

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100421\
 Data File : BN016765.D
 Acq On : 06 Oct 2021 05:41
 Operator : CG/JU
 Sample : M3966-02
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-831-J-SO-2-2.5-092721

Quant Time: Oct 06 06:57:55 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN100421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 04 17:52:33 2021
 Response via : Initial Calibration

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

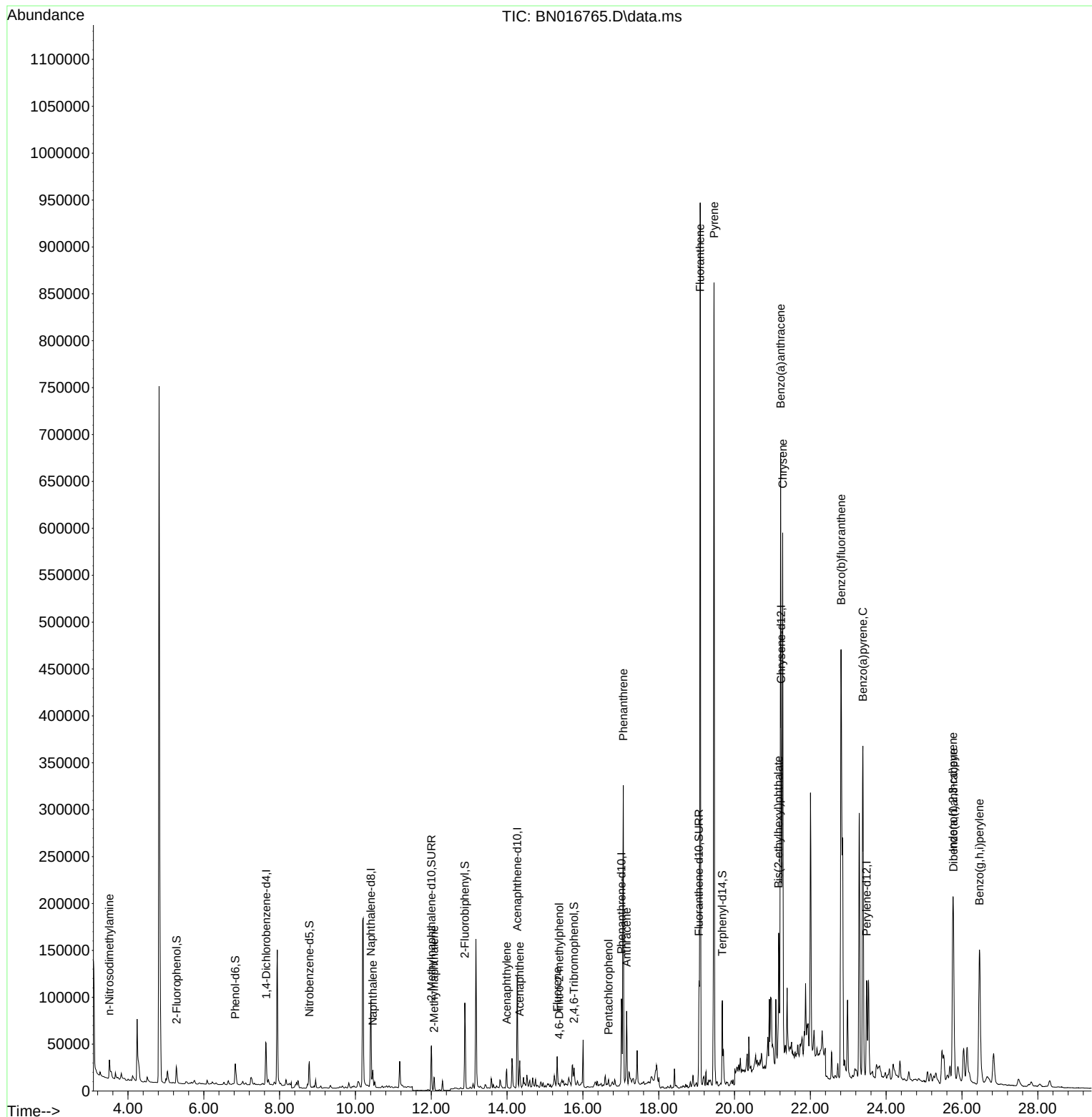
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.642	152	26494	0.400	ng	0.00
7) Naphthalene-d8	10.407	136	118773	0.400	ng	# 0.00
13) Acenaphthene-d10	14.269	164	64828	0.400	ng	0.00
19) Phenanthrene-d10	17.018	188	125086	0.400	ng	#-0.01
29) Chrysene-d12	21.227	240	120902	0.400	ng	#-0.01
35) Perylene-d12	23.484	264	133812	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.282	112	19430	0.287	ng	0.03
5) Phenol-d6	6.831	99	23227	0.310	ng	0.00
8) Nitrobenzene-d5	8.784	82	26459	0.318	ng	0.00
11) 2-Methylnaphthalene-d10	12.003	152	65111	0.368	ng	0.00
14) 2,4,6-Tribromophenol	15.766	330	8648	0.348	ng	-0.01
15) 2-Fluorobiphenyl	12.886	172	81792	0.315	ng	-0.01
27) Fluoranthene-d10	19.063	212	122080	0.357	ng	0.00
31) Terphenyl-d14	19.678	244	91929	0.340	ng	0.00
Target Compounds						
						Qvalue
3) n-Nitrosodimethylamine	3.511	42	5890	0.295	ng	# 1
9) Naphthalene	10.457	128	23270	0.072	ng	98
12) 2-Methylnaphthalene	12.074	142	9898	0.048	ng	98
16) Acenaphthylene	13.990	152	23127	0.081	ng	97
17) Acenaphthene	14.332	154	12849	0.068	ng	95
18) Fluorene	15.322	166	18264	0.080	ng	# 95
20) 4,6-Dinitro-2-methylph...	15.373	198	14	0.267	ng	# 1
24) Pentachlorophenol	16.677	266	651	0.354	ng	95
25) Phenanthrene	17.066	178	333305	0.906	ng	98
26) Anthracene	17.151	178	77596	0.236	ng	# 94
28) Fluoranthene	19.093	202	853716	2.092	ng	100
30) Pyrene	19.460	202	772973	1.944	ng	# 94
32) Benzo(a)anthracene	21.217	228	534494	1.425	ng	98
33) Chrysene	21.270	228	508520	1.337	ng	96
34) Bis(2-ethylhexyl)phtha...	21.164	149	127944	0.563	ng	# 89
36) Indeno(1,2,3-cd)pyrene	25.764	276	321398	0.757	ng	97
37) Benzo(b)fluoranthene	22.810	252	775970	1.793	ng	97
39) Benzo(a)pyrene	23.385	252	502208	1.297	ng	98
40) Dibenzo(a,h)anthracene	25.774	278	78074	0.232	ng	# 82
41) Benzo(g,h,i)perylene	26.462	276	310945	0.825	ng	98

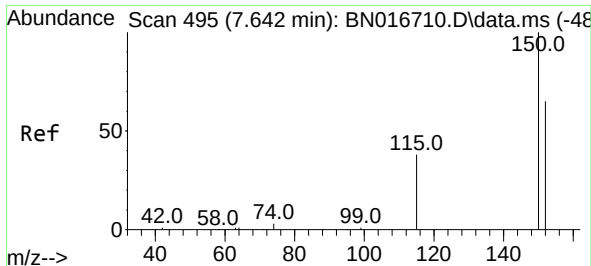
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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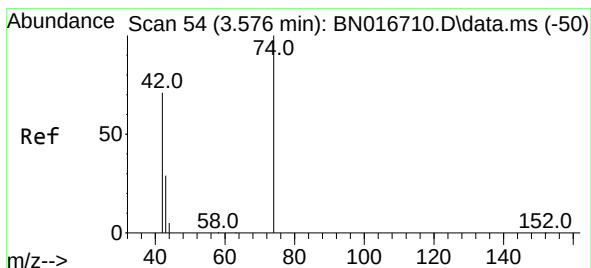
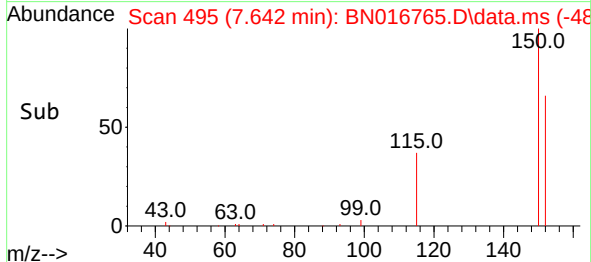
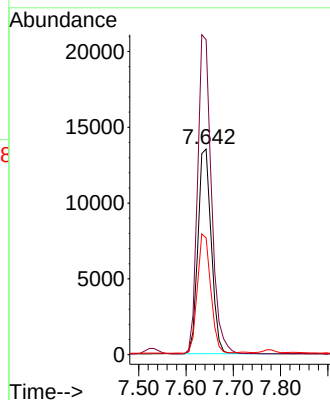
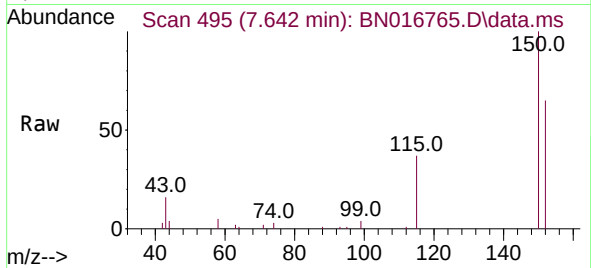




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.642 min Scan# 495
Delta R.T. 0.000 min
Lab File: BN016765.D
Acq: 06 Oct 2021 05:41

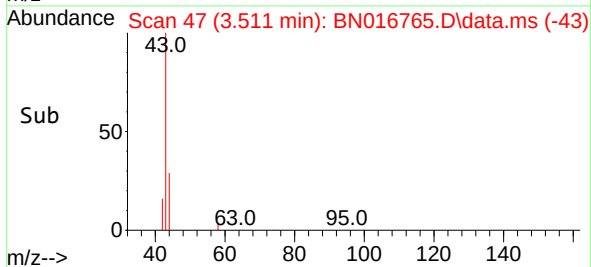
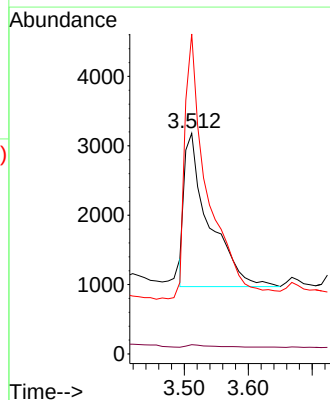
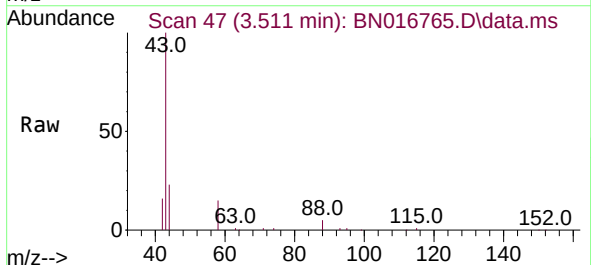
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ClientSampleId :
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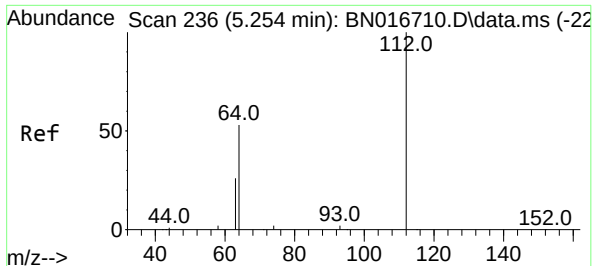
Tgt Ion:152 Resp: 26494
Ion Ratio Lower Upper
152 100
150 153.2 123.3 184.9
115 56.8 47.0 70.6



#3
n-Nitrosodimethylamine
Concen: 0.295 ng
RT: 3.511 min Scan# 47
Delta R.T. -0.064 min
Lab File: BN016765.D
Acq: 06 Oct 2021 05:41

Tgt Ion: 42 Resp: 5890
Ion Ratio Lower Upper
42 100
74 1.5 124.0 186.0#
44 143.2 5.6 8.4#

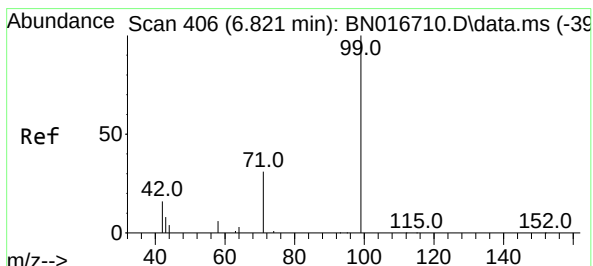
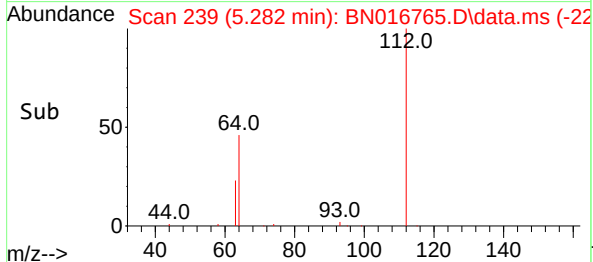
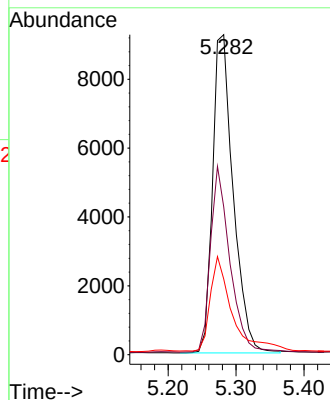
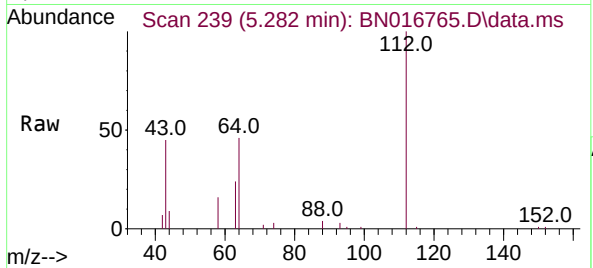




#4
2-Fluorophenol
Concen: 0.287 ng
RT: 5.282 min Scan# 239
Delta R.T. 0.028 min
Lab File: BN016765.D
Acq: 06 Oct 2021 05:41

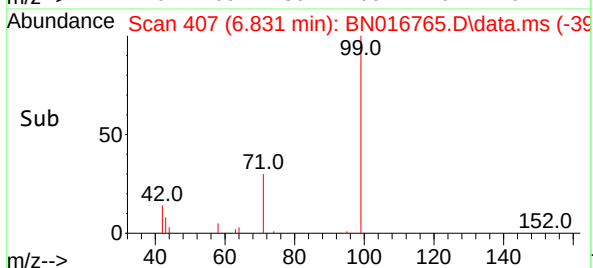
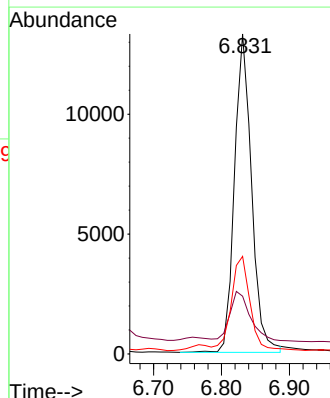
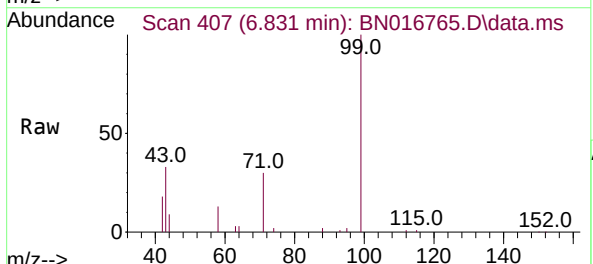
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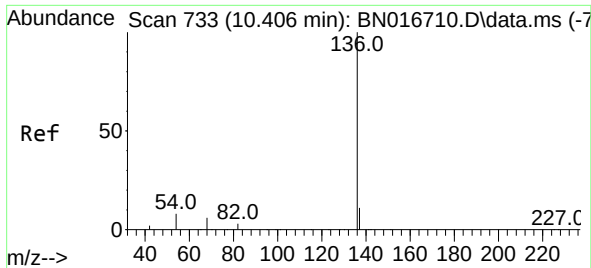
Tgt Ion:	112	Resp:	19430
Ion	Ratio	Lower	Upper
112	100		
64	54.8	42.9	64.3
63	30.9	21.5	32.3



#5
Phenol-d6
Concen: 0.310 ng
RT: 6.831 min Scan# 407
Delta R.T. 0.010 min
Lab File: BN016765.D
Acq: 06 Oct 2021 05:41

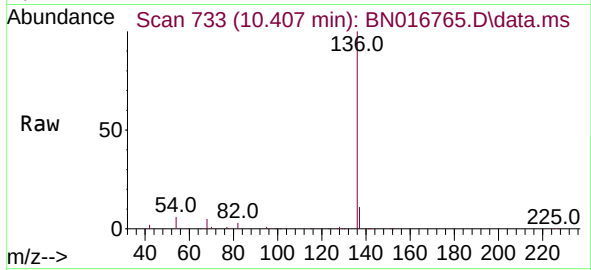
Tgt Ion:	99	Resp:	23227
Ion	Ratio	Lower	Upper
99	100		
42	18.1	13.4	20.2
71	30.5	24.0	36.0



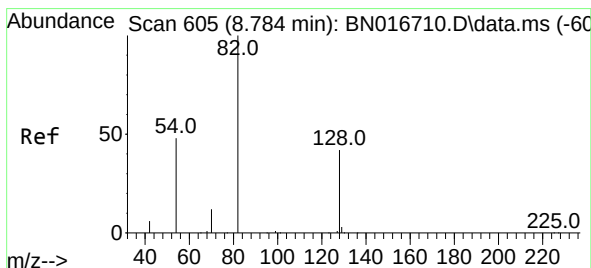
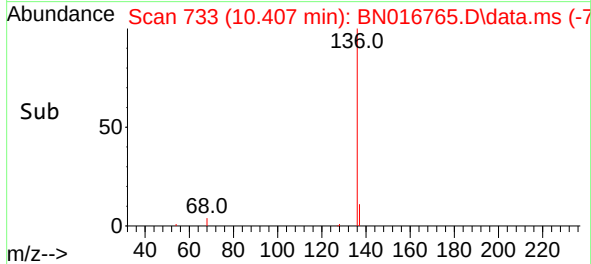
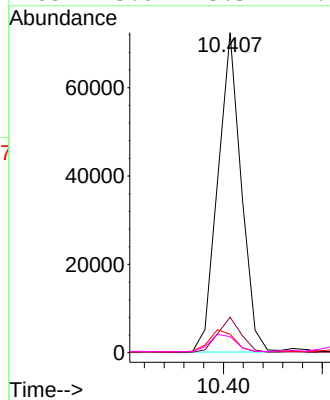


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.407 min Scan# 733
Delta R.T. 0.000 min
Lab File: BN016765.D
Acq: 06 Oct 2021 05:41

Instrument :
BNA_N
ClientSampleId :
S-831-J-SO-2-2.5-092721

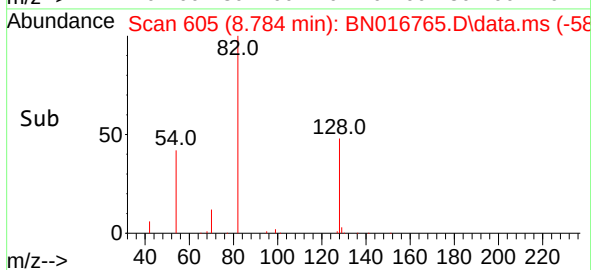
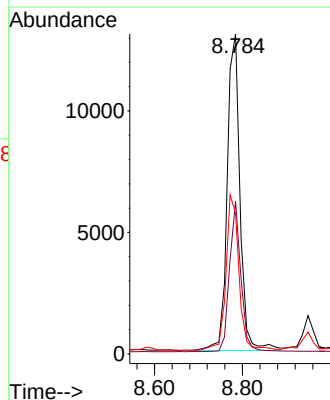
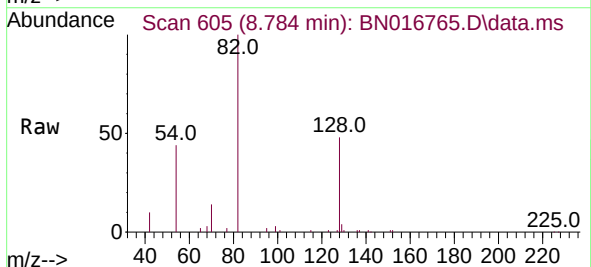


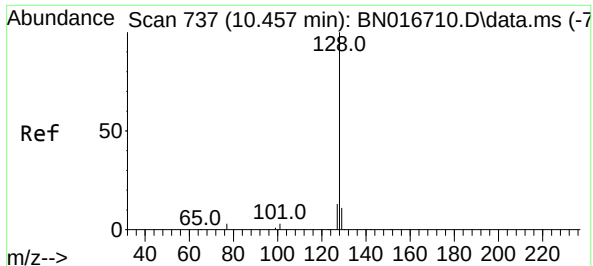
Tgt Ion:136 Resp: 118773
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 5.7 6.5 9.7#
68 5.0 5.3 7.9#



#8
Nitrobenzene-d5
Concen: 0.318 ng
RT: 8.784 min Scan# 605
Delta R.T. 0.000 min
Lab File: BN016765.D
Acq: 06 Oct 2021 05:41

Tgt Ion: 82 Resp: 26459
Ion Ratio Lower Upper
82 100
128 47.7 33.8 50.6
54 44.0 38.5 57.7

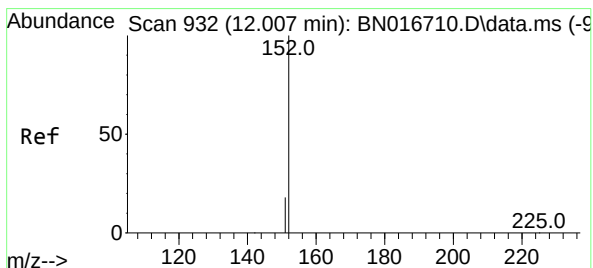
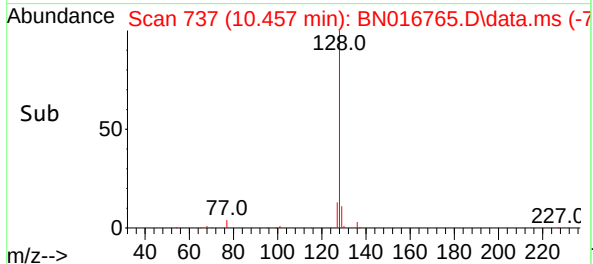
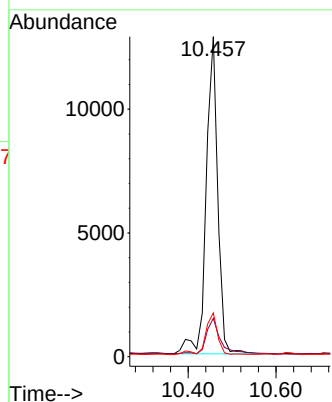
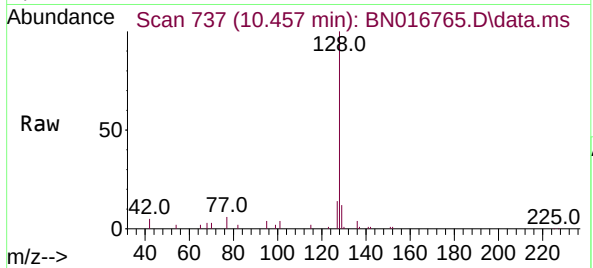




#9
Naphthalene
Concen: 0.072 ng
RT: 10.457 min Scan# 737
Delta R.T. 0.000 min
Lab File: BN016765.D
Acq: 06 Oct 2021 05:41

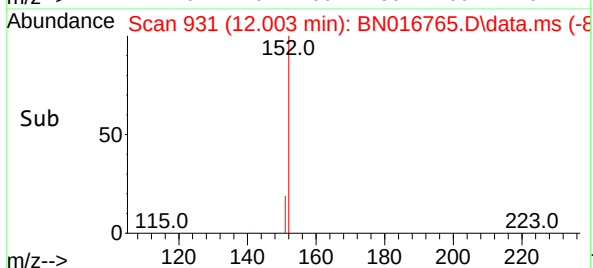
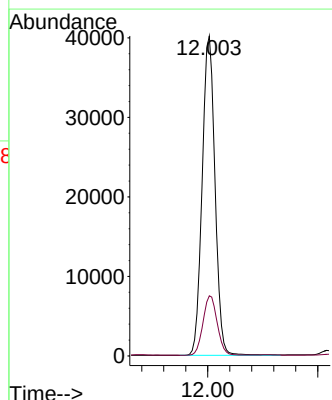
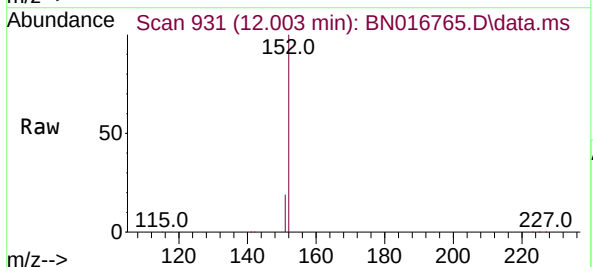
Instrument :
BNA_N
ClientSampleId :
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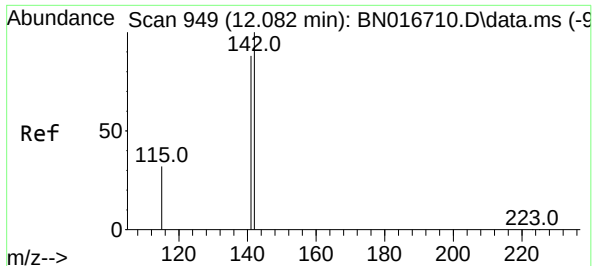
Tgt Ion:	128	Resp:	23270
Ion Ratio	Lower	Upper	
128	100		
129	11.9	8.7	13.1
127	13.7	10.3	15.5



#11
2-Methylnaphthalene-d10
Concen: 0.368 ng
RT: 12.003 min Scan# 931
Delta R.T. -0.004 min
Lab File: BN016765.D
Acq: 06 Oct 2021 05:41

Tgt Ion:	152	Resp:	65111
Ion Ratio	Lower	Upper	
152	100		
151	20.6	16.2	24.4

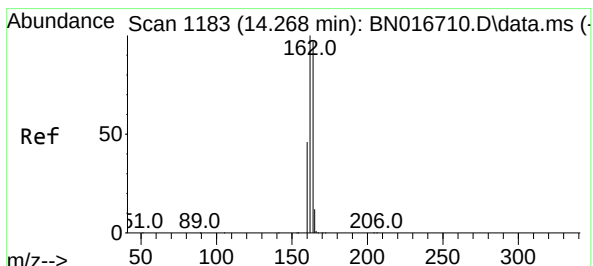
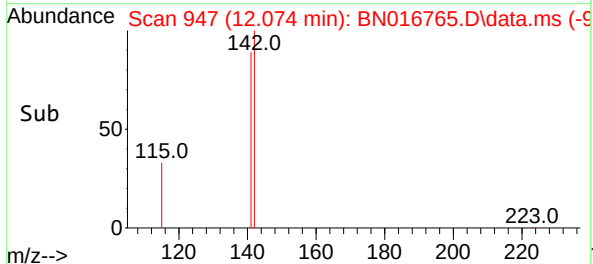
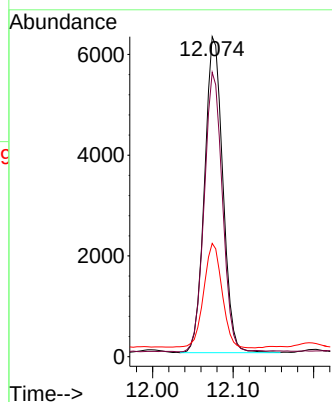
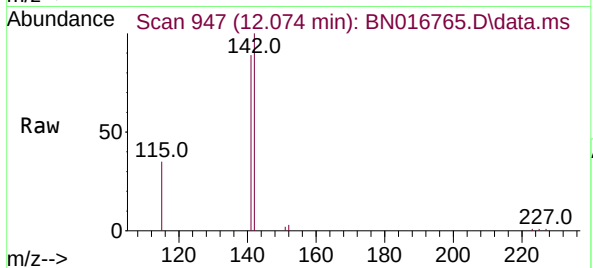




#12
2-Methylnaphthalene
Concen: 0.048 ng
RT: 12.074 min Scan# 947
Delta R.T. -0.009 min
Lab File: BN016765.D
Acq: 06 Oct 2021 05:41

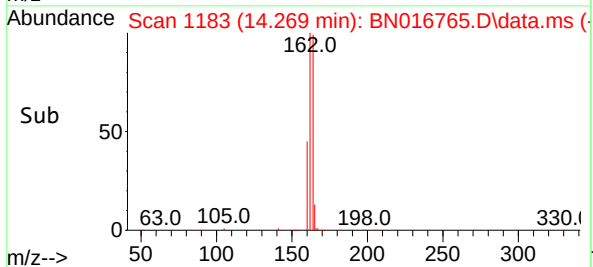
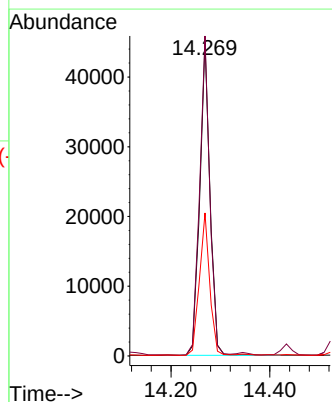
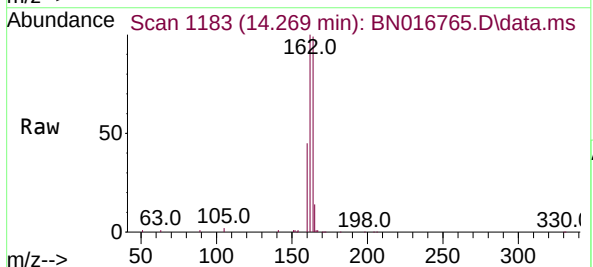
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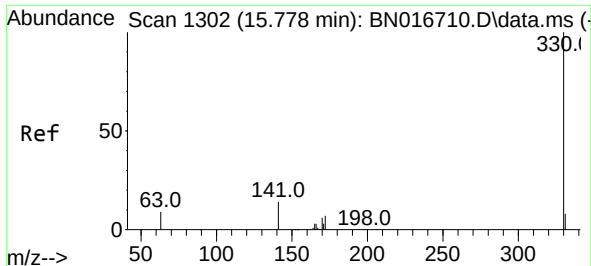
Tgt Ion:142 Resp: 9898
Ion Ratio Lower Upper
142 100
141 88.9 70.6 106.0
115 35.4 26.1 39.1



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.269 min Scan# 1183
Delta R.T. 0.000 min
Lab File: BN016765.D
Acq: 06 Oct 2021 05:41

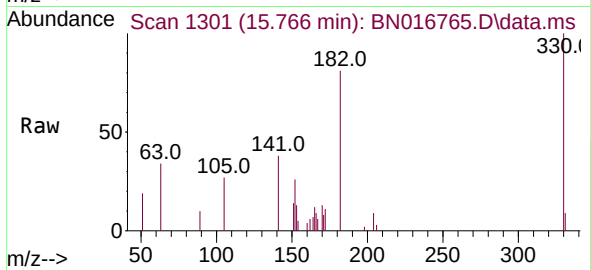
Tgt Ion:164 Resp: 64828
Ion Ratio Lower Upper
164 100
162 101.4 82.6 124.0
160 45.3 38.2 57.2



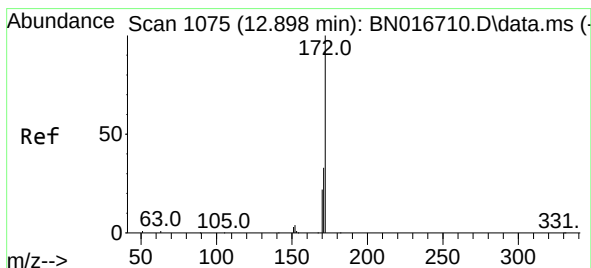
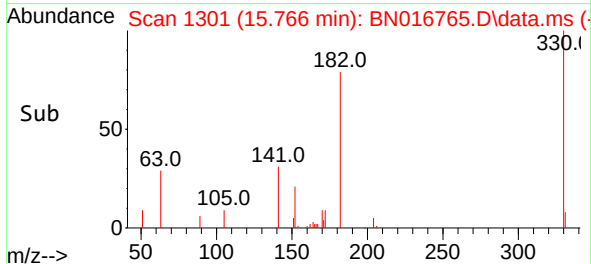
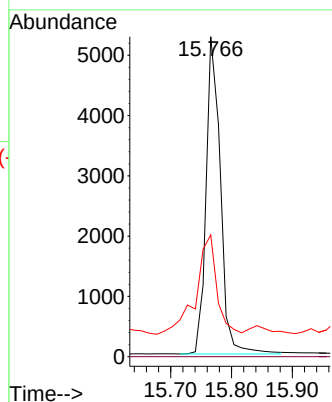


#14
 2,4,6-Tribromophenol
 Concen: 0.348 ng
 RT: 15.766 min Scan# 1301
 Delta R.T. -0.012 min
 Lab File: BN016765.D
 Acq: 06 Oct 2021 05:41

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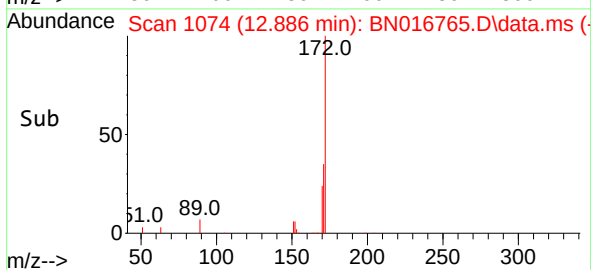
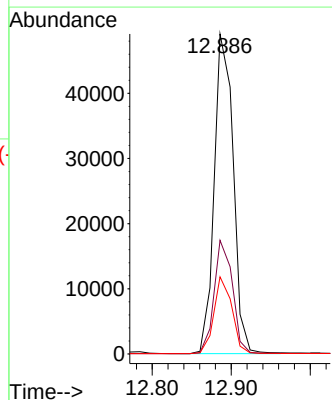
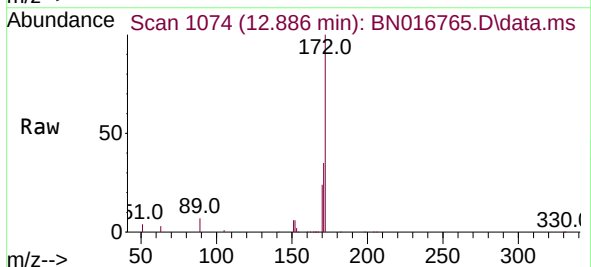


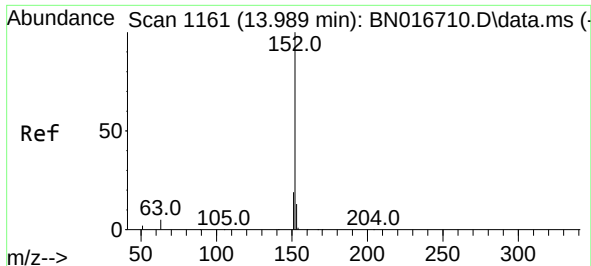
Tgt Ion: 330 Resp: 8648
 Ion Ratio Lower Upper
 330 100
 332 0.0 0.0 0.0
 141 42.2 24.2 36.2#



#15
 2-Fluorobiphenyl
 Concen: 0.315 ng
 RT: 12.886 min Scan# 1074
 Delta R.T. -0.012 min
 Lab File: BN016765.D
 Acq: 06 Oct 2021 05:41

Tgt Ion: 172 Resp: 81792
 Ion Ratio Lower Upper
 172 100
 171 35.5 26.9 40.3
 170 24.1 17.4 26.0

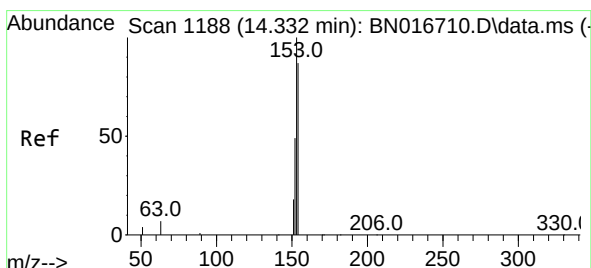
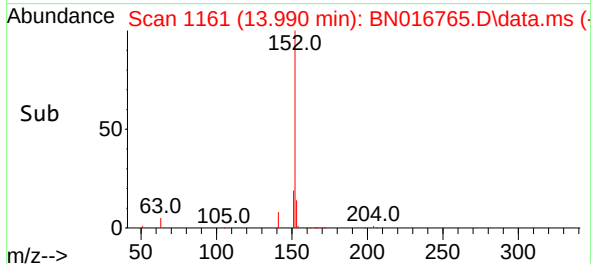
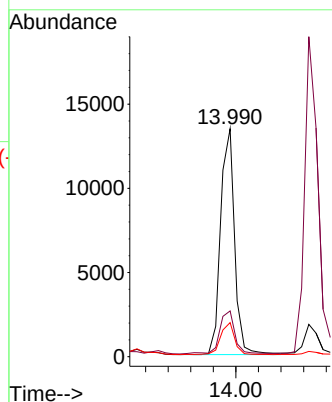
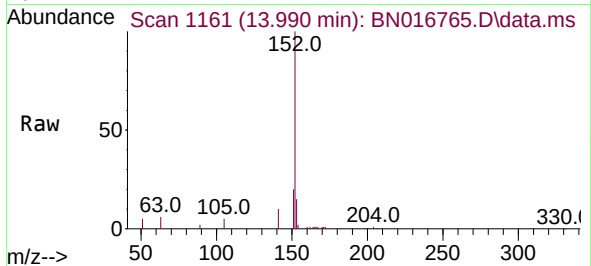




#16
Acenaphthylene
Concen: 0.081 ng
RT: 13.990 min Scan# 1161
Delta R.T. 0.001 min
Lab File: BN016765.D
Acq: 06 Oct 2021 05:41

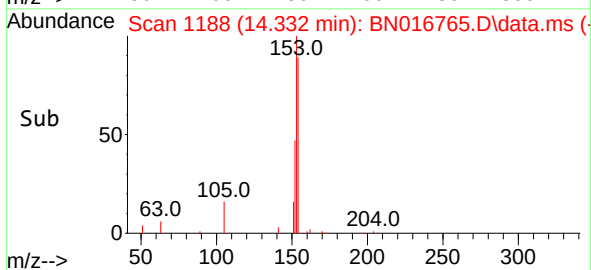
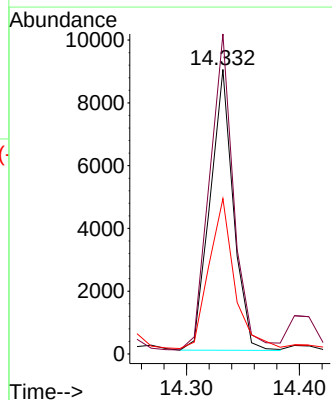
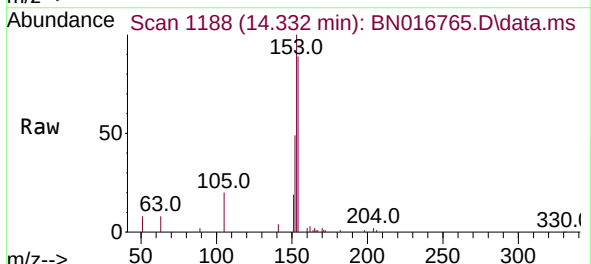
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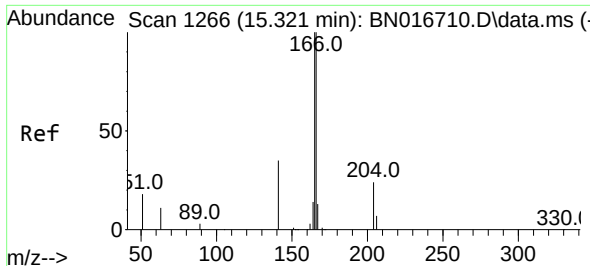
Tgt Ion:152 Resp: 23127
Ion Ratio Lower Upper
152 100
151 20.9 15.5 23.3
153 14.3 10.4 15.6



#17
Acenaphthene
Concen: 0.068 ng
RT: 14.332 min Scan# 1188
Delta R.T. 0.000 min
Lab File: BN016765.D
Acq: 06 Oct 2021 05:41

Tgt Ion:154 Resp: 12849
Ion Ratio Lower Upper
154 100
153 117.2 90.1 135.1
152 59.6 43.6 65.4

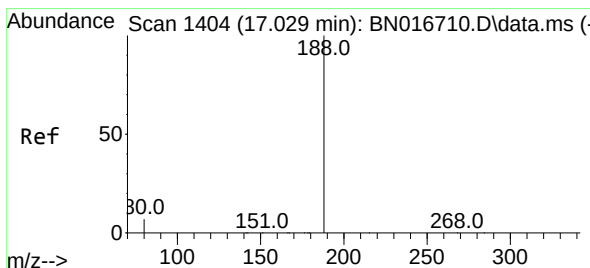
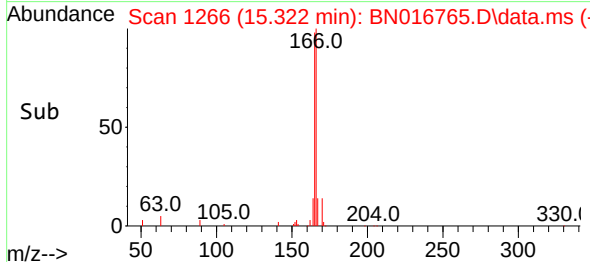
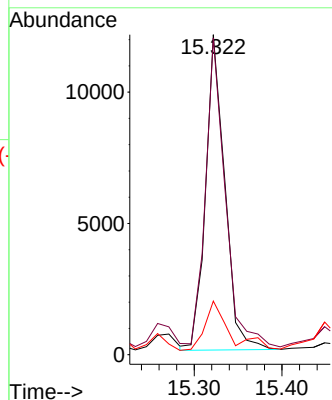
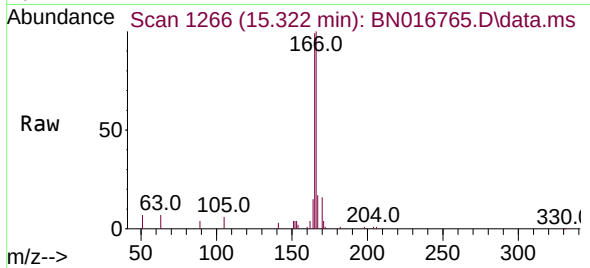




#18
Fluorene
Concen: 0.080 ng
RT: 15.322 min Scan# 1266
Delta R.T. 0.001 min
Lab File: BN016765.D
Acq: 06 Oct 2021 05:41

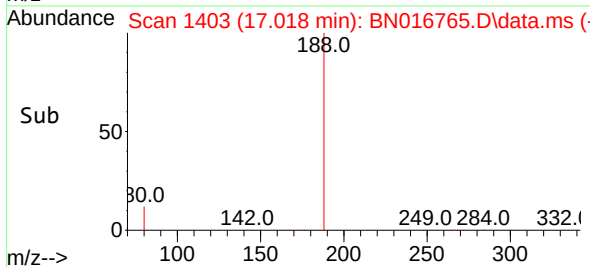
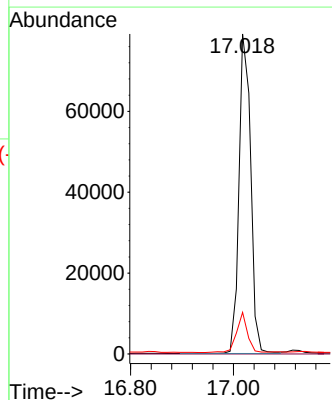
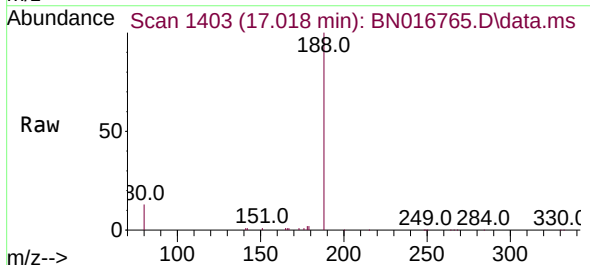
Instrument :
BNA_N
ClientSampleId :
S-831-J-SO-2-2.5-092721

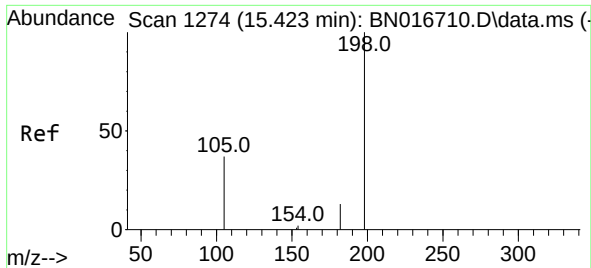
Tgt Ion:166 Resp: 18264
Ion Ratio Lower Upper
166 100
165 101.1 78.1 117.1
167 20.0 10.7 16.1#



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.018 min Scan# 1403
Delta R.T. -0.012 min
Lab File: BN016765.D
Acq: 06 Oct 2021 05:41

Tgt Ion:188 Resp: 125086
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 13.0 5.8 8.8#

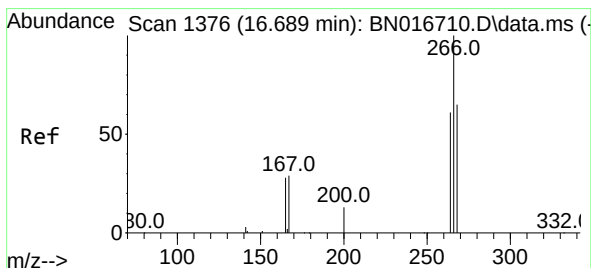
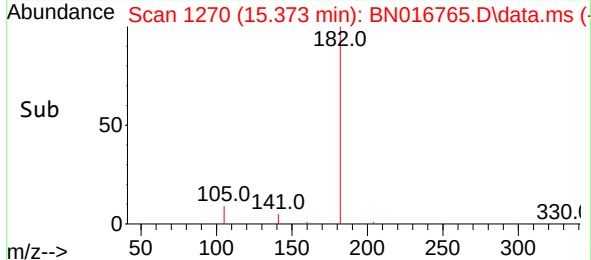
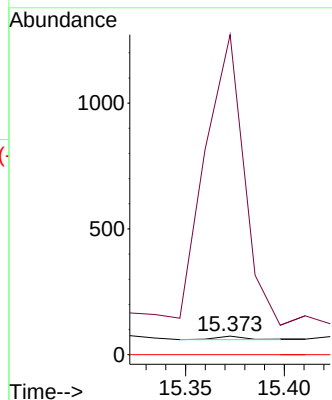
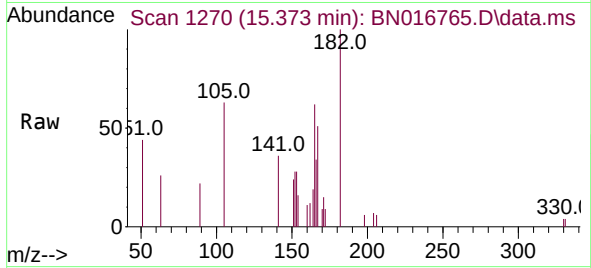




#20
4,6-Dinitro-2-methylphenol
Concen: 0.267 ng
RT: 15.373 min Scan# 1270
Delta R.T. -0.050 min
Lab File: BN016765.D
Acq: 06 Oct 2021 05:41

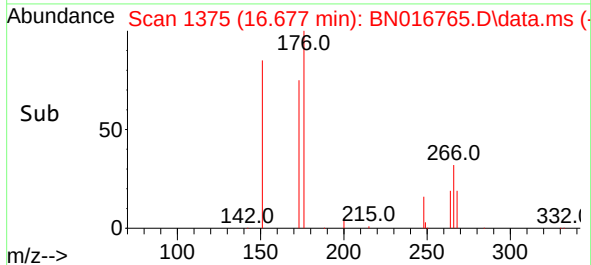
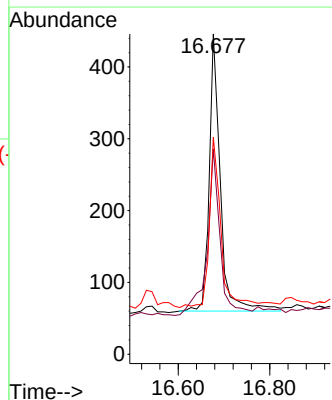
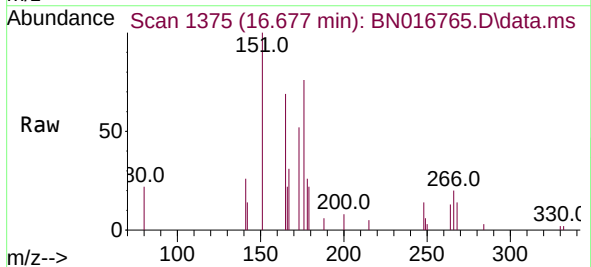
Instrument :
BNA_N
ClientSampleId :
S-831-J-SO-2-2.5-092721

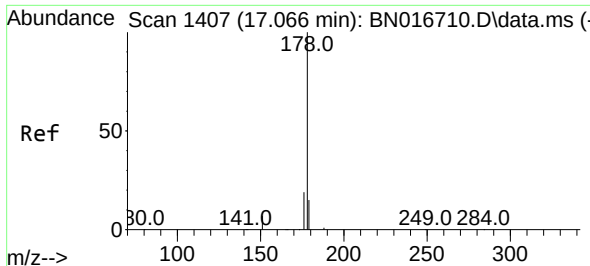
Tgt Ion:198 Resp: 14
Ion Ratio Lower Upper
198 100
182 1718.9 26.2 39.2#
77 0.0 0.0 0.0



#24
Pentachlorophenol
Concen: 0.354 ng
RT: 16.677 min Scan# 1375
Delta R.T. -0.012 min
Lab File: BN016765.D
Acq: 06 Oct 2021 05:41

Tgt Ion:266 Resp: 651
Ion Ratio Lower Upper
266 100
264 69.1 49.3 73.9
268 65.7 51.8 77.8

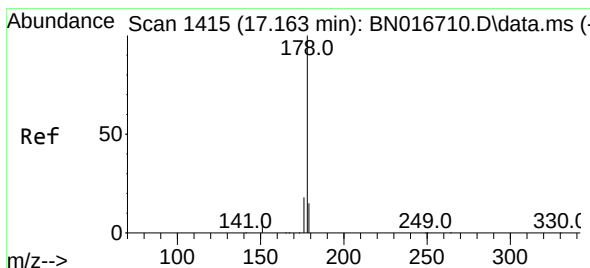
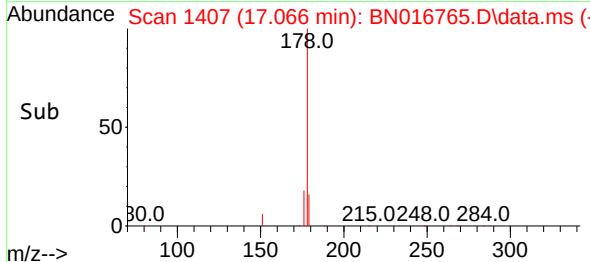
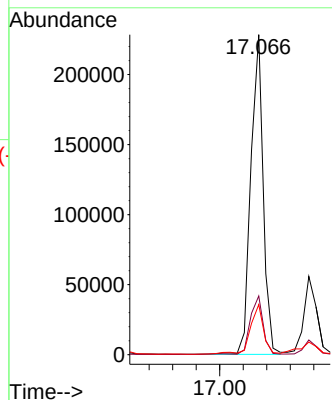
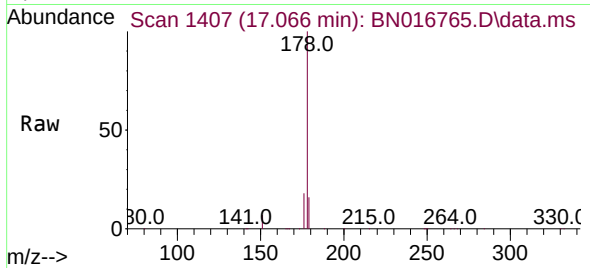




#25
Phenanthrene
Concen: 0.906 ng
RT: 17.066 min Scan# 1407
Delta R.T. 0.000 min
Lab File: BN016765.D
Acq: 06 Oct 2021 05:41

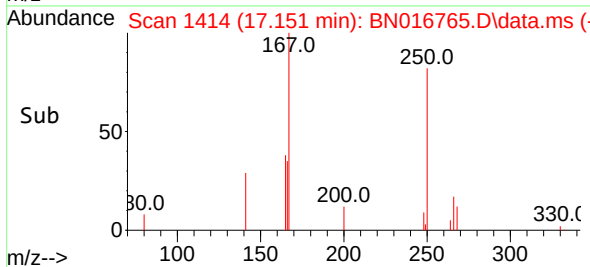
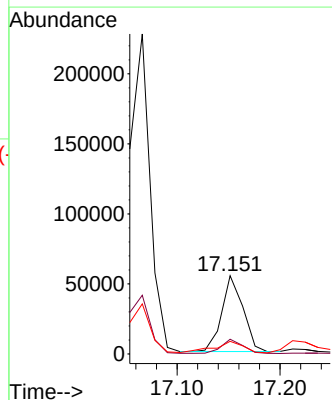
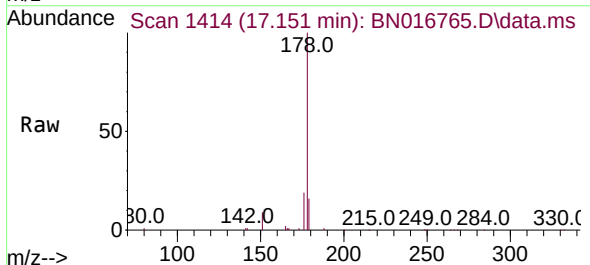
Instrument :
BNA_N
ClientSampleId :
S-831-J-SO-2-2.5-092721

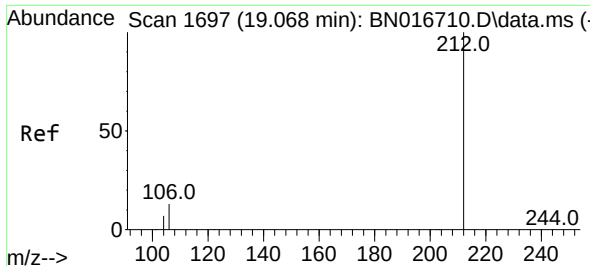
Tgt Ion:178 Resp: 333305
Ion Ratio Lower Upper
178 100
176 18.4 15.0 22.6
179 16.5 12.4 18.6



#26
Anthracene
Concen: 0.236 ng
RT: 17.151 min Scan# 1414
Delta R.T. -0.012 min
Lab File: BN016765.D
Acq: 06 Oct 2021 05:41

Tgt Ion:178 Resp: 77596
Ion Ratio Lower Upper
178 100
176 18.4 14.5 21.7
179 20.5 12.2 18.4#

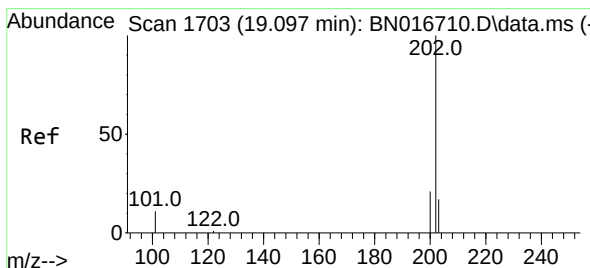
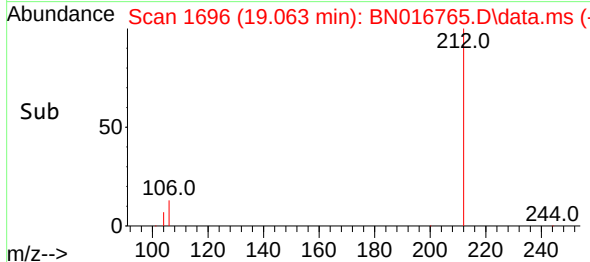
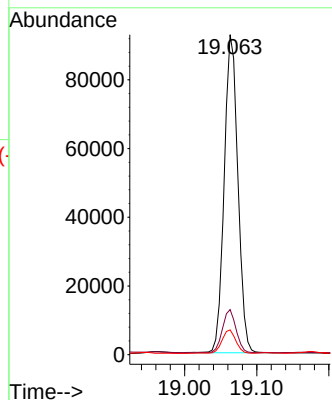
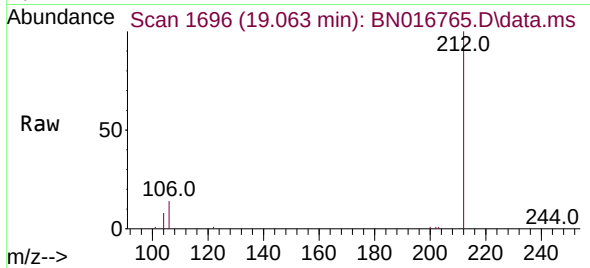




#27
Fluoranthene-d10
Concen: 0.357 ng
RT: 19.063 min Scan# 1696
Delta R.T. -0.005 min
Lab File: BN016765.D
Acq: 06 Oct 2021 05:41

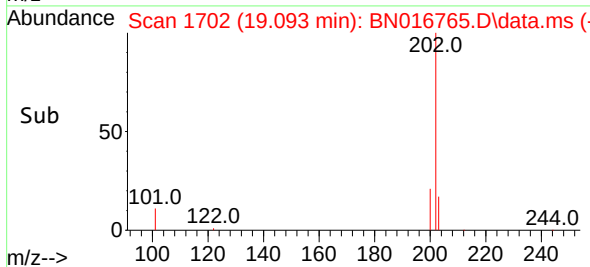
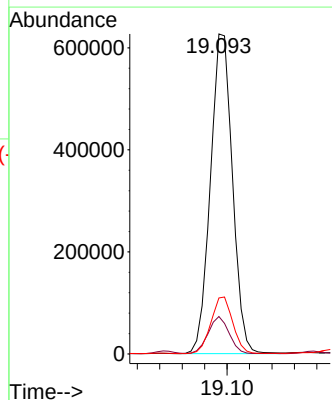
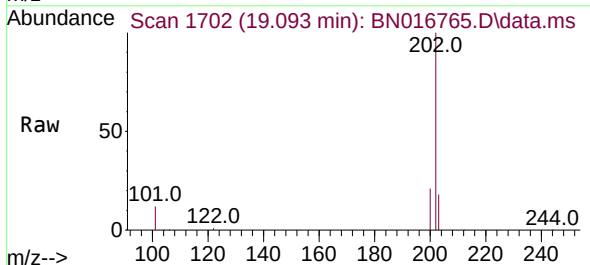
Instrument :
BNA_N
ClientSampleId :
S-831-J-SO-2-2.5-092721

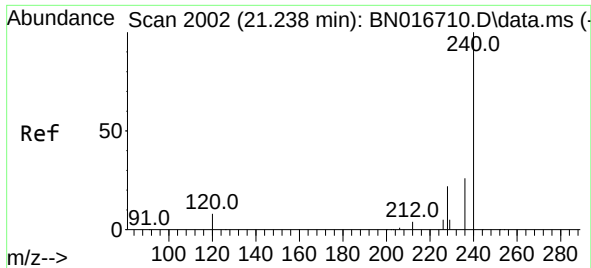
Tgt Ion:212 Resp: 122080
Ion Ratio Lower Upper
212 100
106 13.3 10.6 16.0
104 7.5 5.8 8.8



#28
Fluoranthene
Concen: 2.092 ng
RT: 19.093 min Scan# 1702
Delta R.T. -0.005 min
Lab File: BN016765.D
Acq: 06 Oct 2021 05:41

Tgt Ion:202 Resp: 853716
Ion Ratio Lower Upper
202 100
101 11.0 8.9 13.3
203 17.5 13.8 20.8

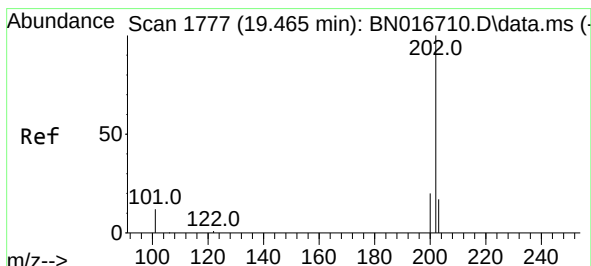
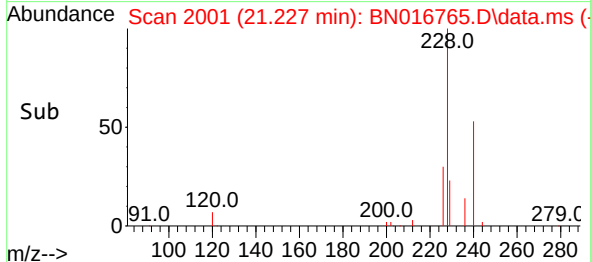
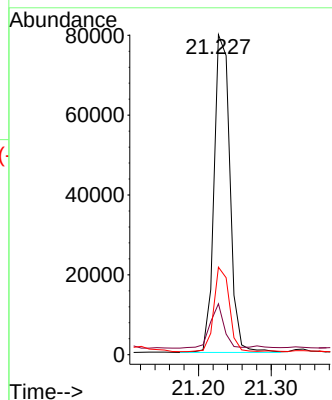
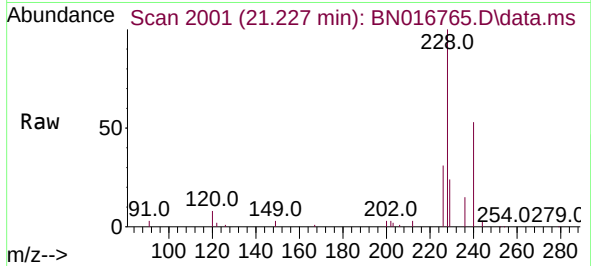




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.227 min Scan# 2001
Delta R.T. -0.010 min
Lab File: BN016765.D
Acq: 06 Oct 2021 05:41

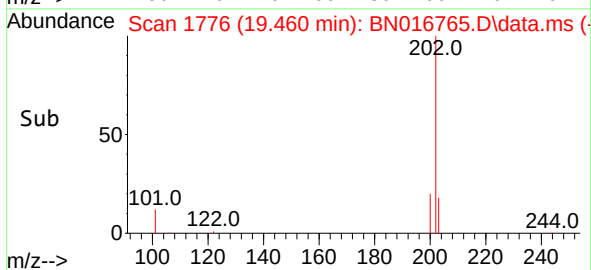
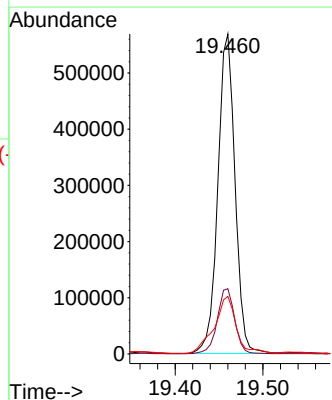
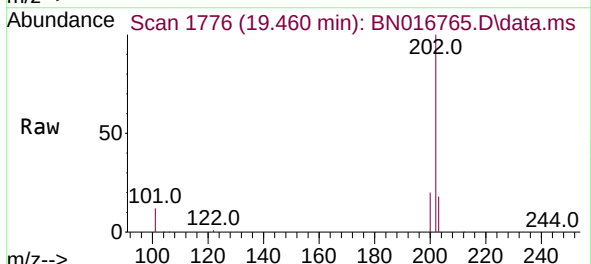
Instrument :
BNA_N
ClientSampleId :
S-831-J-SO-2-2.5-092721

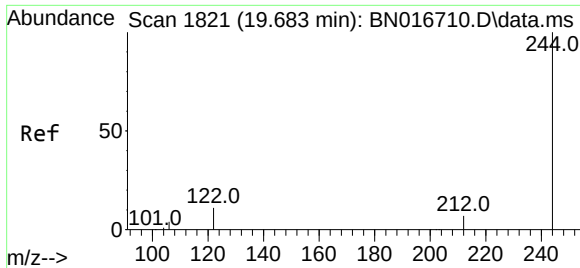
Tgt Ion:240 Resp: 120902
Ion Ratio Lower Upper
240 100
120 15.9 6.6 10.0#
236 27.4 20.7 31.1



#30
Pyrene
Concen: 1.944 ng
RT: 19.460 min Scan# 1776
Delta R.T. -0.005 min
Lab File: BN016765.D
Acq: 06 Oct 2021 05:41

Tgt Ion:202 Resp: 772973
Ion Ratio Lower Upper
202 100
200 20.7 16.5 24.7
203 22.6 13.9 20.9#

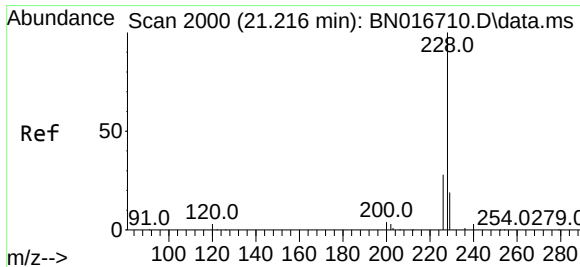
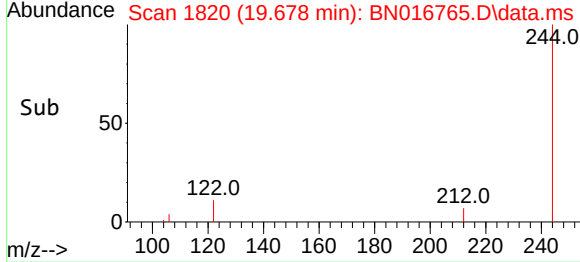
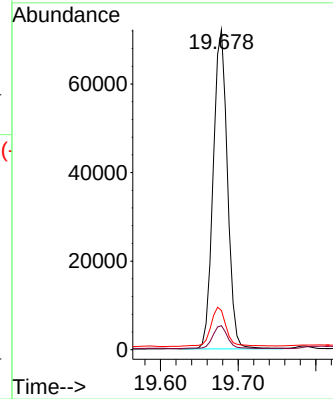
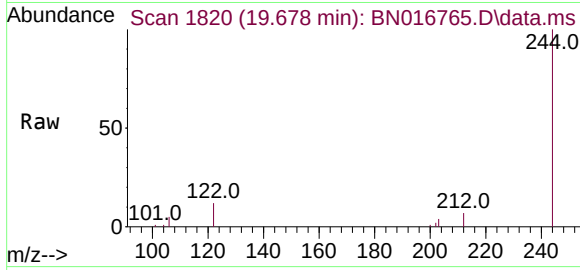




#31
Terphenyl-d14
Concen: 0.340 ng
RT: 19.678 min Scan# 1820
Delta R.T. -0.005 min
Lab File: BN016765.D
Acq: 06 Oct 2021 05:41

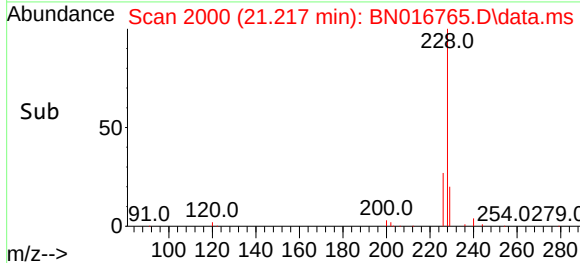
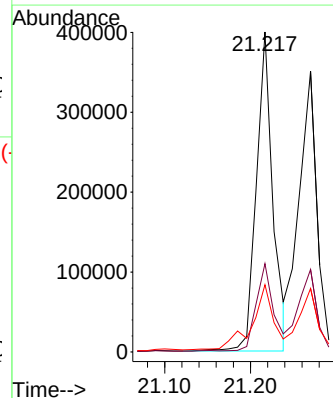
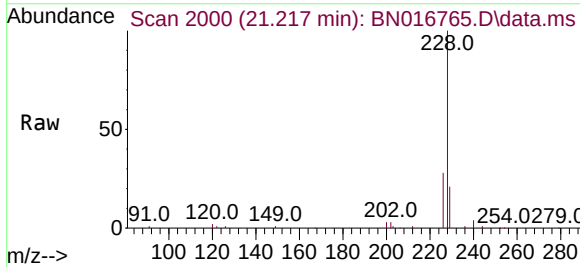
Instrument :
BNA_N
ClientSampleId :
S-831-J-SO-2-2.5-092721

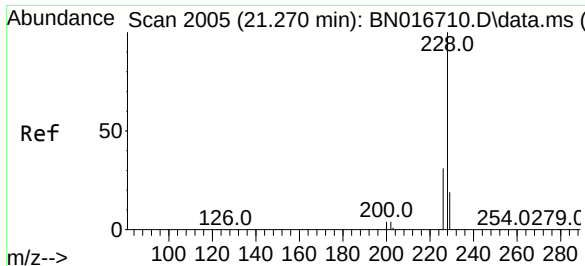
Tgt Ion:244 Resp: 91929
Ion Ratio Lower Upper
244 100
212 7.5 5.8 8.6
122 12.3 8.9 13.3



#32
Benzo(a)anthracene
Concen: 1.425 ng
RT: 21.217 min Scan# 2000
Delta R.T. 0.000 min
Lab File: BN016765.D
Acq: 06 Oct 2021 05:41

Tgt Ion:228 Resp: 534494
Ion Ratio Lower Upper
228 100
226 27.6 22.3 33.5
229 21.0 15.4 23.0

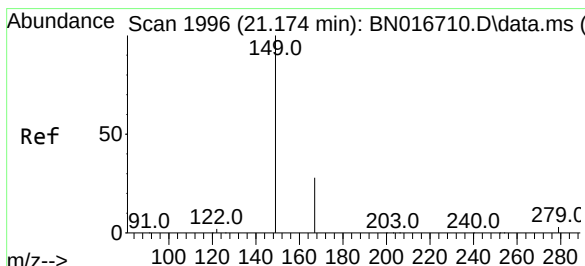
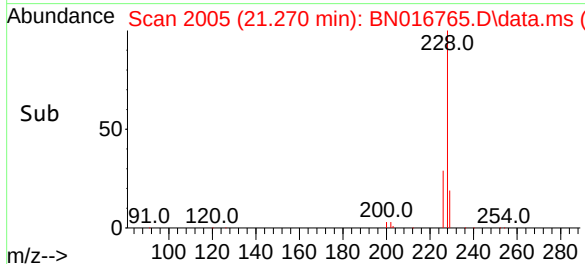
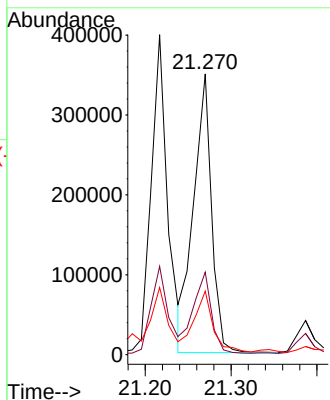
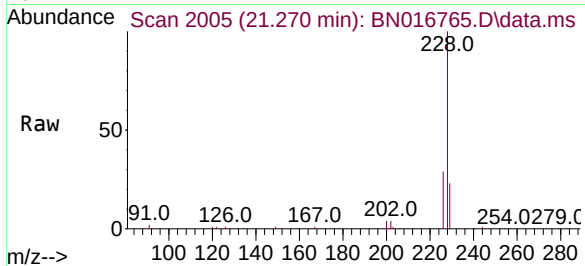




#33
Chrysene
Concen: 1.337 ng
RT: 21.270 min Scan# 2005
Delta R.T. 0.000 min
Lab File: BN016765.D
Acq: 06 Oct 2021 05:41

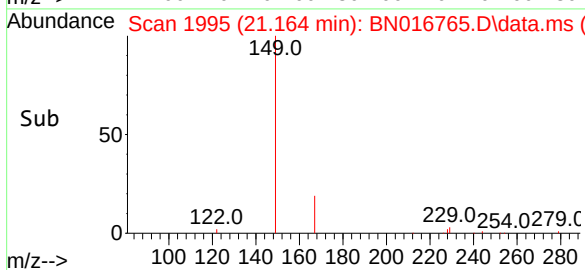
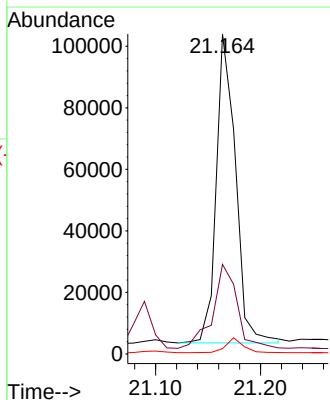
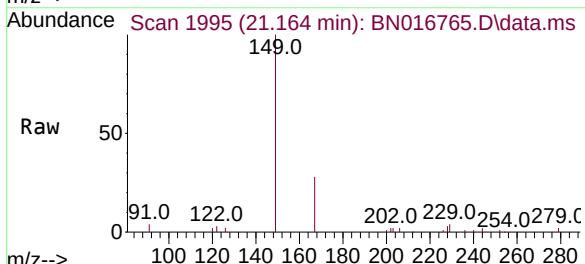
Instrument :
BNA_N
ClientSampleId :
S-831-J-SO-2-2.5-092721

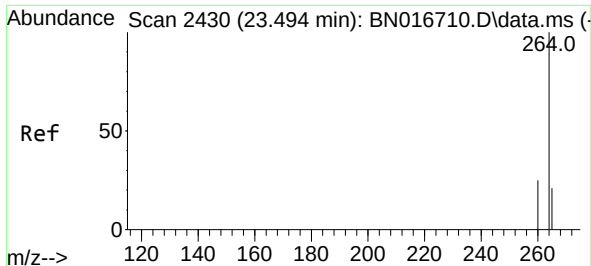
Tgt Ion:228 Resp: 508520
Ion Ratio Lower Upper
228 100
226 29.4 24.2 36.4
229 22.6 15.4 23.0



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.563 ng
RT: 21.164 min Scan# 1995
Delta R.T. -0.010 min
Lab File: BN016765.D
Acq: 06 Oct 2021 05:41

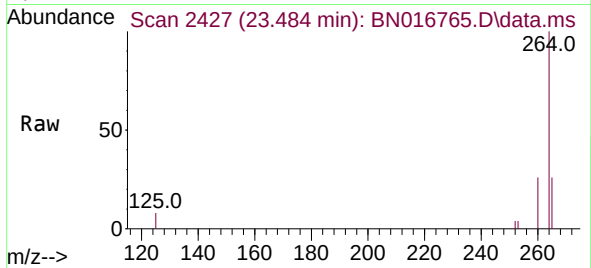
Tgt Ion:149 Resp: 127944
Ion Ratio Lower Upper
149 100
167 34.4 22.2 33.4#
279 4.3 3.4 5.2



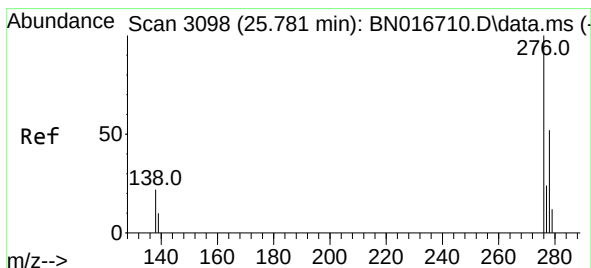
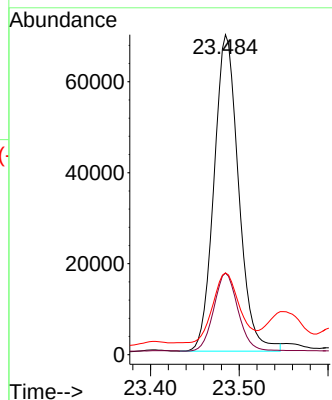
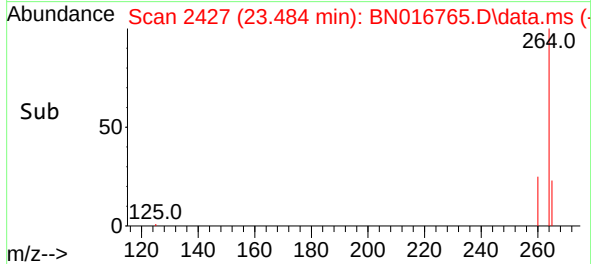


#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.484 min Scan# 2427
 Delta R.T. -0.010 min
 Lab File: BN016765.D
 Acq: 06 Oct 2021 05:41

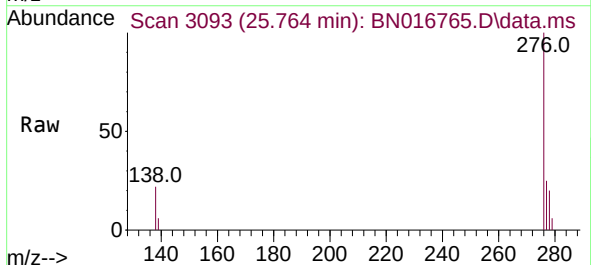
Instrument :
 BNA_N
 ClientSampleId :
 S-831-J-SO-2-2.5-092721



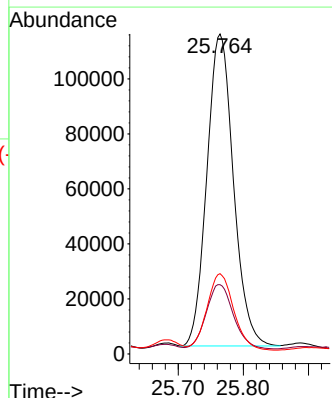
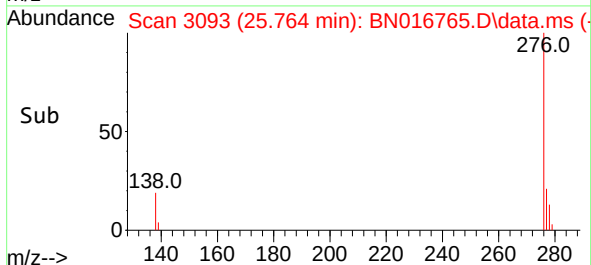
Tgt Ion:264 Resp: 133812
 Ion Ratio Lower Upper
 264 100
 260 25.5 19.8 29.6
 265 25.6 20.3 30.5

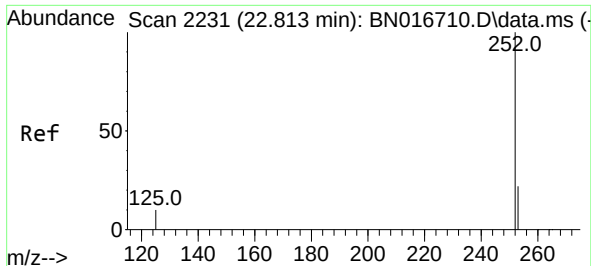


#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.757 ng
 RT: 25.764 min Scan# 3093
 Delta R.T. -0.017 min
 Lab File: BN016765.D
 Acq: 06 Oct 2021 05:41



Tgt Ion:276 Resp: 321398
 Ion Ratio Lower Upper
 276 100
 138 21.2 19.2 28.8
 277 24.7 20.0 30.0

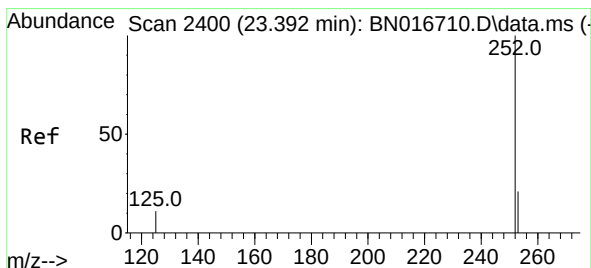
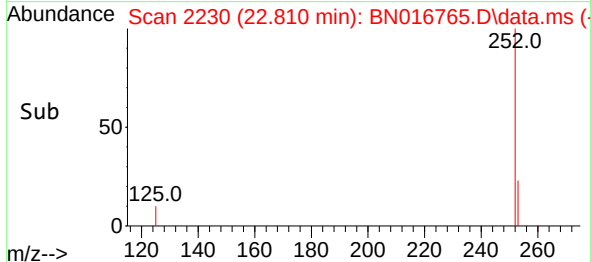
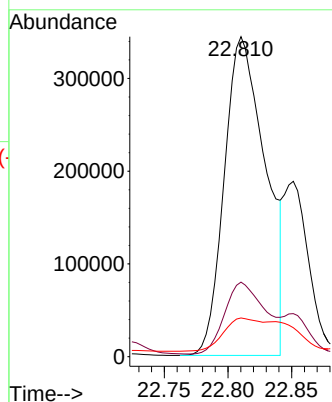
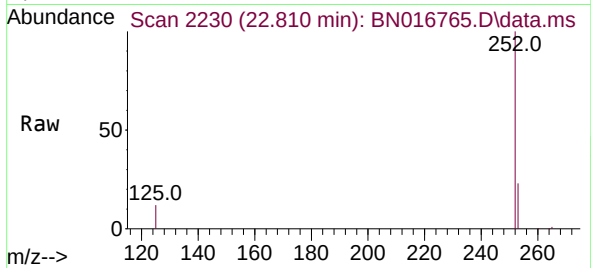




#37
Benzo(b)fluoranthene
Concen: 1.793 ng
RT: 22.810 min Scan# 2230
Delta R.T. -0.003 min
Lab File: BN016765.D
Acq: 06 Oct 2021 05:41

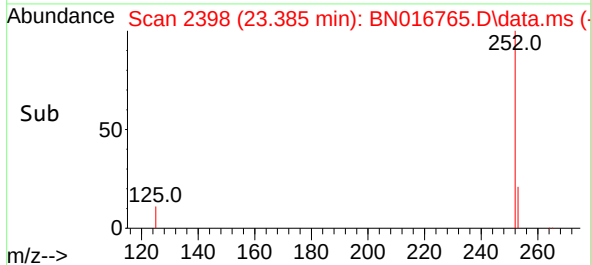
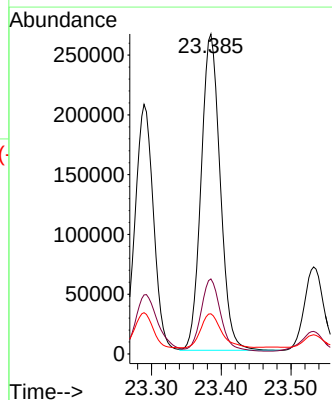
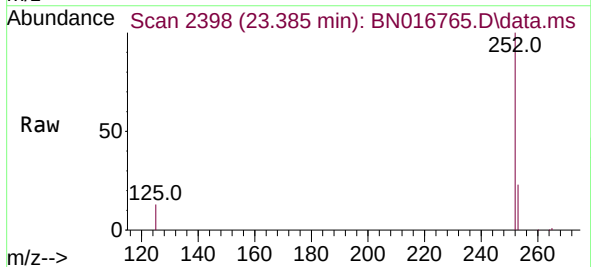
Instrument :
BNA_N
ClientSampleId :
S-831-J-SO-2-2.5-092721

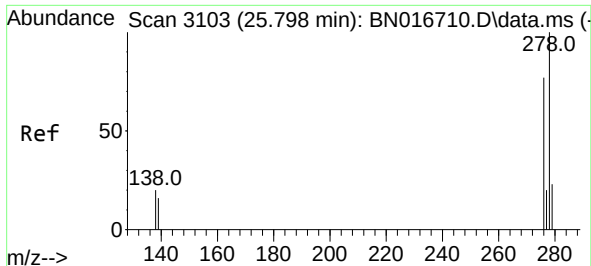
Tgt Ion:252 Resp: 775970
Ion Ratio Lower Upper
252 100
253 23.3 17.8 26.8
125 12.1 8.3 12.5



#39
Benzo(a)pyrene
Concen: 1.297 ng
RT: 23.385 min Scan# 2398
Delta R.T. -0.007 min
Lab File: BN016765.D
Acq: 06 Oct 2021 05:41

Tgt Ion:252 Resp: 502208
Ion Ratio Lower Upper
252 100
253 23.4 17.9 26.9
125 12.6 9.4 14.2

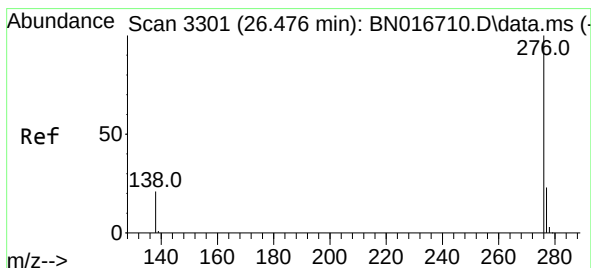
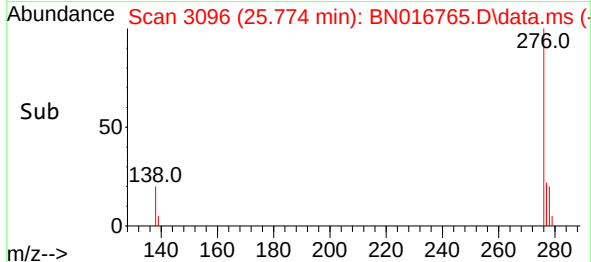
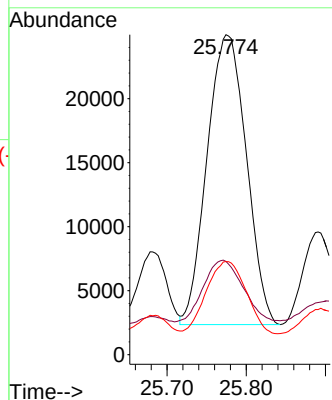
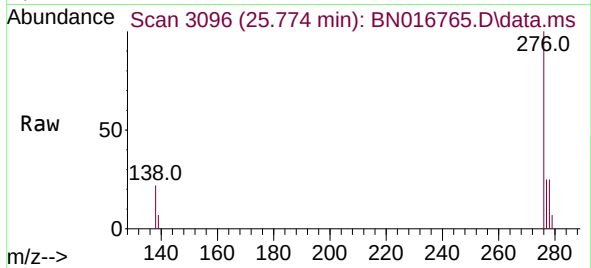




#40
Dibenzo(a,h)anthracene
Concen: 0.232 ng
RT: 25.774 min Scan# 3096
Delta R.T. -0.024 min
Lab File: BN016765.D
Acq: 06 Oct 2021 05:41

Instrument :
BNA_N
ClientSampleId :
S-831-J-SO-2-2.5-092721

Tgt Ion:278 Resp: 78074
Ion Ratio Lower Upper
278 100
139 29.2 13.1 19.7#
279 29.1 19.3 28.9#



#41
Benzo(g,h,i)perylene
Concen: 0.825 ng
RT: 26.462 min Scan# 3297
Delta R.T. -0.013 min
Lab File: BN016765.D
Acq: 06 Oct 2021 05:41

Tgt Ion:276 Resp: 310945
Ion Ratio Lower Upper
276 100
277 24.4 19.0 28.4
138 22.3 17.0 25.6

