

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100121\
 Data File : BN016699.D
 Acq On : 03 Oct 2021 09:24
 Operator : CG/JU
 Sample : M3892-20
 Misc :
 ALS Vial : 67 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Oct 04 03:37:55 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)

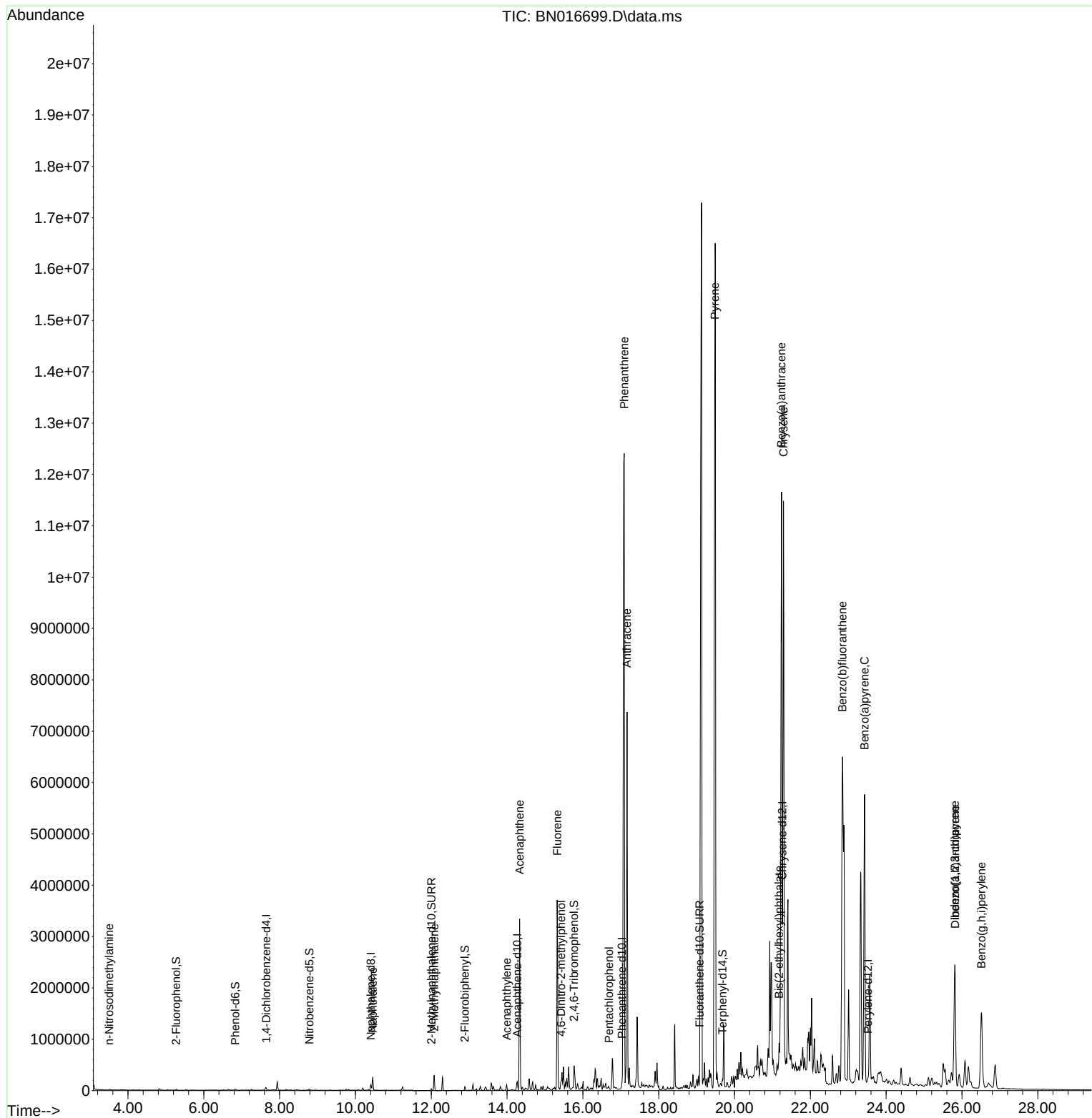
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.642	152	29844	0.400	ng	0.00
7) Naphthalene-d8	10.406	136	137525	0.400	ng	0.00
13) Acenaphthene-d10	14.268	164	81580	0.400	ng	0.00
19) Phenanthrene-d10	17.029	188	153012	0.400	ng	# 0.00
29) Chrysene-d12	21.259	240	116284	0.400	ng	# 0.02
35) Perylene-d12	23.518	264	115220	0.400	ng	# 0.03
System Monitoring Compounds						
4) 2-Fluorophenol	5.272	112	18991	0.250	ng	0.02
5) Phenol-d6	6.831	99	20166	0.242	ng	0.00
8) Nitrobenzene-d5	8.784	82	22676	0.253	ng	0.00
11) 2-Methylnaphthalene-d10	12.002	152	50632	0.249	ng	0.00
14) 2,4,6-Tribromophenol	15.765	330	11462	0.309	ng	0.00
15) 2-Fluorobiphenyl	12.885	172	63027	0.191	ng	-0.01
27) Fluoranthene-d10	19.077	212	102811	0.253	ng	0.00
31) Terphenyl-d14	19.683	244	104420	0.413	ng	0.00
Target Compounds						
						Qvalue
3) n-Nitrosodimethylamine	3.502	42	3358	0.152	ng	# 1
9) Naphthalene	10.457	128	332783	0.890	ng	100
12) 2-Methylnaphthalene	12.078	142	209903	0.879	ng	99
16) Acenaphthylene	13.989	152	83899	0.235	ng	# 91
17) Acenaphthene	14.332	154	1678466	6.988	ng	97
18) Fluorene	15.321	166	2491829	8.773	ng	98
20) 4,6-Dinitro-2-methylph...	15.423	198	1150	0.195	ng	# 1
24) Pentachlorophenol	16.689	266	1484	0.041	ng	96
25) Phenanthrene	17.090	178	18186766	39.495	ng	95
26) Anthracene	17.163	178	7838198	19.717	ng	97
30) Pyrene	19.480	202	21013286	55.850	ng	# 94
32) Benzo(a)anthracene	21.238	228	13497725	37.817	ng	94
33) Chrysene	21.291	228	12094132	33.466	ng	# 92
34) Bis(2-ethylhexyl)phtha...	21.174	149	421393	2.961	ng	# 90
36) Indeno(1,2,3-cd)pyrene	25.812	276	3827462	9.310	ng	96
37) Benzo(b)fluoranthene	22.847	252	13784160	37.229	ng	96
39) Benzo(a)pyrene	23.429	252	9206277	27.915	ng	97
40) Dibenzo(a,h)anthracene	25.819	278	1002935	3.024	ng	# 92
41) Benzo(g,h,i)perylene	26.513	276	3298497	9.073	ng	99

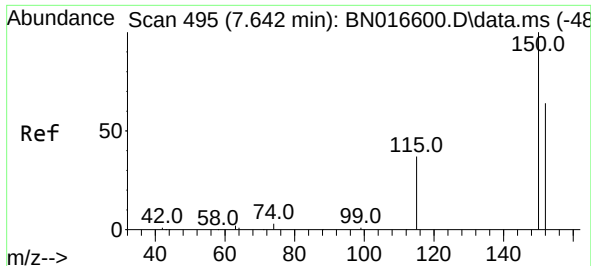
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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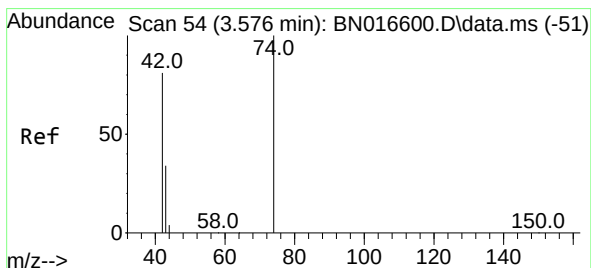
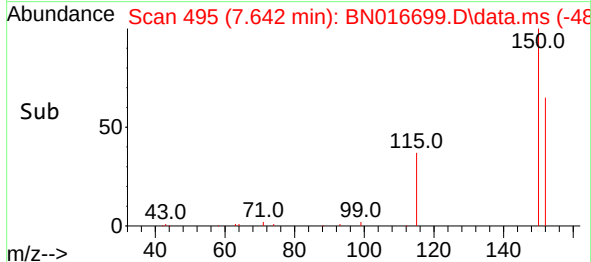
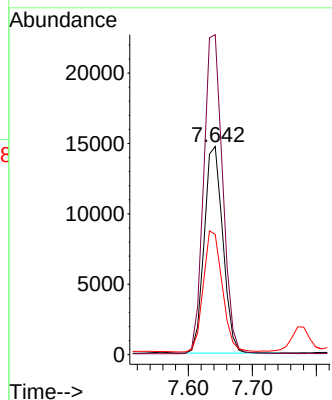
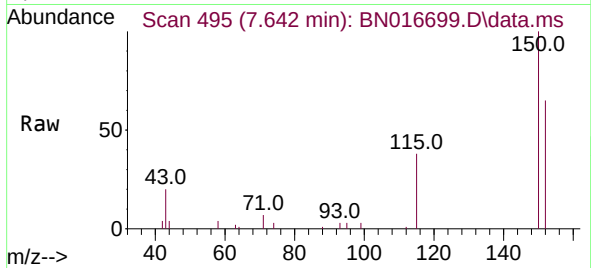




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.642 min Scan# 495
 Delta R.T. 0.000 min
 Lab File: BN016699.D
 Acq: 03 Oct 2021 09:24

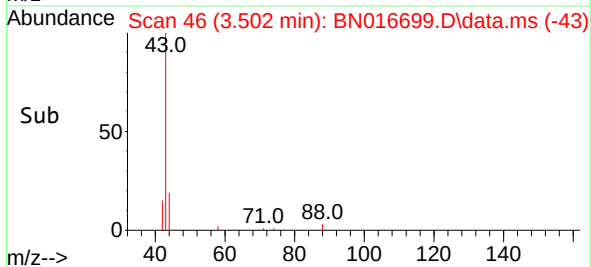
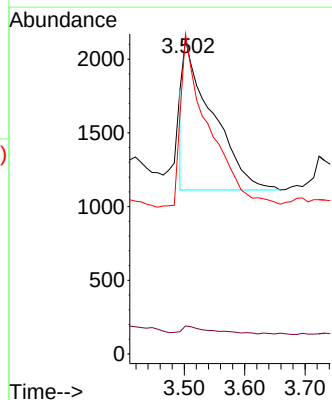
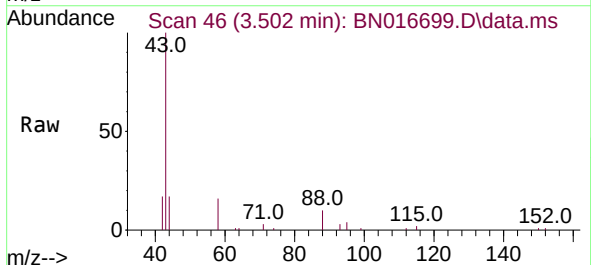
Instrument :
 BNA_N
 ClientSampled :

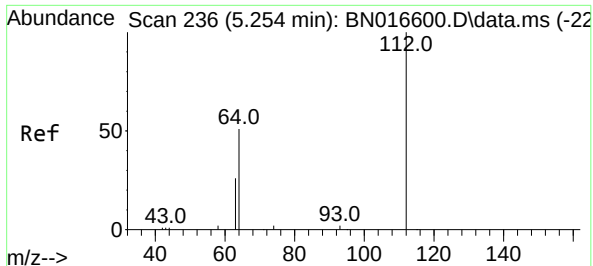
Tgt Ion:152 Resp: 29844
 Ion Ratio Lower Upper
 152 100
 150 153.7 124.6 186.8
 115 57.8 46.5 69.7



#3
 n-Nitrosodimethylamine
 Concen: 0.152 ng
 RT: 3.502 min Scan# 46
 Delta R.T. -0.074 min
 Lab File: BN016699.D
 Acq: 03 Oct 2021 09:24

Tgt Ion: 42 Resp: 3358
 Ion Ratio Lower Upper
 42 100
 74 4.9 121.6 182.4#
 44 96.8 6.3 9.5#

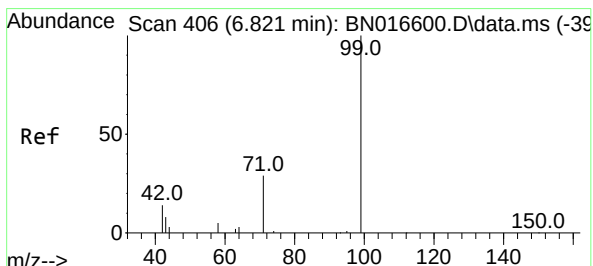
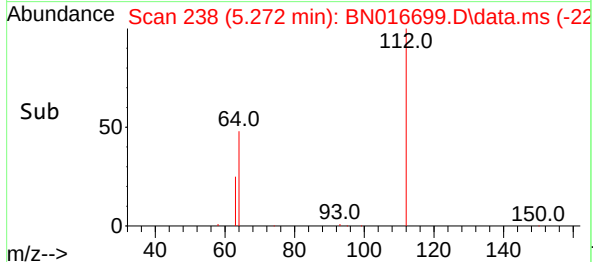
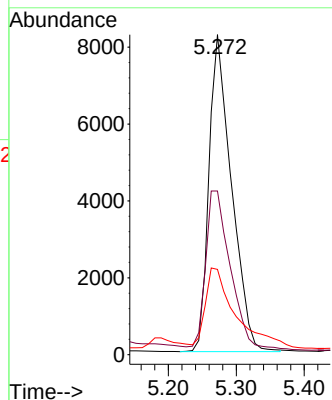
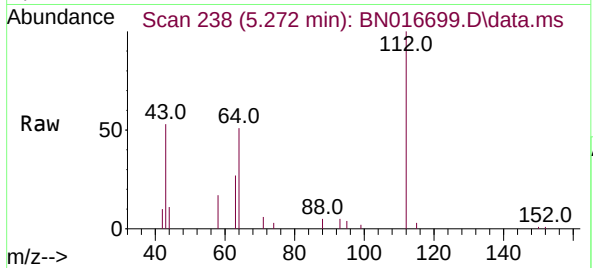




#4
2-Fluorophenol
Concen: 0.250 ng
RT: 5.272 min Scan# 238
Delta R.T. 0.018 min
Lab File: BN016699.D
Acq: 03 Oct 2021 09:24

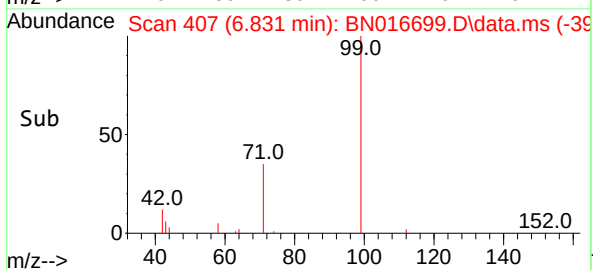
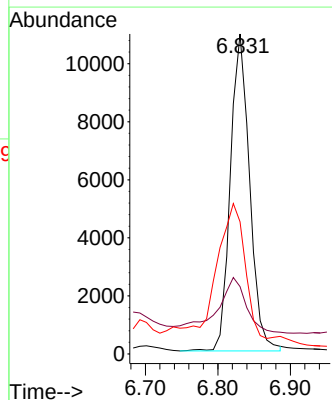
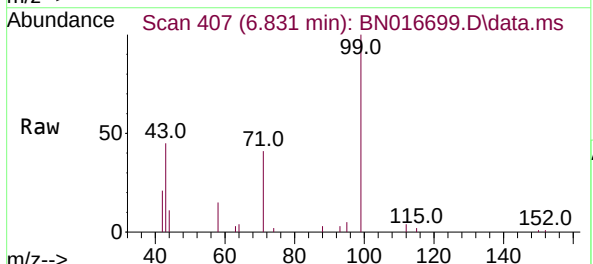
Instrument :
BNA_N
ClientSampleId :

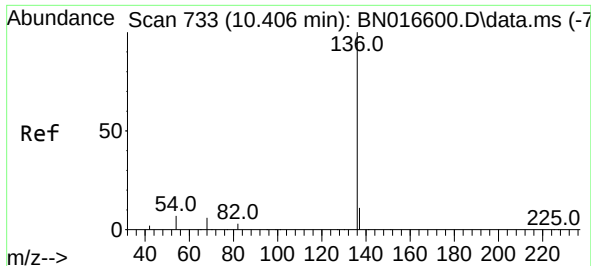
Tgt Ion:112 Resp: 18991
Ion Ratio Lower Upper
112 100
64 53.5 43.1 64.7
63 29.8 21.6 32.4



#5
Phenol-d6
Concen: 0.242 ng
RT: 6.831 min Scan# 407
Delta R.T. 0.009 min
Lab File: BN016699.D
Acq: 03 Oct 2021 09:24

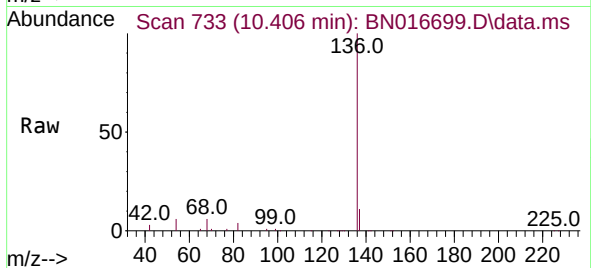
Tgt Ion: 99 Resp: 20166
Ion Ratio Lower Upper
99 100
42 26.1 13.0 19.6#
71 57.0 23.5 35.3#



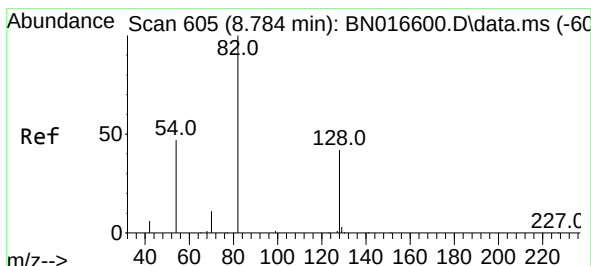
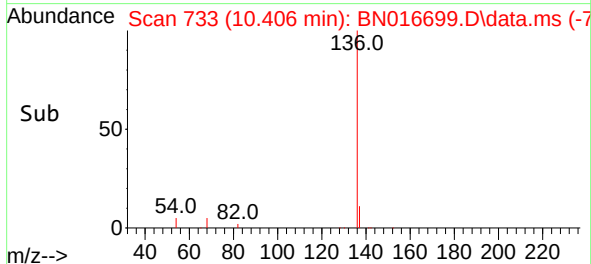
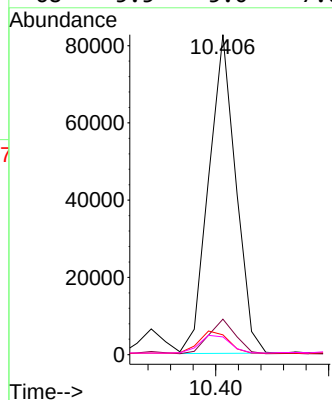


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.406 min Scan# 733
Delta R.T. -0.000 min
Lab File: BN016699.D
Acq: 03 Oct 2021 09:24

Instrument :
BNA_N
ClientSampleId :

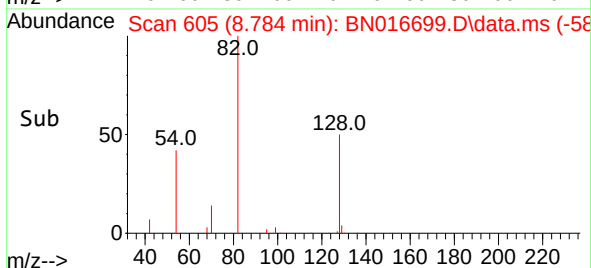
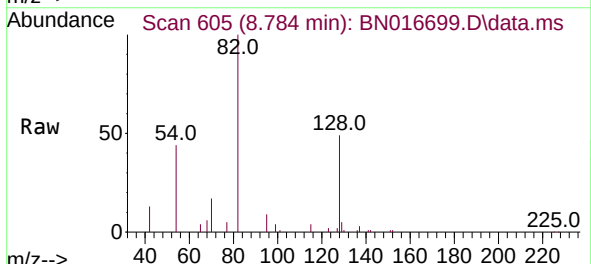
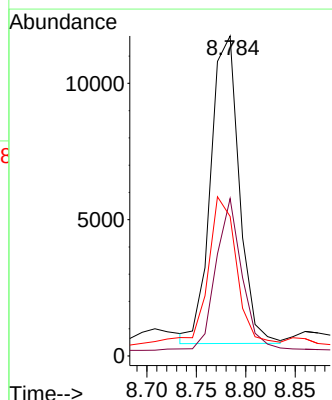


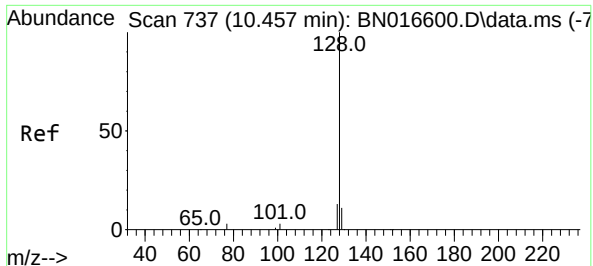
Tgt Ion:	136	Resp:	137525
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.7	13.1
54	6.2	5.9	8.9
68	5.5	5.0	7.6



#8
Nitrobenzene-d5
Concen: 0.253 ng
RT: 8.784 min Scan# 605
Delta R.T. -0.000 min
Lab File: BN016699.D
Acq: 03 Oct 2021 09:24

Tgt Ion:	82	Resp:	22676
Ion Ratio	Lower	Upper	
82	100		
128	49.2	33.6	50.4
54	43.6	37.6	56.4

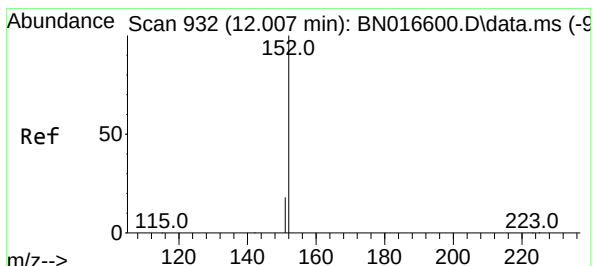
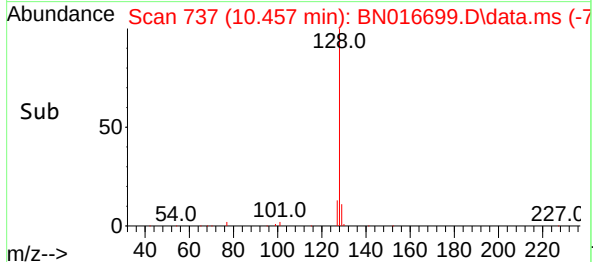
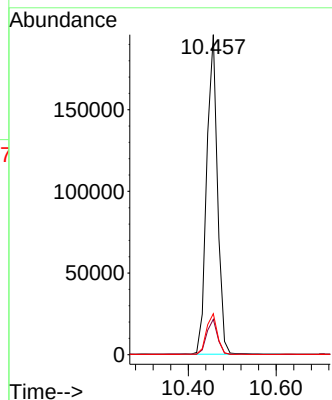
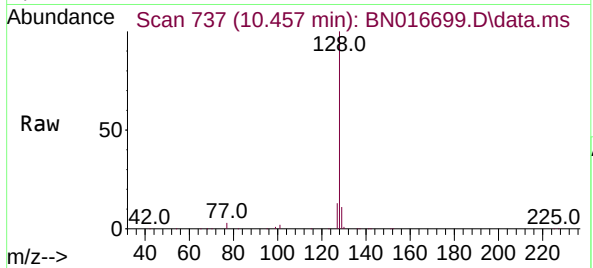




#9
Naphthalene
Concen: 0.890 ng
RT: 10.457 min Scan# 737
Delta R.T. -0.000 min
Lab File: BN016699.D
Acq: 03 Oct 2021 09:24

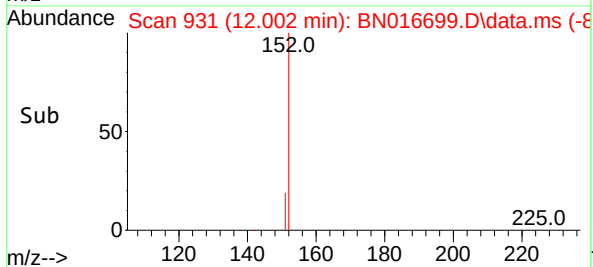
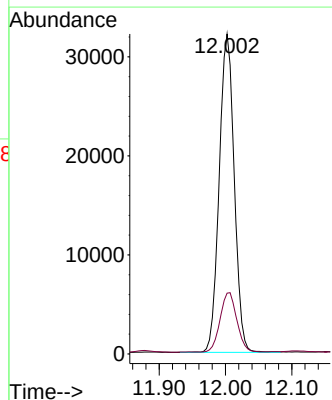
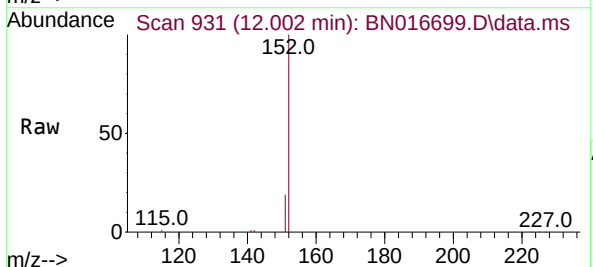
Instrument :
BNA_N
ClientSampleId :

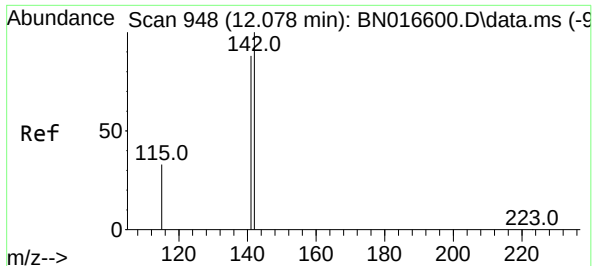
Tgt Ion:128 Resp: 332783
Ion Ratio Lower Upper
128 100
129 11.1 8.8 13.2
127 12.8 10.3 15.5



#11
2-Methylnaphthalene-d10
Concen: 0.249 ng
RT: 12.002 min Scan# 931
Delta R.T. -0.005 min
Lab File: BN016699.D
Acq: 03 Oct 2021 09:24

Tgt Ion:152 Resp: 50632
Ion Ratio Lower Upper
152 100
151 20.8 16.2 24.4

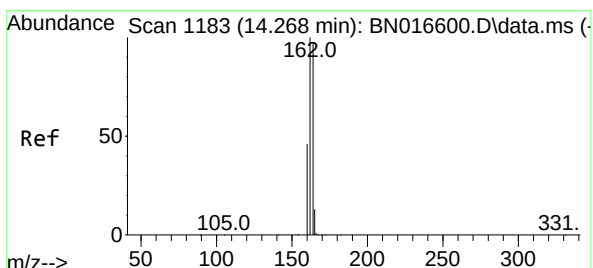
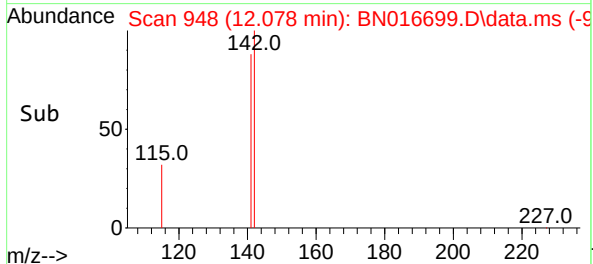
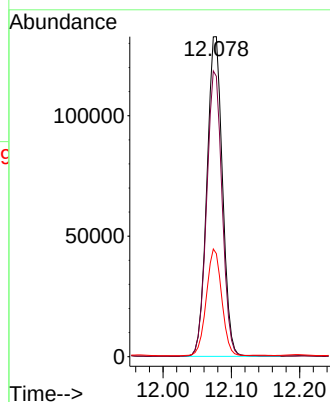
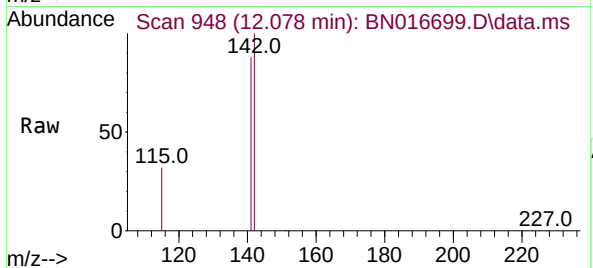




#12
2-Methylnaphthalene
Concen: 0.879 ng
RT: 12.078 min Scan# 948
Delta R.T. -0.000 min
Lab File: BN016699.D
Acq: 03 Oct 2021 09:24

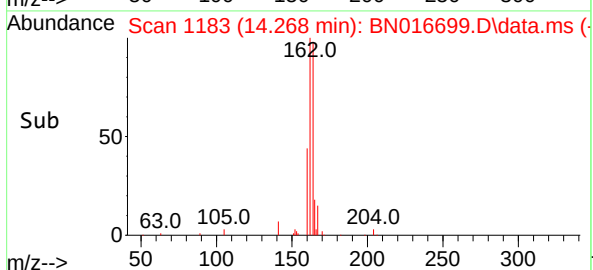
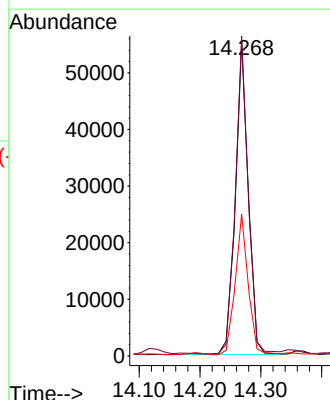
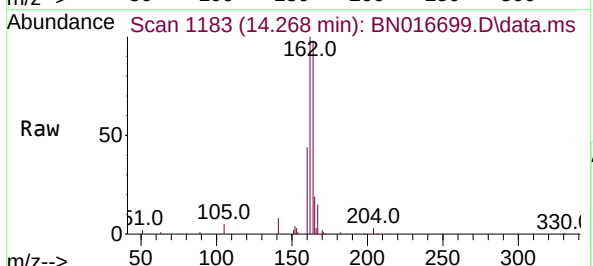
Instrument :
BNA_N
ClientSampled :

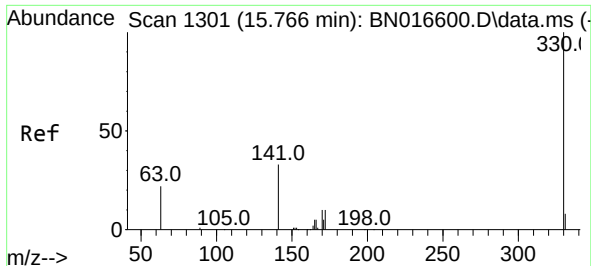
Tgt Ion:142 Resp: 209903
Ion Ratio Lower Upper
142 100
141 87.6 70.6 105.8
115 32.2 26.6 39.8



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.268 min Scan# 1183
Delta R.T. -0.000 min
Lab File: BN016699.D
Acq: 03 Oct 2021 09:24

Tgt Ion:164 Resp: 81580
Ion Ratio Lower Upper
164 100
162 101.8 82.2 123.2
160 45.2 37.7 56.5

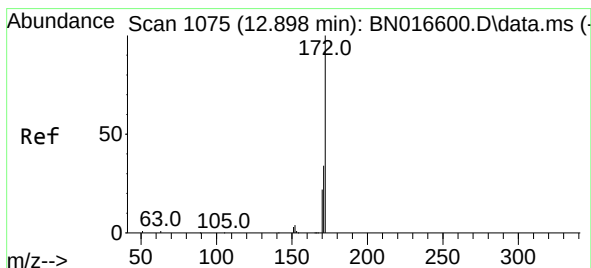
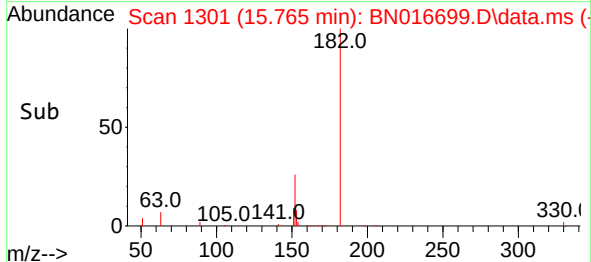
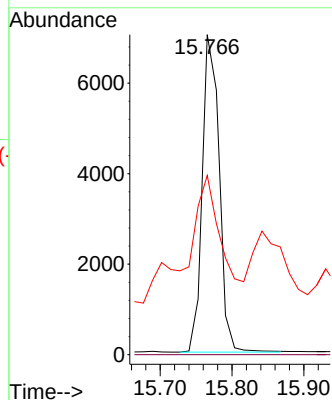
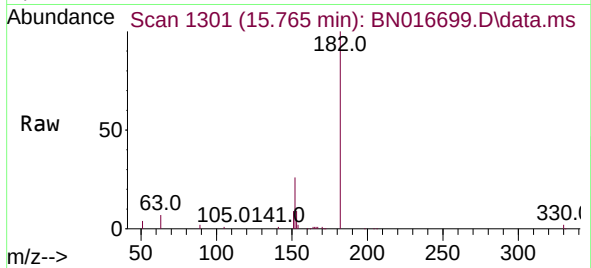




#14
2,4,6-Tribromophenol
Concen: 0.309 ng
RT: 15.765 min Scan# 1301
Delta R.T. -0.000 min
Lab File: BN016699.D
Acq: 03 Oct 2021 09:24

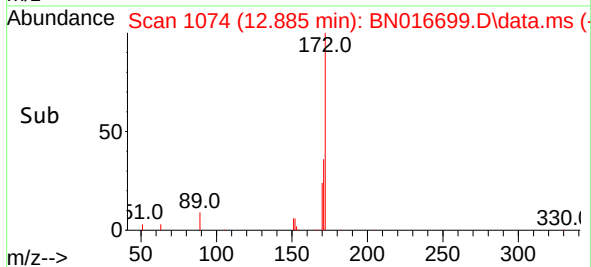
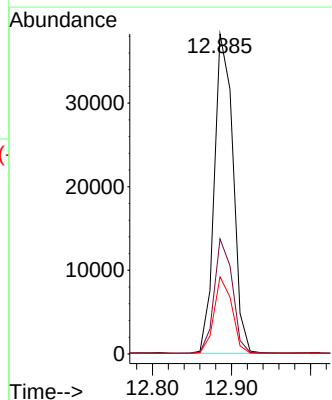
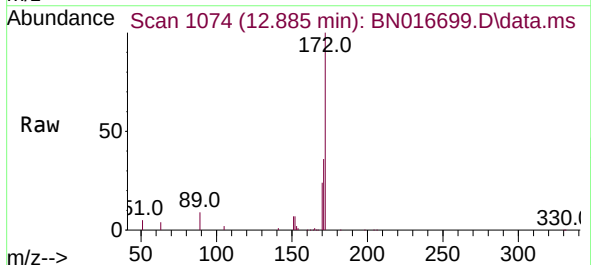
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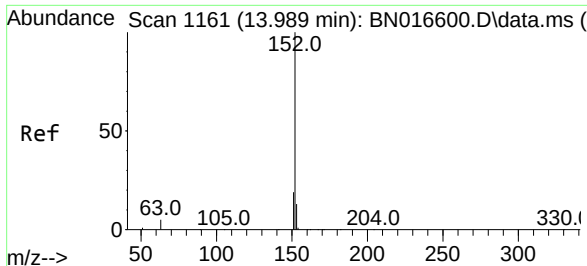
Tgt Ion:330 Resp: 11462
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 47.5 25.2 37.8#



#15
2-Fluorobiphenyl
Concen: 0.191 ng
RT: 12.885 min Scan# 1074
Delta R.T. -0.013 min
Lab File: BN016699.D
Acq: 03 Oct 2021 09:24

Tgt Ion:172 Resp: 63027
Ion Ratio Lower Upper
172 100
171 36.0 27.0 40.4
170 24.1 17.4 26.2

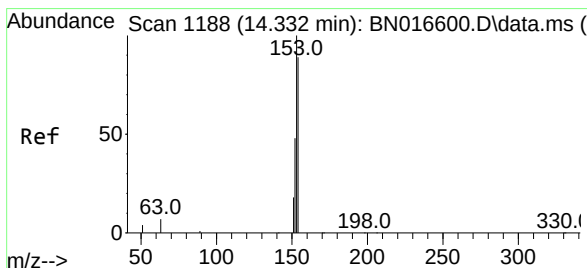
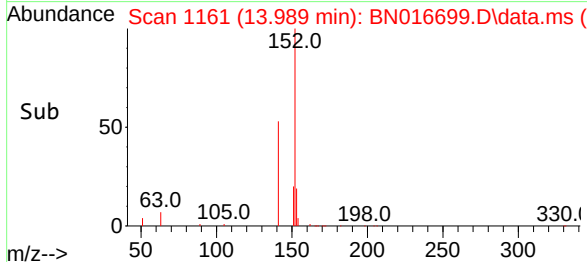
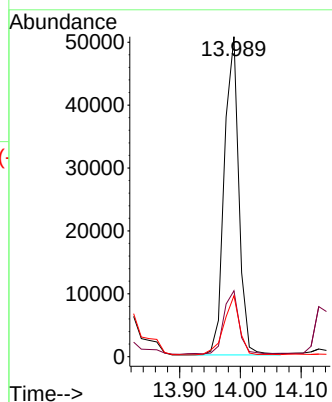
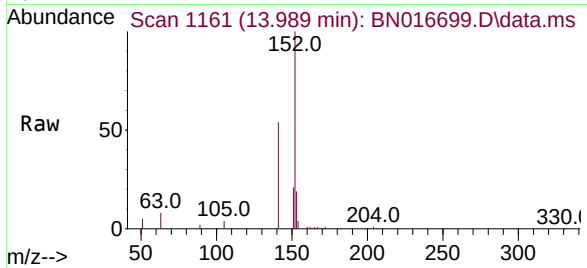




#16
Acenaphthylene
Concen: 0.235 ng
RT: 13.989 min Scan# 1161
Delta R.T. -0.000 min
Lab File: BN016699.D
Acq: 03 Oct 2021 09:24

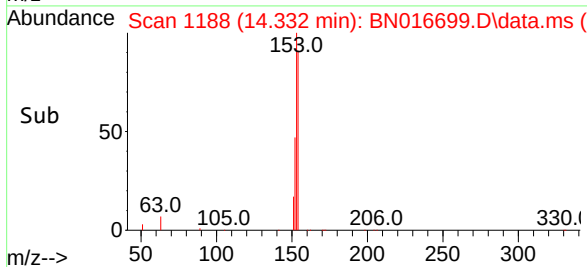
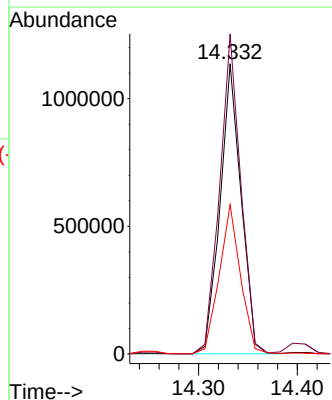
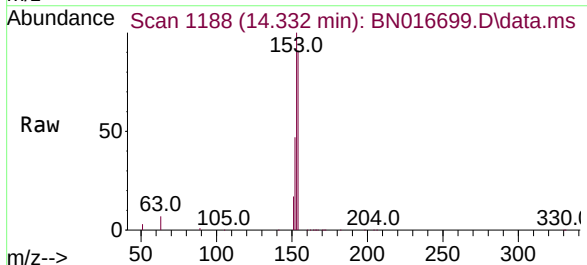
Instrument :
BNA_N
ClientSampleId :

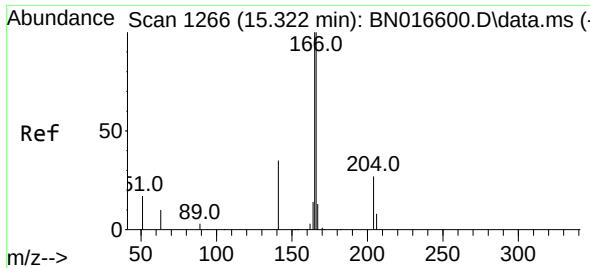
Tgt Ion:152 Resp: 83899
Ion Ratio Lower Upper
152 100
151 21.2 15.5 23.3
153 19.9 10.4 15.6#



#17
Acenaphthene
Concen: 6.988 ng
RT: 14.332 min Scan# 1188
Delta R.T. -0.000 min
Lab File: BN016699.D
Acq: 03 Oct 2021 09:24

Tgt Ion:154 Resp: 1678466
Ion Ratio Lower Upper
154 100
153 110.7 90.2 135.2
152 52.0 44.0 66.0

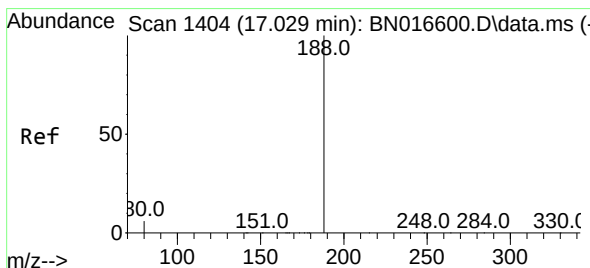
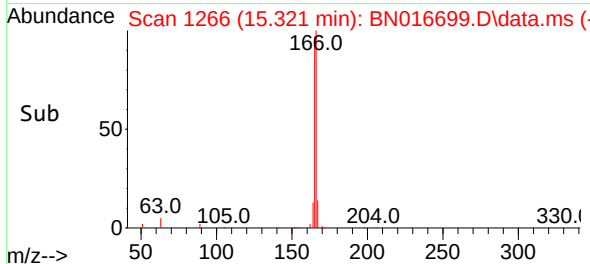
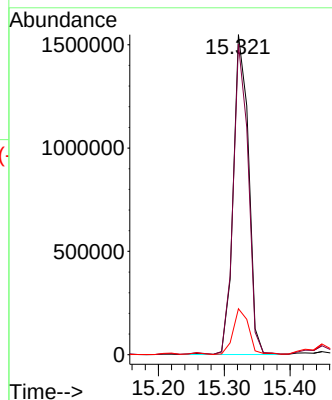
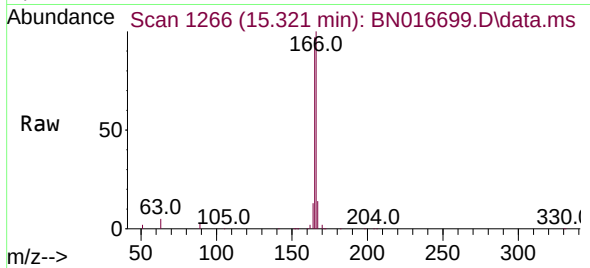




#18
Fluorene
Concen: 8.773 ng
RT: 15.321 min Scan# 1266
Delta R.T. -0.000 min
Lab File: BN016699.D
Acq: 03 Oct 2021 09:24

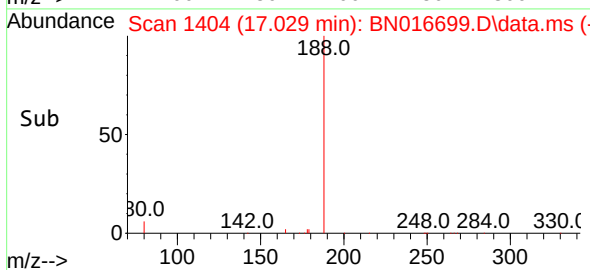
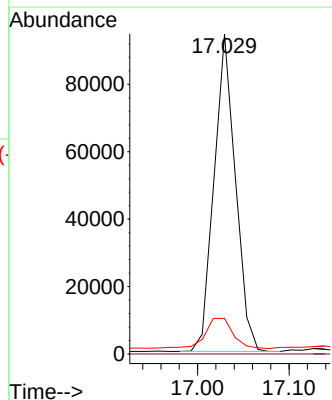
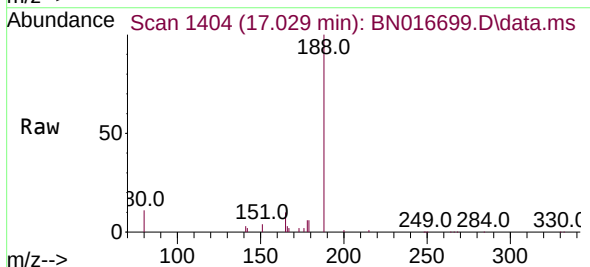
Instrument :
BNA_N
ClientSampleId :

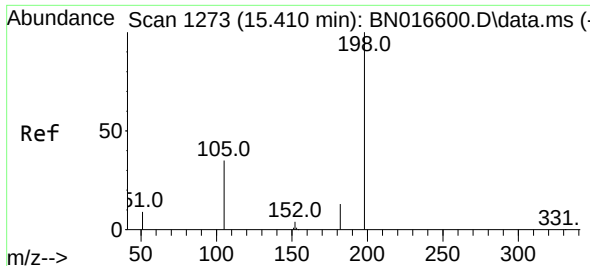
Tgt Ion:166 Resp: 2491829
Ion Ratio Lower Upper
166 100
165 95.2 77.9 116.9
167 14.7 10.7 16.1



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.029 min Scan# 1404
Delta R.T. -0.000 min
Lab File: BN016699.D
Acq: 03 Oct 2021 09:24

Tgt Ion:188 Resp: 153012
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.1 5.0 7.6#

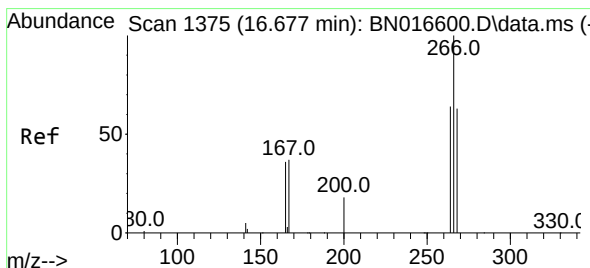
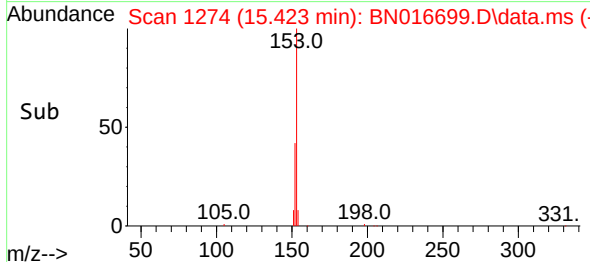
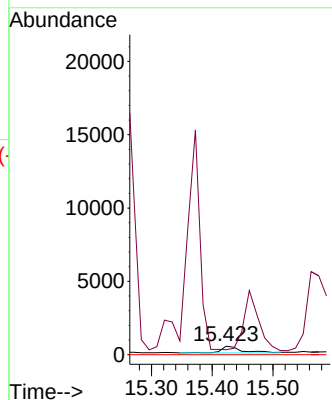
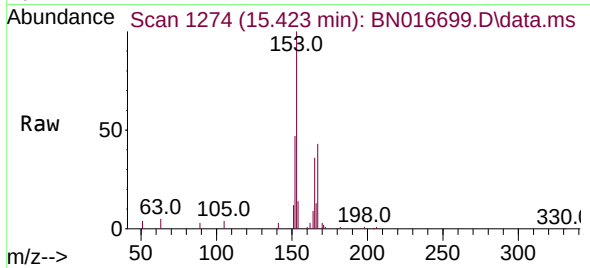




#20
4,6-Dinitro-2-methylphenol
Concen: 0.195 ng
RT: 15.423 min Scan# 1274
Delta R.T. 0.013 min
Lab File: BN016699.D
Acq: 03 Oct 2021 09:24

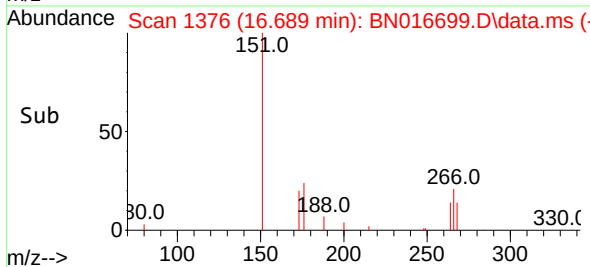
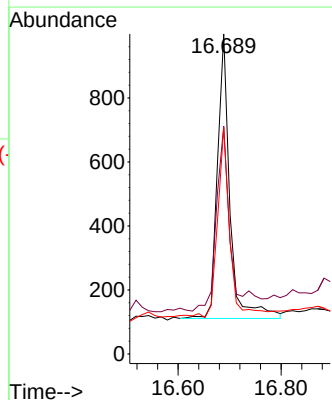
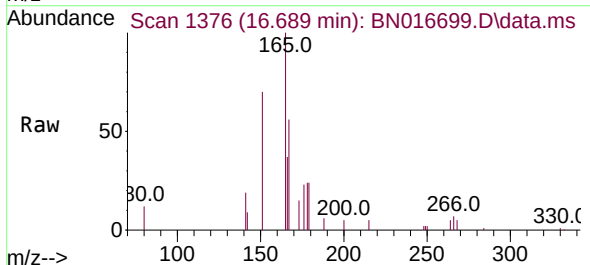
Instrument :
BNA_N
ClientSampled :

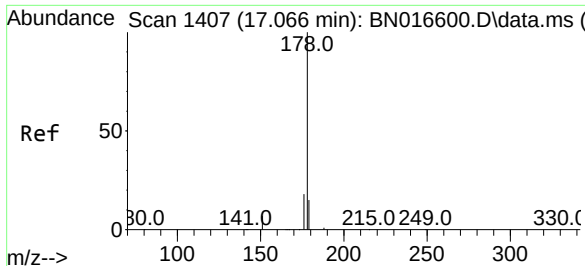
Tgt Ion:198 Resp: 1150
Ion Ratio Lower Upper
198 100
182 58.9 11.8 17.8#
77 0.0 0.0 0.0



#24
Pentachlorophenol
Concen: 0.041 ng
RT: 16.689 min Scan# 1376
Delta R.T. 0.012 min
Lab File: BN016699.D
Acq: 03 Oct 2021 09:24

Tgt Ion:266 Resp: 1484
Ion Ratio Lower Upper
266 100
264 66.7 49.8 74.6
268 62.8 51.4 77.2

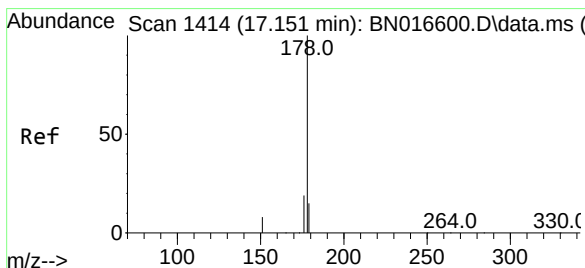
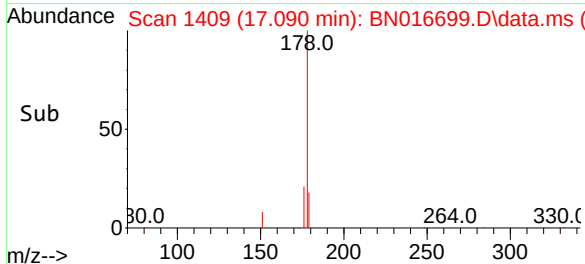
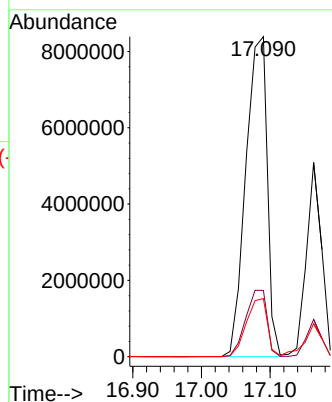
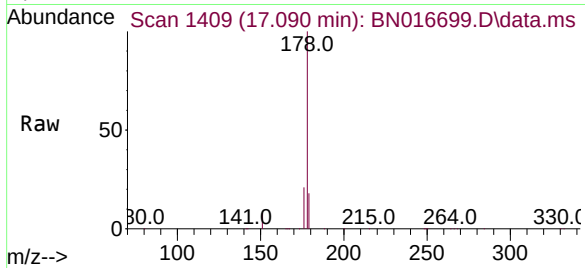




#25
Phenanthrene
Concen: 39.495 ng
RT: 17.090 min Scan# 1409
Delta R.T. 0.024 min
Lab File: BN016699.D
Acq: 03 Oct 2021 09:24

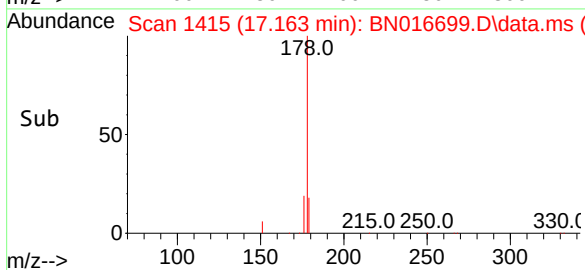
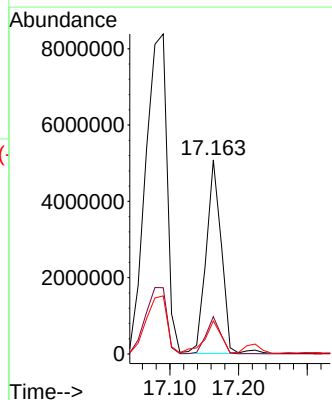
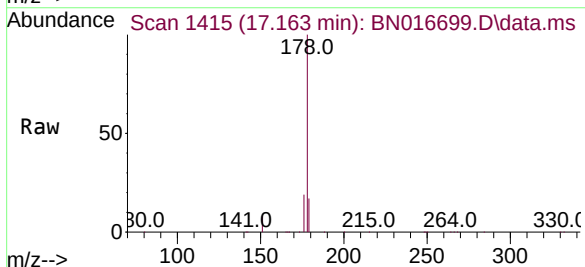
Instrument :
BNA_N
ClientSampleId :

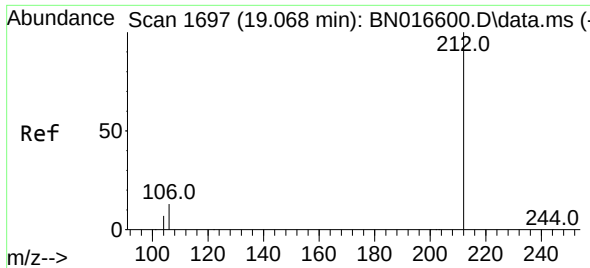
Tgt Ion:178 Resp:18186766
Ion Ratio Lower Upper
178 100
176 20.6 15.0 22.4
179 17.9 12.2 18.4



#26
Anthracene
Concen: 19.717 ng
RT: 17.163 min Scan# 1415
Delta R.T. 0.012 min
Lab File: BN016699.D
Acq: 03 Oct 2021 09:24

Tgt Ion:178 Resp: 7838198
Ion Ratio Lower Upper
178 100
176 18.4 14.6 21.8
179 17.4 12.2 18.4

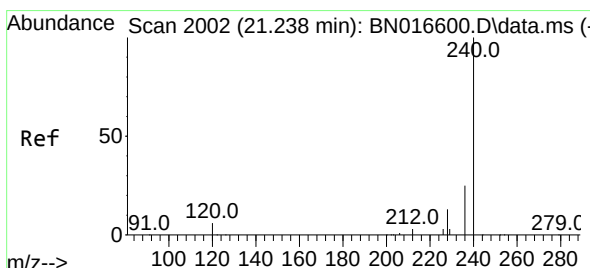
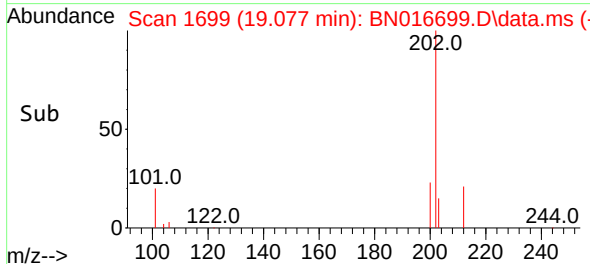
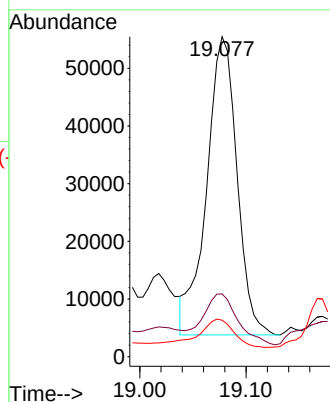
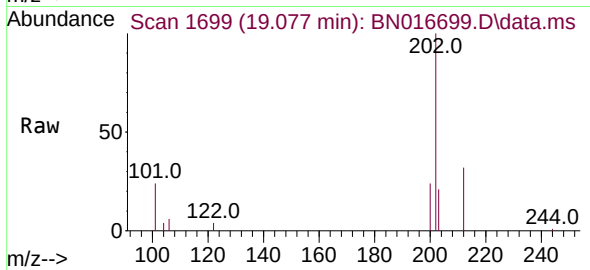




#27
Fluoranthene-d10
Concen: 0.253 ng
RT: 19.077 min Scan# 1699
Delta R.T. 0.010 min
Lab File: BN016699.D
Acq: 03 Oct 2021 09:24

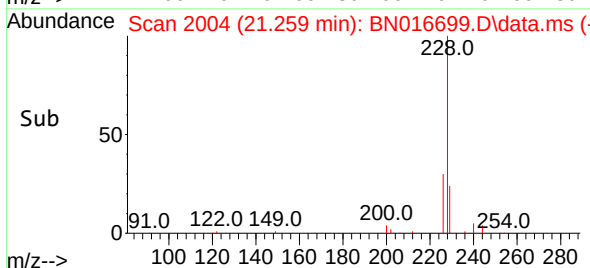
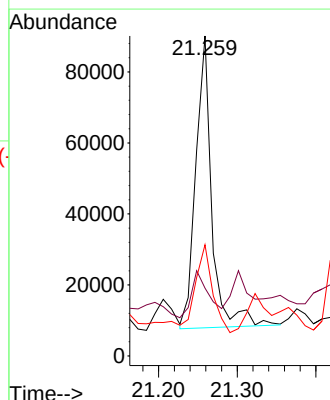
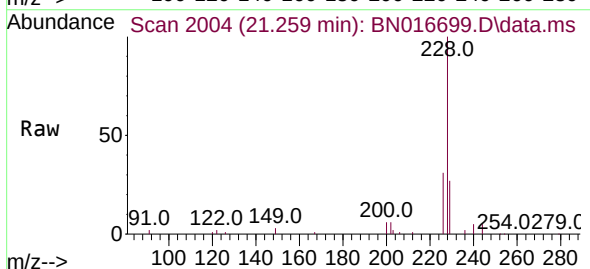
Instrument :
BNA_N
ClientSampled :

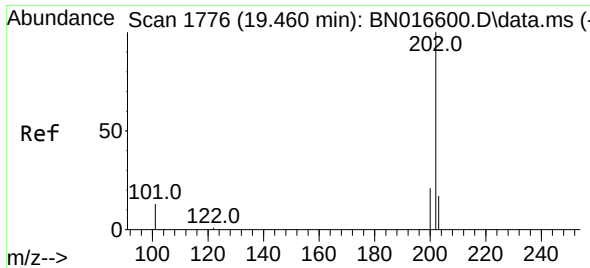
Tgt Ion:212 Resp: 102811
Ion Ratio Lower Upper
212 100
106 19.6 10.6 16.0#
104 11.6 5.9 8.9#



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.259 min Scan# 2004
Delta R.T. 0.021 min
Lab File: BN016699.D
Acq: 03 Oct 2021 09:24

Tgt Ion:240 Resp: 116284
Ion Ratio Lower Upper
240 100
120 21.2 5.0 7.4#
236 34.7 20.4 30.6#

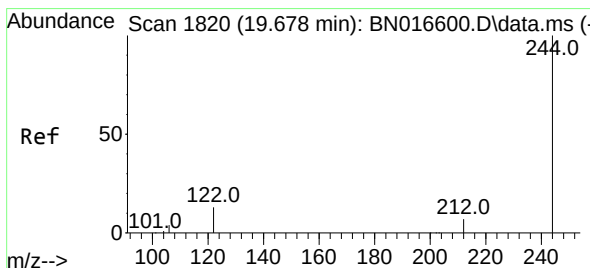
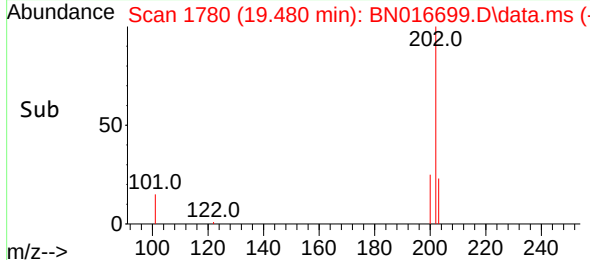
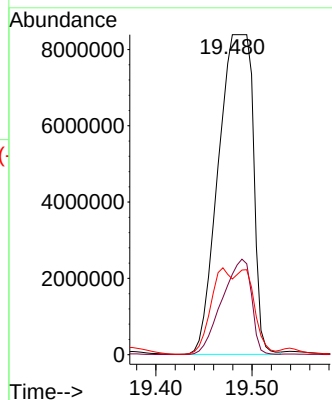
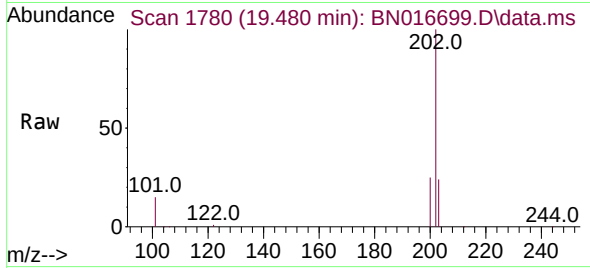




#30
Pyrene
Concen: 55.850 ng
RT: 19.480 min Scan# 1780
Delta R.T. 0.020 min
Lab File: BN016699.D
Acq: 03 Oct 2021 09:24

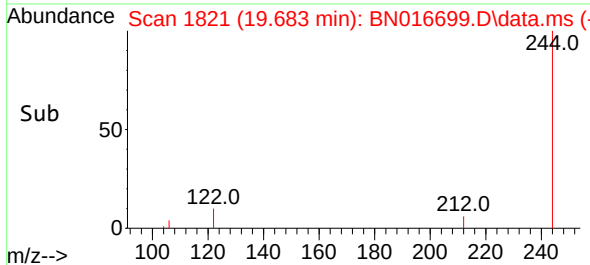
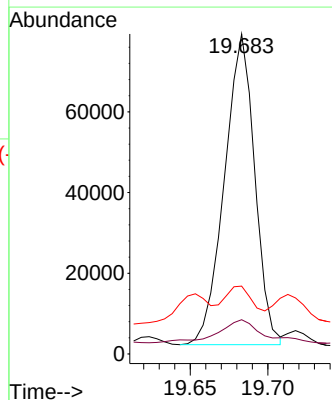
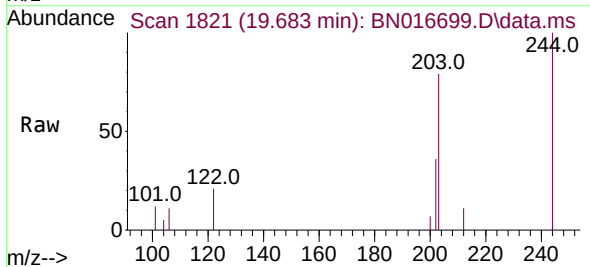
Instrument :
BNA_N
ClientSampleId :

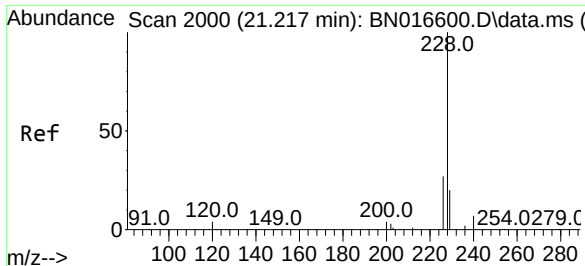
Tgt Ion:202 Resp:21013286
Ion Ratio Lower Upper
202 100
200 25.2 16.5 24.7#
203 16.9 14.0 21.0



#31
Terphenyl-d14
Concen: 0.413 ng
RT: 19.683 min Scan# 1821
Delta R.T. 0.005 min
Lab File: BN016699.D
Acq: 03 Oct 2021 09:24

Tgt Ion:244 Resp: 104420
Ion Ratio Lower Upper
244 100
212 10.7 6.0 9.0#
122 21.2 10.1 15.1#

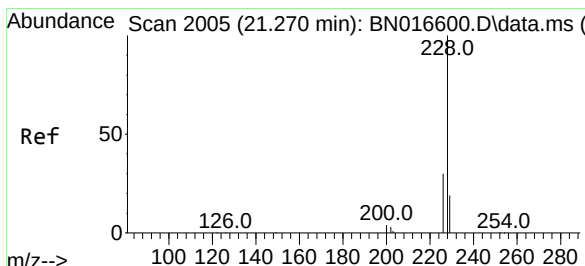
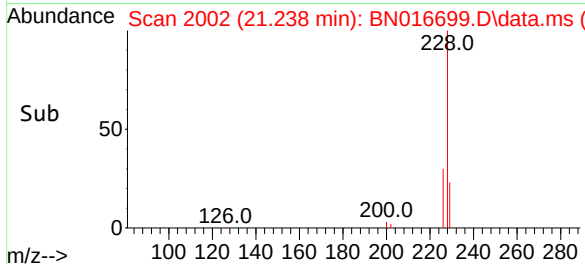
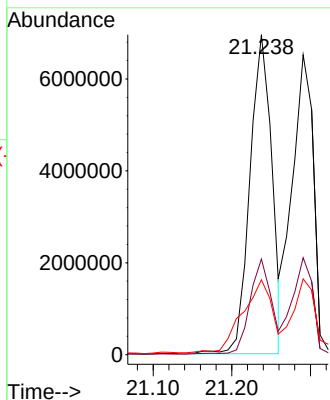
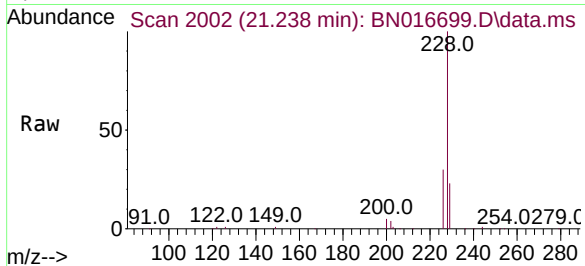




#32
Benzo(a)anthracene
Concen: 37.817 ng
RT: 21.238 min Scan# 2002
Delta R.T. 0.021 min
Lab File: BN016699.D
Acq: 03 Oct 2021 09:24

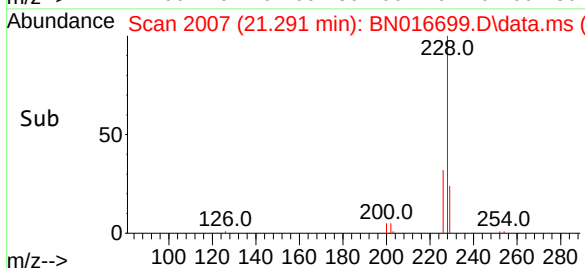
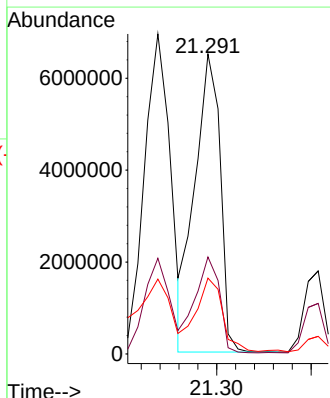
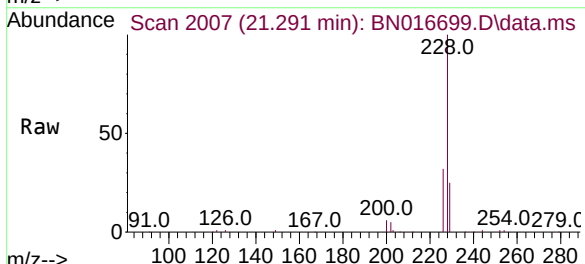
Instrument :
BNA_N
ClientSampleId :

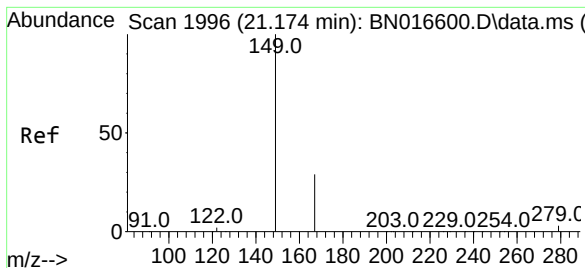
Tgt Ion:228 Resp:13497725
Ion Ratio Lower Upper
228 100
226 29.9 21.9 32.9
229 23.4 15.7 23.5



#33
Chrysene
Concen: 33.466 ng
RT: 21.291 min Scan# 2007
Delta R.T. 0.021 min
Lab File: BN016699.D
Acq: 03 Oct 2021 09:24

Tgt Ion:228 Resp:12094132
Ion Ratio Lower Upper
228 100
226 32.3 23.7 35.5
229 25.3 15.5 23.3#

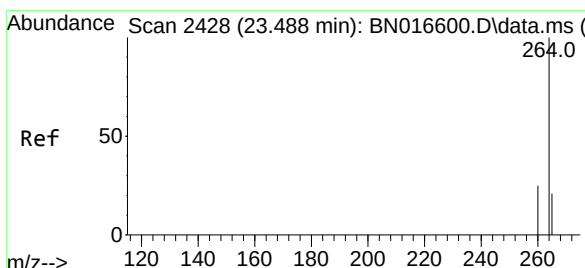
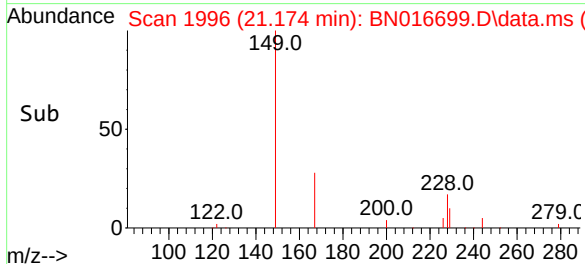
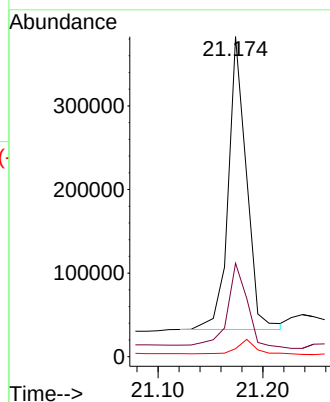
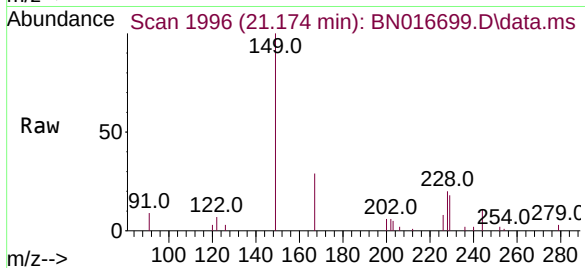




#34
Bis(2-ethylhexyl)phthalate
Concen: 2.961 ng
RT: 21.174 min Scan# 1996
Delta R.T. -0.000 min
Lab File: BN016699.D
Acq: 03 Oct 2021 09:24

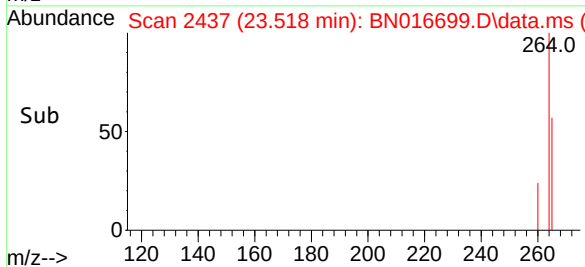
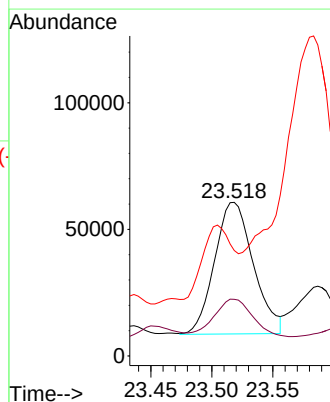
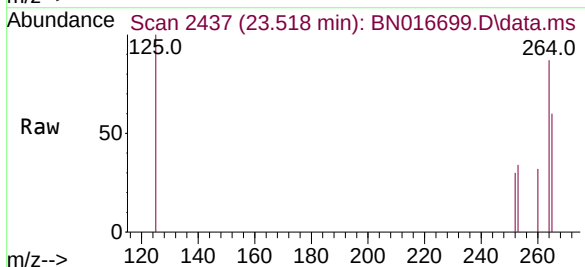
Instrument :
BNA_N
ClientSampleId :

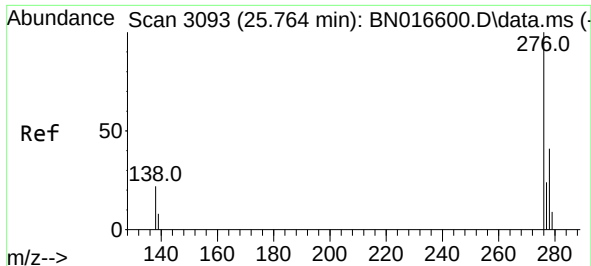
Tgt Ion:149 Resp: 421393
Ion Ratio Lower Upper
149 100
167 33.2 22.2 33.4
279 5.9 3.2 4.8#



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.518 min Scan# 2437
Delta R.T. 0.031 min
Lab File: BN016699.D
Acq: 03 Oct 2021 09:24

Tgt Ion:264 Resp: 115220
Ion Ratio Lower Upper
264 100
260 36.9 19.9 29.9#
265 68.6 19.2 28.8#

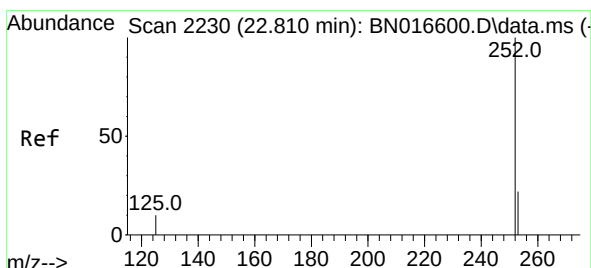
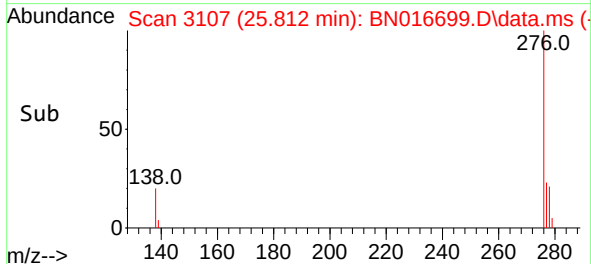
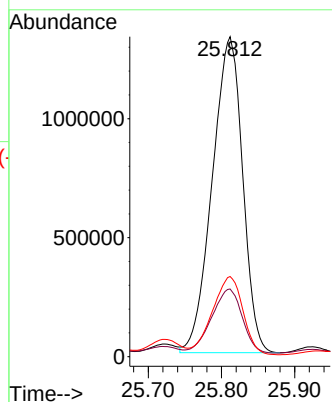
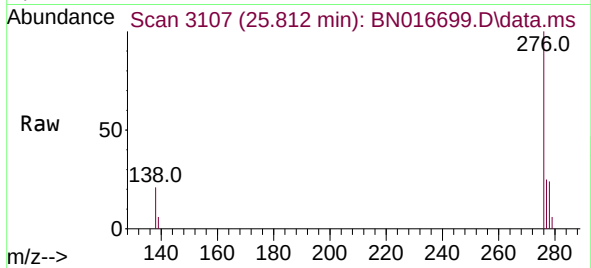




#36
Indeno(1,2,3-cd)pyrene
Concen: 9.310 ng
RT: 25.812 min Scan# 3107
Delta R.T. 0.048 min
Lab File: BN016699.D
Acq: 03 Oct 2021 09:24

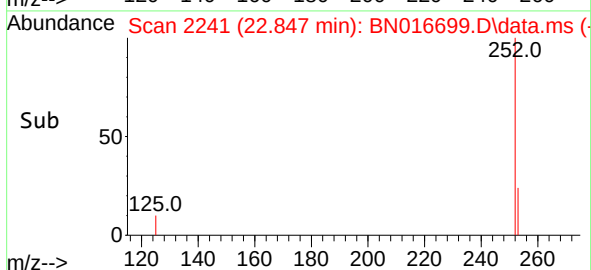
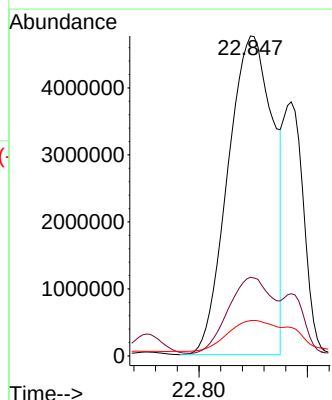
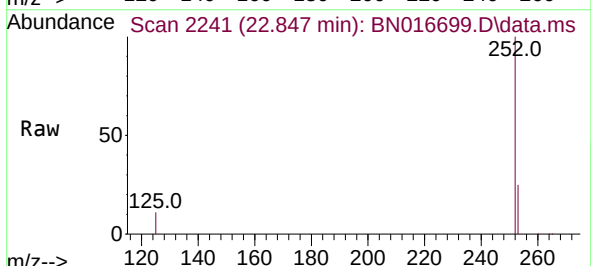
Instrument :
BNA_N
ClientSampleId :

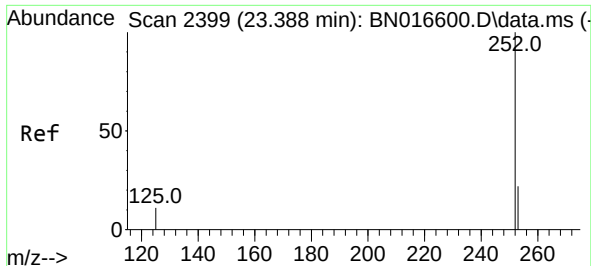
Tgt Ion:276 Resp: 3827462
Ion Ratio Lower Upper
276 100
138 20.4 19.5 29.3
277 24.8 19.9 29.9



#37
Benzo(b)fluoranthene
Concen: 37.229 ng
RT: 22.847 min Scan# 2241
Delta R.T. 0.038 min
Lab File: BN016699.D
Acq: 03 Oct 2021 09:24

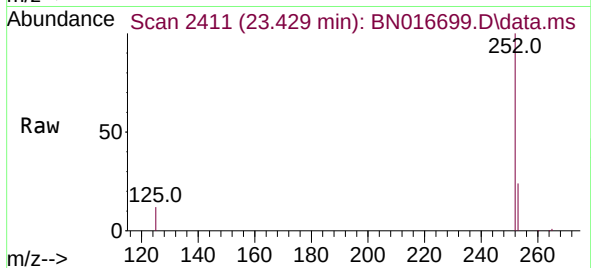
Tgt Ion:252 Resp:13784160
Ion Ratio Lower Upper
252 100
253 24.6 17.8 26.8
125 11.1 8.0 12.0



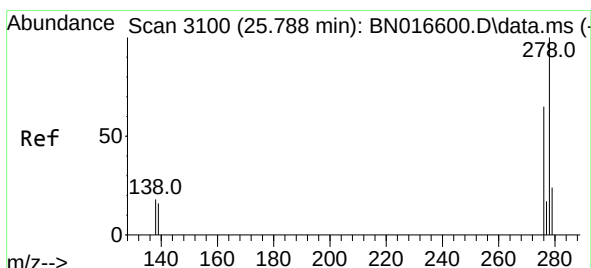
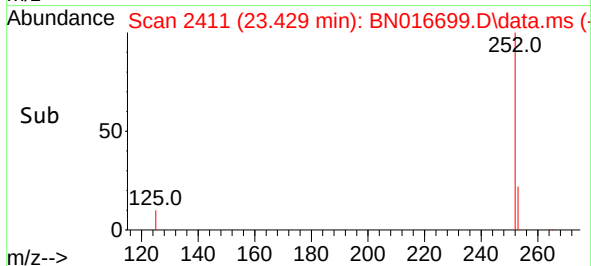
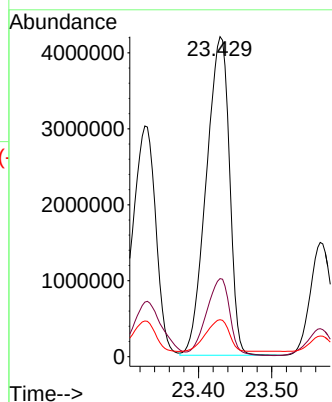


#39
Benzo(a)pyrene
Concen: 27.915 ng
RT: 23.429 min Scan# 2411
Delta R.T. 0.041 min
Lab File: BN016699.D
Acq: 03 Oct 2021 09:24

Instrument :
BNA_N
ClientSampleId :

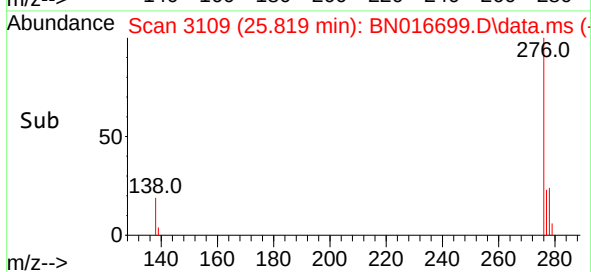
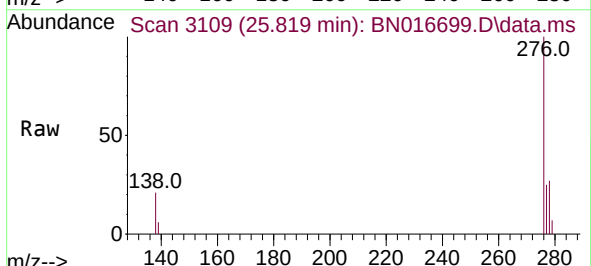
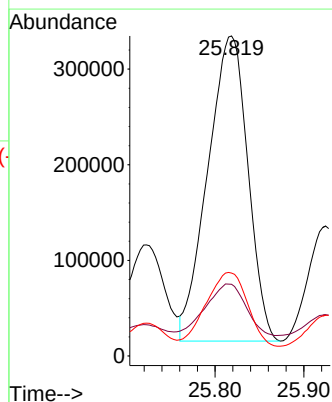


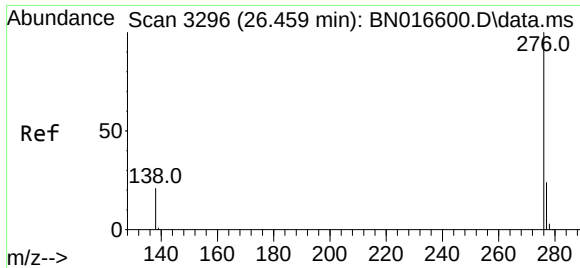
Tgt Ion:252 Resp: 9206277
Ion Ratio Lower Upper
252 100
253 24.4 17.8 26.8
125 11.6 9.0 13.4



#40
Dibenzo(a,h)anthracene
Concen: 3.024 ng
RT: 25.819 min Scan# 3109
Delta R.T. 0.031 min
Lab File: BN016699.D
Acq: 03 Oct 2021 09:24

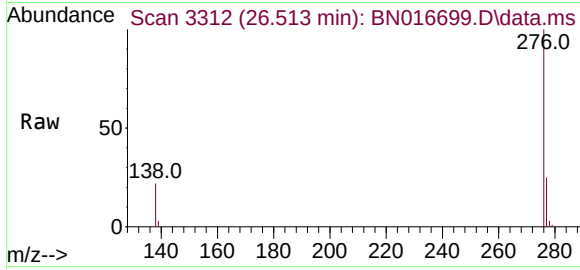
Tgt Ion:278 Resp: 1002935
Ion Ratio Lower Upper
278 100
139 22.4 13.1 19.7#
279 25.9 19.1 28.7





#41
Benzo(g,h,i)perylene
Concen: 9.073 ng
RT: 26.513 min Scan# 3312
Delta R.T. 0.055 min
Lab File: BN016699.D
Acq: 03 Oct 2021 09:24

Instrument :
BNA_N
ClientSampleId :



Tgt Ion:276 Resp: 3298497
Ion Ratio Lower Upper
276 100
277 24.7 19.0 28.6
138 21.6 16.9 25.3

