

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092421\
 Data File : BN016425.D
 Acq On : 23 Sep 2021 16:35
 Operator : CG/JU
 Sample : SSTDICC1.6
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC1.6

Quant Time: Sep 23 17:25:45 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN092421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 23 16:03:09 2021
 Response via : Initial Calibration

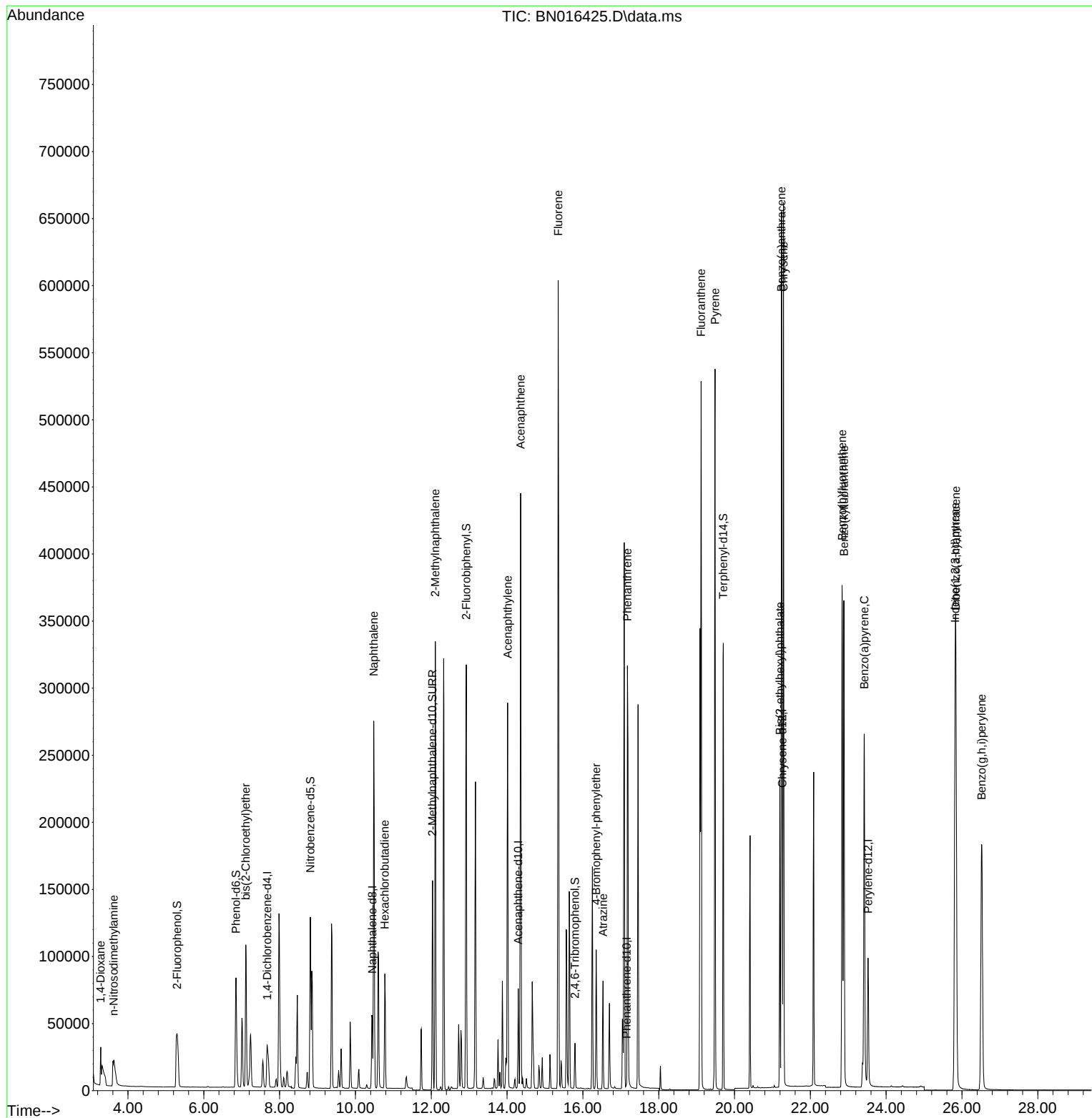
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.670	152	19671	0.400	ng	0.00
7) Naphthalene-d8	10.444	136	79909	0.400	ng	# 0.00
13) Acenaphthene-d10	14.294	164	41604	0.400	ng	0.00
19) Phenanthrene-d10	17.151	188	2918	0.400	ng	0.11
29) Chrysene-d12	21.259	240	156067	0.400	ng	# 0.01
35) Perylene-d12	23.522	264	129625	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.291	112	79049	1.601	ng	0.00
5) Phenol-d6	6.849	99	94341	1.577	ng	0.00
8) Nitrobenzene-d5	8.810	82	96566	2.034	ng	0.00
11) 2-Methylnaphthalene-d10	12.034	152	207837	1.651	ng	0.00
14) 2,4,6-Tribromophenol	15.791	330	22523	1.843	ng	0.00
15) 2-Fluorobiphenyl	12.924	172	291964	1.793	ng	0.00
27) Fluoranthene-d10	0.000	212	0	0.000	ng	
31) Terphenyl-d14	19.703	244	328353	0.908	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.281	88	14165	1.732	ng	# 85
3) n-Nitrosodimethylamine	3.622	42	37342	1.996	ng	# 68
6) bis(2-Chloroethyl)ether	7.107	93	91679	1.721	ng	93
9) Naphthalene	10.482	128	364199	1.692	ng	99
10) Hexachlorobutadiene	10.774	225	72265	1.765	ng	# 99
12) 2-Methylnaphthalene	12.105	142	235392	1.649	ng	98
16) Acenaphthylene	14.015	152	314502	1.625	ng	100
17) Acenaphthene	14.357	154	209794	1.748	ng	99
18) Fluorene	15.347	166	255461	1.715	ng	99
21) 4-Bromophenyl-phenylether	16.348	248	2343	1.372	ng	# 1
23) Atrazine	16.531	200	63483	40.623	ng	97
25) Phenanthrene	17.176	178	364933	44.259	ng	100
28) Fluoranthene	19.117	202	468121	49.287	ng	99
30) Pyrene	19.485	202	467907	0.948	ng	99
32) Benzo(a)anthracene	21.238	228	501126	0.999	ng	99
33) Chrysene	21.291	228	496881	1.024	ng	99
34) Bis(2-ethylhexyl)phtha...	21.195	149	177189	0.655	ng	98
36) Indeno(1,2,3-cd)pyrene	25.819	276	459066	1.097	ng	98
37) Benzo(b)fluoranthene	22.837	252	464362	1.128	ng	97
38) Benzo(k)fluoranthene	22.885	252	446728	1.128	ng	98
39) Benzo(a)pyrene	23.423	252	395449	1.062	ng	# 96
40) Dibenzo(a,h)anthracene	25.839	278	387150	1.090	ng	94
41) Benzo(g,h,i)perylene	26.520	276	396021	1.120	ng	95

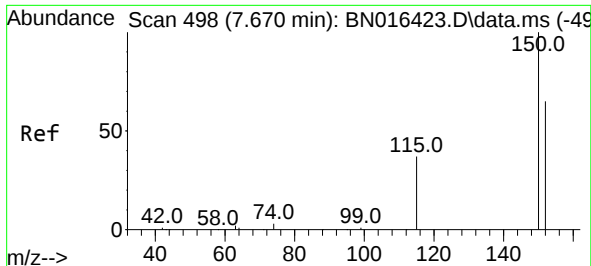
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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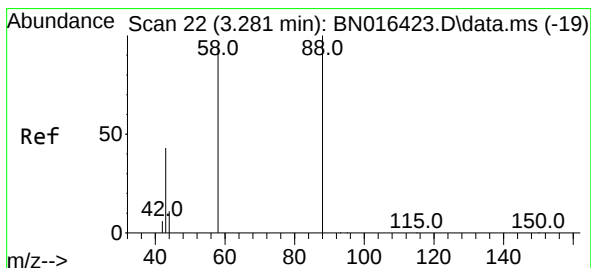
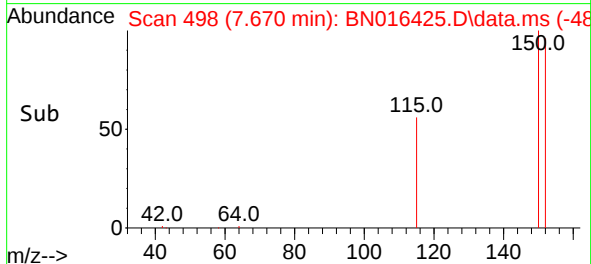
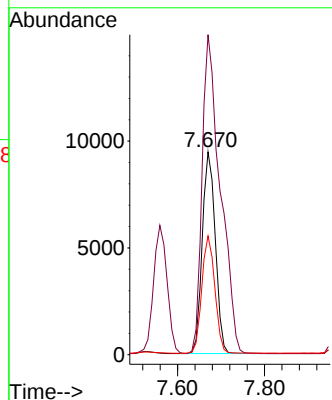
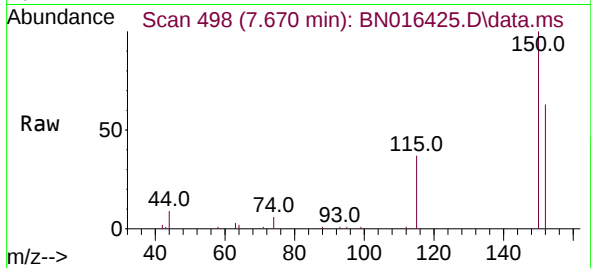




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.670 min Scan# 498
 Delta R.T. -0.000 min
 Lab File: BN016425.D
 Acq: 23 Sep 2021 16:35

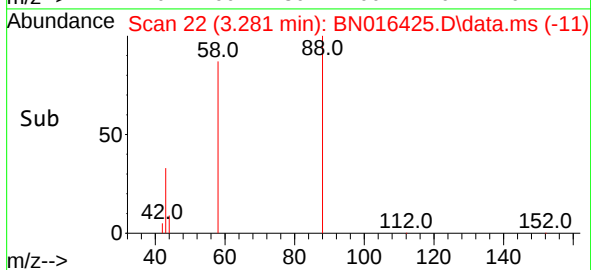
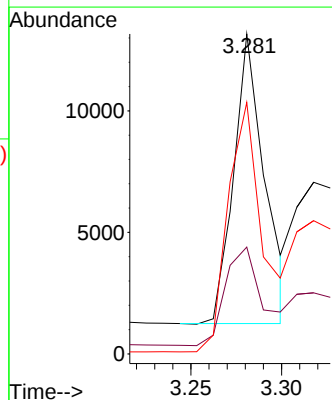
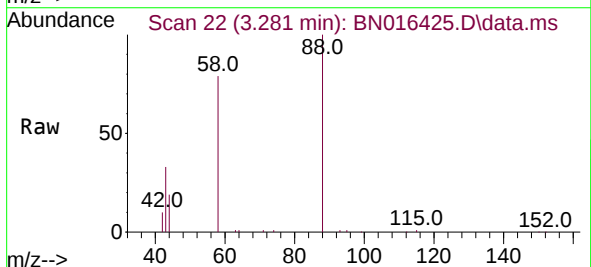
Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC1.6

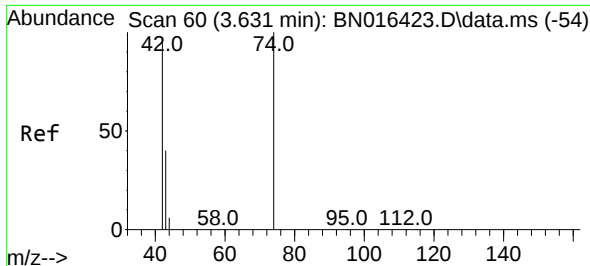
Tgt Ion:152 Resp: 19671
 Ion Ratio Lower Upper
 152 100
 150 157.8 125.6 188.4
 115 58.6 50.2 75.2



#2
 1,4-Dioxane
 Concen: 1.732 ng
 RT: 3.281 min Scan# 22
 Delta R.T. 0.000 min
 Lab File: BN016425.D
 Acq: 23 Sep 2021 16:35

Tgt Ion: 88 Resp: 14165
 Ion Ratio Lower Upper
 88 100
 43 41.2 20.3 30.5#
 58 97.2 69.9 104.9

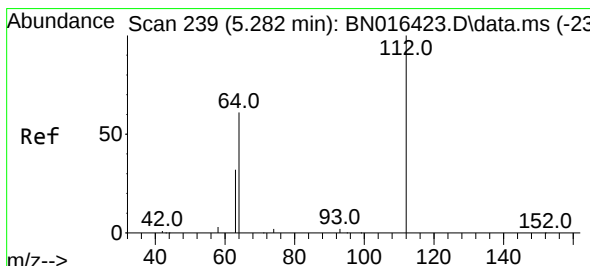
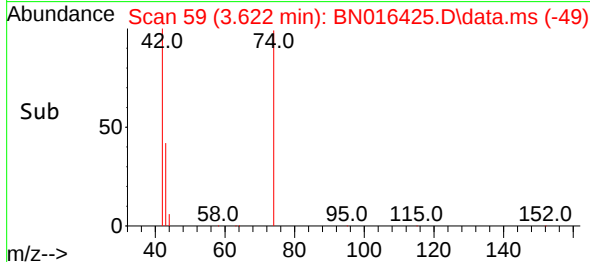
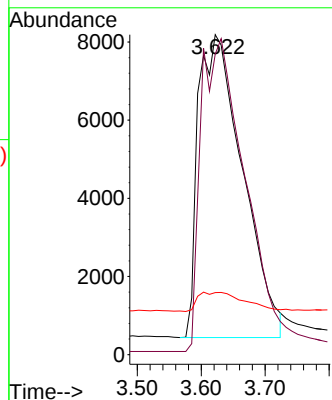
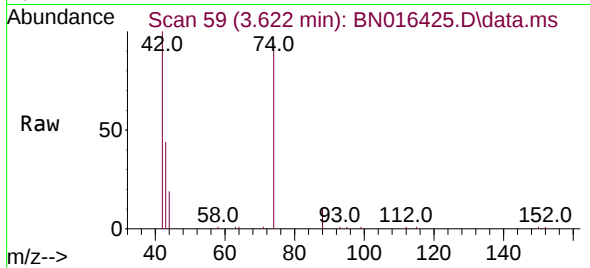




#3
n-Nitrosodimethylamine
Concen: 1.996 ng
RT: 3.622 min Scan# 59
Delta R.T. -0.009 min
Lab File: BN016425.D
Acq: 23 Sep 2021 16:35

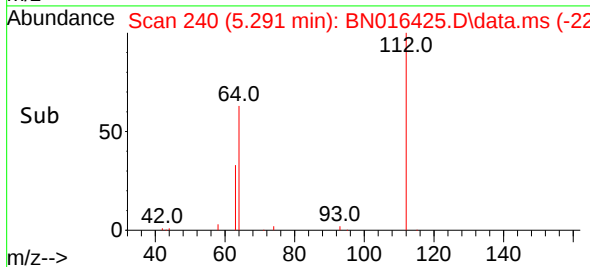
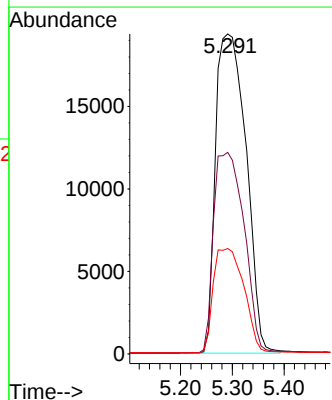
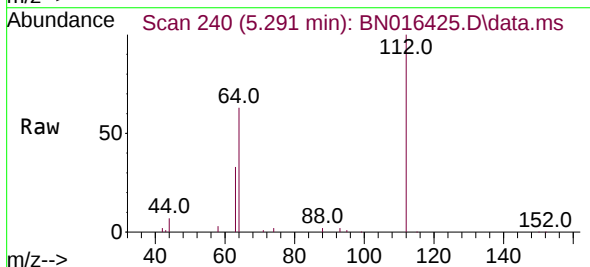
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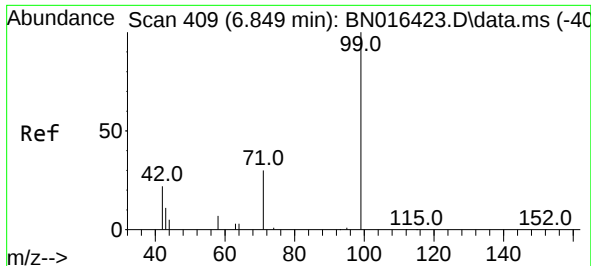
Tgt Ion: 42 Resp: 37342
Ion Ratio Lower Upper
42 100
74 102.9 113.6 170.4#
44 0.0 0.0 0.0



#4
2-Fluorophenol
Concen: 1.601 ng
RT: 5.291 min Scan# 240
Delta R.T. 0.009 min
Lab File: BN016425.D
Acq: 23 Sep 2021 16:35

Tgt Ion: 112 Resp: 79049
Ion Ratio Lower Upper
112 100
64 62.8 47.3 70.9
63 32.8 23.4 35.0

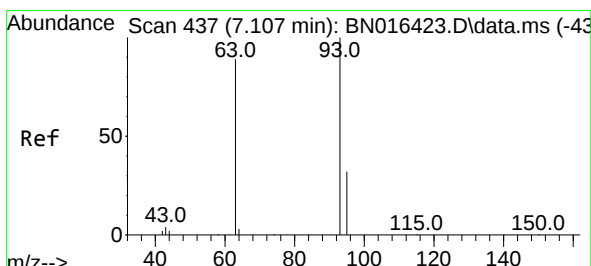
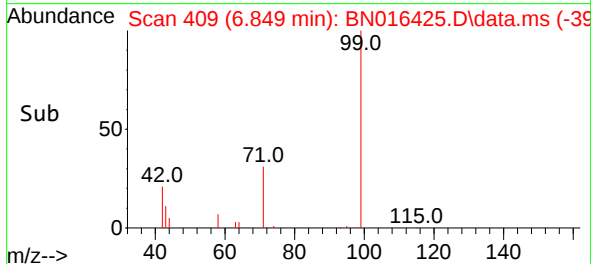
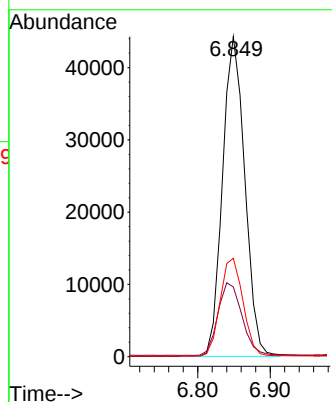
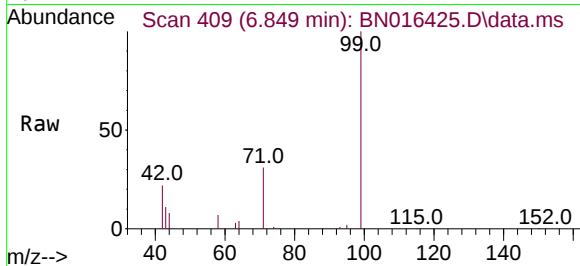




#5
Phenol-d6
Concen: 1.577 ng
RT: 6.849 min Scan# 409
Delta R.T. 0.000 min
Lab File: BN016425.D
Acq: 23 Sep 2021 16:35

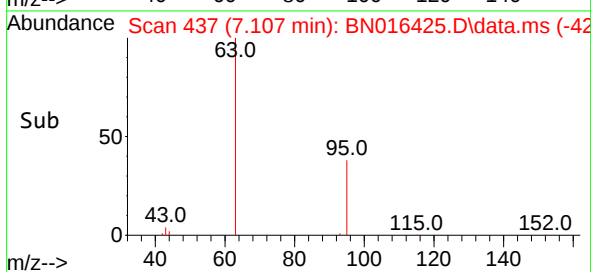
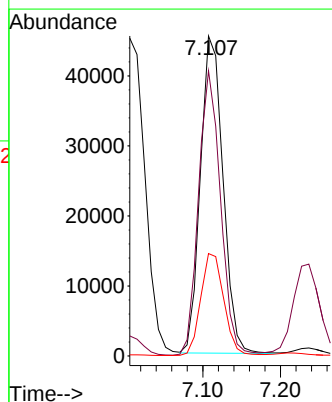
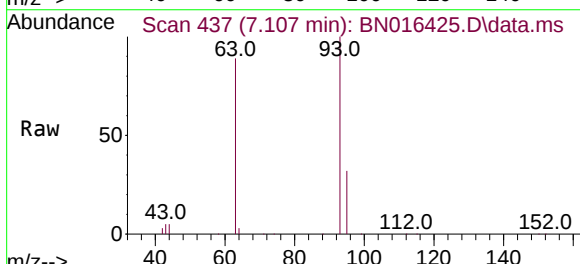
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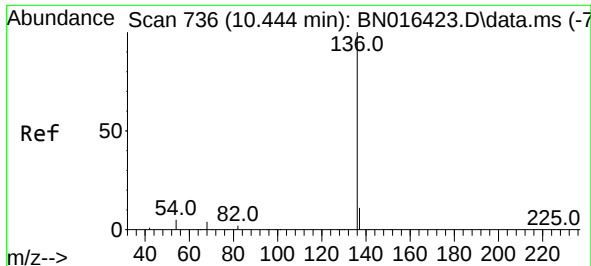
Tgt Ion: 99 Resp: 94341
Ion Ratio Lower Upper
99 100
42 24.4 14.0 21.0#
71 31.5 23.8 35.6



#6
bis(2-Chloroethyl)ether
Concen: 1.721 ng
RT: 7.107 min Scan# 437
Delta R.T. 0.000 min
Lab File: BN016425.D
Acq: 23 Sep 2021 16:35

Tgt Ion: 93 Resp: 91679
Ion Ratio Lower Upper
93 100
63 87.4 63.4 95.0
95 32.9 26.8 40.2

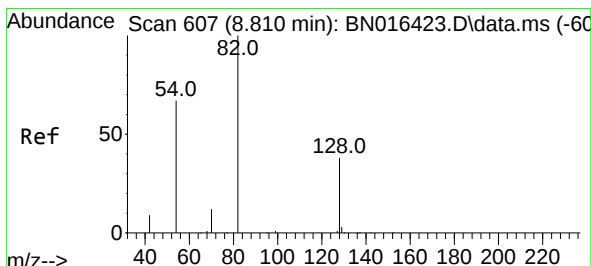
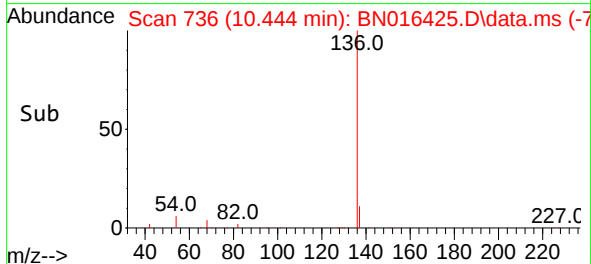
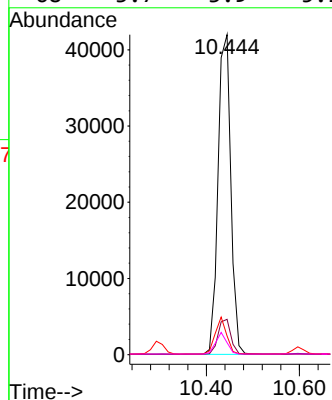
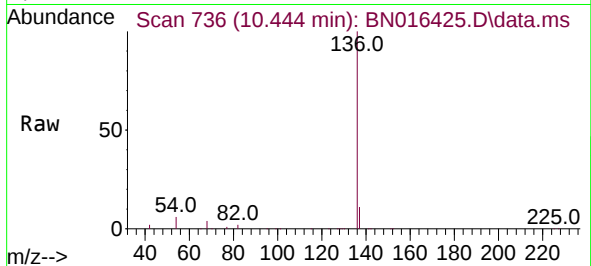




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.444 min Scan# 736
Delta R.T. 0.000 min
Lab File: BN016425.D
Acq: 23 Sep 2021 16:35

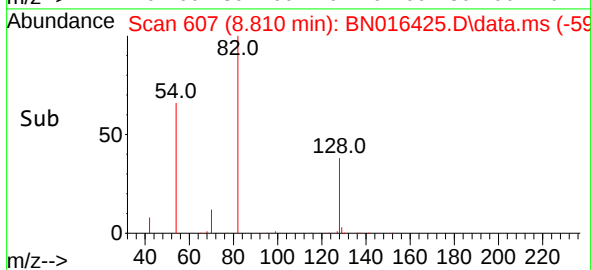
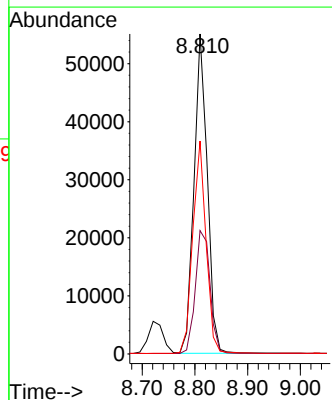
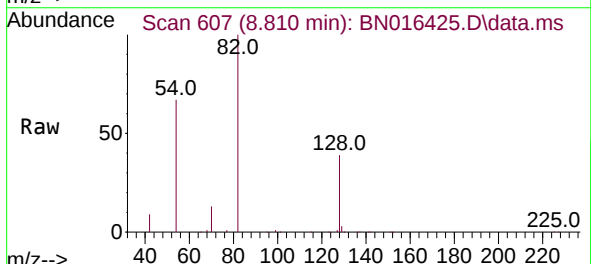
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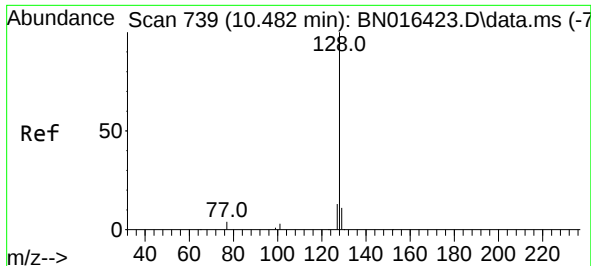
Tgt Ion:	136	Resp:	79909
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	5.8	5.3	7.9
68	3.7	3.9	5.9



#8
Nitrobenzene-d5
Concen: 2.034 ng
RT: 8.810 min Scan# 607
Delta R.T. 0.000 min
Lab File: BN016425.D
Acq: 23 Sep 2021 16:35

Tgt Ion:	82	Resp:	96566
Ion	Ratio	Lower	Upper
82	100		
128	38.5	31.7	47.5
54	66.5	46.4	69.6

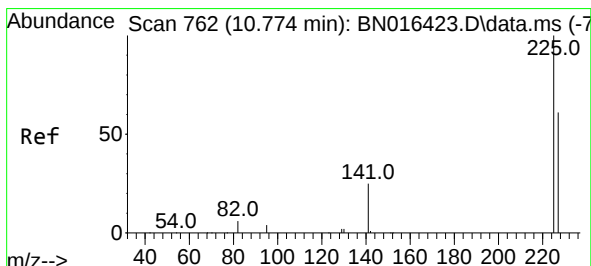
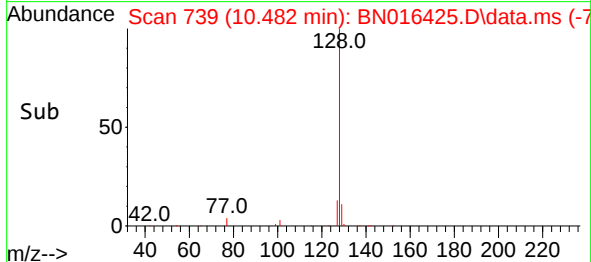
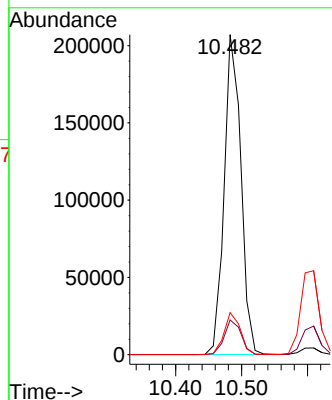
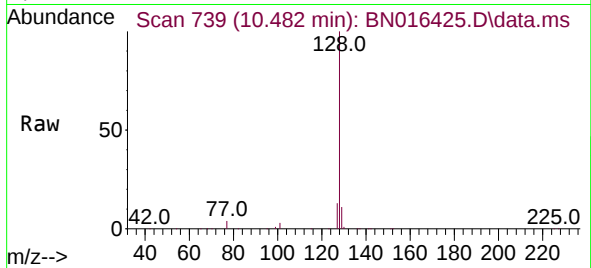




#9
Naphthalene
Concen: 1.692 ng
RT: 10.482 min Scan# 739
Delta R.T. 0.000 min
Lab File: BN016425.D
Acq: 23 Sep 2021 16:35

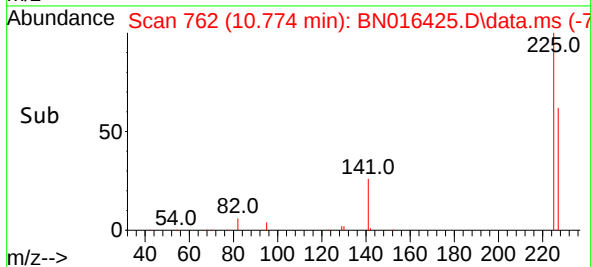
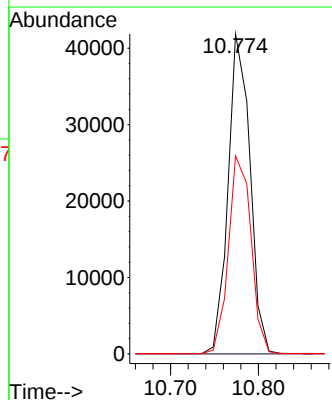
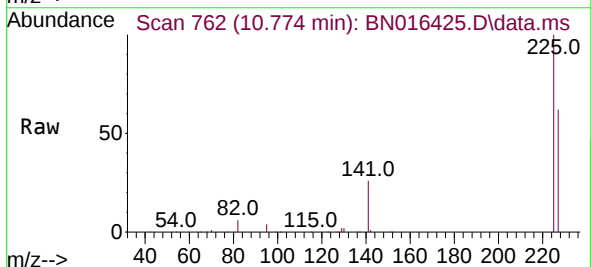
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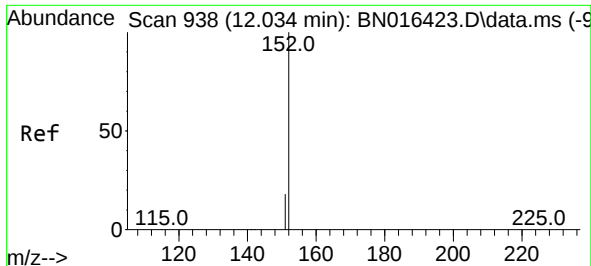
Tgt Ion:128 Resp: 364199
Ion Ratio Lower Upper
128 100
129 10.9 8.9 13.3
127 13.1 10.1 15.1



#10
Hexachlorobutadiene
Concen: 1.765 ng
RT: 10.774 min Scan# 762
Delta R.T. 0.000 min
Lab File: BN016425.D
Acq: 23 Sep 2021 16:35

Tgt Ion:225 Resp: 72265
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 63.7 51.5 77.3

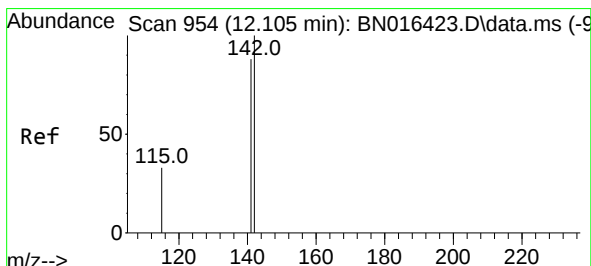
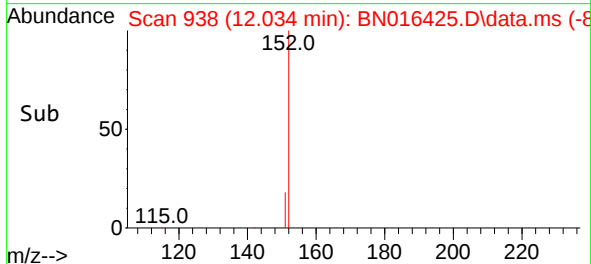
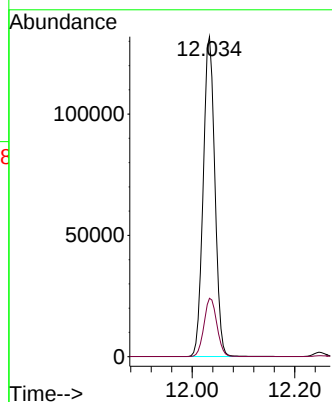
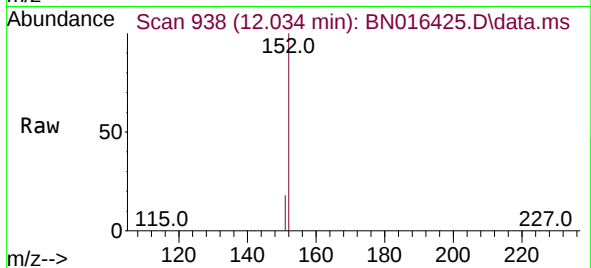




#11
2-Methylnaphthalene-d10
Concen: 1.651 ng
RT: 12.034 min Scan# 938
Delta R.T. 0.000 min
Lab File: BN016425.D
Acq: 23 Sep 2021 16:35

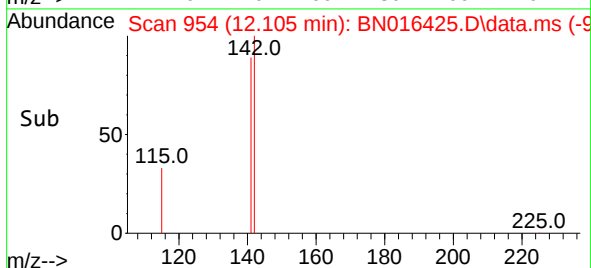
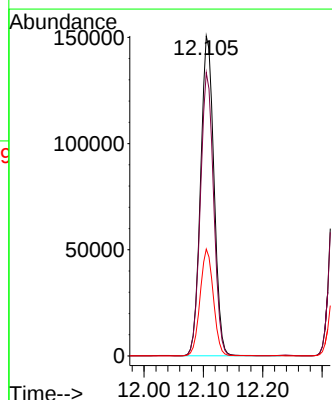
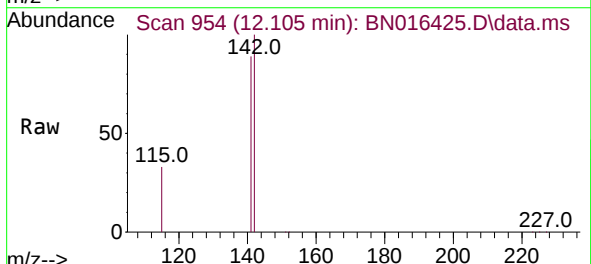
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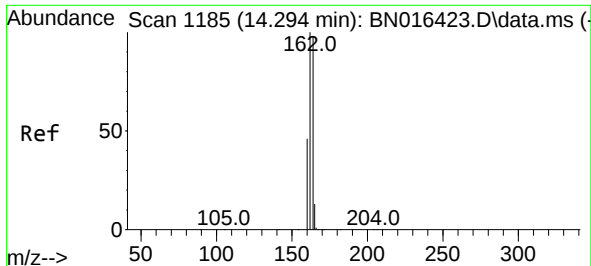
Tgt Ion:152 Resp: 207837
Ion Ratio Lower Upper
152 100
151 20.2 16.1 24.1



#12
2-Methylnaphthalene
Concen: 1.649 ng
RT: 12.105 min Scan# 954
Delta R.T. 0.000 min
Lab File: BN016425.D
Acq: 23 Sep 2021 16:35

Tgt Ion:142 Resp: 235392
Ion Ratio Lower Upper
142 100
141 88.6 69.8 104.8
115 33.4 24.4 36.6

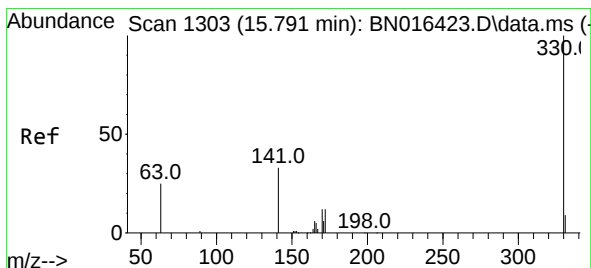
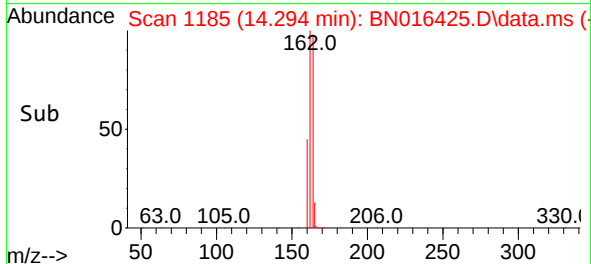
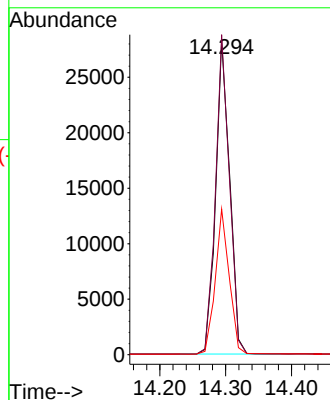
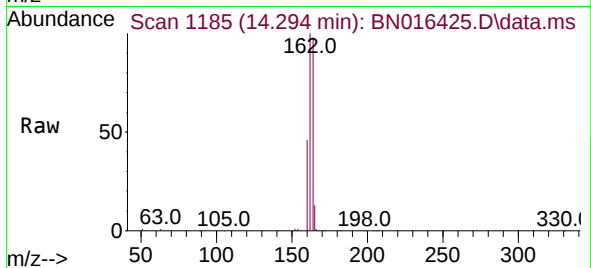




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.294 min Scan# 1185
Delta R.T. 0.000 min
Lab File: BN016425.D
Acq: 23 Sep 2021 16:35

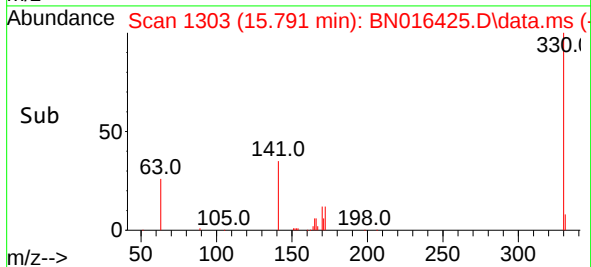
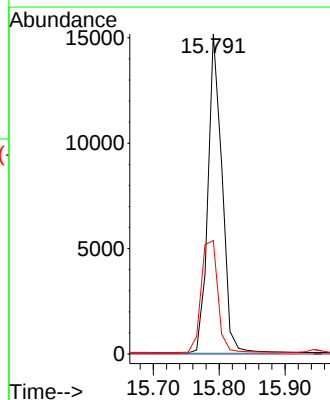
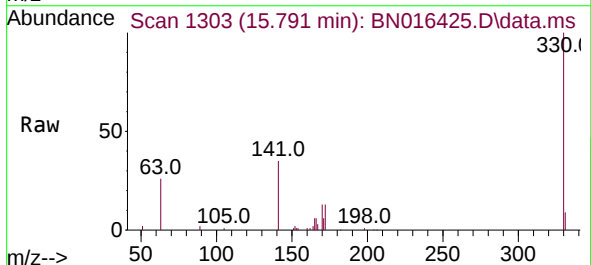
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

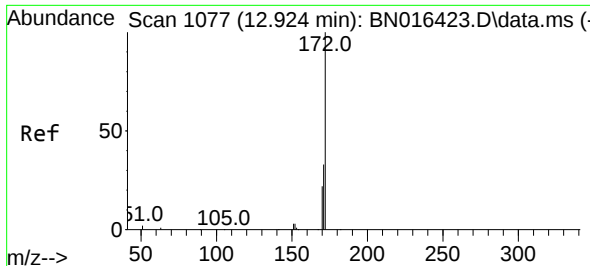
Tgt Ion:164 Resp: 41604
Ion Ratio Lower Upper
164 100
162 101.7 79.0 118.4
160 46.3 34.1 51.1



#14
2,4,6-Tribromophenol
Concen: 1.843 ng
RT: 15.791 min Scan# 1303
Delta R.T. 0.000 min
Lab File: BN016425.D
Acq: 23 Sep 2021 16:35

Tgt Ion:330 Resp: 22523
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 42.0 25.0 37.4#

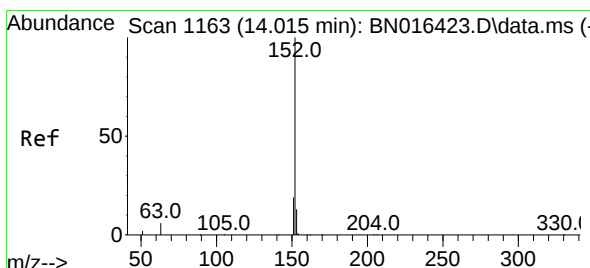
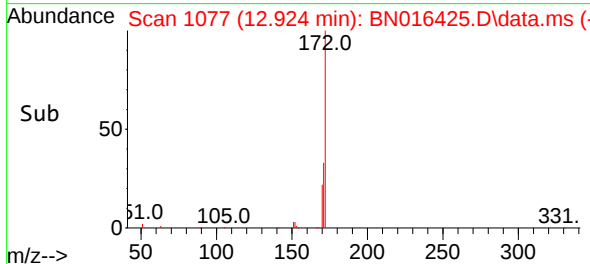
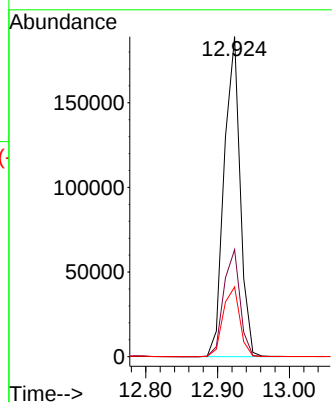
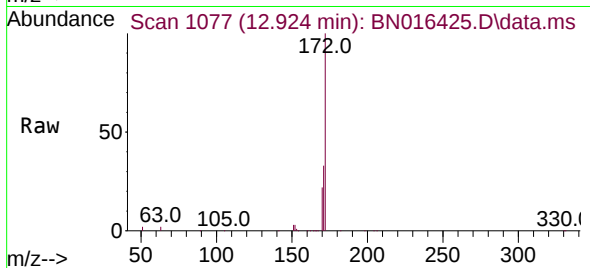




#15
2-Fluorobiphenyl
Concen: 1.793 ng
RT: 12.924 min Scan# 1077
Delta R.T. 0.000 min
Lab File: BN016425.D
Acq: 23 Sep 2021 16:35

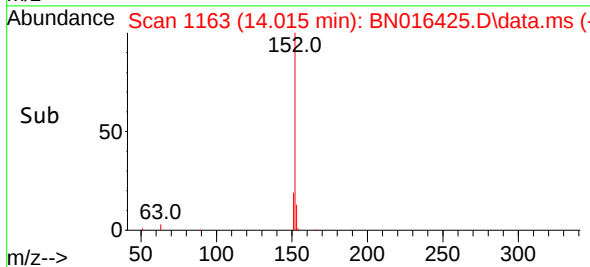
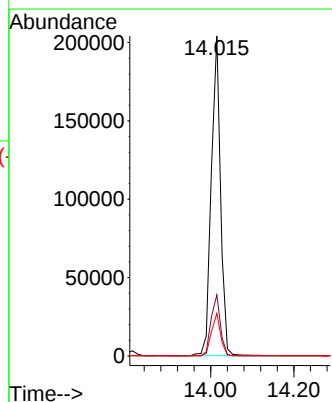
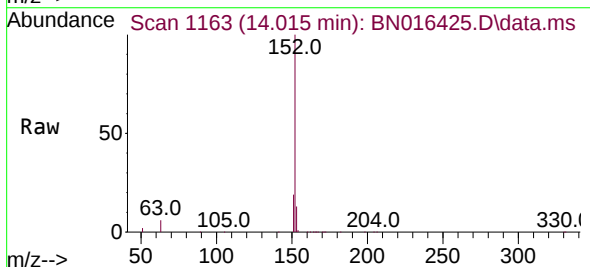
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

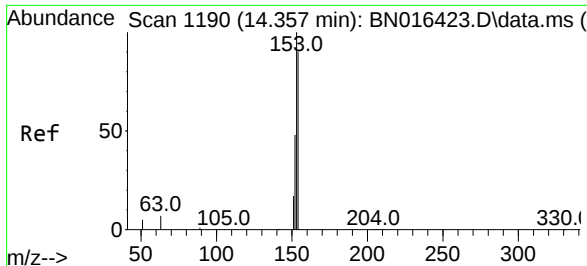
Tgt Ion:172 Resp: 291964
Ion Ratio Lower Upper
172 100
171 33.5 27.8 41.6
170 21.8 18.2 27.2



#16
Acenaphthylene
Concen: 1.625 ng
RT: 14.015 min Scan# 1163
Delta R.T. 0.000 min
Lab File: BN016425.D
Acq: 23 Sep 2021 16:35

Tgt Ion:152 Resp: 314502
Ion Ratio Lower Upper
152 100
151 19.3 15.2 22.8
153 13.1 10.5 15.7

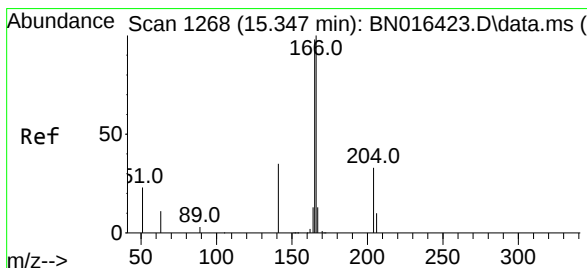
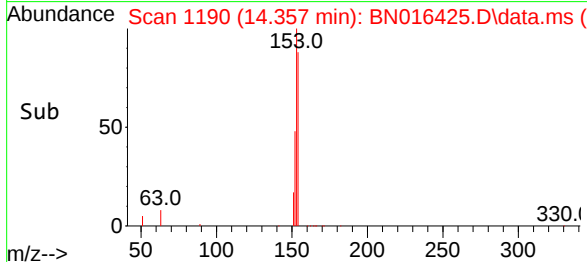
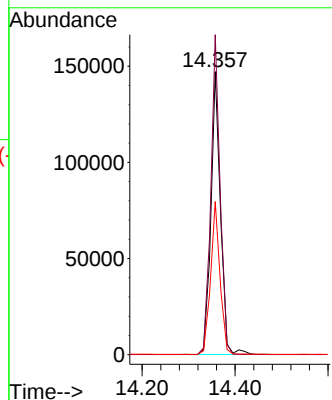
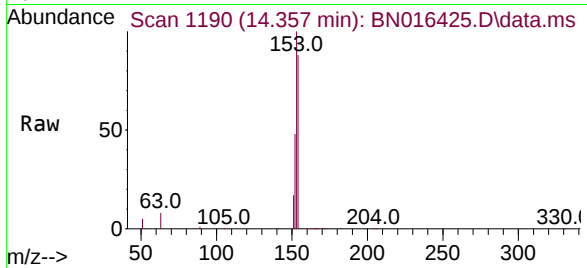




#17
Acenaphthene
Concen: 1.748 ng
RT: 14.357 min Scan# 1190
Delta R.T. 0.000 min
Lab File: BN016425.D
Acq: 23 Sep 2021 16:35

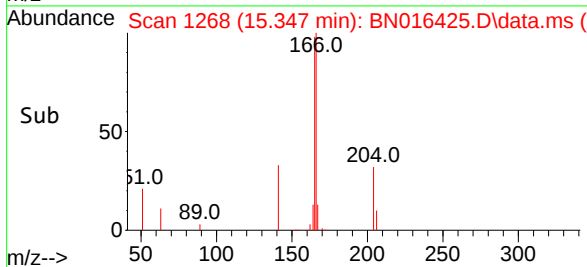
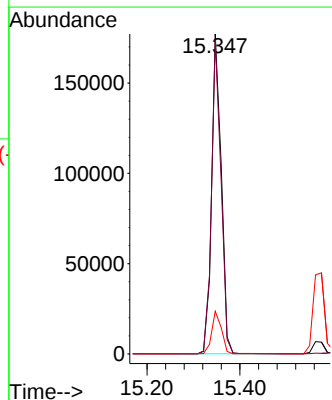
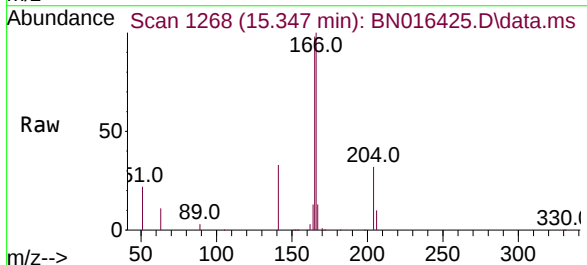
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

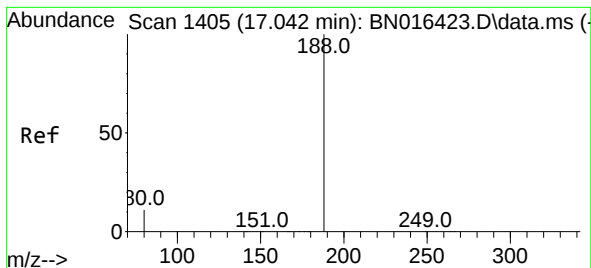
Tgt Ion:154 Resp: 209794
Ion Ratio Lower Upper
154 100
153 110.9 89.3 133.9
152 53.5 42.2 63.4



#18
Fluorene
Concen: 1.715 ng
RT: 15.347 min Scan# 1268
Delta R.T. 0.000 min
Lab File: BN016425.D
Acq: 23 Sep 2021 16:35

Tgt Ion:166 Resp: 255461
Ion Ratio Lower Upper
166 100
165 96.8 76.7 115.1
167 13.5 10.9 16.3

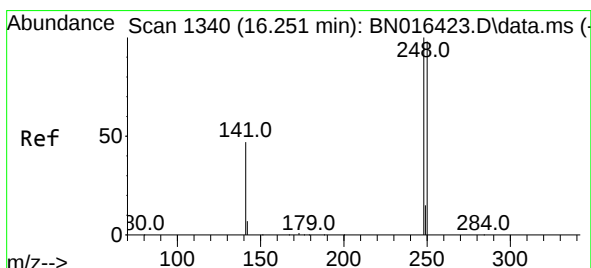
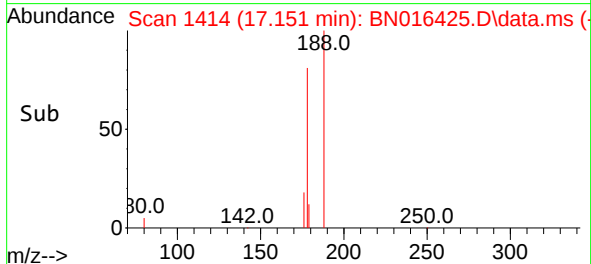
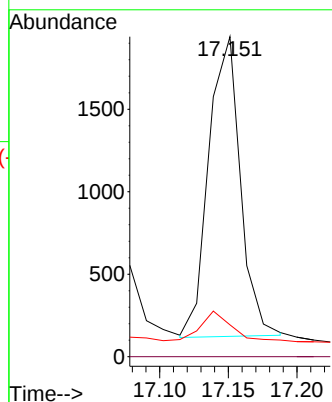
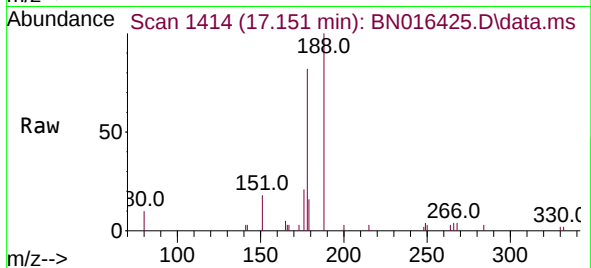




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.151 min Scan# 1414
Delta R.T. 0.110 min
Lab File: BN016425.D
Acq: 23 Sep 2021 16:35

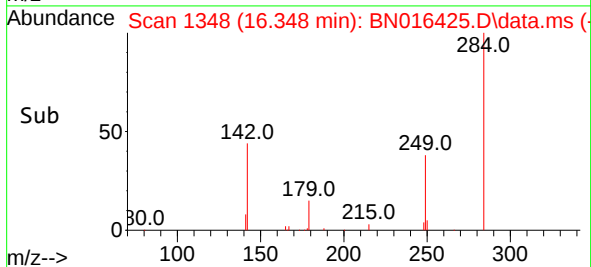
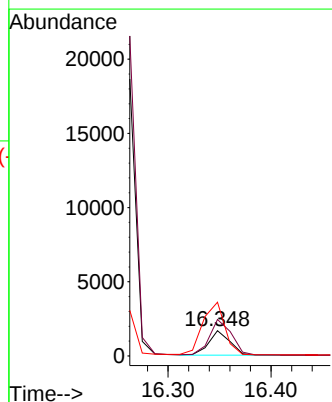
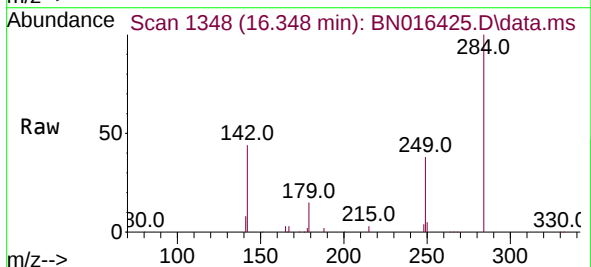
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

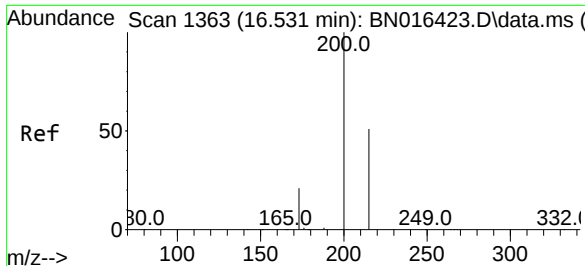
Tgt Ion:188	Resp:	2918
Ion Ratio	Lower	Upper
188	100	
94	0.0	0.0
80	9.9	7.0
	10.6	



#21
4-Bromophenyl-phenylether
Concen: 1.372 ng
RT: 16.348 min Scan# 1348
Delta R.T. 0.097 min
Lab File: BN016425.D
Acq: 23 Sep 2021 16:35

Tgt Ion:248	Resp:	2343
Ion Ratio	Lower	Upper
248	100	
250	144.6	80.5
141	212.4	34.8
		52.2#

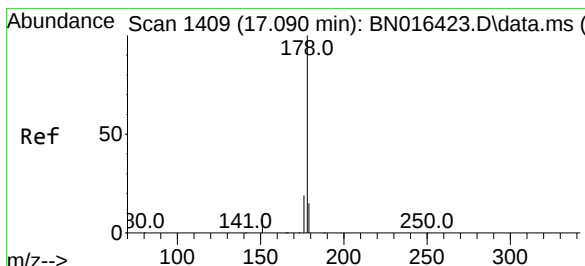
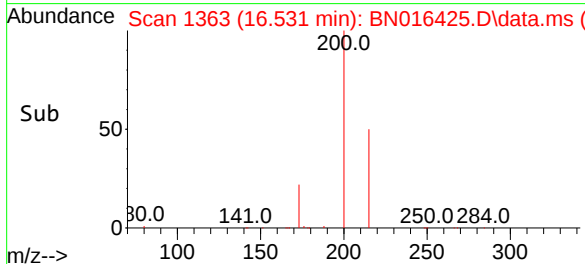
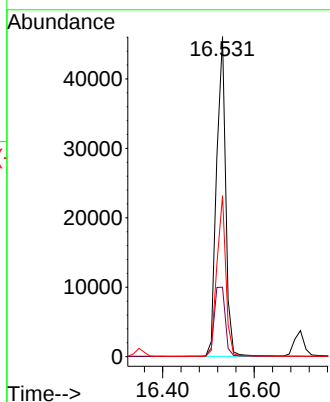
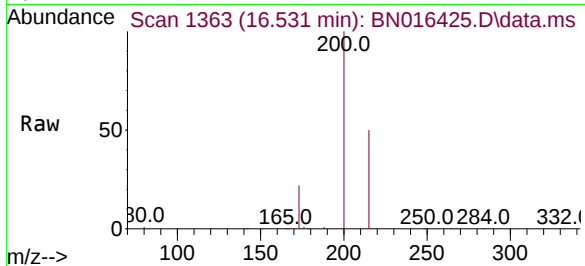




#23
Atrazine
Concen: 40.623 ng
RT: 16.531 min Scan# 1363
Delta R.T. 0.000 min
Lab File: BN016425.D
Acq: 23 Sep 2021 16:35

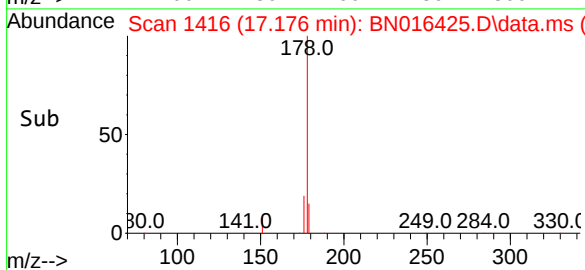
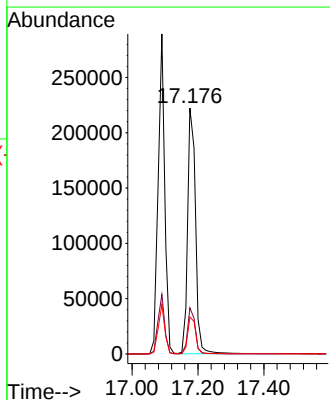
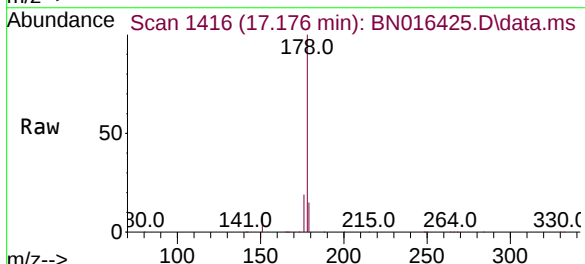
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

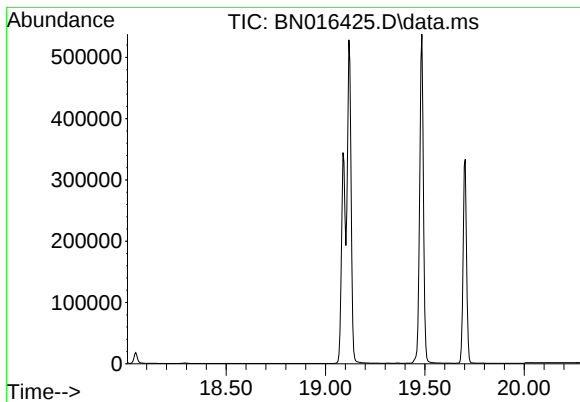
Tgt Ion:200 Resp: 63483
Ion Ratio Lower Upper
200 100
173 21.7 18.7 28.1
215 50.3 41.6 62.4



#25
Phenanthrene
Concen: 44.259 ng
RT: 17.176 min Scan# 1416
Delta R.T. 0.085 min
Lab File: BN016425.D
Acq: 23 Sep 2021 16:35

Tgt Ion:178 Resp: 364933
Ion Ratio Lower Upper
178 100
176 18.2 14.4 21.6
179 15.4 12.2 18.4

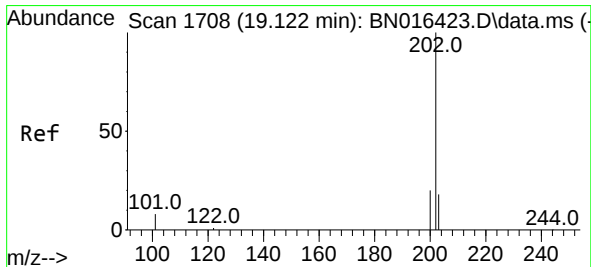
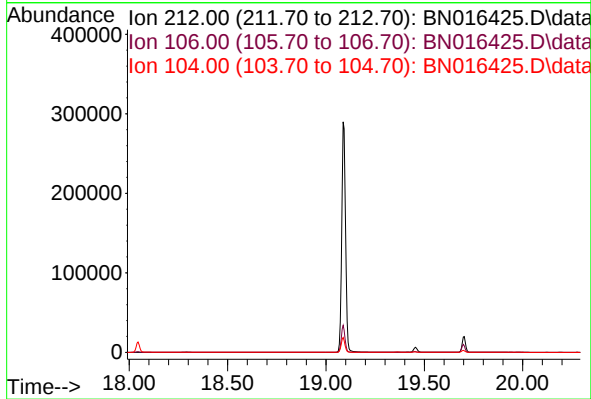




#27
 Fluoranthene-d10
 Concen: 0.000 ng
 Expected RT: 19.09 min
 Lab File: BN016425.D
 Acq: 23 Sep 2021 16:35

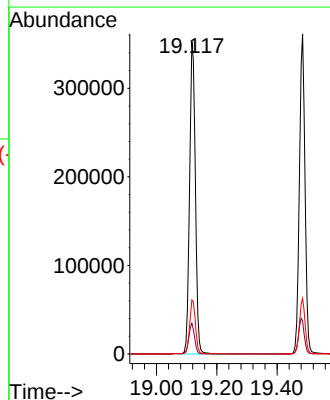
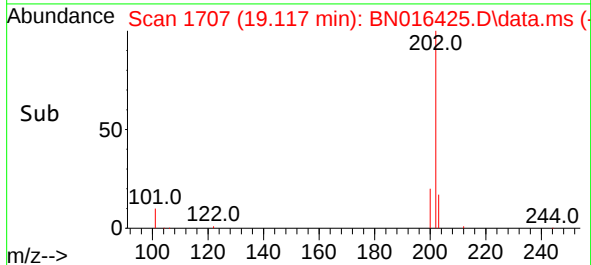
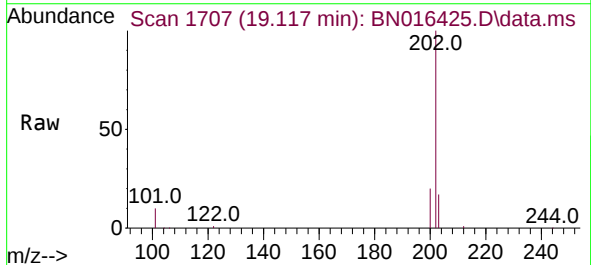
Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC1.6

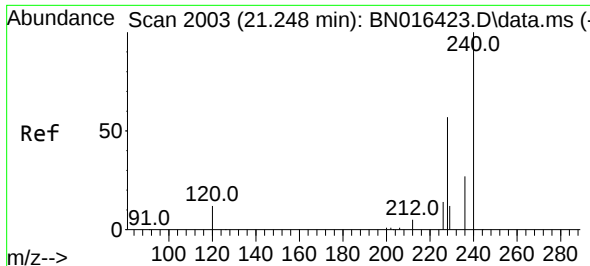
Tgt Ion: 212
 Sig Exp Ratio
 212 100
 106 12.2
 104 6.8



#28
 Fluoranthene
 Concen: 49.287 ng
 RT: 19.117 min Scan# 1707
 Delta R.T. -0.005 min
 Lab File: BN016425.D
 Acq: 23 Sep 2021 16:35

Tgt Ion: 202 Resp: 468121
 Ion Ratio Lower Upper
 202 100
 101 9.7 8.5 12.7
 203 17.4 13.8 20.8

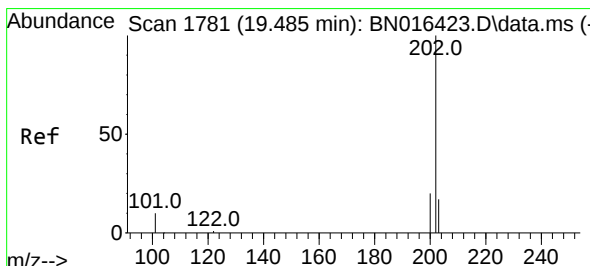
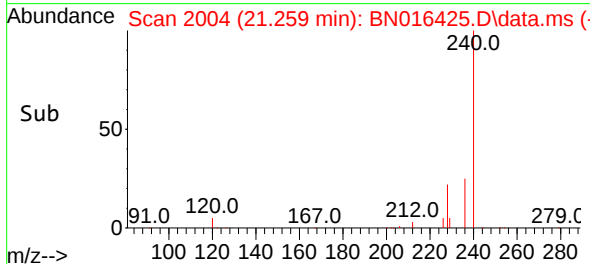
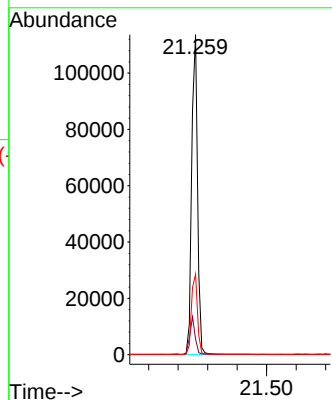
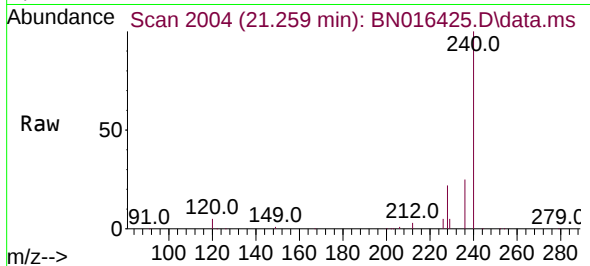




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.259 min Scan# 2004
Delta R.T. 0.011 min
Lab File: BN016425.D
Acq: 23 Sep 2021 16:35

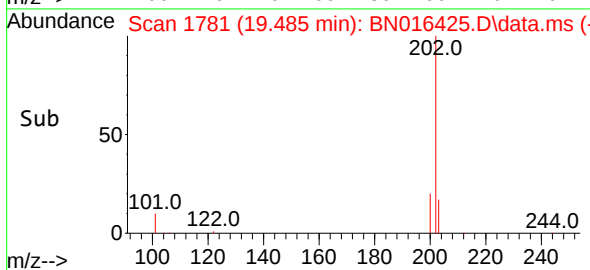
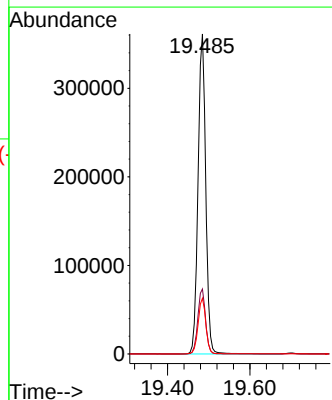
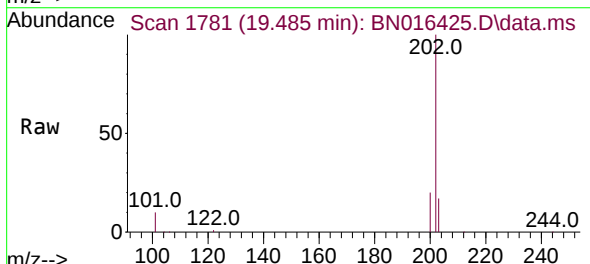
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

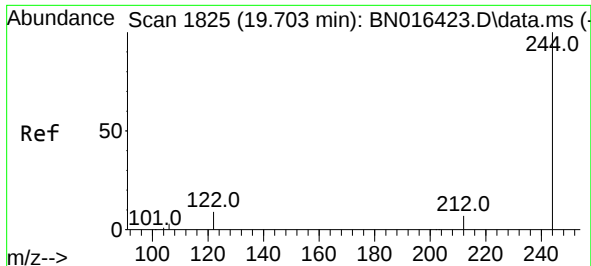
Tgt Ion:240 Resp: 156067
Ion Ratio Lower Upper
240 100
120 4.9 5.3 7.9#
236 25.2 19.8 29.8



#30
Pyrene
Concen: 0.948 ng
RT: 19.485 min Scan# 1781
Delta R.T. 0.000 min
Lab File: BN016425.D
Acq: 23 Sep 2021 16:35

Tgt Ion:202 Resp: 467907
Ion Ratio Lower Upper
202 100
200 20.5 15.8 23.6
203 17.5 13.9 20.9

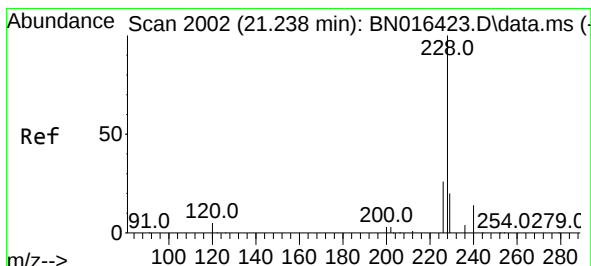
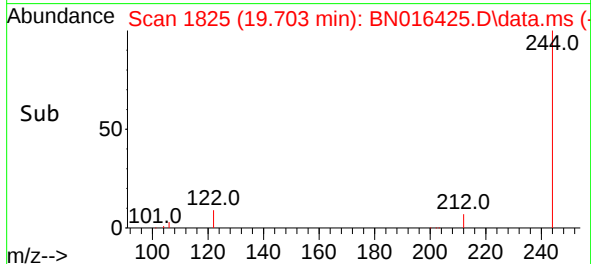
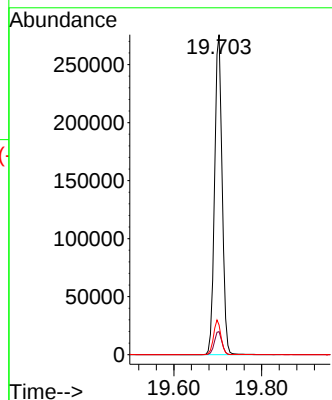
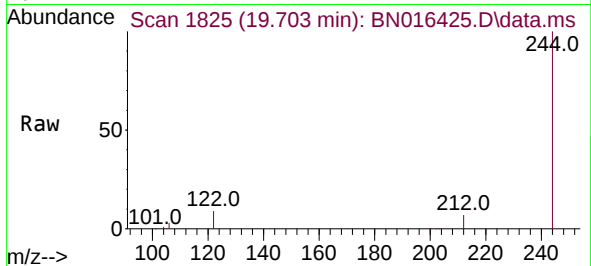




#31
 Terphenyl-d14
 Concen: 0.908 ng
 RT: 19.703 min Scan# 1825
 Delta R.T. 0.000 min
 Lab File: BN016425.D
 Acq: 23 Sep 2021 16:35

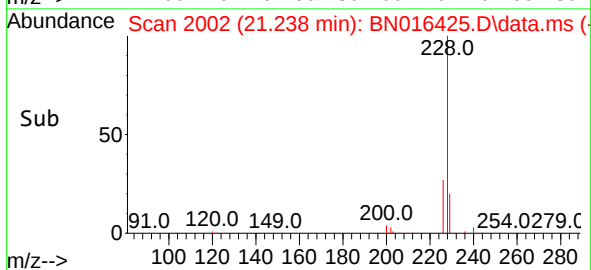
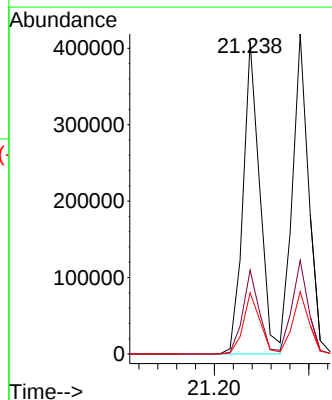
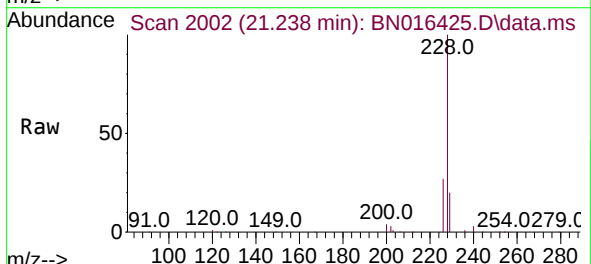
Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC1.6

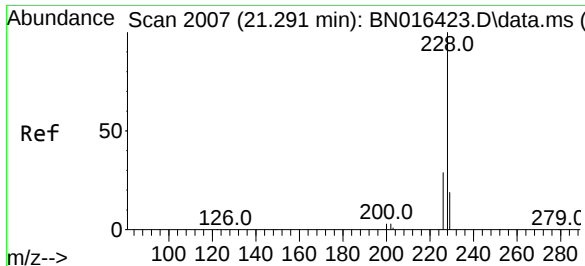
Tgt Ion:244 Resp: 328353
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.5 8.3
 122 9.3 9.0 13.4



#32
 Benzo(a)anthracene
 Concen: 0.999 ng
 RT: 21.238 min Scan# 2002
 Delta R.T. 0.000 min
 Lab File: BN016425.D
 Acq: 23 Sep 2021 16:35

Tgt Ion:228 Resp: 501126
 Ion Ratio Lower Upper
 228 100
 226 26.9 20.8 31.2
 229 19.6 15.8 23.6

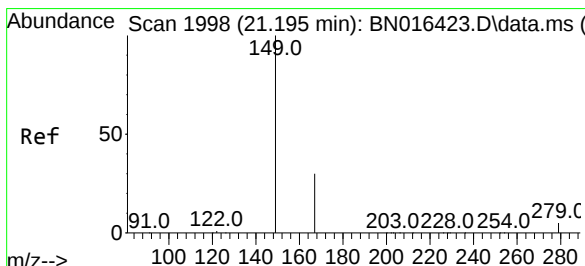
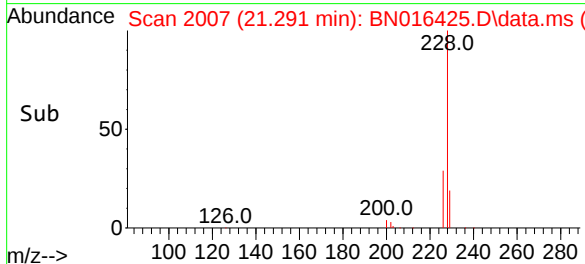
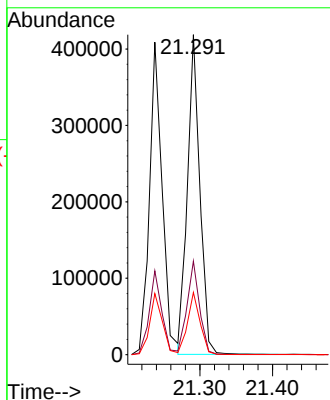
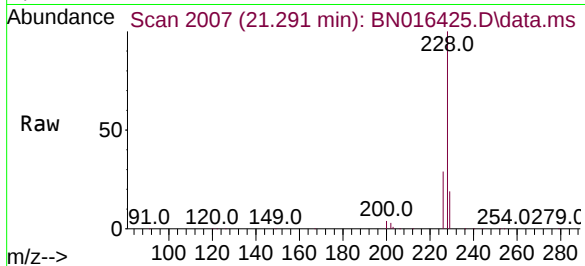




#33
Chrysene
Concen: 1.024 ng
RT: 21.291 min Scan# 2007
Delta R.T. 0.000 min
Lab File: BN016425.D
Acq: 23 Sep 2021 16:35

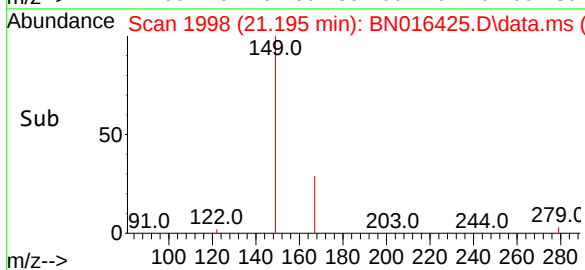
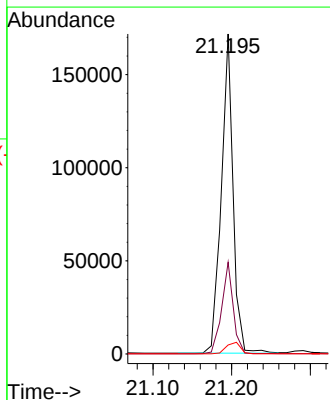
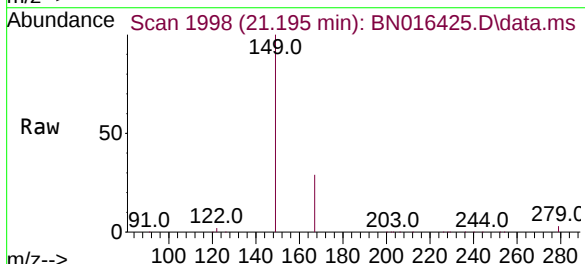
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

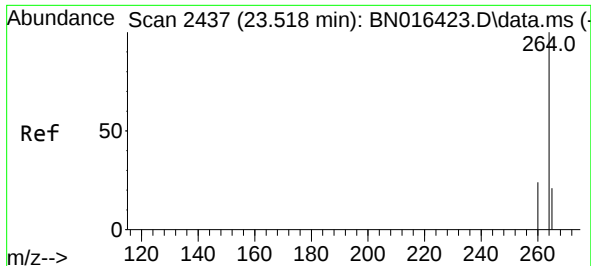
Tgt Ion:	228	Resp:	496881
Ion Ratio	Lower	Upper	
228	100		
226	29.2	23.0	34.4
229	19.5	15.6	23.4



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.655 ng
RT: 21.195 min Scan# 1998
Delta R.T. 0.000 min
Lab File: BN016425.D
Acq: 23 Sep 2021 16:35

Tgt Ion:	149	Resp:	177189
Ion Ratio	Lower	Upper	
149	100		
167	28.0	23.4	35.0
279	4.3	3.9	5.9

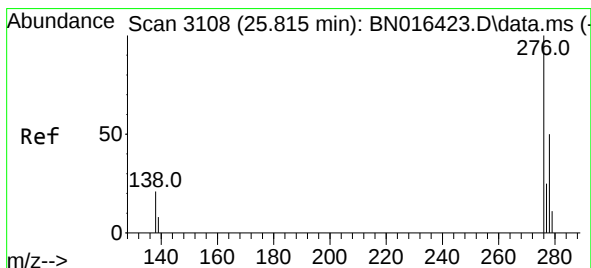
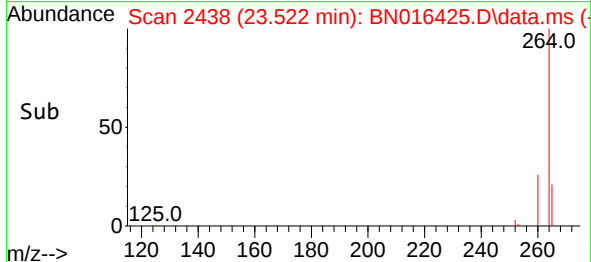
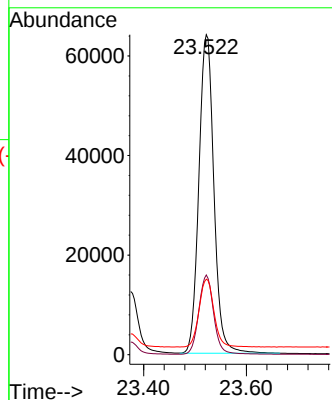
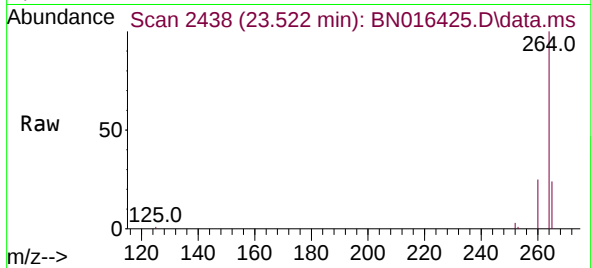




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.522 min Scan# 2438
Delta R.T. 0.003 min
Lab File: BN016425.D
Acq: 23 Sep 2021 16:35

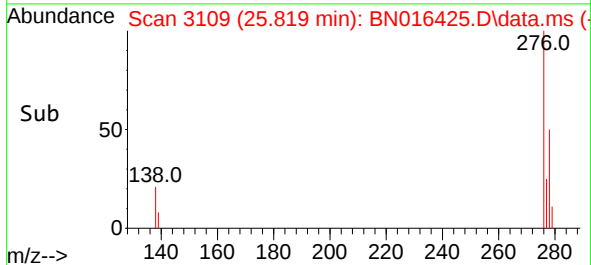
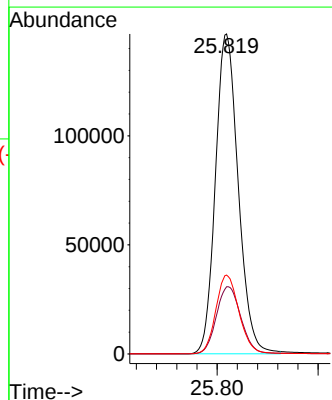
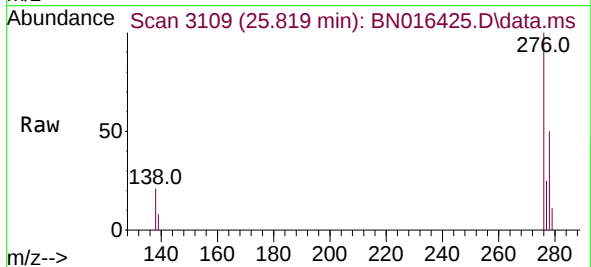
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

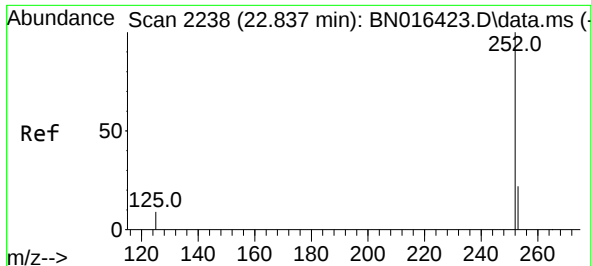
Tgt Ion:264 Resp: 129625
Ion Ratio Lower Upper
264 100
260 24.9 18.9 28.3
265 23.6 23.7 35.5#



#36
Indeno(1,2,3-cd)pyrene
Concen: 1.097 ng
RT: 25.819 min Scan# 3109
Delta R.T. 0.003 min
Lab File: BN016425.D
Acq: 23 Sep 2021 16:35

Tgt Ion:276 Resp: 459066
Ion Ratio Lower Upper
276 100
138 22.6 19.3 28.9
277 25.0 20.2 30.2

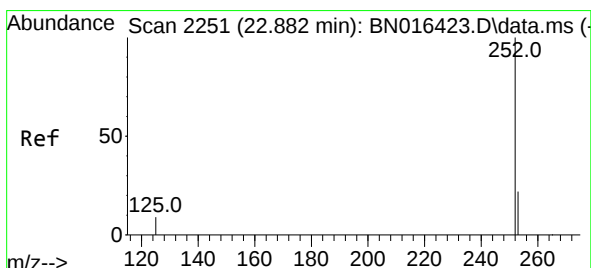
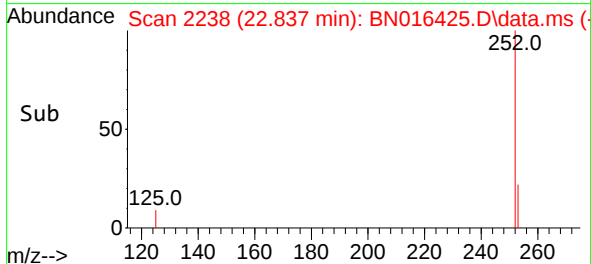
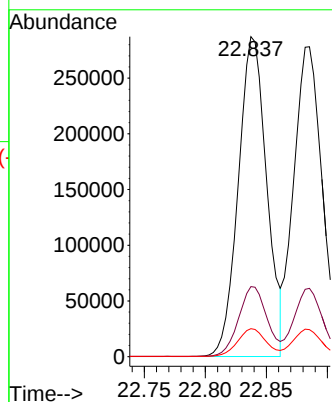
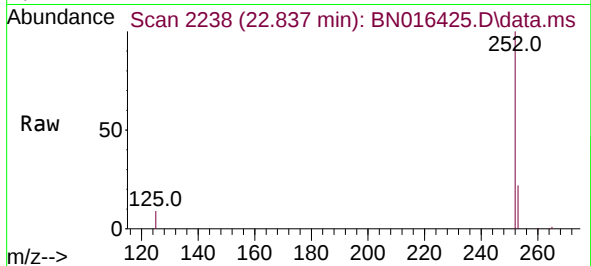




#37
Benzo(b)fluoranthene
Concen: 1.128 ng
RT: 22.837 min Scan# 2238
Delta R.T. 0.000 min
Lab File: BN016425.D
Acq: 23 Sep 2021 16:35

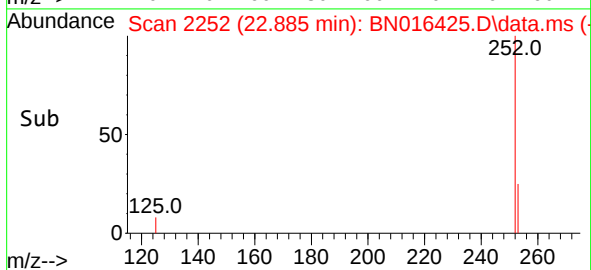
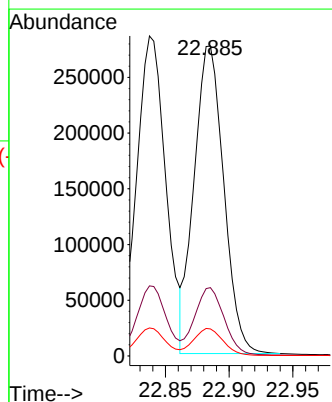
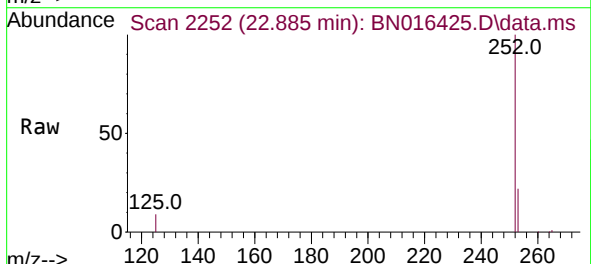
Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

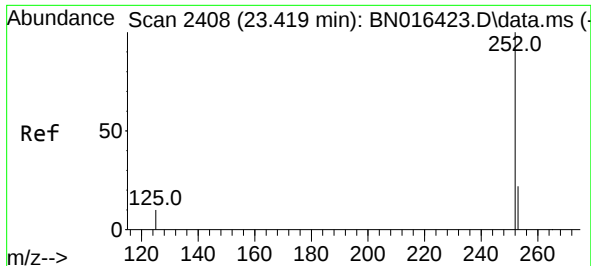
Tgt Ion:252 Resp: 464362
Ion Ratio Lower Upper
252 100
253 21.9 18.2 27.2
125 8.7 8.4 12.6



#38
Benzo(k)fluoranthene
Concen: 1.128 ng
RT: 22.885 min Scan# 2252
Delta R.T. 0.003 min
Lab File: BN016425.D
Acq: 23 Sep 2021 16:35

Tgt Ion:252 Resp: 446728
Ion Ratio Lower Upper
252 100
253 22.1 18.2 27.2
125 8.8 8.2 12.4





#39

Benzo(a)pyrene

Concen: 1.062 ng

RT: 23.423 min Scan# 2409

Delta R.T. 0.003 min

Lab File: BN016425.D

Acq: 23 Sep 2021 16:35

Tgt Ion:252 Resp: 395449

Ion Ratio Lower Upper

252 100

253 22.0 18.7 28.1

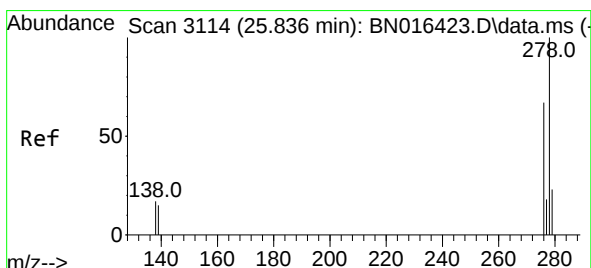
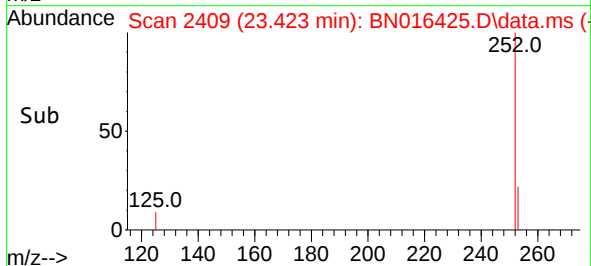
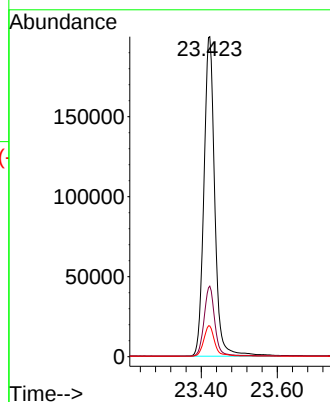
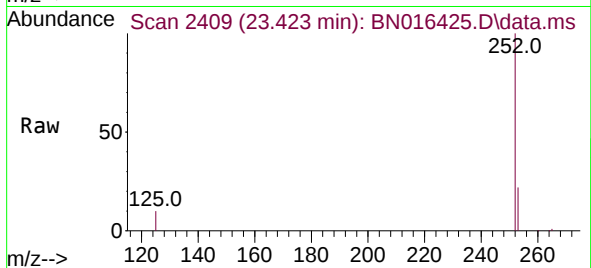
125 9.6 9.9 14.9#

Instrument :

BNA_N

ClientSampleId :

SSTDICC1.6



#40

Dibenzo(a,h)anthracene

Concen: 1.090 ng

RT: 25.839 min Scan# 3115

Delta R.T. 0.003 min

Lab File: BN016425.D

Acq: 23 Sep 2021 16:35

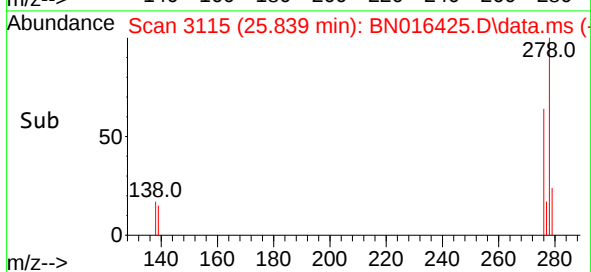
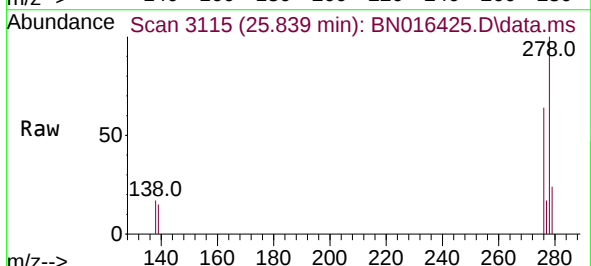
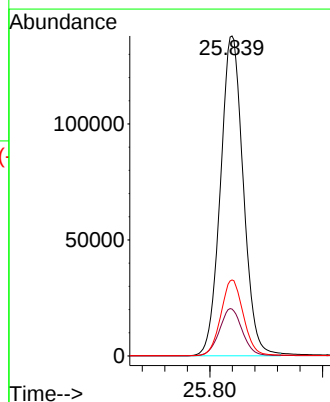
Tgt Ion:278 Resp: 387150

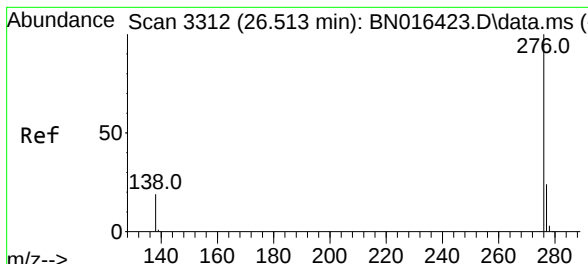
Ion Ratio Lower Upper

278 100

139 14.6 14.2 21.2

279 23.7 21.3 31.9





#41
 Benzo(g,h,i)perylene
 Concen: 1.120 ng
 RT: 26.520 min Scan# 3314
 Delta R.T. 0.007 min
 Lab File: BN016425.D
 Acq: 23 Sep 2021 16:35

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC1.6

Tgt Ion:	276	Resp:	396021
Ion Ratio	Lower	Upper	
276	100		
277	23.8	20.5	30.7
138	19.2	18.2	27.4

