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 Data File : BN016491.D
 Acq On : 26 Sep 2021 02:02
 Operator : CG/JU
 Sample : M3920-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

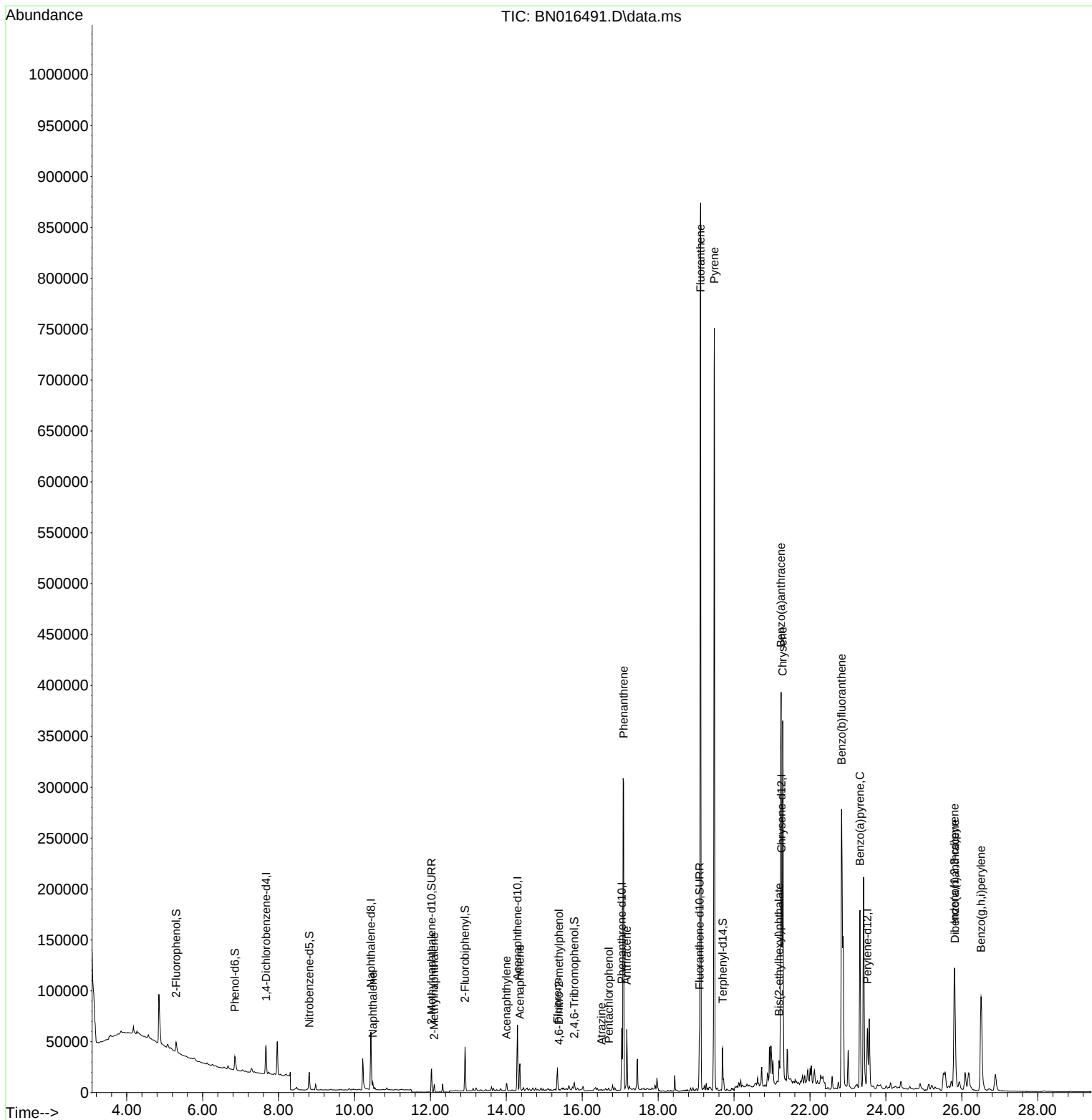
Instrument :
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 ClientSampleId :

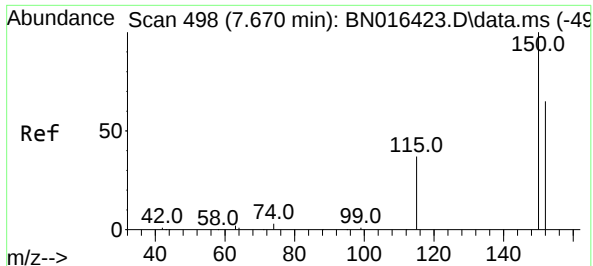
Quant Time: Sep 26 04:47:28 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN092421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 24 03:35:41 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.670	152	16867	0.400	ng	0.00
7) Naphthalene-d8	10.432	136	71485	0.400	ng	#-0.01
13) Acenaphthene-d10	14.294	164	35729	0.400	ng	0.00
19) Phenanthrene-d10	17.042	188	76317	0.400	ng	0.00
29) Chrysene-d12	21.249	240	81689	0.400	ng	# 0.00
35) Perylene-d12	23.512	264	79001	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.300	112	10768	0.285	ng	0.02
5) Phenol-d6	6.850	99	11989	0.268	ng	0.00
8) Nitrobenzene-d5	8.810	82	13560	0.268	ng	0.00
11) 2-Methylnaphthalene-d10	12.030	152	29586	0.279	ng	0.00
14) 2,4,6-Tribromophenol	15.791	330	2225	0.291	ng	0.00
15) 2-Fluorobiphenyl	12.911	172	37480	0.250	ng	-0.01
27) Fluoranthene-d10	19.088	212	59659	0.285	ng	0.00
31) Terphenyl-d14	19.698	244	42175	0.222	ng	0.00
Target Compounds						
9) Naphthalene	10.483	128	9208	0.048	ng	Qvalue 97
12) 2-Methylnaphthalene	12.101	142	5232	0.043	ng	# 95
16) Acenaphthylene	14.002	152	8104	0.056	ng	96
17) Acenaphthene	14.358	154	13124	0.127	ng	# 92
18) Fluorene	15.347	166	13996	0.113	ng	97
20) 4,6-Dinitro-2-methylph...	15.385	198	9	0.148	ng	# 1
23) Atrazine	16.507	200	34	0.136	ng	# 16
24) Pentachlorophenol	16.701	266	168	0.252	ng	92
25) Phenanthrene	17.091	178	370205	1.630	ng	99
26) Anthracene	17.176	178	57804	0.306	ng	# 94
28) Fluoranthene	19.118	202	785902	3.157	ng	98
30) Pyrene	19.480	202	690915	2.701	ng	# 95
32) Benzo(a)anthracene	21.238	228	369679	1.561	ng	97
33) Chrysene	21.281	228	341720	1.343	ng	97
34) Bis(2-ethylhexyl)phtha...	21.185	149	19623	0.304	ng	# 94
36) Indeno(1,2,3-cd)pyrene	25.805	276	197984	0.773	ng	# 94
37) Benzo(b)fluoranthene	22.834	252	460718	1.745	ng	99
39) Benzo(a)pyrene	23.317	252	240255	1.116	ng	99
40) Dibenzo(a,h)anthracene	25.819	278	43965	0.202	ng	# 95
41) Benzo(g,h,i)perylene	26.507	276	205523	0.918	ng	95

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

Quant Time: Sep 26 04:47:28 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN092421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 24 03:35:41 2021
Response via : Initial Calibration

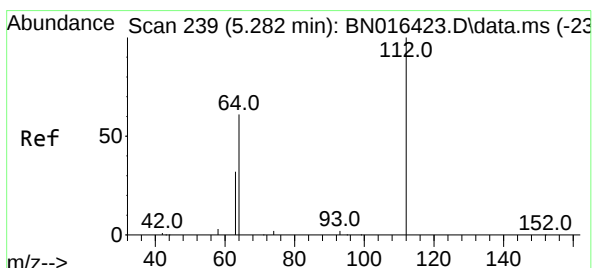
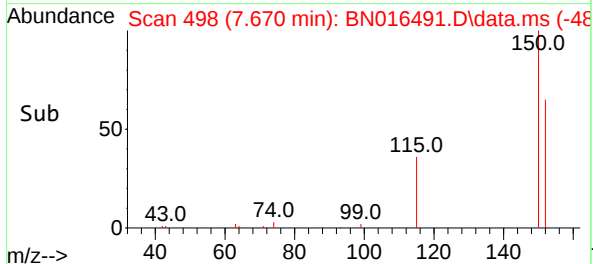
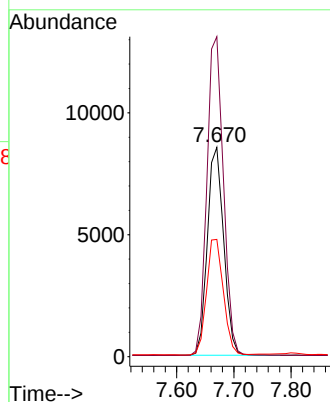
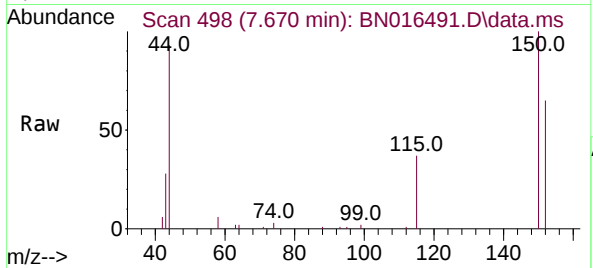




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.670 min Scan# 498
Delta R.T. 0.000 min
Lab File: BN016491.D
Acq: 26 Sep 2021 02:02

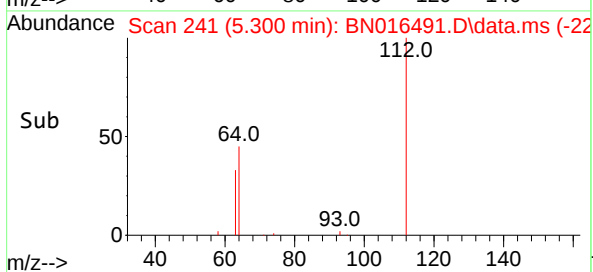
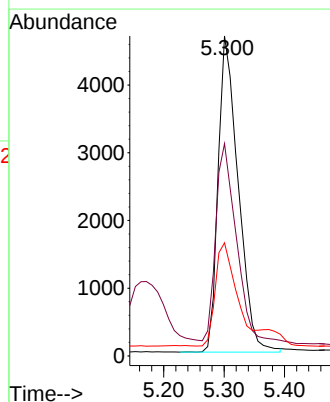
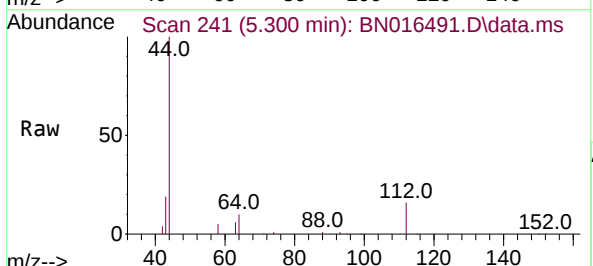
Instrument :
BNA_N
ClientSampleId :

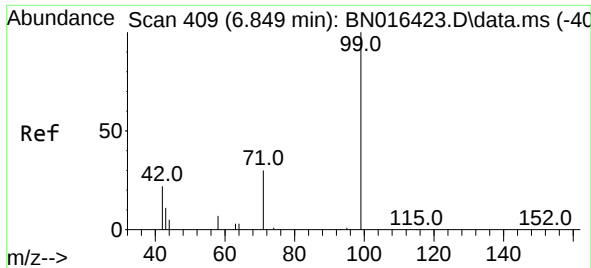
Tgt Ion:152 Resp: 16867
Ion Ratio Lower Upper
152 100
150 152.9 125.6 188.4
115 56.0 50.2 75.2



#4
2-Fluorophenol
Concen: 0.285 ng
RT: 5.300 min Scan# 241
Delta R.T. 0.019 min
Lab File: BN016491.D
Acq: 26 Sep 2021 02:02

Tgt Ion:112 Resp: 10768
Ion Ratio Lower Upper
112 100
64 62.4 47.3 70.9
63 35.4 23.4 35.0#

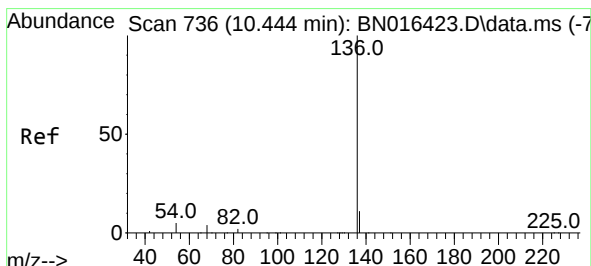
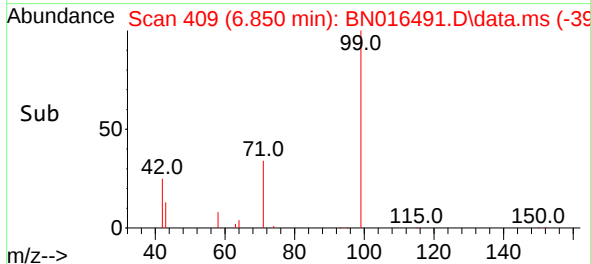
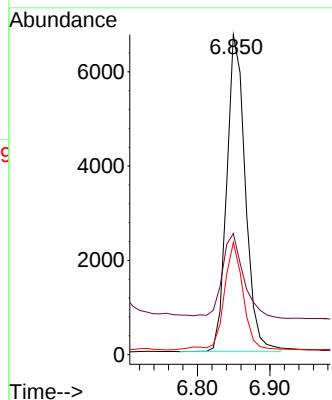
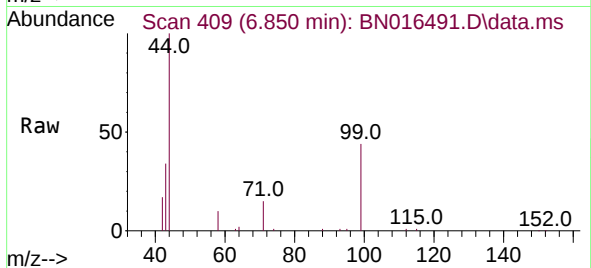




#5
Phenol-d6
Concen: 0.268 ng
RT: 6.850 min Scan# 409
Delta R.T. 0.000 min
Lab File: BN016491.D
Acq: 26 Sep 2021 02:02

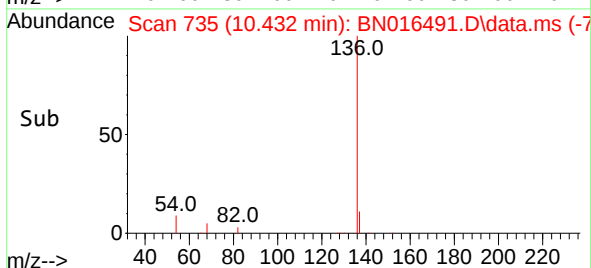
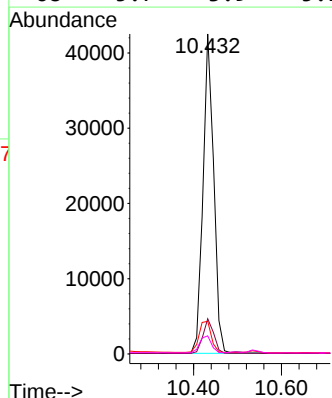
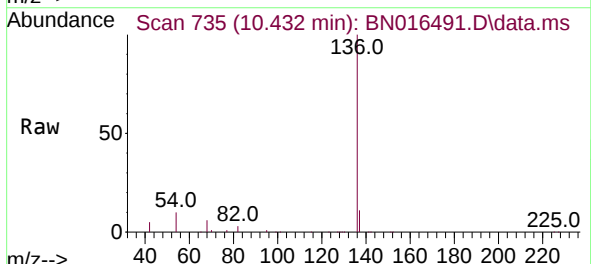
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BNA_N
ClientSampleId :

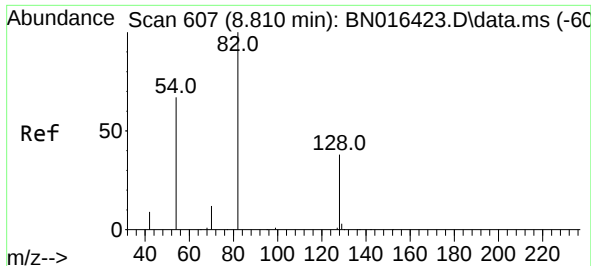
Tgt Ion: 99 Resp: 11989
Ion Ratio Lower Upper
99 100
42 30.6 14.0 21.0#
71 34.3 23.8 35.6



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.432 min Scan# 735
Delta R.T. -0.012 min
Lab File: BN016491.D
Acq: 26 Sep 2021 02:02

Tgt Ion: 136 Resp: 71485
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 10.2 5.3 7.9#
68 5.7 3.9 5.9

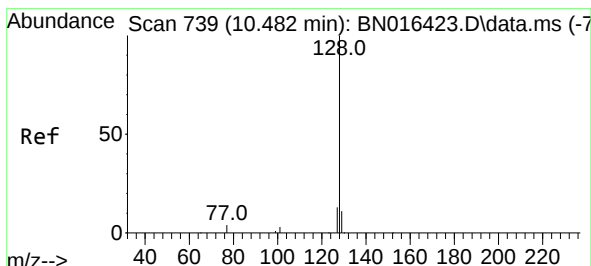
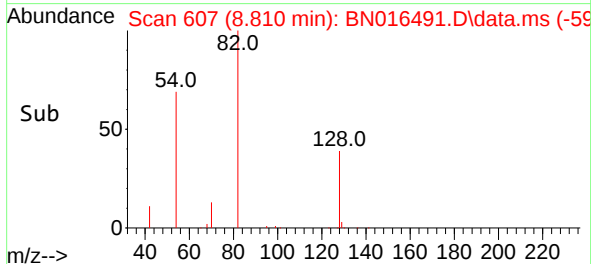
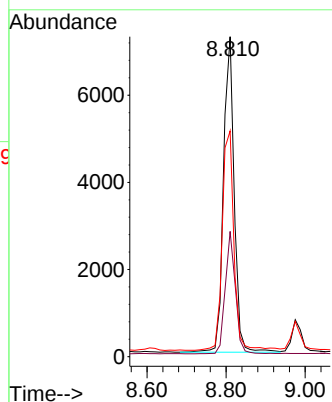
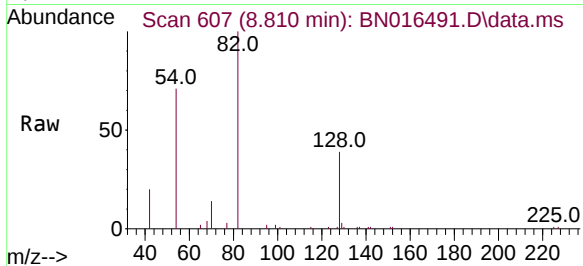




#8
Nitrobenzene-d5
Concen: 0.268 ng
RT: 8.810 min Scan# 607
Delta R.T. 0.000 min
Lab File: BN016491.D
Acq: 26 Sep 2021 02:02

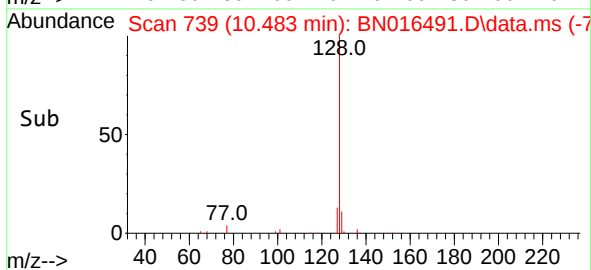
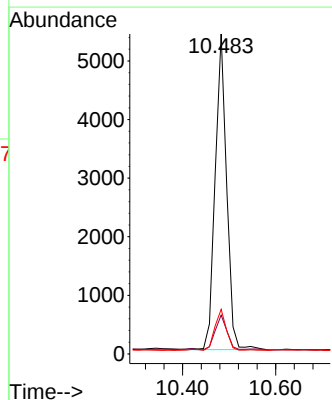
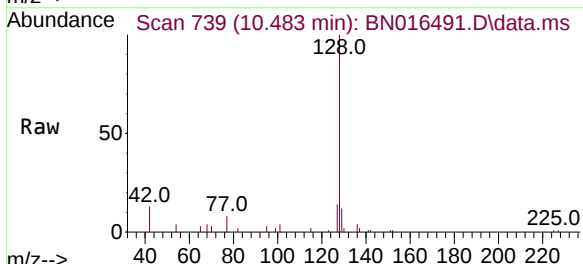
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BNA_N
ClientSampleId :

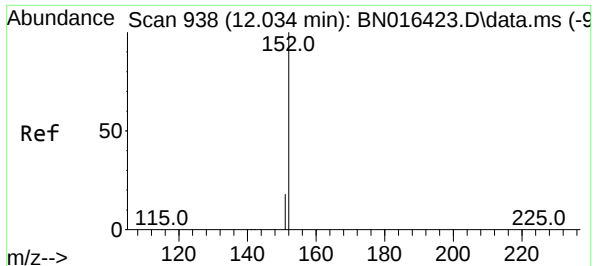
Tgt Ion: 82 Resp: 13560
Ion Ratio Lower Upper
82 100
128 39.2 31.7 47.5
54 70.6 46.4 69.6#



#9
Naphthalene
Concen: 0.048 ng
RT: 10.483 min Scan# 739
Delta R.T. 0.000 min
Lab File: BN016491.D
Acq: 26 Sep 2021 02:02

Tgt Ion: 128 Resp: 9208
Ion Ratio Lower Upper
128 100
129 12.1 8.9 13.3
127 14.0 10.1 15.1

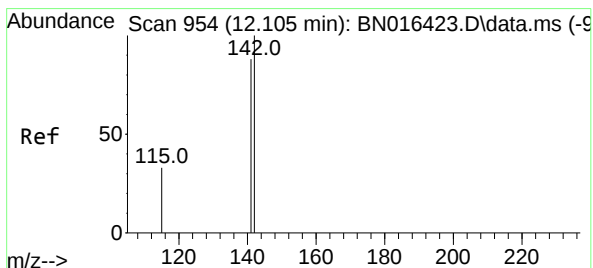
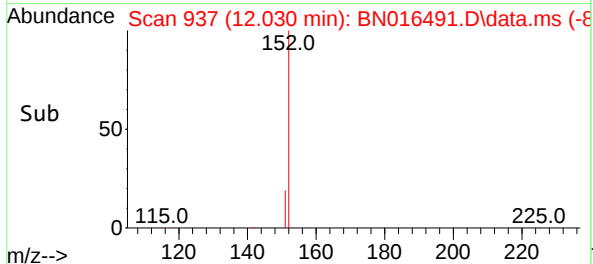
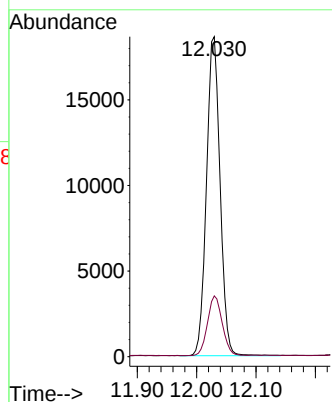
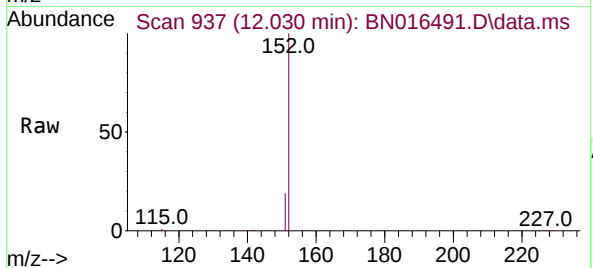




#11
2-Methylnaphthalene-d10
Concen: 0.279 ng
RT: 12.030 min Scan# 937
Delta R.T. -0.004 min
Lab File: BN016491.D
Acq: 26 Sep 2021 02:02

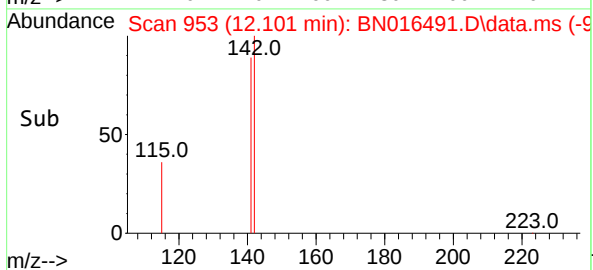
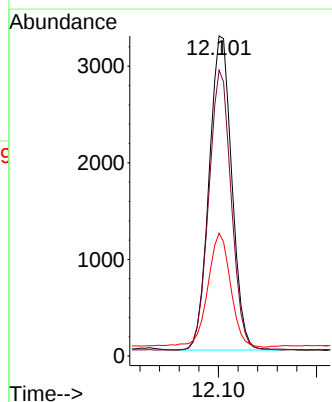
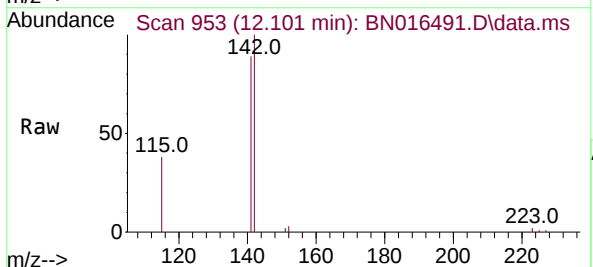
Instrument :
BNA_N
ClientSampleId :

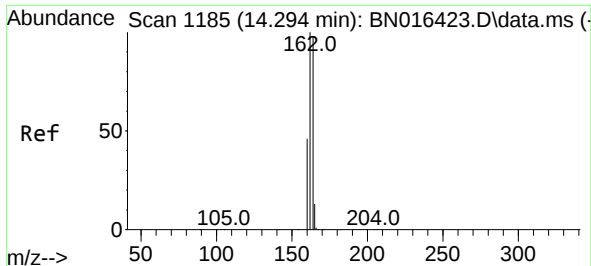
Tgt Ion:152 Resp: 29586
Ion Ratio Lower Upper
152 100
151 20.2 16.1 24.1



#12
2-Methylnaphthalene
Concen: 0.043 ng
RT: 12.101 min Scan# 953
Delta R.T. -0.004 min
Lab File: BN016491.D
Acq: 26 Sep 2021 02:02

Tgt Ion:142 Resp: 5232
Ion Ratio Lower Upper
142 100
141 89.3 69.8 104.8
115 38.3 24.4 36.6#

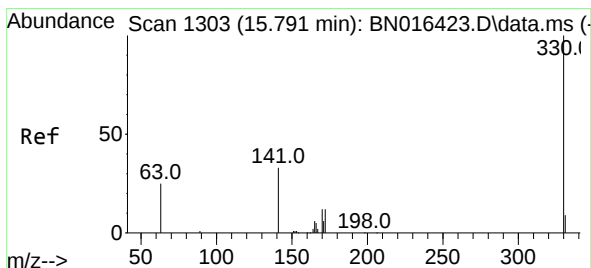
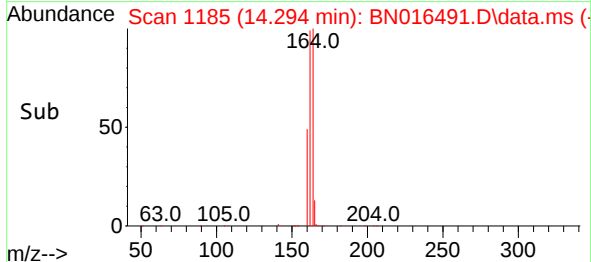
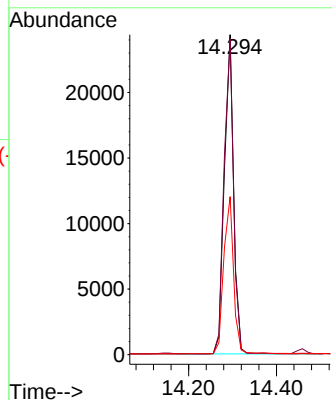
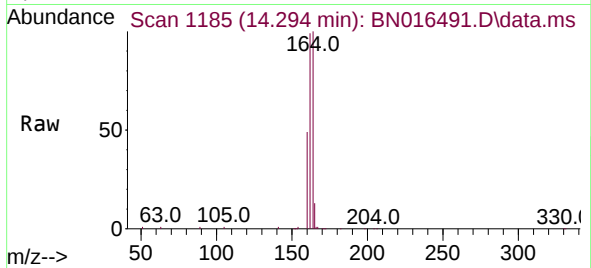




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.294 min Scan# 1185
Delta R.T. 0.000 min
Lab File: BN016491.D
Acq: 26 Sep 2021 02:02

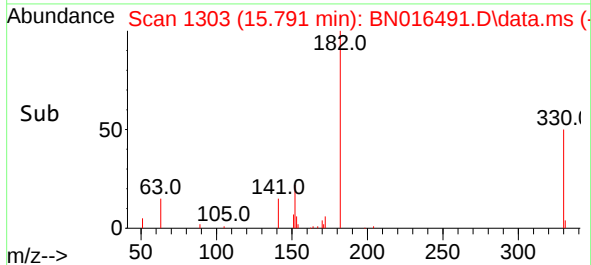
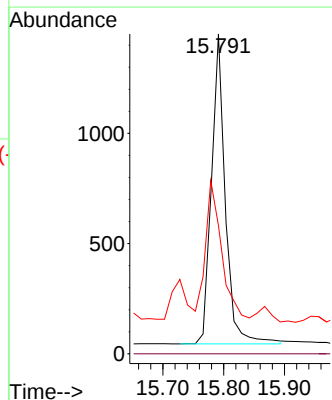
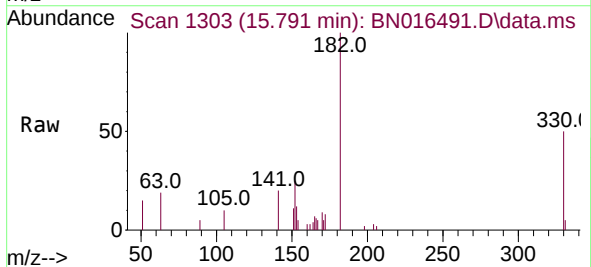
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ClientSampled :

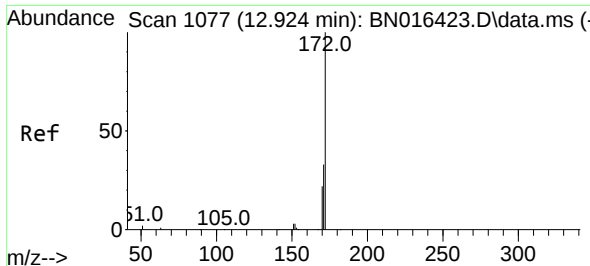
Tgt Ion:164 Resp: 35729
Ion Ratio Lower Upper
164 100
162 98.8 79.0 118.4
160 49.4 34.1 51.1



#14
2,4,6-Tribromophenol
Concen: 0.291 ng
RT: 15.791 min Scan# 1303
Delta R.T. 0.000 min
Lab File: BN016491.D
Acq: 26 Sep 2021 02:02

Tgt Ion:330 Resp: 2225
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 50.3 25.0 37.4#

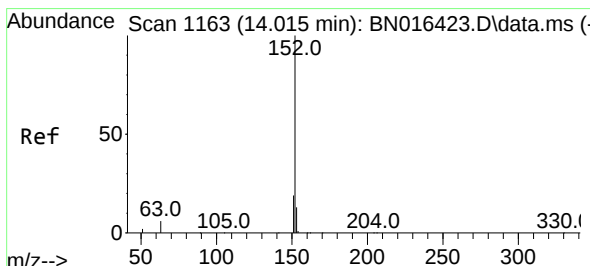
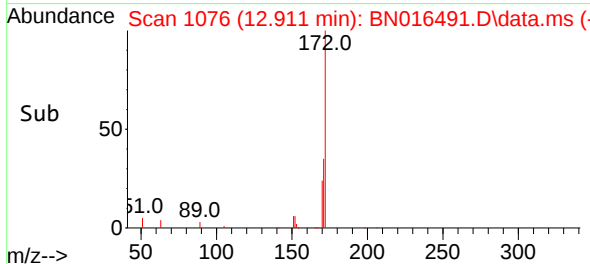
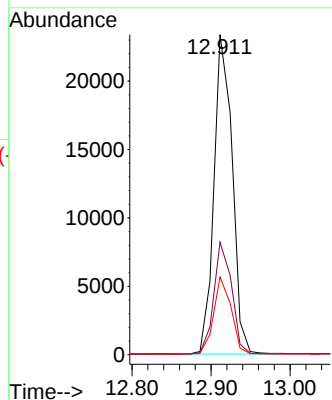
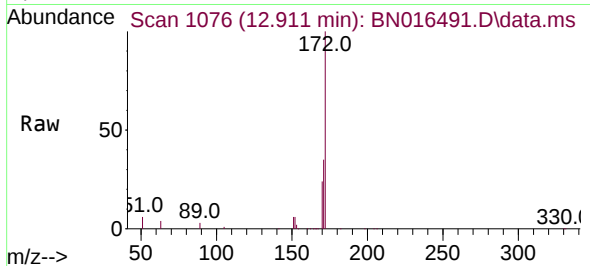




#15
2-Fluorobiphenyl
Concen: 0.250 ng
RT: 12.911 min Scan# 1076
Delta R.T. -0.012 min
Lab File: BN016491.D
Acq: 26 Sep 2021 02:02

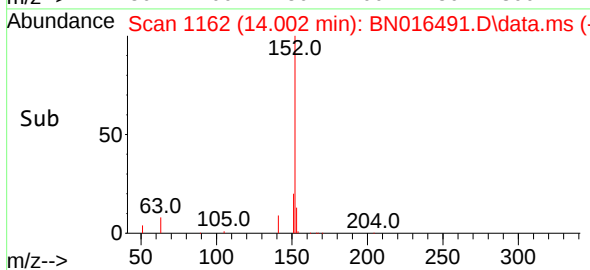
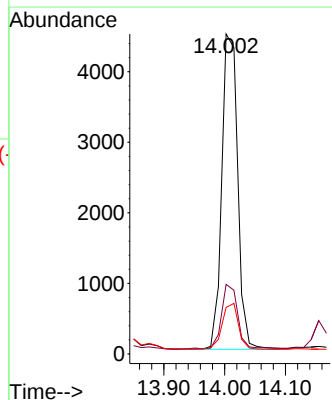
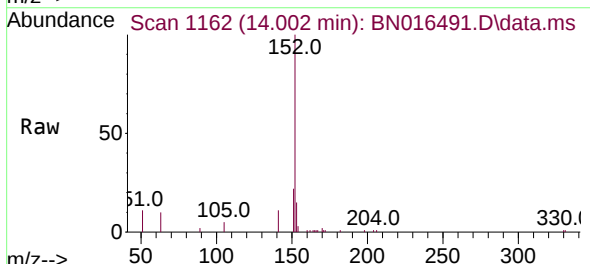
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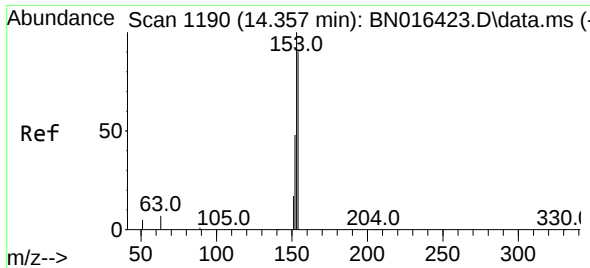
Tgt Ion:172 Resp: 37480
Ion Ratio Lower Upper
172 100
171 35.2 27.8 41.6
170 24.3 18.2 27.2



#16
Acenaphthylene
Concen: 0.056 ng
RT: 14.002 min Scan# 1162
Delta R.T. -0.012 min
Lab File: BN016491.D
Acq: 26 Sep 2021 02:02

Tgt Ion:152 Resp: 8104
Ion Ratio Lower Upper
152 100
151 21.0 15.2 22.8
153 14.9 10.5 15.7

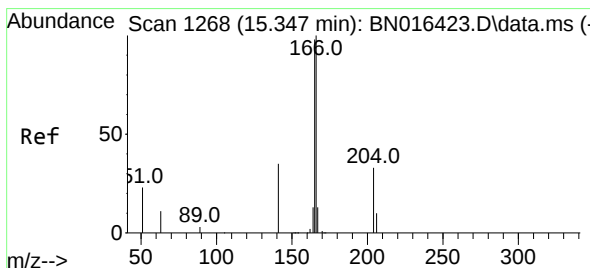
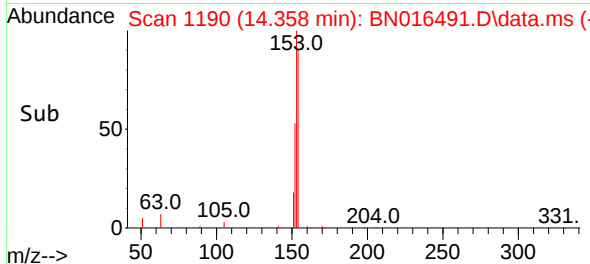
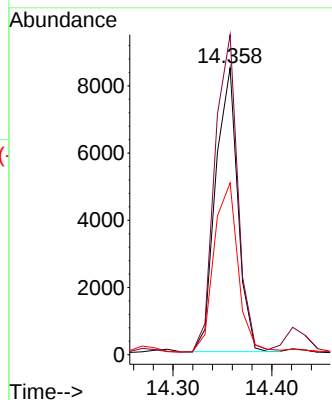
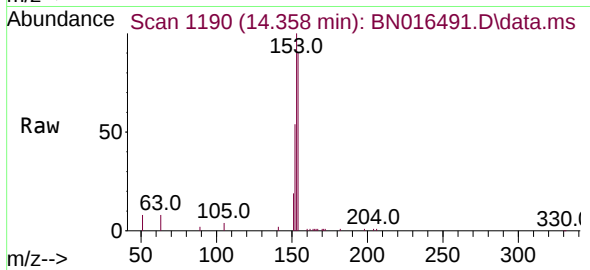




#17
Acenaphthene
Concen: 0.127 ng
RT: 14.358 min Scan# 1190
Delta R.T. 0.000 min
Lab File: BN016491.D
Acq: 26 Sep 2021 02:02

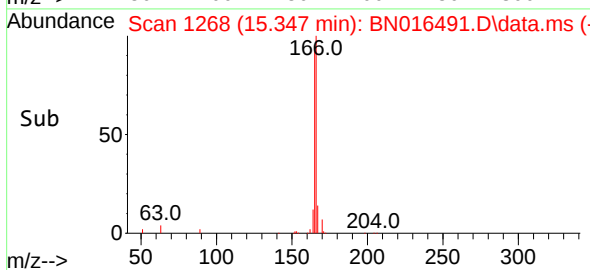
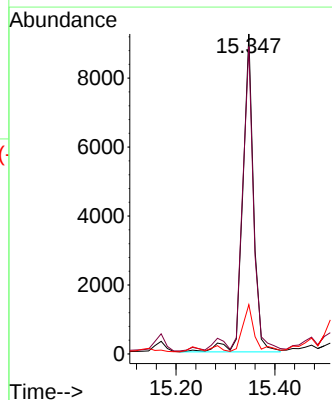
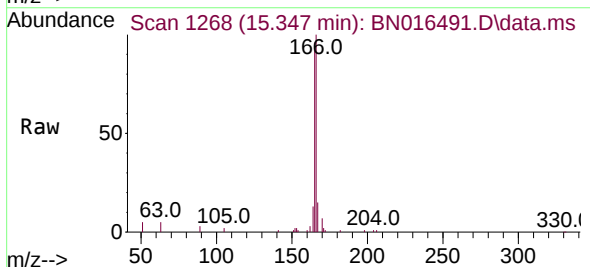
Instrument :
BNA_N
ClientSampleId :

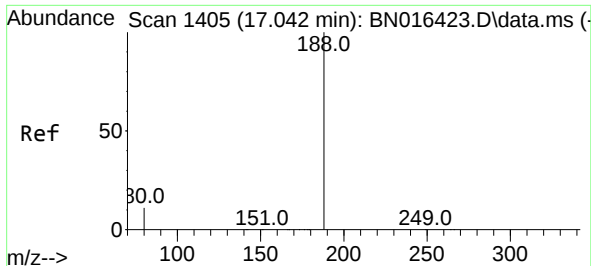
Tgt Ion:154 Resp: 13124
Ion Ratio Lower Upper
154 100
153 115.5 89.3 133.9
152 65.6 42.2 63.4#



#18
Fluorene
Concen: 0.113 ng
RT: 15.347 min Scan# 1268
Delta R.T. 0.000 min
Lab File: BN016491.D
Acq: 26 Sep 2021 02:02

Tgt Ion:166 Resp: 13996
Ion Ratio Lower Upper
166 100
165 93.2 76.7 115.1
167 15.8 10.9 16.3

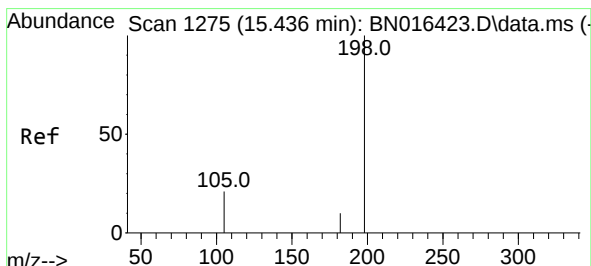
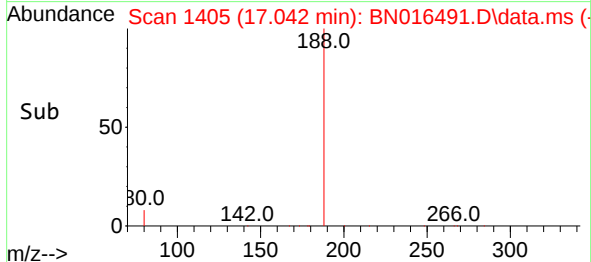
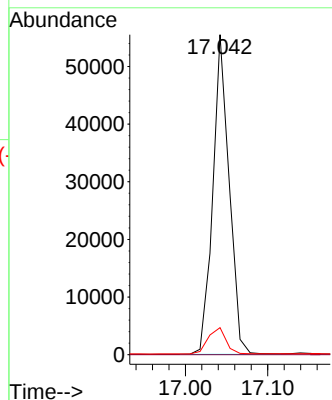
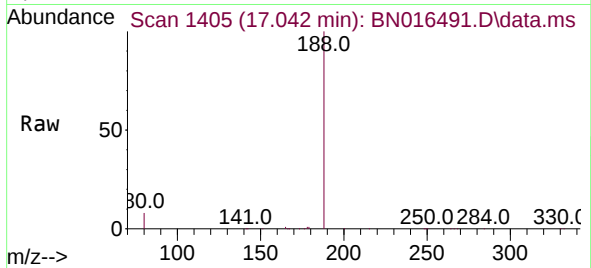




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.042 min Scan# 1405
Delta R.T. 0.000 min
Lab File: BN016491.D
Acq: 26 Sep 2021 02:02

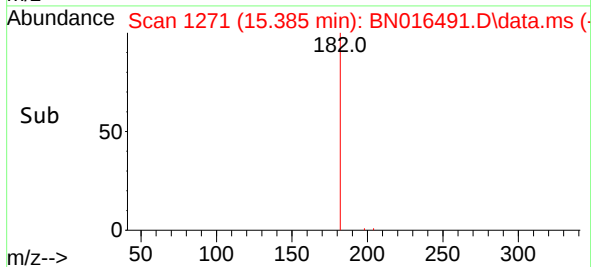
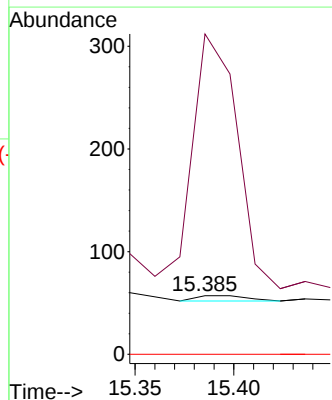
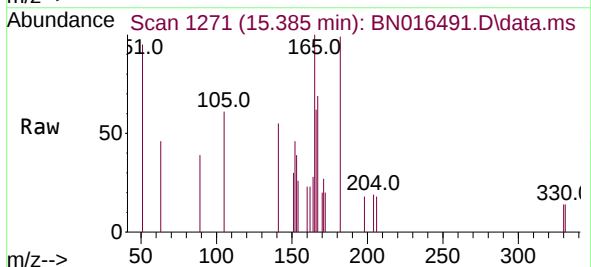
Instrument :
BNA_N
ClientSampleId :

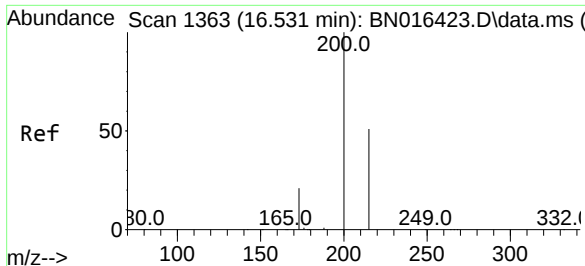
Tgt Ion:188	Resp:	76317
Ion Ratio	Lower	Upper
188	100	
94	0.0	0.0
80	8.5	7.0 10.6



#20
4,6-Dinitro-2-methylphenol
Concen: 0.148 ng
RT: 15.385 min Scan# 1271
Delta R.T. -0.051 min
Lab File: BN016491.D
Acq: 26 Sep 2021 02:02

Tgt Ion:198	Resp:	9
Ion Ratio	Lower	Upper
198	100	
182	547.4	26.6 39.8#
77	0.0	0.0

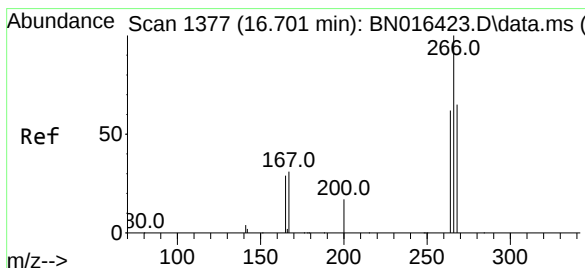
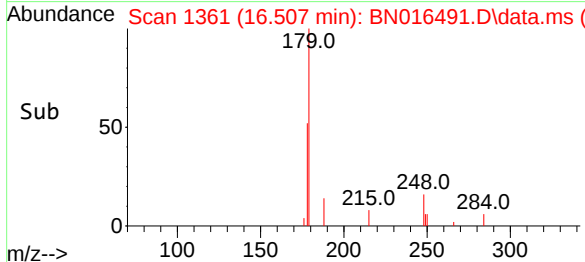
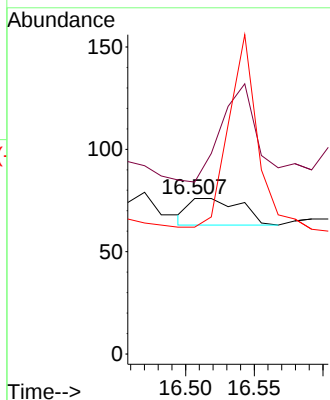
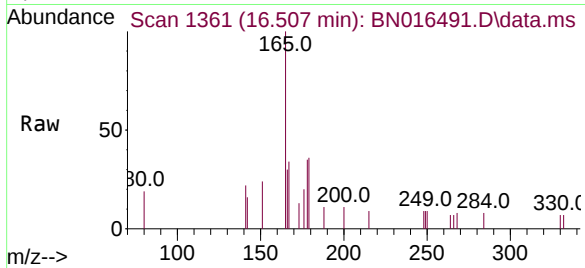




#23
Atrazine
Concen: 0.136 ng
RT: 16.507 min Scan# 1361
Delta R.T. -0.024 min
Lab File: BN016491.D
Acq: 26 Sep 2021 02:02

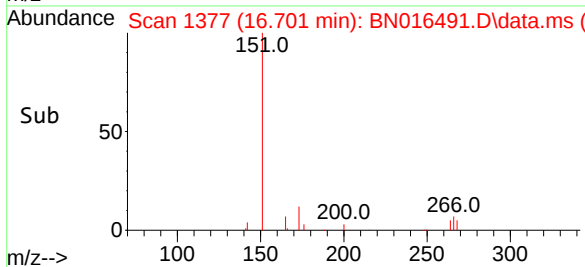
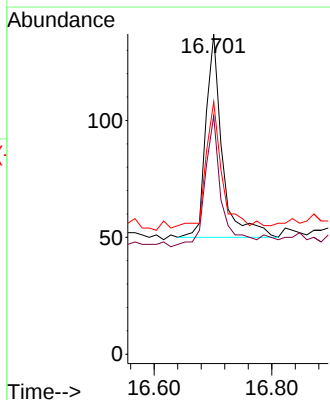
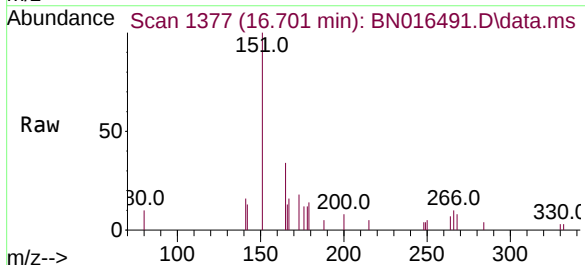
Instrument :
BNA_N
ClientSampleId :

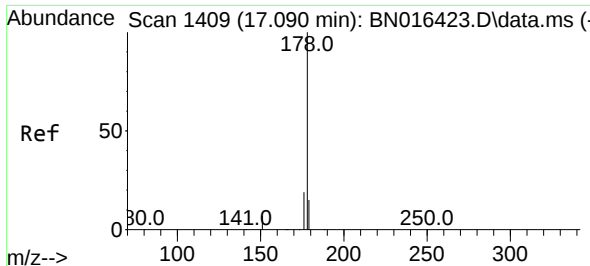
Tgt Ion:200 Resp: 34
Ion Ratio Lower Upper
200 100
173 110.5 18.7 28.1#
215 81.6 41.6 62.4#



#24
Pentachlorophenol
Concen: 0.252 ng
RT: 16.701 min Scan# 1377
Delta R.T. 0.000 min
Lab File: BN016491.D
Acq: 26 Sep 2021 02:02

Tgt Ion:266 Resp: 168
Ion Ratio Lower Upper
266 100
264 64.9 50.6 75.8
268 55.4 52.6 79.0

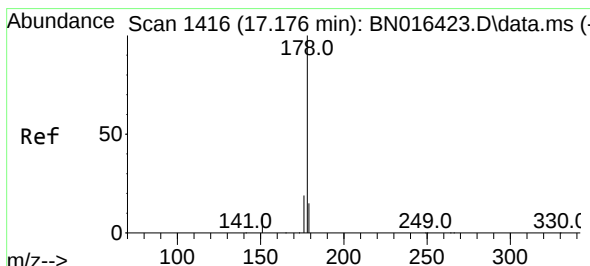
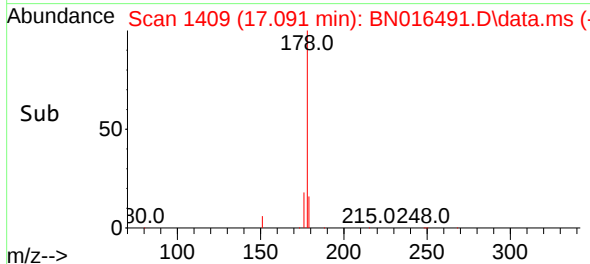
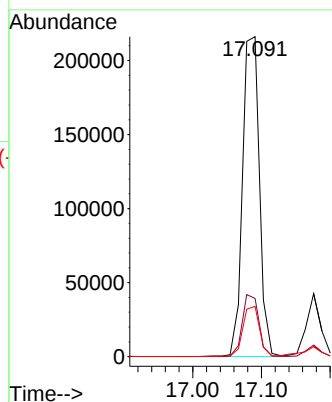
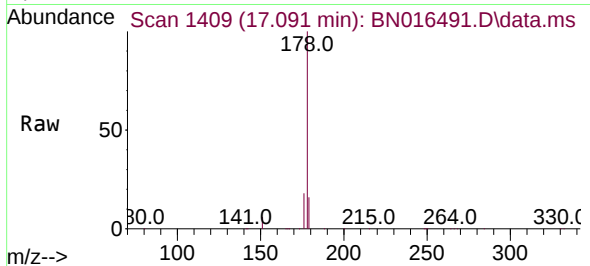




#25
Phenanthrene
Concen: 1.630 ng
RT: 17.091 min Scan# 1409
Delta R.T. 0.000 min
Lab File: BN016491.D
Acq: 26 Sep 2021 02:02

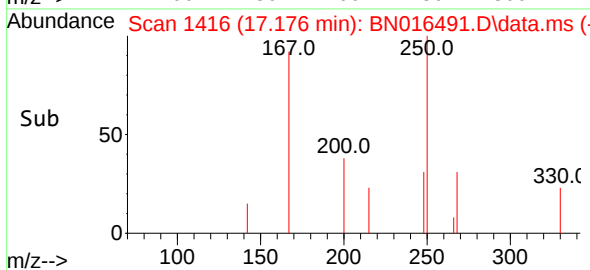
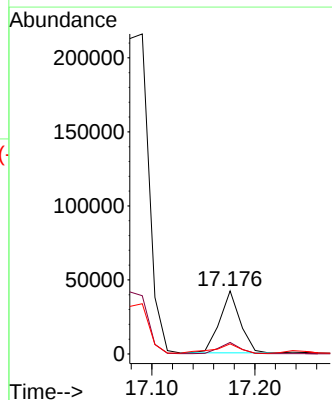
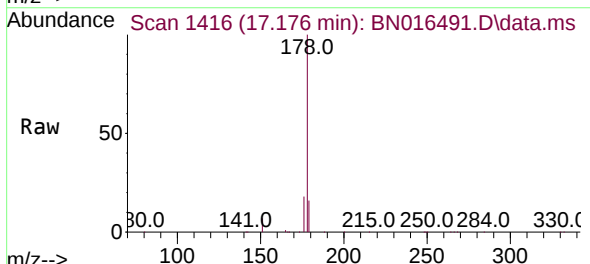
Instrument :
BNA_N
ClientSampleId :

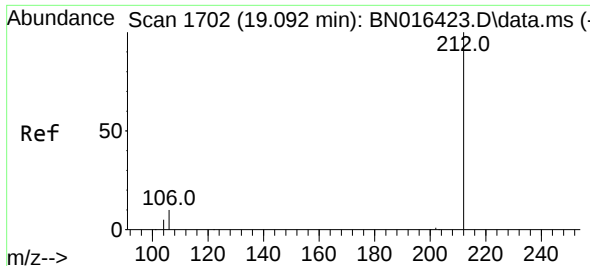
Tgt Ion:178 Resp: 370205
Ion Ratio Lower Upper
178 100
176 18.9 14.4 21.6
179 15.6 12.2 18.4



#26
Anthracene
Concen: 0.306 ng
RT: 17.176 min Scan# 1416
Delta R.T. 0.000 min
Lab File: BN016491.D
Acq: 26 Sep 2021 02:02

Tgt Ion:178 Resp: 57804
Ion Ratio Lower Upper
178 100
176 19.0 13.9 20.9
179 19.1 12.2 18.4#

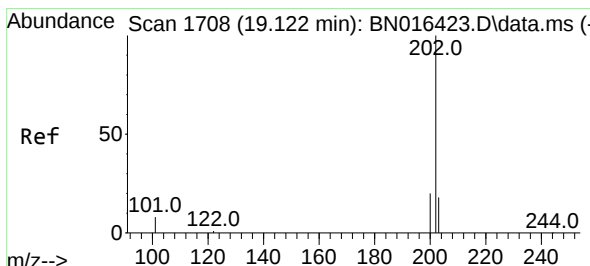
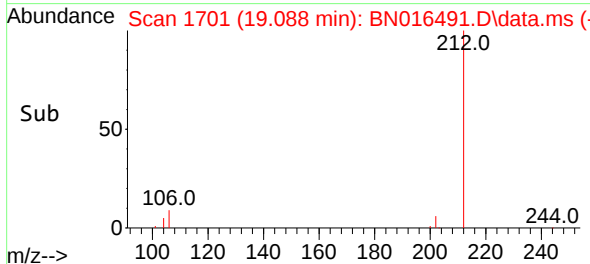
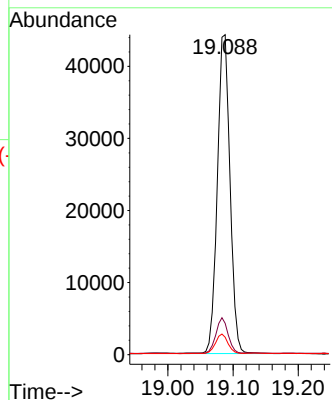
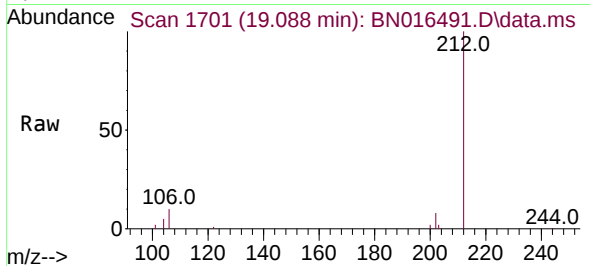




#27
Fluoranthene-d10
Concen: 0.285 ng
RT: 19.088 min Scan# 1701
Delta R.T. -0.005 min
Lab File: BN016491.D
Acq: 26 Sep 2021 02:02

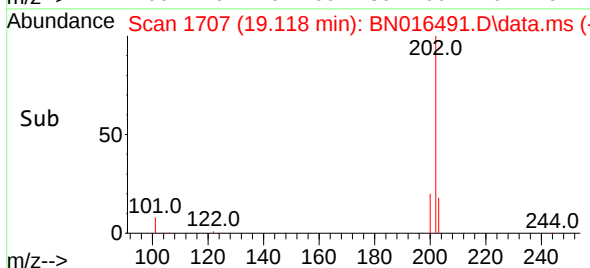
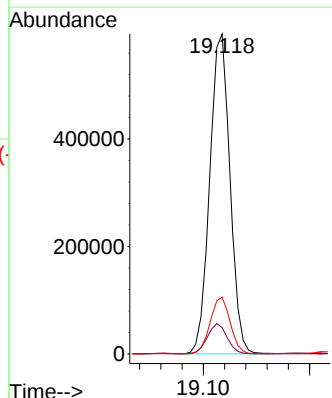
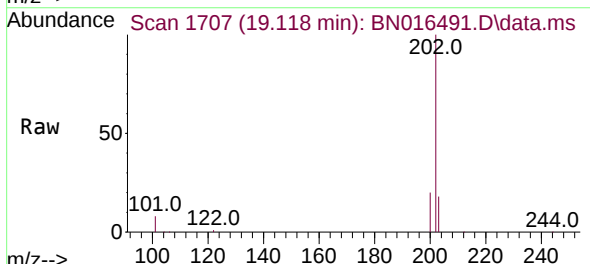
Instrument :
BNA_N
ClientSampleId :

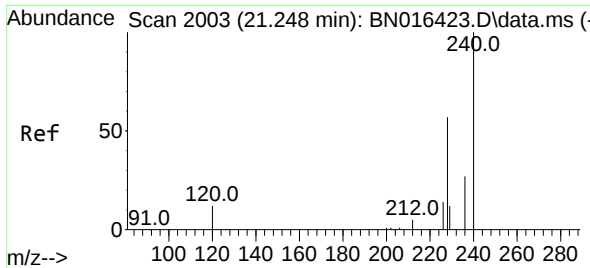
Tgt Ion:212 Resp: 59659
Ion Ratio Lower Upper
212 100
106 10.7 9.8 14.6
104 6.2 5.4 8.2



#28
Fluoranthene
Concen: 3.157 ng
RT: 19.118 min Scan# 1707
Delta R.T. -0.005 min
Lab File: BN016491.D
Acq: 26 Sep 2021 02:02

Tgt Ion:202 Resp: 785902
Ion Ratio Lower Upper
202 100
101 9.2 8.5 12.7
203 17.5 13.8 20.8

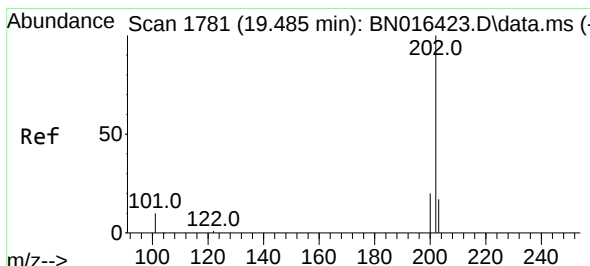
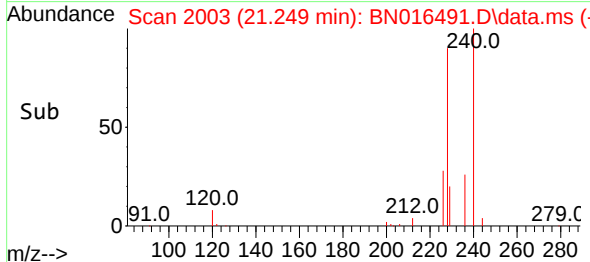
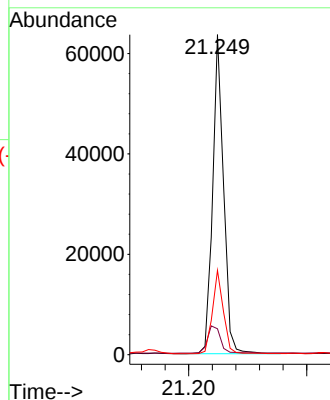
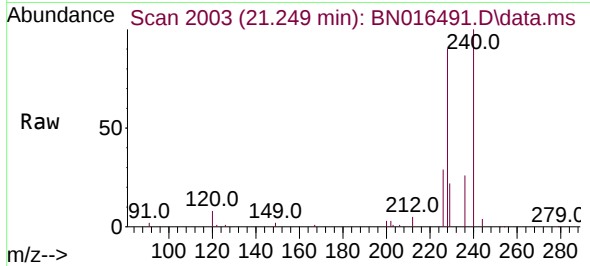




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.249 min Scan# 2003
Delta R.T. 0.000 min
Lab File: BN016491.D
Acq: 26 Sep 2021 02:02

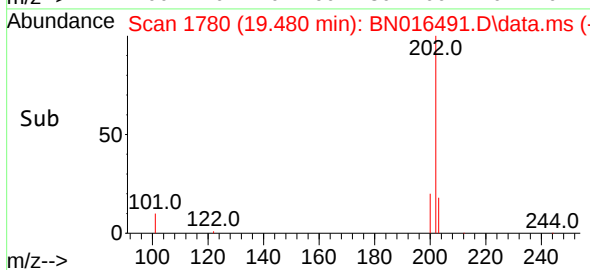
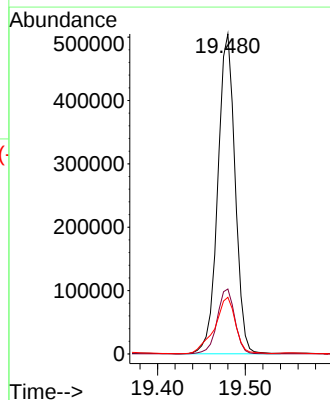
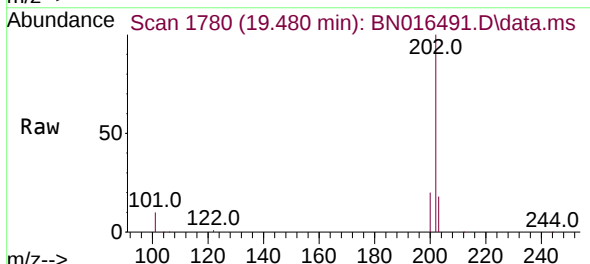
Instrument :
BNA_N
ClientSampleId :

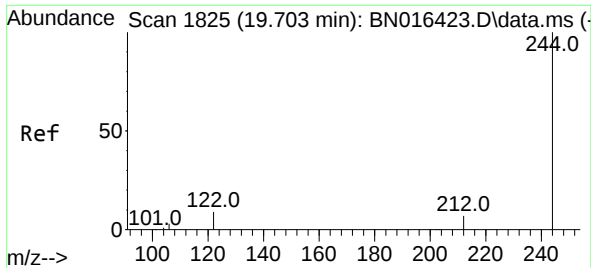
Tgt Ion:240 Resp: 81689
Ion Ratio Lower Upper
240 100
120 8.1 5.3 7.9#
236 26.3 19.8 29.8



#30
Pyrene
Concen: 2.701 ng
RT: 19.480 min Scan# 1780
Delta R.T. -0.005 min
Lab File: BN016491.D
Acq: 26 Sep 2021 02:02

Tgt Ion:202 Resp: 690915
Ion Ratio Lower Upper
202 100
200 20.7 15.8 23.6
203 21.2 13.9 20.9#

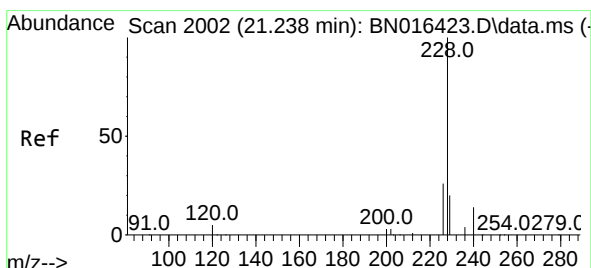
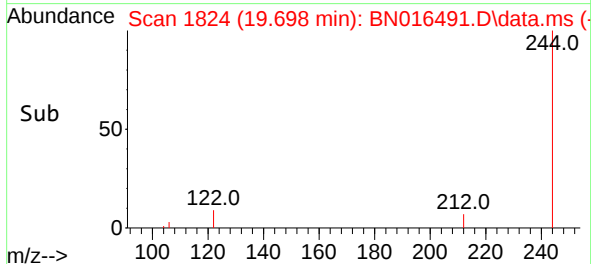
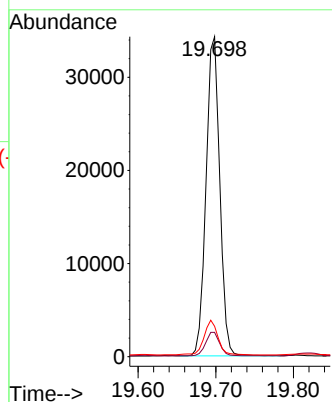
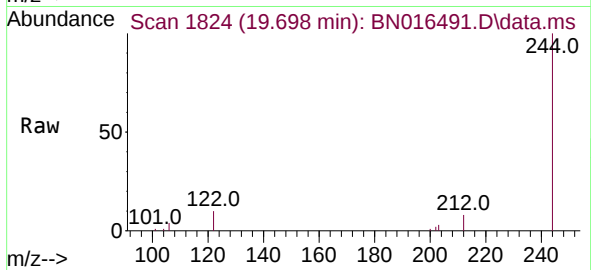




#31
 Terphenyl-d14
 Concen: 0.222 ng
 RT: 19.698 min Scan# 1824
 Delta R.T. -0.005 min
 Lab File: BN016491.D
 Acq: 26 Sep 2021 02:02

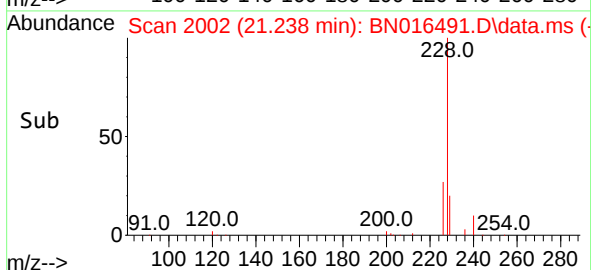
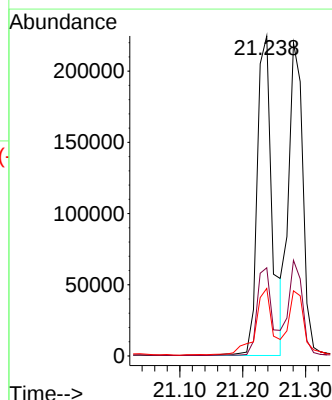
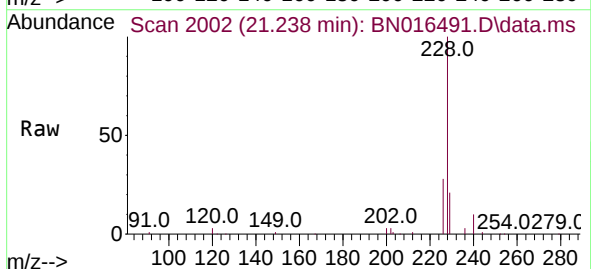
Instrument :
 BNA_N
 ClientSampled :

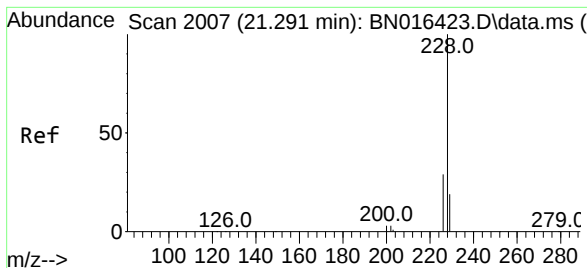
Tgt Ion:244	Resp:	42175
Ion Ratio	Lower	Upper
244	100	
212	7.6	5.5 8.3
122	9.5	9.0 13.4



#32
 Benzo(a)anthracene
 Concen: 1.561 ng
 RT: 21.238 min Scan# 2002
 Delta R.T. 0.000 min
 Lab File: BN016491.D
 Acq: 26 Sep 2021 02:02

Tgt Ion:228	Resp:	369679
Ion Ratio	Lower	Upper
228	100	
226	27.5	20.8 31.2
229	21.1	15.8 23.6





#33

Chrysene

Concen: 1.343 ng

RT: 21.281 min Scan# 2006

Delta R.T. -0.010 min

Lab File: BN016491.D

Acq: 26 Sep 2021 02:02

Tgt Ion:228 Resp: 341720

Ion Ratio Lower Upper

228 100

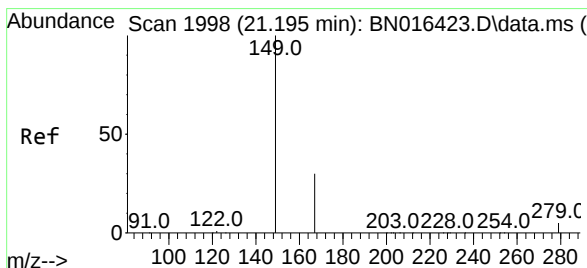
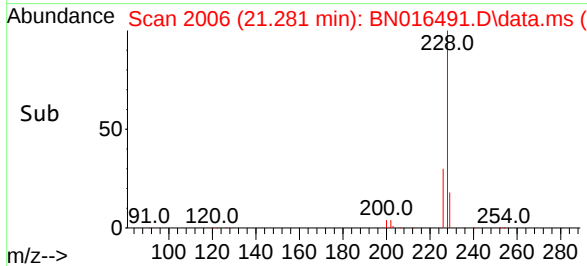
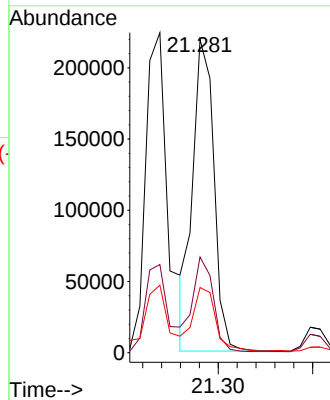
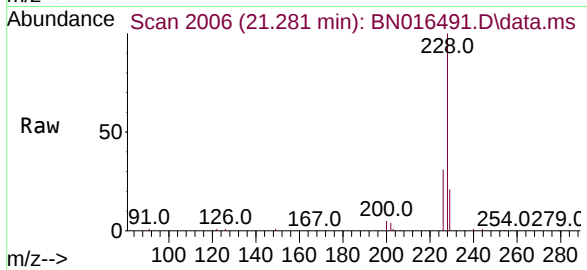
226 30.5 23.0 34.4

229 20.8 15.6 23.4

Instrument :

BNA_N

ClientSampled :



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.304 ng

RT: 21.185 min Scan# 1997

Delta R.T. -0.010 min

Lab File: BN016491.D

Acq: 26 Sep 2021 02:02

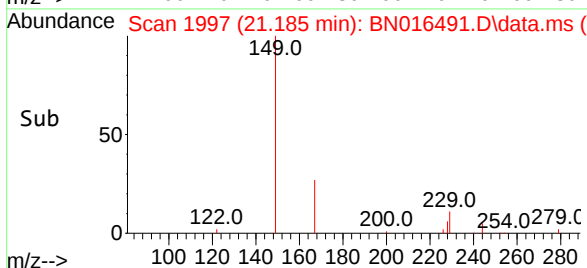
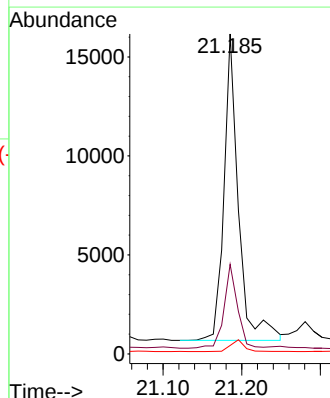
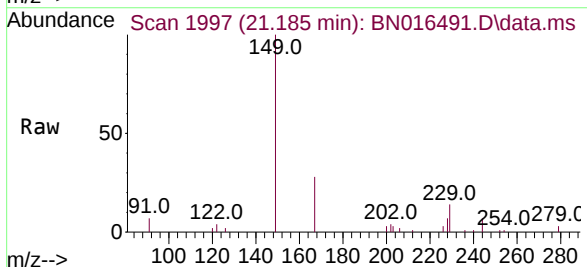
Tgt Ion:149 Resp: 19623

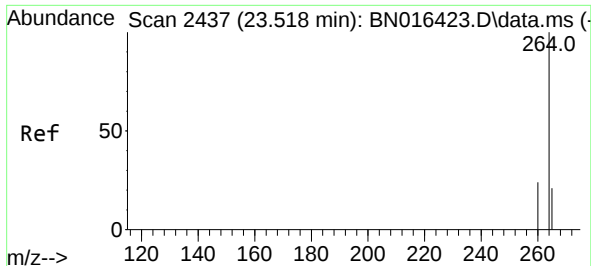
Ion Ratio Lower Upper

149 100

167 25.6 23.4 35.0

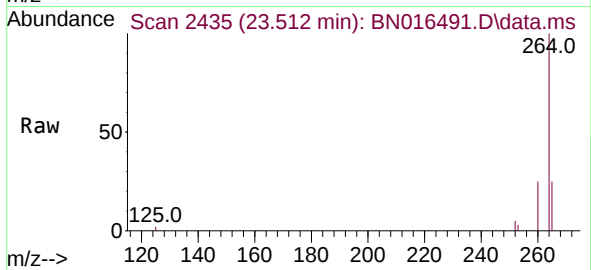
279 3.7 3.9 5.9#



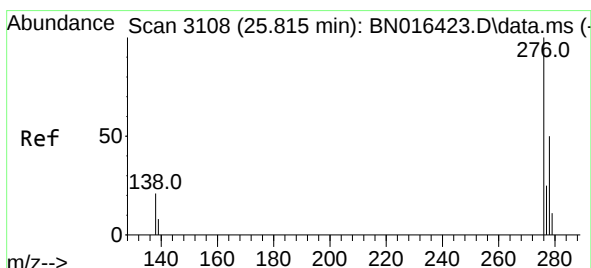
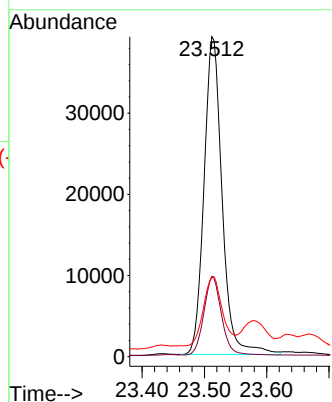
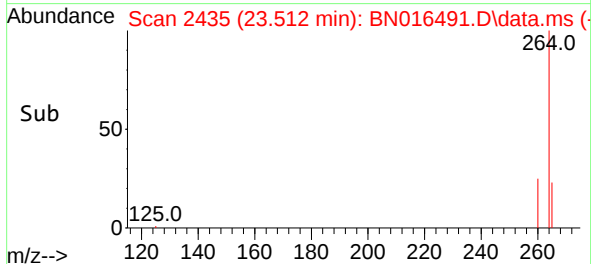


#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.512 min Scan# 2435
 Delta R.T. -0.006 min
 Lab File: BN016491.D
 Acq: 26 Sep 2021 02:02

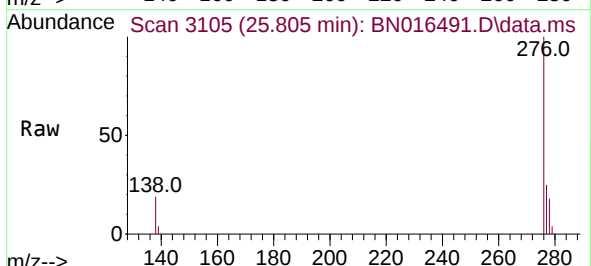
Instrument :
 BNA_N
 ClientSampled :



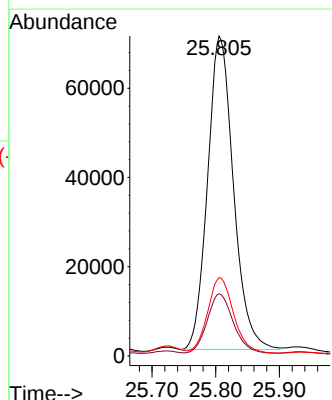
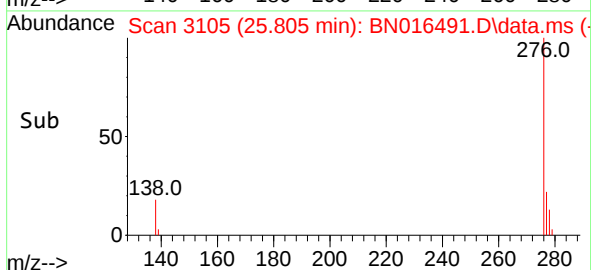
Tgt Ion:264 Resp: 79001
 Ion Ratio Lower Upper
 264 100
 260 24.9 18.9 28.3
 265 25.1 23.7 35.5

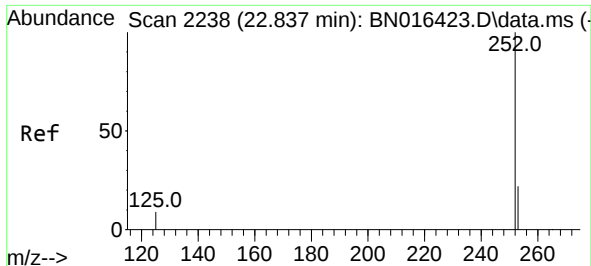


#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.773 ng
 RT: 25.805 min Scan# 3105
 Delta R.T. -0.010 min
 Lab File: BN016491.D
 Acq: 26 Sep 2021 02:02



Tgt Ion:276 Resp: 197984
 Ion Ratio Lower Upper
 276 100
 138 19.1 19.3 28.9#
 277 24.1 20.2 30.2

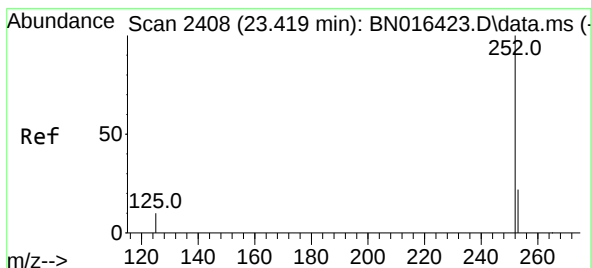
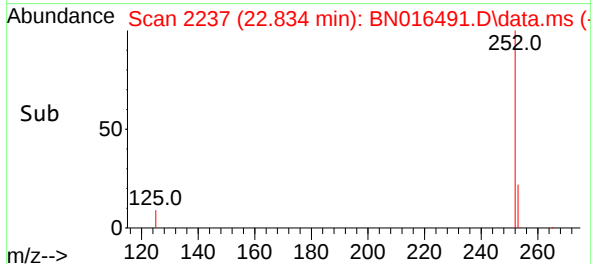
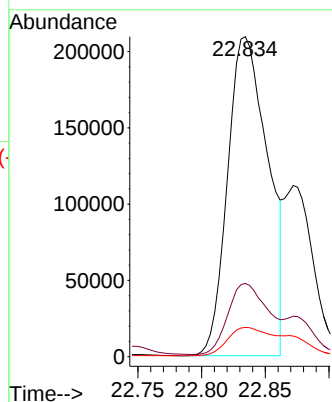
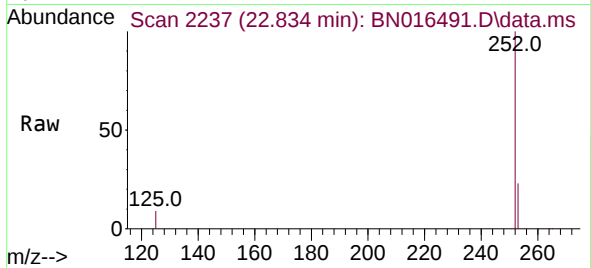




#37
Benzo(b)fluoranthene
Concen: 1.745 ng
RT: 22.834 min Scan# 2237
Delta R.T. -0.003 min
Lab File: BN016491.D
Acq: 26 Sep 2021 02:02

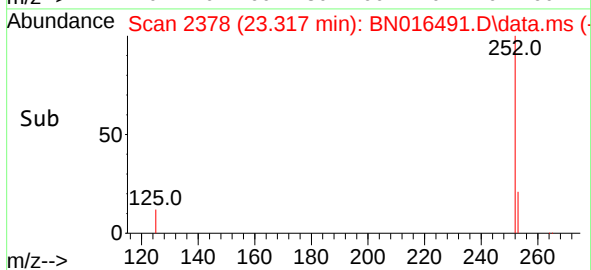
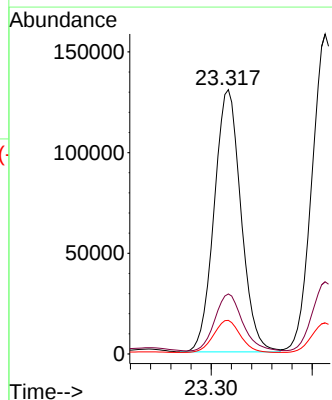
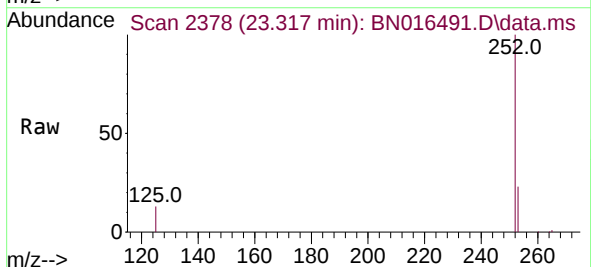
Instrument :
BNA_N
ClientSampleId :

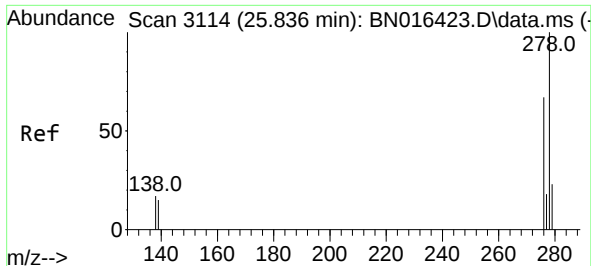
Tgt Ion:252 Resp: 460718
Ion Ratio Lower Upper
252 100
253 22.9 18.2 27.2
125 9.2 8.4 12.6



#39
Benzo(a)pyrene
Concen: 1.116 ng
RT: 23.317 min Scan# 2378
Delta R.T. -0.102 min
Lab File: BN016491.D
Acq: 26 Sep 2021 02:02

Tgt Ion:252 Resp: 240255
Ion Ratio Lower Upper
252 100
253 22.7 18.7 28.1
125 12.7 9.9 14.9

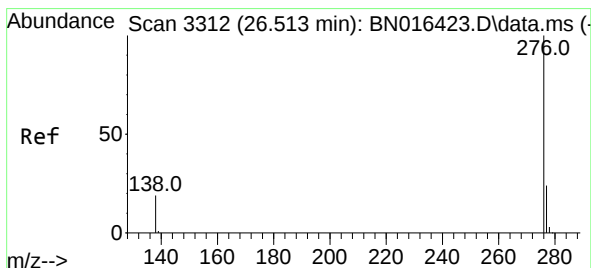
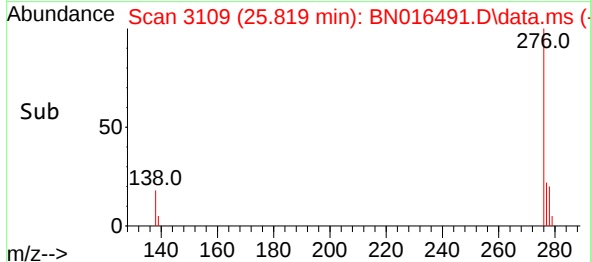
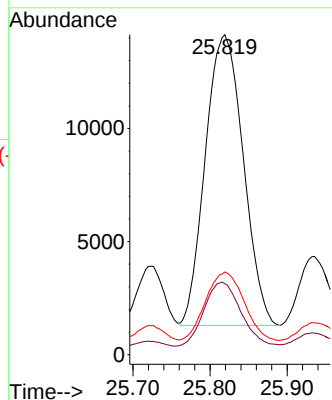
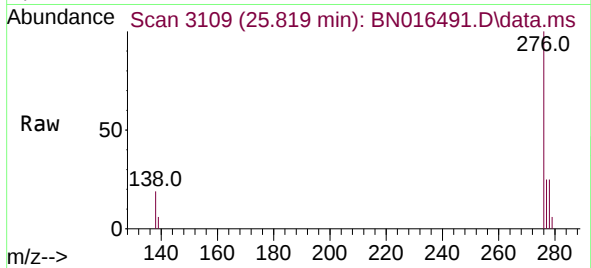




#40
Dibenzo(a,h)anthracene
Concen: 0.202 ng
RT: 25.819 min Scan# 3109
Delta R.T. -0.017 min
Lab File: BN016491.D
Acq: 26 Sep 2021 02:02

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:278 Resp: 43965
Ion Ratio Lower Upper
278 100
139 22.2 14.2 21.2#
279 25.9 21.3 31.9



#41
Benzo(g,h,i)perylene
Concen: 0.918 ng
RT: 26.507 min Scan# 3310
Delta R.T. -0.006 min
Lab File: BN016491.D
Acq: 26 Sep 2021 02:02

Tgt Ion:276 Resp: 205523
Ion Ratio Lower Upper
276 100
277 23.9 20.5 30.7
138 19.6 18.2 27.4

