

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100121\
 Data File : BN016701.D
 Acq On : 03 Oct 2021 10:36
 Operator : CG/JU
 Sample : M3892-19
 Misc :
 ALS Vial : 69 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-832-J-SO-2-2.5-092221-FD

Quant Time: Oct 04 03:38:13 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN100121.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 01 13:35:26 2021
 Response via : Initial Calibration

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

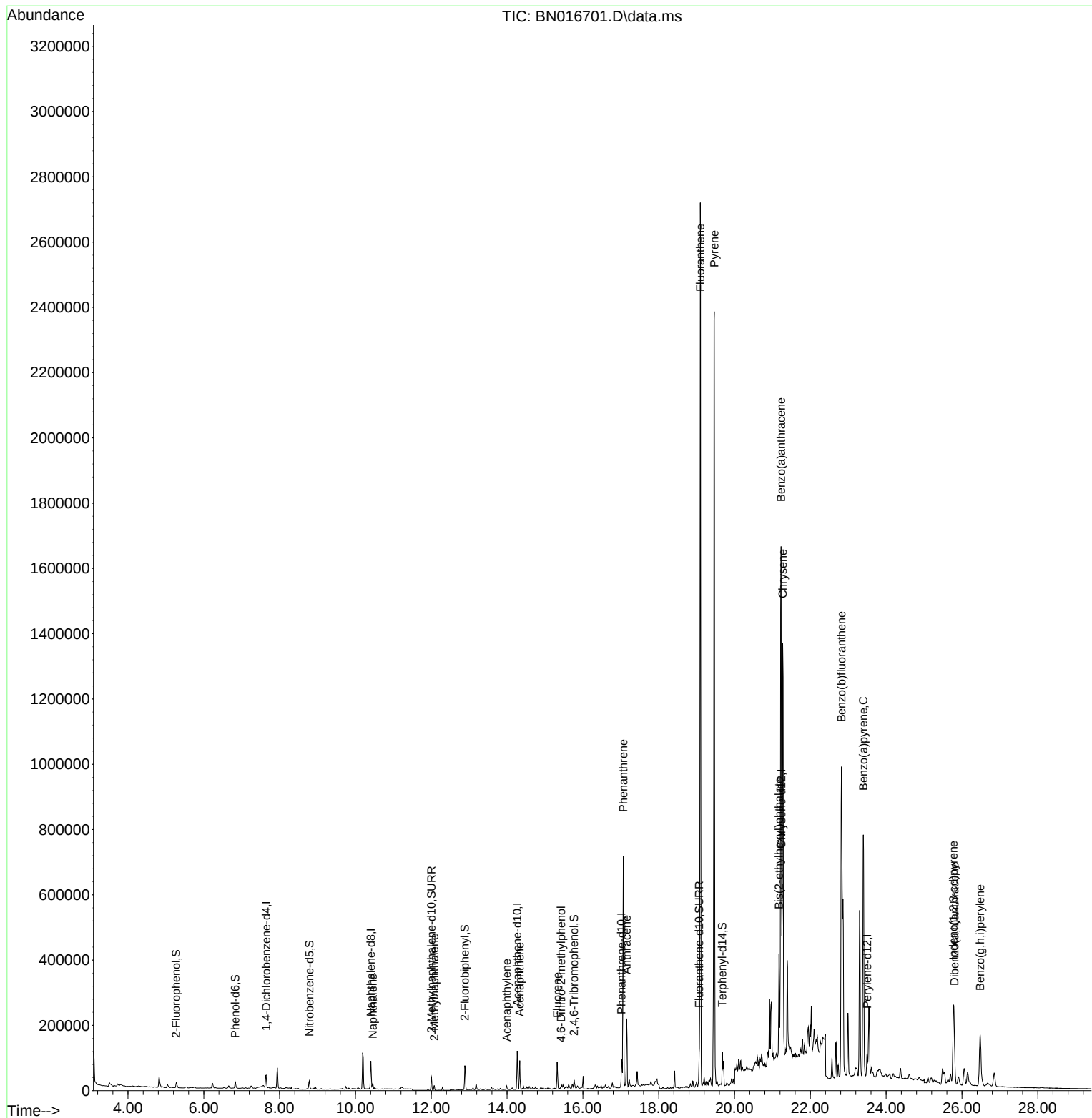
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.642	152	23884	0.400	ng	0.00
7) Naphthalene-d8	10.407	136	111693	0.400	ng	0.00
13) Acenaphthene-d10	14.269	164	63946	0.400	ng	0.00
19) Phenanthrene-d10	17.018	188	128468	0.400	ng	#-0.01
29) Chrysene-d12	21.238	240	121998	0.400	ng	# 0.00
35) Perylene-d12	23.498	264	90107	0.400	ng	# 0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.273	112	19109	0.314	ng	0.02
5) Phenol-d6	6.831	99	20211	0.304	ng	0.00
8) Nitrobenzene-d5	8.784	82	23413	0.322	ng	0.00
11) 2-Methylnaphthalene-d10	12.003	152	52381	0.317	ng	0.00
14) 2,4,6-Tribromophenol	15.766	330	11498	0.395	ng	0.00
15) 2-Fluorobiphenyl	12.886	172	67082	0.259	ng	-0.01
27) Fluoranthene-d10	19.068	212	109973	0.322	ng	0.00
31) Terphenyl-d14	19.678	244	99642	0.376	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.457	128	23119	0.076	ng	98
12) 2-Methylnaphthalene	12.078	142	10371	0.054	ng	98
16) Acenaphthylene	13.990	152	11053	0.040	ng	# 93
17) Acenaphthene	14.332	154	40806	0.217	ng	99
18) Fluorene	15.322	166	51001	0.229	ng	97
20) 4,6-Dinitro-2-methylph...	15.423	198	70	0.141	ng	# 1
25) Phenanthrene	17.066	178	700002	1.811	ng	99
26) Anthracene	17.151	178	218965	0.656	ng	97
28) Fluoranthene	19.098	202	2461607	5.898	ng	99
30) Pyrene	19.465	202	2232935	5.657	ng	# 92
32) Benzo(a)anthracene	21.227	228	1569733	4.192	ng	97
33) Chrysene	21.270	228	1250449	3.298	ng	96
34) Bis(2-ethylhexyl)phtha...	21.174	149	253953	1.701	ng	99
36) Indeno(1,2,3-cd)pyrene	25.778	276	394616	1.227	ng	97
37) Benzo(b)fluoranthene	22.820	252	1573782	5.435	ng	# 96
39) Benzo(a)pyrene	23.399	252	1058768	4.105	ng	# 96
40) Dibenzo(a,h)anthracene	25.798	278	106863	0.412	ng	# 74
41) Benzo(g,h,i)perylene	26.479	276	328103	1.154	ng	96

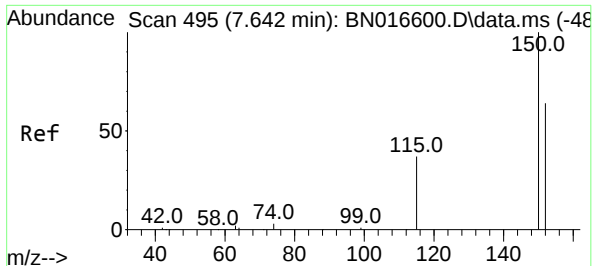
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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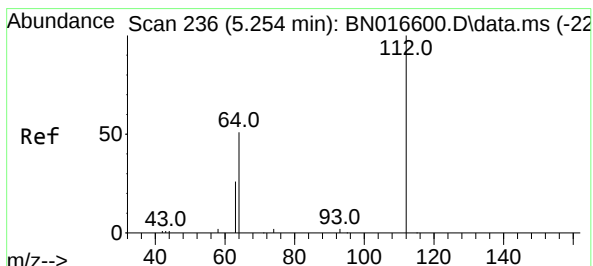
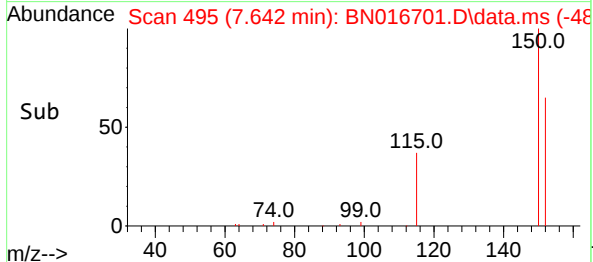
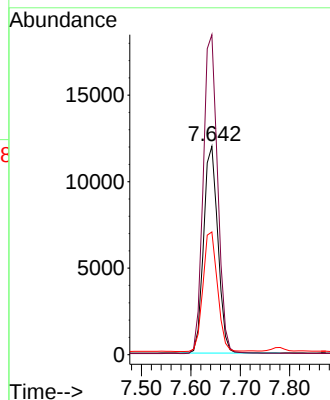
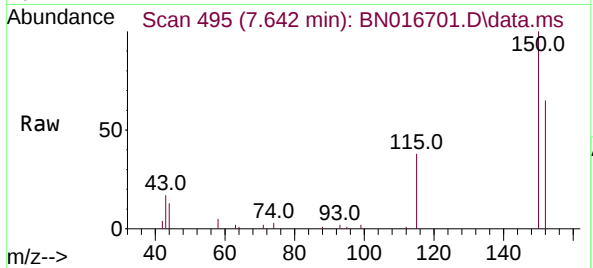




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.642 min Scan# 495
Delta R.T. 0.000 min
Lab File: BN016701.D
Acq: 03 Oct 2021 10:36

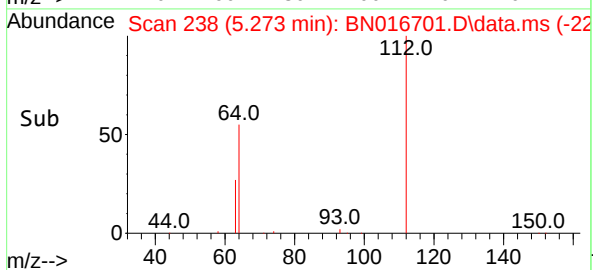
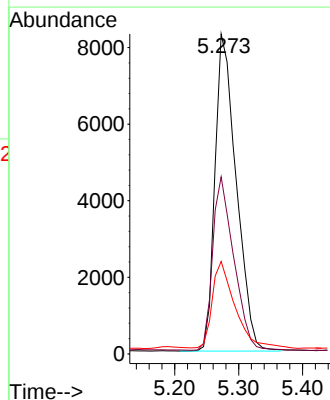
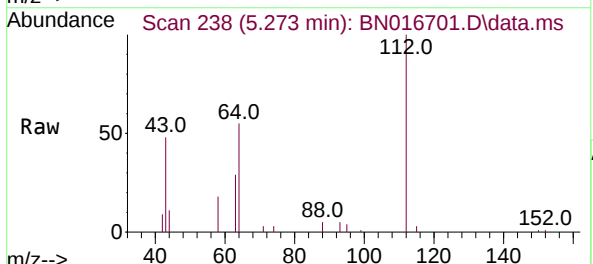
Instrument :
BNA_N
ClientSampleId :
S-832-J-SO-2-2.5-092221-FD

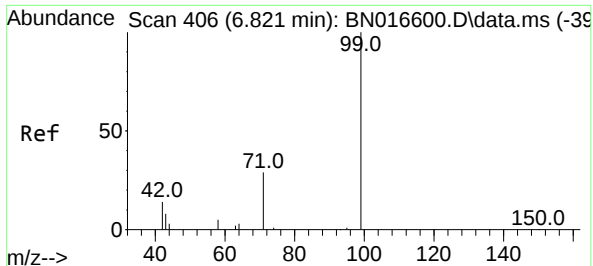
Tgt Ion:152 Resp: 23884
Ion Ratio Lower Upper
152 100
150 153.6 124.6 186.8
115 58.9 46.5 69.7



#4
2-Fluorophenol
Concen: 0.314 ng
RT: 5.273 min Scan# 238
Delta R.T. 0.019 min
Lab File: BN016701.D
Acq: 03 Oct 2021 10:36

Tgt Ion:112 Resp: 19109
Ion Ratio Lower Upper
112 100
64 54.3 43.1 64.7
63 28.8 21.6 32.4

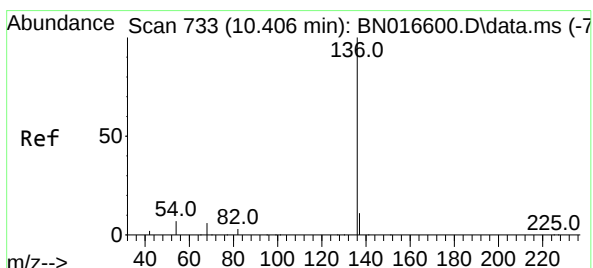
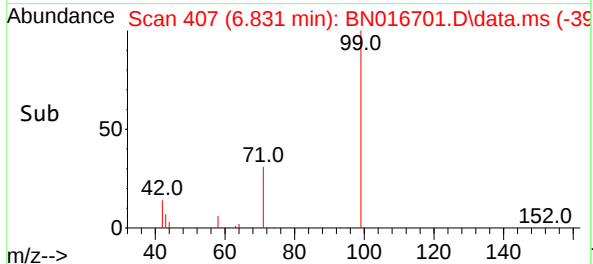
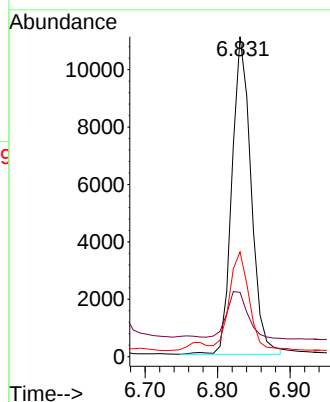
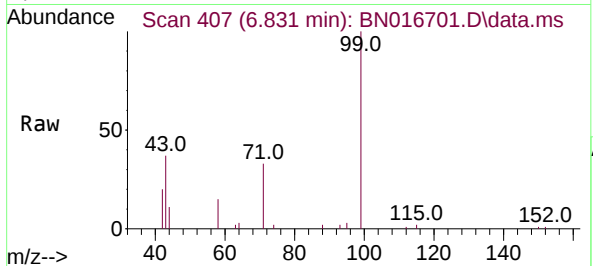




#5
Phenol-d6
Concen: 0.304 ng
RT: 6.831 min Scan# 407
Delta R.T. 0.010 min
Lab File: BN016701.D
Acq: 03 Oct 2021 10:36

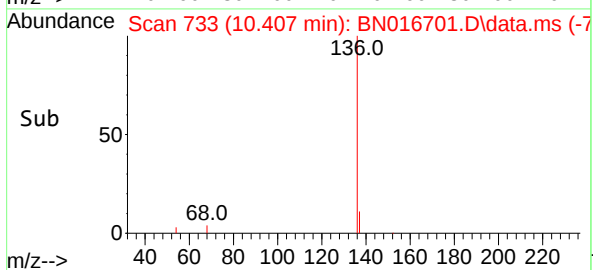
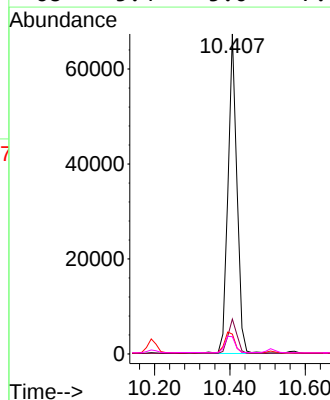
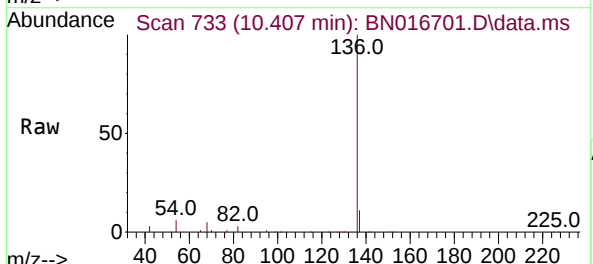
Instrument :
BNA_N
ClientSampleId :
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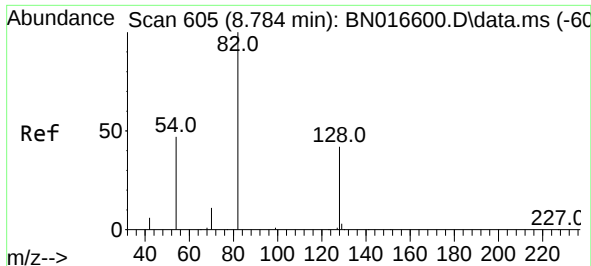
Tgt Ion: 99	Resp: 20211
Ion Ratio	Lower Upper
99 100	
42 16.2	13.0 19.6
71 30.6	23.5 35.3



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.407 min Scan# 733
Delta R.T. 0.000 min
Lab File: BN016701.D
Acq: 03 Oct 2021 10:36

Tgt Ion: 136	Resp: 111693
Ion Ratio	Lower Upper
136 100	
137 10.9	8.7 13.1
54 6.2	5.9 8.9
68 5.4	5.0 7.6

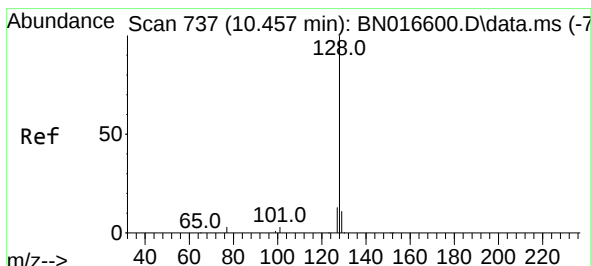
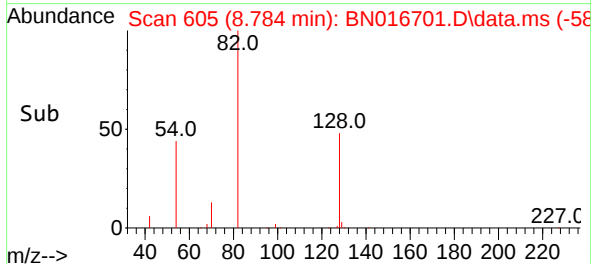
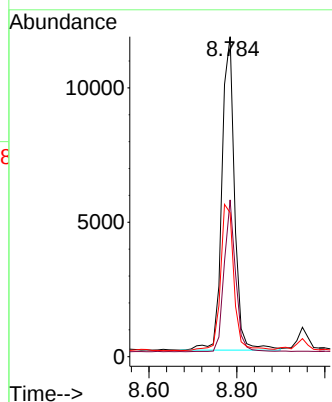
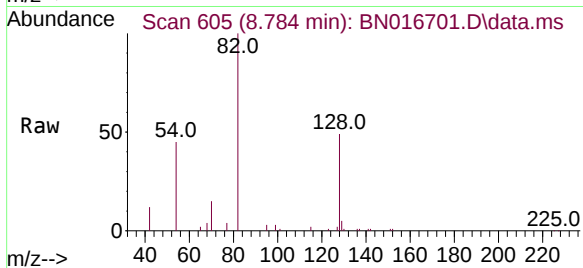




#8
Nitrobenzene-d5
Concen: 0.322 ng
RT: 8.784 min Scan# 605
Delta R.T. 0.000 min
Lab File: BN016701.D
Acq: 03 Oct 2021 10:36

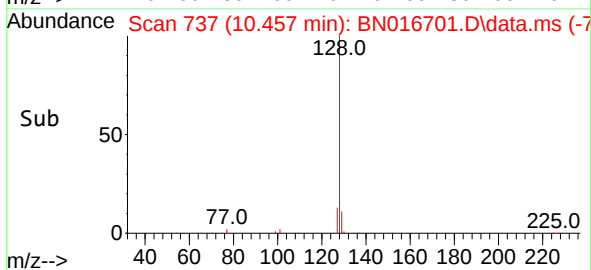
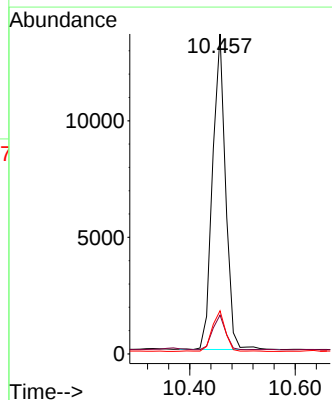
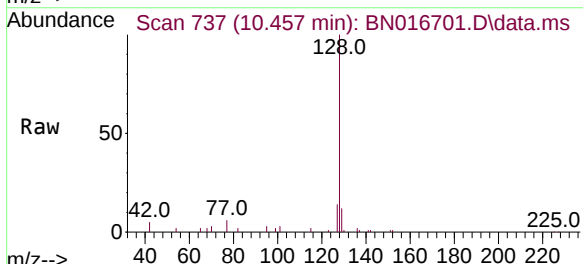
Instrument :
BNA_N
ClientSampleId :
S-832-J-SO-2-2.5-092221-FD

Tgt Ion	Ratio	Lower	Upper
82	100		
128	49.0	33.6	50.4
54	45.0	37.6	56.4



#9
Naphthalene
Concen: 0.076 ng
RT: 10.457 min Scan# 737
Delta R.T. 0.000 min
Lab File: BN016701.D
Acq: 03 Oct 2021 10:36

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.1	8.8	13.2
127	13.5	10.3	15.5

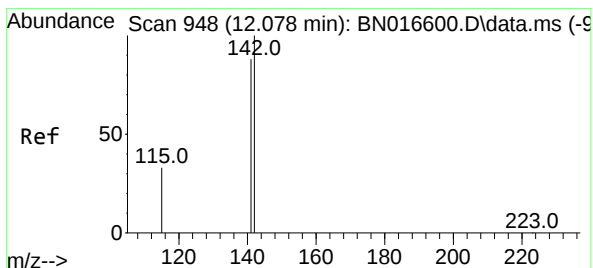
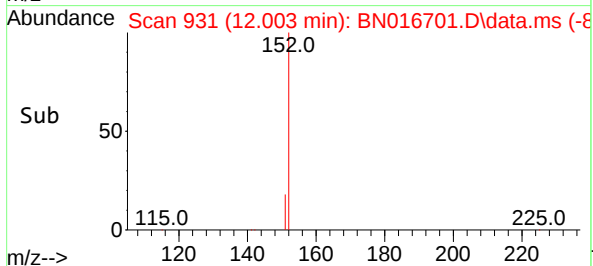
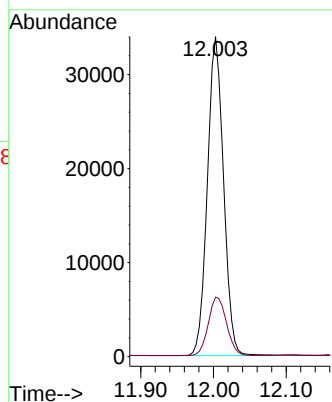
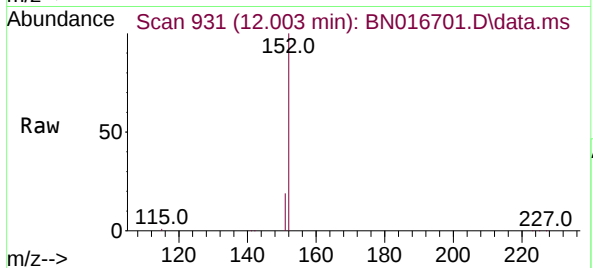




#11
2-Methylnaphthalene-d10
Concen: 0.317 ng
RT: 12.003 min Scan# 931
Delta R.T. -0.004 min
Lab File: BN016701.D
Acq: 03 Oct 2021 10:36

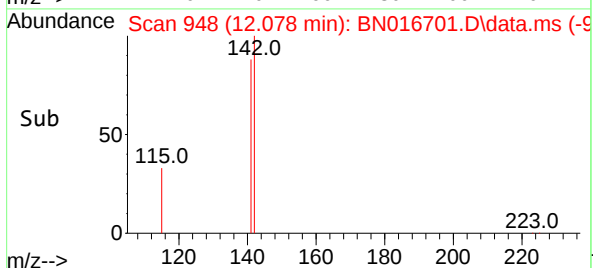
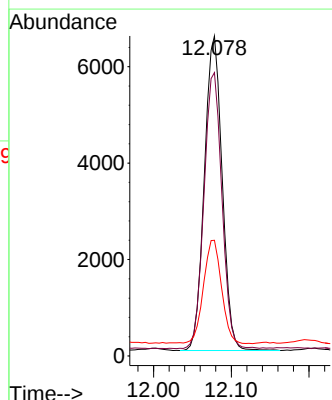
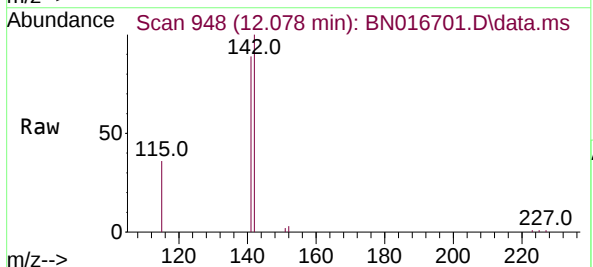
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BNA_N
ClientSampleId :
S-832-J-SO-2-2.5-092221-FD

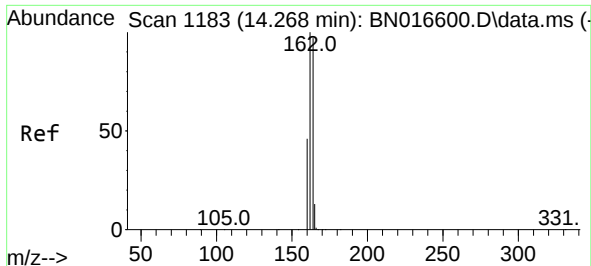
Tgt Ion:152 Resp: 52381
Ion Ratio Lower Upper
152 100
151 20.7 16.2 24.4



#12
2-Methylnaphthalene
Concen: 0.054 ng
RT: 12.078 min Scan# 948
Delta R.T. 0.000 min
Lab File: BN016701.D
Acq: 03 Oct 2021 10:36

Tgt Ion:142 Resp: 10371
Ion Ratio Lower Upper
142 100
141 88.6 70.6 105.8
115 36.2 26.6 39.8

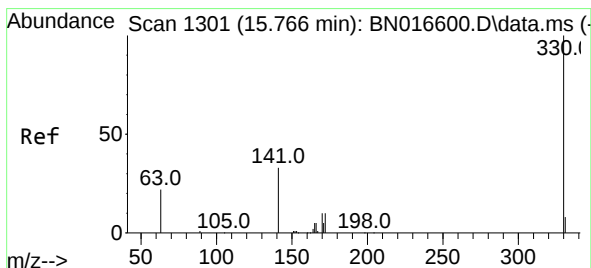
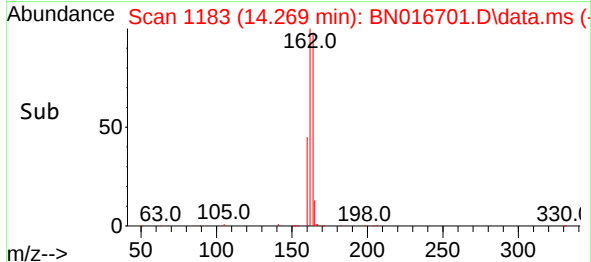
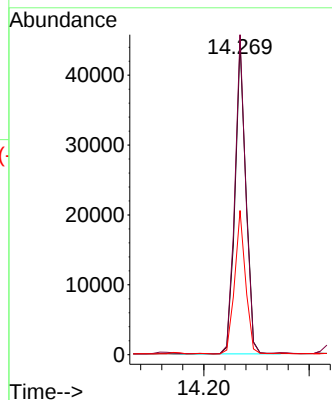
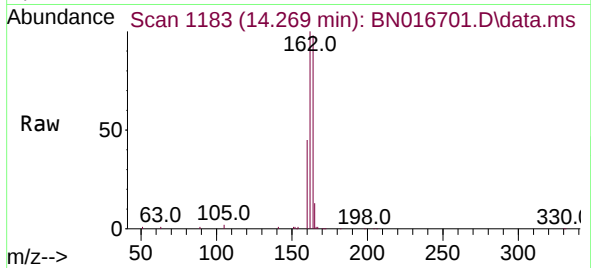




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.269 min Scan# 1183
Delta R.T. 0.000 min
Lab File: BN016701.D
Acq: 03 Oct 2021 10:36

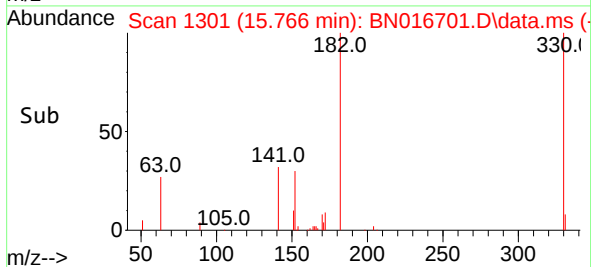
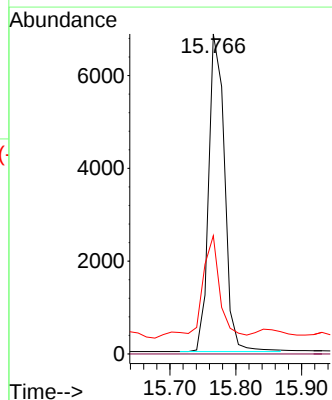
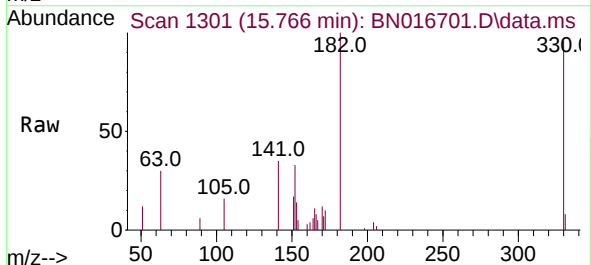
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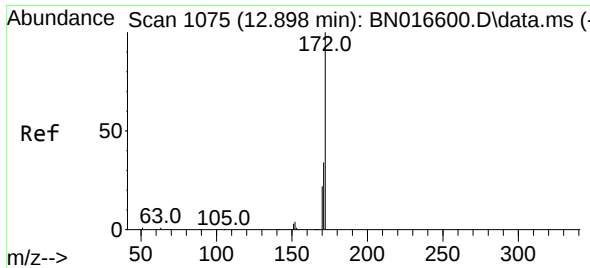
Tgt Ion:164 Resp: 63946
Ion Ratio Lower Upper
164 100
162 102.5 82.2 123.2
160 46.2 37.7 56.5



#14
2,4,6-Tribromophenol
Concen: 0.395 ng
RT: 15.766 min Scan# 1301
Delta R.T. 0.000 min
Lab File: BN016701.D
Acq: 03 Oct 2021 10:36

Tgt Ion:330 Resp: 11498
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 31.6 25.2 37.8

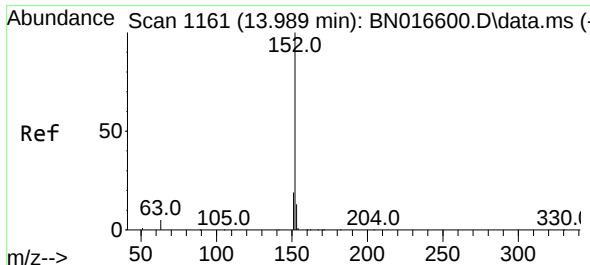
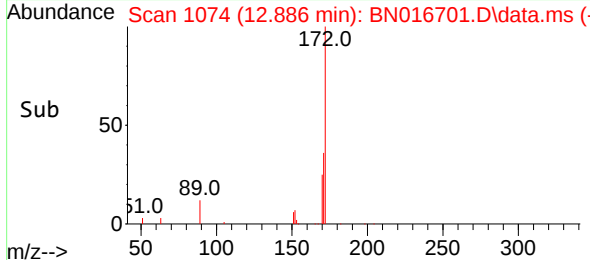
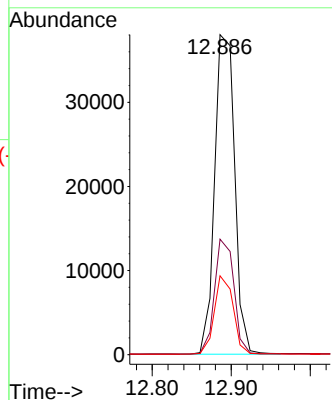
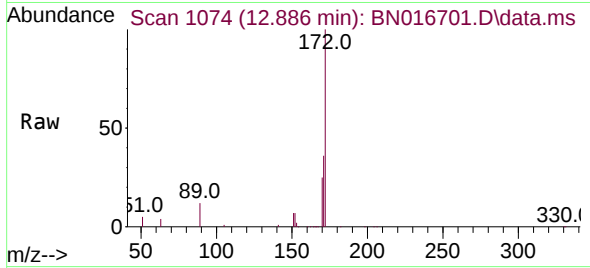




#15
2-Fluorobiphenyl
Concen: 0.259 ng
RT: 12.886 min Scan# 1074
Delta R.T. -0.012 min
Lab File: BN016701.D
Acq: 03 Oct 2021 10:36

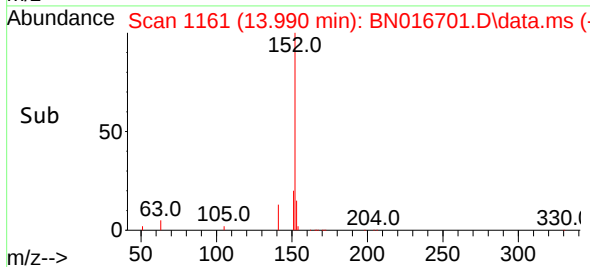
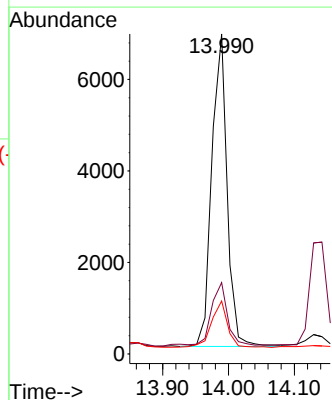
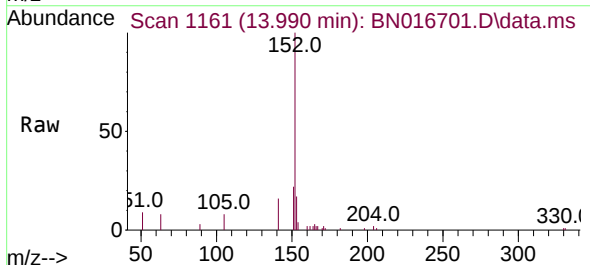
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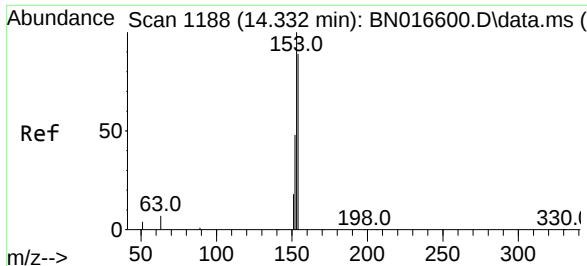
Tgt Ion:	172	Resp:	67082
Ion Ratio	Lower	Upper	
172	100		
171	36.1	27.0	40.4
170	24.7	17.4	26.2



#16
Acenaphthylene
Concen: 0.040 ng
RT: 13.990 min Scan# 1161
Delta R.T. 0.000 min
Lab File: BN016701.D
Acq: 03 Oct 2021 10:36

Tgt Ion:	152	Resp:	11053
Ion Ratio	Lower	Upper	
152	100		
151	22.7	15.5	23.3
153	15.8	10.4	15.6

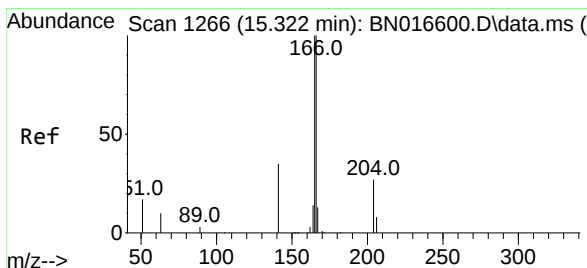
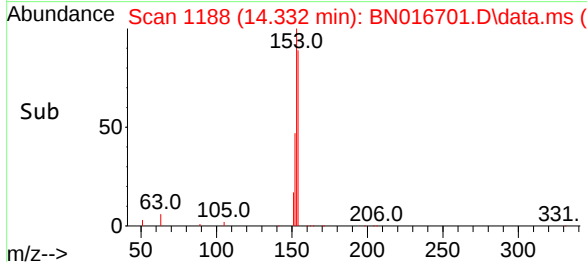
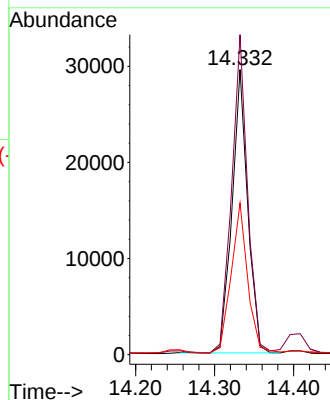
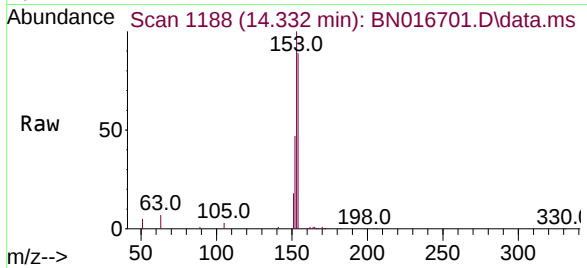




#17
Acenaphthene
Concen: 0.217 ng
RT: 14.332 min Scan# 1188
Delta R.T. 0.000 min
Lab File: BN016701.D
Acq: 03 Oct 2021 10:36

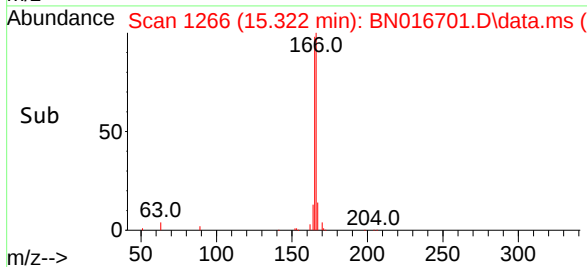
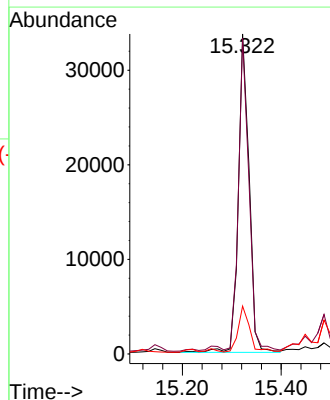
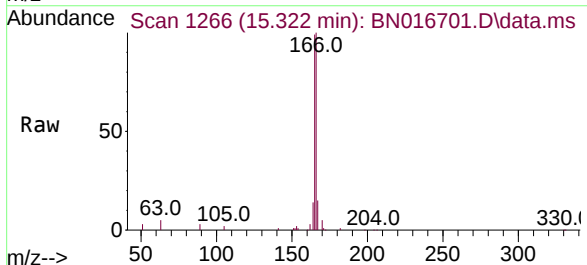
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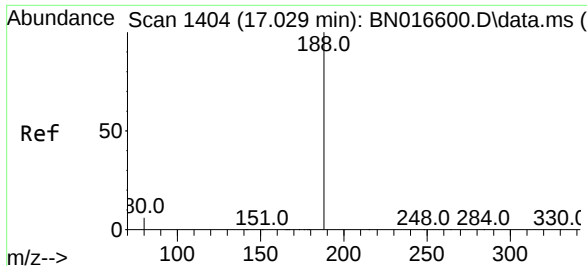
Tgt Ion:154 Resp: 40806
Ion Ratio Lower Upper
154 100
153 114.1 90.2 135.2
152 54.9 44.0 66.0



#18
Fluorene
Concen: 0.229 ng
RT: 15.322 min Scan# 1266
Delta R.T. 0.000 min
Lab File: BN016701.D
Acq: 03 Oct 2021 10:36

Tgt Ion:166 Resp: 51001
Ion Ratio Lower Upper
166 100
165 94.7 77.9 116.9
167 15.3 10.7 16.1

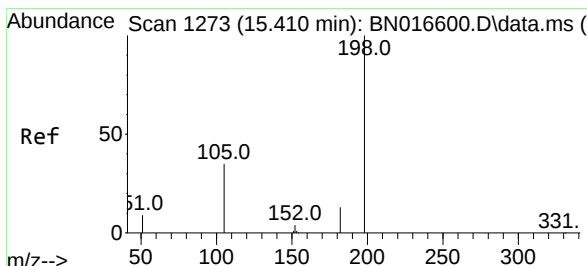
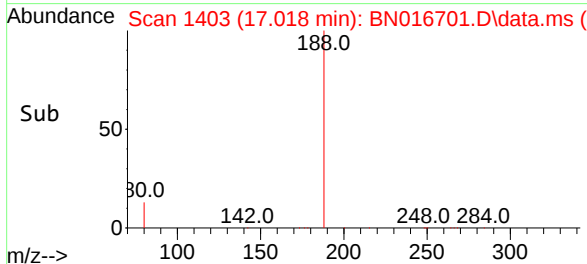
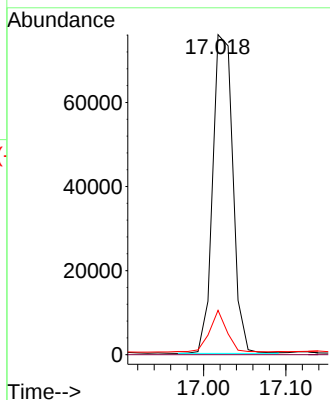
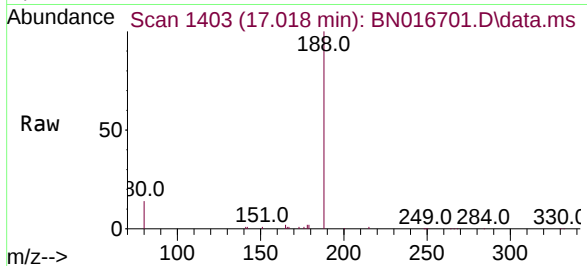




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.018 min Scan# 1403
Delta R.T. -0.012 min
Lab File: BN016701.D
Acq: 03 Oct 2021 10:36

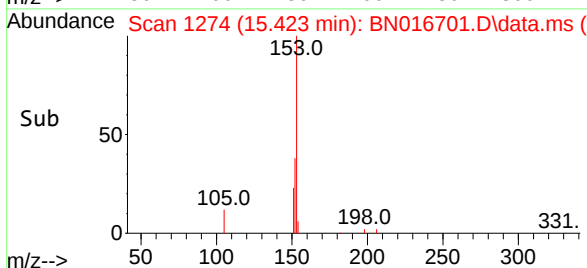
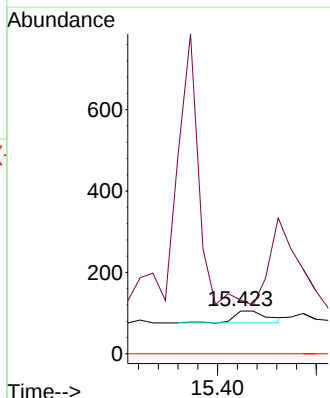
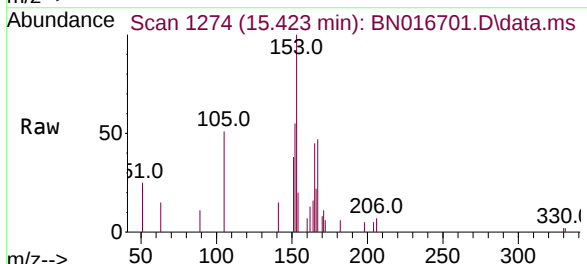
Instrument :
BNA_N
ClientSampleId :
S-832-J-SO-2-2.5-092221-FD

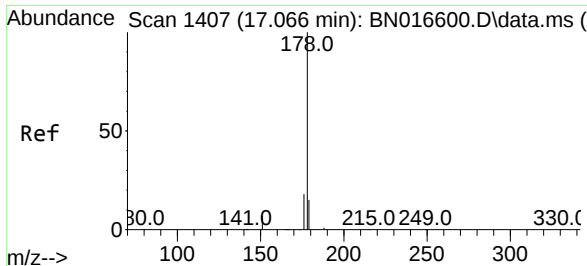
Tgt Ion:188 Resp: 128468
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 13.9 5.0 7.6#



#20
4,6-Dinitro-2-methylphenol
Concen: 0.141 ng
RT: 15.423 min Scan# 1274
Delta R.T. 0.013 min
Lab File: BN016701.D
Acq: 03 Oct 2021 10:36

Tgt Ion:198 Resp: 70
Ion Ratio Lower Upper
198 100
182 125.7 11.8 17.8#
77 0.0 0.0 0.0

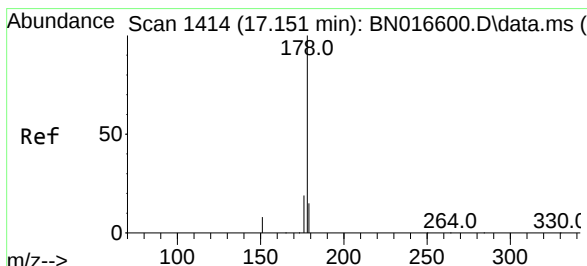
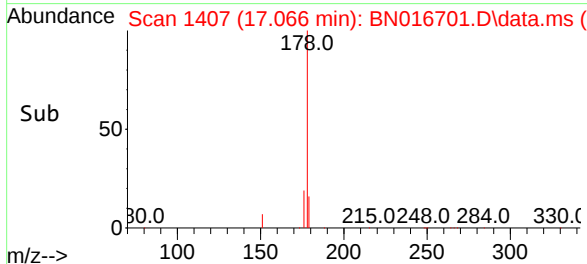
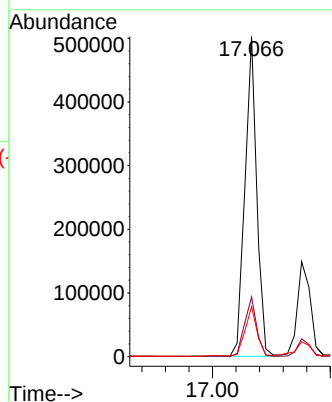
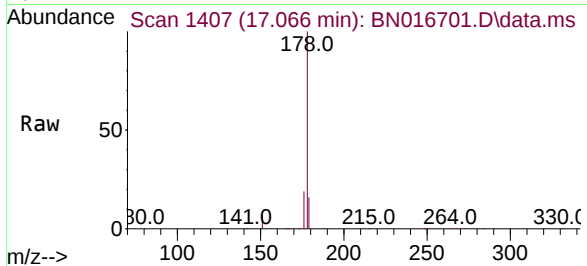




#25
Phenanthrene
Concen: 1.811 ng
RT: 17.066 min Scan# 1407
Delta R.T. 0.000 min
Lab File: BN016701.D
Acq: 03 Oct 2021 10:36

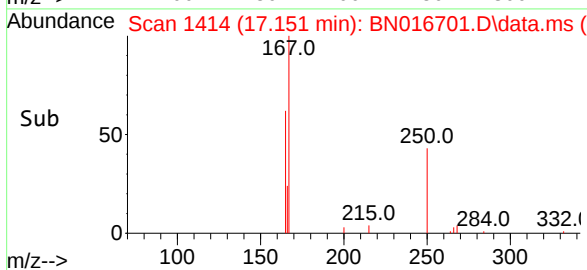
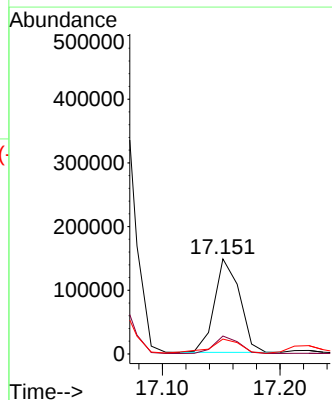
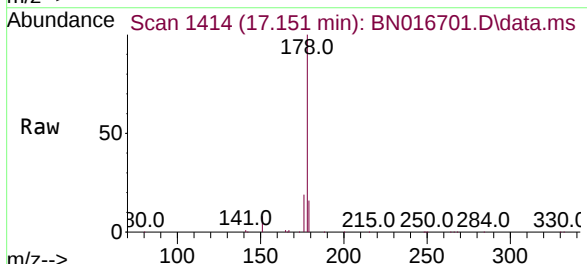
Instrument :
BNA_N
ClientSampleId :
S-832-J-SO-2-2.5-092221-FD

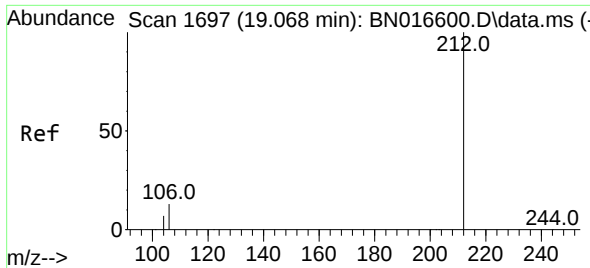
Tgt Ion:178 Resp: 700002
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.4
179 16.0 12.2 18.4



#26
Anthracene
Concen: 0.656 ng
RT: 17.151 min Scan# 1414
Delta R.T. 0.000 min
Lab File: BN016701.D
Acq: 03 Oct 2021 10:36

Tgt Ion:178 Resp: 218965
Ion Ratio Lower Upper
178 100
176 18.2 14.6 21.8
179 17.6 12.2 18.4

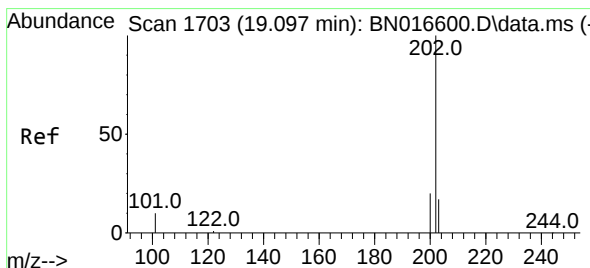
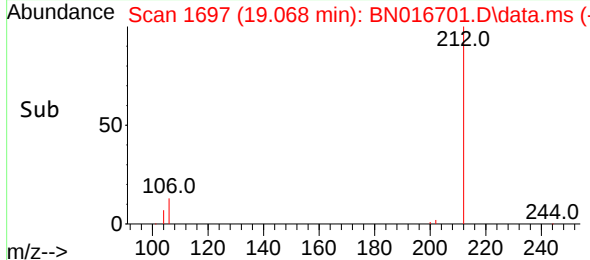
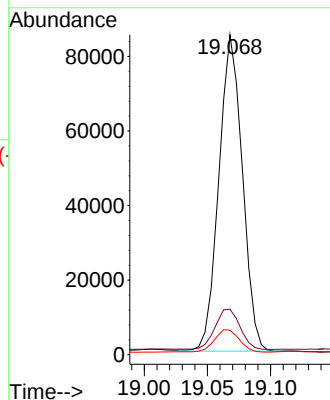
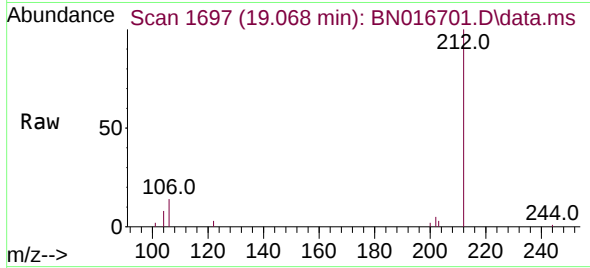




#27
Fluoranthene-d10
Concen: 0.322 ng
RT: 19.068 min Scan# 1697
Delta R.T. 0.000 min
Lab File: BN016701.D
Acq: 03 Oct 2021 10:36

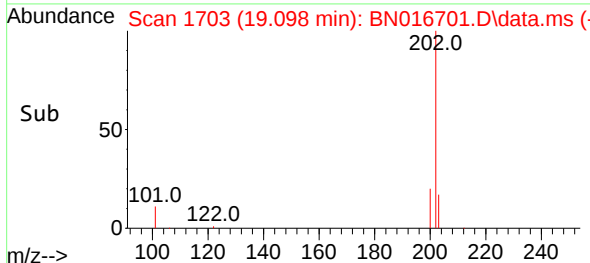
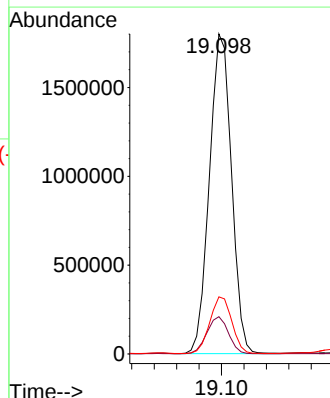
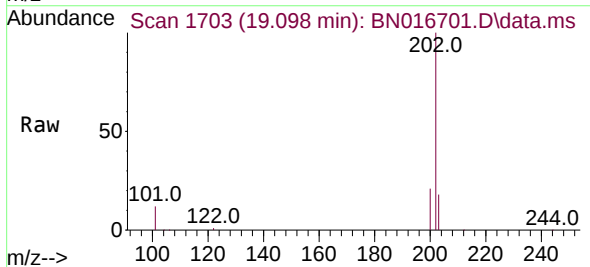
Instrument :
BNA_N
ClientSampleId :
S-832-J-SO-2-2.5-092221-FD

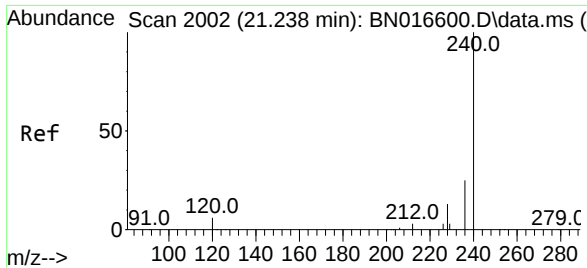
Tgt Ion:212 Resp: 109973
Ion Ratio Lower Upper
212 100
106 13.5 10.6 16.0
104 7.7 5.9 8.9



#28
Fluoranthene
Concen: 5.898 ng
RT: 19.098 min Scan# 1703
Delta R.T. 0.000 min
Lab File: BN016701.D
Acq: 03 Oct 2021 10:36

Tgt Ion:202 Resp: 2461607
Ion Ratio Lower Upper
202 100
101 11.3 9.0 13.4
203 17.7 13.8 20.6

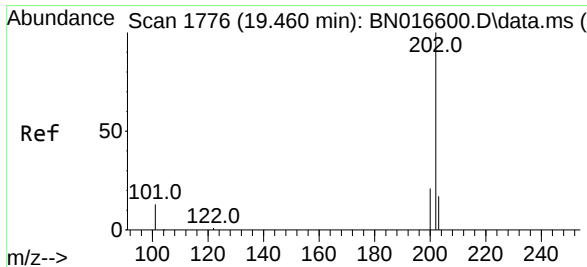
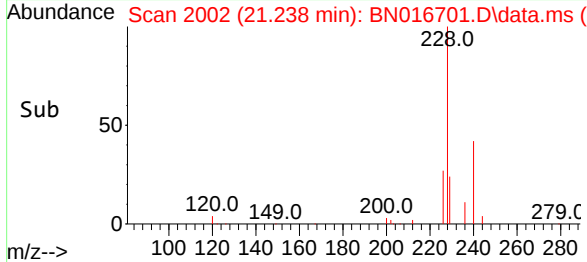
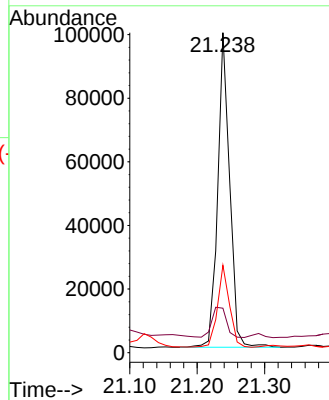
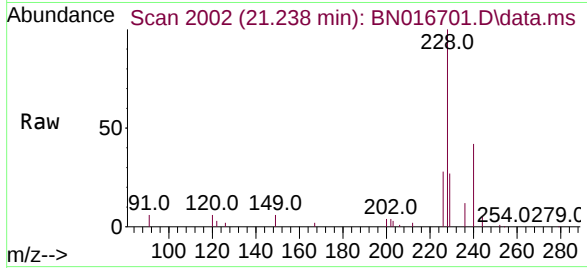




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.238 min Scan# 2002
Delta R.T. 0.000 min
Lab File: BN016701.D
Acq: 03 Oct 2021 10:36

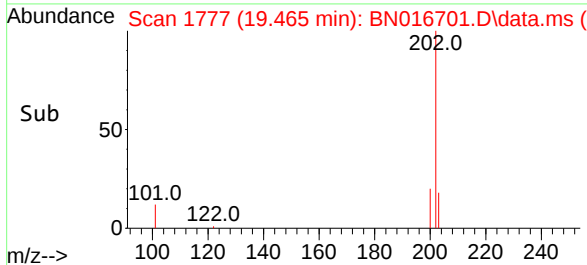
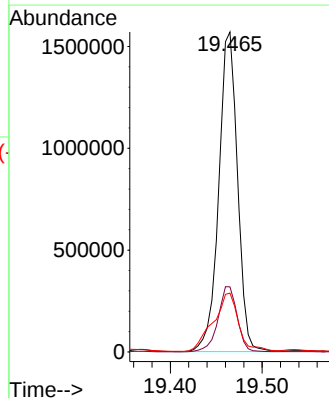
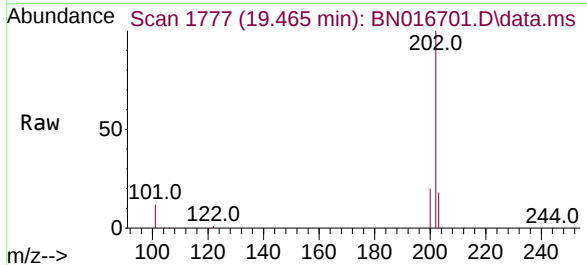
Instrument :
BNA_N
ClientSampleId :
S-832-J-SO-2-2.5-092221-FD

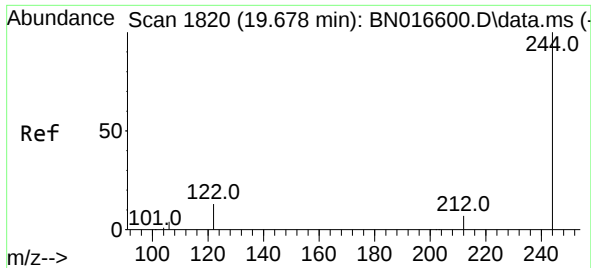
Tgt Ion:240 Resp: 121998
Ion Ratio Lower Upper
240 100
120 13.9 5.0 7.4#
236 27.3 20.4 30.6



#30
Pyrene
Concen: 5.657 ng
RT: 19.465 min Scan# 1777
Delta R.T. 0.005 min
Lab File: BN016701.D
Acq: 03 Oct 2021 10:36

Tgt Ion:202 Resp: 2232935
Ion Ratio Lower Upper
202 100
200 20.8 16.5 24.7
203 24.5 14.0 21.0#

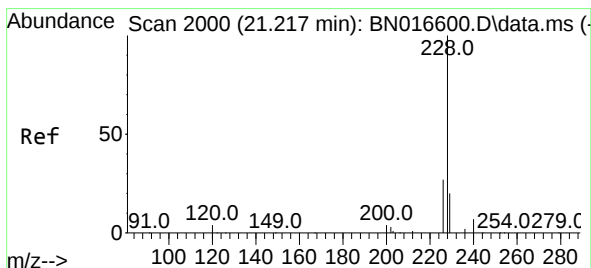
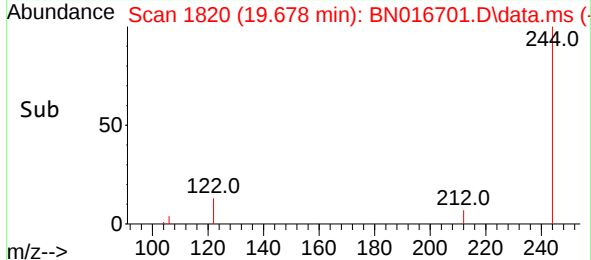
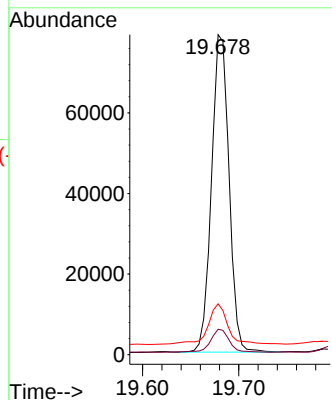
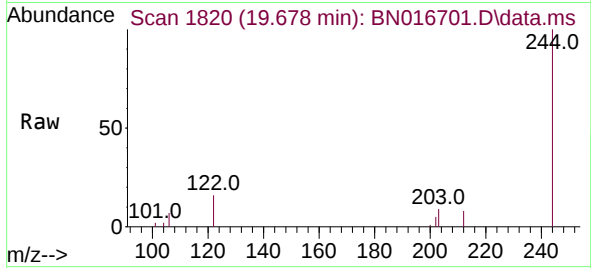




#31
Terphenyl-d14
Concen: 0.376 ng
RT: 19.678 min Scan# 1820
Delta R.T. 0.000 min
Lab File: BN016701.D
Acq: 03 Oct 2021 10:36

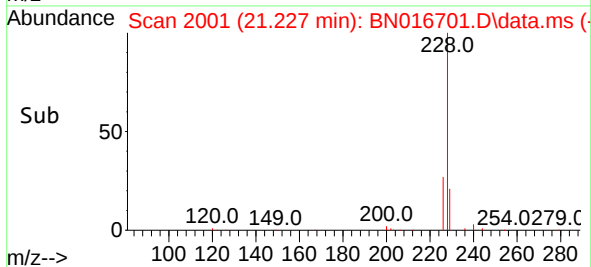
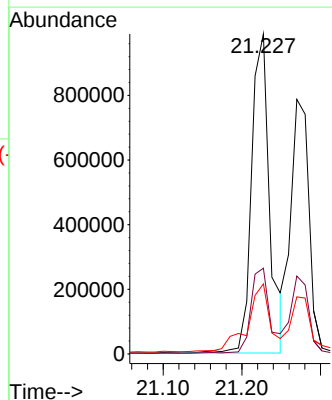
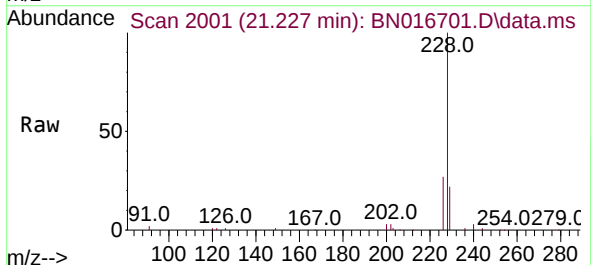
Instrument :
BNA_N
ClientSampleId :
S-832-J-SO-2-2.5-092221-FD

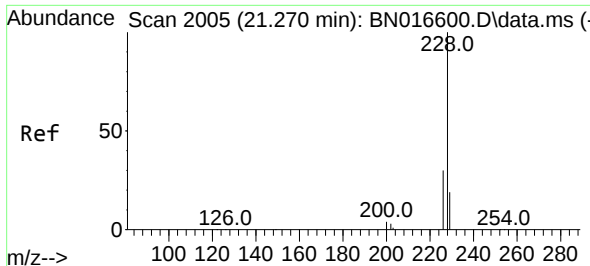
Tgt Ion:244 Resp: 99642
Ion Ratio Lower Upper
244 100
212 7.9 6.0 9.0
122 15.9 10.1 15.1#



#32
Benzo(a)anthracene
Concen: 4.192 ng
RT: 21.227 min Scan# 2001
Delta R.T. 0.011 min
Lab File: BN016701.D
Acq: 03 Oct 2021 10:36

Tgt Ion:228 Resp: 1569733
Ion Ratio Lower Upper
228 100
226 26.8 21.9 32.9
229 21.9 15.7 23.5

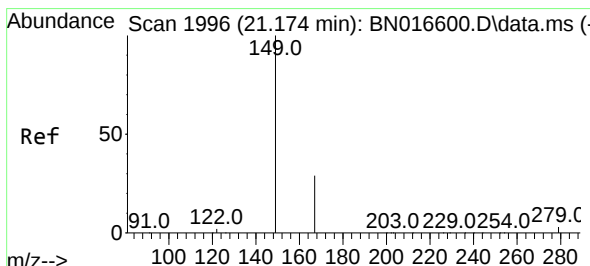
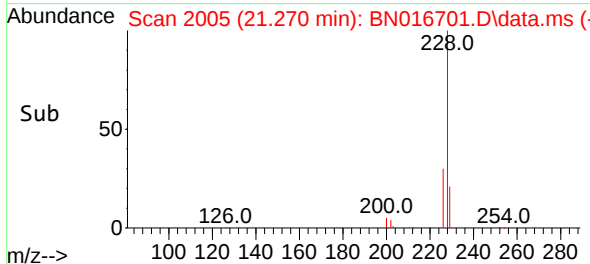
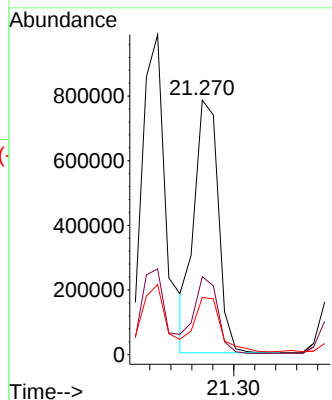
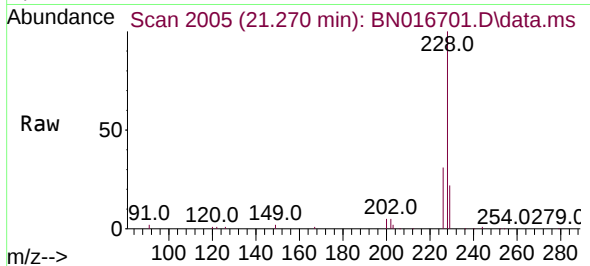




#33
Chrysene
Concen: 3.298 ng
RT: 21.270 min Scan# 2005
Delta R.T. 0.000 min
Lab File: BN016701.D
Acq: 03 Oct 2021 10:36

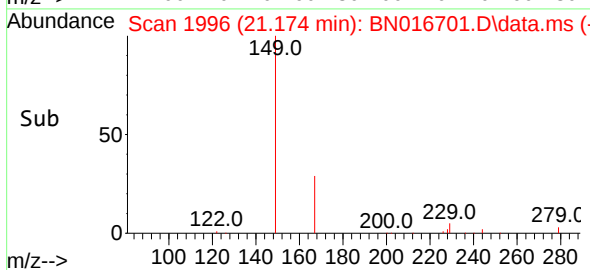
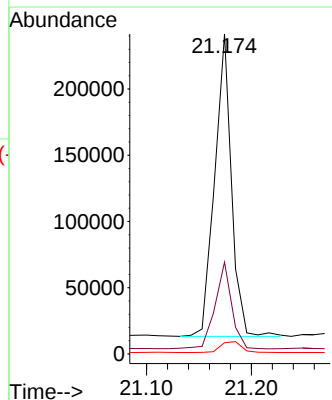
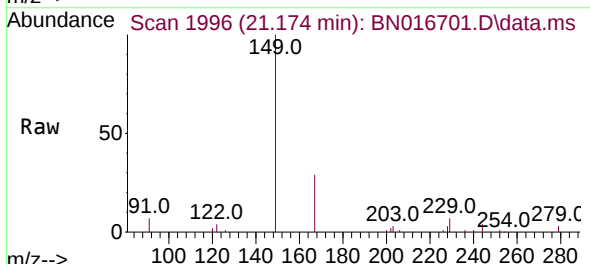
Instrument :
BNA_N
ClientSampleId :
S-832-J-SO-2-2.5-092221-FD

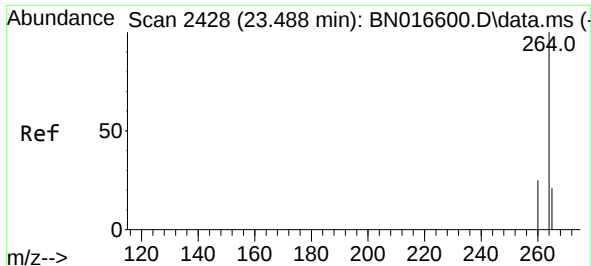
Tgt Ion:228 Resp: 1250449
Ion Ratio Lower Upper
228 100
226 30.6 23.7 35.5
229 22.4 15.5 23.3



#34
Bis(2-ethylhexyl)phthalate
Concen: 1.701 ng
RT: 21.174 min Scan# 1996
Delta R.T. 0.000 min
Lab File: BN016701.D
Acq: 03 Oct 2021 10:36

Tgt Ion:149 Resp: 253953
Ion Ratio Lower Upper
149 100
167 28.3 22.2 33.4
279 4.5 3.2 4.8



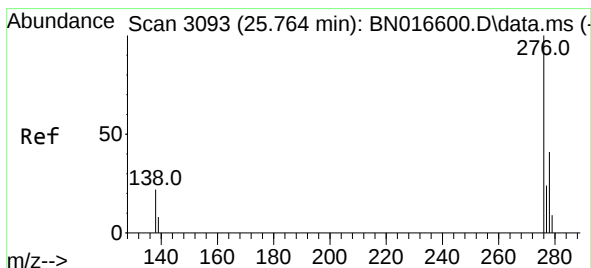
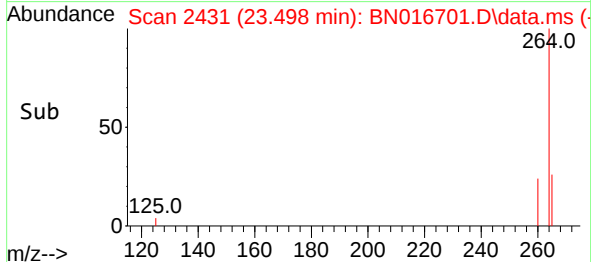
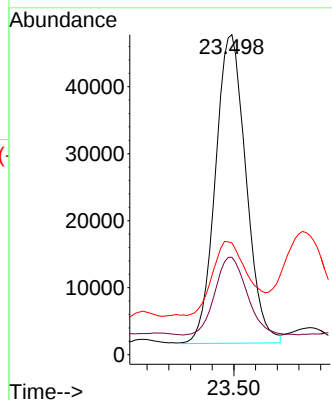
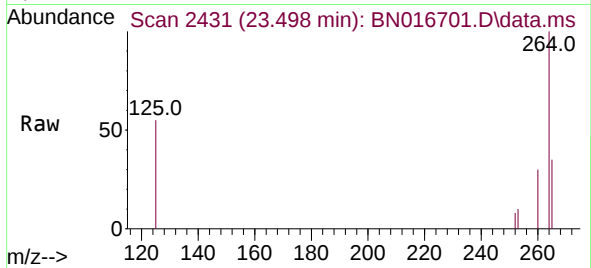


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.498 min Scan# 2431
Delta R.T. 0.011 min
Lab File: BN016701.D
Acq: 03 Oct 2021 10:36

Instrument :
BNA_N
ClientSampleId :
S-832-J-SO-2-2.5-092221-FD

Tgt Ion:264 Resp: 90107

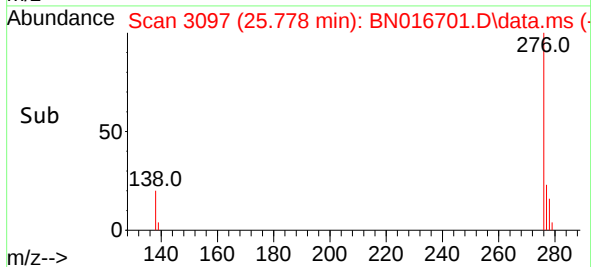
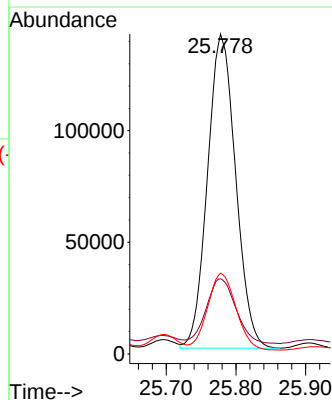
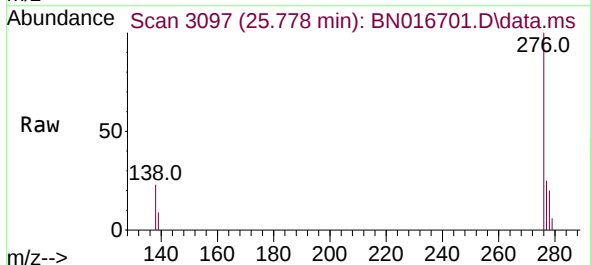
Ion	Ratio	Lower	Upper
264	100		
260	30.4	19.9	29.9#
265	35.0	19.2	28.8#

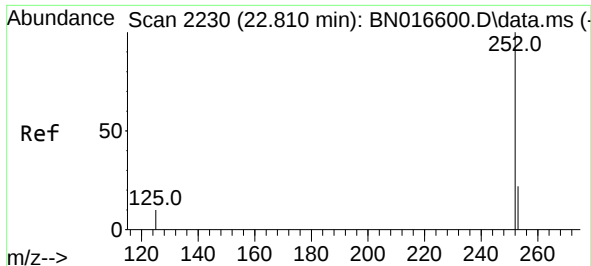


#36
Indeno(1,2,3-cd)pyrene
Concen: 1.227 ng
RT: 25.778 min Scan# 3097
Delta R.T. 0.014 min
Lab File: BN016701.D
Acq: 03 Oct 2021 10:36

Tgt Ion:276 Resp: 394616

Ion	Ratio	Lower	Upper
276	100		
138	21.6	19.5	29.3
277	24.8	19.9	29.9

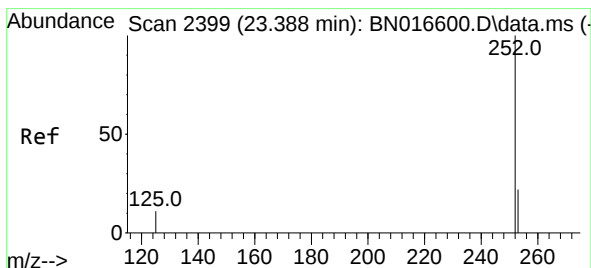
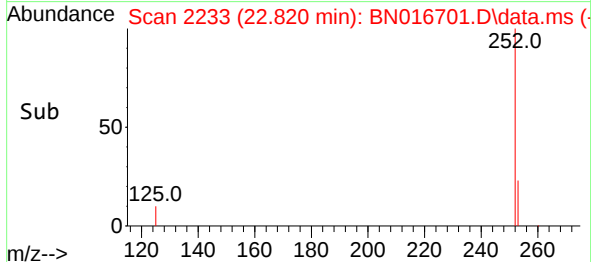
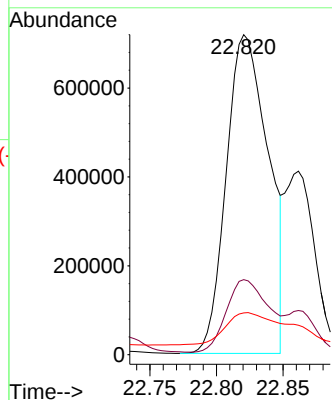
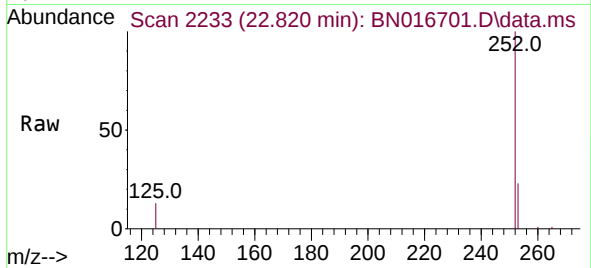




#37
Benzo(b)fluoranthene
Concen: 5.435 ng
RT: 22.820 min Scan# 2233
Delta R.T. 0.011 min
Lab File: BN016701.D
Acq: 03 Oct 2021 10:36

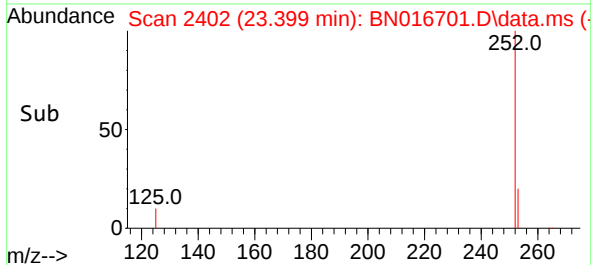
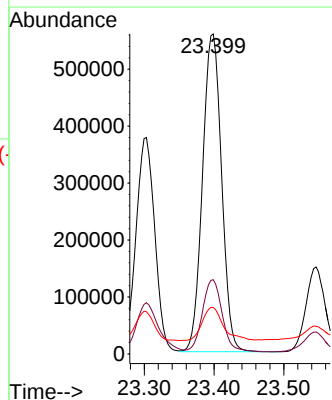
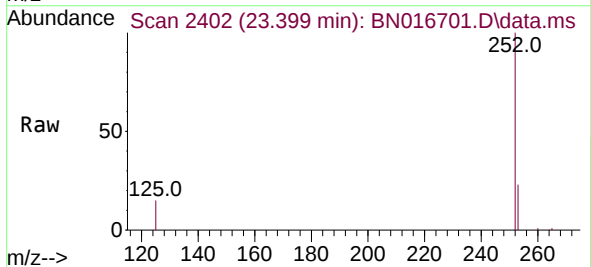
Instrument :
BNA_N
ClientSampleId :
S-832-J-SO-2-2.5-092221-FD

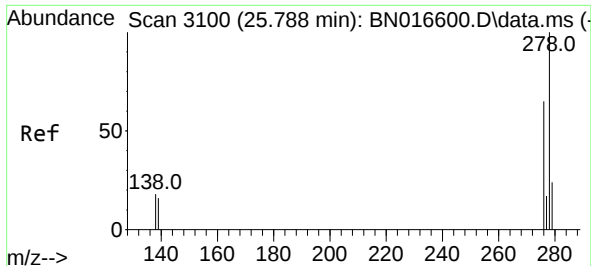
Tgt Ion:252 Resp: 1573782
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.8
125 13.0 8.0 12.0#



#39
Benzo(a)pyrene
Concen: 4.105 ng
RT: 23.399 min Scan# 2402
Delta R.T. 0.011 min
Lab File: BN016701.D
Acq: 03 Oct 2021 10:36

Tgt Ion:252 Resp: 1058768
Ion Ratio Lower Upper
252 100
253 23.2 17.8 26.8
125 14.6 9.0 13.4#





#40

Dibenzo(a,h)anthracene

Concen: 0.412 ng

RT: 25.798 min Scan# 3103

Delta R.T. 0.011 min

Lab File: BN016701.D

Acq: 03 Oct 2021 10:36

Tgt Ion:278 Resp: 106863

Ion Ratio Lower Upper

278 100

139 37.0 13.1 19.7#

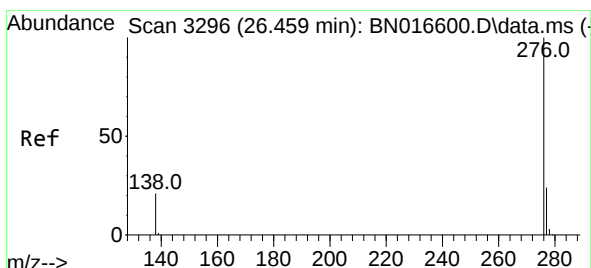
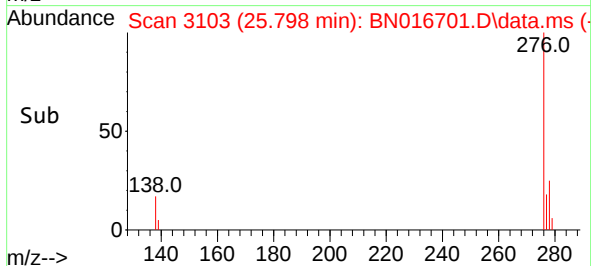
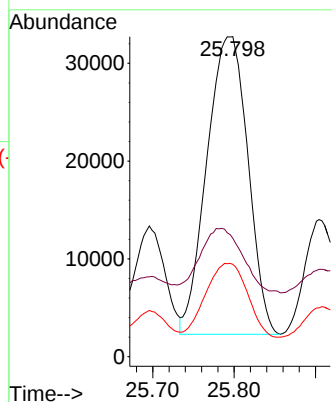
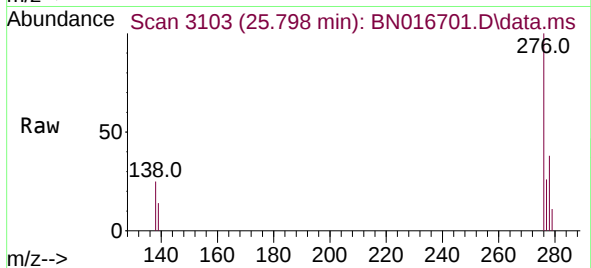
279 28.9 19.1 28.7#

Instrument :

BNA_N

ClientSampleId :

S-832-J-SO-2-2.5-092221-FD



#41

Benzo(g,h,i)perylene

Concen: 1.154 ng

RT: 26.479 min Scan# 3302

Delta R.T. 0.021 min

Lab File: BN016701.D

Acq: 03 Oct 2021 10:36

Tgt Ion:276 Resp: 328103

Ion Ratio Lower Upper

276 100

277 24.8 19.0 28.6

138 23.9 16.9 25.3

