

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070221\
 Data File : BN015319.D
 Acq On : 03 Jul 2021 06:07
 Operator : CG/JU
 Sample : M2838-18
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RE104D1-20210622

Quant Time: Jul 03 06:38:08 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN063021.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 01 09:06:31 2021
 Response via : Initial Calibration

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

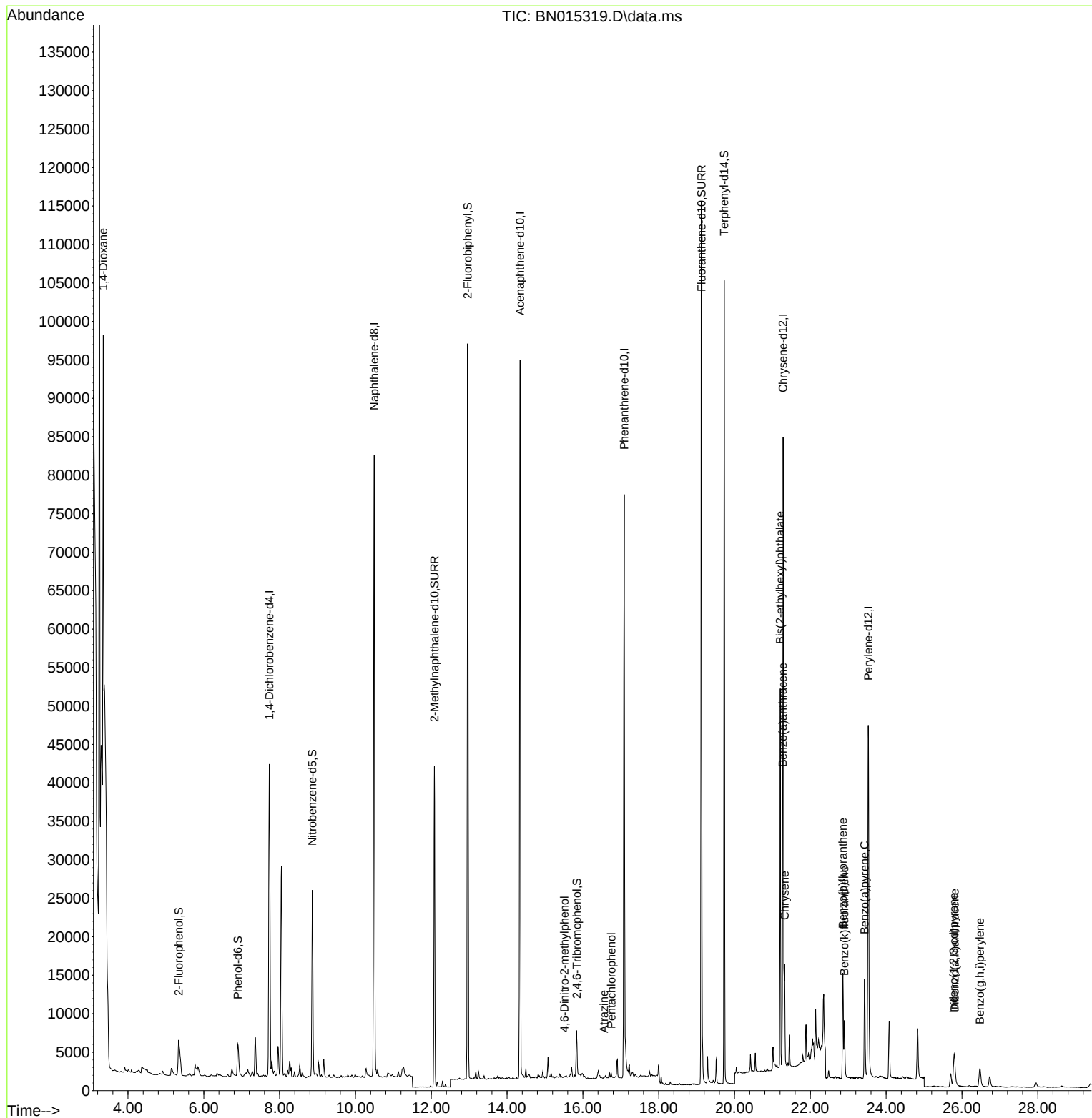
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.725	152	25280	0.40	ng	# 0.00
7) Naphthalene-d8	10.495	136	111392	0.40	ng	# 0.00
13) Acenaphthene-d10	14.345	164	58699	0.40	ng	0.00
19) Phenanthrene-d10	17.091	188	111212	0.40	ng	# 0.00
29) Chrysene-d12	21.281	240	78528	0.40	ng	#-0.02
35) Perylene-d12	23.529	264	63585	0.40	ng	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.337	112	7559	0.12	ng	-0.02
5) Phenol-d6	6.896	99	5282	0.07	ng	0.00
8) Nitrobenzene-d5	8.861	82	21128	0.34	ng	0.00
11) 2-Methylnaphthalene-d10	12.083	152	55784	0.30	ng	0.00
14) 2,4,6-Tribromophenol	15.842	330	5428	0.43	ng	0.00
15) 2-Fluorobiphenyl	12.962	172	79743	0.33	ng	0.00
27) Fluoranthene-d10	19.128	212	132726	0.40	ng	0.00
31) Terphenyl-d14	19.728	244	100644	0.55	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.346	88	44119	3.72	ng	# 1
20) 4,6-Dinitro-2-methylph...	15.512	198	8	0.19	ng	# 1
23) Atrazine	16.555	200	20	0.17	ng	# 13
24) Pentachlorophenol	16.750	266	460	0.28	ng	96
32) Benzo(a)anthracene	21.270	228	10659	0.04	ng	97
33) Chrysene	21.323	228	11268	0.04	ng	98
34) Bis(2-ethylhexyl)phtha...	21.206	149	41270	0.57	ng	# 87
36) Indeno(1,2,3-cd)pyrene	25.785	276	6056	0.03	ng	# 88
37) Benzo(b)fluoranthene	22.858	252	10521	0.04	ng	# 14
38) Benzo(k)fluoranthene	22.899	252	9839	0.04	ng	# 84
39) Benzo(a)pyrene	23.433	252	8833	0.04	ng	# 1
40) Dibenzo(a,h)anthracene	25.805	278	4554	0.03	ng	# 83
41) Benzo(g,h,i)perylene	26.473	276	5791	0.03	ng	# 82

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

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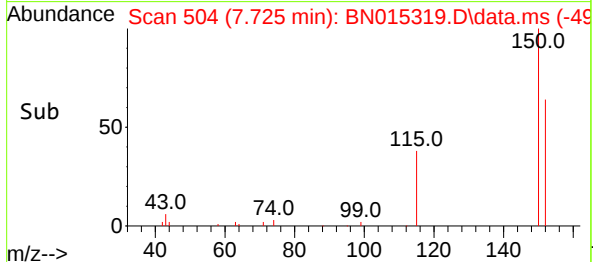
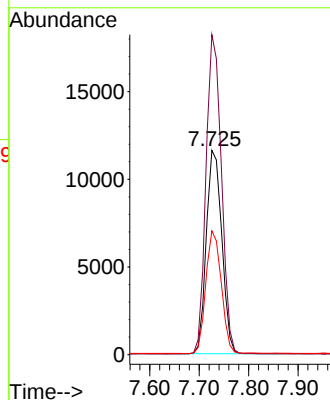
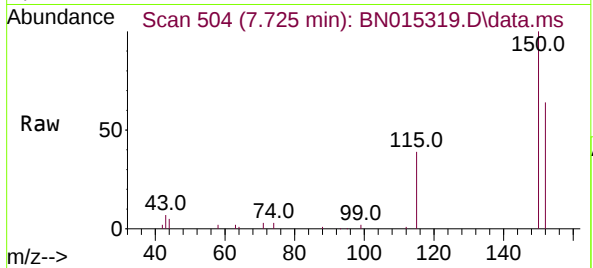




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.40 ng
 RT: 7.725 min Scan# 504
 Delta R.T. -0.007 min
 Lab File: BN015319.D
 Acq: 03 Jul 2021 06:07

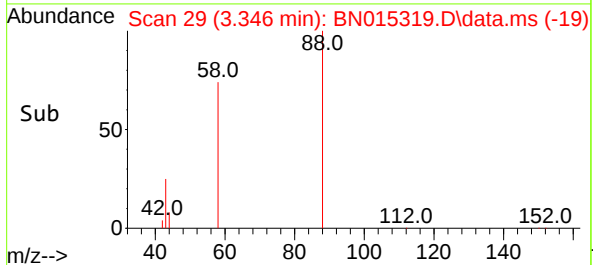
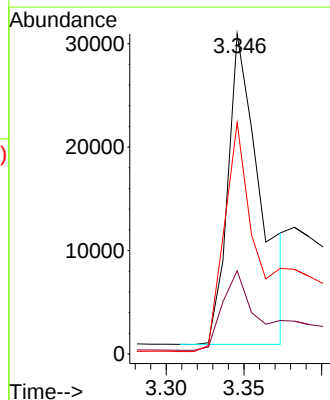
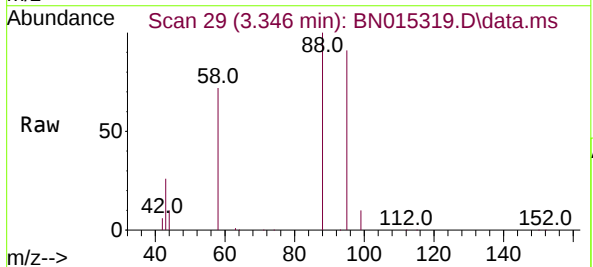
Instrument :
 BNA_N
 ClientSampleId :
 RE104D1-20210622

Tgt Ion: 152 Resp: 25280
 Ion Ratio Lower Upper
 152 100
 150 156.6 119.0 178.6
 115 60.6 62.2 93.4#



#2
 1,4-Dioxane
 Concen: 3.72 ng
 RT: 3.346 min Scan# 29
 Delta R.T. -0.006 min
 Lab File: BN015319.D
 Acq: 03 Jul 2021 06:07

Tgt Ion: 88 Resp: 44119
 Ion Ratio Lower Upper
 88 100
 43 51.2 12.9 19.3#
 58 141.7 38.1 57.1#

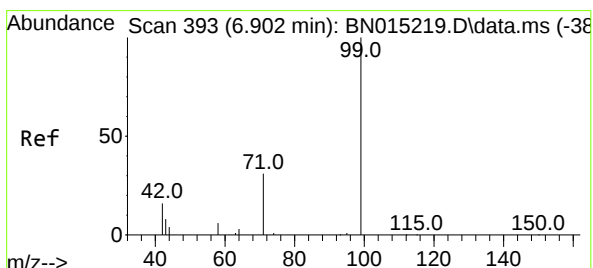
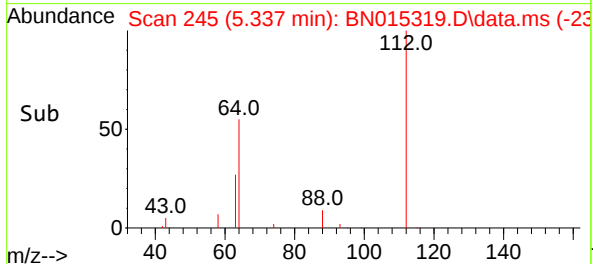
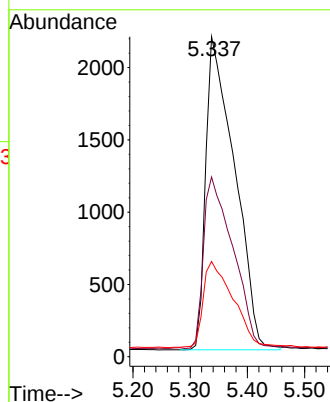
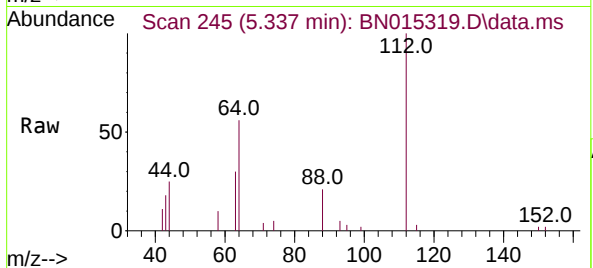




#4
2-Fluorophenol
Concen: 0.12 ng
RT: 5.337 min Scan# 245
Delta R.T. -0.025 min
Lab File: BN015319.D
Acq: 03 Jul 2021 06:07

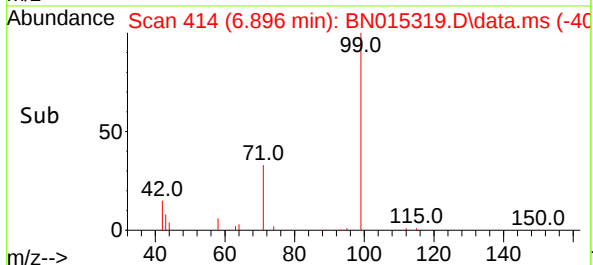
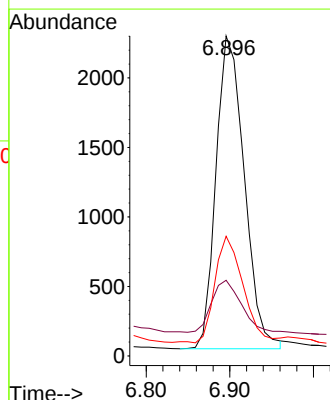
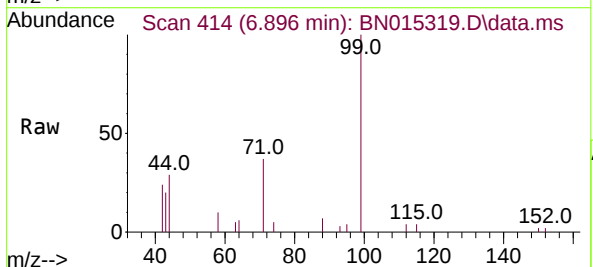
Instrument :
BNA_N
ClientSampleId :
RE104D1-20210622

Tgt Ion:	112	Resp:	7559
Ion	Ratio	Lower	Upper
112	100		
64	56.2	39.0	58.6
63	28.4	20.6	30.8



#5
Phenol-d6
Concen: 0.07 ng
RT: 6.896 min Scan# 414
Delta R.T. -0.006 min
Lab File: BN015319.D
Acq: 03 Jul 2021 06:07

Tgt Ion:	99	Resp:	5282
Ion	Ratio	Lower	Upper
99	100		
42	17.3	8.9	13.3#
71	33.3	35.6	53.4#

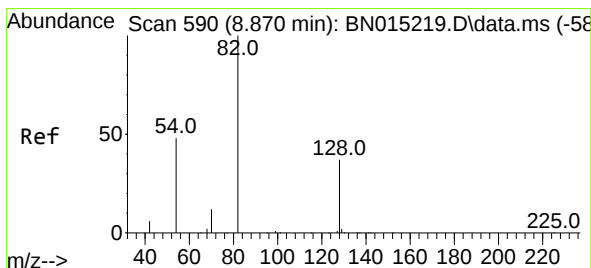
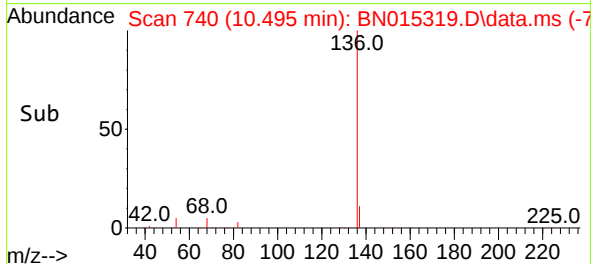
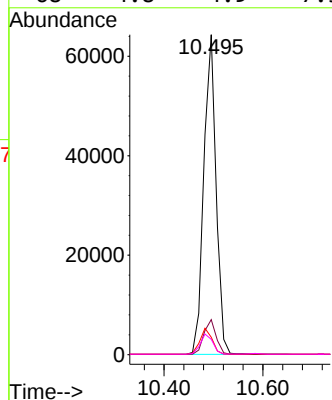
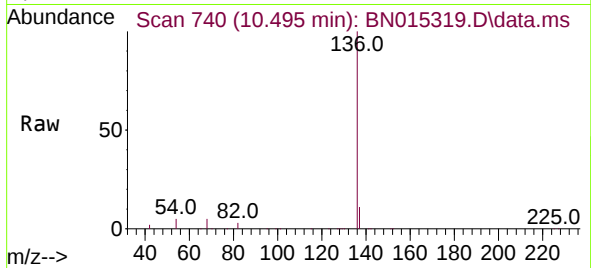




#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.495 min Scan# 740
Delta R.T. 0.003 min
Lab File: BN015319.D
Acq: 03 Jul 2021 06:07

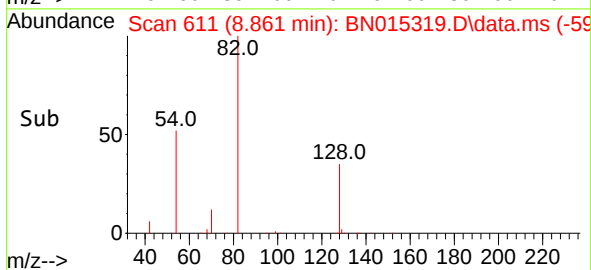
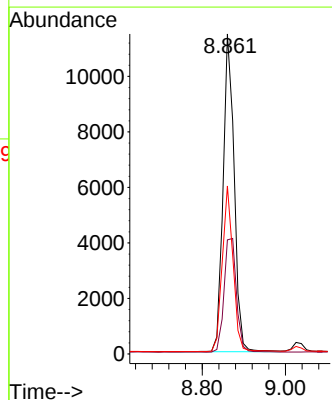
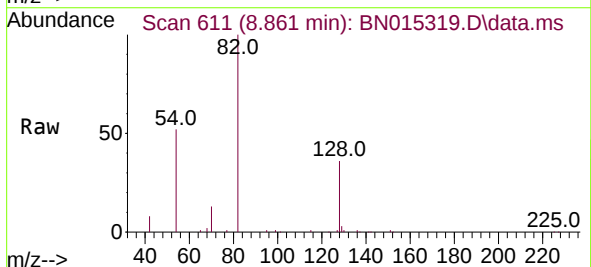
Instrument :
BNA_N
ClientSampleId :
RE104D1-20210622

Tgt Ion:	136	Resp:	111392
Ion Ratio	Lower	Upper	
136	100		
137	11.0	9.8	14.8
54	5.5	5.4	8.2
68	4.8	4.9	7.3



#8
Nitrobenzene-d5
Concen: 0.34 ng
RT: 8.861 min Scan# 611
Delta R.T. -0.009 min
Lab File: BN015319.D
Acq: 03 Jul 2021 06:07

Tgt Ion:	82	Resp:	21128
Ion Ratio	Lower	Upper	
82	100		
128	35.7	31.6	47.4
54	52.5	29.0	43.4

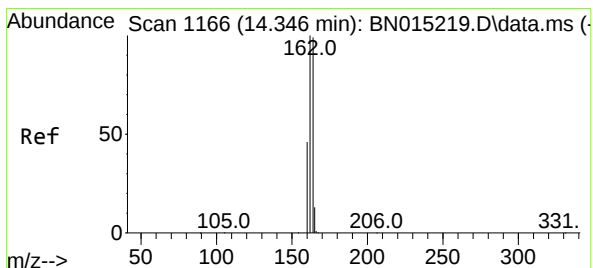
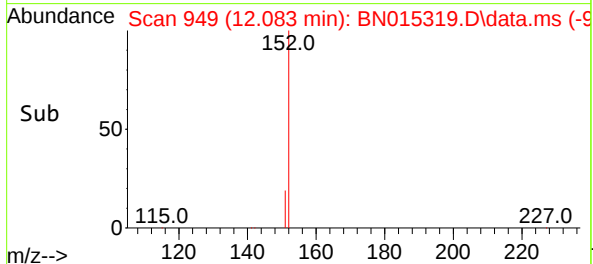
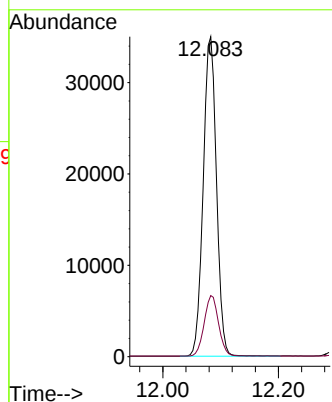
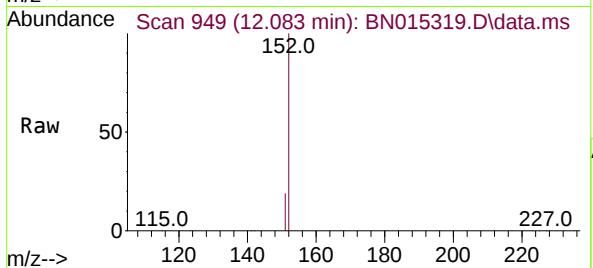




#11
2-Methylnaphthalene-d10
Concen: 0.30 ng
RT: 12.083 min Scan# 949
Delta R.T. -0.005 min
Lab File: BN015319.D
Acq: 03 Jul 2021 06:07

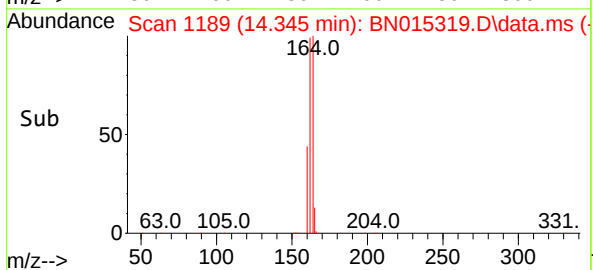
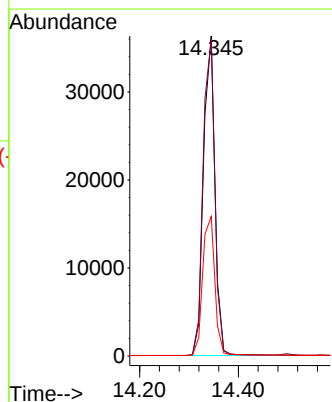
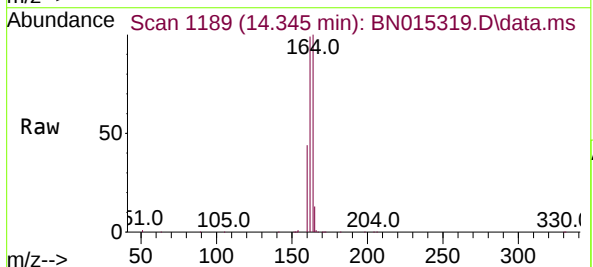
Instrument :
BNA_N
ClientSampleId :
RE104D1-20210622

Tgt Ion:152 Resp: 55784
Ion Ratio Lower Upper
152 100
151 20.5 16.7 25.1



#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.345 min Scan# 1189
Delta R.T. -0.001 min
Lab File: BN015319.D
Acq: 03 Jul 2021 06:07

Tgt Ion:164 Resp: 58699
Ion Ratio Lower Upper
164 100
162 99.0 83.8 125.6
160 43.6 37.4 56.0

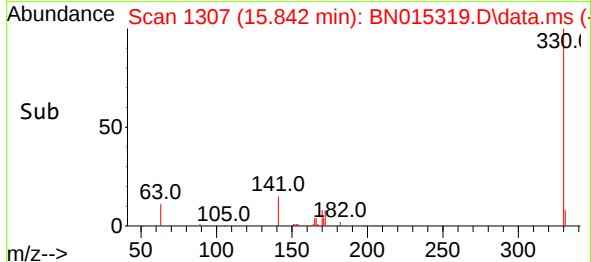
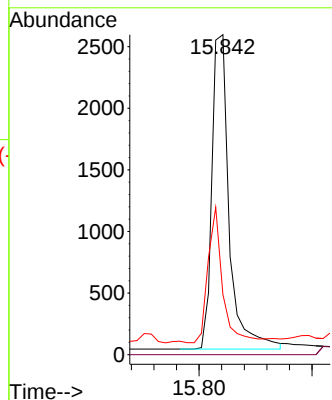
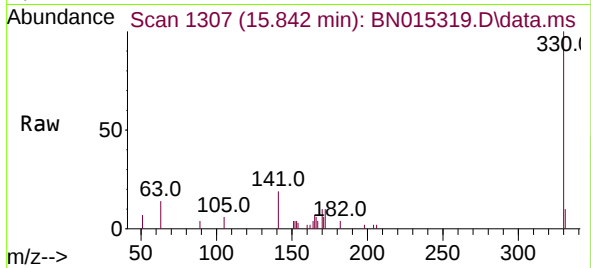




#14
2,4,6-Tribromophenol
Concen: 0.43 ng
RT: 15.842 min Scan# 1307
Delta R.T. -0.001 min
Lab File: BN015319.D
Acq: 03 Jul 2021 06:07

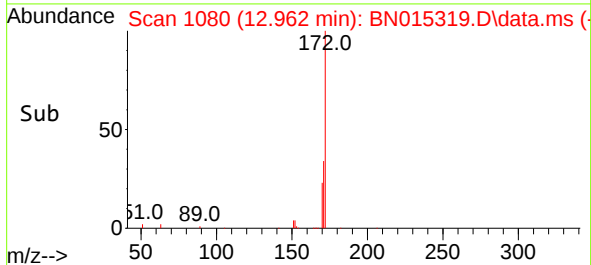
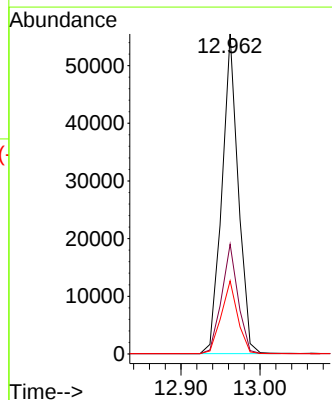
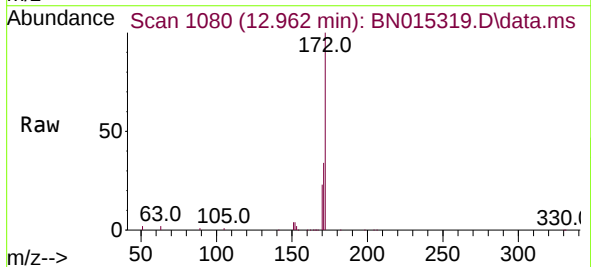
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BNA_N
ClientSampleId :
RE104D1-20210622

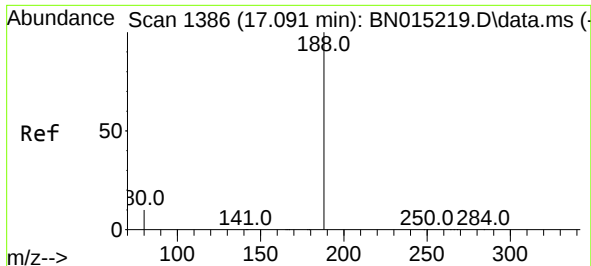
Tgt Ion:330 Resp: 5428
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 36.6 22.4 33.6#



#15
2-Fluorobiphenyl
Concen: 0.33 ng
RT: 12.962 min Scan# 1080
Delta R.T. -0.001 min
Lab File: BN015319.D
Acq: 03 Jul 2021 06:07

Tgt Ion:172 Resp: 79743
Ion Ratio Lower Upper
172 100
171 34.3 30.6 45.8
170 22.8 20.2 30.4

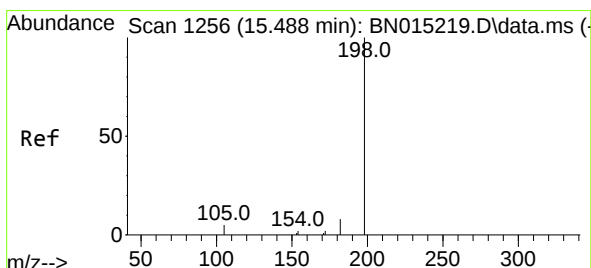
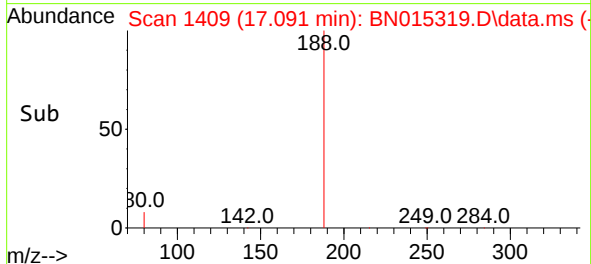
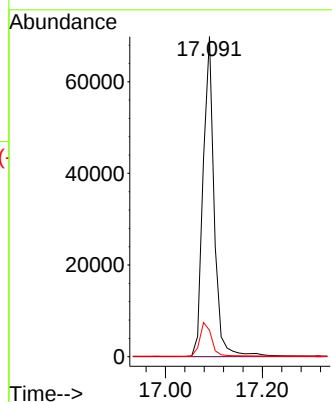
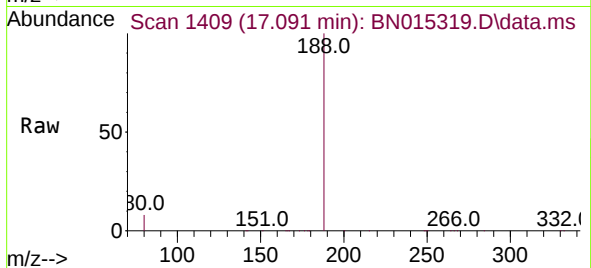




#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.091 min Scan# 1409
Delta R.T. -0.000 min
Lab File: BN015319.D
Acq: 03 Jul 2021 06:07

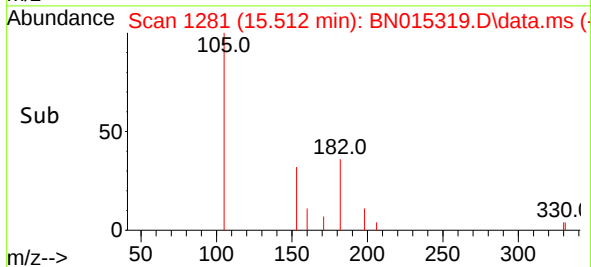
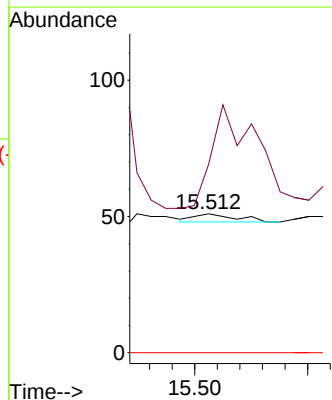
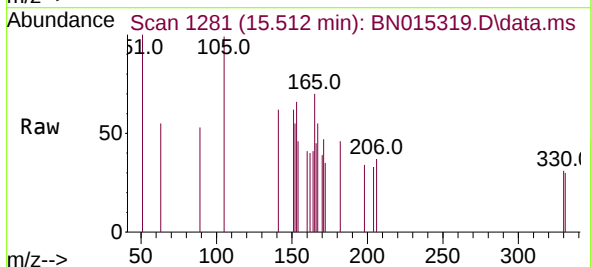
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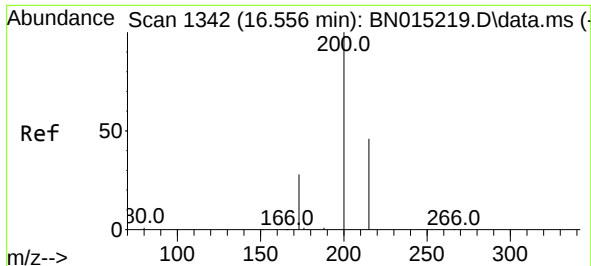
Tgt Ion:188 Resp: 111212
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 8.3 9.0 13.4#



#20
4,6-Dinitro-2-methylphenol
Concen: 0.19 ng
RT: 15.512 min Scan# 1281
Delta R.T. 0.024 min
Lab File: BN015319.D
Acq: 03 Jul 2021 06:07

Tgt Ion:198 Resp: 8
Ion Ratio Lower Upper
198 100
182 135.3 34.5 51.7#
77 0.0 0.0 0.0

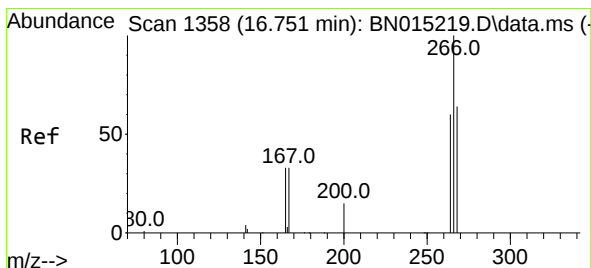
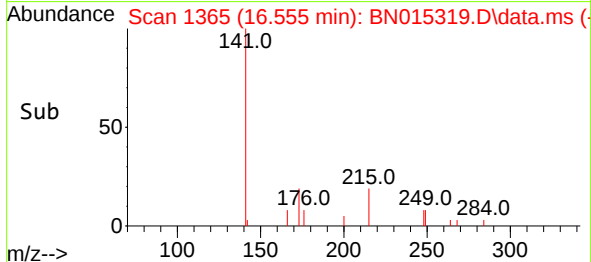
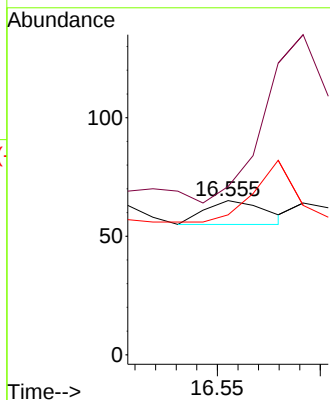
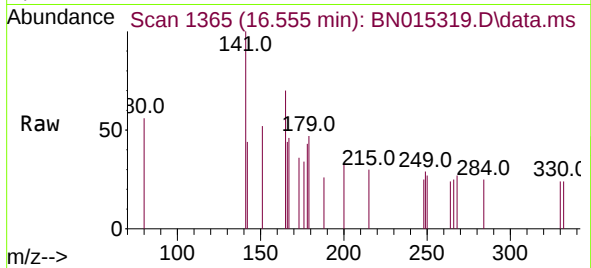




#23
Atrazine
Concen: 0.17 ng
RT: 16.555 min Scan# 1365
Delta R.T. -0.001 min
Lab File: BN015319.D
Acq: 03 Jul 2021 06:07

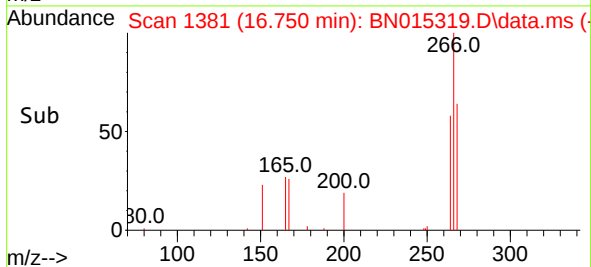
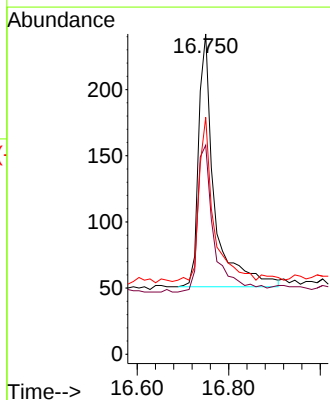
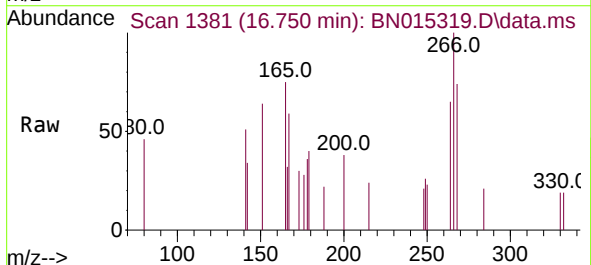
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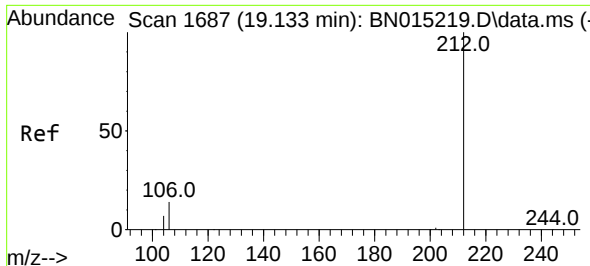
Tgt Ion:200 Resp: 20
Ion Ratio Lower Upper
200 100
173 109.2 21.7 32.5#
215 90.8 43.1 64.7#



#24
Pentachlorophenol
Concen: 0.28 ng
RT: 16.750 min Scan# 1381
Delta R.T. -0.001 min
Lab File: BN015319.D
Acq: 03 Jul 2021 06:07

Tgt Ion:266 Resp: 460
Ion Ratio Lower Upper
266 100
264 60.9 51.0 76.4
268 59.6 50.6 76.0

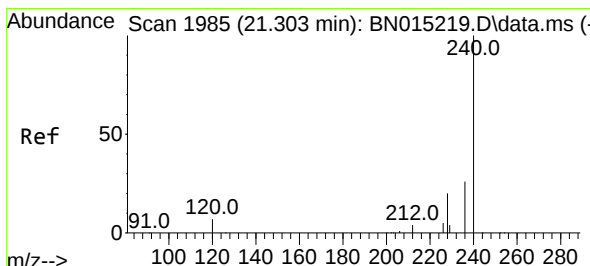
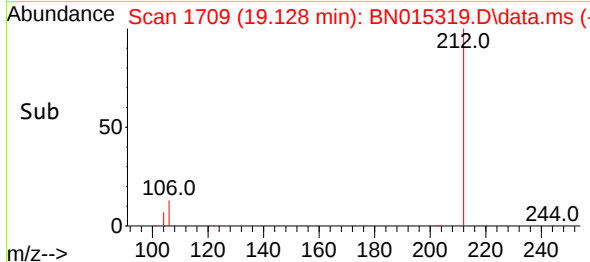
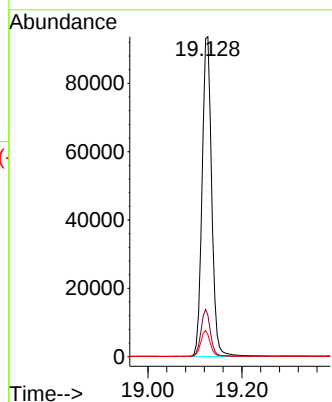
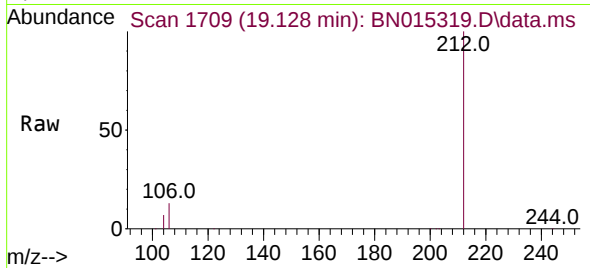




#27
Fluoranthene-d10
Concen: 0.40 ng
RT: 19.128 min Scan# 1709
Delta R.T. -0.005 min
Lab File: BN015319.D
Acq: 03 Jul 2021 06:07

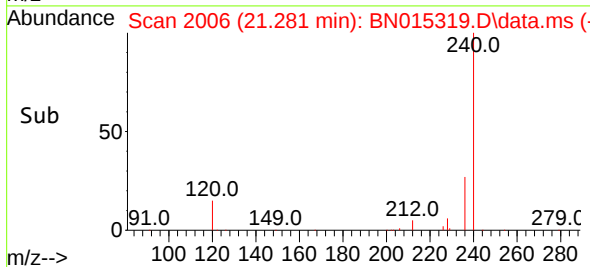
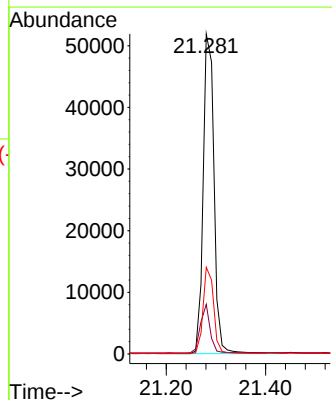
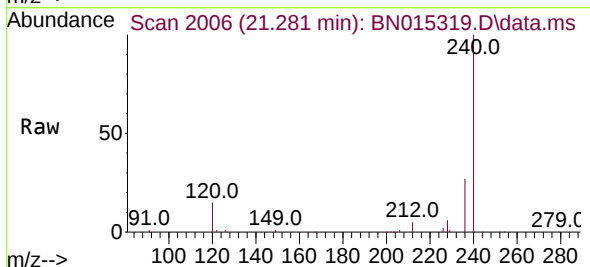
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ClientSampleId :
RE104D1-20210622

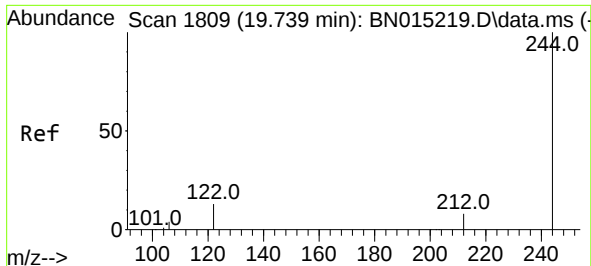
Tgt Ion:212 Resp: 132726
Ion Ratio Lower Upper
212 100
106 14.3 7.0 10.6#
104 7.9 4.1 6.1#



#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.281 min Scan# 2006
Delta R.T. -0.022 min
Lab File: BN015319.D
Acq: 03 Jul 2021 06:07

Tgt Ion:240 Resp: 78528
Ion Ratio Lower Upper
240 100
120 15.5 4.2 6.4#
236 27.1 21.4 32.2

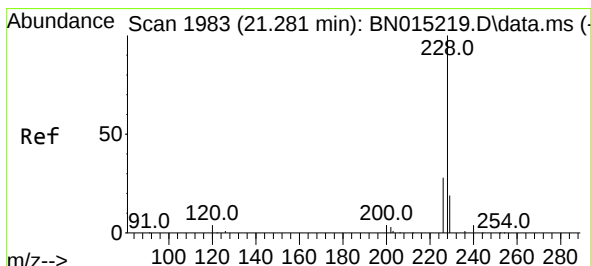
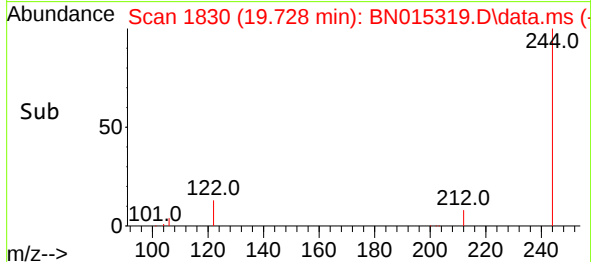
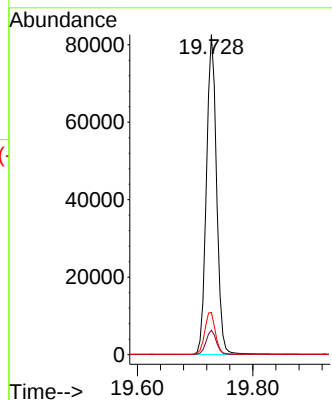
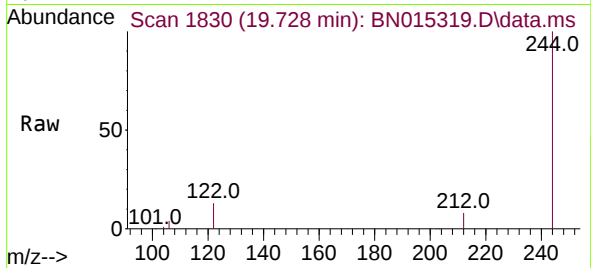




#31
Terphenyl-d14
Concen: 0.55 ng
RT: 19.728 min Scan# 1830
Delta R.T. -0.011 min
Lab File: BN015319.D
Acq: 03 Jul 2021 06:07

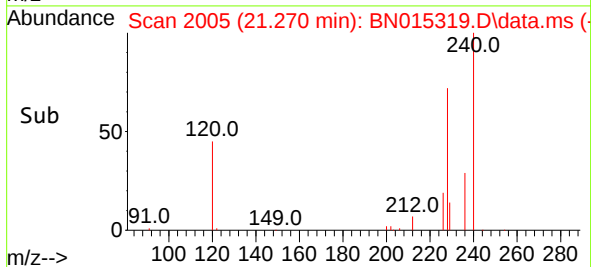
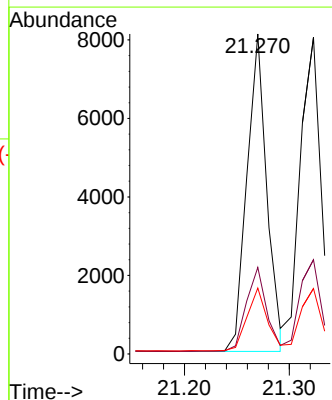
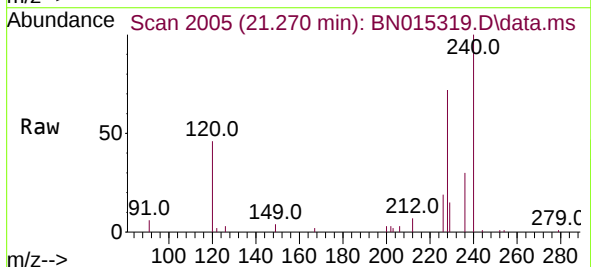
Instrument :
BNA_N
ClientSampleId :
RE104D1-20210622

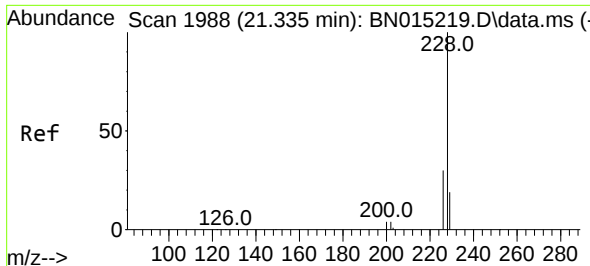
Tgt Ion:244 Resp: 100644
Ion Ratio Lower Upper
244 100
212 7.6 6.3 9.5
122 13.2 6.2 9.2#



#32
Benzo(a)anthracene
Concen: 0.04 ng
RT: 21.270 min Scan# 2005
Delta R.T. -0.011 min
Lab File: BN015319.D
Acq: 03 Jul 2021 06:07

Tgt Ion:228 Resp: 10659
Ion Ratio Lower Upper
228 100
226 27.1 23.0 34.6
229 20.6 15.7 23.5

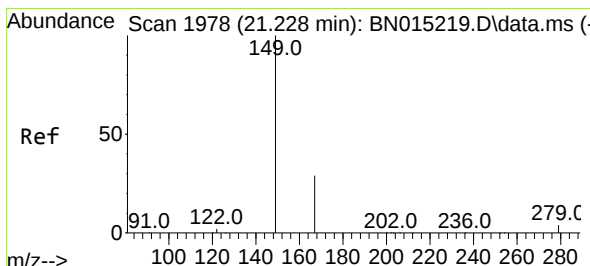
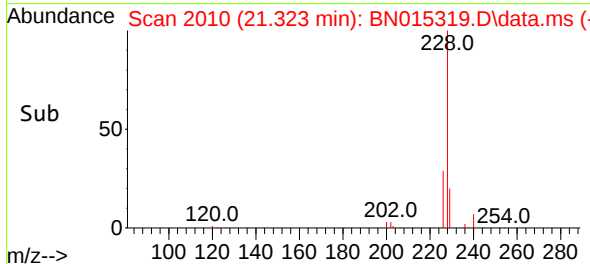
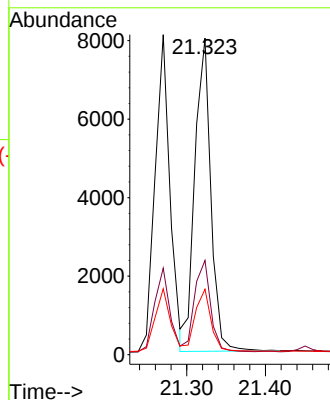
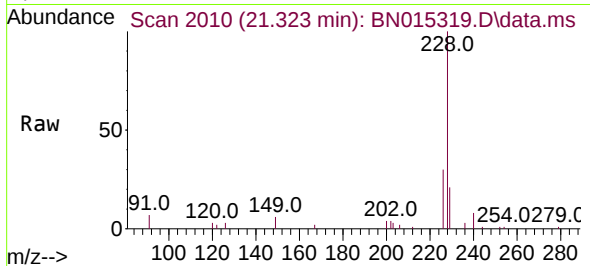




#33
Chrysene
Concen: 0.04 ng
RT: 21.323 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BN015319.D
Acq: 03 Jul 2021 06:07

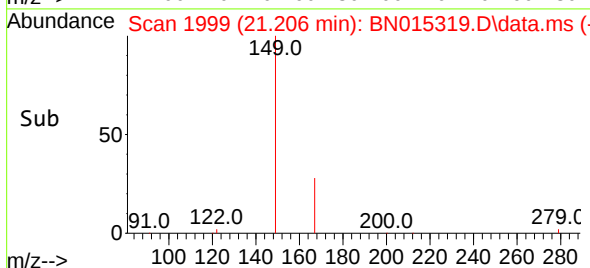
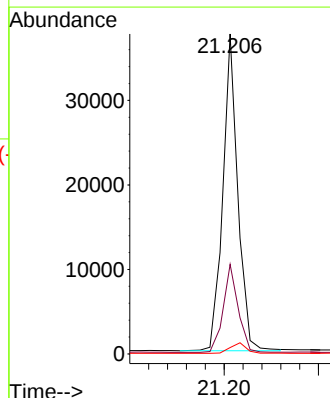
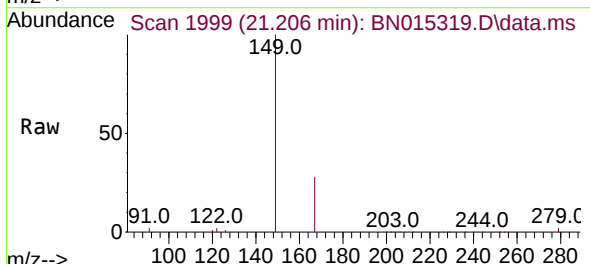
Instrument :
BNA_N
ClientSampleId :
RE104D1-20210622

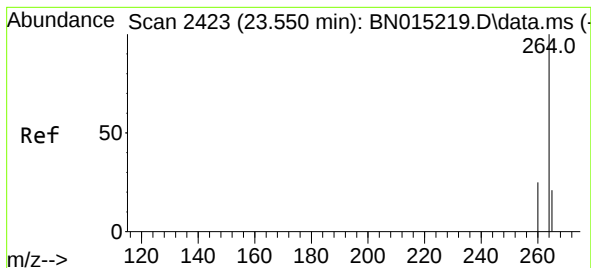
Tgt Ion:	228	Resp:	11268
Ion Ratio	Lower	Upper	
228	100		
226	29.8	25.0	37.6
229	20.7	15.9	23.9



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.57 ng
RT: 21.206 min Scan# 1999
Delta R.T. -0.022 min
Lab File: BN015319.D
Acq: 03 Jul 2021 06:07

Tgt Ion:	149	Resp:	41270
Ion Ratio	Lower	Upper	
149	100		
167	27.7	28.9	43.3#
279	3.6	4.9	7.3#





#35

Perylene-d12

Concen: 0.40 ng

RT: 23.529 min Scan# 2440

Delta R.T. -0.021 min

Lab File: BN015319.D

Acq: 03 Jul 2021 06:07

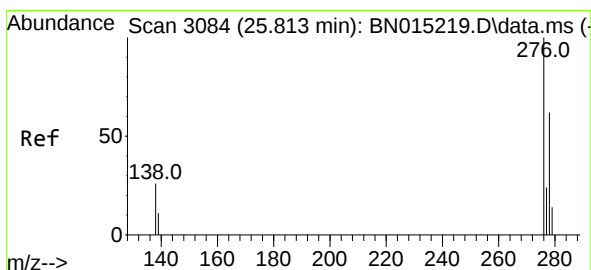
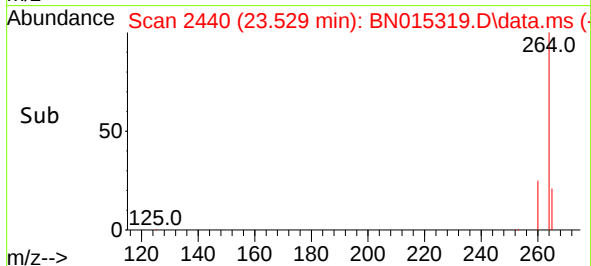
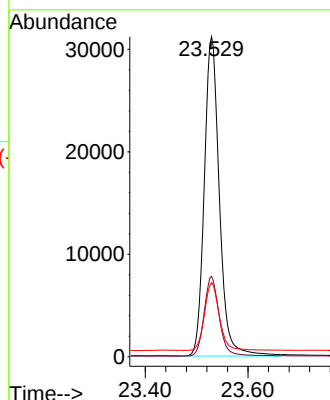
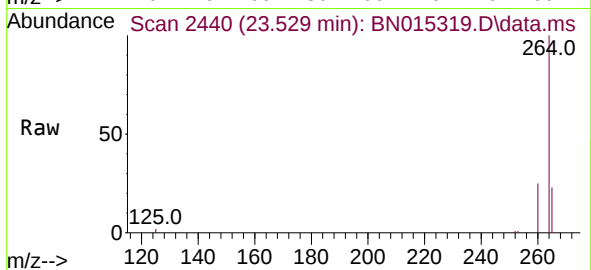
Tgt Ion:264 Resp: 63585

Ion Ratio Lower Upper

264 100

260 25.1 20.6 31.0

265 23.2 21.4 32.2



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.03 ng

RT: 25.785 min Scan# 3099

Delta R.T. -0.028 min

Lab File: BN015319.D

Acq: 03 Jul 2021 06:07

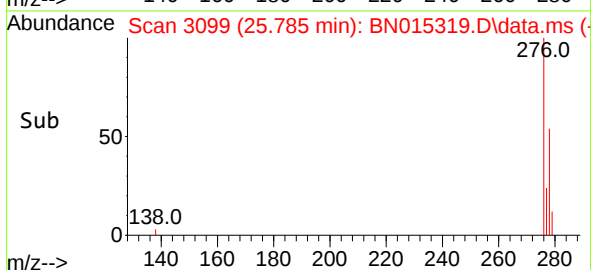
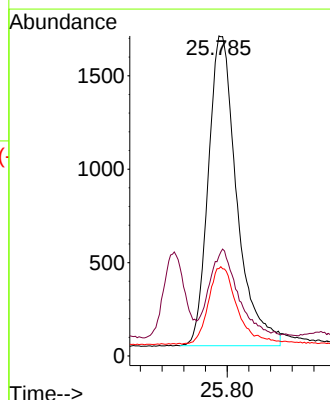
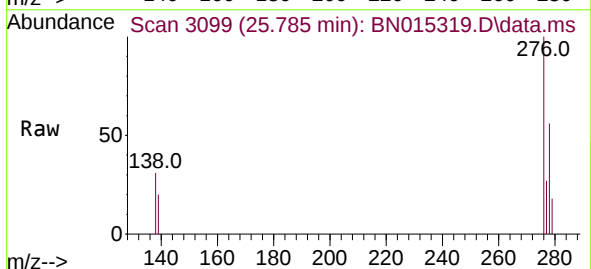
Tgt Ion:276 Resp: 6056

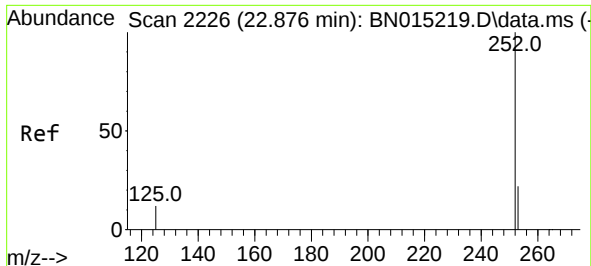
Ion Ratio Lower Upper

276 100

138 25.8 10.0 15.0#

277 25.0 20.4 30.6

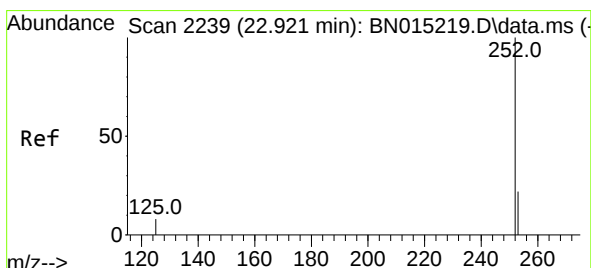
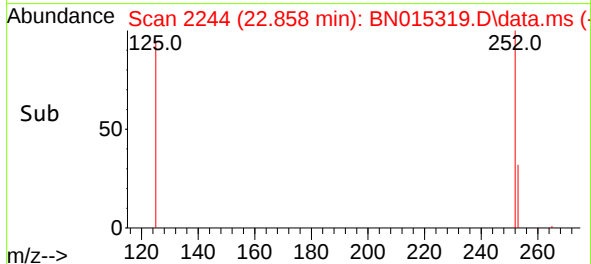
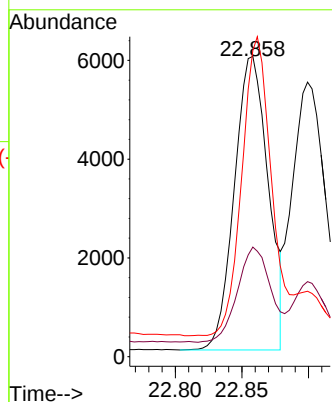
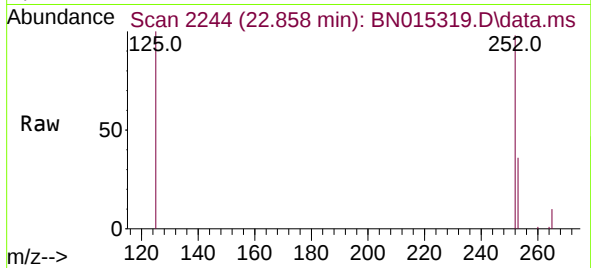




#37
Benzo(b)fluoranthene
Concen: 0.04 ng
RT: 22.858 min Scan# 2244
Delta R.T. -0.018 min
Lab File: BN015319.D
Acq: 03 Jul 2021 06:07

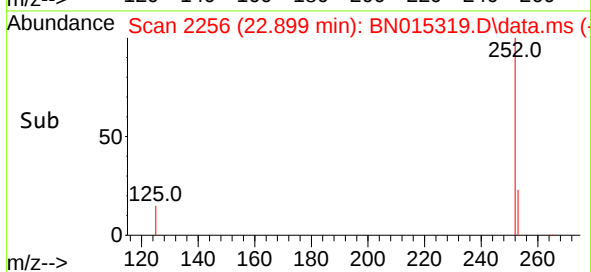
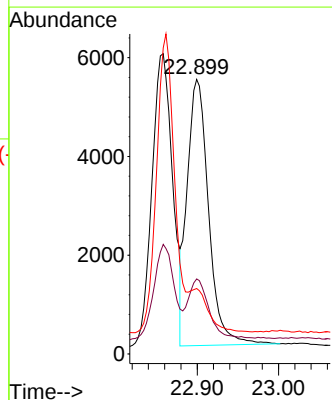
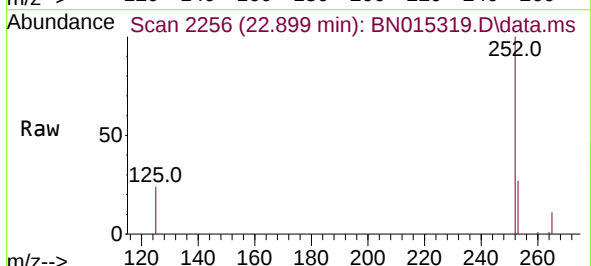
Instrument :
BNA_N
ClientSampleId :
RE104D1-20210622

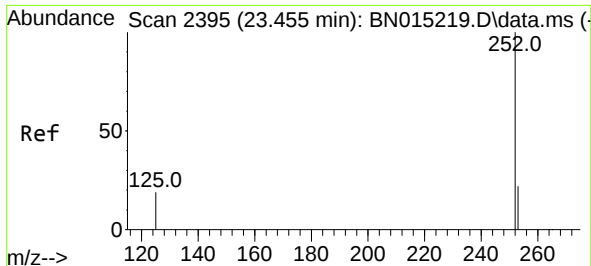
Tgt Ion:252 Resp: 10521
Ion Ratio Lower Upper
252 100
253 36.5 18.5 27.7#
125 101.9 5.8 8.6#



#38
Benzo(k)fluoranthene
Concen: 0.04 ng
RT: 22.899 min Scan# 2256
Delta R.T. -0.021 min
Lab File: BN015319.D
Acq: 03 Jul 2021 06:07

Tgt Ion:252 Resp: 9839
Ion Ratio Lower Upper
252 100
253 27.3 19.1 28.7
125 23.8 5.4 8.0#





#39

Benzo(a)pyrene

Concen: 0.04 ng

RT: 23.433 min Scan# 2412

Delta R.T. -0.021 min

Lab File: BN015319.D

Acq: 03 Jul 2021 06:07

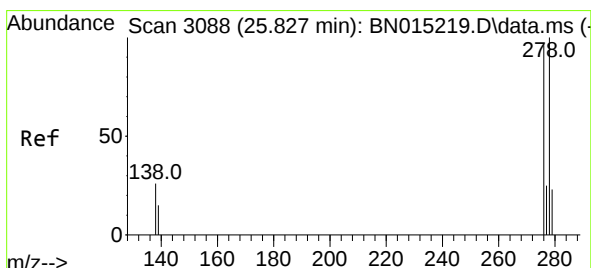
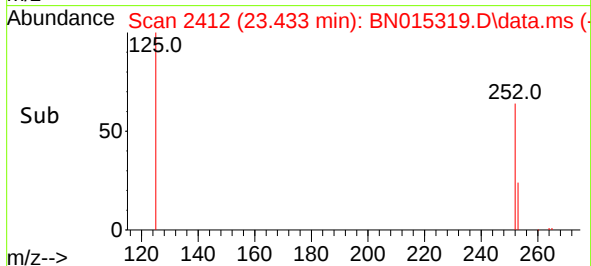
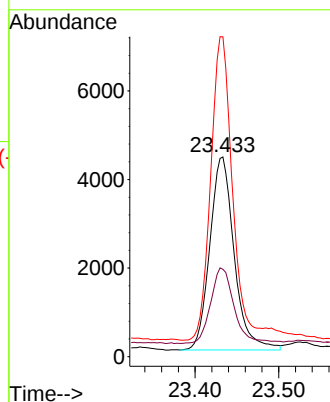
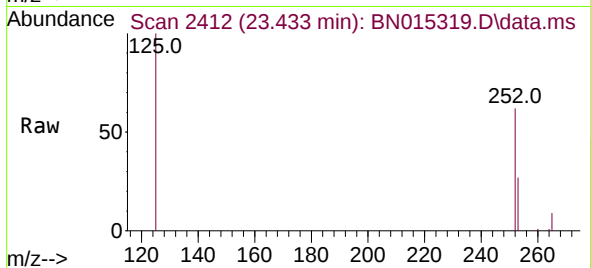
Tgt Ion:	252	Resp:	8833
Ion Ratio	Lower	Upper	
252	100		
253	43.8	19.4	29.2#
125	160.2	7.4	11.2#

Instrument :

BNA_N

ClientSampleId :

RE104D1-20210622



#40

Dibenzo(a,h)anthracene

Concen: 0.03 ng

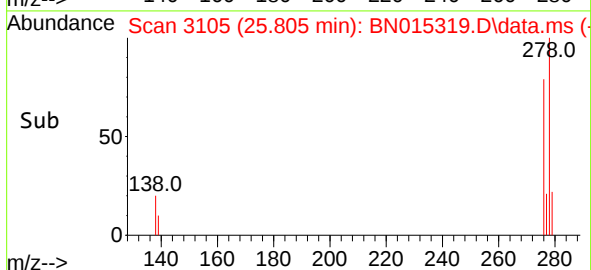
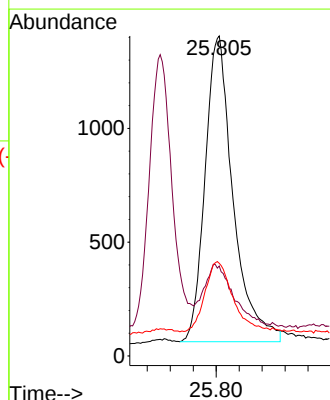
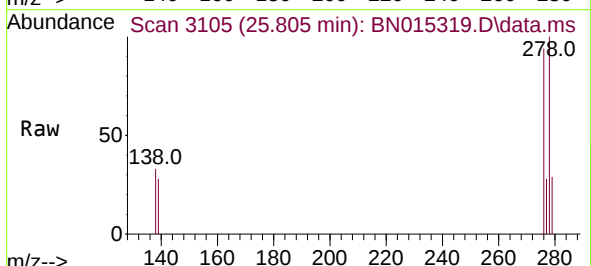
RT: 25.805 min Scan# 3105

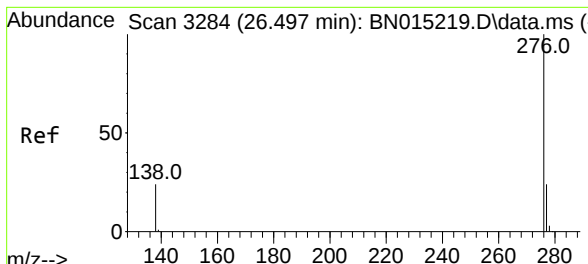
Delta R.T. -0.021 min

Lab File: BN015319.D

Acq: 03 Jul 2021 06:07

Tgt Ion:	278	Resp:	4554
Ion Ratio	Lower	Upper	
278	100		
139	28.1	9.0	13.4#
279	28.9	21.0	31.4





#41
 Benzo(g,h,i)perylene
 Concen: 0.03 ng
 RT: 26.473 min Scan# 3300
 Delta R.T. -0.025 min
 Lab File: BN015319.D
 Acq: 03 Jul 2021 06:07

Instrument :
 BNA_N
 ClientSampleId :
 RE104D1-20210622

Tgt Ion:	276	Resp:	5791
Ion Ratio	Lower	Upper	
276	100		
277	26.7	19.7	29.5
138	30.6	9.8	14.6#

