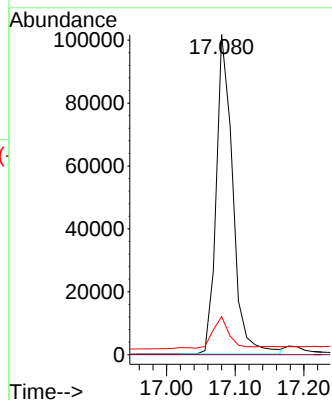
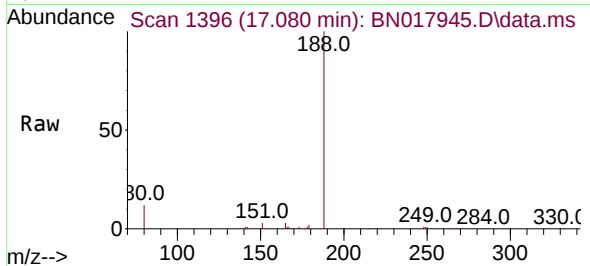




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.080 min Scan# 11
Delta R.T. -0.012 min
Lab File: BN017945.D
Acq: 12 Dec 2021 17:53

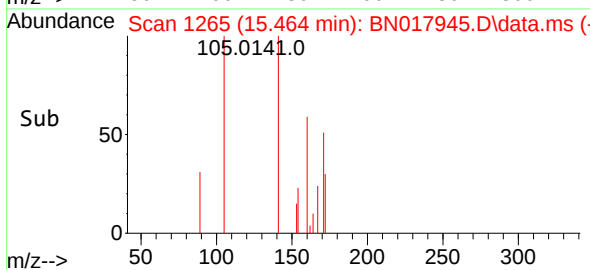
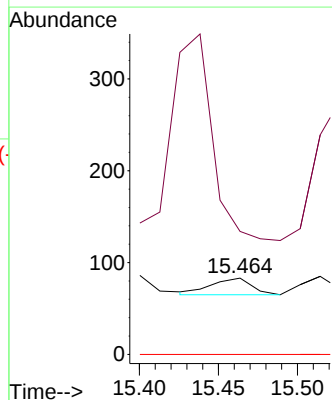
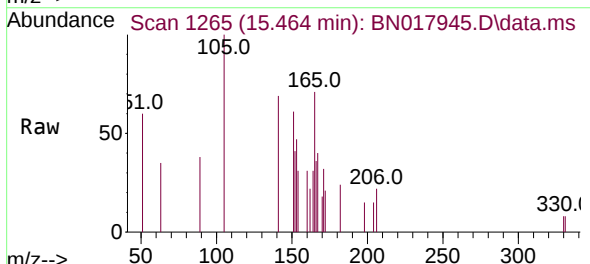
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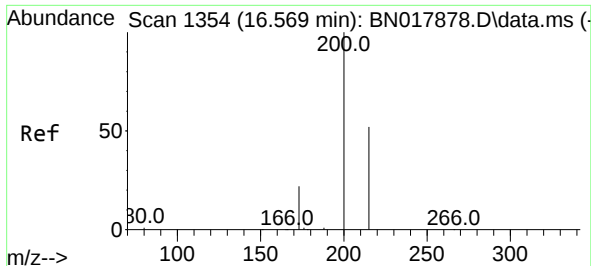
Tgt Ion:188 Resp: 169092
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.9 6.2 9.2#



#20
4,6-Dinitro-2-methylphenol
Concen: Below Cal
RT: 15.464 min Scan# 1265
Delta R.T. -0.012 min
Lab File: BN017945.D
Acq: 12 Dec 2021 17:53

Tgt Ion:198 Resp: 32
Ion Ratio Lower Upper
198 100
182 161.4 70.8 106.2#
77 0.0 0.0 0.0

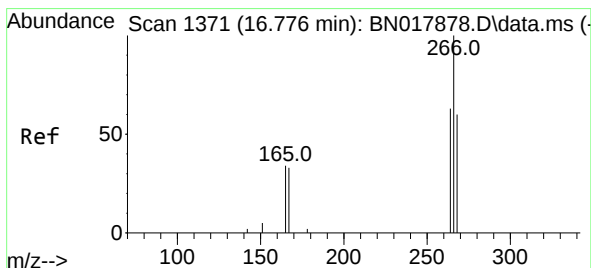
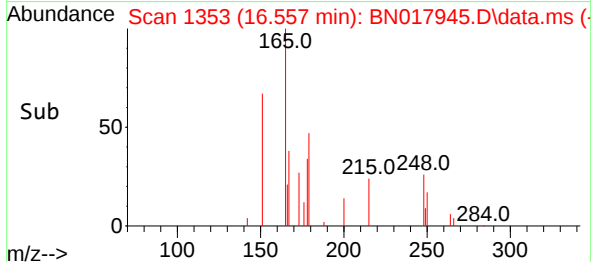
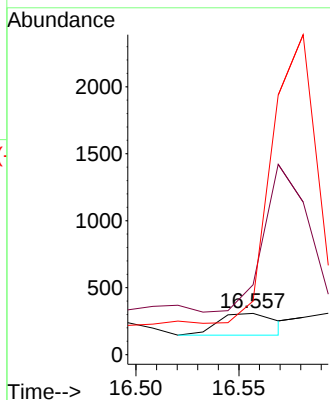
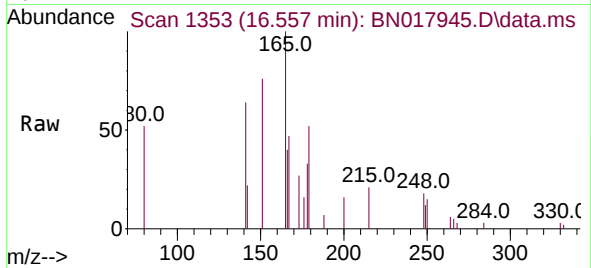




#23
 Atrazine
 Concen: 0.095 ng
 RT: 16.557 min Scan# 1353
 Delta R.T. -0.012 min
 Lab File: BN017945.D
 Acq: 12 Dec 2021 17:53

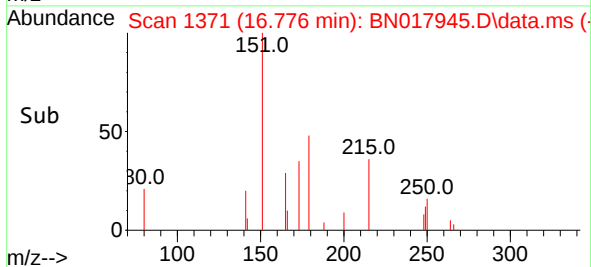
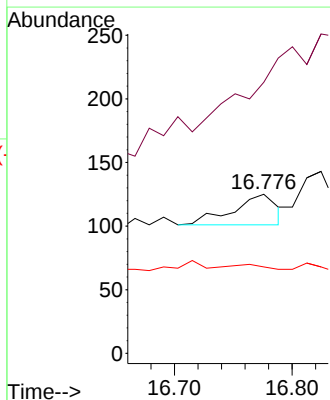
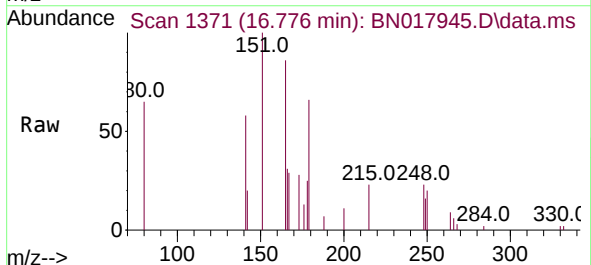
Instrument :
 BNA_N
 ClientSampleId :
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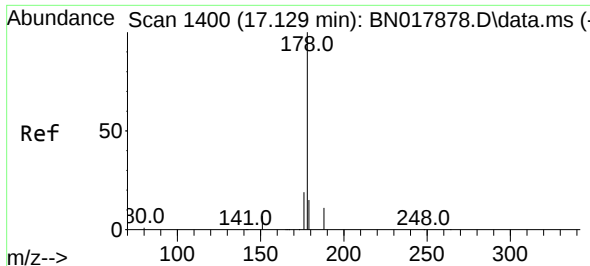
Tgt Ion:200 Resp: 326
 Ion Ratio Lower Upper
 200 100
 173 169.5 18.2 27.2#
 215 129.9 41.8 62.8#



#24
 Pentachlorophenol
 Concen: 0.107 ng
 RT: 16.776 min Scan# 1371
 Delta R.T. -0.000 min
 Lab File: BN017945.D
 Acq: 12 Dec 2021 17:53

Tgt Ion:266 Resp: 62
 Ion Ratio Lower Upper
 266 100
 264 0.0 50.6 76.0#
 268 11.3 53.7 80.5#

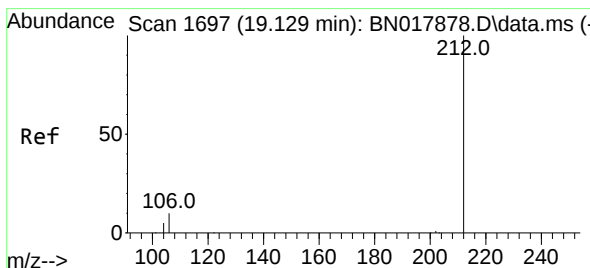
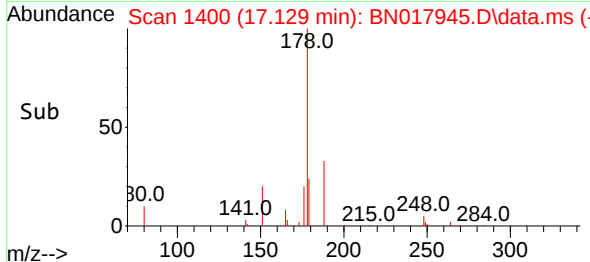
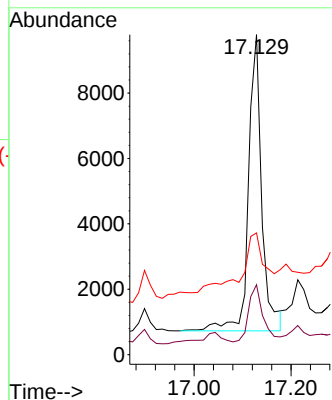
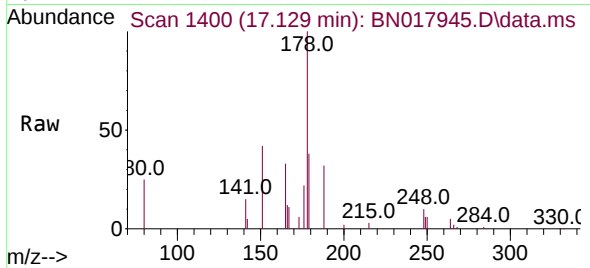




#25
Phenanthrene
Concen: 0.040 ng
RT: 17.129 min Scan# 1400
Delta R.T. -0.000 min
Lab File: BN017945.D
Acq: 12 Dec 2021 17:53

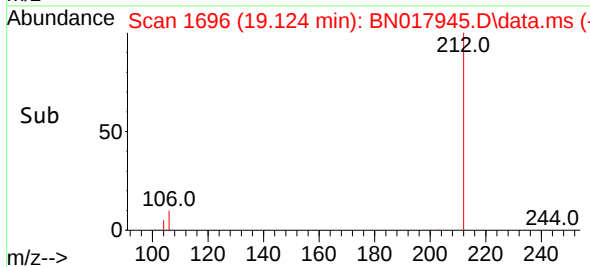
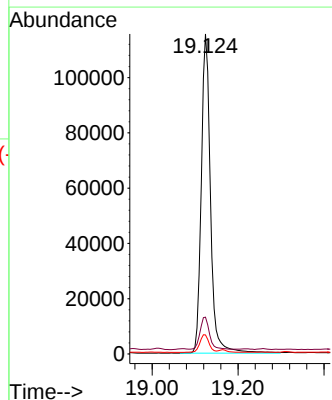
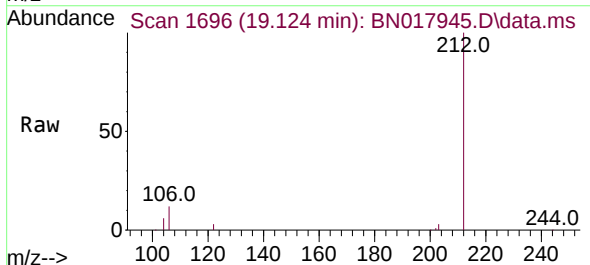
Instrument :
BNA_N
ClientSampleId :
RE109D2-20211207

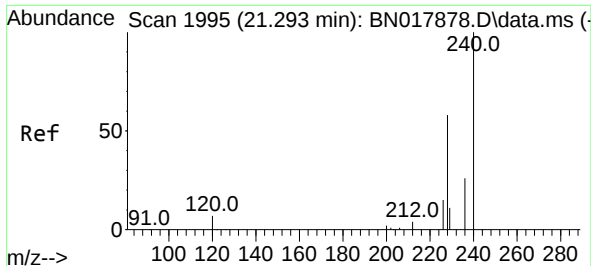
Tgt Ion:178 Resp: 17311
Ion Ratio Lower Upper
178 100
176 21.1 15.0 22.6
179 49.0 12.4 18.6#



#27
Fluoranthene-d10
Concen: 0.314 ng
RT: 19.124 min Scan# 1696
Delta R.T. -0.005 min
Lab File: BN017945.D
Acq: 12 Dec 2021 17:53

Tgt Ion:212 Resp: 172279
Ion Ratio Lower Upper
212 100
106 10.3 8.3 12.5
104 5.6 4.6 6.8

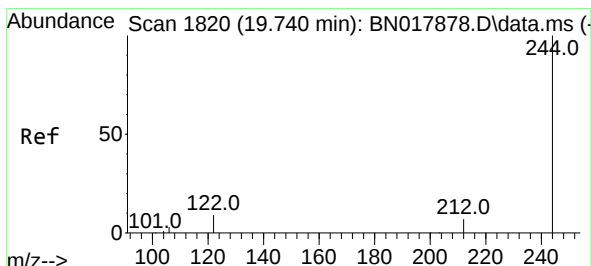
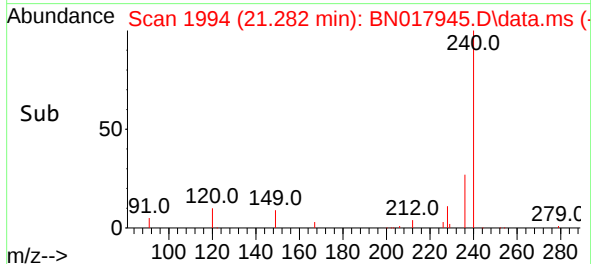
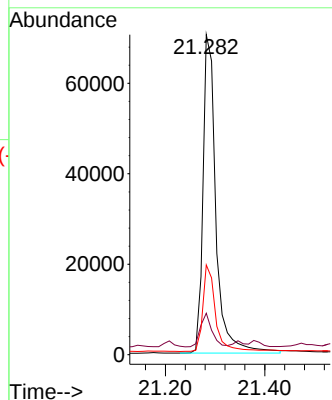
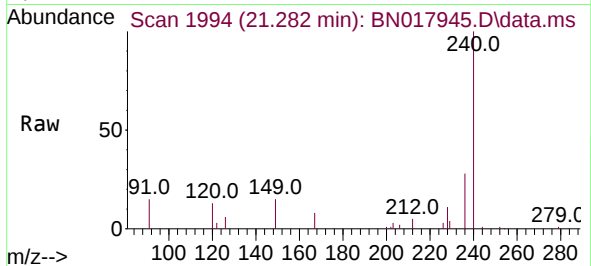




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.282 min Scan# 1994
Delta R.T. -0.011 min
Lab File: BN017945.D
Acq: 12 Dec 2021 17:53

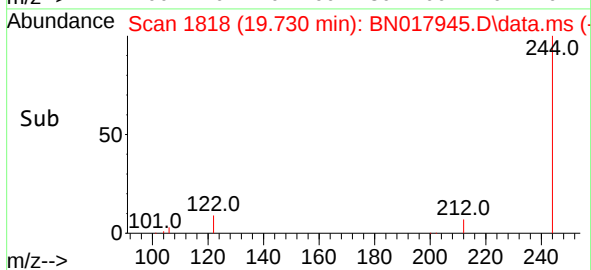
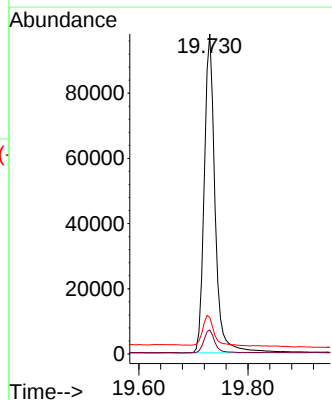
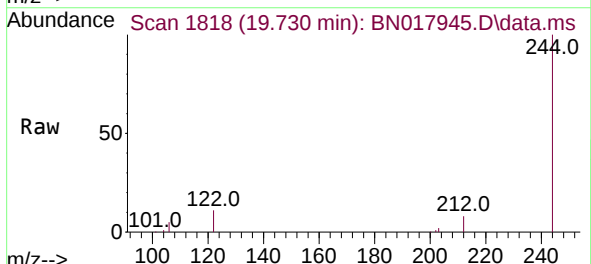
Instrument :
BNA_N
ClientSampleId :
RE109D2-20211207

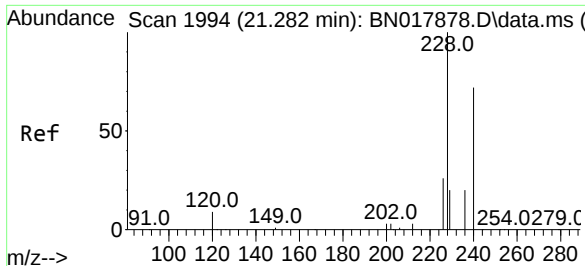
Tgt Ion:240 Resp: 127649
Ion Ratio Lower Upper
240 100
120 12.9 5.8 8.8#
236 28.1 21.0 31.6



#31
Terphenyl-d14
Concen: 0.429 ng
RT: 19.730 min Scan# 1818
Delta R.T. -0.010 min
Lab File: BN017945.D
Acq: 12 Dec 2021 17:53

Tgt Ion:244 Resp: 135010
Ion Ratio Lower Upper
244 100
212 7.5 6.2 9.2
122 11.4 7.5 11.3#

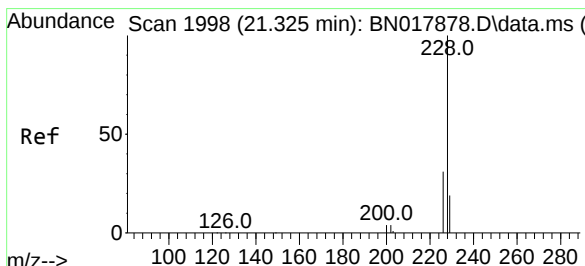
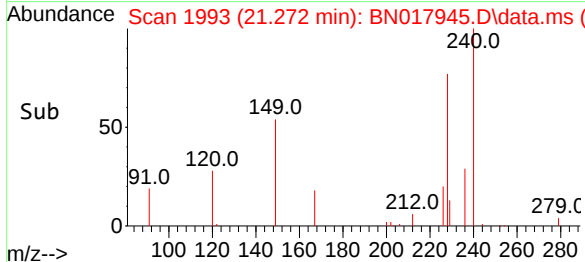
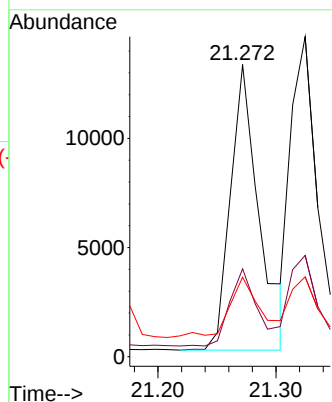
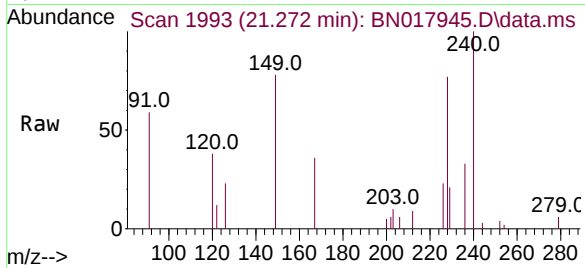




#32
Benzo(a)anthracene
Concen: 0.104 ng
RT: 21.272 min Scan# 1993
Delta R.T. -0.010 min
Lab File: BN017945.D
Acq: 12 Dec 2021 17:53

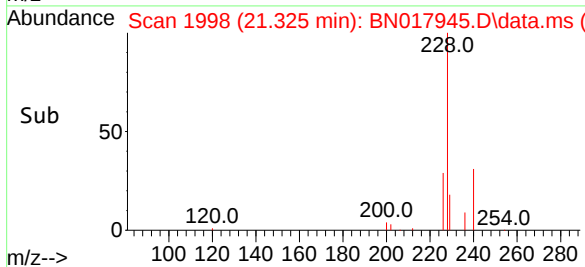
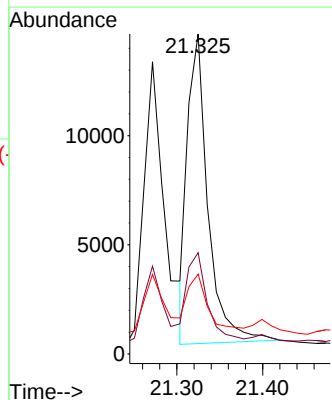
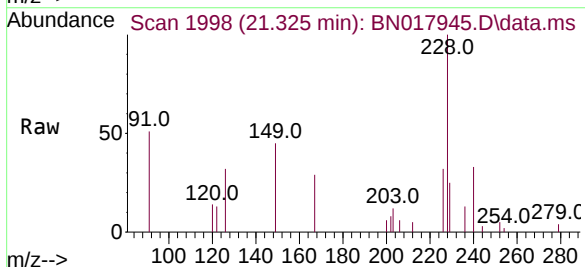
Instrument :
BNA_N
ClientSampleId :
RE109D2-20211207

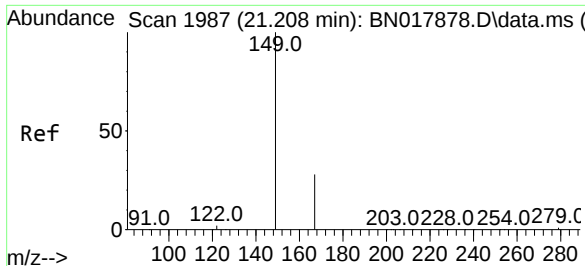
Tgt Ion:228 Resp: 22065
Ion Ratio Lower Upper
228 100
226 30.1 21.0 31.4
229 27.2 15.8 23.8#



#33
Chrysene
Concen: 0.056 ng
RT: 21.325 min Scan# 1998
Delta R.T. -0.000 min
Lab File: BN017945.D
Acq: 12 Dec 2021 17:53

Tgt Ion:228 Resp: 23538
Ion Ratio Lower Upper
228 100
226 31.7 23.8 35.8
229 25.0 15.6 23.4#

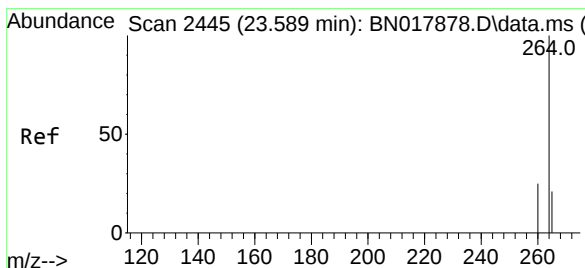
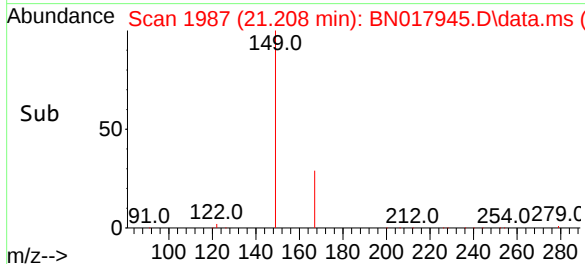
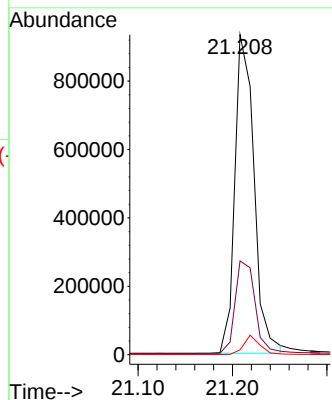
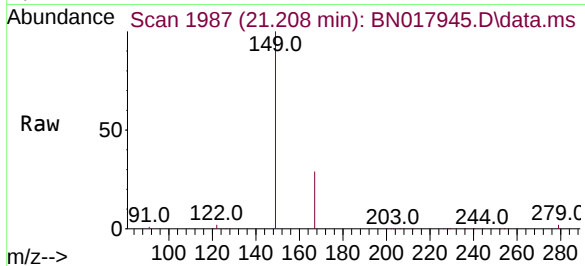




#34
Bis(2-ethylhexyl)phthalate
Concen: 9.571 ng
RT: 21.208 min Scan# 1987
Delta R.T. -0.000 min
Lab File: BN017945.D
Acq: 12 Dec 2021 17:53

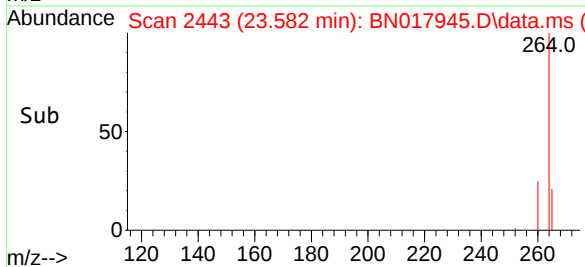
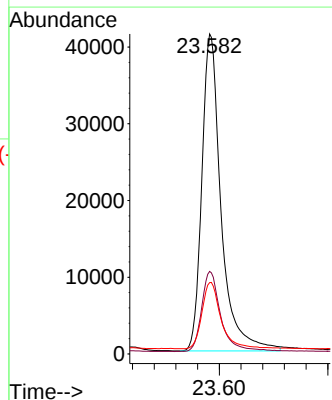
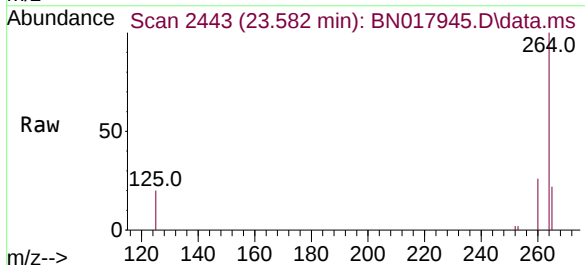
Instrument :
BNA_N
ClientSampleId :
RE109D2-20211207

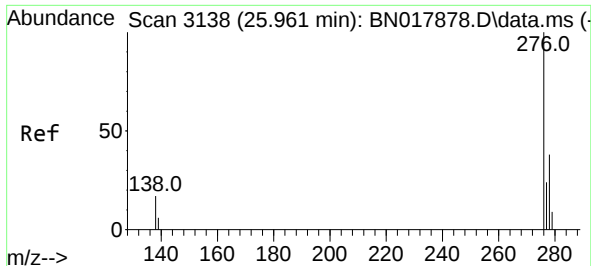
Tgt Ion:149 Resp: 1311675
Ion Ratio Lower Upper
149 100
167 30.4 23.4 35.0
279 5.1 3.6 5.4



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.582 min Scan# 2443
Delta R.T. -0.007 min
Lab File: BN017945.D
Acq: 12 Dec 2021 17:53

Tgt Ion:264 Resp: 101847
Ion Ratio Lower Upper
264 100
260 25.8 20.2 30.4
265 22.3 18.2 27.4

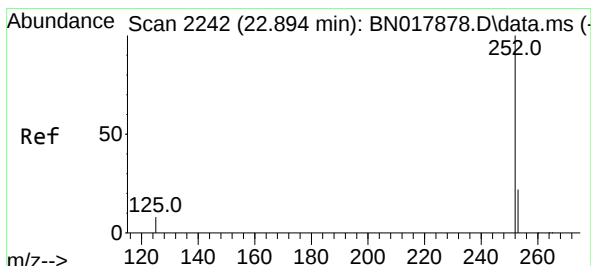
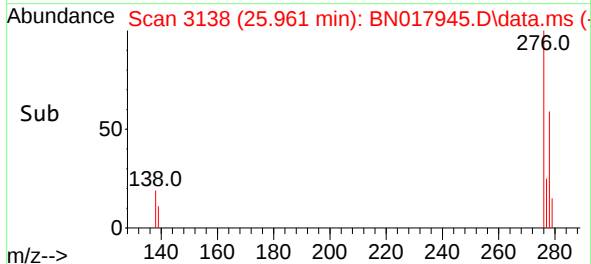
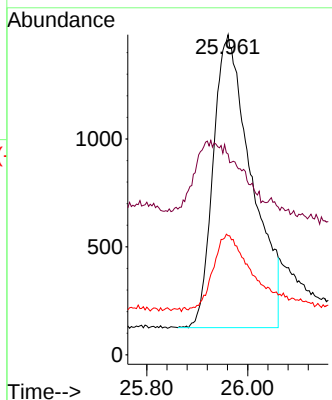
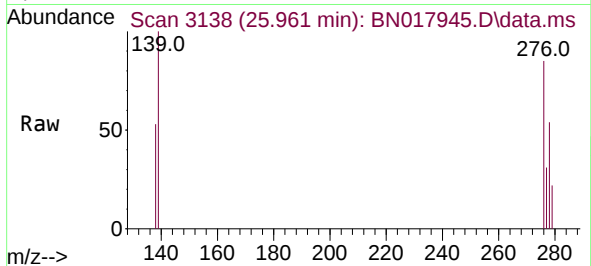




#36
Indeno(1,2,3-cd)pyrene
Concen: 0.122 ng
RT: 25.961 min Scan# 3138
Delta R.T. -0.000 min
Lab File: BN017945.D
Acq: 12 Dec 2021 17:53

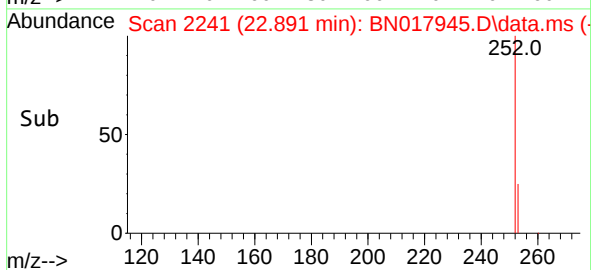
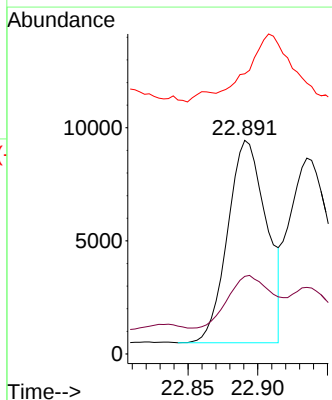
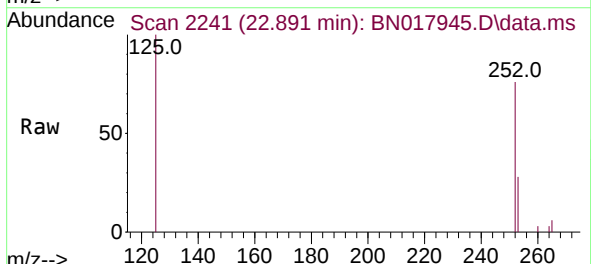
Instrument :
BNA_N
ClientSampleId :
RE109D2-20211207

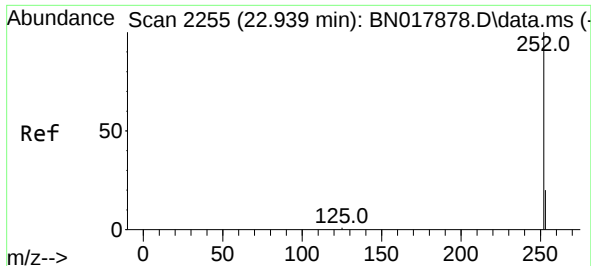
Tgt Ion:276 Resp: 7125
Ion Ratio Lower Upper
276 100
138 0.0 15.2 22.8#
277 25.2 19.8 29.6



#37
Benzo(b)fluoranthene
Concen: 0.052 ng
RT: 22.891 min Scan# 2241
Delta R.T. -0.003 min
Lab File: BN017945.D
Acq: 12 Dec 2021 17:53

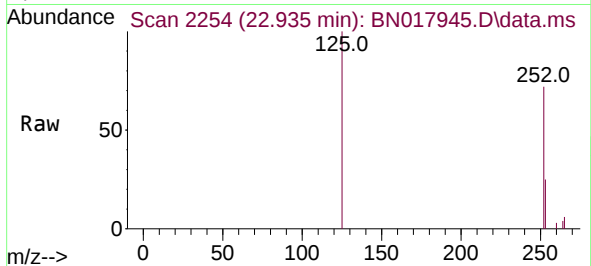
Tgt Ion:252 Resp: 17377
Ion Ratio Lower Upper
252 100
253 36.3 17.9 26.9#
125 131.2 6.8 10.2#



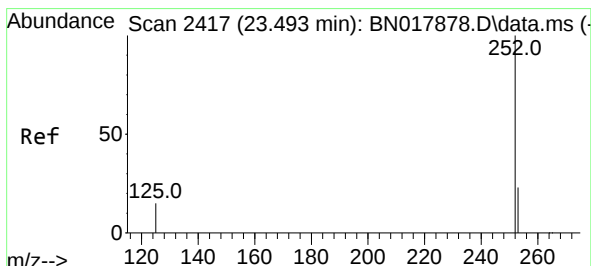
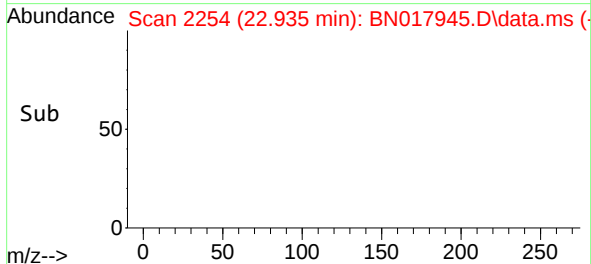
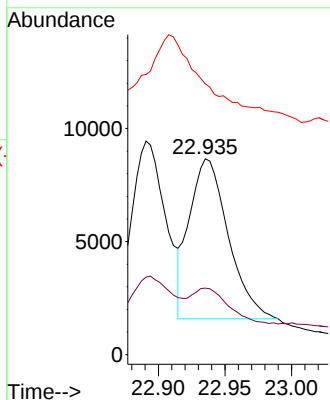


#38
Benzo(k)fluoranthene
Concen: 0.044 ng
RT: 22.935 min Scan# 21
Delta R.T. -0.003 min
Lab File: BN017945.D
Acq: 12 Dec 2021 17:53

Instrument :
BNA_N
ClientSampleId :
RE109D2-20211207

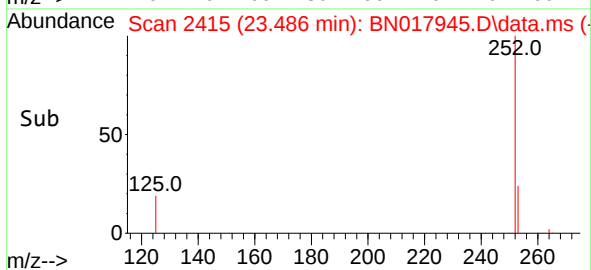
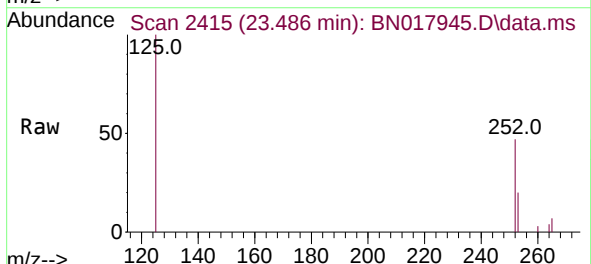
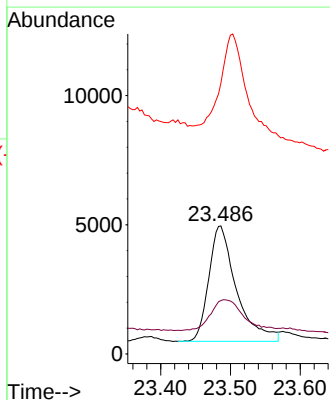


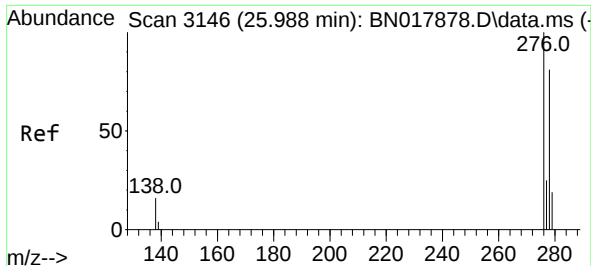
Tgt Ion:252 Resp: 14378
Ion Ratio Lower Upper
252 100
253 34.0 17.8 26.6#
125 138.3 6.1 9.1#



#39
Benzo(a)pyrene
Concen: 0.041 ng
RT: 23.486 min Scan# 2415
Delta R.T. -0.007 min
Lab File: BN017945.D
Acq: 12 Dec 2021 17:53

Tgt Ion:252 Resp: 12301
Ion Ratio Lower Upper
252 100
253 41.8 18.8 28.2#
125 211.6 12.2 18.2#

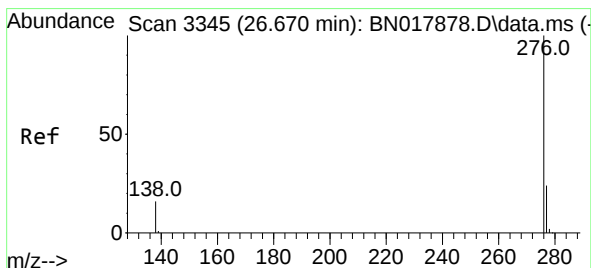
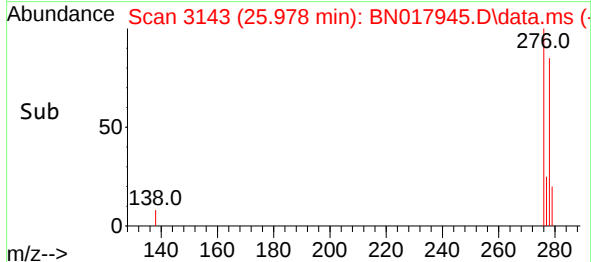
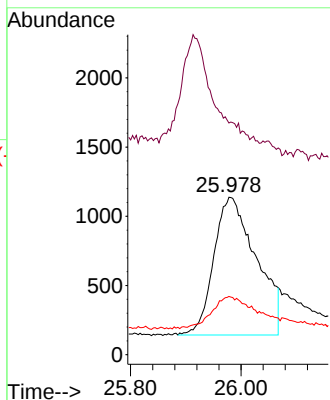
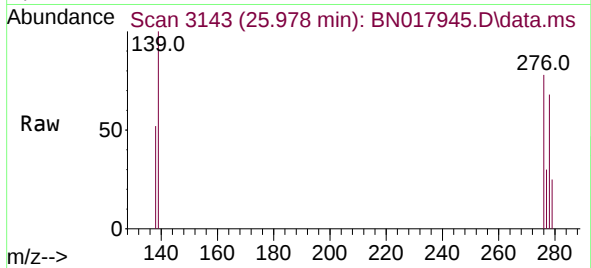




#40
Dibenzo(a,h)anthracene
Concen: 0.137 ng
RT: 25.978 min Scan# 3146
Delta R.T. -0.010 min
Lab File: BN017945.D
Acq: 12 Dec 2021 17:53

Instrument :
BNA_N
ClientSampleId :
RE109D2-20211207

Tgt Ion:278 Resp: 5328
Ion Ratio Lower Upper
278 100
139 147.1 12.0 18.0#
279 37.0 20.8 31.2#



#41
Benzo(g,h,i)perylene
Concen: 0.052 ng
RT: 26.673 min Scan# 3346
Delta R.T. 0.003 min
Lab File: BN017945.D
Acq: 12 Dec 2021 17:53

Tgt Ion:276 Resp: 8440
Ion Ratio Lower Upper
276 100
277 33.0 19.6 29.4#
138 47.0 13.8 20.8#

