

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111921\
 Data File : BN017524.D
 Acq On : 19 Nov 2021 15:30
 Operator : CG/JU
 Sample : PB140867BL
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB140867BL

Quant Time: Nov 19 16:02:19 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN111921.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 19 14:57:14 2021
 Response via : Initial Calibration

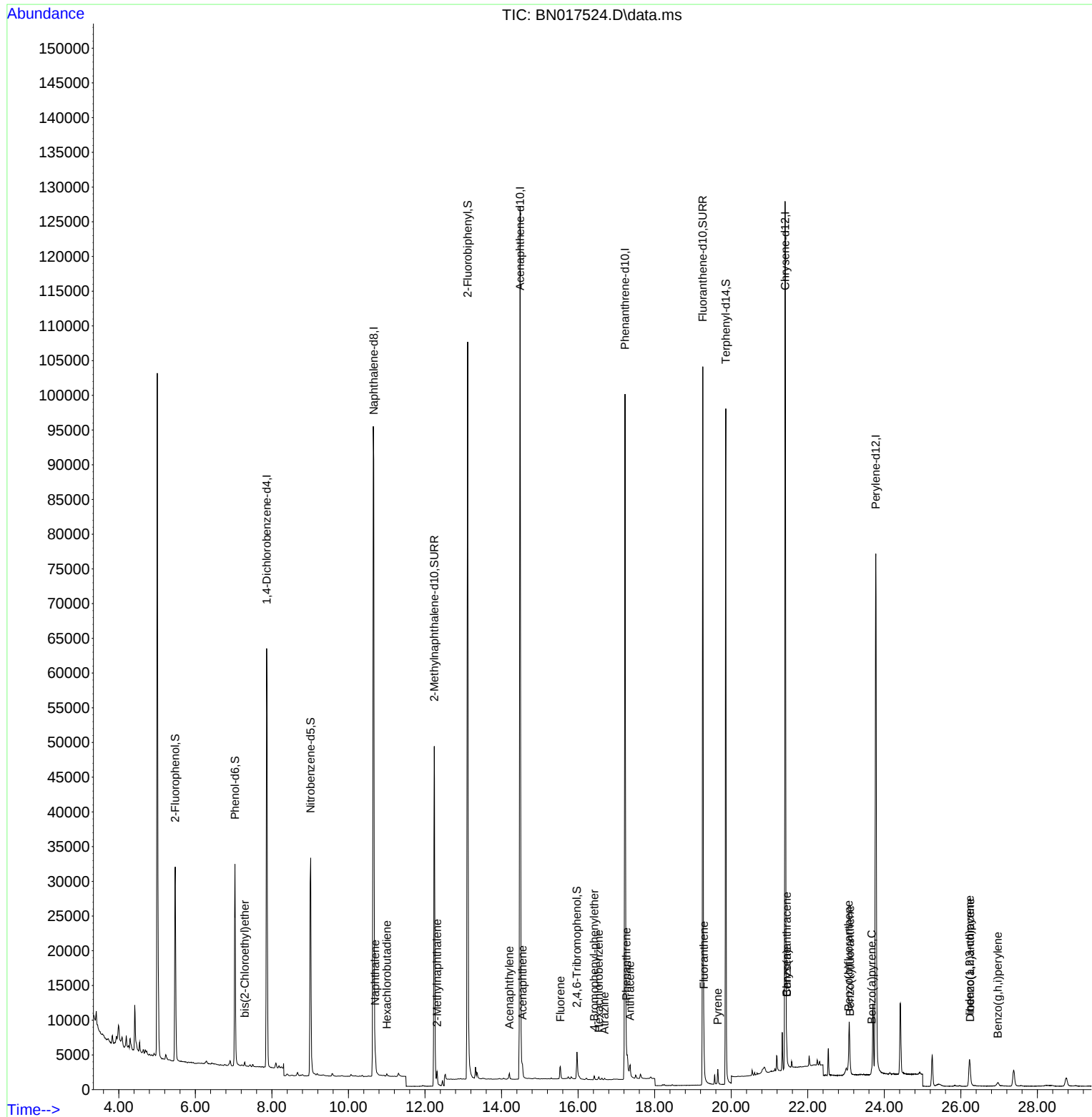
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.865	152	32302	0.400	ng	0.00
7) Naphthalene-d8	10.661	136	147770	0.400	ng	0.00
13) Acenaphthene-d10	14.486	164	75192	0.400	ng	0.00
19) Phenanthrene-d10	17.226	188	142476	0.400	ng	# 0.00
29) Chrysene-d12	21.409	240	123970	0.400	ng	# 0.00
35) Perylene-d12	23.780	264	108348	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.477	112	25129	0.314	ng	0.03
5) Phenol-d6	7.035	99	27854	0.308	ng	0.00
8) Nitrobenzene-d5	9.014	82	29608	0.304	ng	0.00
11) 2-Methylnaphthalene-d10	12.244	152	71389	0.290	ng	0.00
14) 2,4,6-Tribromophenol	15.970	330	3671	0.159	ng	0.00
15) 2-Fluorobiphenyl	13.115	172	98588	0.352	ng	0.00
27) Fluoranthene-d10	19.258	212	123339	0.281	ng	0.00
31) Terphenyl-d14	19.858	244	97420	0.358	ng	0.00
Target Compounds						
6) bis(2-Chloroethyl)ether	7.293	93	519	0.006	ng	90
9) Naphthalene	10.699	128	2432	0.006	ng	# 90
10) Hexachlorobutadiene	11.003	225	259	0.004	ng	# 99
12) 2-Methylnaphthalene	12.315	142	1298	0.005	ng	# 92
16) Acenaphthylene	14.206	152	1038	0.003	ng	# 90
17) Acenaphthene	14.549	154	851	0.004	ng	98
18) Fluorene	15.539	166	987	0.004	ng	99
21) 4-Bromophenyl-phenylether	16.422	248	299	0.004	ng	92
22) Hexachlorobenzene	16.544	284	331	0.004	ng	96
23) Atrazine	16.690	200	191	0.004	ng	# 67
25) Phenanthrene	17.262	178	1969	0.005	ng	# 83
26) Anthracene	17.359	178	1265	0.004	ng	# 96
28) Fluoranthene	19.287	202	2350	0.005	ng	95
30) Pyrene	19.650	202	2150	0.005	ng	99
32) Benzo(a)anthracene	21.452	228	2010	0.005	ng	93
33) Chrysene	21.452	228	1987	0.005	ng	96
36) Indeno(1,2,3-cd)pyrene	26.231	276	1435	0.004	ng	# 1
37) Benzo(b)fluoranthene	23.065	252	2370	0.006	ng	# 1
38) Benzo(k)fluoranthene	23.109	252	1935	0.005	ng	# 9
39) Benzo(a)pyrene	23.670	252	1253	0.004	ng	# 11
40) Dibenzo(a,h)anthracene	26.244	278	1046	0.004	ng	# 1
41) Benzo(g,h,i)perylene	26.967	276	1256	0.004	ng	# 66

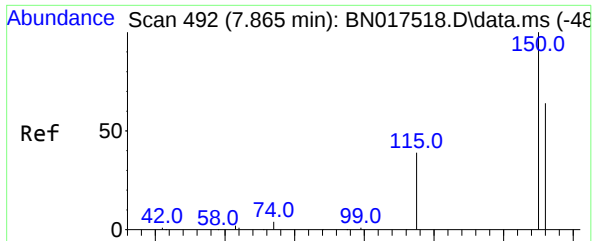
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111921\
Data File : BN017524.D
Acq On : 19 Nov 2021 15:30
Operator : CG/JU
Sample : PB140867BL
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB140867BL

Quant Time: Nov 19 16:02:19 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN111921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 19 14:57:14 2021
Response via : Initial Calibration

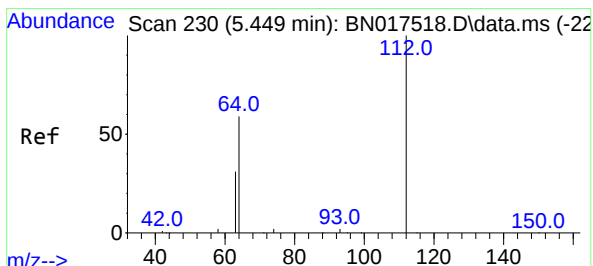
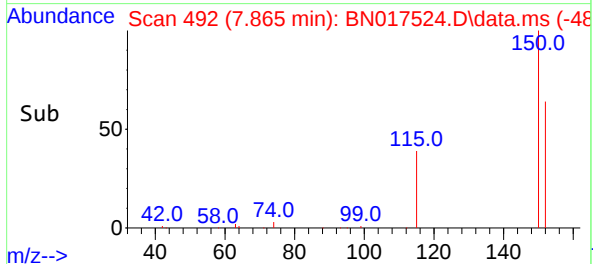
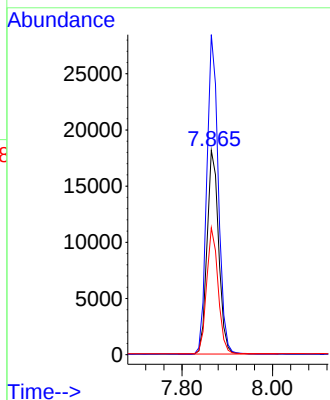
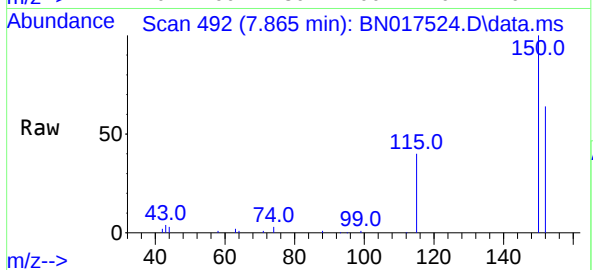




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.865 min Scan# 492
Delta R.T. -0.000 min
Lab File: BN017524.D
Acq: 19 Nov 2021 15:30

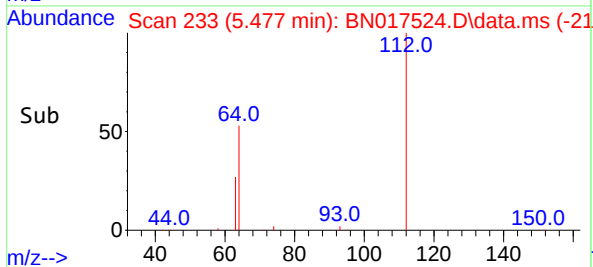
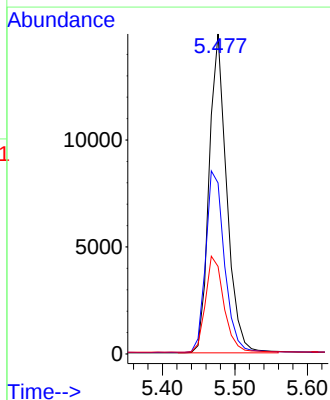
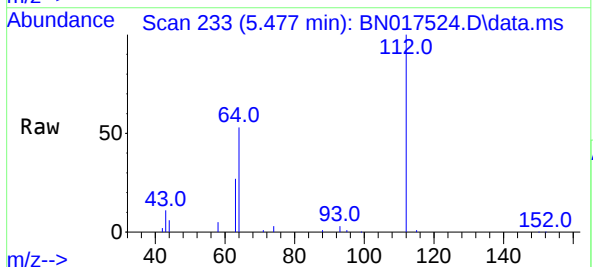
Instrument :
BNA_N
ClientSampleId :
PB140867BL

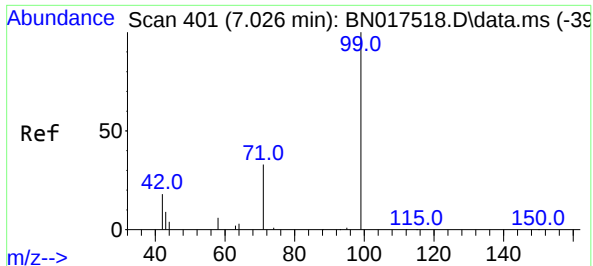
Tgt Ion:152 Resp: 32302
Ion Ratio Lower Upper
152 100
150 156.6 123.0 184.4
115 62.1 45.6 68.4



#4
2-Fluorophenol
Concen: 0.314 ng
RT: 5.477 min Scan# 233
Delta R.T. 0.028 min
Lab File: BN017524.D
Acq: 19 Nov 2021 15:30

Tgt Ion:112 Resp: 25129
Ion Ratio Lower Upper
112 100
64 60.9 47.6 71.4
63 31.5 24.6 37.0

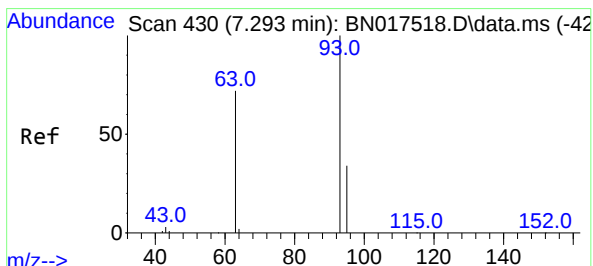
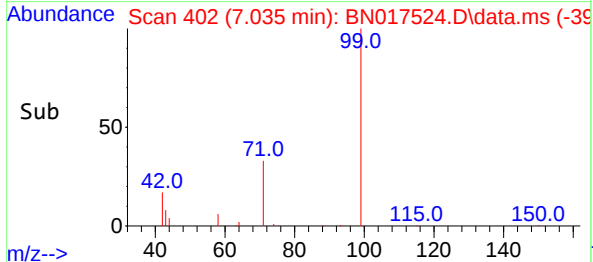
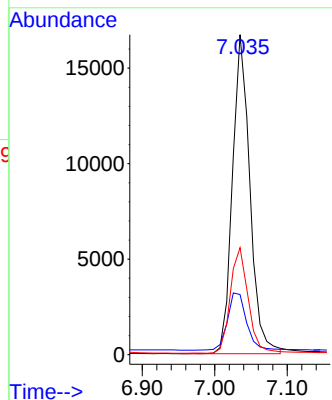
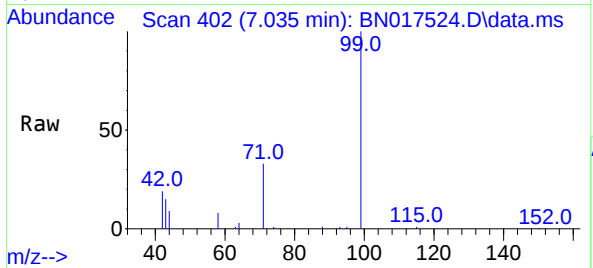




#5
Phenol-d6
Concen: 0.308 ng
RT: 7.035 min Scan# 401
Delta R.T. 0.009 min
Lab File: BN017524.D
Acq: 19 Nov 2021 15:30

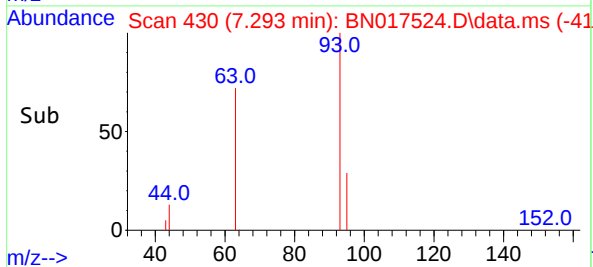
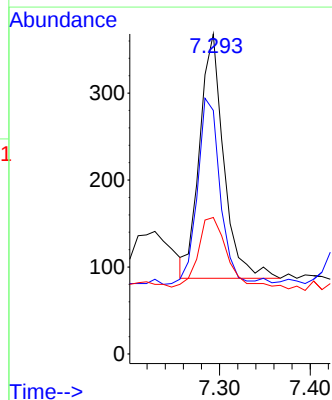
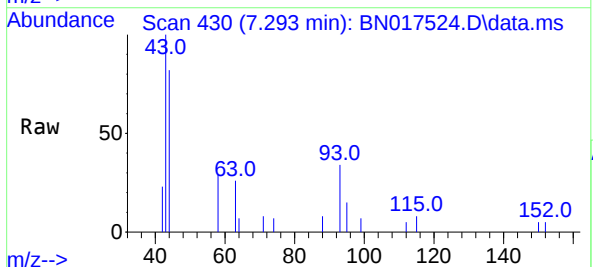
Instrument :
BNA_N
ClientSampleId :
PB140867BL

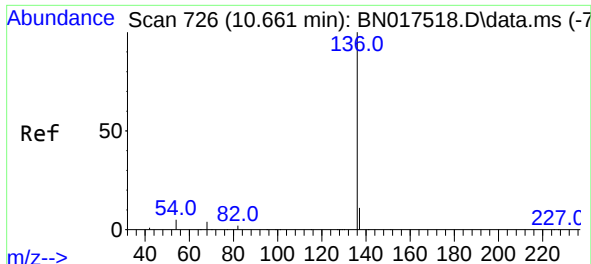
Tgt Ion: 99 Resp: 27854
Ion Ratio Lower Upper
99 100
42 19.7 17.0 25.6
71 33.9 24.8 37.2



#6
bis(2-Chloroethyl)ether
Concen: 0.006 ng
RT: 7.293 min Scan# 430
Delta R.T. 0.000 min
Lab File: BN017524.D
Acq: 19 Nov 2021 15:30

Tgt Ion: 93 Resp: 519
Ion Ratio Lower Upper
93 100
63 72.3 65.8 98.6
95 36.4 26.6 39.8



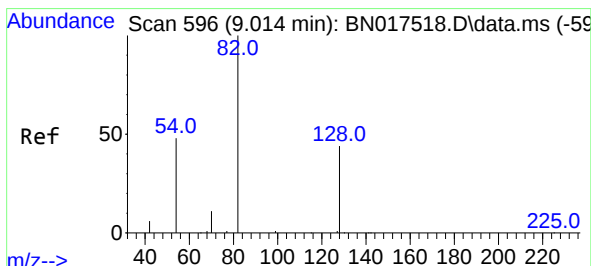
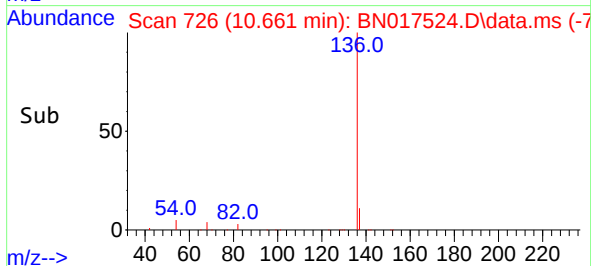
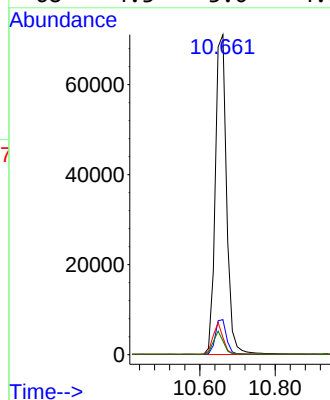
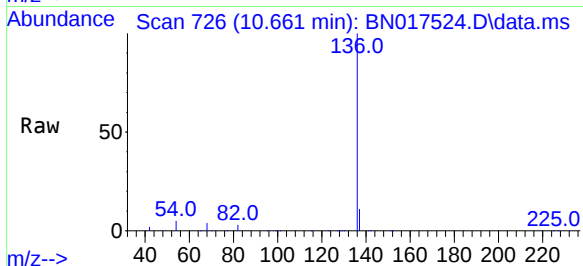


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.661 min Scan# 726
Delta R.T. 0.000 min
Lab File: BN017524.D
Acq: 19 Nov 2021 15:30

Instrument :
BNA_N
ClientSampleId :
PB140867BL

Tgt Ion:136 Resp: 147770

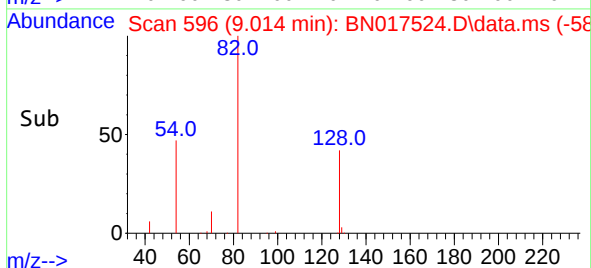
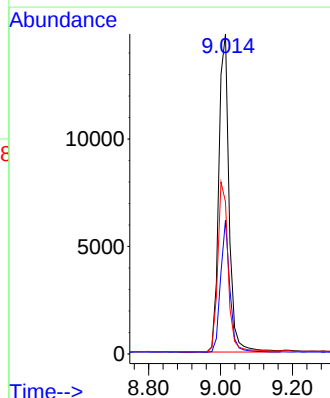
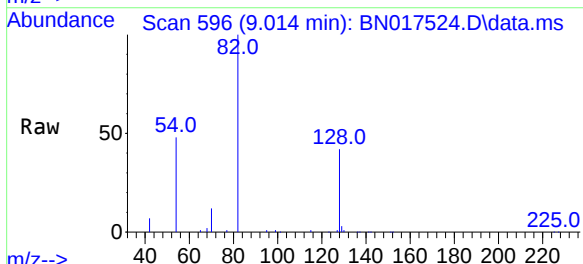
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	5.3	4.0	6.0
68	4.3	3.0	4.6

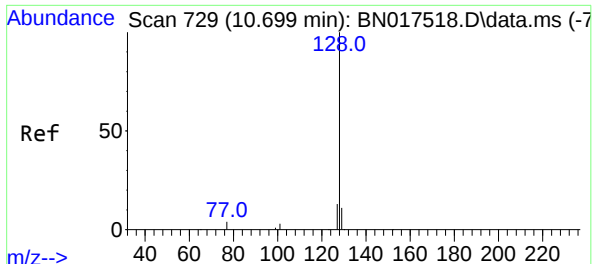


#8
Nitrobenzene-d5
Concen: 0.304 ng
RT: 9.014 min Scan# 596
Delta R.T. -0.000 min
Lab File: BN017524.D
Acq: 19 Nov 2021 15:30

Tgt Ion: 82 Resp: 29608

Ion	Ratio	Lower	Upper
82	100		
128	41.9	27.7	41.5#
54	47.6	49.2	73.8#

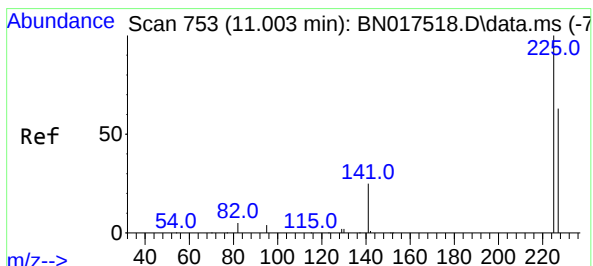
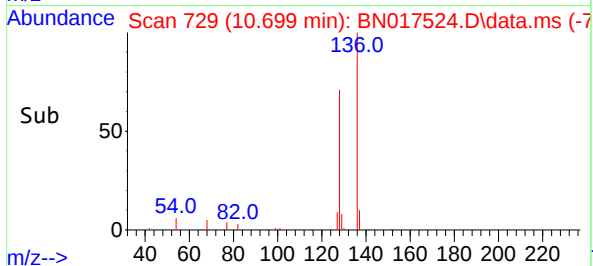
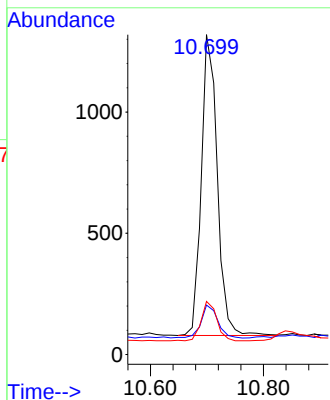
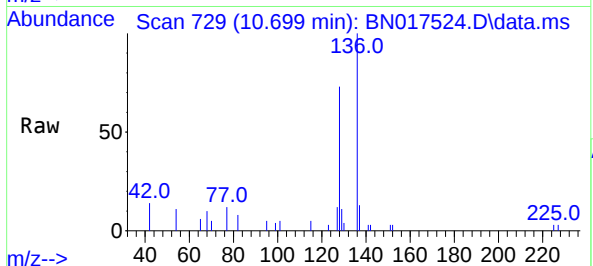




#9
Naphthalene
Concen: 0.006 ng
RT: 10.699 min Scan# 729
Delta R.T. 0.000 min
Lab File: BN017524.D
Acq: 19 Nov 2021 15:30

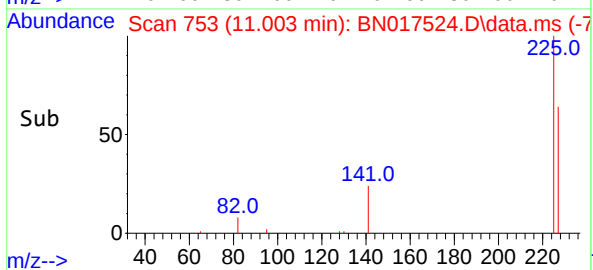
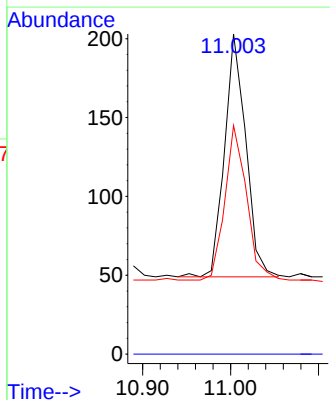
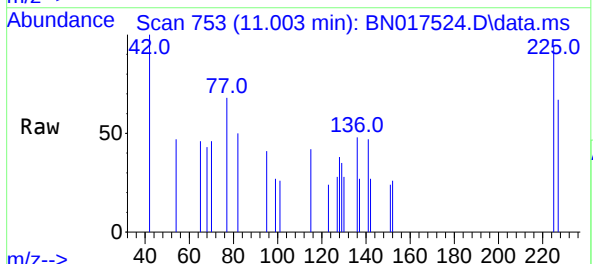
Instrument :
BNA_N
ClientSampleId :
PB140867BL

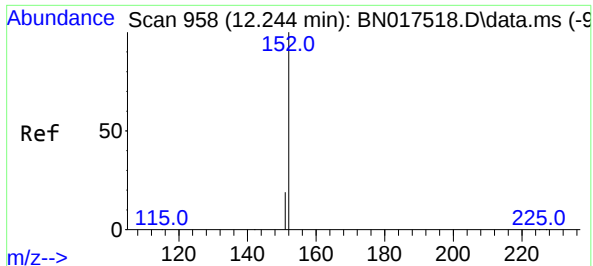
Tgt Ion:128 Resp: 2432
Ion Ratio Lower Upper
128 100
129 15.5 8.8 13.2#
127 16.6 10.6 15.8#



#10
Hexachlorobutadiene
Concen: 0.004 ng
RT: 11.003 min Scan# 753
Delta R.T. 0.000 min
Lab File: BN017524.D
Acq: 19 Nov 2021 15:30

Tgt Ion:225 Resp: 259
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 64.5 51.1 76.7





#11

2-Methylnaphthalene-d10

Concen: 0.290 ng

RT: 12.244 min Scan# 911

Delta R.T. -0.000 min

Lab File: BN017524.D

Acq: 19 Nov 2021 15:30

Instrument :

BNA_N

ClientSampleId :

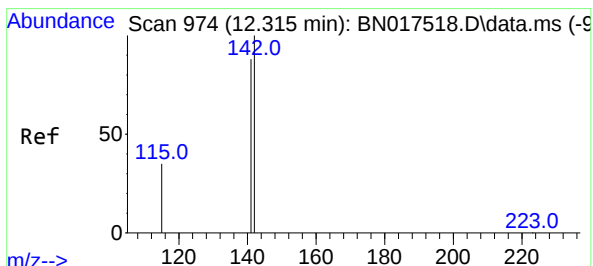
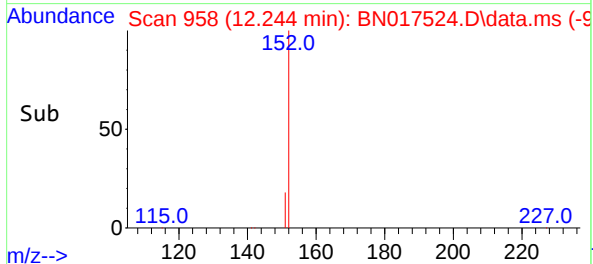
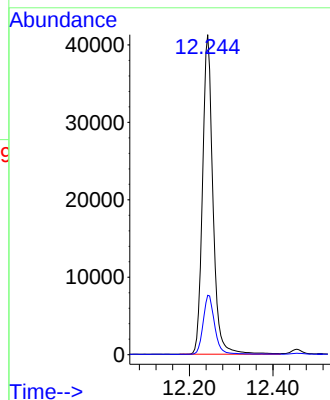
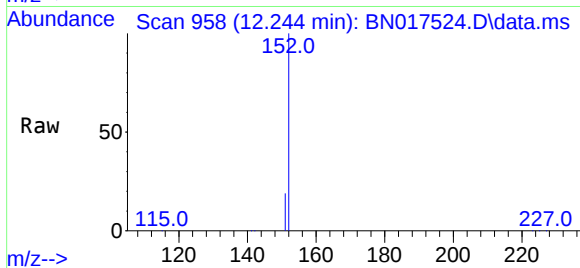
PB140867BL

Tgt Ion:152 Resp: 71389

Ion Ratio Lower Upper

152 100

151 20.3 16.2 24.4



#12

2-Methylnaphthalene

Concen: 0.005 ng

RT: 12.315 min Scan# 974

Delta R.T. 0.000 min

Lab File: BN017524.D

Acq: 19 Nov 2021 15:30

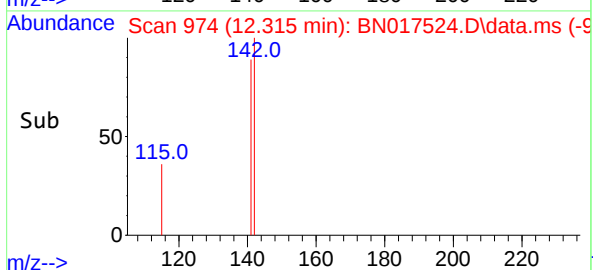
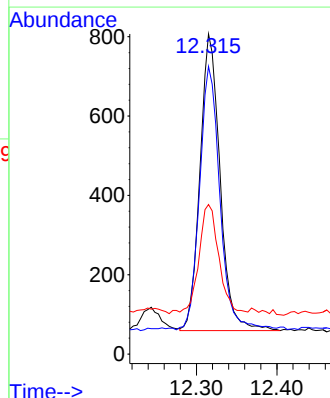
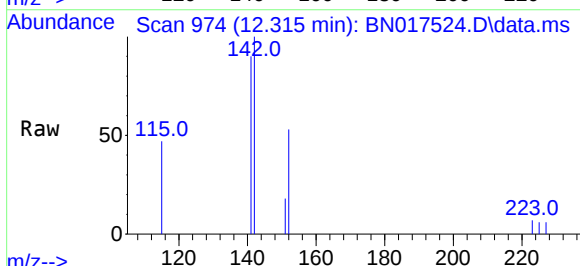
Tgt Ion:142 Resp: 1298

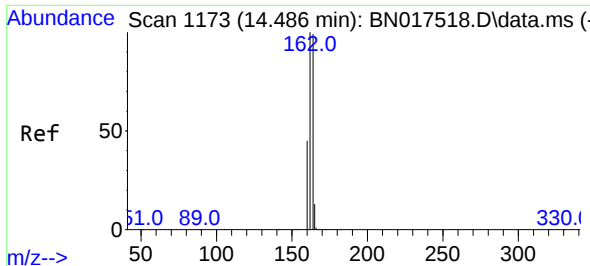
Ion Ratio Lower Upper

142 100

141 89.8 70.6 106.0

115 46.7 25.8 38.6#

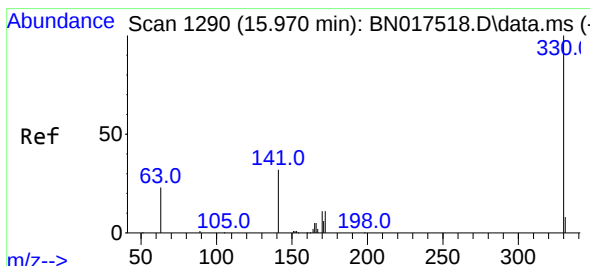
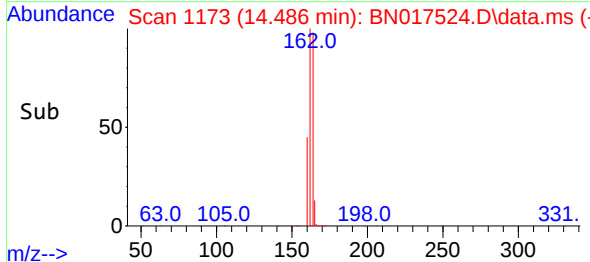
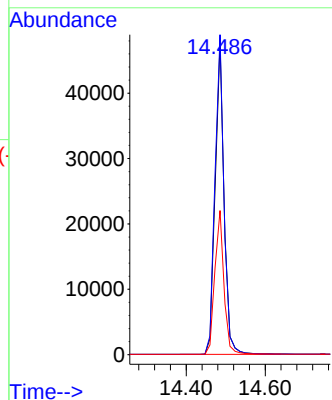
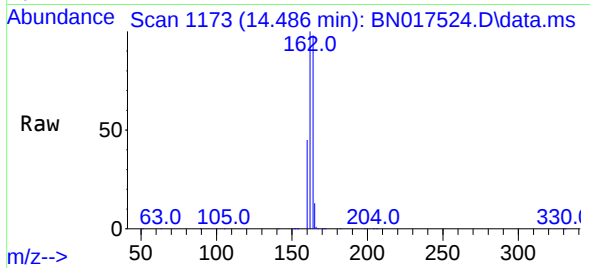




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.486 min Scan# 1173
Delta R.T. -0.001 min
Lab File: BN017524.D
Acq: 19 Nov 2021 15:30

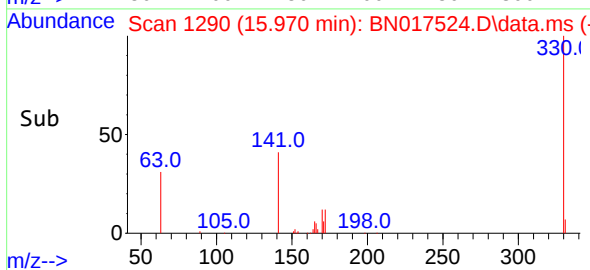
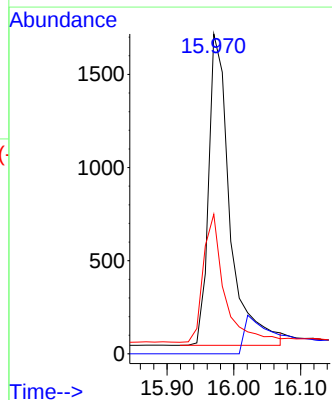
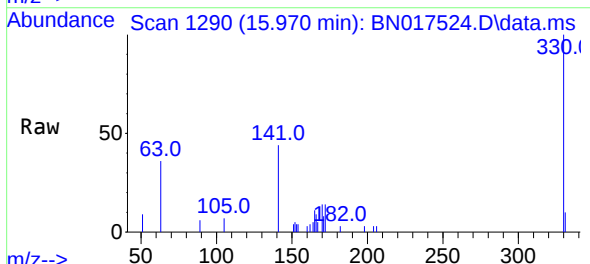
Instrument :
BNA_N
ClientSampleId :
PB140867BL

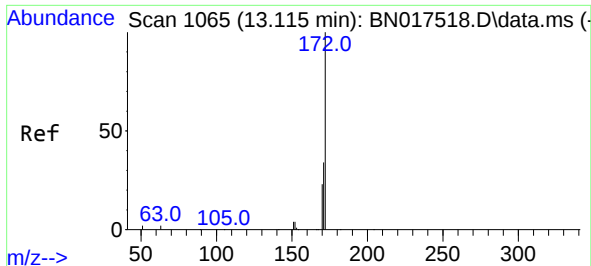
Tgt Ion:164 Resp: 75192
Ion Ratio Lower Upper
164 100
162 102.1 81.4 122.2
160 46.0 36.8 55.2



#14
2,4,6-Tribromophenol
Concen: 0.159 ng
RT: 15.970 min Scan# 1290
Delta R.T. -0.000 min
Lab File: BN017524.D
Acq: 19 Nov 2021 15:30

Tgt Ion:330 Resp: 3671
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 40.6 28.9 43.3

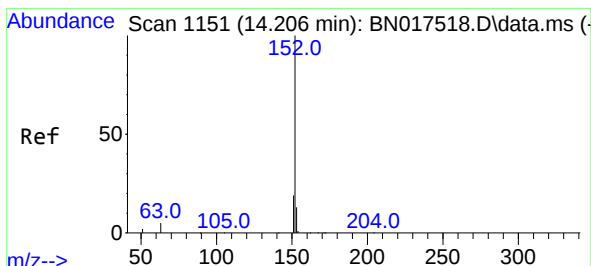
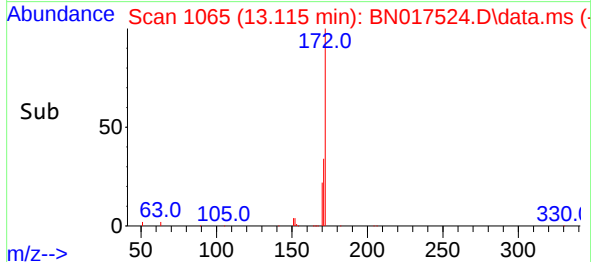
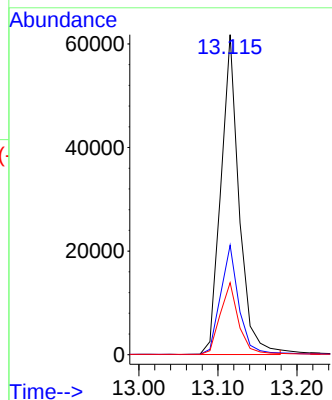
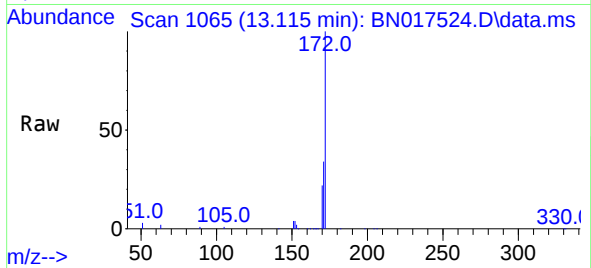




#15
2-Fluorobiphenyl
Concen: 0.352 ng
RT: 13.115 min Scan# 1065
Delta R.T. 0.000 min
Lab File: BN017524.D
Acq: 19 Nov 2021 15:30

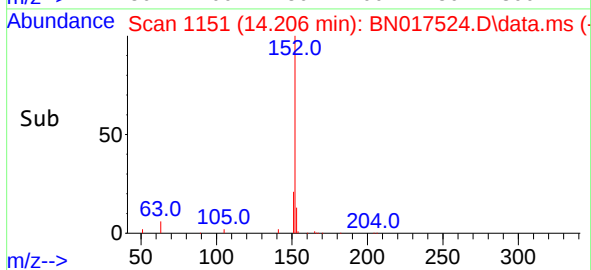
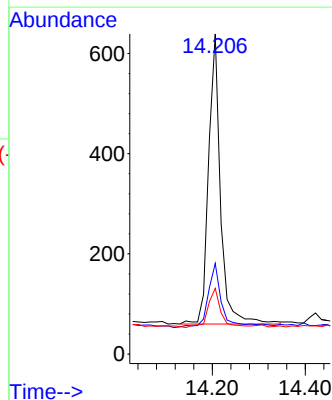
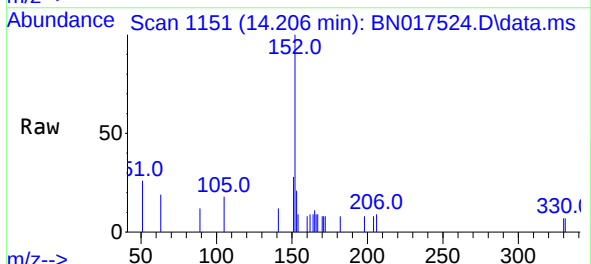
Instrument :
BNA_N
ClientSampleId :
PB140867BL

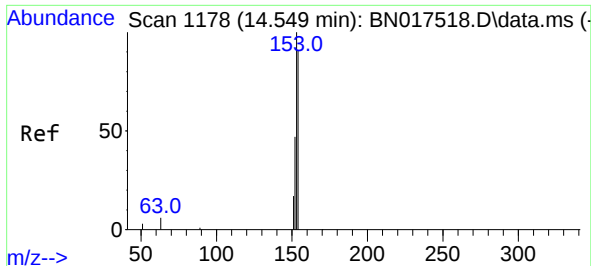
Tgt Ion:172 Resp: 98588
Ion Ratio Lower Upper
172 100
171 34.2 28.7 43.1
170 22.5 19.4 29.2



#16
Acenaphthylene
Concen: 0.003 ng
RT: 14.206 min Scan# 1151
Delta R.T. 0.000 min
Lab File: BN017524.D
Acq: 19 Nov 2021 15:30

Tgt Ion:152 Resp: 1038
Ion Ratio Lower Upper
152 100
151 26.1 15.5 23.3#
153 14.3 10.4 15.6

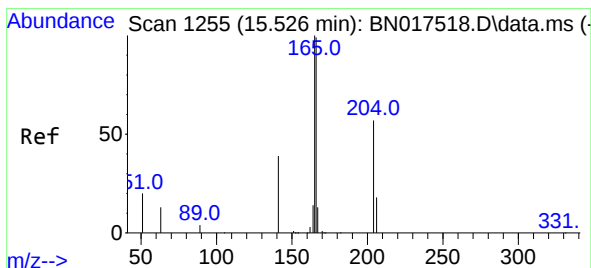
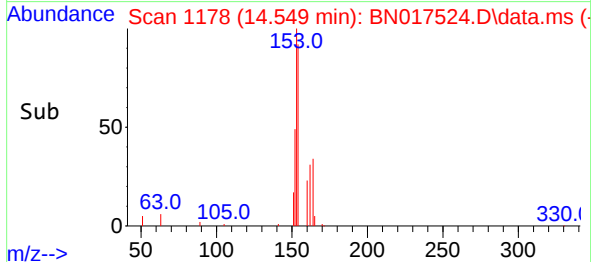
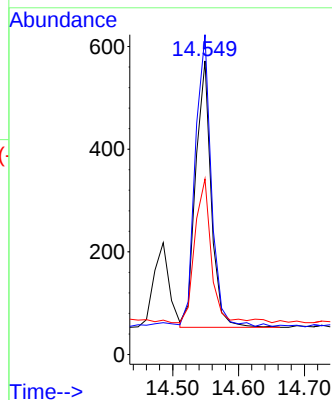
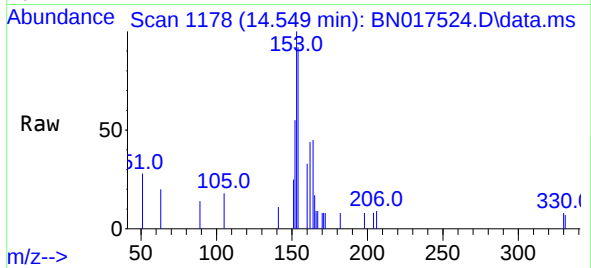




#17
Acenaphthene
Concen: 0.004 ng
RT: 14.549 min Scan# 1178
Delta R.T. -0.000 min
Lab File: BN017524.D
Acq: 19 Nov 2021 15:30

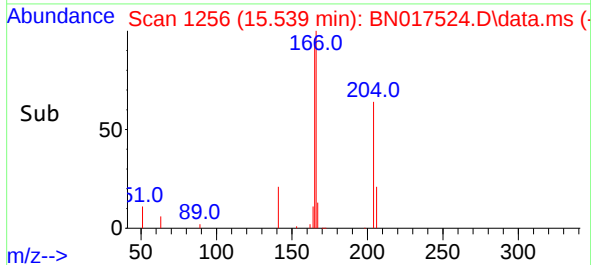
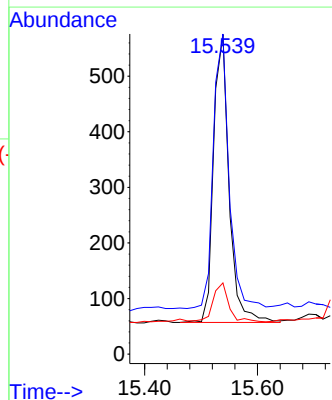
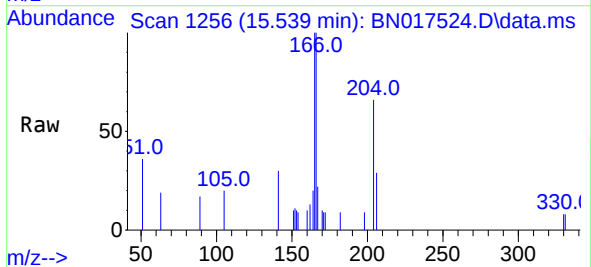
Instrument :
BNA_N
ClientSampleId :
PB140867BL

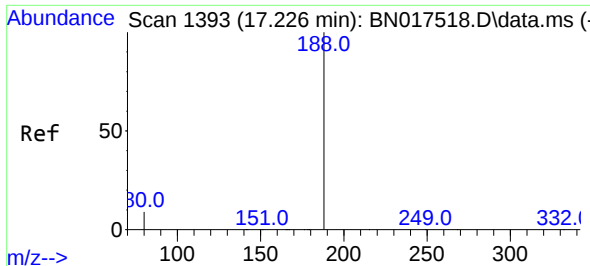
Tgt Ion:154 Resp: 851
Ion Ratio Lower Upper
154 100
153 116.0 91.2 136.8
152 57.2 44.3 66.5



#18
Fluorene
Concen: 0.004 ng
RT: 15.539 min Scan# 1256
Delta R.T. 0.013 min
Lab File: BN017524.D
Acq: 19 Nov 2021 15:30

Tgt Ion:166 Resp: 987
Ion Ratio Lower Upper
166 100
165 96.8 77.9 116.9
167 14.0 10.9 16.3

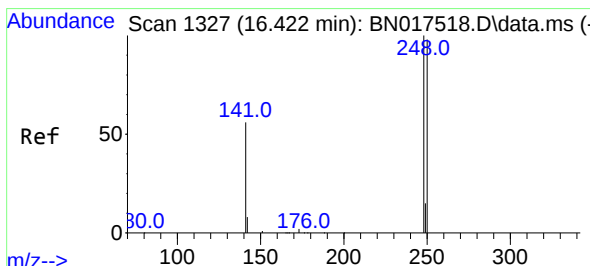
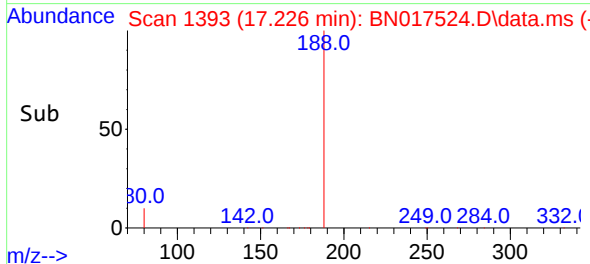
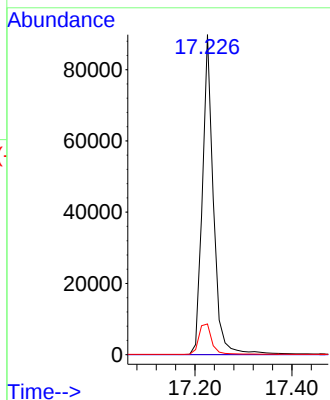
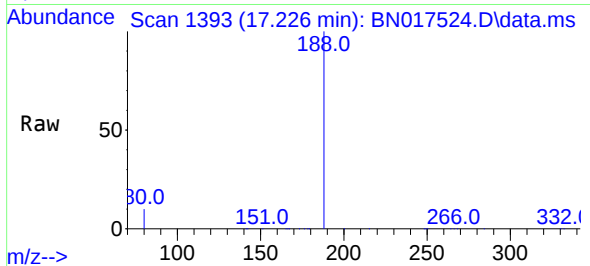




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.226 min Scan# 1393
Delta R.T. -0.000 min
Lab File: BN017524.D
Acq: 19 Nov 2021 15:30

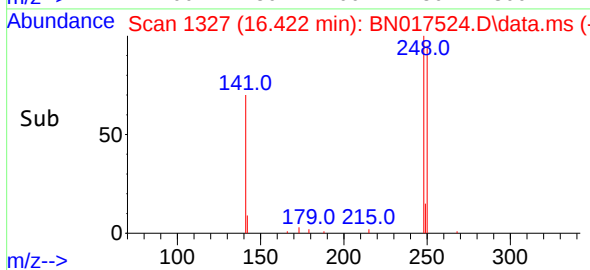
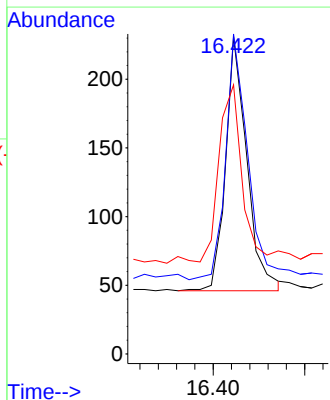
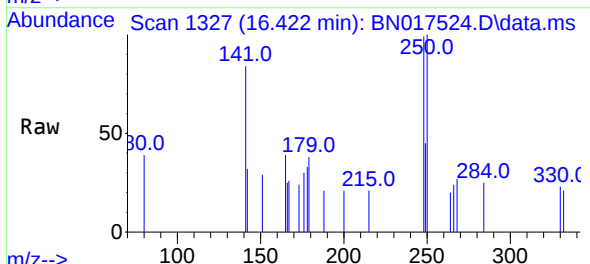
Instrument :
BNA_N
ClientSampleId :
PB140867BL

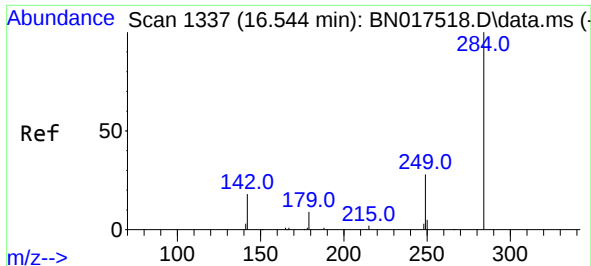
Tgt Ion:188 Resp: 142476
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 9.6 6.1 9.1#



#21
4-Bromophenyl-phenylether
Concen: 0.004 ng
RT: 16.422 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BN017524.D
Acq: 19 Nov 2021 15:30

Tgt Ion:248 Resp: 299
Ion Ratio Lower Upper
248 100
250 100.9 71.8 107.8
141 84.8 70.9 106.3

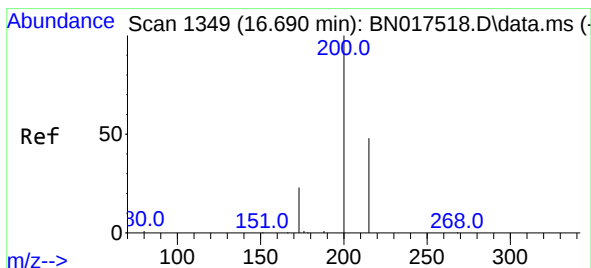
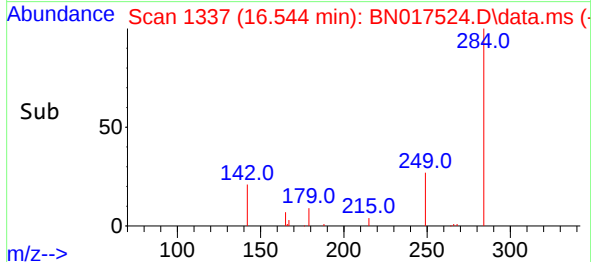
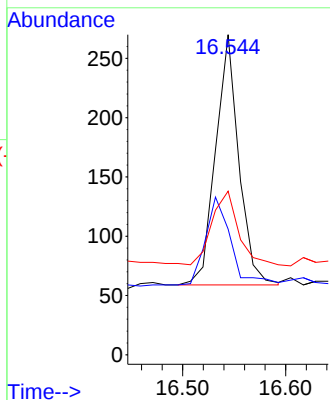
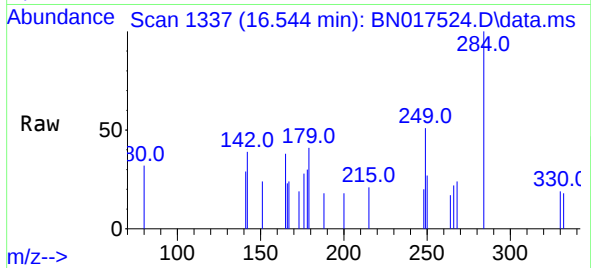




#22
Hexachlorobenzene
Concen: 0.004 ng
RT: 16.544 min Scan# 1337
Delta R.T. 0.000 min
Lab File: BN017524.D
Acq: 19 Nov 2021 15:30

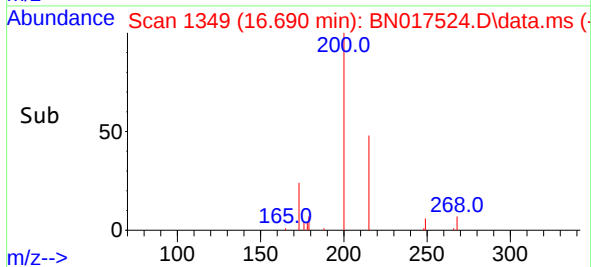
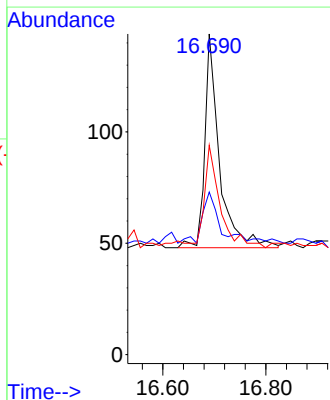
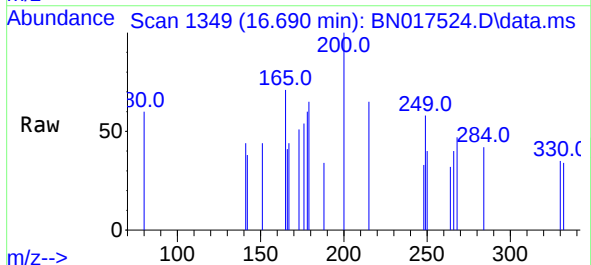
Instrument :
BNA_N
ClientSampleId :
PB140867BL

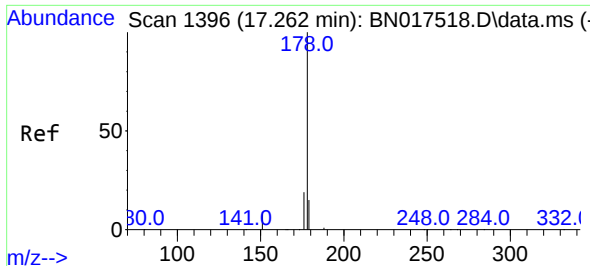
Tgt Ion:284 Resp: 331
Ion Ratio Lower Upper
284 100
142 37.8 28.2 42.2
249 32.9 24.4 36.6



#23
Atrazine
Concen: 0.004 ng
RT: 16.690 min Scan# 1349
Delta R.T. 0.000 min
Lab File: BN017524.D
Acq: 19 Nov 2021 15:30

Tgt Ion:200 Resp: 191
Ion Ratio Lower Upper
200 100
173 50.7 17.6 26.4#
215 65.3 40.2 60.4#

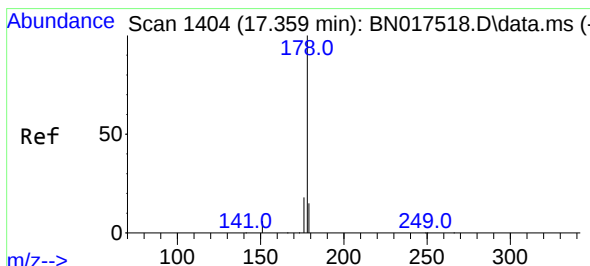
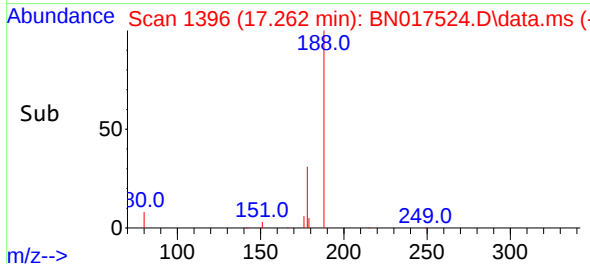
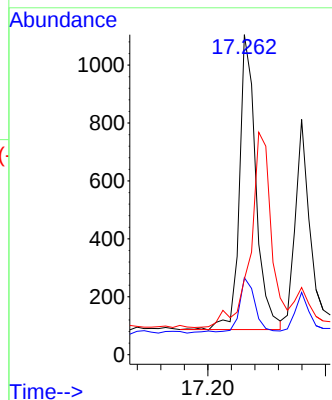
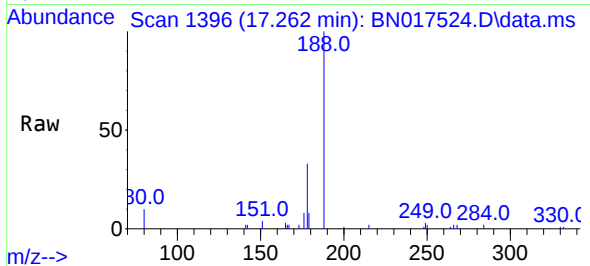




#25
Phenanthrene
Concen: 0.005 ng
RT: 17.262 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN017524.D
Acq: 19 Nov 2021 15:30

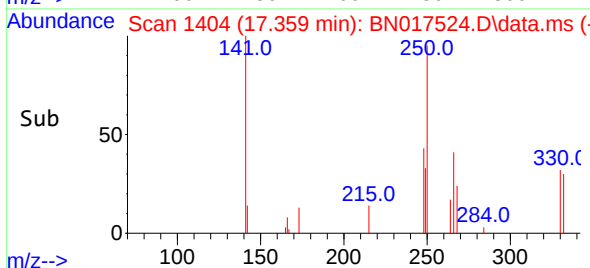
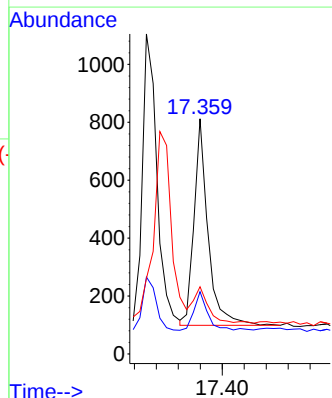
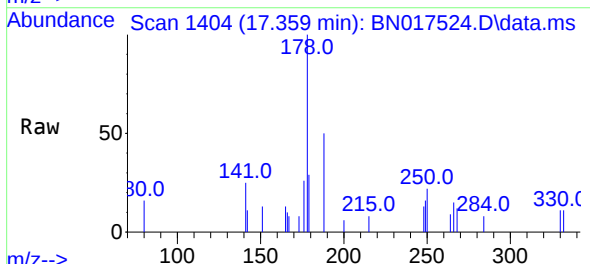
Instrument :
BNA_N
ClientSampleId :
PB140867BL

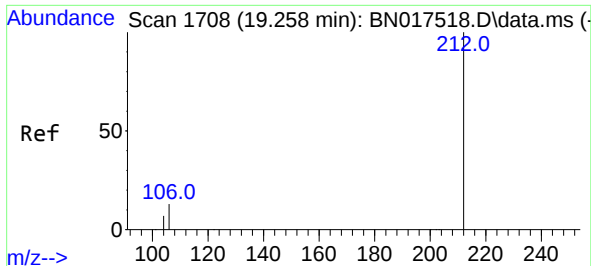
Tgt Ion:178 Resp: 1969
Ion Ratio Lower Upper
178 100
176 19.6 15.0 22.6
179 0.0 12.3 18.5#



#26
Anthracene
Concen: 0.004 ng
RT: 17.359 min Scan# 1404
Delta R.T. 0.000 min
Lab File: BN017524.D
Acq: 19 Nov 2021 15:30

Tgt Ion:178 Resp: 1265
Ion Ratio Lower Upper
178 100
176 18.3 14.6 22.0
179 19.2 12.2 18.4#

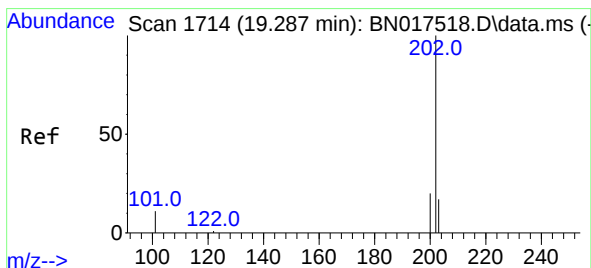
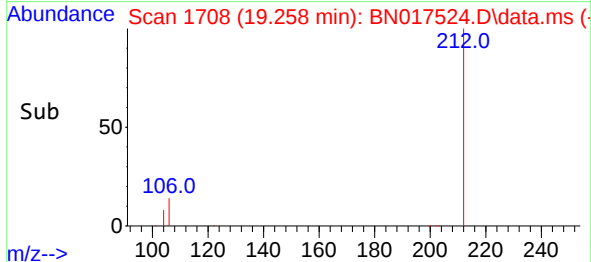
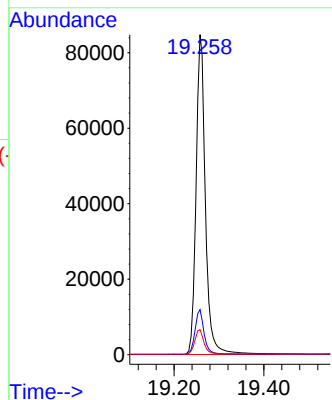
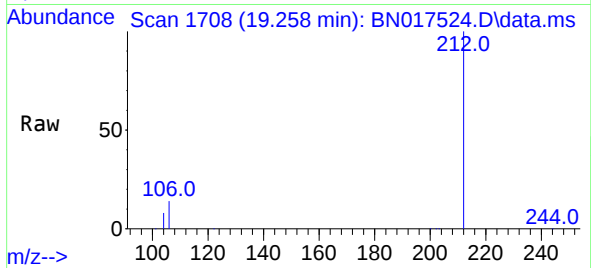




#27
Fluoranthene-d10
Concen: 0.281 ng
RT: 19.258 min Scan# 1708
Delta R.T. -0.000 min
Lab File: BN017524.D
Acq: 19 Nov 2021 15:30

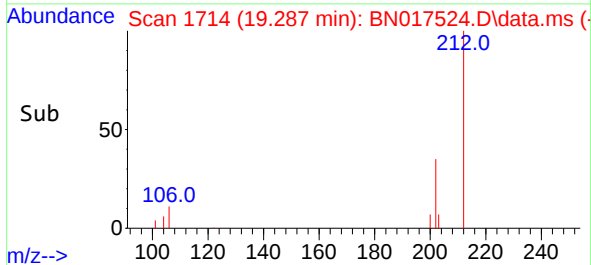
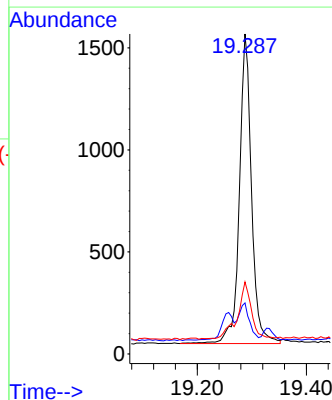
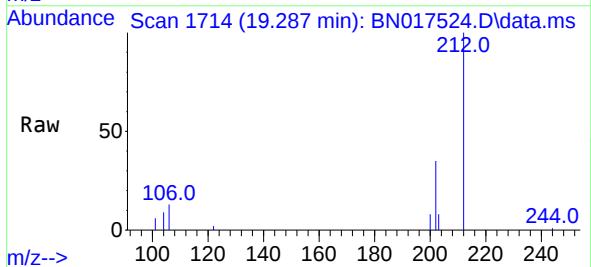
Instrument :
BNA_N
ClientSampleId :
PB140867BL

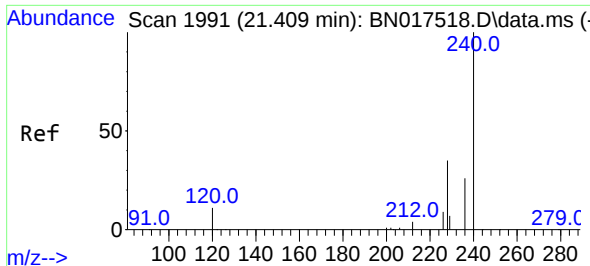
Tgt Ion:212 Resp: 123339
Ion Ratio Lower Upper
212 100
106 13.6 10.5 15.7
104 7.6 5.8 8.6



#28
Fluoranthene
Concen: 0.005 ng
RT: 19.287 min Scan# 1714
Delta R.T. 0.000 min
Lab File: BN017524.D
Acq: 19 Nov 2021 15:30

Tgt Ion:202 Resp: 2350
Ion Ratio Lower Upper
202 100
101 10.8 8.9 13.3
203 20.6 13.8 20.6

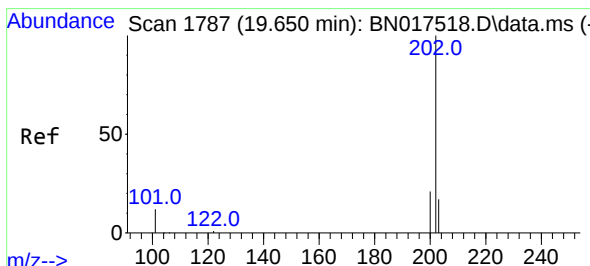
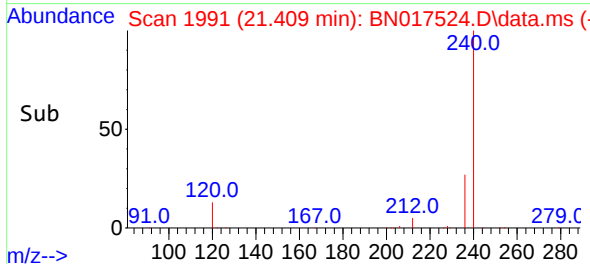
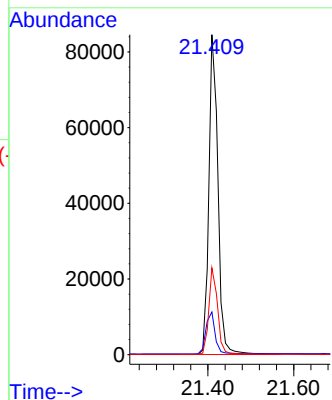
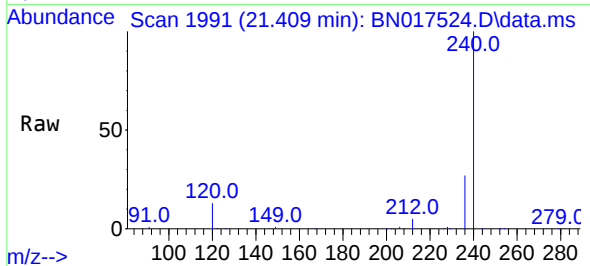




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.409 min Scan# 1991
Delta R.T. 0.000 min
Lab File: BN017524.D
Acq: 19 Nov 2021 15:30

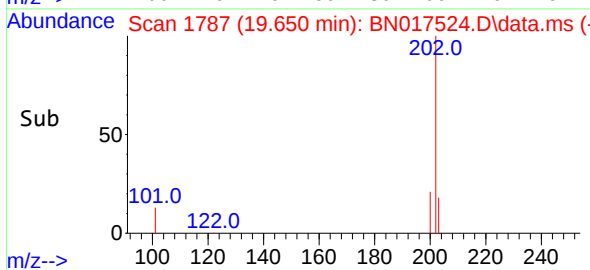
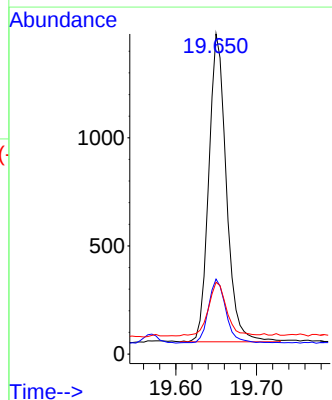
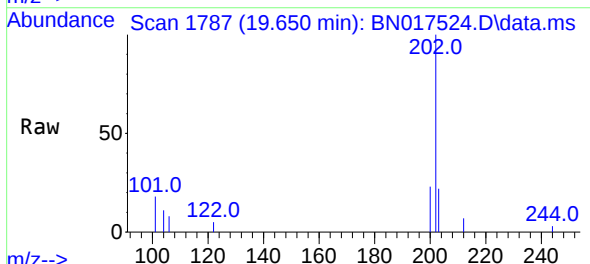
Instrument :
BNA_N
ClientSampleId :
PB140867BL

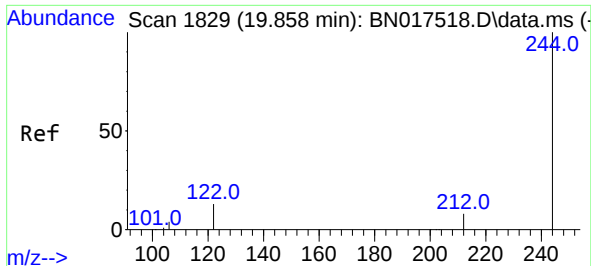
Tgt Ion:240 Resp: 123970
Ion Ratio Lower Upper
240 100
120 13.4 4.2 6.2#
236 27.1 20.0 30.0



#30
Pyrene
Concen: 0.005 ng
RT: 19.650 min Scan# 1787
Delta R.T. -0.000 min
Lab File: BN017524.D
Acq: 19 Nov 2021 15:30

Tgt Ion:202 Resp: 2150
Ion Ratio Lower Upper
202 100
200 20.6 16.5 24.7
203 18.3 14.0 21.0

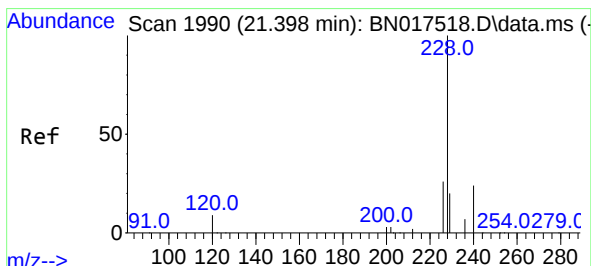
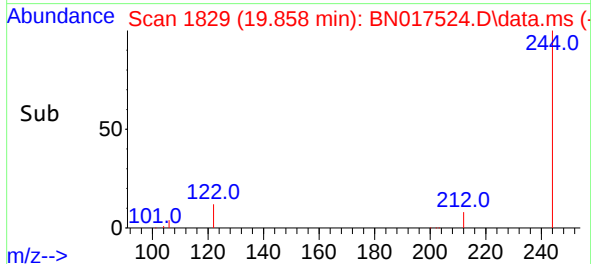
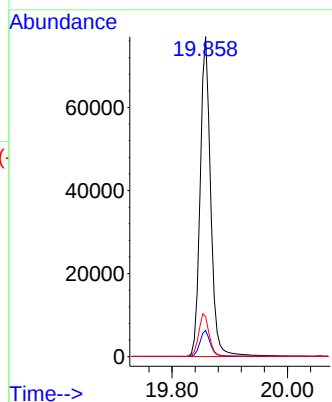
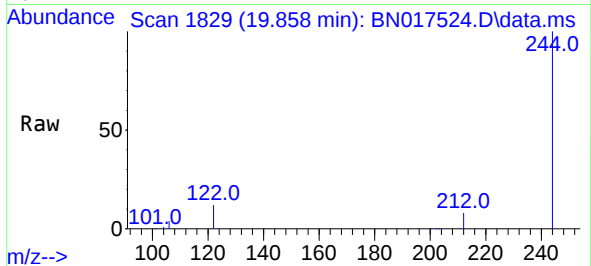




#31
 Terphenyl-d14
 Concen: 0.358 ng
 RT: 19.858 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BN017524.D
 Acq: 19 Nov 2021 15:30

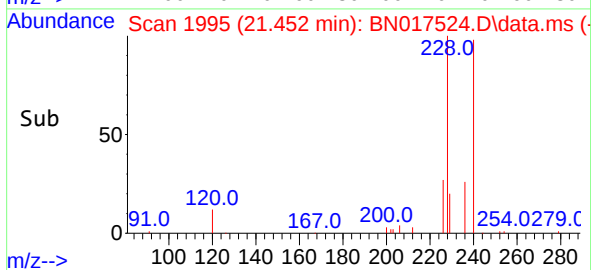
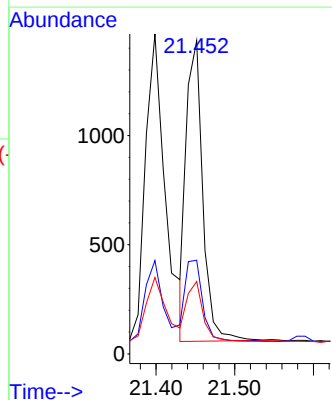
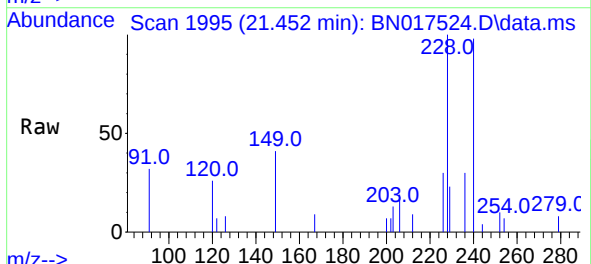
Instrument :
 BNA_N
 ClientSampleId :
 PB140867BL

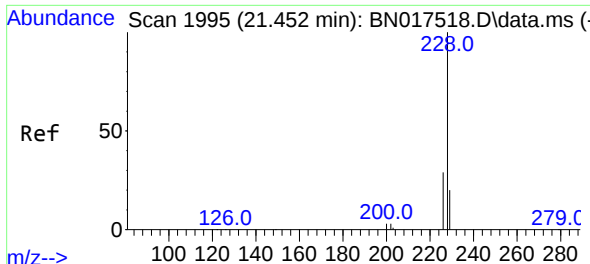
Tgt Ion:244 Resp: 97420
 Ion Ratio Lower Upper
 244 100
 212 8.2 5.7 8.5
 122 12.5 8.6 13.0



#32
 Benzo(a)anthracene
 Concen: 0.005 ng
 RT: 21.452 min Scan# 1995
 Delta R.T. 0.054 min
 Lab File: BN017524.D
 Acq: 19 Nov 2021 15:30

Tgt Ion:228 Resp: 2010
 Ion Ratio Lower Upper
 228 100
 226 29.9 21.3 31.9
 229 23.2 15.7 23.5

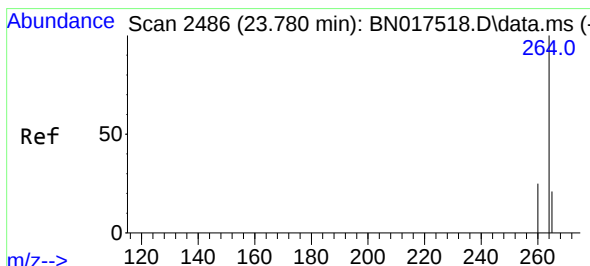
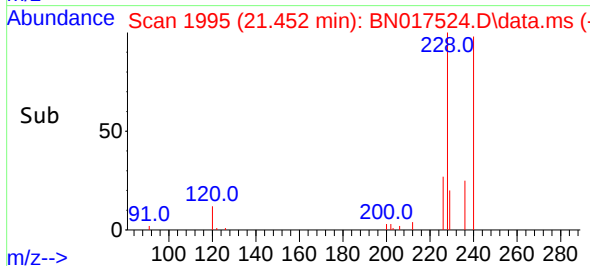
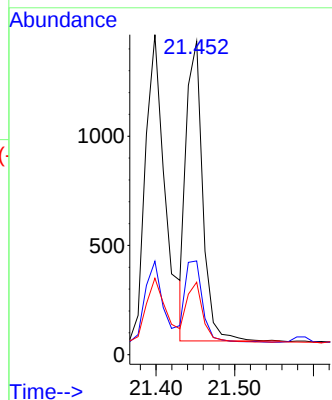
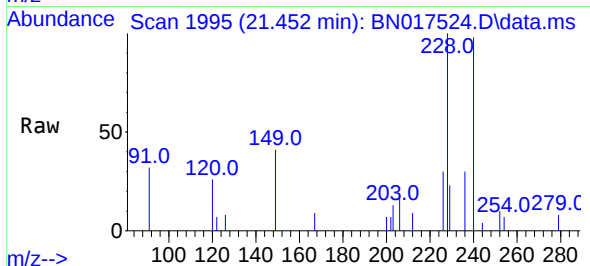




#33
Chrysene
Concen: 0.005 ng
RT: 21.452 min Scan# 1995
Delta R.T. -0.000 min
Lab File: BN017524.D
Acq: 19 Nov 2021 15:30

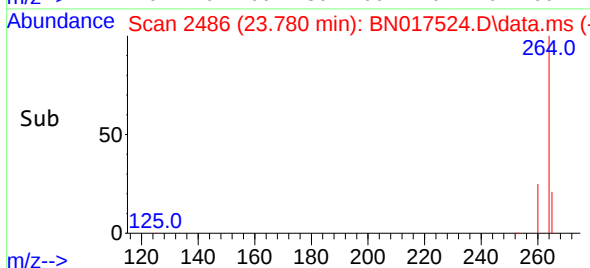
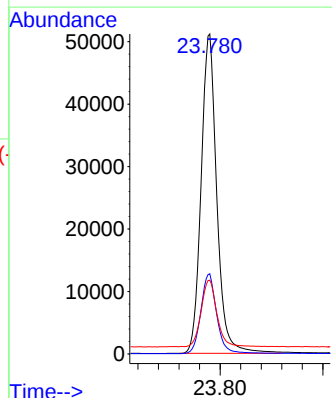
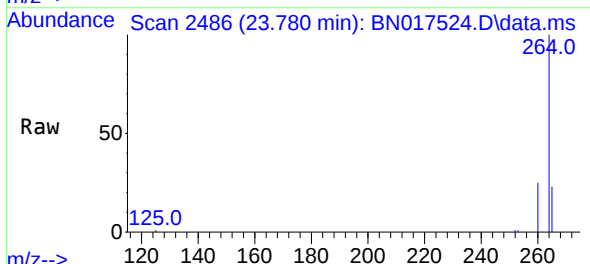
Instrument :
BNA_N
ClientSampleId :
PB140867BL

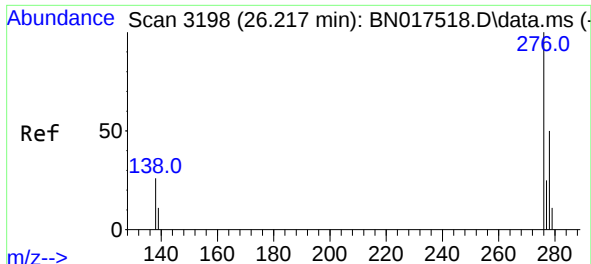
Tgt Ion:228 Resp: 1987
Ion Ratio Lower Upper
228 100
226 29.9 23.3 34.9
229 23.2 15.6 23.4



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.780 min Scan# 2486
Delta R.T. -0.000 min
Lab File: BN017524.D
Acq: 19 Nov 2021 15:30

Tgt Ion:264 Resp: 108348
Ion Ratio Lower Upper
264 100
260 25.0 19.4 29.2
265 23.0 18.6 28.0

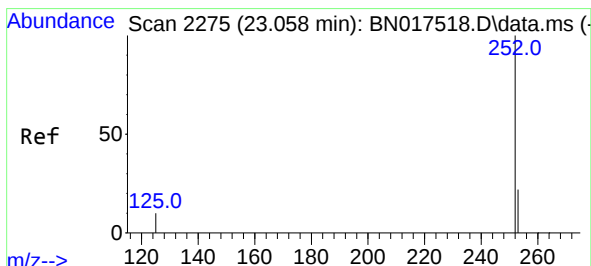
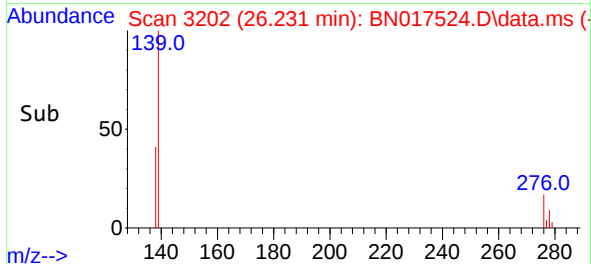
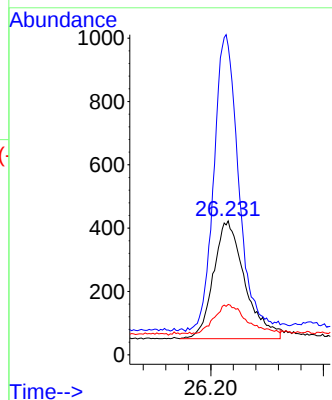
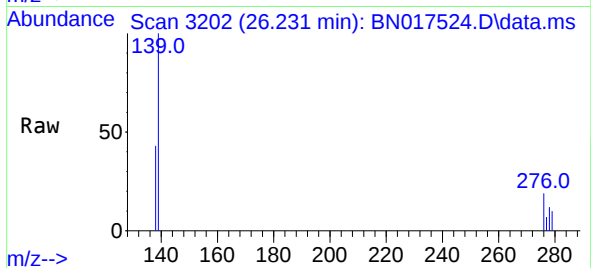




#36
Indeno(1,2,3-cd)pyrene
Concen: 0.004 ng
RT: 26.231 min Scan# 3198
Delta R.T. 0.014 min
Lab File: BN017524.D
Acq: 19 Nov 2021 15:30

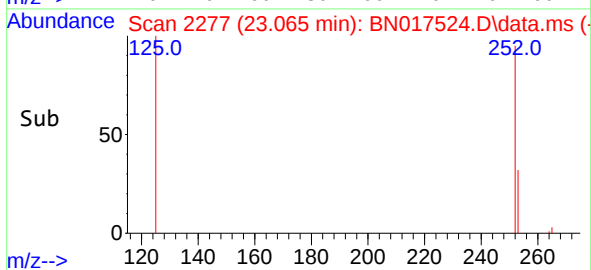
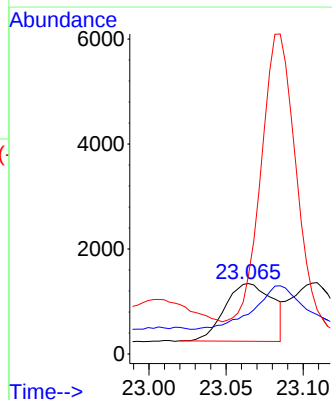
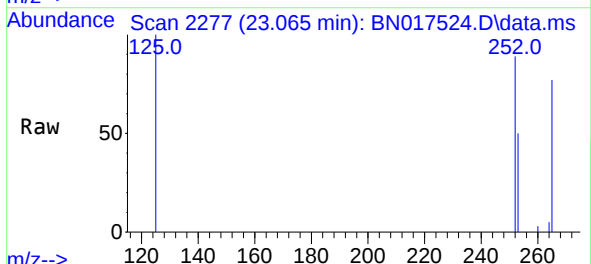
Instrument :
BNA_N
ClientSampleId :
PB140867BL

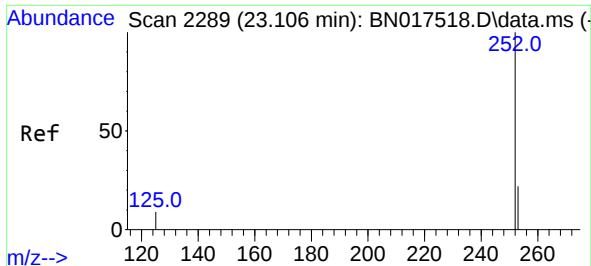
Tgt Ion:276 Resp: 1435
Ion Ratio Lower Upper
276 100
138 199.0 19.7 29.5#
277 25.7 20.0 30.0



#37
Benzo(b)fluoranthene
Concen: 0.006 ng
RT: 23.065 min Scan# 2277
Delta R.T. 0.007 min
Lab File: BN017524.D
Acq: 19 Nov 2021 15:30

Tgt Ion:252 Resp: 2370
Ion Ratio Lower Upper
252 100
253 56.4 17.7 26.5#
125 112.0 7.8 11.8#

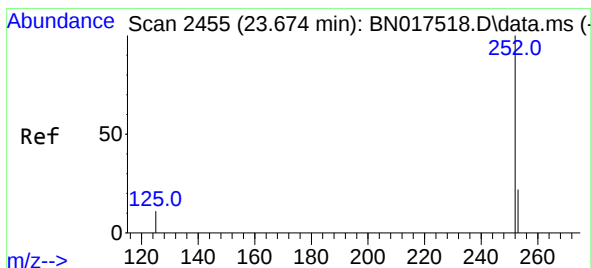
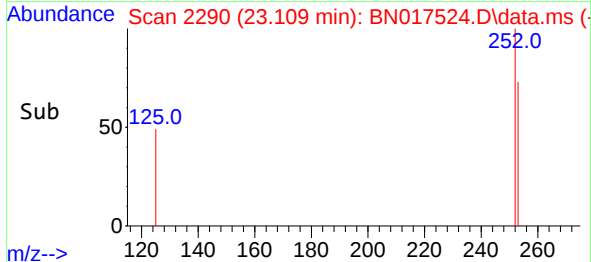
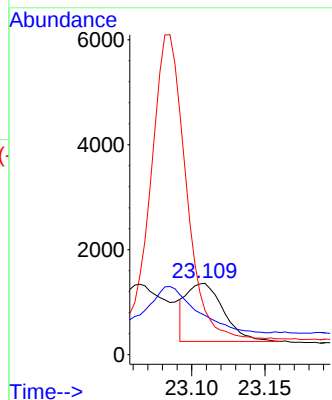
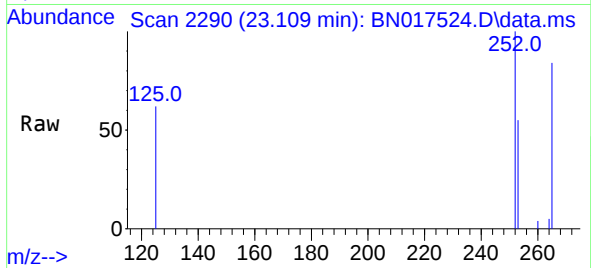




#38
Benzo(k)fluoranthene
Concen: 0.005 ng
RT: 23.109 min Scan# 21
Delta R.T. 0.003 min
Lab File: BN017524.D
Acq: 19 Nov 2021 15:30

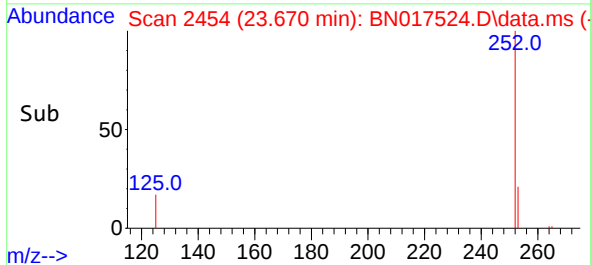
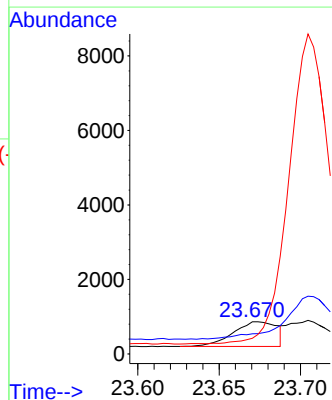
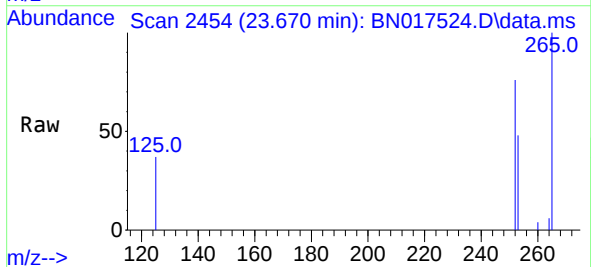
Instrument :
BNA_N
ClientSampleId :
PB140867BL

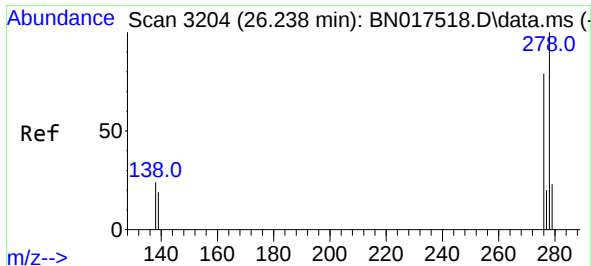
Tgt Ion:252 Resp: 1935
Ion Ratio Lower Upper
252 100
253 55.2 17.7 26.5#
125 61.8 8.2 12.2#



#39
Benzo(a)pyrene
Concen: 0.004 ng
RT: 23.670 min Scan# 2454
Delta R.T. -0.004 min
Lab File: BN017524.D
Acq: 19 Nov 2021 15:30

Tgt Ion:252 Resp: 1253
Ion Ratio Lower Upper
252 100
253 62.8 17.9 26.9#
125 48.8 9.2 13.8#

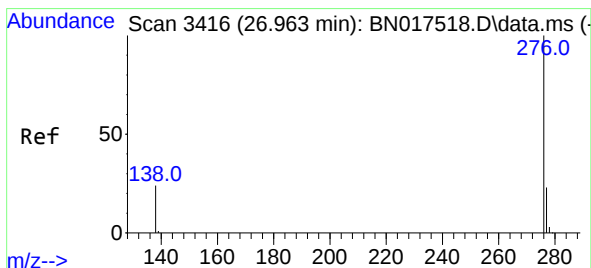
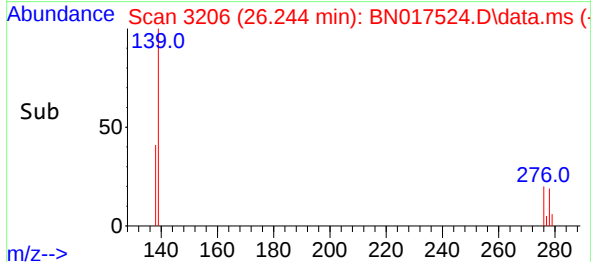
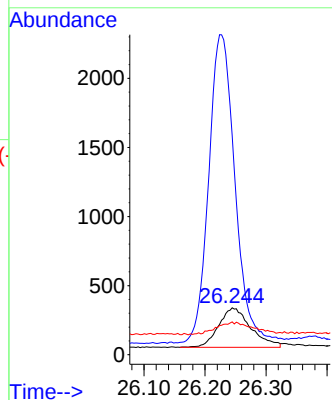
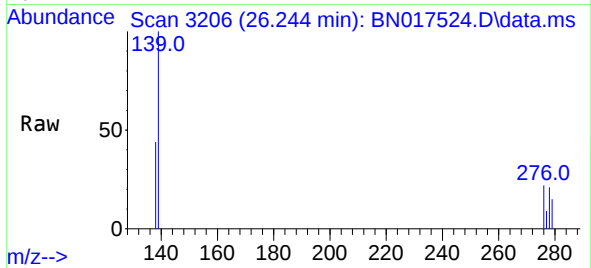




#40
Dibenzo(a,h)anthracene
Concen: 0.004 ng
RT: 26.244 min Scan# 31
Delta R.T. 0.006 min
Lab File: BN017524.D
Acq: 19 Nov 2021 15:30

Instrument :
BNA_N
ClientSampleId :
PB140867BL

Tgt Ion:278 Resp: 1046
Ion Ratio Lower Upper
278 100
139 465.9 13.0 19.6#
279 70.0 19.2 28.8#



#41
Benzo(g,h,i)perylene
Concen: 0.004 ng
RT: 26.967 min Scan# 3417
Delta R.T. 0.004 min
Lab File: BN017524.D
Acq: 19 Nov 2021 15:30

Tgt Ion:276 Resp: 1256
Ion Ratio Lower Upper
276 100
277 37.3 19.0 28.4#
138 40.7 17.1 25.7#

