

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120621\
 Data File : BN017733.D
 Acq On : 06 Dec 2021 16:17
 Operator : CG/JU
 Sample : PB141179BL
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB141179BL

Quant Time: Dec 06 16:56:55 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN120621.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 06 15:58:05 2021
 Response via : Initial Calibration

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

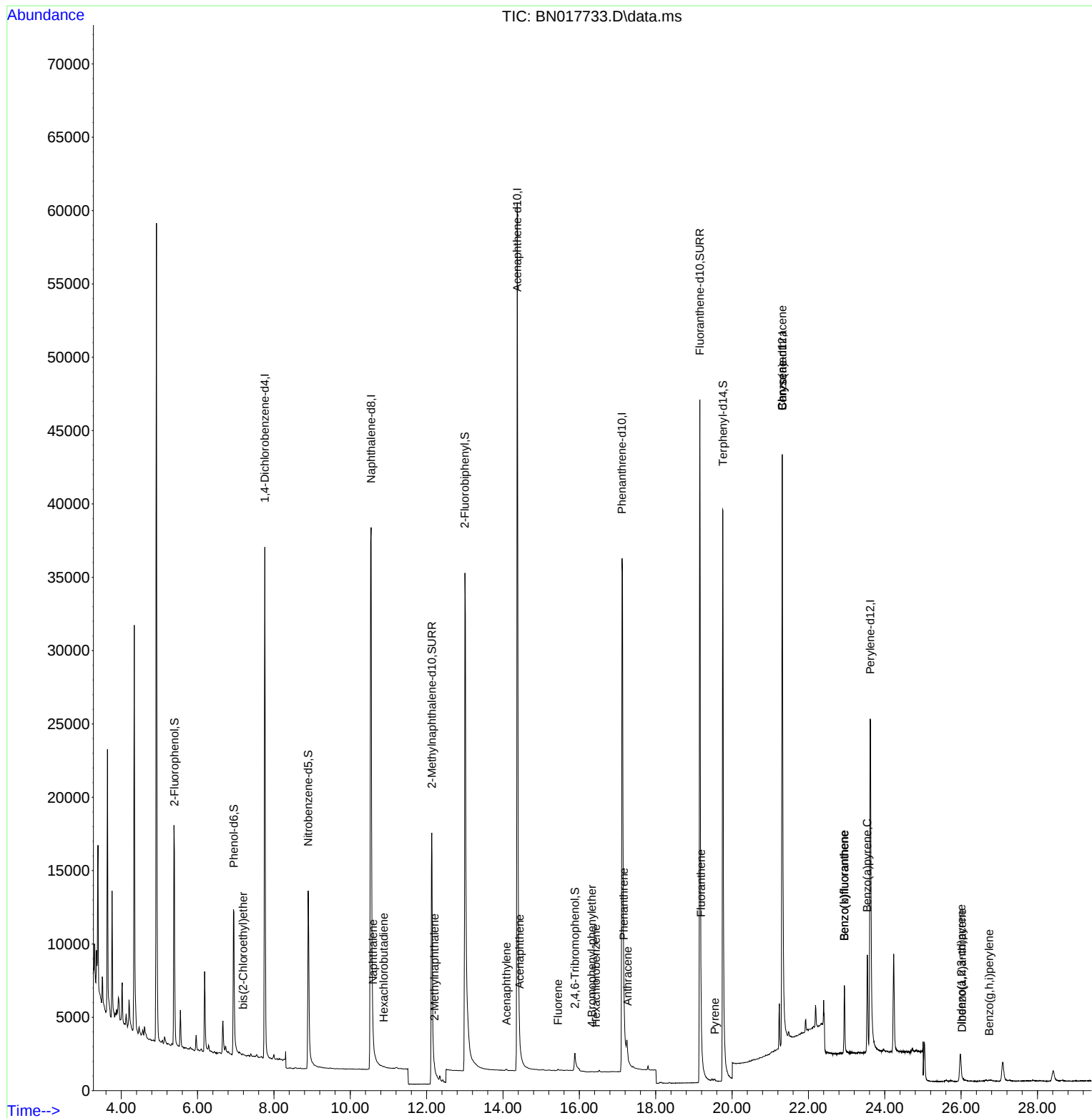
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.761	152	18370	0.400	ng	0.00
7) Naphthalene-d8	10.545	136	72937	0.400	ng	0.01
13) Acenaphthene-d10	14.373	164	44469	0.400	ng	0.00
19) Phenanthrene-d10	17.117	188	86808	0.400	ng	# 0.00
29) Chrysene-d12	21.314	240	57663	0.400	ng	# 0.01
35) Perylene-d12	23.620	264	40032	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.391	112	12483	0.317	ng	0.04
5) Phenol-d6	6.950	99	11033	0.261	ng	0.02
8) Nitrobenzene-d5	8.897	82	13639	0.277	ng	0.00
11) 2-Methylnaphthalene-d10	12.134	152	36596	0.274	ng	0.00
14) 2,4,6-Tribromophenol	15.883	330	1902	0.207	ng	0.01
15) 2-Fluorobiphenyl	13.003	172	46541	0.283	ng	0.00
27) Fluoranthene-d10	19.154	212	78628	0.269	ng	0.00
31) Terphenyl-d14	19.760	244	59977	0.405	ng	0.00
Target Compounds						Qvalue
6) bis(2-Chloroethyl)ether	7.189	93	80	0.002	ng	91
9) Naphthalene	10.596	128	294	0.002	ng	# 34
10) Hexachlorobutadiene	10.874	225	22	0.000	ng	# 95
12) 2-Methylnaphthalene	12.205	142	115	0.001	ng	# 73
16) Acenaphthylene	14.094	152	106	0.001	ng	# 79
17) Acenaphthene	14.436	154	69	0.001	ng	88
18) Fluorene	15.439	166	73	0.000	ng	# 97
21) 4-Bromophenyl-phenylether	16.326	248	16	0.000	ng	# 74
22) Hexachlorobenzene	16.435	284	29	0.000	ng	# 13
25) Phenanthrene	17.166	178	197	0.001	ng	# 77
26) Anthracene	17.263	178	59	0.000	ng	# 80
28) Fluoranthene	19.184	202	224	0.001	ng	# 65
30) Pyrene	19.546	202	140	0.001	ng	# 73
32) Benzo(a)anthracene	21.314	228	285	0.002	ng	# 28
33) Chrysene	21.314	228	211	0.001	ng	# 33
36) Indeno(1,2,3-cd)pyrene	26.006	276	41	0.000	ng	# 50
37) Benzo(b)fluoranthene	22.942	252	947	0.007	ng	# 1
38) Benzo(k)fluoranthene	22.942	252	714	0.006	ng	# 1
39) Benzo(a)pyrene	23.541	252	1029	0.009	ng	# 1
40) Dibenzo(a,h)anthracene	26.026	278	5	0.000	ng	# 1
41) Benzo(g,h,i)perylene	26.738	276	101	0.001	ng	# 1

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

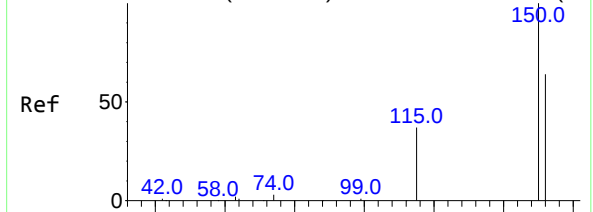
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120621\
Data File : BN017733.D
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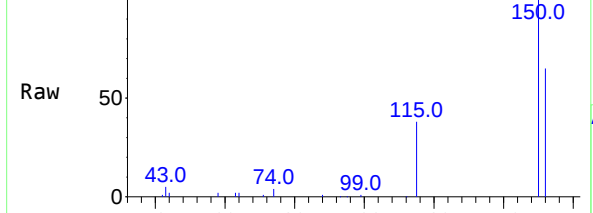


Abundance Scan 487 (7.752 min): BN017727.D\data.ms (-48



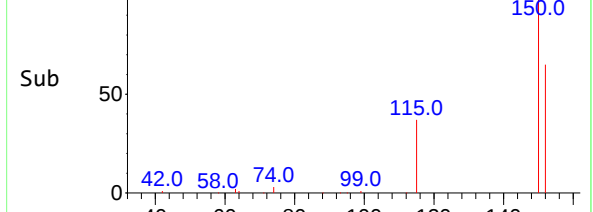
m/z-->

Abundance Scan 488 (7.761 min): BN017733.D\data.ms



m/z-->

Abundance Scan 488 (7.761 min): BN017733.D\data.ms (-47



m/z-->

#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.761 min Scan# 488

Delta R.T. 0.009 min

Lab File: BN017733.D

Acq: 06 Dec 2021 16:17

Instrument :

BNA_N

ClientSampleId :

PB141179BL

Tgt Ion:152 Resp: 18370

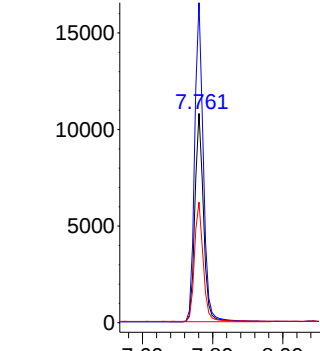
Ion Ratio Lower Upper

152 100

150 152.9 123.0 184.4

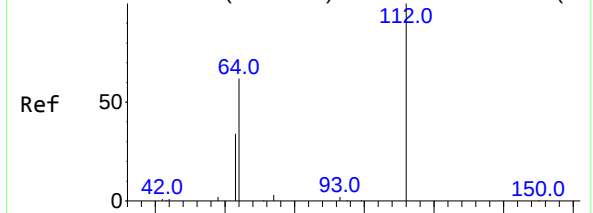
115 57.6 45.6 68.4

Abundance



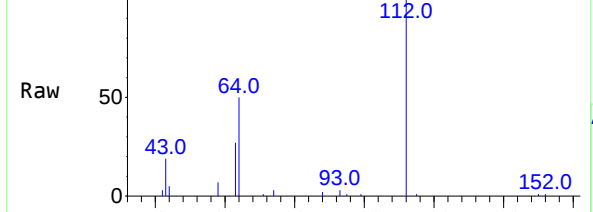
Time-->

Abundance Scan 227 (5.355 min): BN017727.D\data.ms (-22



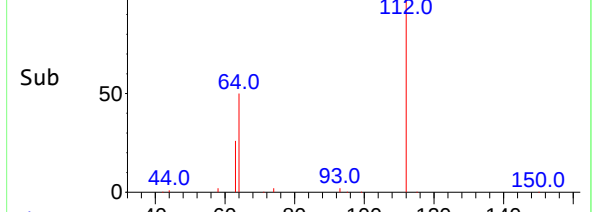
m/z-->

Abundance Scan 231 (5.391 min): BN017733.D\data.ms



m/z-->

Abundance Scan 231 (5.391 min): BN017733.D\data.ms (-21



m/z-->

#4

2-Fluorophenol

Concen: 0.317 ng

RT: 5.391 min Scan# 231

Delta R.T. 0.037 min

Lab File: BN017733.D

Acq: 06 Dec 2021 16:17

Tgt Ion:112 Resp: 12483

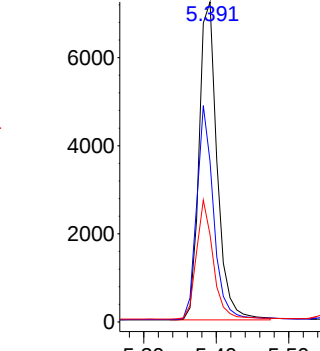
Ion Ratio Lower Upper

112 100

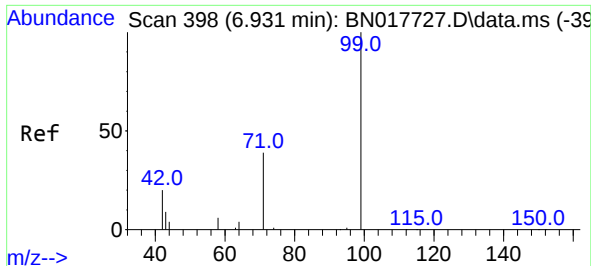
64 62.4 47.6 71.4

63 34.7 24.6 37.0

Abundance



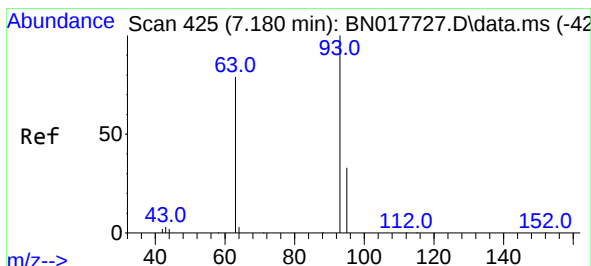
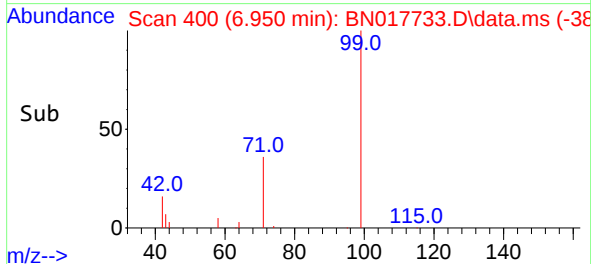
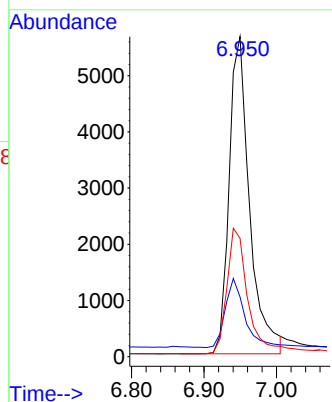
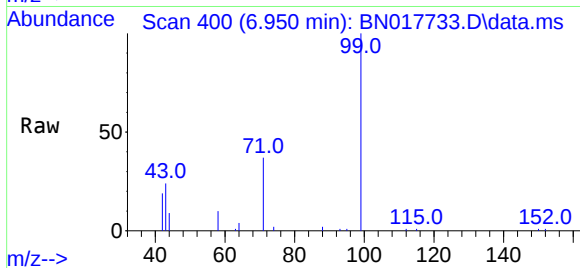
Time-->



#5
Phenol-d6
Concen: 0.261 ng
RT: 6.950 min Scan# 400
Delta R.T. 0.018 min
Lab File: BN017733.D
Acq: 06 Dec 2021 16:17

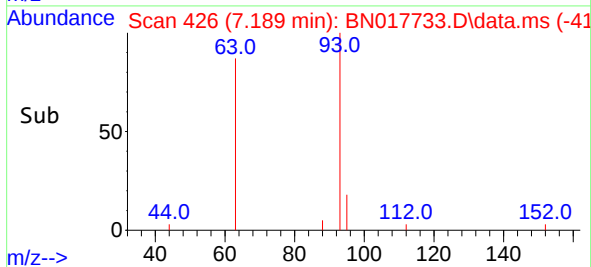
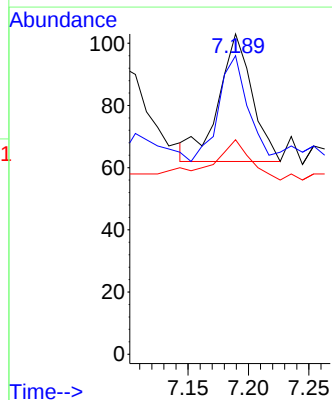
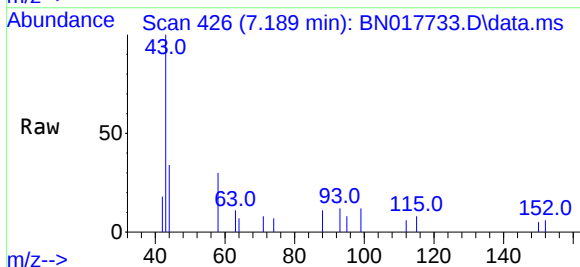
Instrument :
BNA_N
ClientSampleId :
PB141179BL

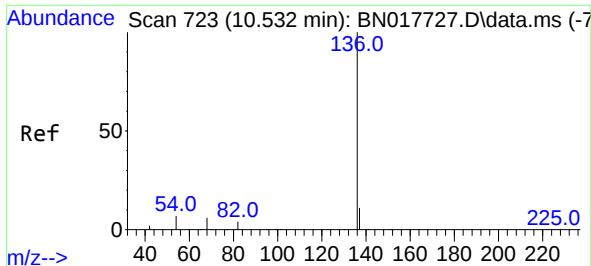
Tgt Ion: 99 Resp: 11033
Ion Ratio Lower Upper
99 100
42 21.0 17.0 25.6
71 40.0 24.8 37.2#



#6
bis(2-Chloroethyl)ether
Concen: 0.002 ng
RT: 7.189 min Scan# 426
Delta R.T. 0.009 min
Lab File: BN017733.D
Acq: 06 Dec 2021 16:17

Tgt Ion: 93 Resp: 80
Ion Ratio Lower Upper
93 100
63 73.8 65.8 98.6
95 37.5 26.6 39.8



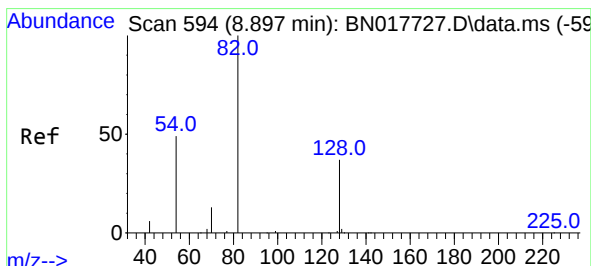
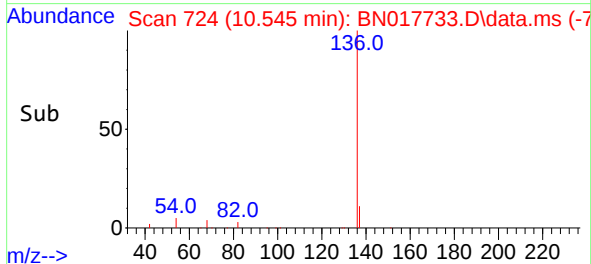
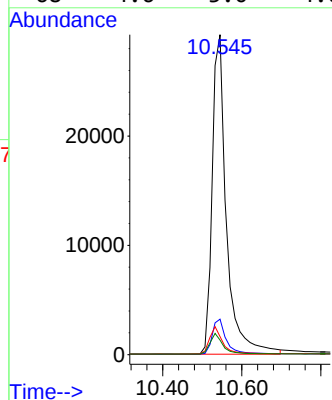
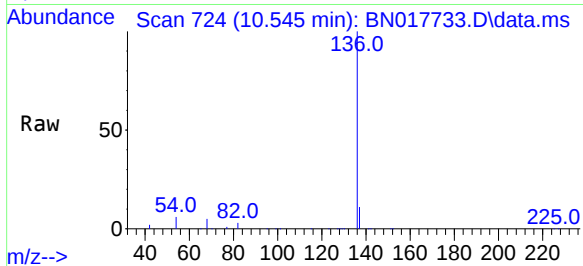


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.545 min Scan# 723
Delta R.T. 0.012 min
Lab File: BN017733.D
Acq: 06 Dec 2021 16:17

Instrument :
BNA_N
ClientSampleId :
PB141179BL

Tgt Ion: 136 Resp: 72937

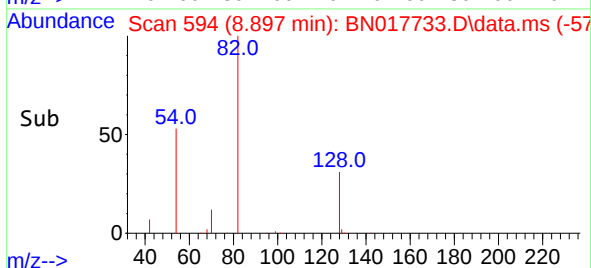
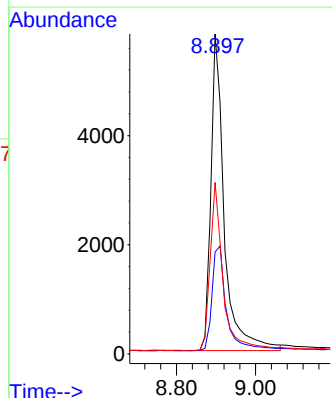
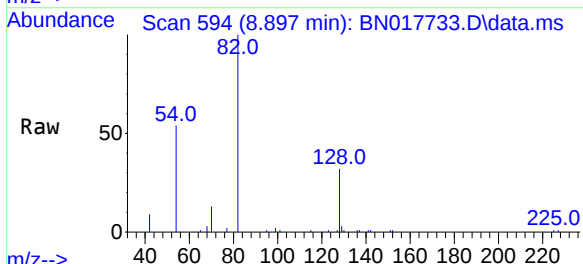
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	5.7	4.0	6.0
68	4.6	3.0	4.6

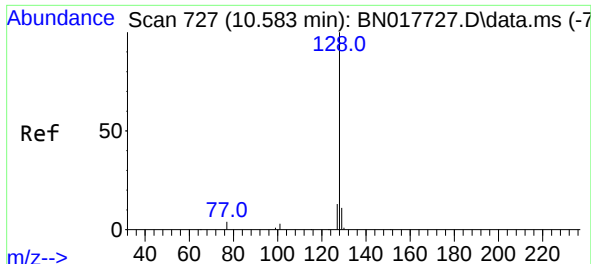


#8
Nitrobenzene-d5
Concen: 0.277 ng
RT: 8.897 min Scan# 594
Delta R.T. -0.000 min
Lab File: BN017733.D
Acq: 06 Dec 2021 16:17

Tgt Ion: 82 Resp: 13639

Ion	Ratio	Lower	Upper
82	100		
128	31.8	27.7	41.5
54	53.6	49.2	73.8

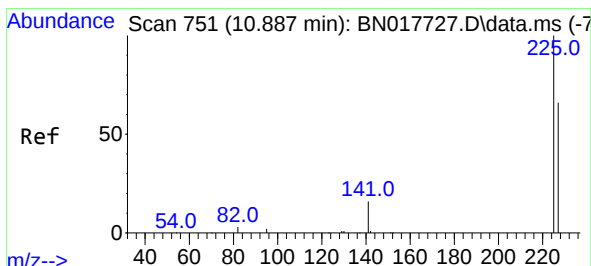
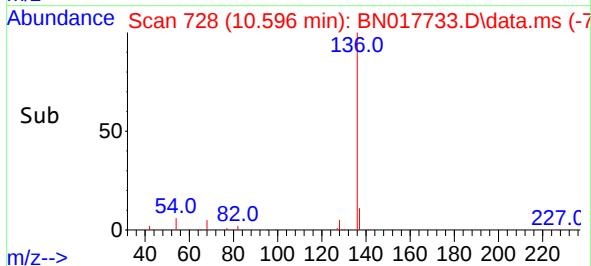
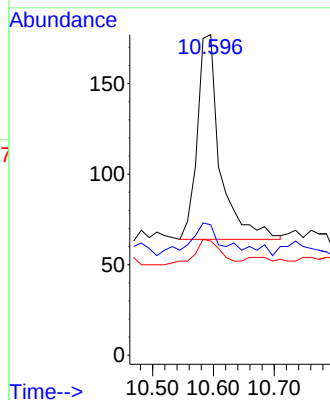
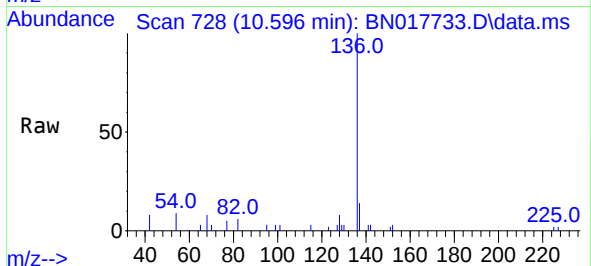




#9
Naphthalene
Concen: 0.002 ng
RT: 10.596 min Scan# 71
Delta R.T. 0.012 min
Lab File: BN017733.D
Acq: 06 Dec 2021 16:17

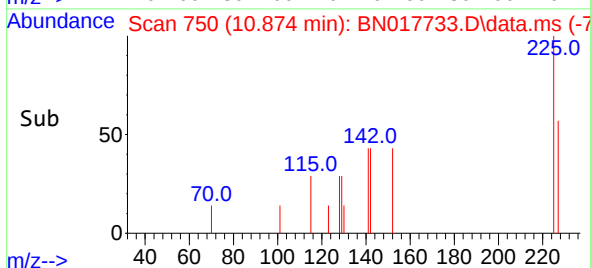
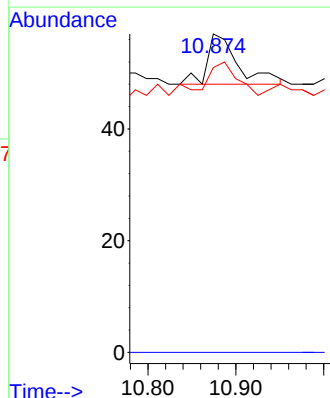
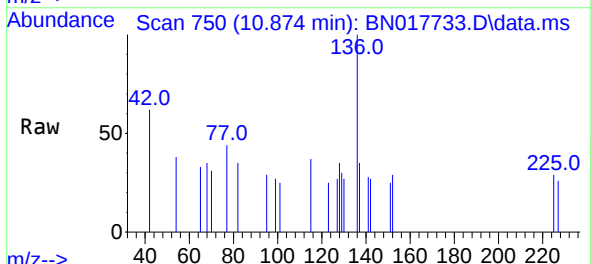
Instrument :
BNA_N
ClientSampleId :
PB141179BL

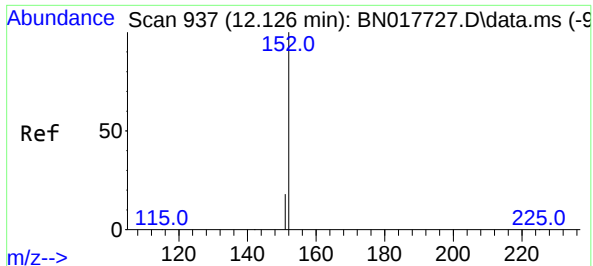
Tgt Ion:128 Resp: 294
Ion Ratio Lower Upper
128 100
129 40.7 8.8 13.2#
127 35.6 10.6 15.8#



#10
Hexachlorobutadiene
Concen: 0.000 ng
RT: 10.874 min Scan# 750
Delta R.T. -0.013 min
Lab File: BN017733.D
Acq: 06 Dec 2021 16:17

Tgt Ion:225 Resp: 22
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 68.2 51.1 76.7

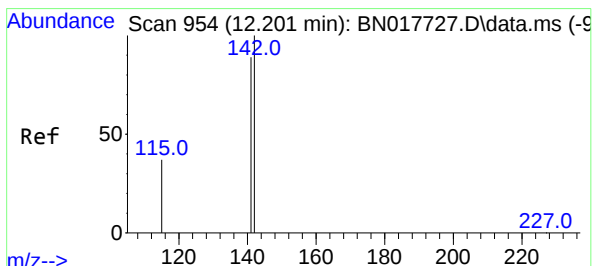
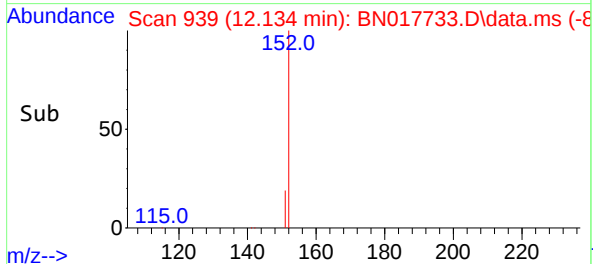
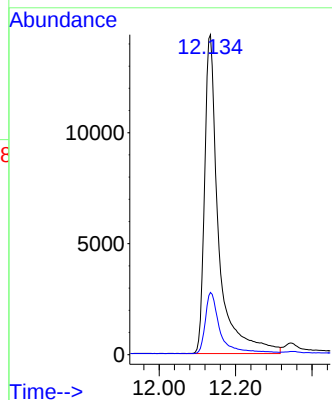
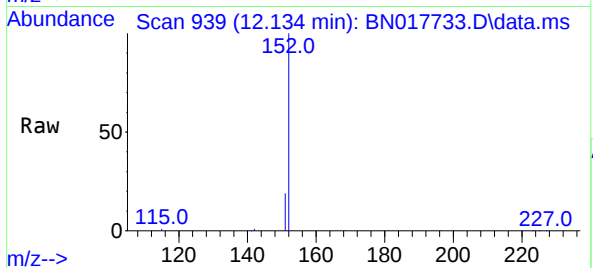




#11
2-Methylnaphthalene-d10
Concen: 0.274 ng
RT: 12.134 min Scan# 911
Delta R.T. 0.009 min
Lab File: BN017733.D
Acq: 06 Dec 2021 16:17

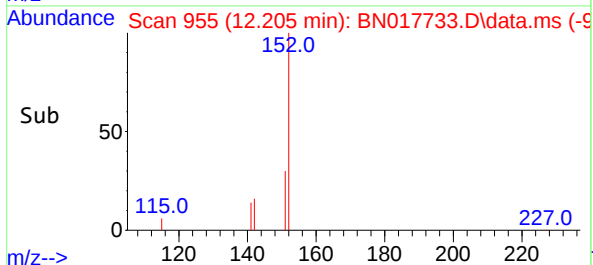
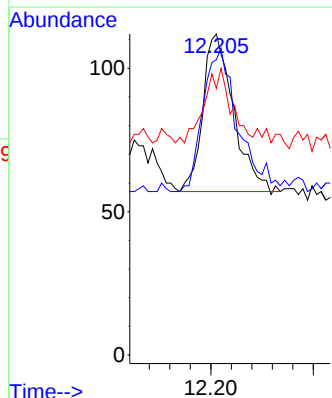
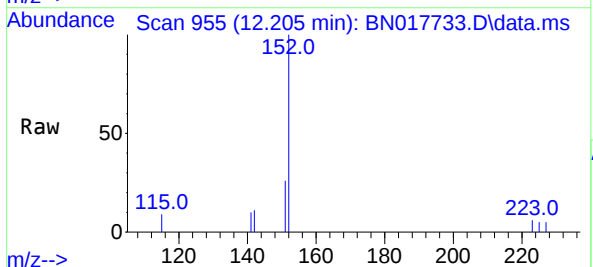
Instrument :
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ClientSampleId :
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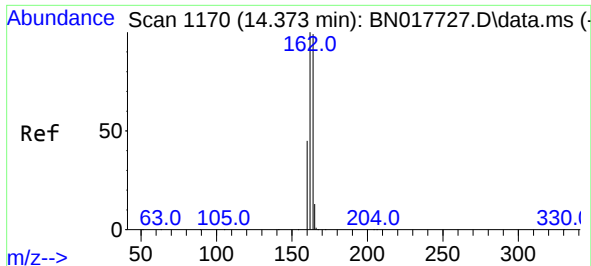
Tgt Ion:152 Resp: 36596
Ion Ratio Lower Upper
152 100
151 20.5 16.2 24.4



#12
2-Methylnaphthalene
Concen: 0.001 ng
RT: 12.205 min Scan# 955
Delta R.T. 0.004 min
Lab File: BN017733.D
Acq: 06 Dec 2021 16:17

Tgt Ion:142 Resp: 115
Ion Ratio Lower Upper
142 100
141 92.0 70.6 106.0
115 83.0 25.8 38.6#

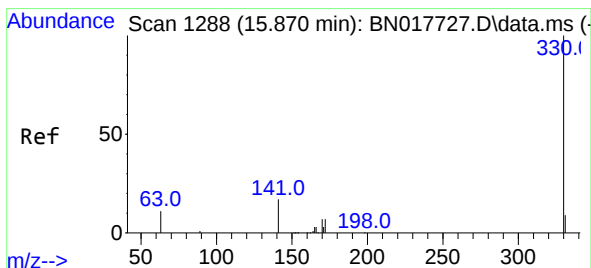
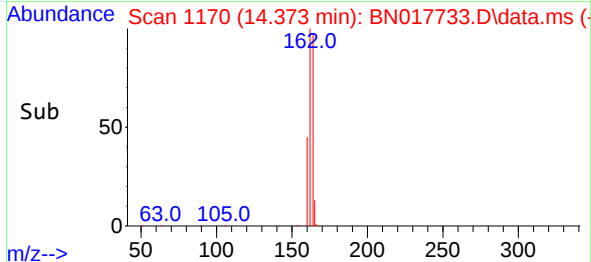
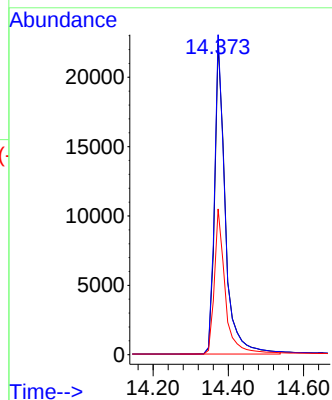
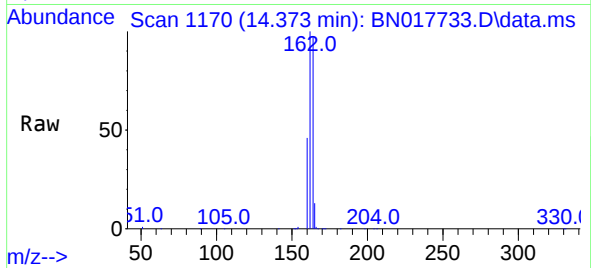




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.373 min Scan# 1170
Delta R.T. -0.000 min
Lab File: BN017733.D
Acq: 06 Dec 2021 16:17

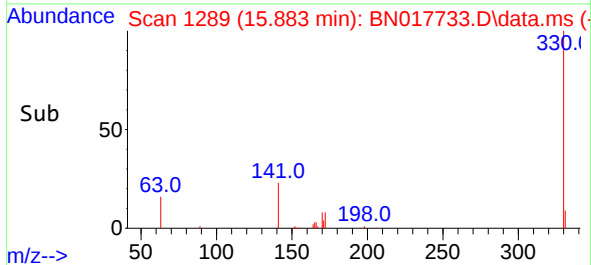
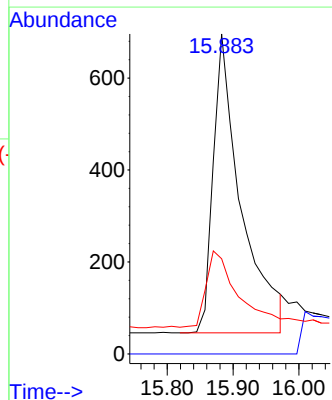
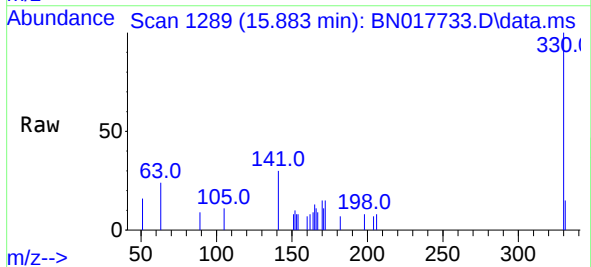
Instrument :
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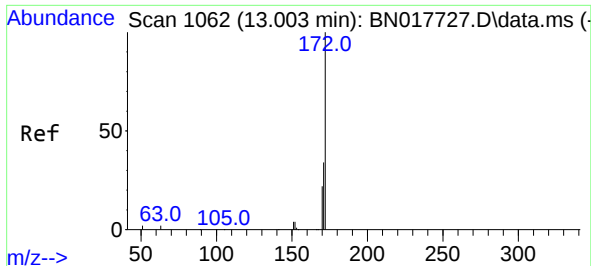
Tgt Ion:164 Resp: 44469
Ion Ratio Lower Upper
164 100
162 102.8 81.4 122.2
160 46.8 36.8 55.2



#14
2,4,6-Tribromophenol
Concen: 0.207 ng
RT: 15.883 min Scan# 1289
Delta R.T. 0.013 min
Lab File: BN017733.D
Acq: 06 Dec 2021 16:17

Tgt Ion:330 Resp: 1902
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 29.4 28.9 43.3

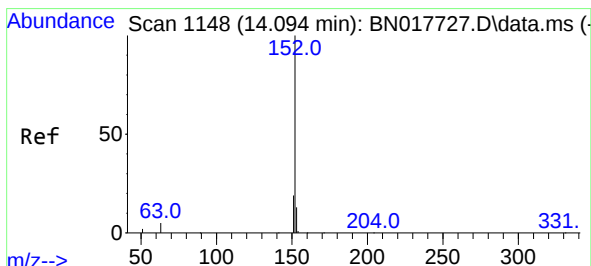
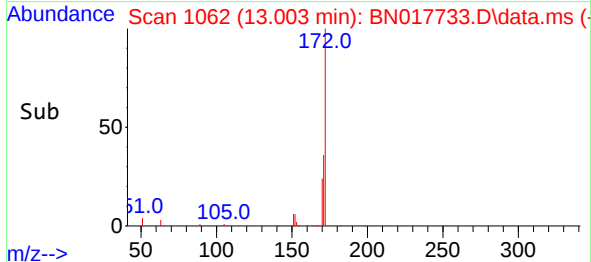
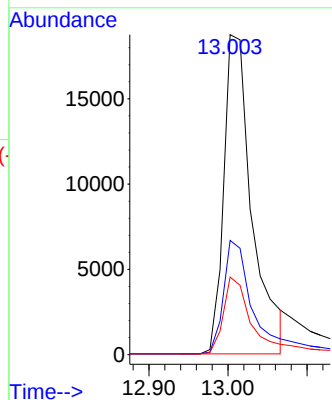
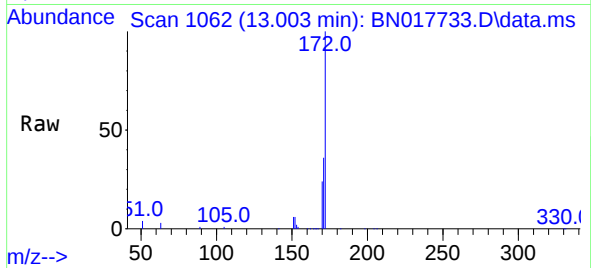




#15
2-Fluorobiphenyl
Concen: 0.283 ng
RT: 13.003 min Scan# 1062
Delta R.T. -0.000 min
Lab File: BN017733.D
Acq: 06 Dec 2021 16:17

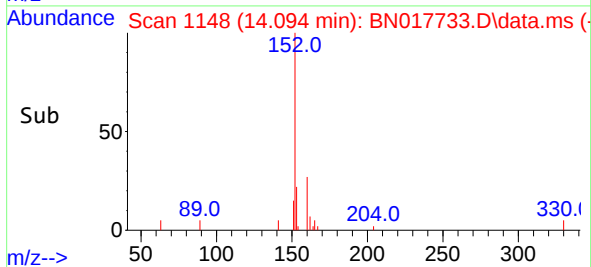
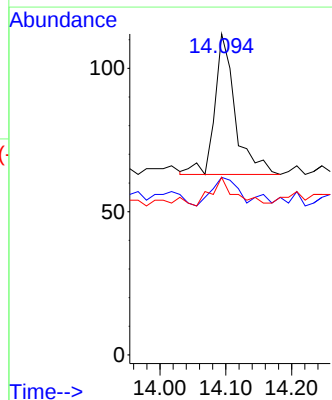
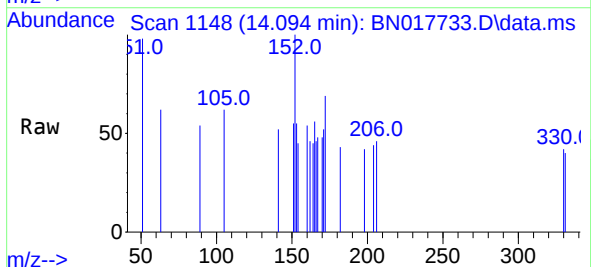
Instrument :
BNA_N
ClientSampleId :
PB141179BL

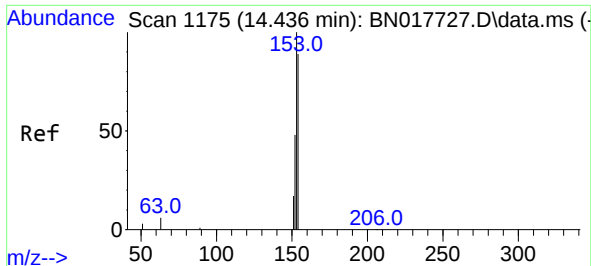
Tgt Ion:172 Resp: 46541
Ion Ratio Lower Upper
172 100
171 35.7 28.7 43.1
170 24.3 19.4 29.2



#16
Acenaphthylene
Concen: 0.001 ng
RT: 14.094 min Scan# 1148
Delta R.T. -0.000 min
Lab File: BN017733.D
Acq: 06 Dec 2021 16:17

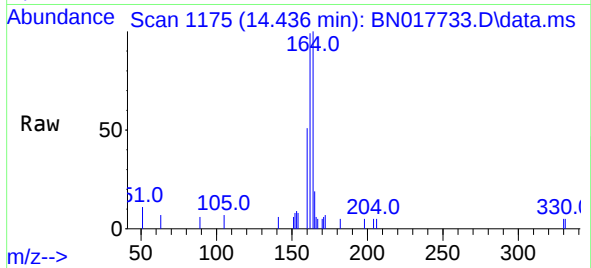
Tgt Ion:152 Resp: 106
Ion Ratio Lower Upper
152 100
151 27.4 15.5 23.3#
153 23.6 10.4 15.6#



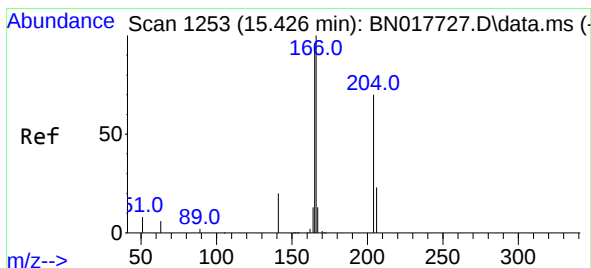
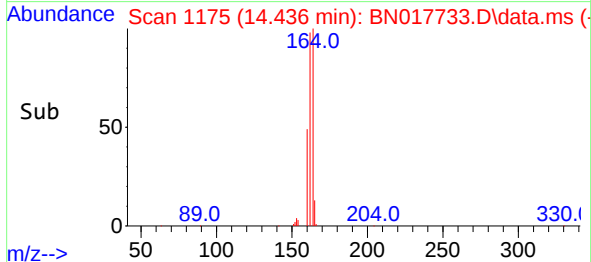
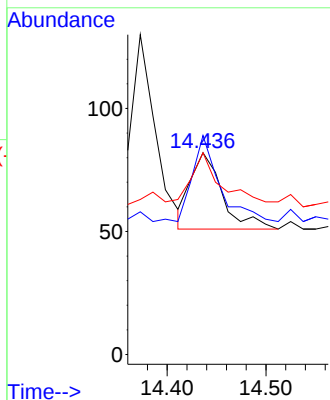


#17
Acenaphthene
Concen: 0.001 ng
RT: 14.436 min Scan# 1175
Delta R.T. -0.000 min
Lab File: BN017733.D
Acq: 06 Dec 2021 16:17

Instrument :
BNA_N
ClientSampleId :
PB141179BL

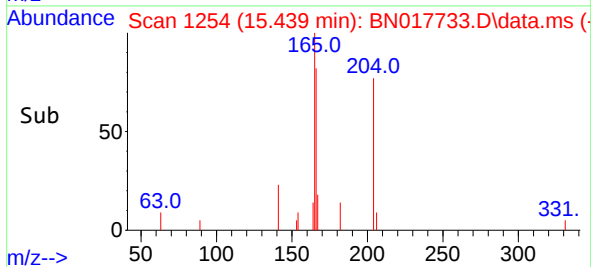
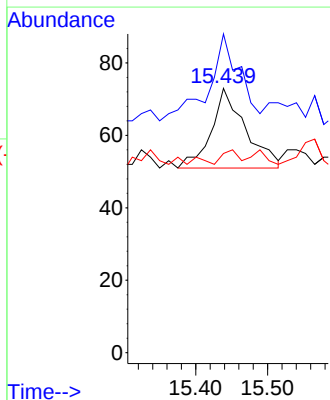
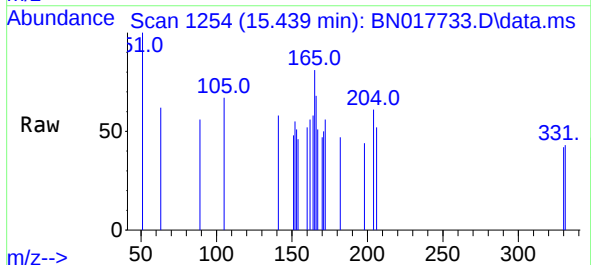


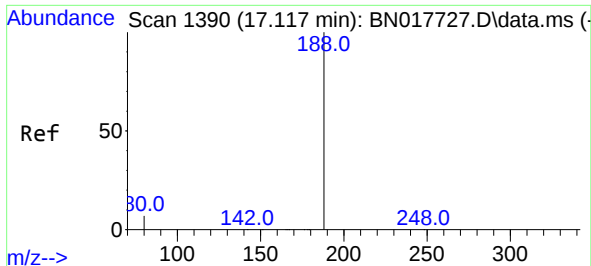
Tgt Ion:154 Resp: 69
Ion Ratio Lower Upper
154 100
153 97.1 91.2 136.8
152 59.4 44.3 66.5



#18
Fluorene
Concen: 0.000 ng
RT: 15.439 min Scan# 1254
Delta R.T. 0.012 min
Lab File: BN017733.D
Acq: 06 Dec 2021 16:17

Tgt Ion:166 Resp: 73
Ion Ratio Lower Upper
166 100
165 98.6 77.9 116.9
167 8.2 10.9 16.3#

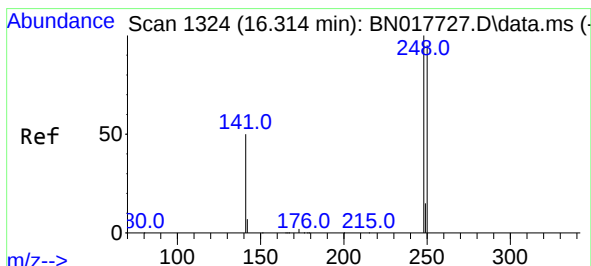
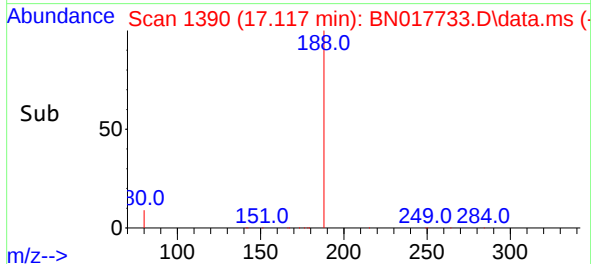
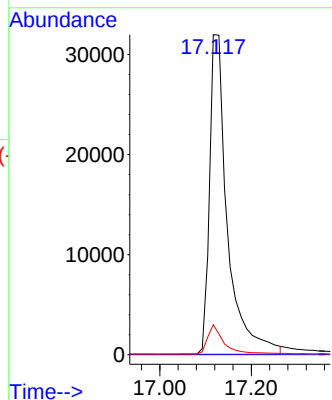
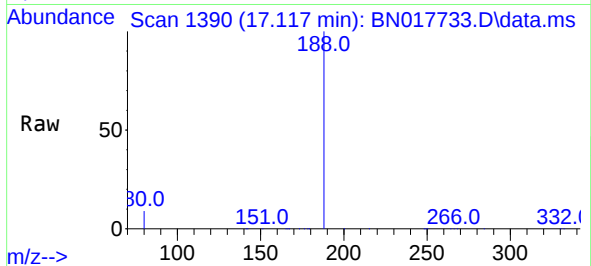




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.117 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN017733.D
Acq: 06 Dec 2021 16:17

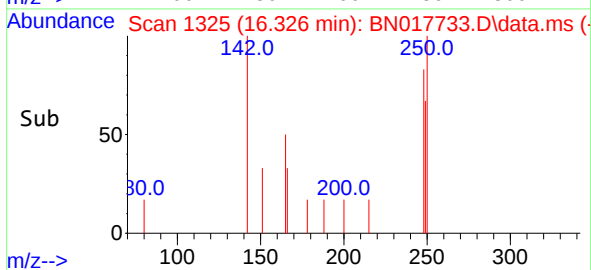
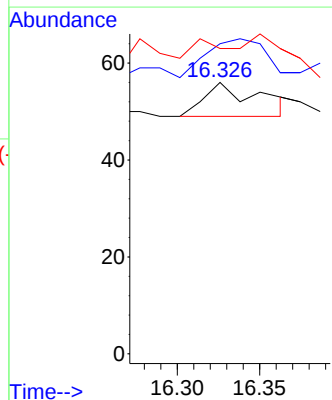
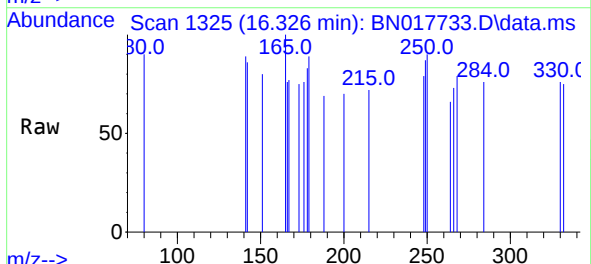
Instrument :
BNA_N
ClientSampleId :
PB141179BL

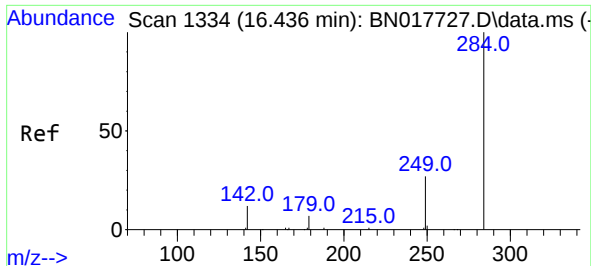
Tgt Ion:188 Resp: 86808
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 9.3 6.1 9.1#



#21
4-Bromophenyl-phenylether
Concen: 0.000 ng
RT: 16.326 min Scan# 1325
Delta R.T. 0.012 min
Lab File: BN017733.D
Acq: 06 Dec 2021 16:17

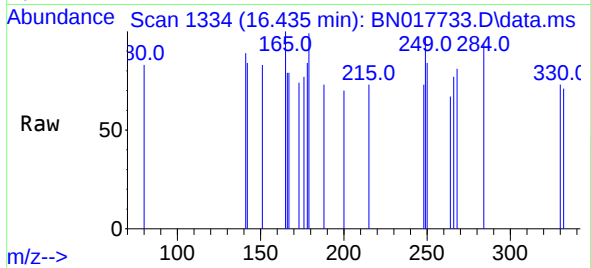
Tgt Ion:248 Resp: 16
Ion Ratio Lower Upper
248 100
250 114.3 71.8 107.8#
141 112.5 70.9 106.3#



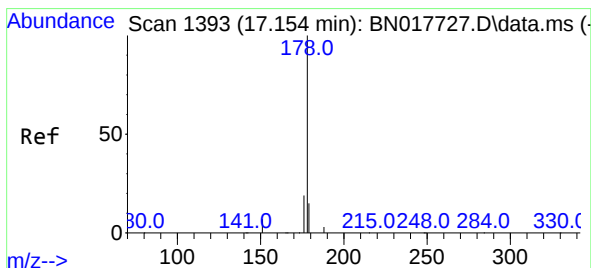
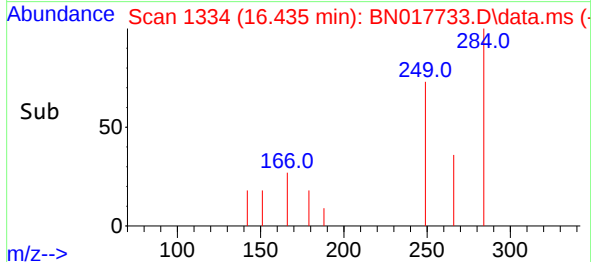
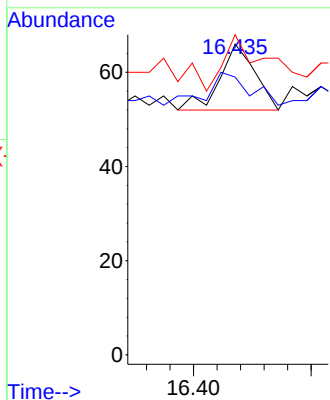


#22
Hexachlorobenzene
Concen: 0.000 ng
RT: 16.435 min Scan# 1334
Delta R.T. -0.000 min
Lab File: BN017733.D
Acq: 06 Dec 2021 16:17

Instrument :
BNA_N
ClientSampleId :
PB141179BL

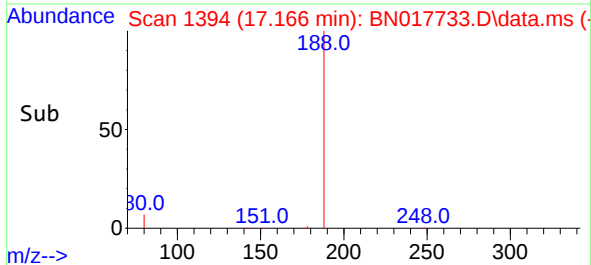
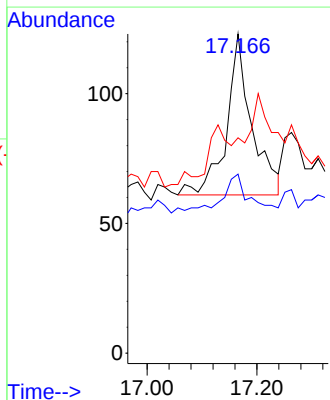
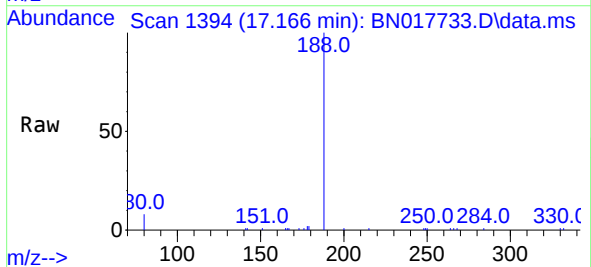


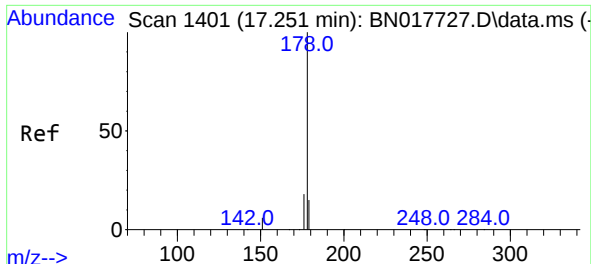
Tgt Ion:284 Resp: 29
Ion Ratio Lower Upper
284 100
142 62.1 28.2 42.2#
249 103.4 24.4 36.6#



#25
Phenanthrene
Concen: 0.001 ng
RT: 17.166 min Scan# 1394
Delta R.T. 0.012 min
Lab File: BN017733.D
Acq: 06 Dec 2021 16:17

Tgt Ion:178 Resp: 197
Ion Ratio Lower Upper
178 100
176 23.9 15.0 22.6#
179 0.0 12.3 18.5#

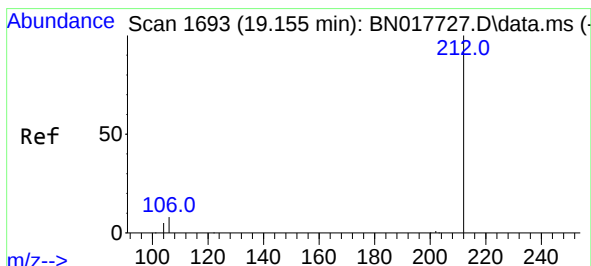
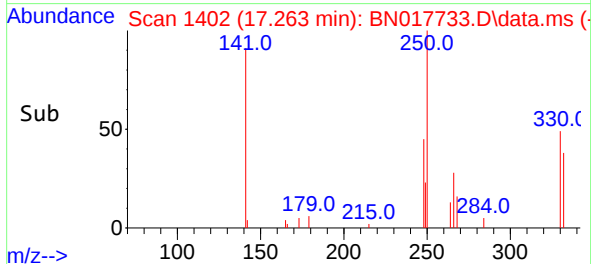
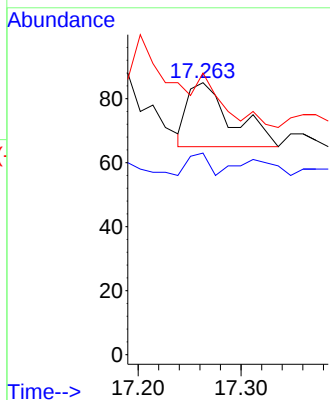
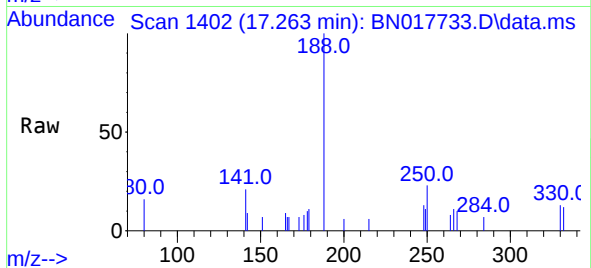




#26
 Anthracene
 Concen: 0.000 ng
 RT: 17.263 min Scan# 1401
 Delta R.T. 0.012 min
 Lab File: BN017733.D
 Acq: 06 Dec 2021 16:17

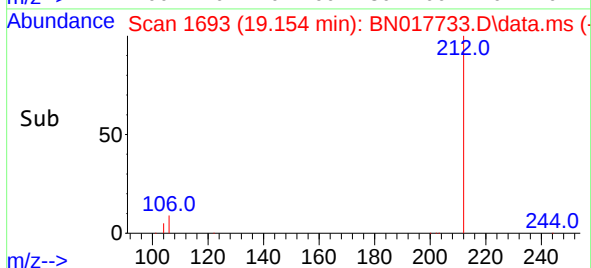
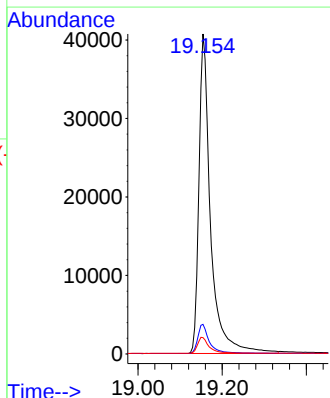
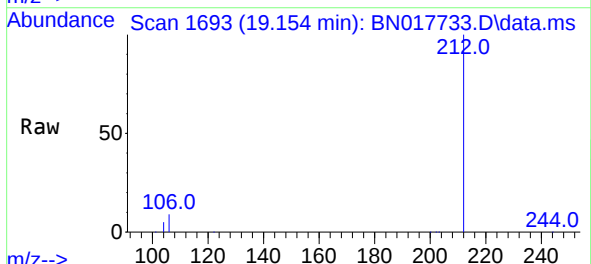
Instrument :
 BNA_N
 ClientSampleId :
 PB141179BL

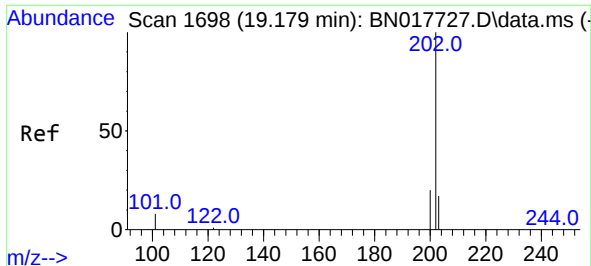
Tgt Ion:178 Resp: 59
 Ion Ratio Lower Upper
 178 100
 176 15.3 14.6 22.0
 179 0.0 12.2 18.4#



#27
 Fluoranthene-d10
 Concen: 0.269 ng
 RT: 19.154 min Scan# 1693
 Delta R.T. -0.000 min
 Lab File: BN017733.D
 Acq: 06 Dec 2021 16:17

Tgt Ion:212 Resp: 78628
 Ion Ratio Lower Upper
 212 100
 106 9.2 10.5 15.7#
 104 5.2 5.8 8.6#

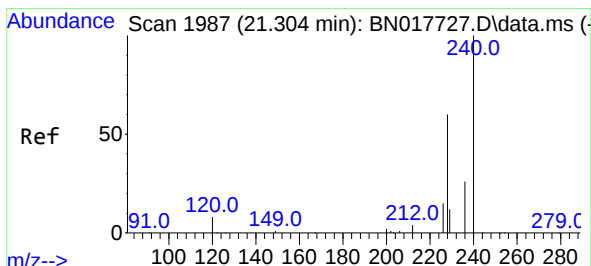
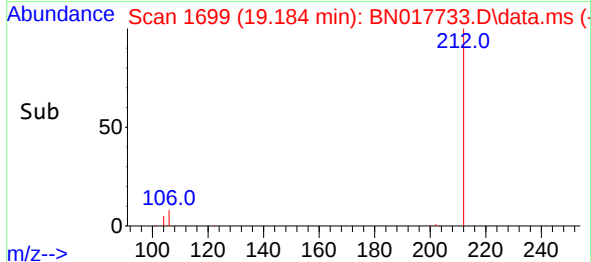
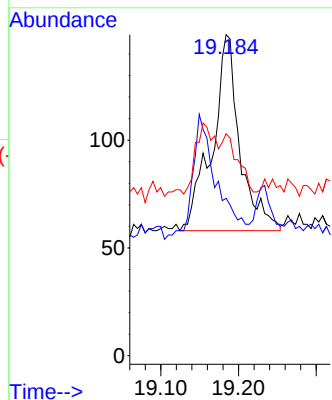
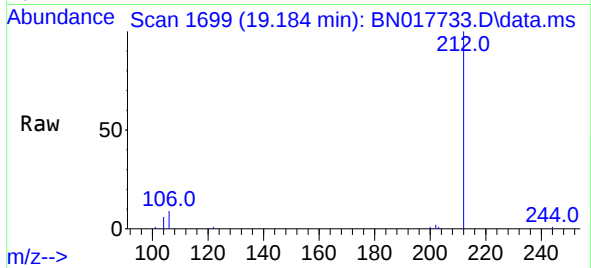




#28
Fluoranthene
Concen: 0.001 ng
RT: 19.184 min Scan# 1698
Delta R.T. 0.005 min
Lab File: BN017733.D
Acq: 06 Dec 2021 16:17

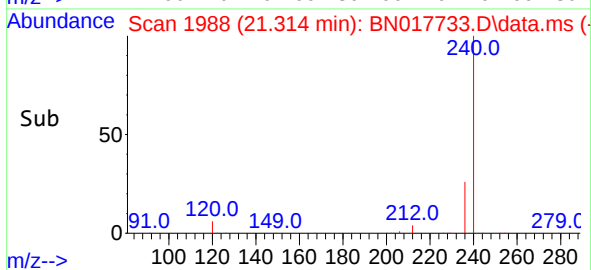
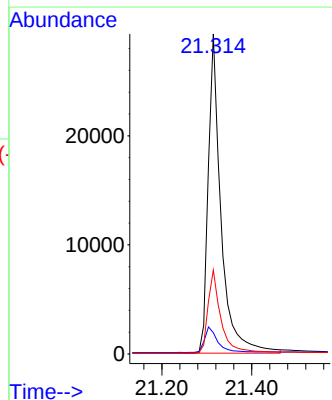
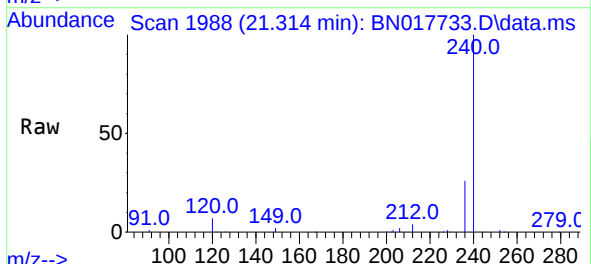
Instrument :
BNA_N
ClientSampleId :
PB141179BL

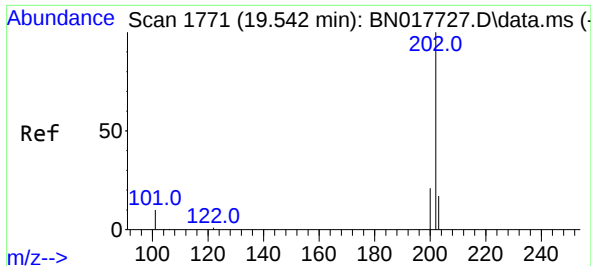
Tgt Ion:202 Resp: 224
Ion Ratio Lower Upper
202 100
101 0.0 8.9 13.3#
203 0.0 13.8 20.6#



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.314 min Scan# 1988
Delta R.T. 0.010 min
Lab File: BN017733.D
Acq: 06 Dec 2021 16:17

Tgt Ion:240 Resp: 57663
Ion Ratio Lower Upper
240 100
120 6.6 4.2 6.2#
236 26.3 20.0 30.0

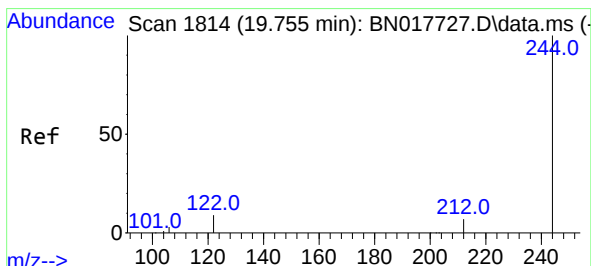
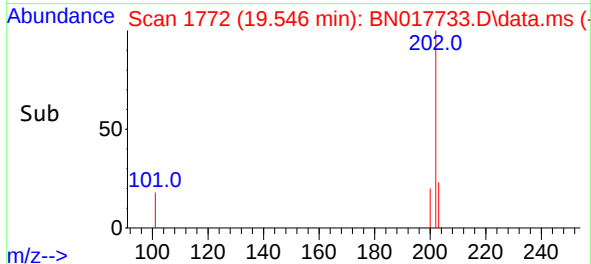
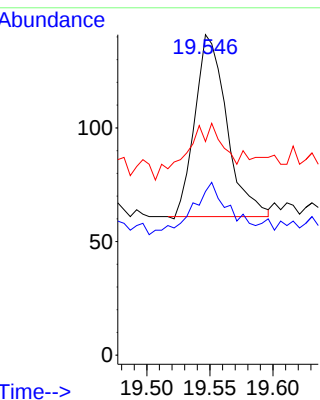
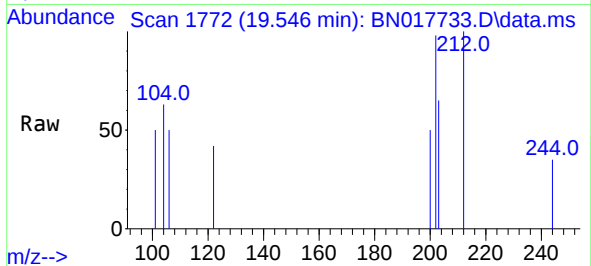




#30
 Pyrene
 Concen: 0.001 ng
 RT: 19.546 min Scan# 11
 Delta R.T. 0.005 min
 Lab File: BN017733.D
 Acq: 06 Dec 2021 16:17

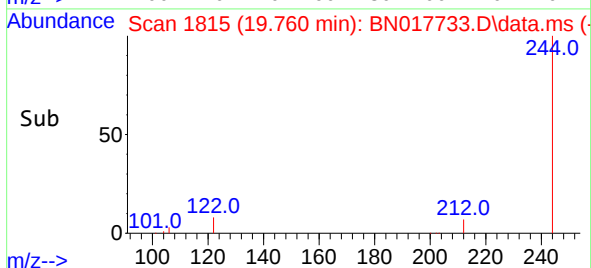
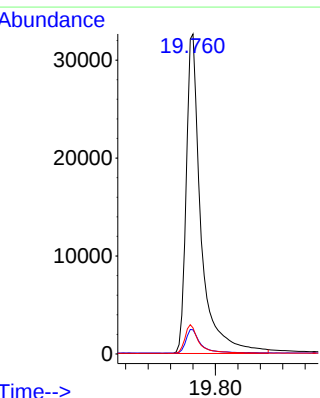
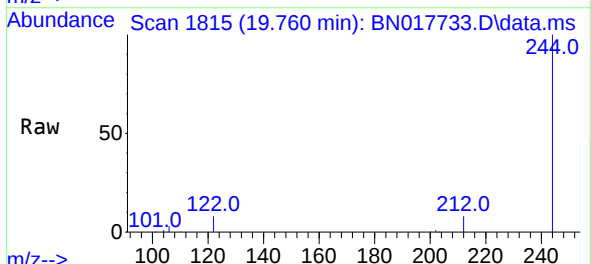
Instrument :
 BNA_N
 ClientSampleId :
 PB141179BL

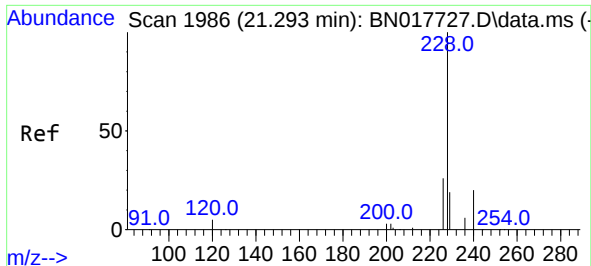
Tgt Ion:202 Resp: 140
 Ion Ratio Lower Upper
 202 100
 200 26.4 16.5 24.7#
 203 37.1 14.0 21.0#



#31
 Terphenyl-d14
 Concen: 0.405 ng
 RT: 19.760 min Scan# 1815
 Delta R.T. 0.005 min
 Lab File: BN017733.D
 Acq: 06 Dec 2021 16:17

Tgt Ion:244 Resp: 59977
 Ion Ratio Lower Upper
 244 100
 212 7.6 5.7 8.5
 122 8.1 8.6 13.0#

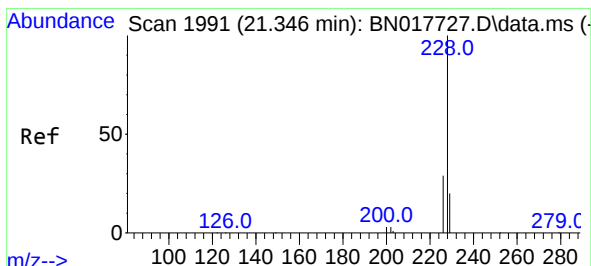
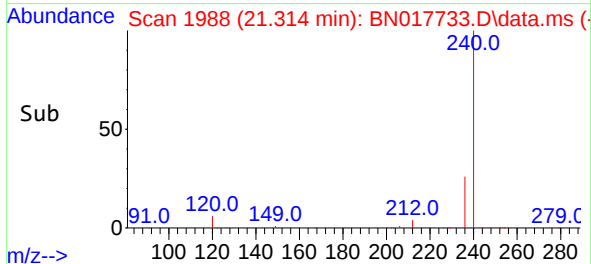
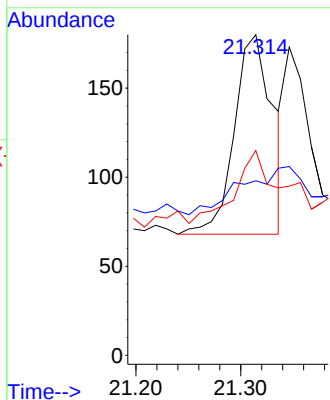
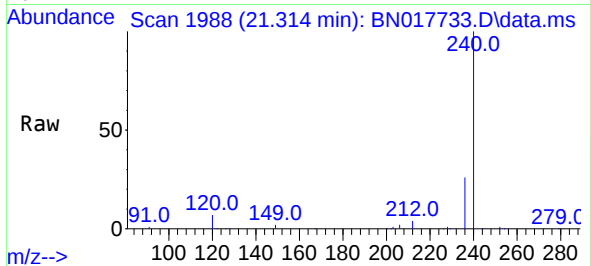




#32
Benzo(a)anthracene
Concen: 0.002 ng
RT: 21.314 min Scan# 1988
Delta R.T. 0.021 min
Lab File: BN017733.D
Acq: 06 Dec 2021 16:17

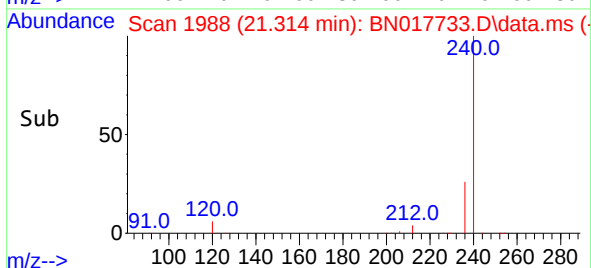
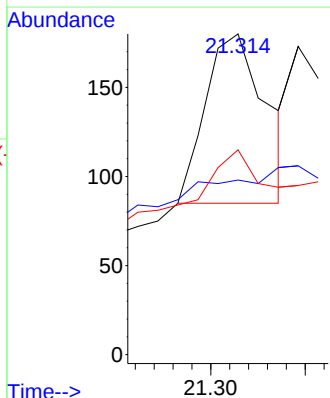
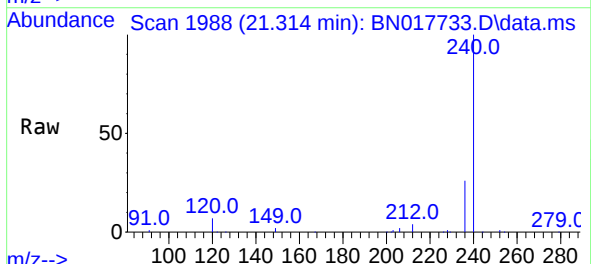
Instrument :
BNA_N
ClientSampleId :
PB141179BL

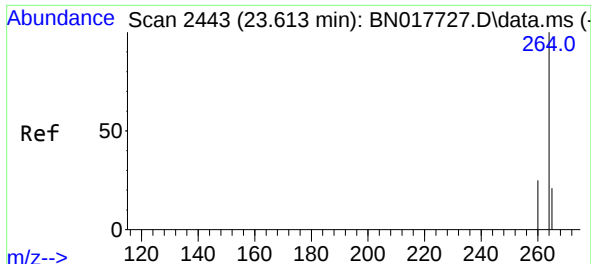
Tgt Ion:228 Resp: 285
Ion Ratio Lower Upper
228 100
226 54.4 21.3 31.9#
229 63.9 15.7 23.5#



#33
Chrysene
Concen: 0.001 ng
RT: 21.314 min Scan# 1988
Delta R.T. -0.032 min
Lab File: BN017733.D
Acq: 06 Dec 2021 16:17

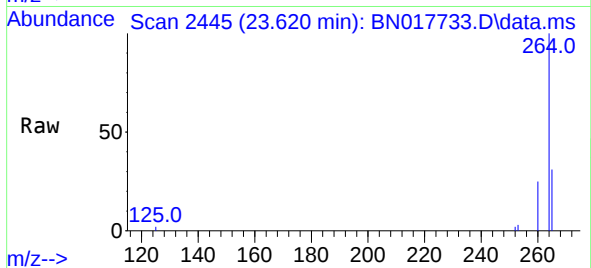
Tgt Ion:228 Resp: 211
Ion Ratio Lower Upper
228 100
226 54.4 23.3 34.9#
229 63.9 15.6 23.4#



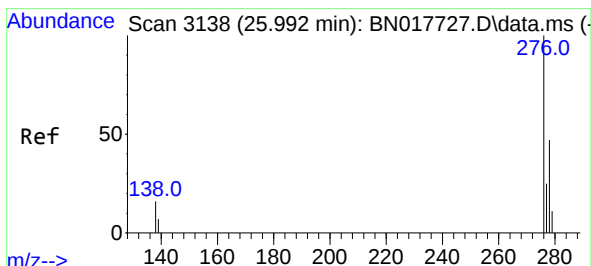
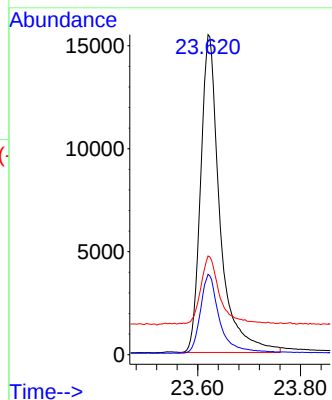


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.620 min Scan# 2443
Delta R.T. 0.007 min
Lab File: BN017733.D
Acq: 06 Dec 2021 16:17

Instrument :
BNA_N
ClientSampleId :
PB141179BL

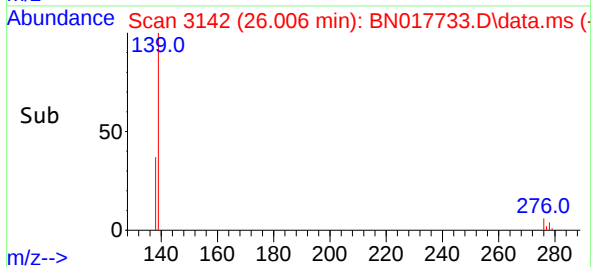
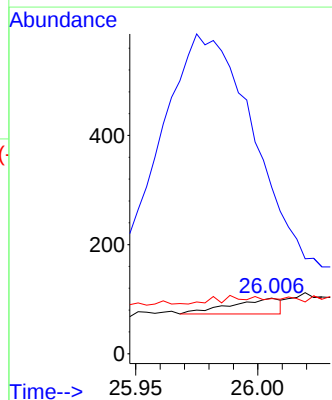
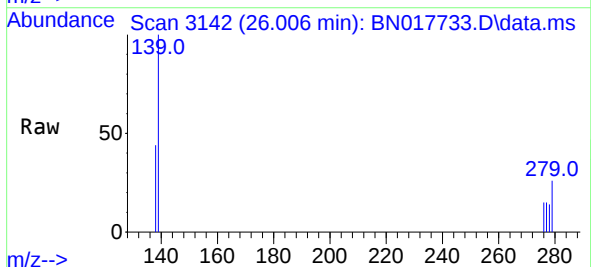


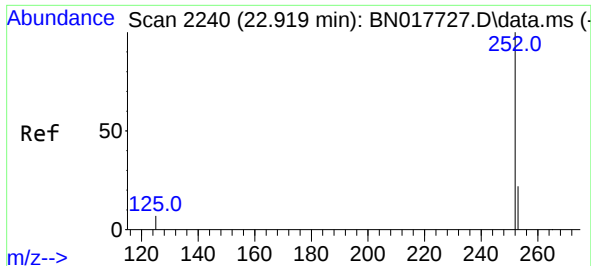
Tgt Ion:264 Resp: 40032
Ion Ratio Lower Upper
264 100
260 25.1 19.4 29.2
265 30.9 18.6 28.0#



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.000 ng
RT: 26.006 min Scan# 3142
Delta R.T. 0.013 min
Lab File: BN017733.D
Acq: 06 Dec 2021 16:17

Tgt Ion:276 Resp: 41
Ion Ratio Lower Upper
276 100
138 0.0 19.7 29.5#
277 0.0 20.0 30.0#

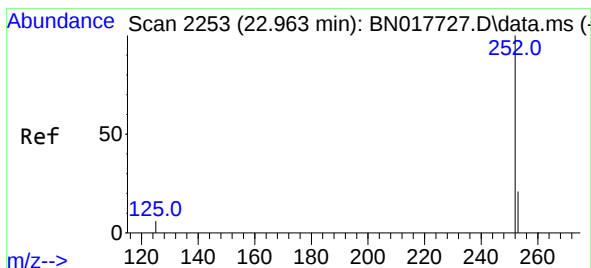
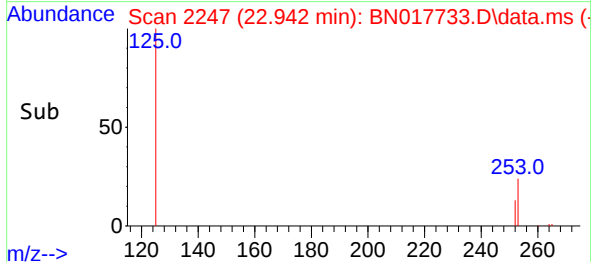
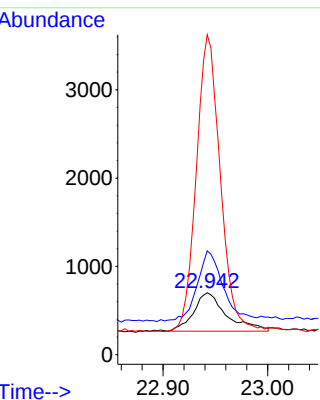
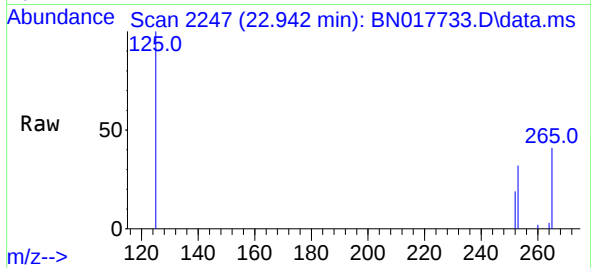




#37
Benzo(b)fluoranthene
Concen: 0.007 ng
RT: 22.942 min Scan# 21
Delta R.T. 0.024 min
Lab File: BN017733.D
Acq: 06 Dec 2021 16:17

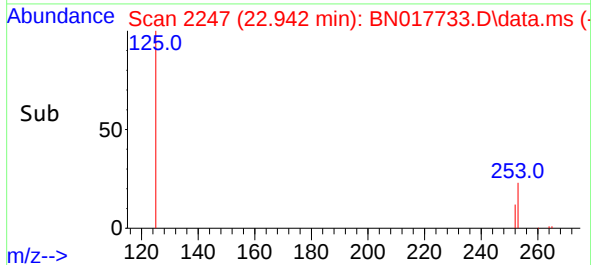
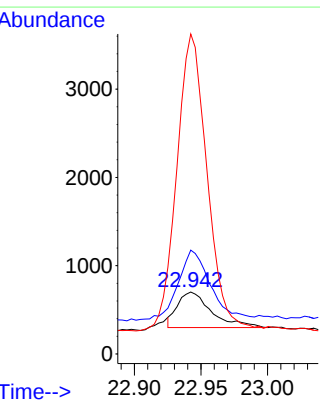
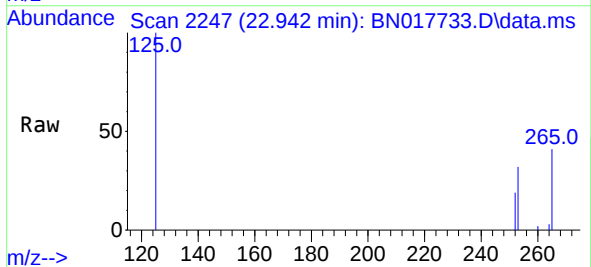
Instrument :
BNA_N
ClientSampleId :
PB141179BL

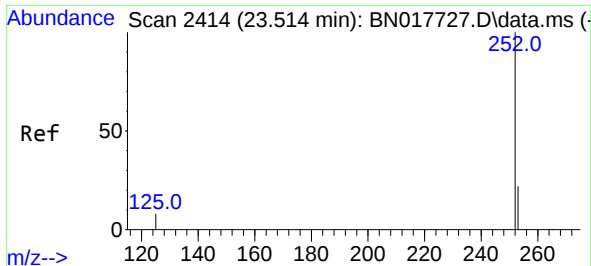
Tgt Ion:252 Resp: 947
Ion Ratio Lower Upper
252 100
253 167.5 17.7 26.5#
125 516.4 7.8 11.8#



#38
Benzo(k)fluoranthene
Concen: 0.006 ng
RT: 22.942 min Scan# 2247
Delta R.T. -0.021 min
Lab File: BN017733.D
Acq: 06 Dec 2021 16:17

Tgt Ion:252 Resp: 714
Ion Ratio Lower Upper
252 100
253 167.5 17.7 26.5#
125 516.4 8.2 12.2#





#39

Benzo(a)pyrene

Concen: 0.009 ng

RT: 23.541 min Scan# 2414

Delta R.T. 0.027 min

Lab File: BN017733.D

Acq: 06 Dec 2021 16:17

Instrument :

BNA_N

ClientSampleId :

PB141179BL

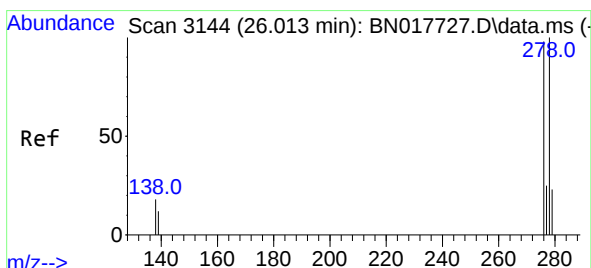
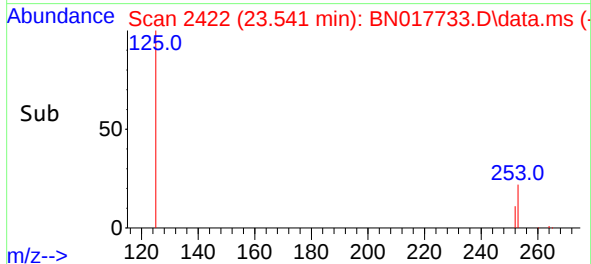
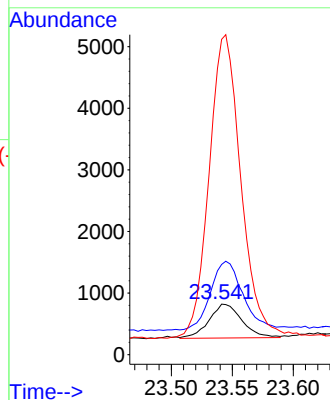
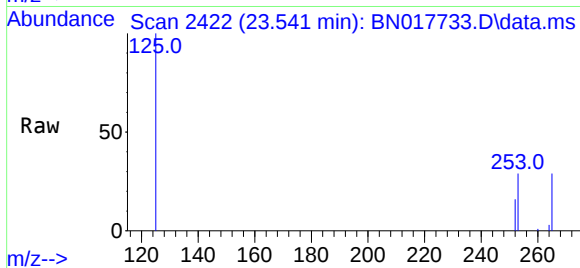
Tgt Ion:252 Resp: 1029

Ion Ratio Lower Upper

252 100

253 178.7 17.9 26.9#

125 624.3 9.2 13.8#



#40

Dibenzo(a,h)anthracene

Concen: 0.000 ng

RT: 26.026 min Scan# 3148

Delta R.T. 0.013 min

Lab File: BN017733.D

Acq: 06 Dec 2021 16:17

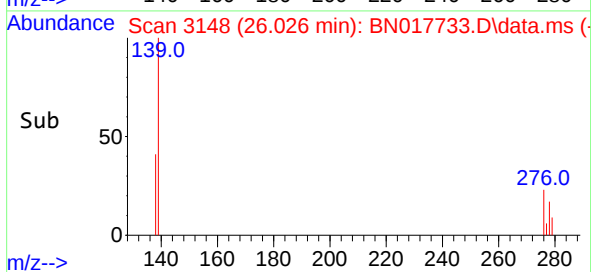
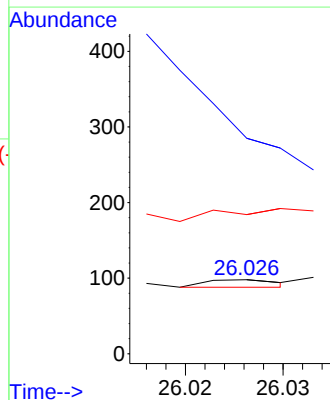
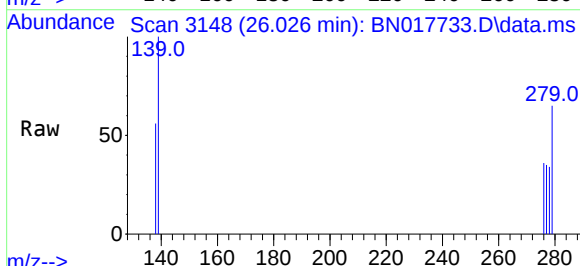
Tgt Ion:278 Resp: 5

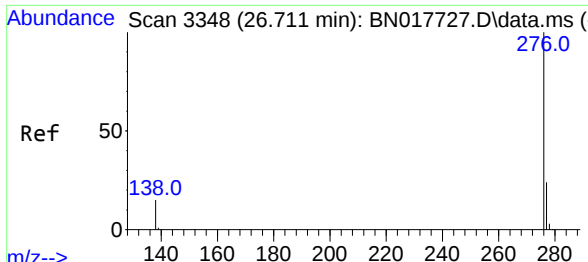
Ion Ratio Lower Upper

278 100

139 290.8 13.0 19.6#

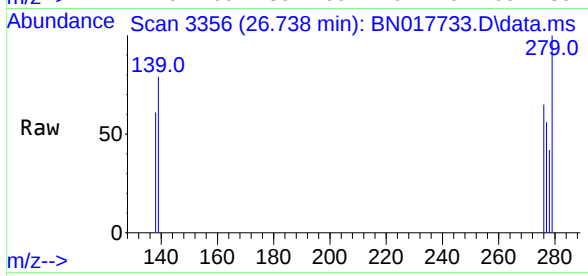
279 187.8 19.2 28.8#





#41
Benzo(g,h,i)perylene
Concen: 0.001 ng
RT: 26.738 min Scan# 31
Delta R.T. 0.027 min
Lab File: BN017733.D
Acq: 06 Dec 2021 16:17

Instrument :
BNA_N
ClientSampleId :
PB141179BL



Tgt Ion: 276 Resp: 101

Ion	Ratio	Lower	Upper
276	100		
277	86.2	19.0	28.4#
138	94.0	17.1	25.7#

