

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121121\
 Data File : BN017944.D
 Acq On : 12 Dec 2021 17:17
 Operator : CG/JU
 Sample : M4988-05
 Misc :
 ALS Vial : 69 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RE104D3-20211207

Quant Time: Dec 13 00:40:52 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)

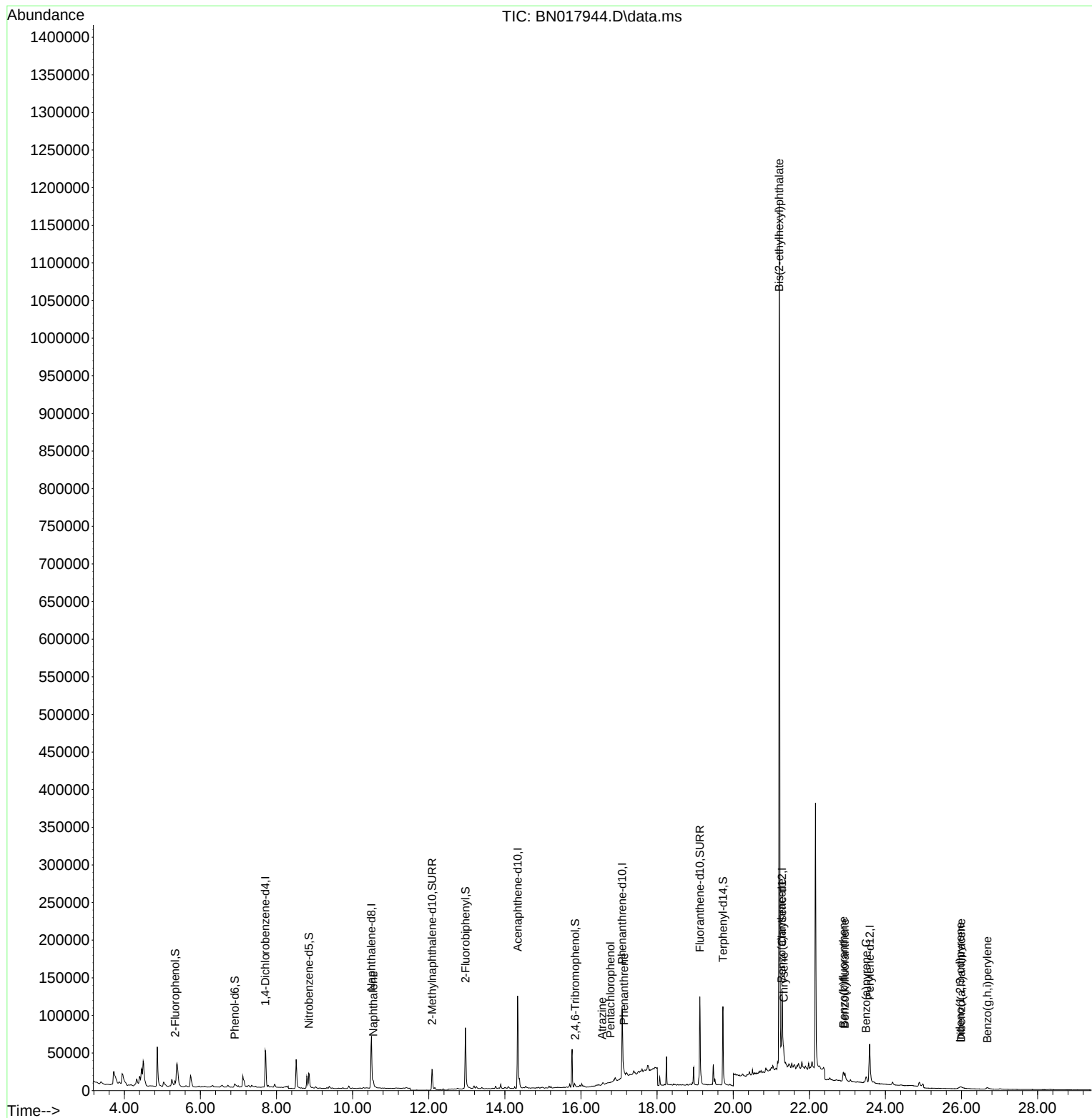
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.706	152	29431	0.400	ng	0.00
7) Naphthalene-d8	10.494	136	115411	0.400	ng	0.00
13) Acenaphthene-d10	14.335	164	79353	0.400	ng	0.00
19) Phenanthrene-d10	17.080	188	155152	0.400	ng	#-0.01
29) Chrysene-d12	21.282	240	113879	0.400	ng	#-0.01
35) Perylene-d12	23.586	264	88097	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.336	112	8034	0.132	ng	0.00
5) Phenol-d6	6.903	99	4338	0.072	ng	0.00
8) Nitrobenzene-d5	8.846	82	22092	0.293	ng	-0.01
11) 2-Methylnaphthalene-d10	12.085	152	49782	0.245	ng	0.00
14) 2,4,6-Tribromophenol	15.844	330	3809	0.421	ng	0.00
15) 2-Fluorobiphenyl	12.964	172	81574	0.292	ng	0.00
27) Fluoranthene-d10	19.124	212	157156	0.312	ng	0.00
31) Terphenyl-d14	19.730	244	125051	0.445	ng	0.00
Target Compounds						
9) Naphthalene	10.545	128	9925	0.035	ng	# 95
20) 4,6-Dinitro-2-methylph...	15.464	198	9	Below Cal		# 16
23) Atrazine	16.557	200	250	0.095	ng	# 7
24) Pentachlorophenol	16.776	266	79	0.116	ng	# 17
25) Phenanthrene	17.129	178	9135	0.023	ng	# 50
32) Benzo(a)anthracene	21.272	228	20059	0.105	ng	# 88
33) Chrysene	21.325	228	21670	0.058	ng	# 93
34) Bis(2-ethylhexyl)phtha...	21.208	149	1168689	9.559	ng	98
36) Indeno(1,2,3-cd)pyrene	25.965	276	6574	0.124	ng	# 80
37) Benzo(b)fluoranthene	22.894	252	16523	0.057	ng	# 1
38) Benzo(k)fluoranthene	22.935	252	14263	0.050	ng	# 1
39) Benzo(a)pyrene	23.486	252	14161	0.055	ng	# 1
40) Dibenzo(a,h)anthracene	25.989	278	4234	0.134	ng	# 1
41) Benzo(g,h,i)perylene	26.680	276	7816	0.056	ng	# 66

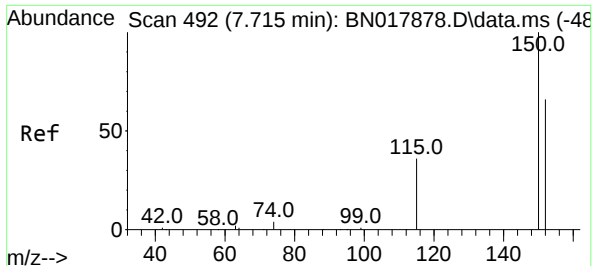
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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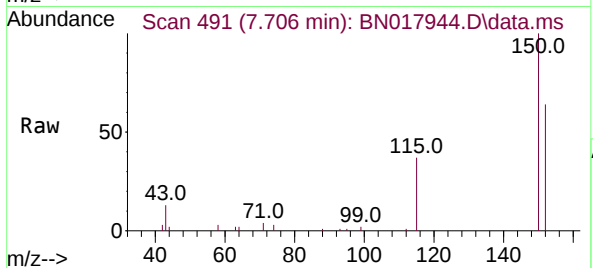
Quant Time: Dec 13 00:40:52 2021
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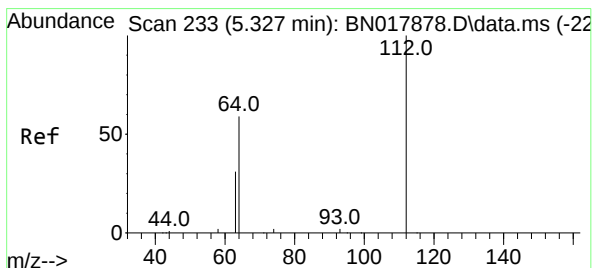
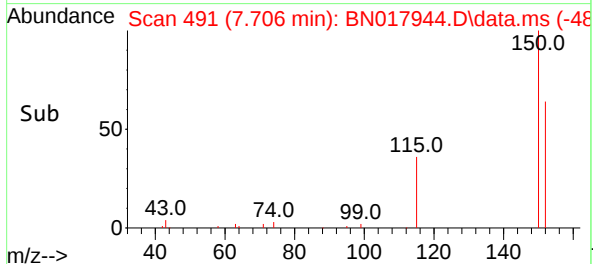
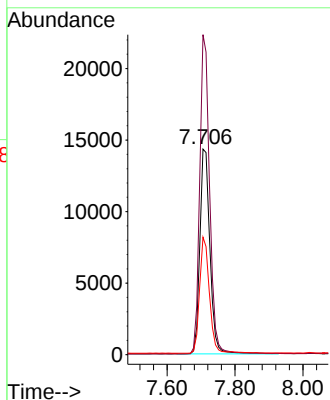


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.706 min Scan# 491
Delta R.T. -0.009 min
Lab File: BN017944.D
Acq: 12 Dec 2021 17:17

Instrument :
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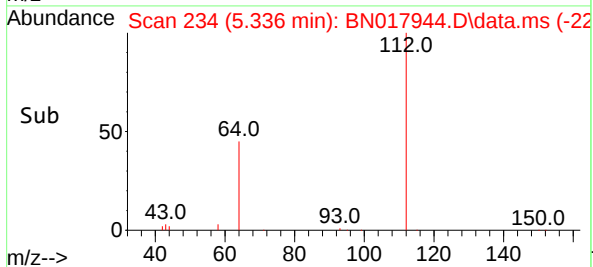
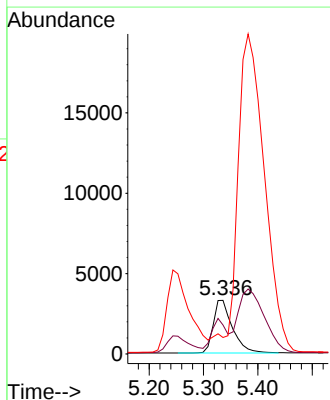
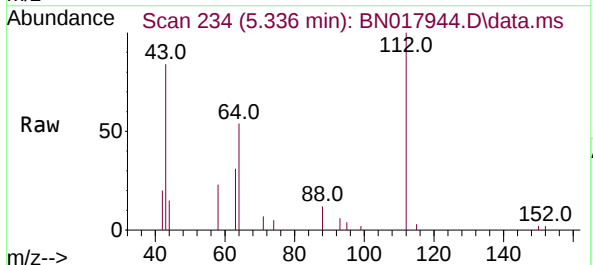


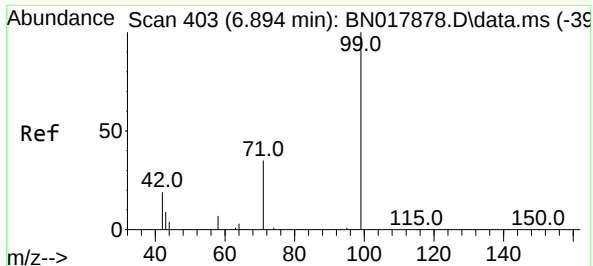
Tgt Ion:152 Resp: 29431
Ion Ratio Lower Upper
152 100
150 155.6 121.9 182.9
115 57.2 44.1 66.1



#4
2-Fluorophenol
Concen: 0.132 ng
RT: 5.336 min Scan# 234
Delta R.T. 0.009 min
Lab File: BN017944.D
Acq: 12 Dec 2021 17:17

Tgt Ion:112 Resp: 8034
Ion Ratio Lower Upper
112 100
64 39.7 49.0 73.4#
63 0.0 26.2 39.2#

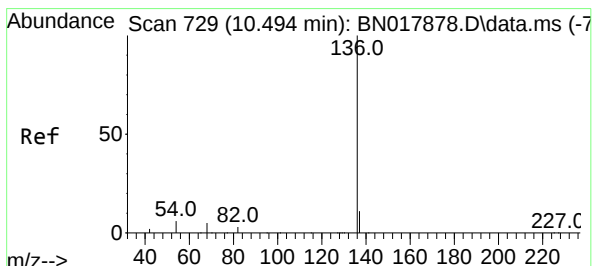
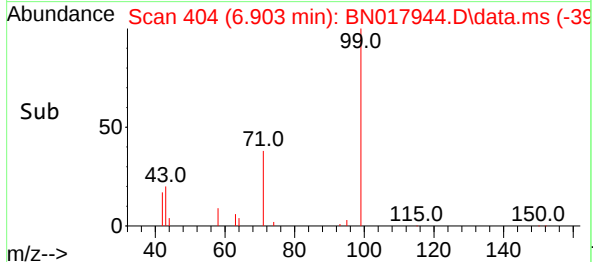
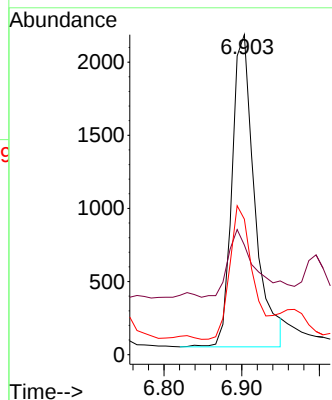
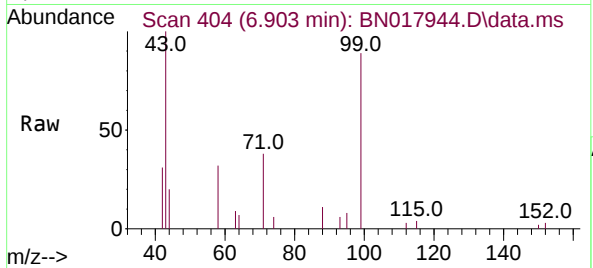




#5
Phenol-d6
Concen: 0.072 ng
RT: 6.903 min Scan# 403
Delta R.T. 0.009 min
Lab File: BN017944.D
Acq: 12 Dec 2021 17:17

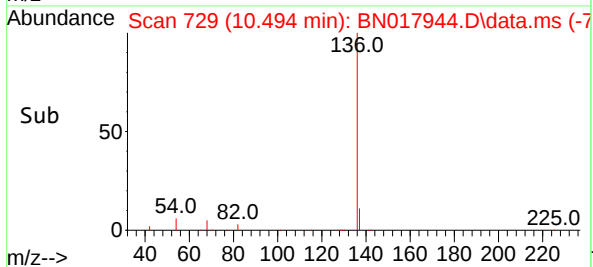
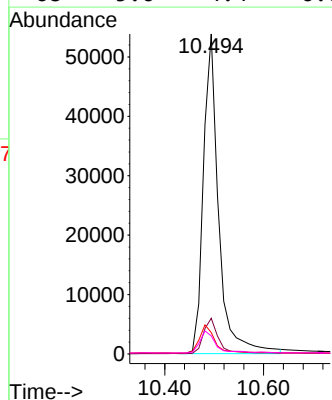
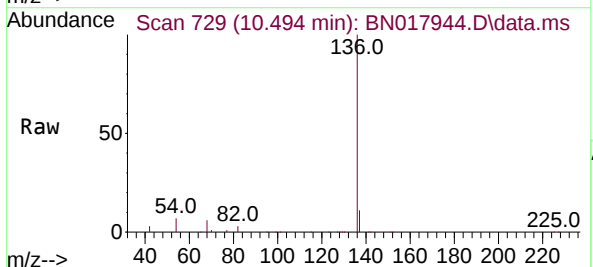
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BNA_N
ClientSampleId :
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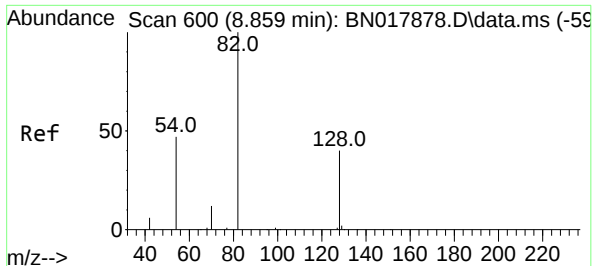
Tgt Ion: 99 Resp: 4338
Ion Ratio Lower Upper
99 100
42 24.2 17.0 25.4
71 44.4 28.0 42.0#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.494 min Scan# 729
Delta R.T. 0.000 min
Lab File: BN017944.D
Acq: 12 Dec 2021 17:17

Tgt Ion: 136 Resp: 115411
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 6.7 5.1 7.7
68 5.6 4.4 6.6

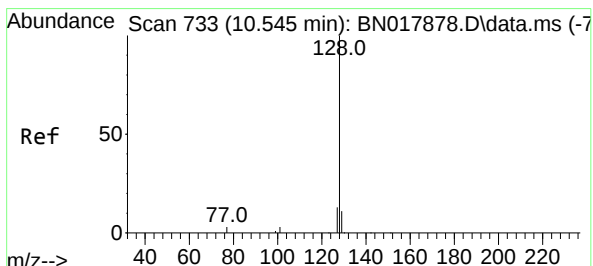
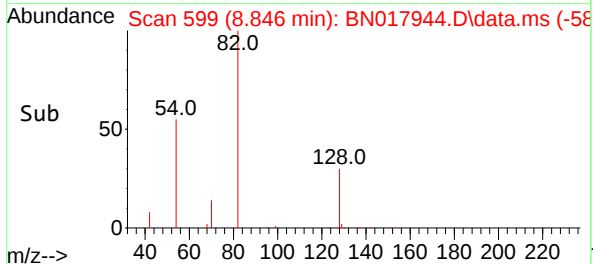
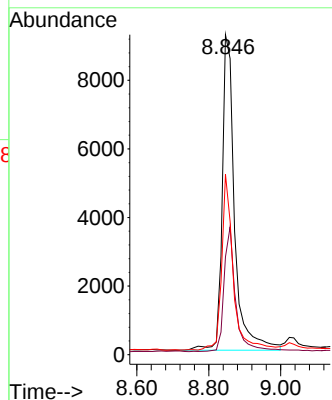
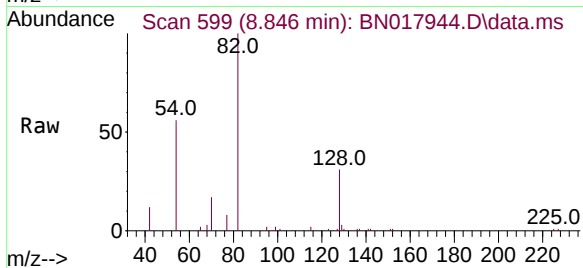




#8
Nitrobenzene-d5
Concen: 0.293 ng
RT: 8.846 min Scan# 51
Delta R.T. -0.013 min
Lab File: BN017944.D
Acq: 12 Dec 2021 17:17

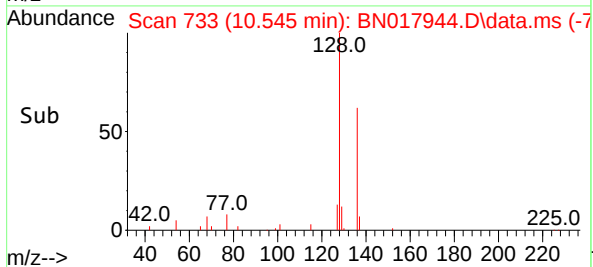
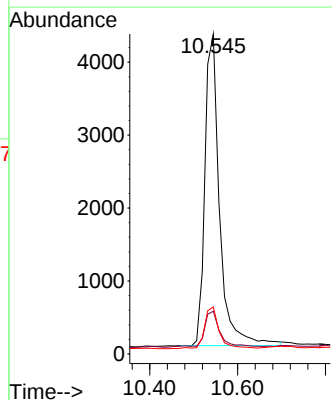
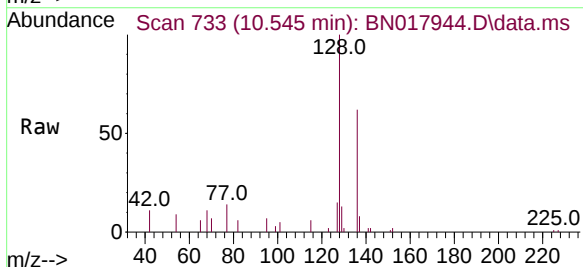
Instrument :
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ClientSampleId :
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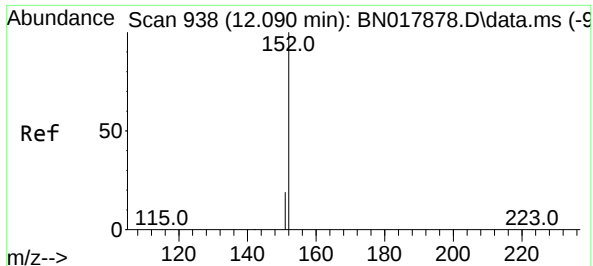
Tgt Ion: 82 Resp: 22092
Ion Ratio Lower Upper
82 100
128 30.6 32.2 48.4#
54 56.4 37.6 56.4



#9
Naphthalene
Concen: 0.035 ng
RT: 10.545 min Scan# 733
Delta R.T. -0.000 min
Lab File: BN017944.D
Acq: 12 Dec 2021 17:17

Tgt Ion: 128 Resp: 9925
Ion Ratio Lower Upper
128 100
129 13.3 8.8 13.2#
127 14.7 10.5 15.7

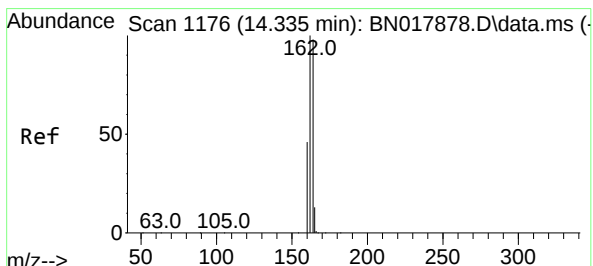
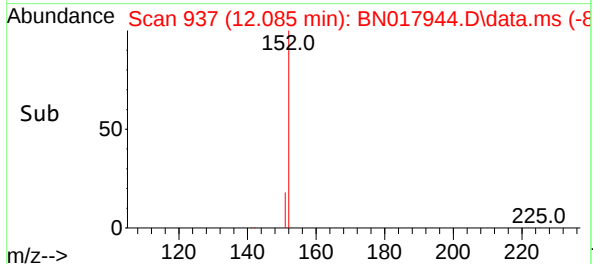
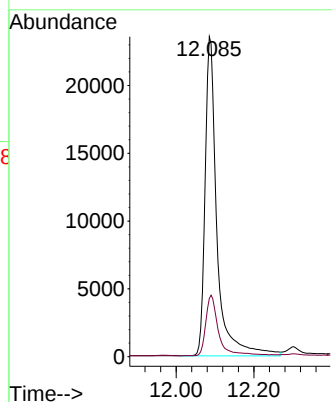
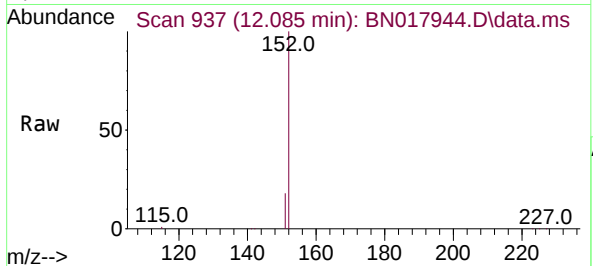




#11
2-Methylnaphthalene-d10
Concen: 0.245 ng
RT: 12.085 min Scan# 91
Delta R.T. -0.004 min
Lab File: BN017944.D
Acq: 12 Dec 2021 17:17

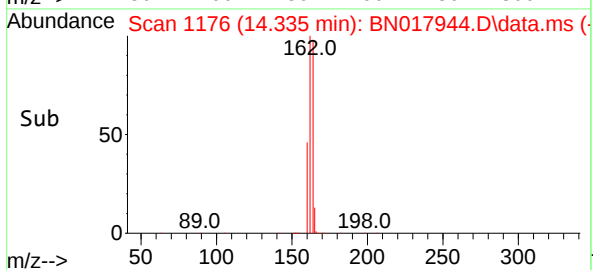
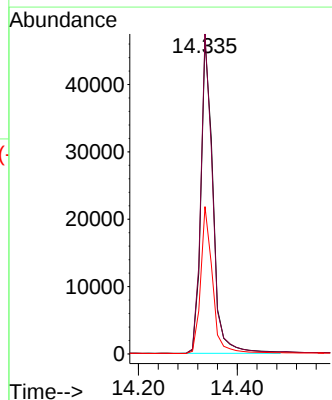
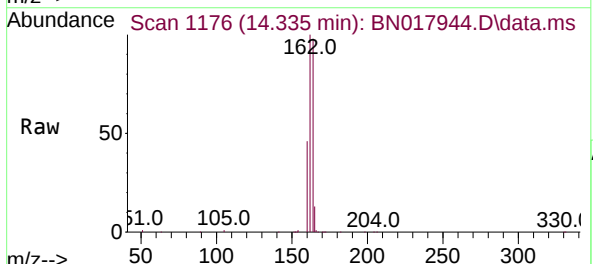
Instrument :
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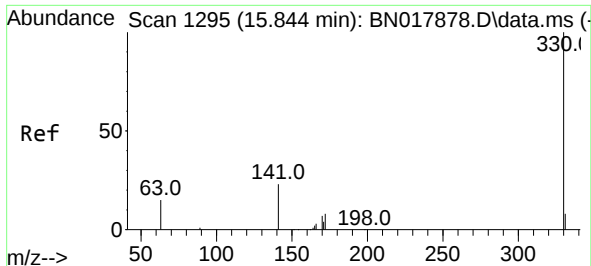
Tgt Ion:152 Resp: 49782
Ion Ratio Lower Upper
152 100
151 20.4 16.4 24.6



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.335 min Scan# 1176
Delta R.T. 0.000 min
Lab File: BN017944.D
Acq: 12 Dec 2021 17:17

Tgt Ion:164 Resp: 79353
Ion Ratio Lower Upper
164 100
162 101.8 82.1 123.1
160 46.9 38.2 57.2

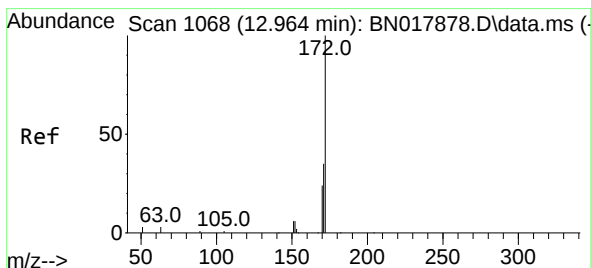
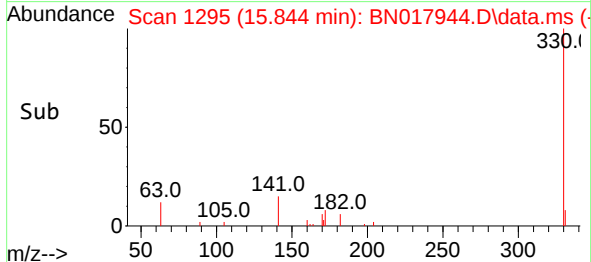
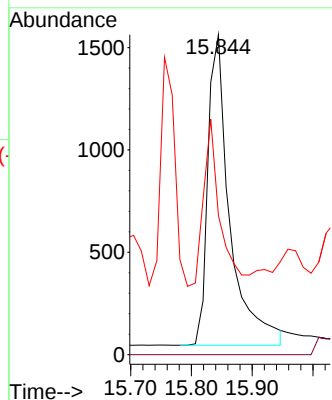
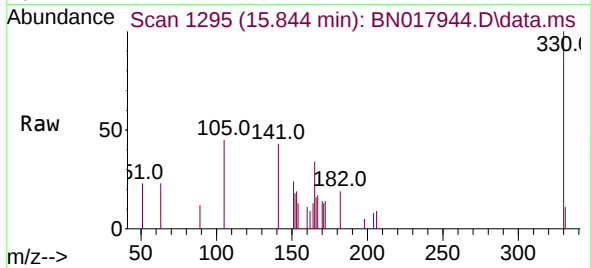




#14
2,4,6-Tribromophenol
Concen: 0.421 ng
RT: 15.844 min Scan# 1295
Delta R.T. 0.000 min
Lab File: BN017944.D
Acq: 12 Dec 2021 17:17

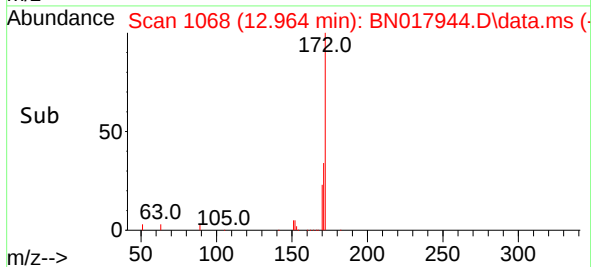
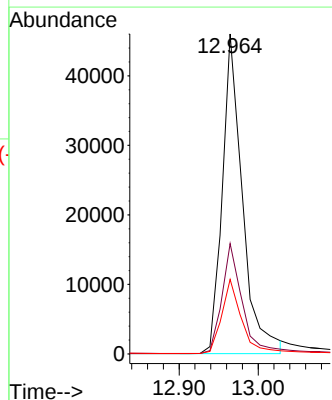
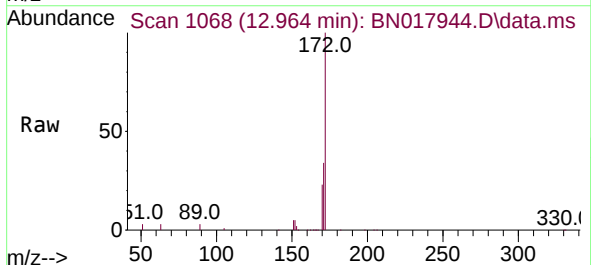
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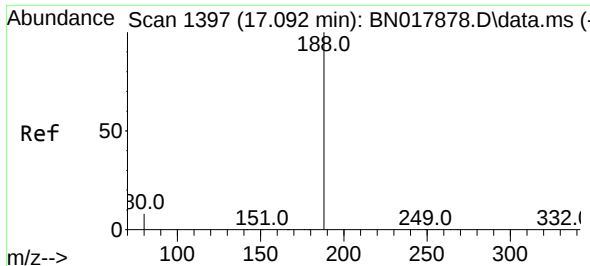
Tgt Ion: 330 Resp: 3809
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 40.2 19.7 29.5#



#15
2-Fluorobiphenyl
Concen: 0.292 ng
RT: 12.964 min Scan# 1068
Delta R.T. 0.000 min
Lab File: BN017944.D
Acq: 12 Dec 2021 17:17

Tgt Ion: 172 Resp: 81574
Ion Ratio Lower Upper
172 100
171 34.5 28.3 42.5
170 23.3 19.1 28.7

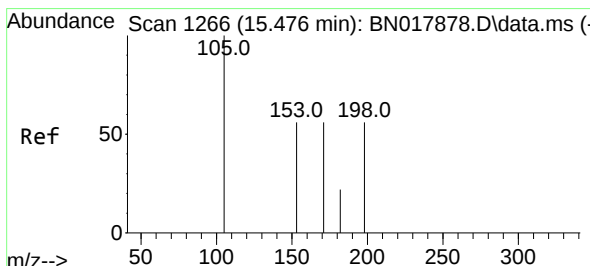
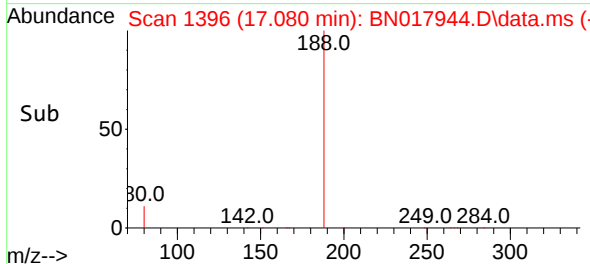
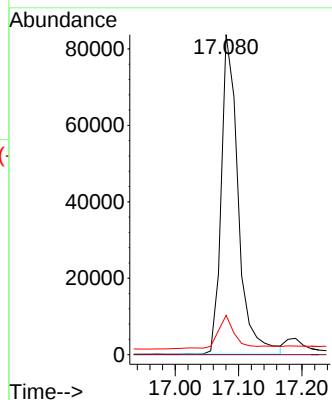
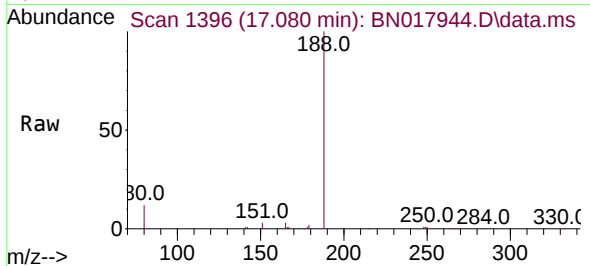




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.080 min Scan# 11
Delta R.T. -0.012 min
Lab File: BN017944.D
Acq: 12 Dec 2021 17:17

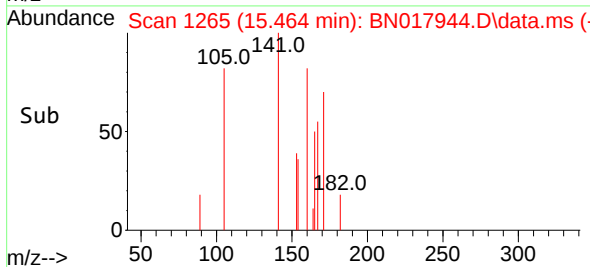
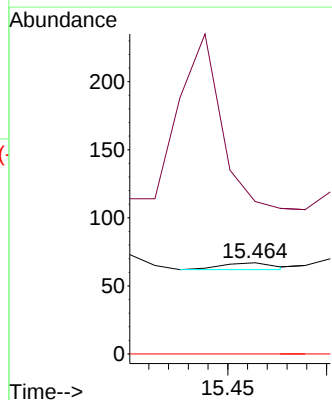
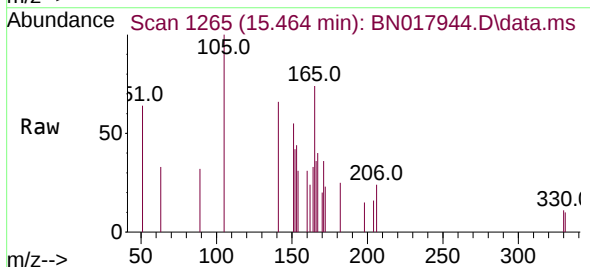
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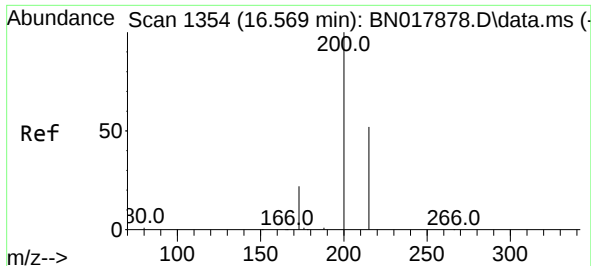
Tgt Ion:188 Resp: 155152
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 12.3 6.2 9.2#



#20
4,6-Dinitro-2-methylphenol
Concen: Below Cal
RT: 15.464 min Scan# 1265
Delta R.T. -0.012 min
Lab File: BN017944.D
Acq: 12 Dec 2021 17:17

Tgt Ion:198 Resp: 9
Ion Ratio Lower Upper
198 100
182 167.2 70.8 106.2#
77 0.0 0.0 0.0

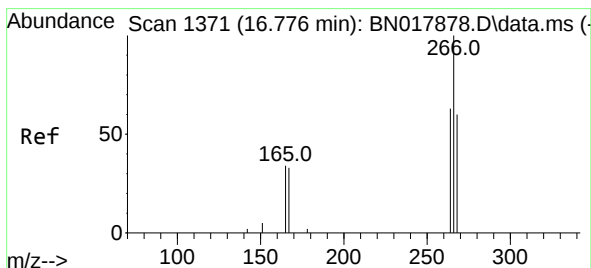
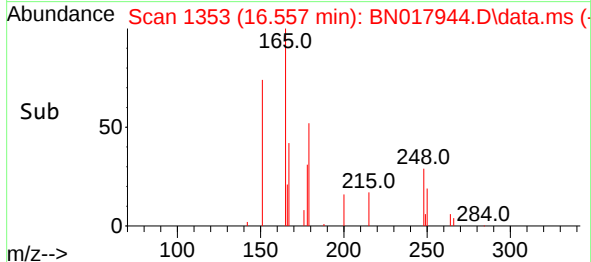
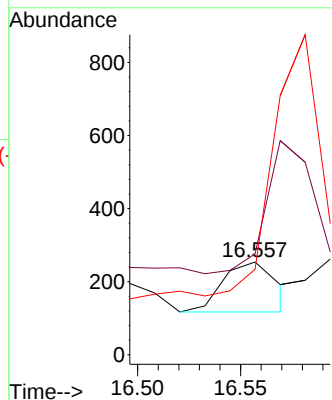
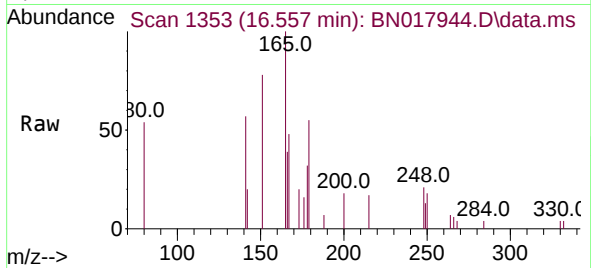




#23
 Atrazine
 Concen: 0.095 ng
 RT: 16.557 min Scan# 1353
 Delta R.T. -0.012 min
 Lab File: BN017944.D
 Acq: 12 Dec 2021 17:17

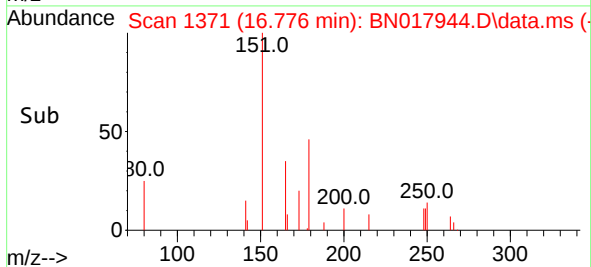
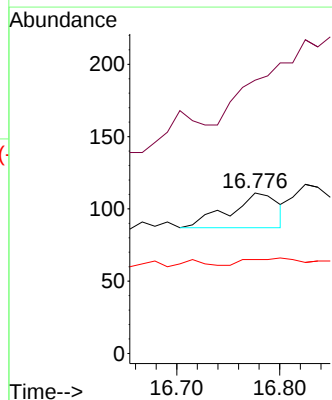
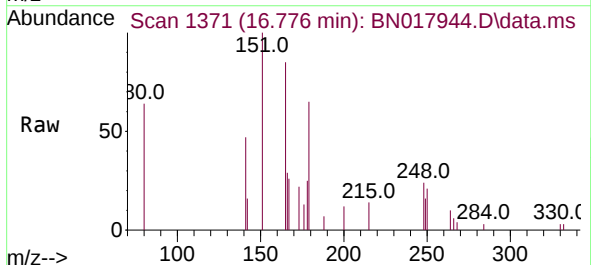
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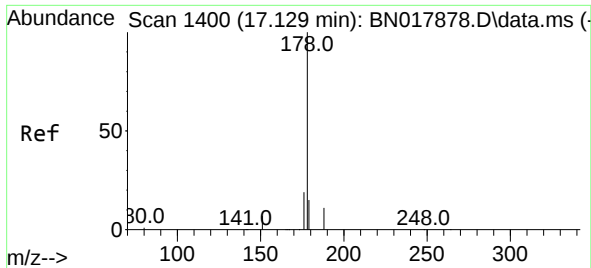
Tgt Ion:200 Resp: 250
 Ion Ratio Lower Upper
 200 100
 173 108.7 18.2 27.2#
 215 92.1 41.8 62.8#



#24
 Pentachlorophenol
 Concen: 0.116 ng
 RT: 16.776 min Scan# 1371
 Delta R.T. 0.000 min
 Lab File: BN017944.D
 Acq: 12 Dec 2021 17:17

Tgt Ion:266 Resp: 79
 Ion Ratio Lower Upper
 266 100
 264 0.0 50.6 76.0#
 268 0.0 53.7 80.5#

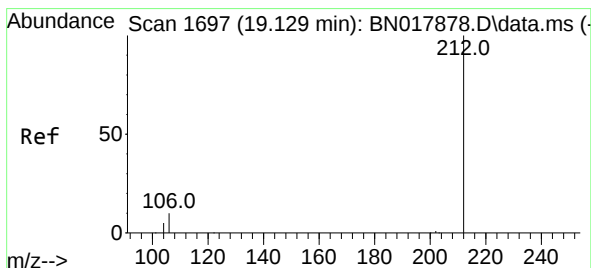
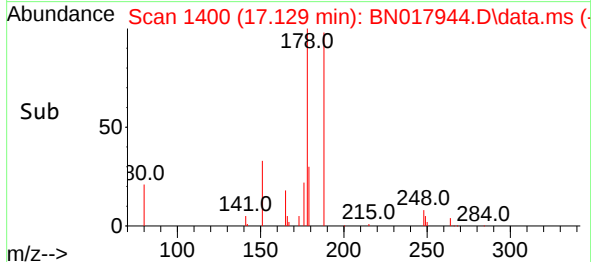
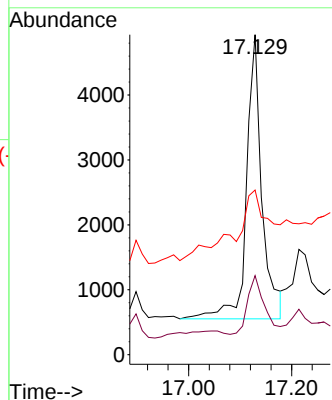
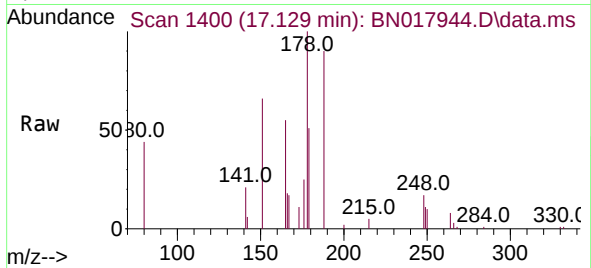




#25
Phenanthrene
Concen: 0.023 ng
RT: 17.129 min Scan# 1400
Delta R.T. 0.000 min
Lab File: BN017944.D
Acq: 12 Dec 2021 17:17

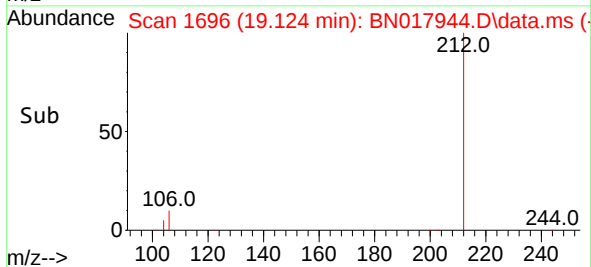
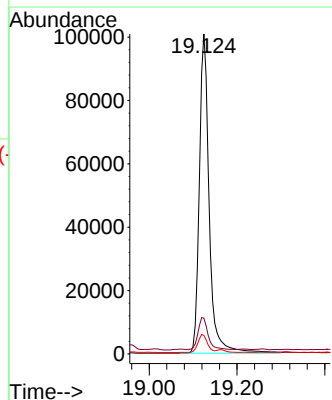
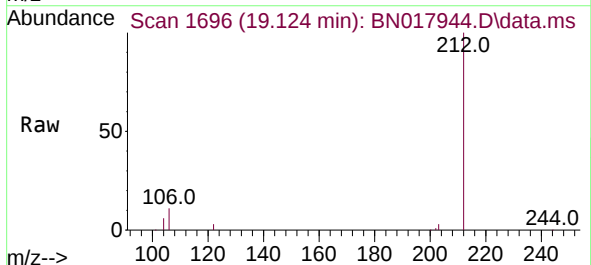
Instrument :
BNA_N
ClientSampleId :
RE104D3-20211207

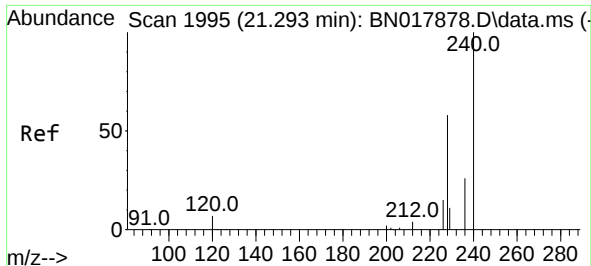
Tgt Ion:178 Resp: 9135
Ion Ratio Lower Upper
178 100
176 22.8 15.0 22.6#
179 57.5 12.4 18.6#



#27
Fluoranthene-d10
Concen: 0.312 ng
RT: 19.124 min Scan# 1696
Delta R.T. -0.005 min
Lab File: BN017944.D
Acq: 12 Dec 2021 17:17

Tgt Ion:212 Resp: 157156
Ion Ratio Lower Upper
212 100
106 10.2 8.3 12.5
104 5.5 4.6 6.8

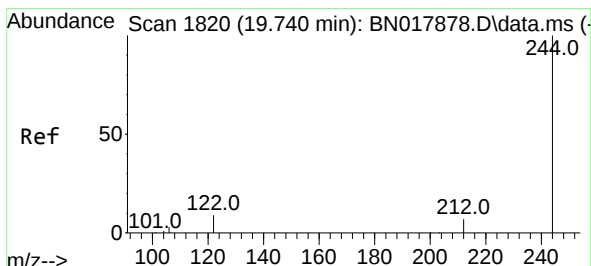
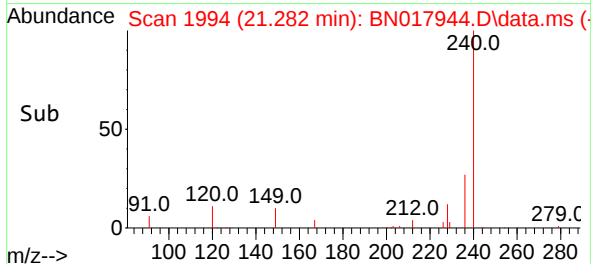
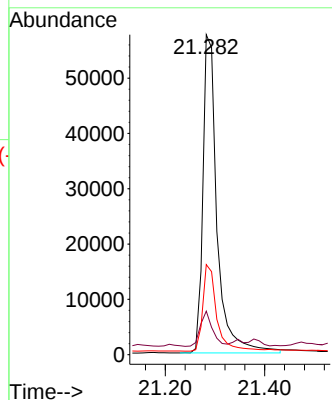
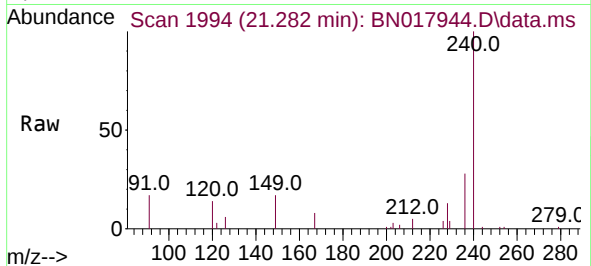




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.282 min Scan# 1994
Delta R.T. -0.011 min
Lab File: BN017944.D
Acq: 12 Dec 2021 17:17

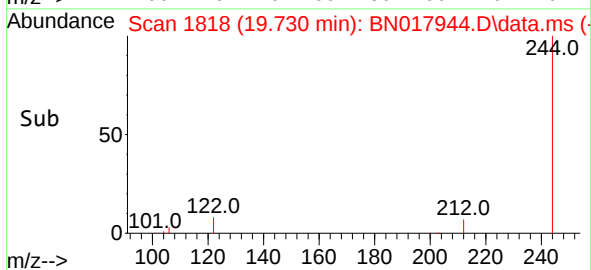
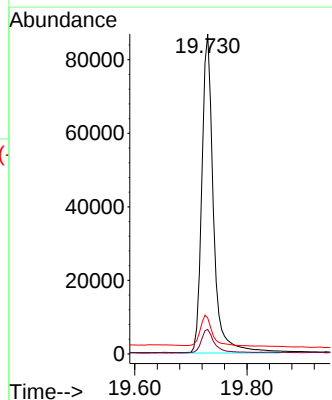
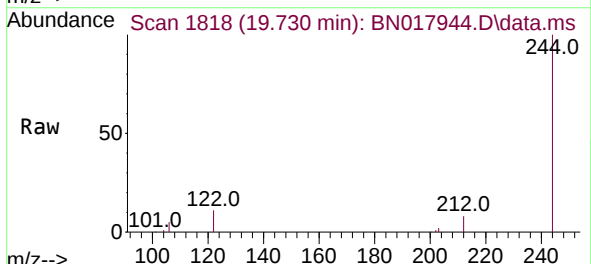
Instrument :
BNA_N
ClientSampleId :
RE104D3-20211207

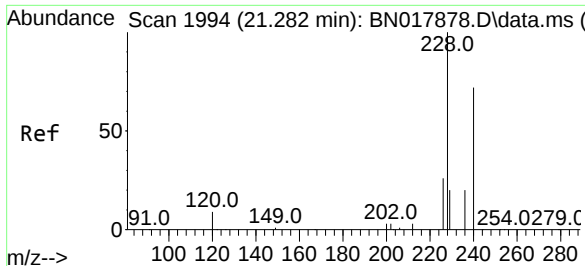
Tgt Ion:240 Resp: 113879
Ion Ratio Lower Upper
240 100
120 13.6 5.8 8.8#
236 28.2 21.0 31.6



#31
Terphenyl-d14
Concen: 0.445 ng
RT: 19.730 min Scan# 1818
Delta R.T. -0.010 min
Lab File: BN017944.D
Acq: 12 Dec 2021 17:17

Tgt Ion:244 Resp: 125051
Ion Ratio Lower Upper
244 100
212 7.7 6.2 9.2
122 11.2 7.5 11.3

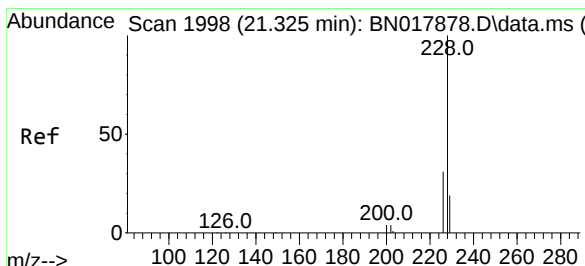
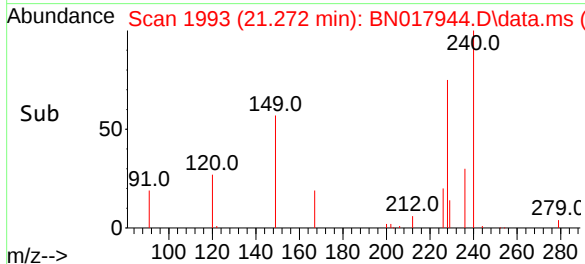
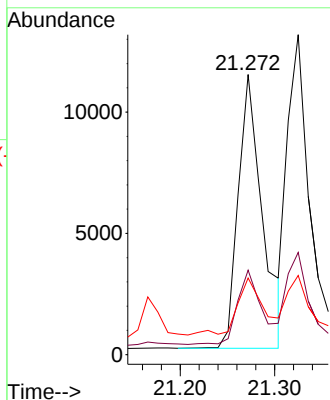
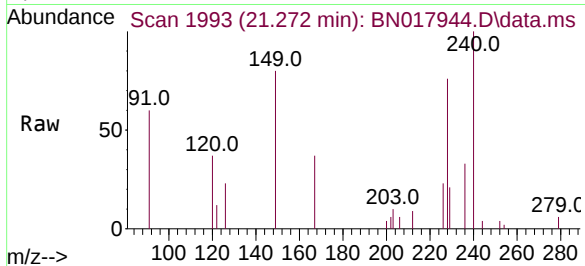




#32
Benzo(a)anthracene
Concen: 0.105 ng
RT: 21.272 min Scan# 1993
Delta R.T. -0.010 min
Lab File: BN017944.D
Acq: 12 Dec 2021 17:17

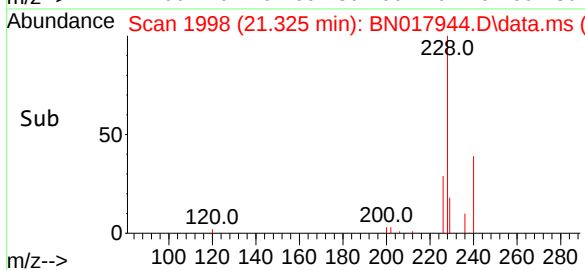
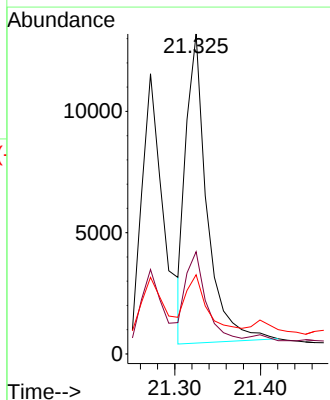
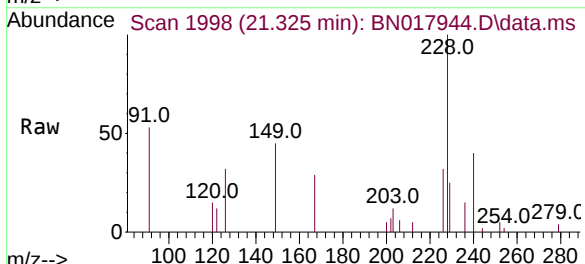
Instrument :
BNA_N
ClientSampleId :
RE104D3-20211207

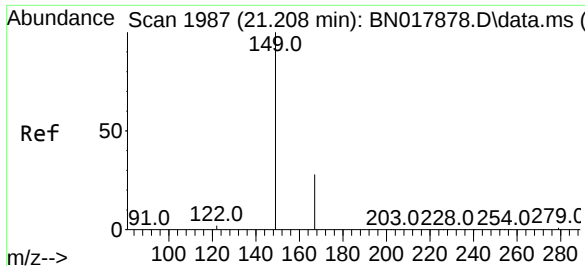
Tgt Ion:228 Resp: 20059
Ion Ratio Lower Upper
228 100
226 30.2 21.0 31.4
229 27.4 15.8 23.8#



#33
Chrysene
Concen: 0.058 ng
RT: 21.325 min Scan# 1998
Delta R.T. -0.000 min
Lab File: BN017944.D
Acq: 12 Dec 2021 17:17

Tgt Ion:228 Resp: 21670
Ion Ratio Lower Upper
228 100
226 31.9 23.8 35.8
229 24.8 15.6 23.4#

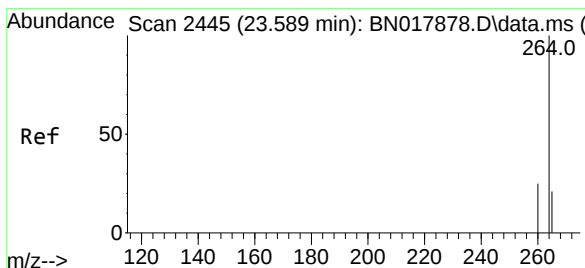
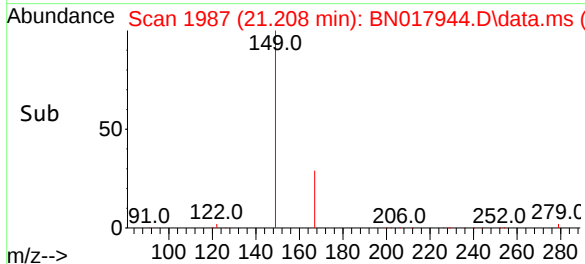
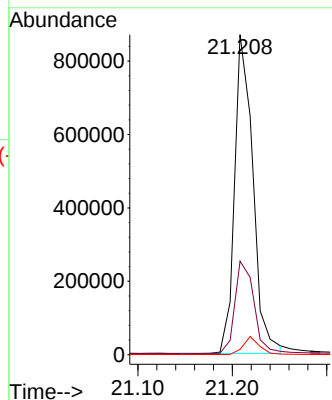
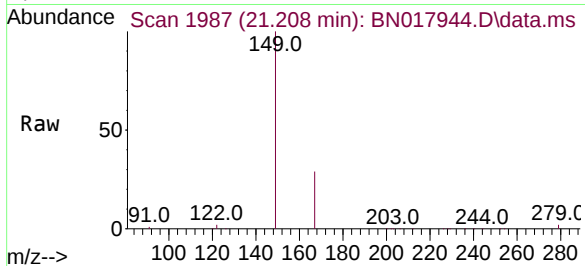




#34
Bis(2-ethylhexyl)phthalate
Concen: 9.559 ng
RT: 21.208 min Scan# 1987
Delta R.T. 0.000 min
Lab File: BN017944.D
Acq: 12 Dec 2021 17:17

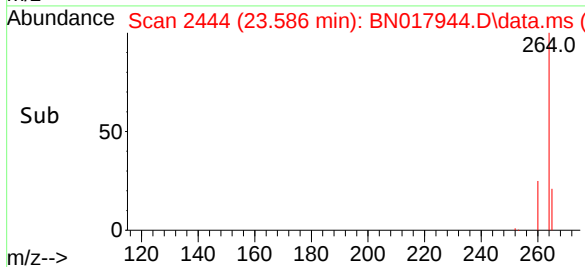
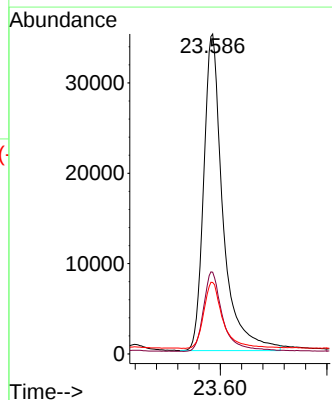
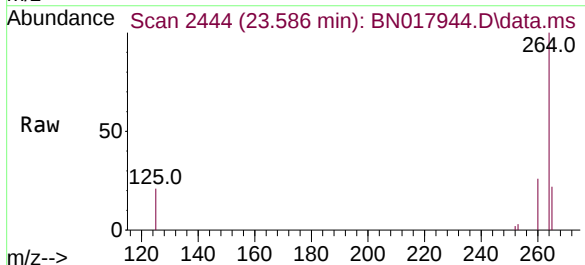
Instrument :
BNA_N
ClientSampleId :
RE104D3-20211207

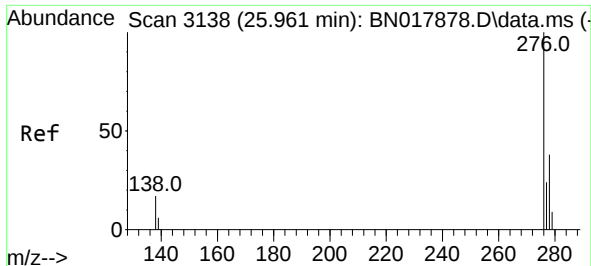
Tgt Ion:149 Resp: 1168689
Ion Ratio Lower Upper
149 100
167 30.2 23.4 35.0
279 5.0 3.6 5.4



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.586 min Scan# 2444
Delta R.T. -0.003 min
Lab File: BN017944.D
Acq: 12 Dec 2021 17:17

Tgt Ion:264 Resp: 88097
Ion Ratio Lower Upper
264 100
260 25.6 20.2 30.4
265 22.3 18.2 27.4

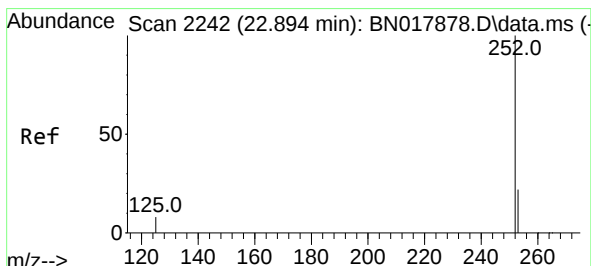
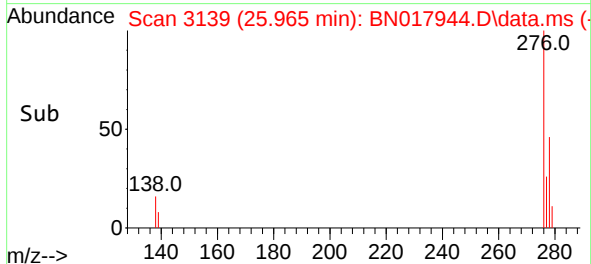
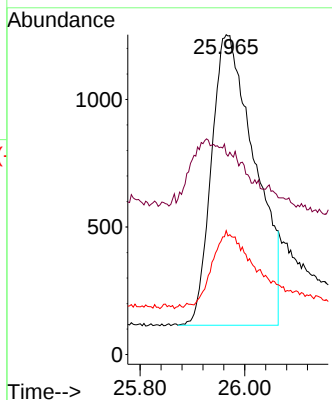
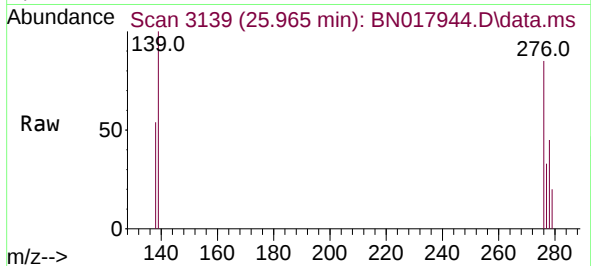




#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.124 ng
 RT: 25.965 min Scan# 3138
 Delta R.T. 0.004 min
 Lab File: BN017944.D
 Acq: 12 Dec 2021 17:17

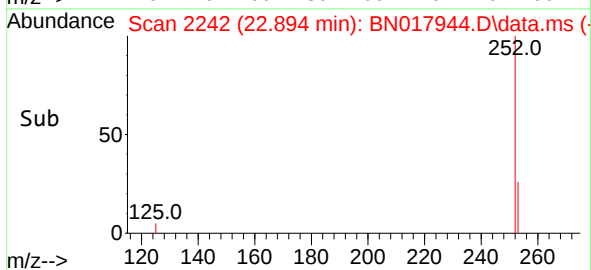
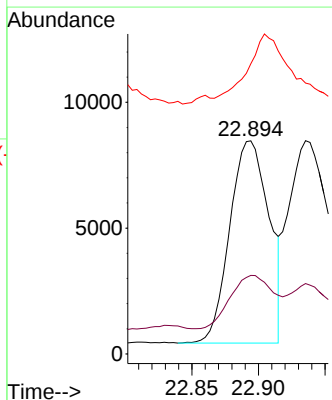
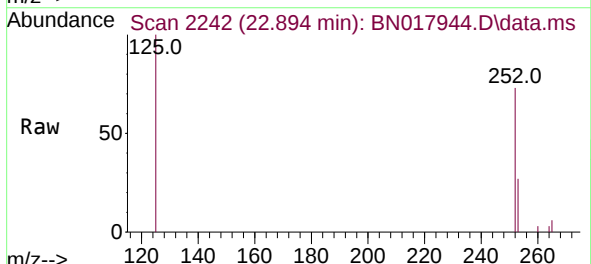
Instrument :
 BNA_N
 ClientSampleId :
 RE104D3-20211207

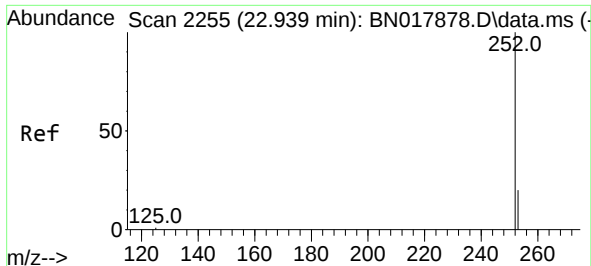
Tgt Ion:276 Resp: 6574
 Ion Ratio Lower Upper
 276 100
 138 0.0 15.2 22.8#
 277 23.4 19.8 29.6



#37
 Benzo(b)fluoranthene
 Concen: 0.057 ng
 RT: 22.894 min Scan# 2242
 Delta R.T. 0.000 min
 Lab File: BN017944.D
 Acq: 12 Dec 2021 17:17

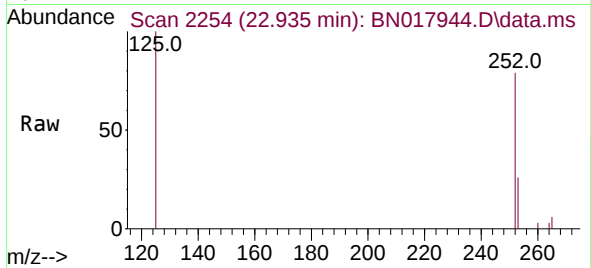
Tgt Ion:252 Resp: 16523
 Ion Ratio Lower Upper
 252 100
 253 36.9 17.9 26.9#
 125 136.2 6.8 10.2#



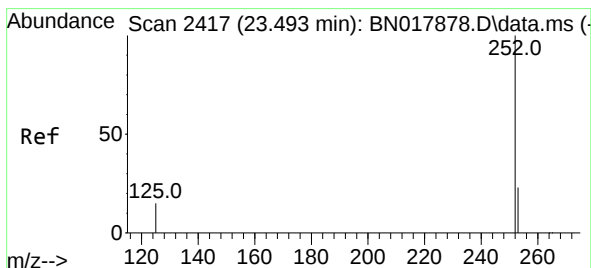
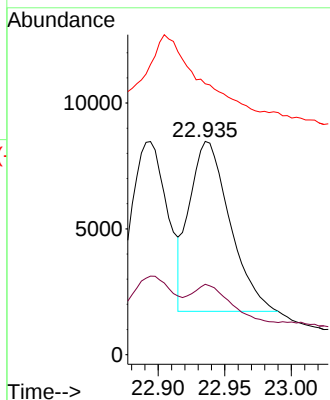


#38
Benzo(k)fluoranthene
Concen: 0.050 ng
RT: 22.935 min Scan# 21
Delta R.T. -0.003 min
Lab File: BN017944.D
Acq: 12 Dec 2021 17:17

Instrument :
BNA_N
ClientSampleId :
RE104D3-20211207

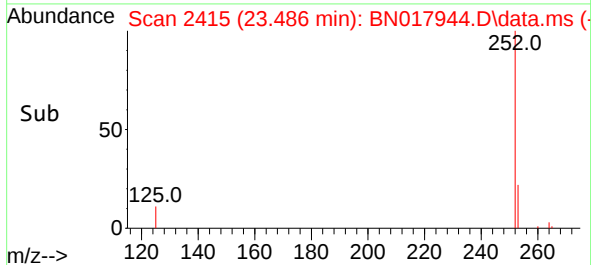
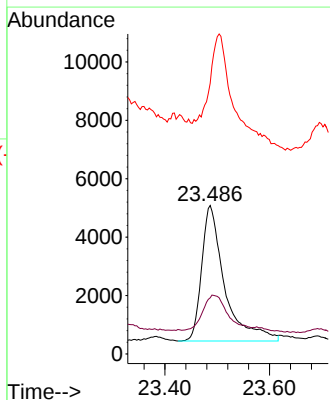
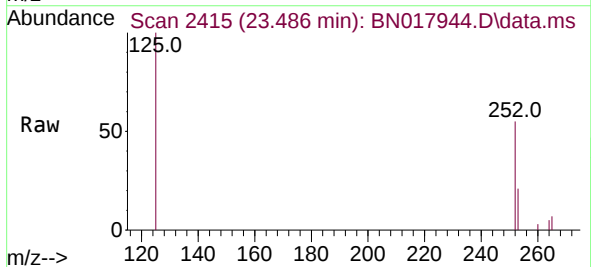


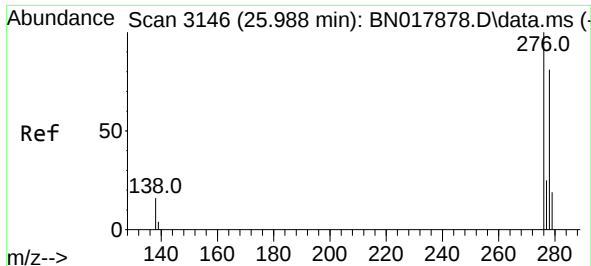
Tgt Ion:252 Resp: 14263
Ion Ratio Lower Upper
252 100
253 33.0 17.8 26.6#
125 127.1 6.1 9.1#



#39
Benzo(a)pyrene
Concen: 0.055 ng
RT: 23.486 min Scan# 2415
Delta R.T. -0.007 min
Lab File: BN017944.D
Acq: 12 Dec 2021 17:17

Tgt Ion:252 Resp: 14161
Ion Ratio Lower Upper
252 100
253 37.8 18.8 28.2#
125 182.3 12.2 18.2#

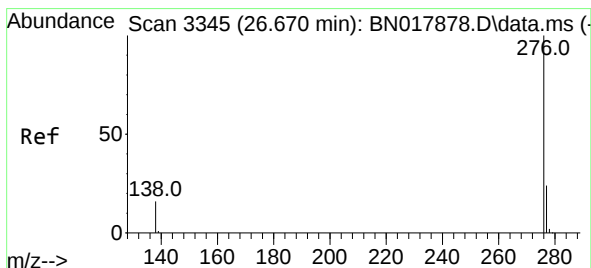
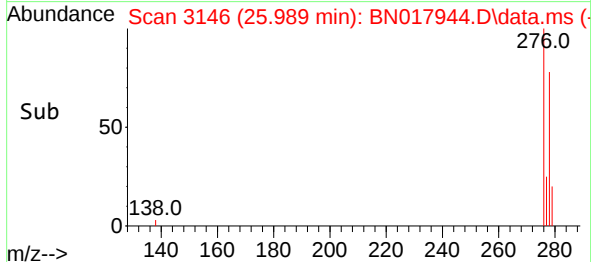
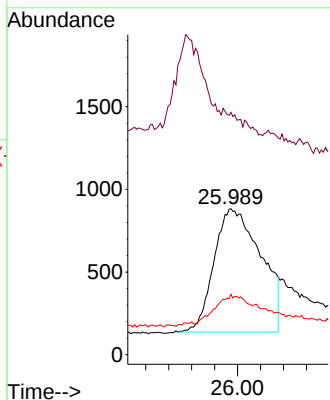
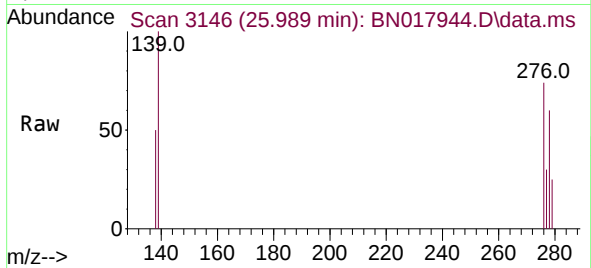




#40
Dibenzo(a,h)anthracene
Concen: 0.134 ng
RT: 25.989 min Scan# 3146
Delta R.T. 0.001 min
Lab File: BN017944.D
Acq: 12 Dec 2021 17:17

Instrument :
BNA_N
ClientSampleId :
RE104D3-20211207

Tgt Ion:278 Resp: 4234
Ion Ratio Lower Upper
278 100
139 166.0 12.0 18.0#
279 41.3 20.8 31.2#



#41
Benzo(g,h,i)perylene
Concen: 0.056 ng
RT: 26.680 min Scan# 3348
Delta R.T. 0.010 min
Lab File: BN017944.D
Acq: 12 Dec 2021 17:17

Tgt Ion:276 Resp: 7816
Ion Ratio Lower Upper
276 100
277 32.3 19.6 29.4#
138 43.9 13.8 20.8#

