

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070621\
 Data File : BN015356.D
 Acq On : 07 Jul 2021 03:03
 Operator : CG/JU
 Sample : M2907-04
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-13A-063021

Quant Time: Jul 07 06:09:11 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

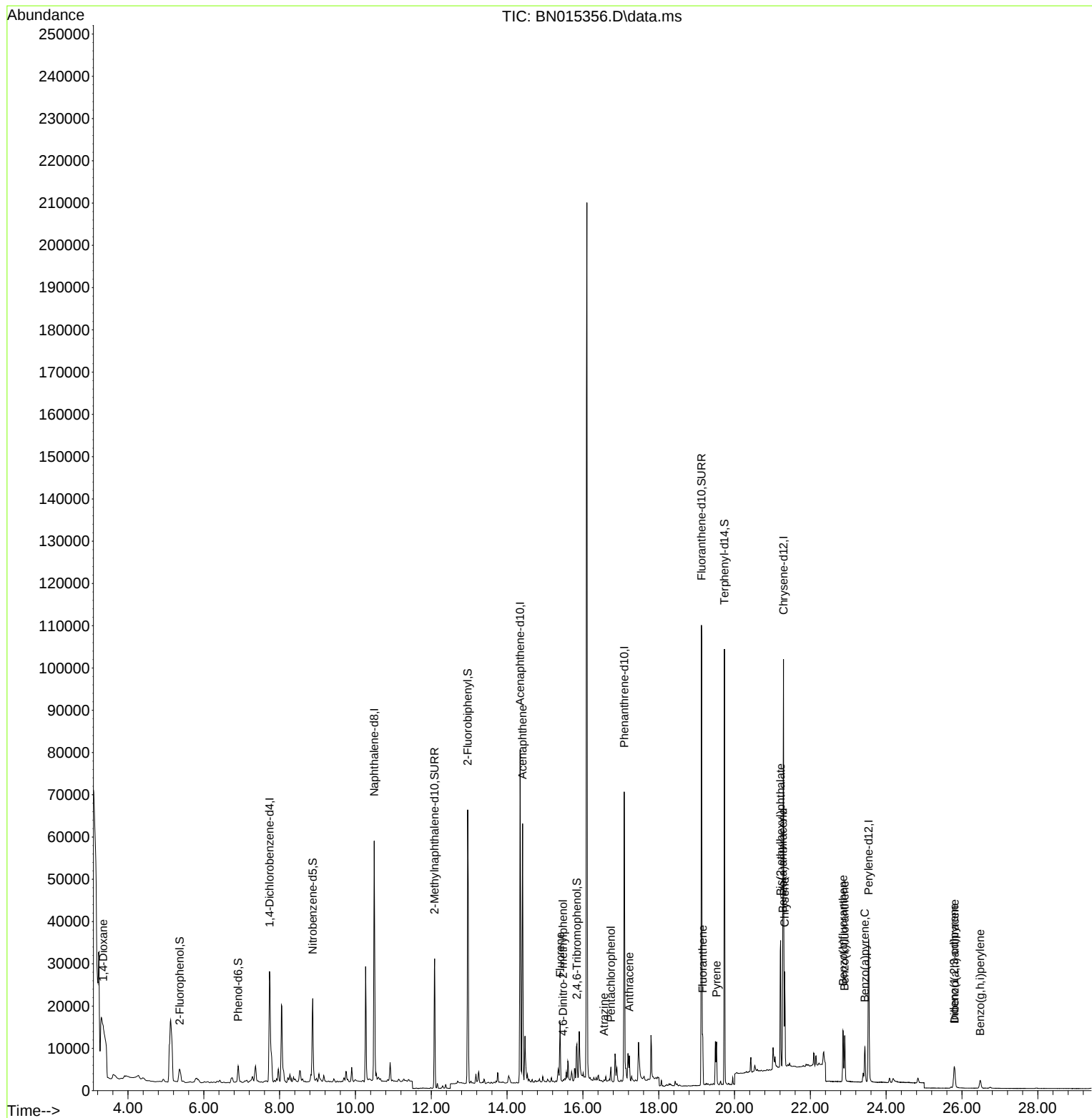
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.735	152	15890	0.40	ng	# 0.00
7) Naphthalene-d8	10.496	136	74385	0.40	ng	0.00
13) Acenaphthene-d10	14.345	164	42853	0.40	ng	0.00
19) Phenanthrene-d10	17.091	188	88370	0.40	ng	0.00
29) Chrysene-d12	21.291	240	81659	0.40	ng	#-0.01
35) Perylene-d12	23.539	264	44913	0.40	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.365	112	6020	0.15	ng	0.00
5) Phenol-d6	6.905	99	4580	0.09	ng	0.00
8) Nitrobenzene-d5	8.873	82	16932	0.41	ng	0.00
11) 2-Methylnaphthalene-d10	12.087	152	40438	0.33	ng	0.00
14) 2,4,6-Tribromophenol	15.842	330	7119	0.61	ng	0.00
15) 2-Fluorobiphenyl	12.962	172	57796	0.33	ng	0.00
27) Fluoranthene-d10	19.128	212	120202	0.46	ng	0.00
31) Terphenyl-d14	19.733	244	98381	0.51	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.346	88	167	0.02	ng	# 18
17) Acenaphthene	14.408	154	29167	0.22	ng	99
18) Fluorene	15.398	166	8264	0.05	ng	98
20) 4,6-Dinitro-2-methylph...	15.474	198	254	0.35	ng	89
23) Atrazine	16.555	200	242	0.18	ng	# 74
24) Pentachlorophenol	16.738	266	2591	0.48	ng	# 46
26) Anthracene	17.225	178	5507	0.02	ng	99
28) Fluoranthene	19.162	202	10025	0.03	ng	# 95
30) Pyrene	19.525	202	8839	0.03	ng	97
32) Benzo(a)anthracene	21.270	228	18354	0.07	ng	98
33) Chrysene	21.323	228	17851	0.06	ng	99
34) Bis(2-ethylhexyl)phtha...	21.217	149	31115	0.46	ng	# 87
36) Indeno(1,2,3-cd)pyrene	25.792	276	5812	0.04	ng	# 89
37) Benzo(b)fluoranthene	22.862	252	14438	0.08	ng	# 84
38) Benzo(k)fluoranthene	22.906	252	13824	0.07	ng	# 90
39) Benzo(a)pyrene	23.437	252	10229	0.06	ng	# 70
40) Dibenzo(a,h)anthracene	25.805	278	5117	0.04	ng	# 85
41) Benzo(g,h,i)perylene	26.480	276	3879	0.03	ng	# 80

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

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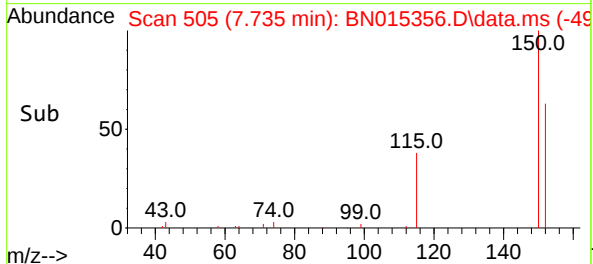
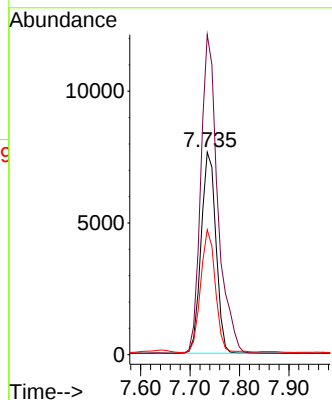
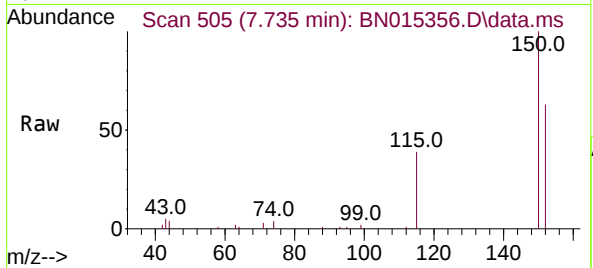




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.40 ng
 RT: 7.735 min Scan# 505
 Delta R.T. 0.003 min
 Lab File: BN015356.D
 Acq: 07 Jul 2021 03:03

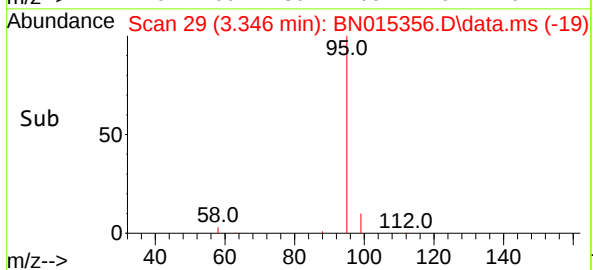
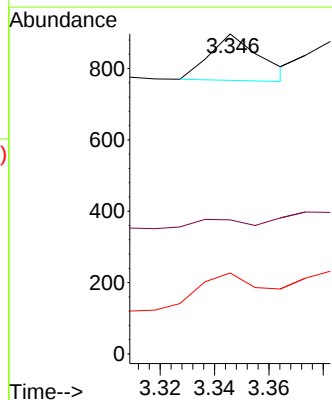
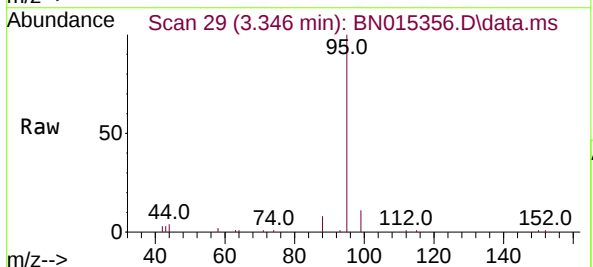
Instrument :
 BNA_N
 ClientSampleId :
 MW-13A-063021

Tgt Ion: 152 Resp: 15890
 Ion Ratio Lower Upper
 152 100
 150 158.0 119.0 178.6
 115 61.7 62.2 93.4#



#2
 1,4-Dioxane
 Concen: 0.02 ng
 RT: 3.346 min Scan# 29
 Delta R.T. -0.006 min
 Lab File: BN015356.D
 Acq: 07 Jul 2021 03:03

Tgt Ion: 88 Resp: 167
 Ion Ratio Lower Upper
 88 100
 43 0.0 12.9 19.3#
 58 113.2 38.1 57.1#

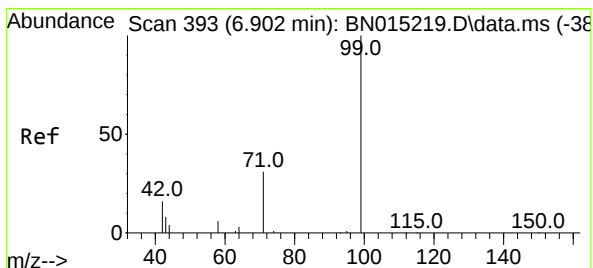
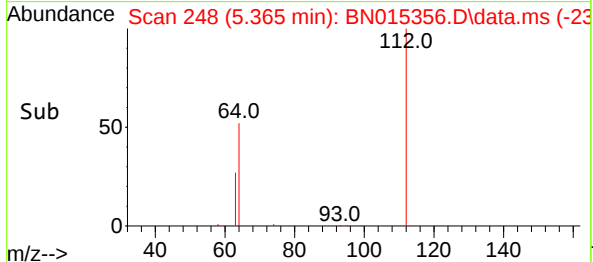
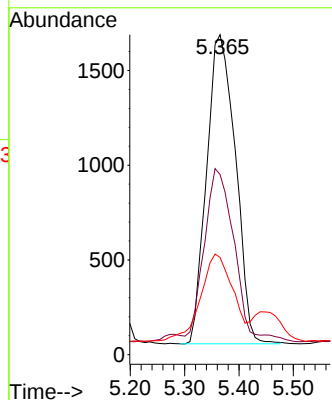
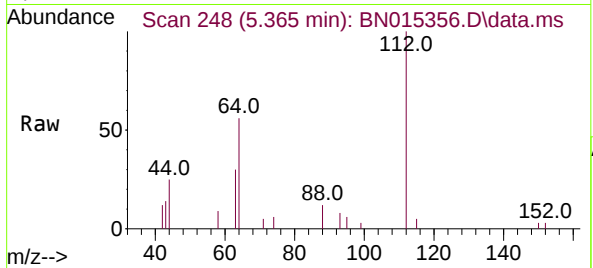




#4
2-Fluorophenol
Concen: 0.15 ng
RT: 5.365 min Scan# 248
Delta R.T. 0.003 min
Lab File: BN015356.D
Acq: 07 Jul 2021 03:03

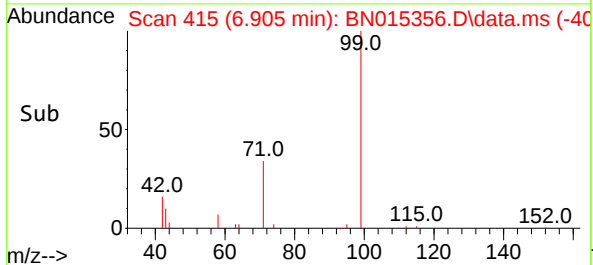
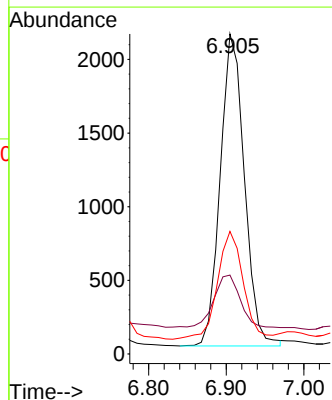
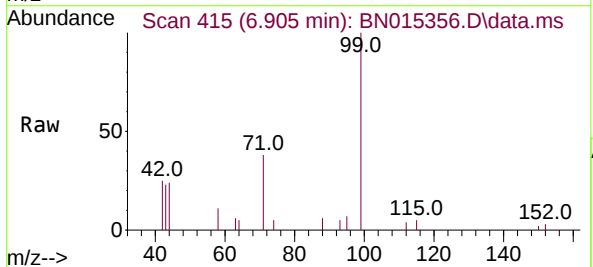
Instrument :
BNA_N
ClientSampleId :
MW-13A-063021

Tgt Ion: 112 Resp: 6020
Ion Ratio Lower Upper
112 100
64 54.2 39.0 58.6
63 26.9 20.6 30.8



#5
Phenol-d6
Concen: 0.09 ng
RT: 6.905 min Scan# 415
Delta R.T. 0.003 min
Lab File: BN015356.D
Acq: 07 Jul 2021 03:03

Tgt Ion: 99 Resp: 4580
Ion Ratio Lower Upper
99 100
42 18.3 8.9 13.3#
71 37.0 35.6 53.4

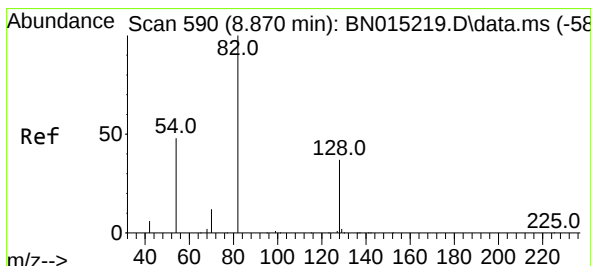
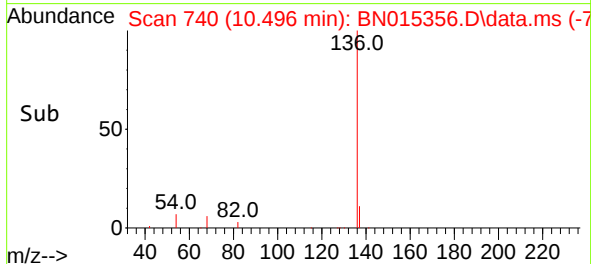
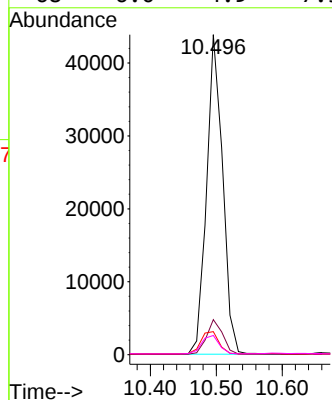
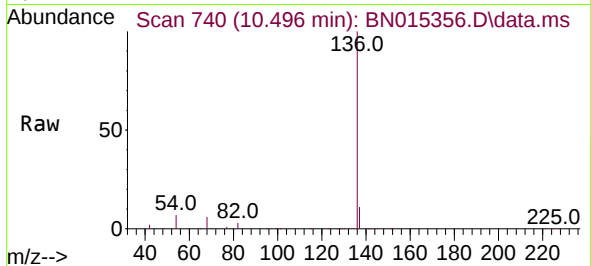




#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.496 min Scan# 740
Delta R.T. 0.003 min
Lab File: BN015356.D
Acq: 07 Jul 2021 03:03

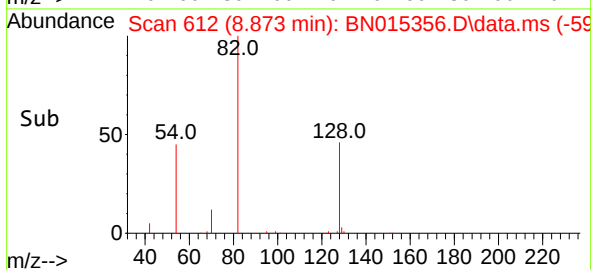
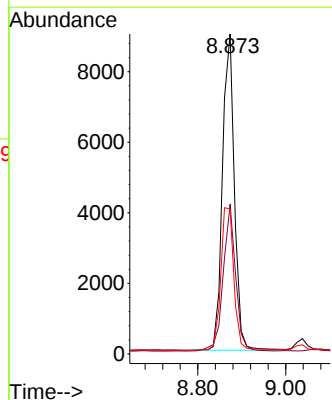
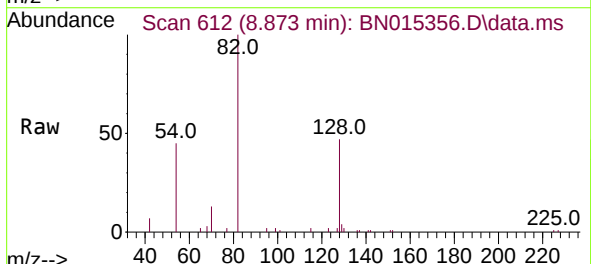
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BNA_N
ClientSampleId :
MW-13A-063021

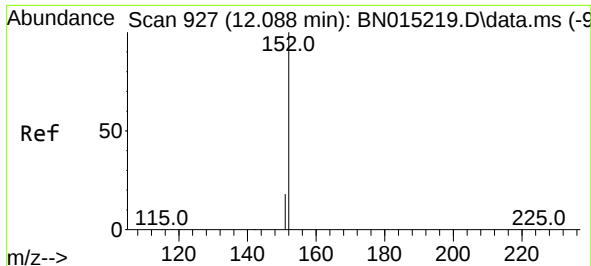
Tgt Ion:136	Resp:	74385
Ion Ratio	Lower	Upper
136	100	
137	10.9	9.8 14.8
54	7.2	5.4 8.2
68	6.0	4.9 7.3



#8
Nitrobenzene-d5
Concen: 0.41 ng
RT: 8.873 min Scan# 612
Delta R.T. 0.003 min
Lab File: BN015356.D
Acq: 07 Jul 2021 03:03

Tgt Ion: 82	Resp:	16932
Ion Ratio	Lower	Upper
82	100	
128	46.8	31.6 47.4
54	45.3	29.0 43.4

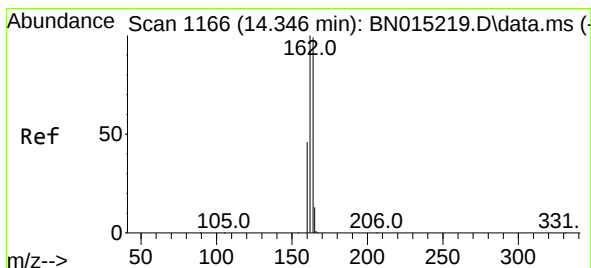
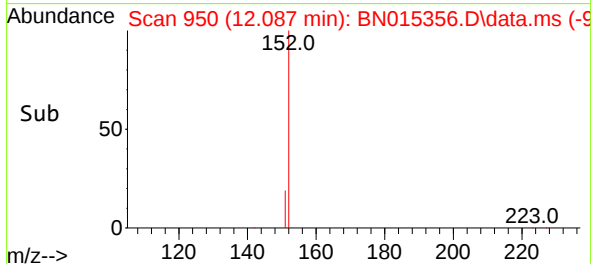
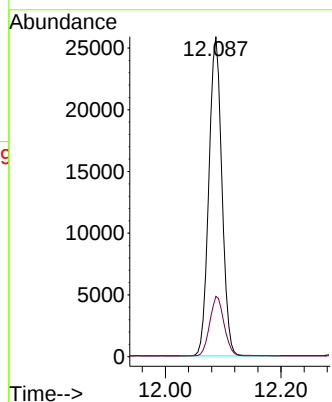
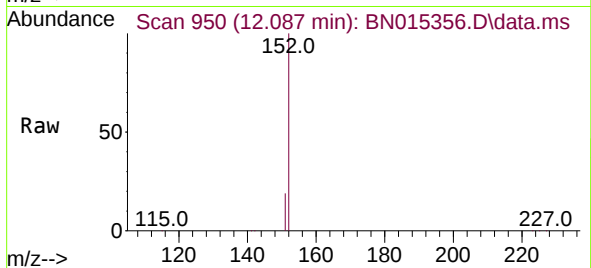




#11
2-Methylnaphthalene-d10
Concen: 0.33 ng
RT: 12.087 min Scan# 950
Delta R.T. -0.001 min
Lab File: BN015356.D
Acq: 07 Jul 2021 03:03

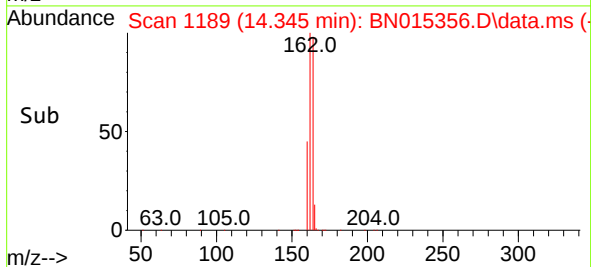
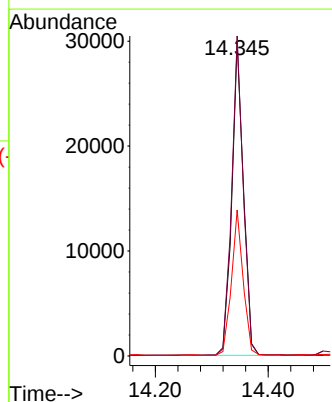
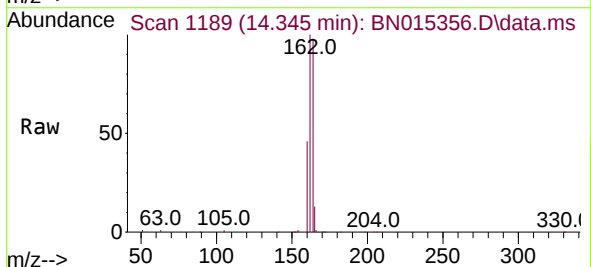
Instrument :
BNA_N
ClientSampleId :
MW-13A-063021

Tgt Ion:152 Resp: 40438
Ion Ratio Lower Upper
152 100
151 20.6 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: BN015356.D
Acq: 07 Jul 2021 03:03

Tgt Ion:164 Resp: 42853
Ion Ratio Lower Upper
164 100
162 101.8 83.8 125.6
160 46.4 37.4 56.0

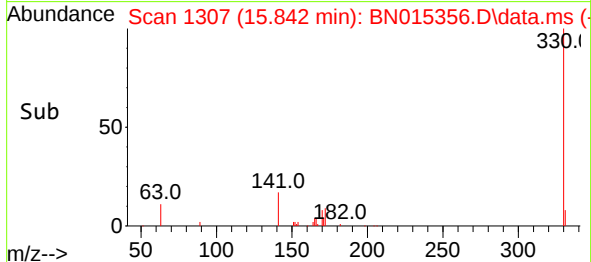
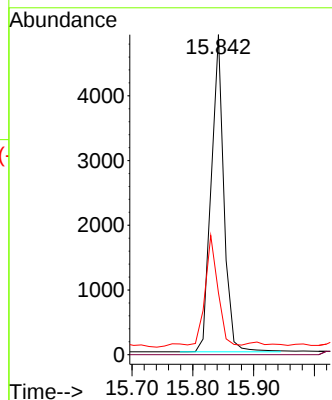
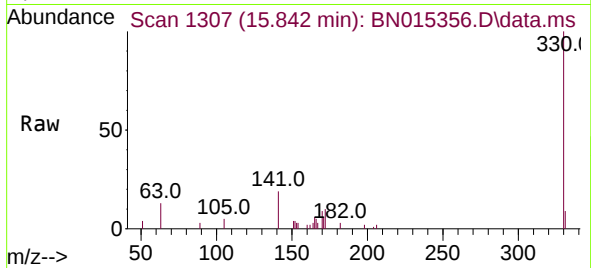




#14
2,4,6-Tribromophenol
Concen: 0.61 ng
RT: 15.842 min Scan# 1307
Delta R.T. -0.001 min
Lab File: BN015356.D
Acq: 07 Jul 2021 03:03

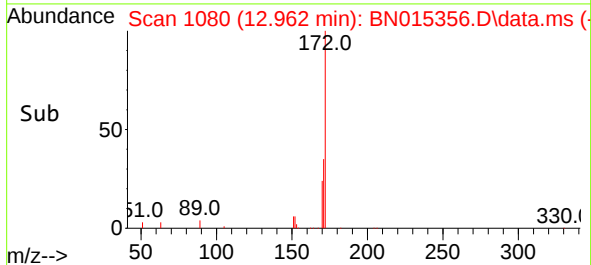
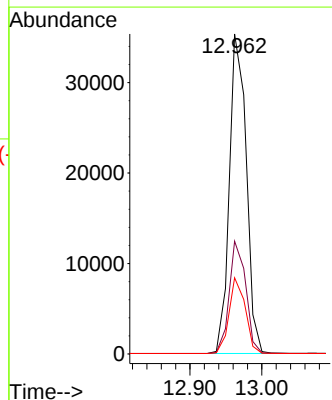
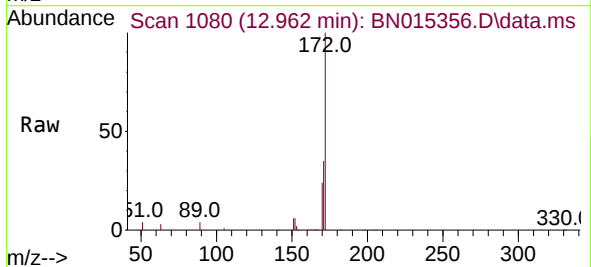
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ClientSampleId :
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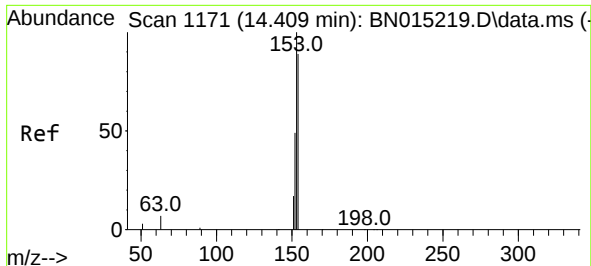
Tgt Ion:330 Resp: 7119
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 33.9 22.4 33.6#



#15
2-Fluorobiphenyl
Concen: 0.33 ng
RT: 12.962 min Scan# 1080
Delta R.T. -0.001 min
Lab File: BN015356.D
Acq: 07 Jul 2021 03:03

Tgt Ion:172 Resp: 57796
Ion Ratio Lower Upper
172 100
171 35.3 30.6 45.8
170 23.8 20.2 30.4

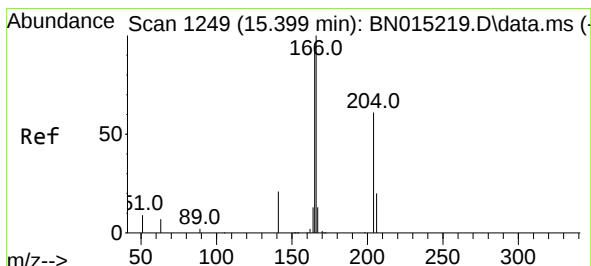
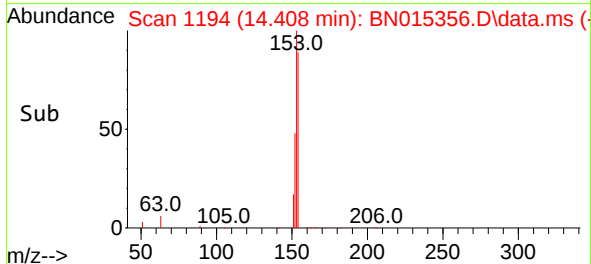
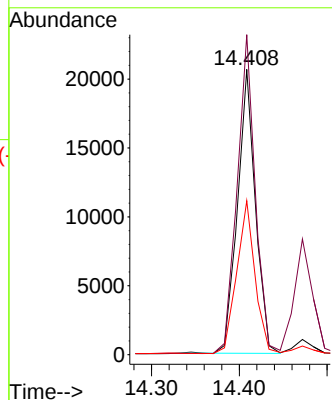
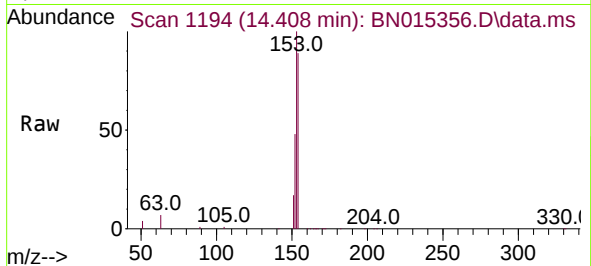




#17
Acenaphthene
Concen: 0.22 ng
RT: 14.408 min Scan# 1194
Delta R.T. -0.001 min
Lab File: BN015356.D
Acq: 07 Jul 2021 03:03

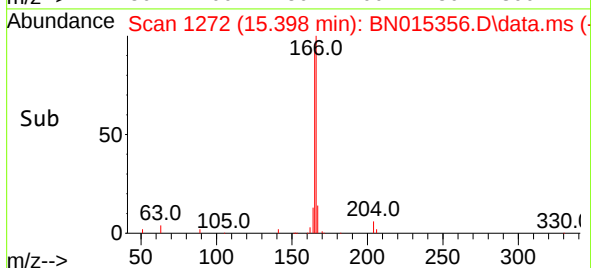
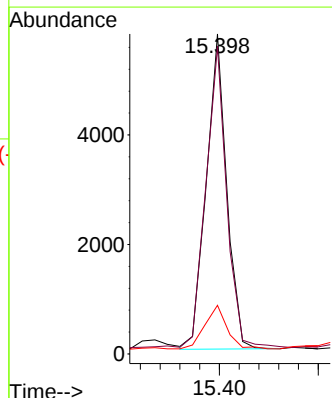
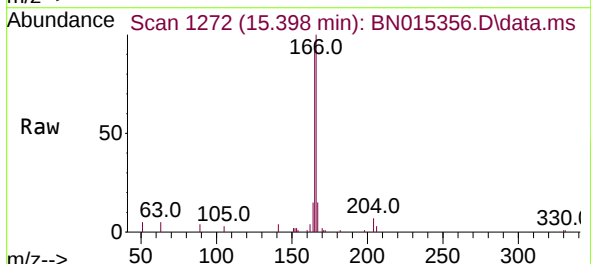
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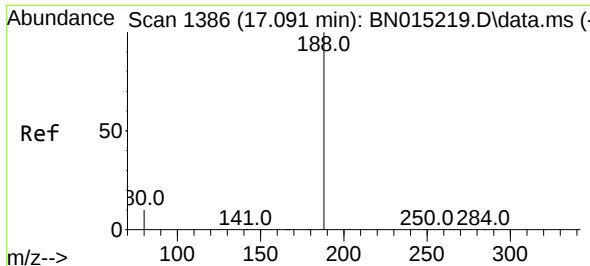
Tgt Ion:154 Resp: 29167
Ion Ratio Lower Upper
154 100
153 113.3 90.9 136.3
152 54.7 45.8 68.8



#18
Fluorene
Concen: 0.05 ng
RT: 15.398 min Scan# 1272
Delta R.T. -0.001 min
Lab File: BN015356.D
Acq: 07 Jul 2021 03:03

Tgt Ion:166 Resp: 8264
Ion Ratio Lower Upper
166 100
165 97.0 79.2 118.8
167 15.9 10.7 16.1

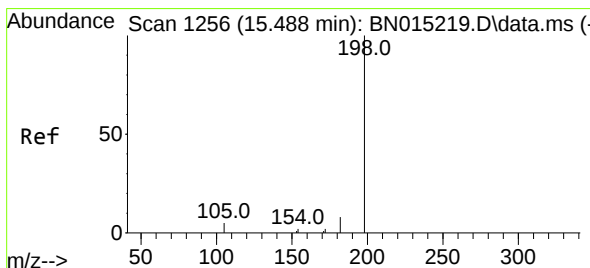
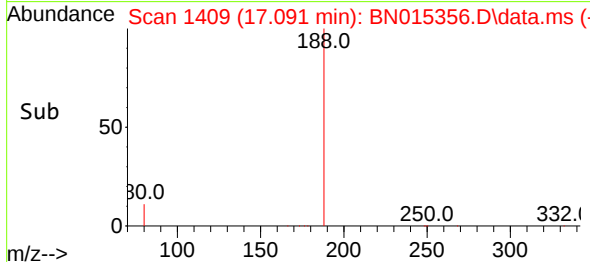
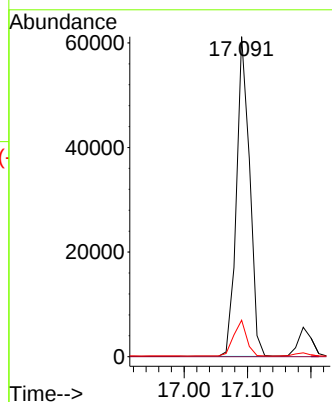
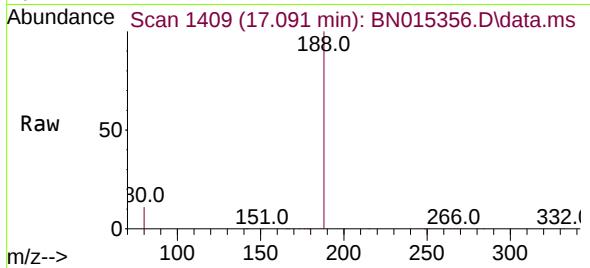




#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.091 min Scan# 1409
Delta R.T. -0.000 min
Lab File: BN015356.D
Acq: 07 Jul 2021 03:03

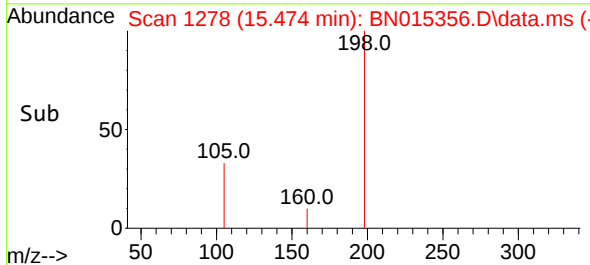
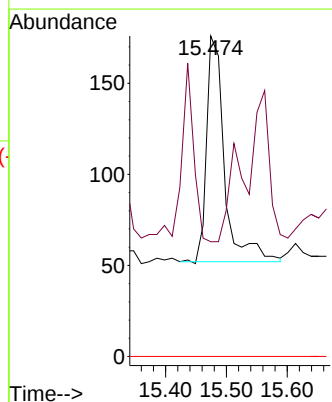
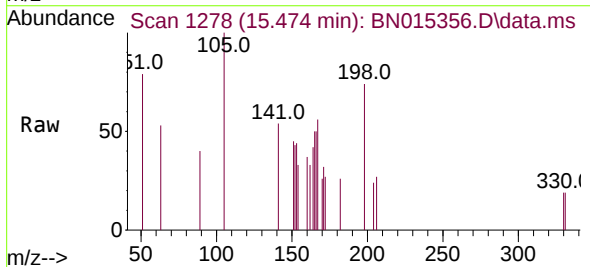
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ClientSampleId :
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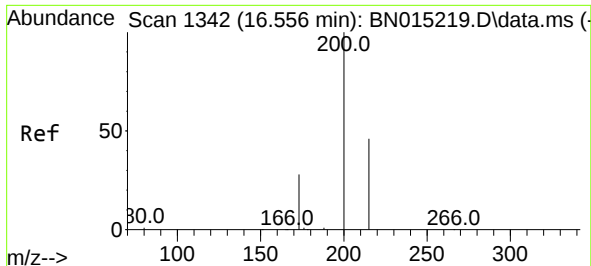
Tgt Ion:188 Resp: 88370
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.4 9.0 13.4



#20
4,6-Dinitro-2-methylphenol
Concen: 0.35 ng
RT: 15.474 min Scan# 1278
Delta R.T. -0.014 min
Lab File: BN015356.D
Acq: 07 Jul 2021 03:03

Tgt Ion:198 Resp: 254
Ion Ratio Lower Upper
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182 35.8 34.5 51.7
77 0.0 0.0 0.0

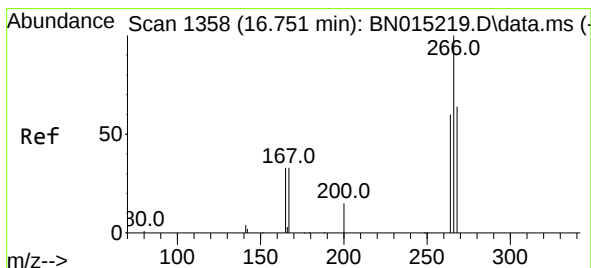
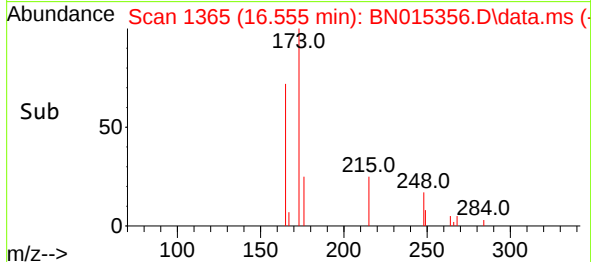
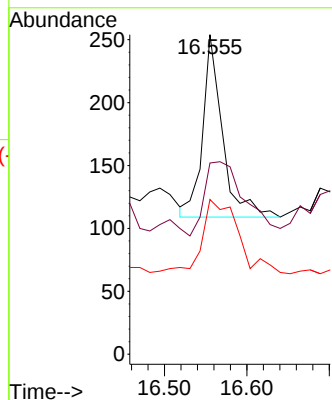
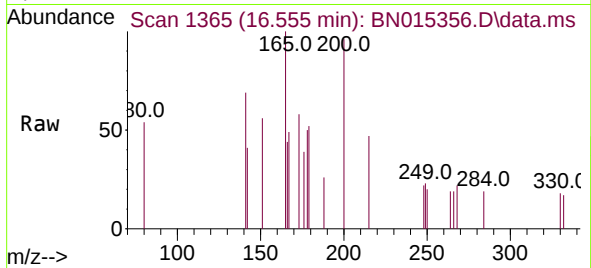




#23
Atrazine
Concen: 0.18 ng
RT: 16.555 min Scan# 1365
Delta R.T. -0.001 min
Lab File: BN015356.D
Acq: 07 Jul 2021 03:03

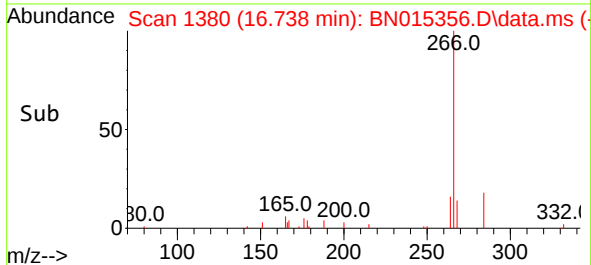
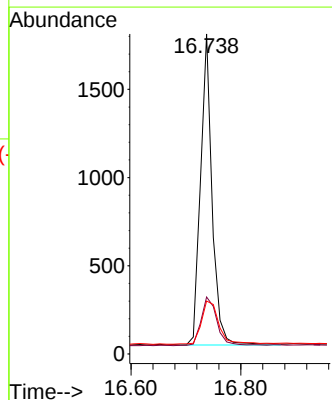
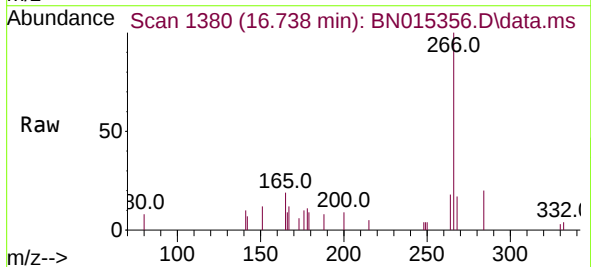
Instrument :
BNA_N
ClientSampleId :
MW-13A-063021

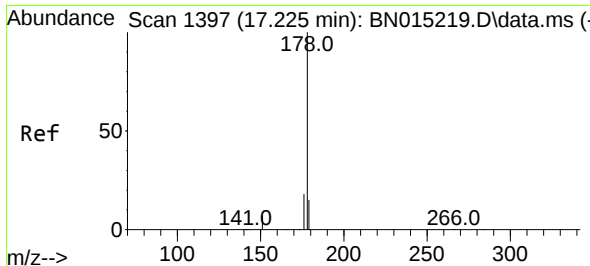
Tgt Ion:200 Resp: 242
Ion Ratio Lower Upper
200 100
173 59.8 21.7 32.5#
215 48.4 43.1 64.7



#24
Pentachlorophenol
Concen: 0.48 ng
RT: 16.738 min Scan# 1380
Delta R.T. -0.013 min
Lab File: BN015356.D
Acq: 07 Jul 2021 03:03

Tgt Ion:266 Resp: 2591
Ion Ratio Lower Upper
266 100
264 21.3 51.0 76.4#
268 21.0 50.6 76.0#

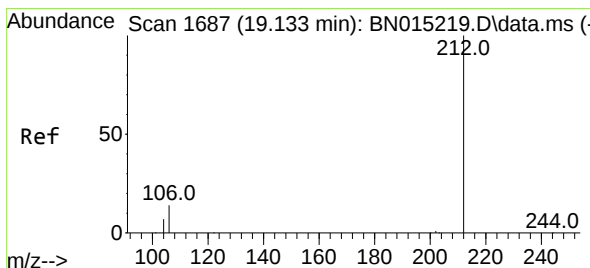
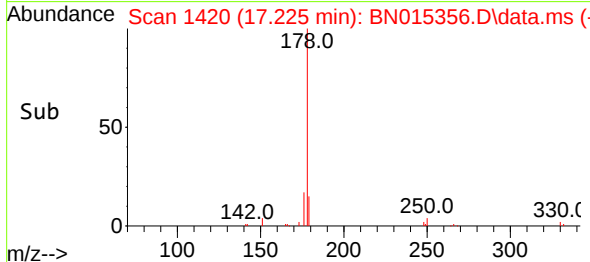
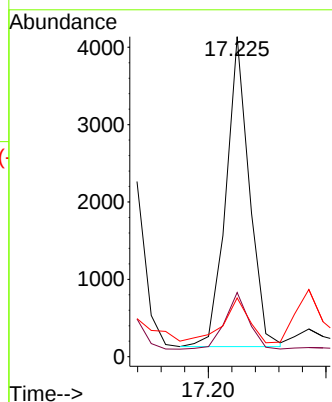
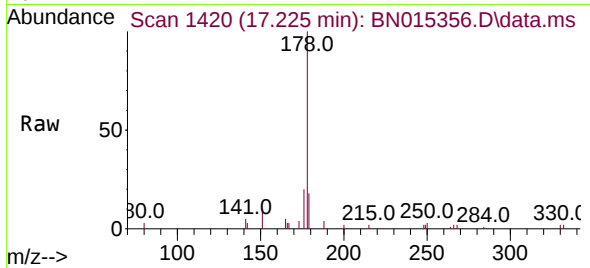




#26
 Anthracene
 Concen: 0.02 ng
 RT: 17.225 min Scan# 1420
 Delta R.T. -0.000 min
 Lab File: BN015356.D
 Acq: 07 Jul 2021 03:03

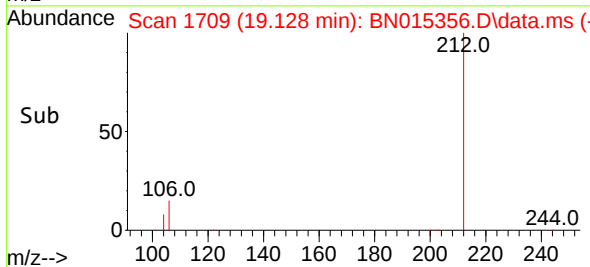
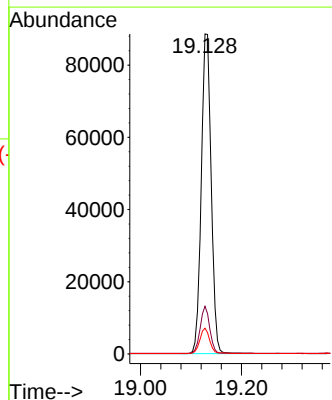
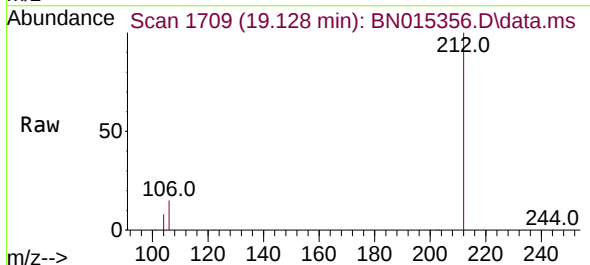
Instrument :
 BNA_N
 ClientSampleId :
 MW-13A-063021

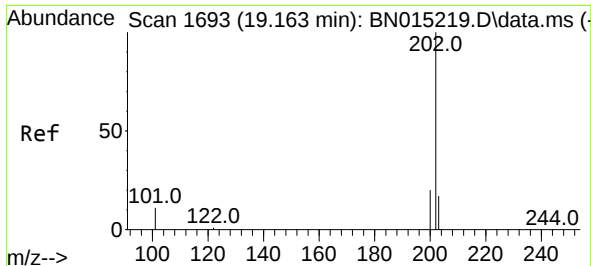
Tgt Ion:	178	Resp:	5507
Ion Ratio	Lower	Upper	
178	100		
176	18.6	15.1	22.7
179	16.1	12.2	18.2



#27
 Fluoranthene-d10
 Concen: 0.46 ng
 RT: 19.128 min Scan# 1709
 Delta R.T. -0.005 min
 Lab File: BN015356.D
 Acq: 07 Jul 2021 03:03

Tgt Ion:	212	Resp:	120202
Ion Ratio	Lower	Upper	
212	100		
106	14.1	7.0	10.6#
104	7.9	4.1	6.1#

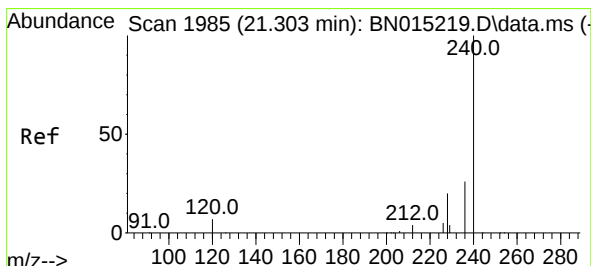
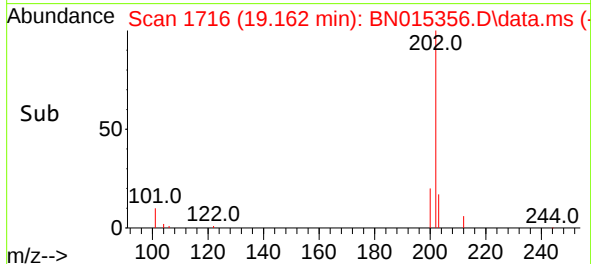
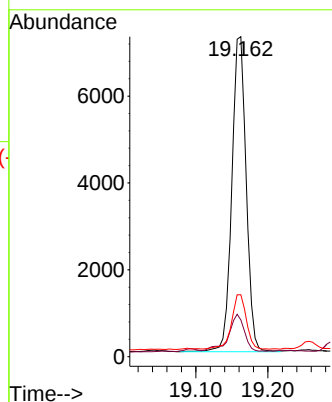
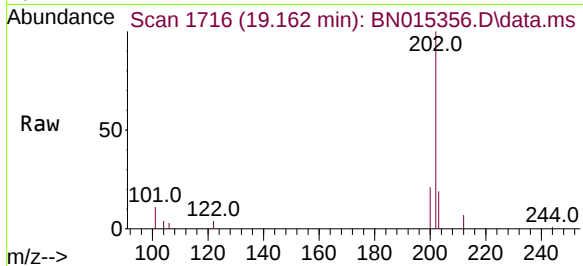




#28
Fluoranthene
Concen: 0.03 ng
RT: 19.162 min Scan# 1716
Delta R.T. -0.001 min
Lab File: BN015356.D
Acq: 07 Jul 2021 03:03

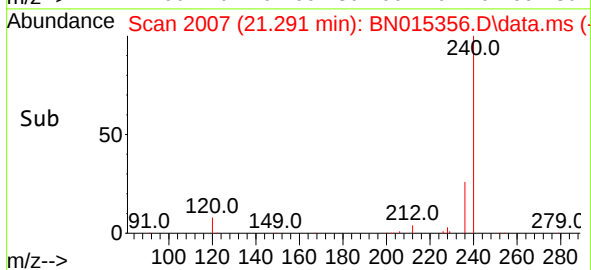
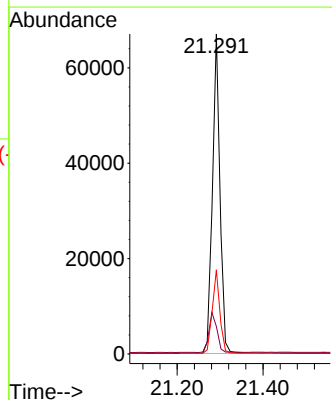
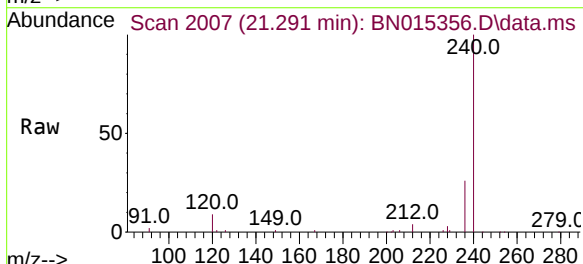
Instrument :
BNA_N
ClientSampleId :
MW-13A-063021

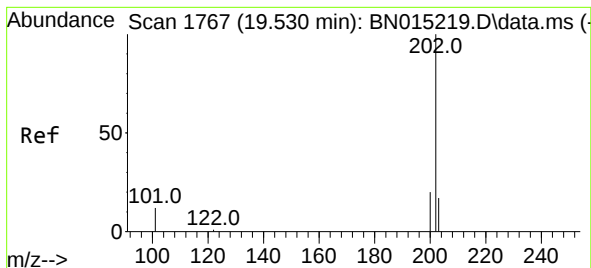
Tgt Ion:202 Resp: 10025
Ion Ratio Lower Upper
202 100
101 12.9 6.6 10.0#
203 17.8 13.9 20.9



#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.291 min Scan# 2007
Delta R.T. -0.012 min
Lab File: BN015356.D
Acq: 07 Jul 2021 03:03

Tgt Ion:240 Resp: 81659
Ion Ratio Lower Upper
240 100
120 8.6 4.2 6.4#
236 26.3 21.4 32.2





#30

Pyrene

Concen: 0.03 ng

RT: 19.525 min Scan# 1789

Delta R.T. -0.005 min

Lab File: BN015356.D

Acq: 07 Jul 2021 03:03

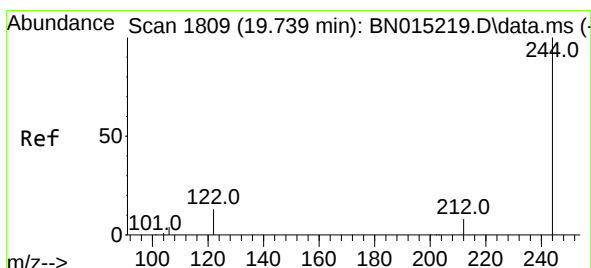
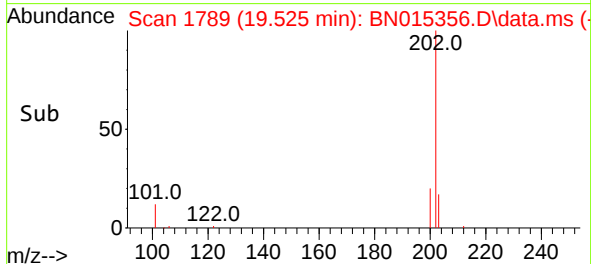
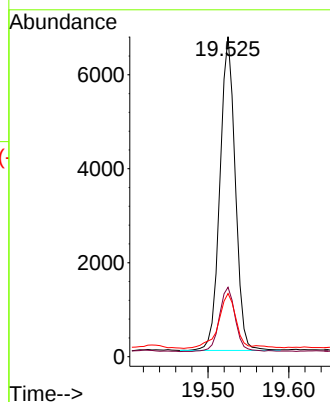
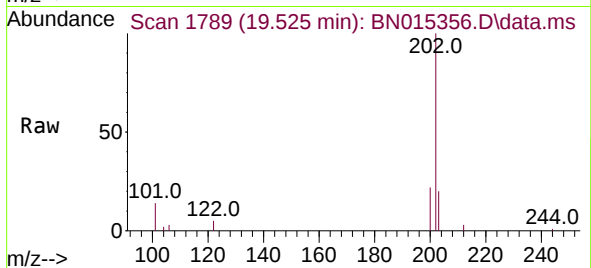
Tgt Ion:	202	Resp:	8839
Ion Ratio	Lower	Upper	
202	100		
200	21.0	16.9	25.3
203	19.7	13.9	20.9

Instrument :

BNA_N

ClientSampleId :

MW-13A-063021



#31

Terphenyl-d14

Concen: 0.51 ng

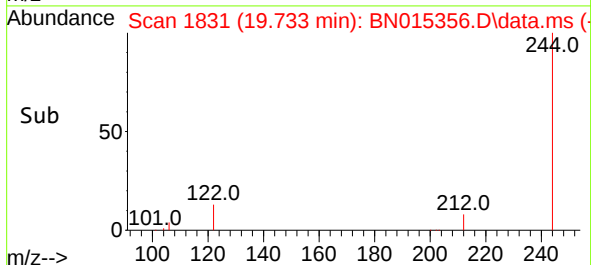
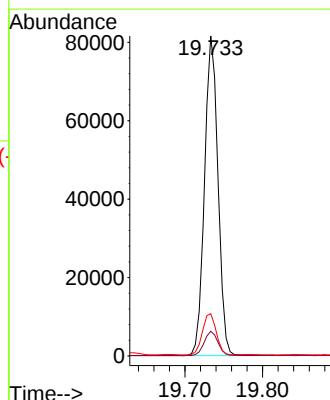
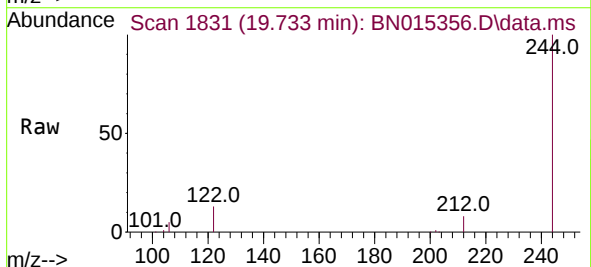
RT: 19.733 min Scan# 1831

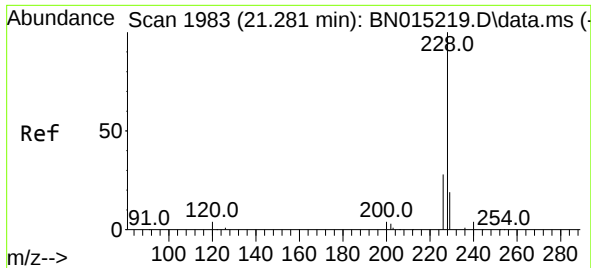
Delta R.T. -0.006 min

Lab File: BN015356.D

Acq: 07 Jul 2021 03:03

Tgt Ion:	244	Resp:	98381
Ion Ratio	Lower	Upper	
244	100		
212	7.7	6.3	9.5
122	13.2	6.2	9.2#

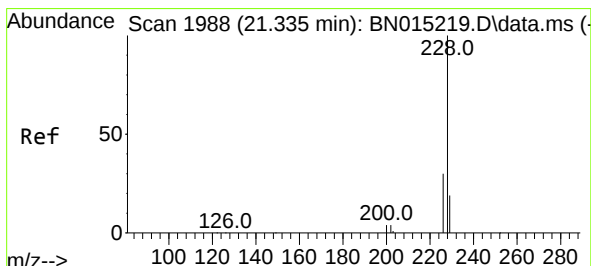
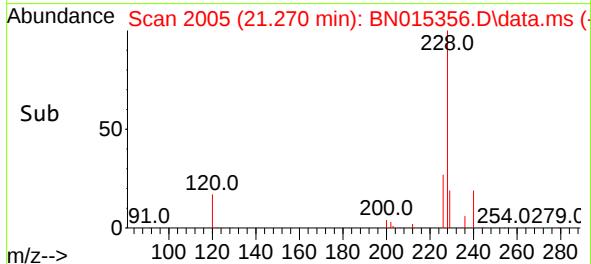
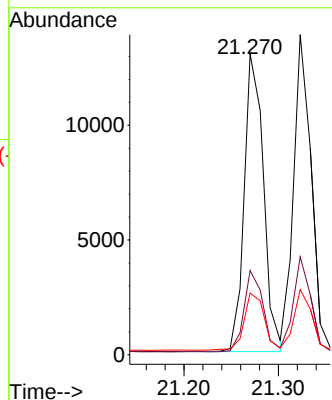
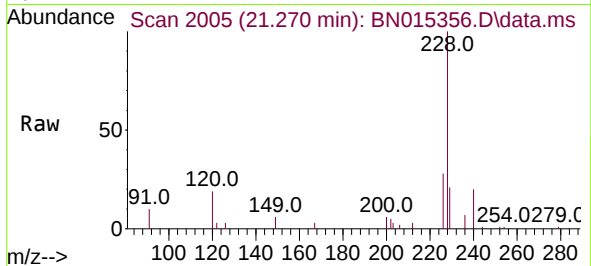




#32
Benzo(a)anthracene
Concen: 0.07 ng
RT: 21.270 min Scan# 2005
Delta R.T. -0.011 min
Lab File: BN015356.D
Acq: 07 Jul 2021 03:03

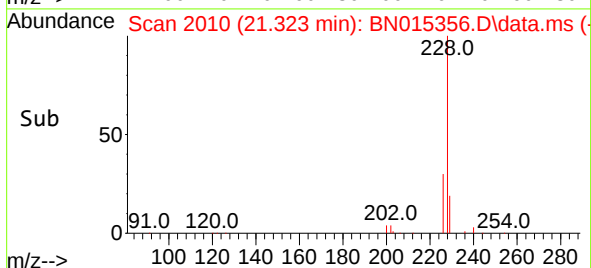
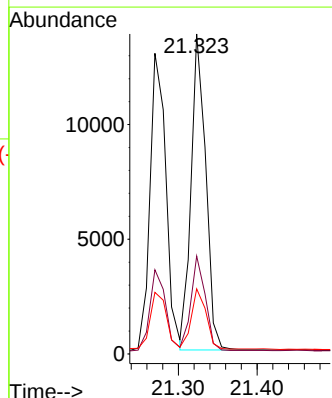
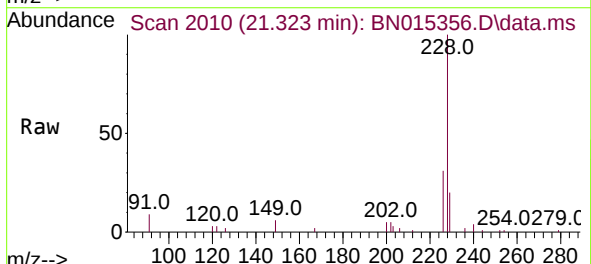
Instrument :
BNA_N
ClientSampleId :
MW-13A-063021

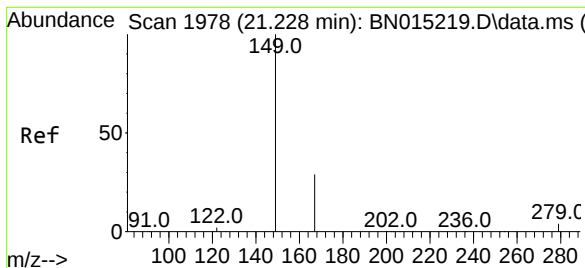
Tgt Ion:	228	Resp:	18354
Ion Ratio	Lower	Upper	
228	100		
226	28.0	23.0	34.6
229	20.5	15.7	23.5



#33
Chrysene
Concen: 0.06 ng
RT: 21.323 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BN015356.D
Acq: 07 Jul 2021 03:03

Tgt Ion:	228	Resp:	17851
Ion Ratio	Lower	Upper	
228	100		
226	30.6	25.0	37.6
229	20.4	15.9	23.9

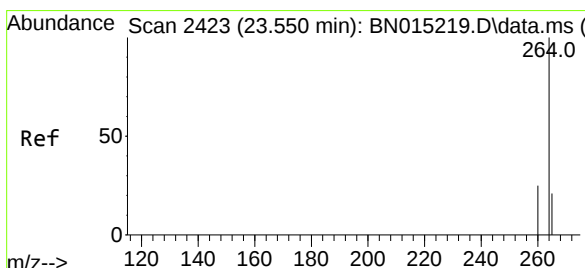
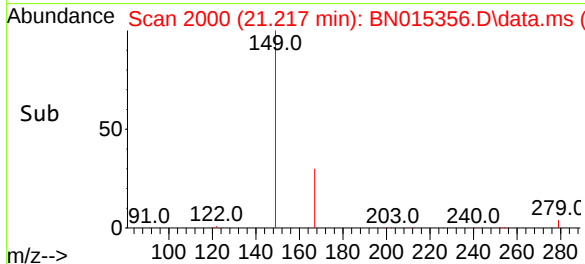
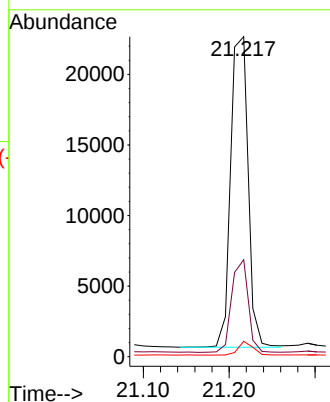
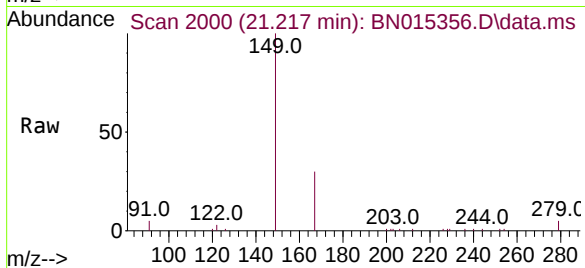




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.46 ng
RT: 21.217 min Scan# 2000
Delta R.T. -0.011 min
Lab File: BN015356.D
Acq: 07 Jul 2021 03:03

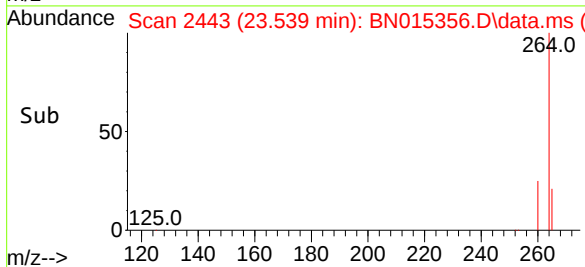
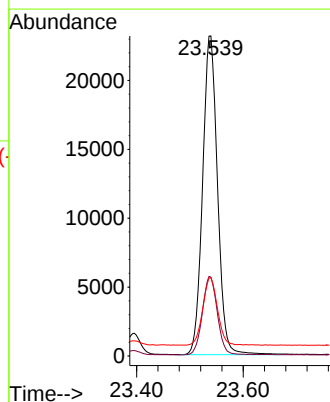
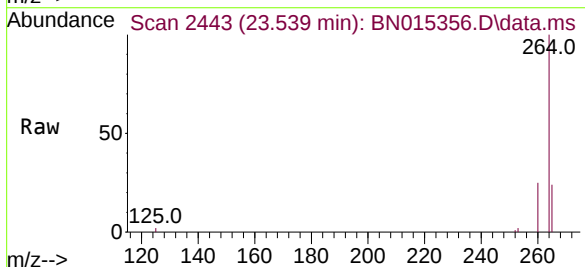
Instrument :
BNA_N
ClientSampleId :
MW-13A-063021

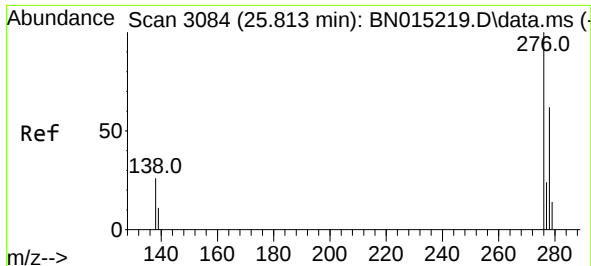
Tgt Ion:149 Resp: 31115
Ion Ratio Lower Upper
149 100
167 28.2 28.9 43.3#
279 3.7 4.9 7.3#



#35
Perylene-d12
Concen: 0.40 ng
RT: 23.539 min Scan# 2443
Delta R.T. -0.011 min
Lab File: BN015356.D
Acq: 07 Jul 2021 03:03

Tgt Ion:264 Resp: 44913
Ion Ratio Lower Upper
264 100
260 24.7 20.6 31.0
265 24.5 21.4 32.2

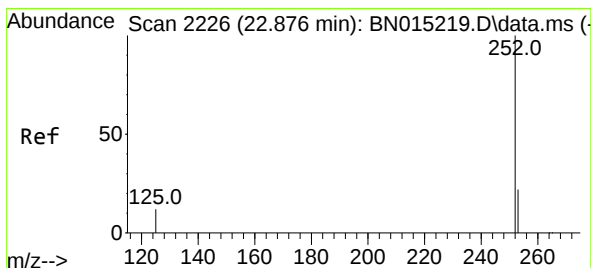
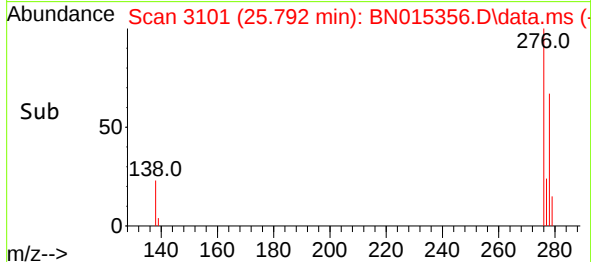
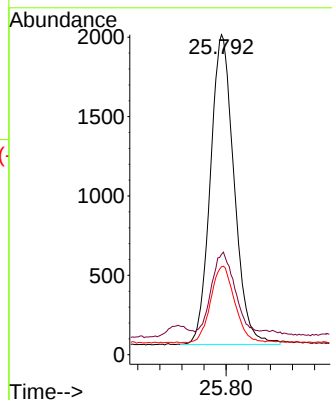
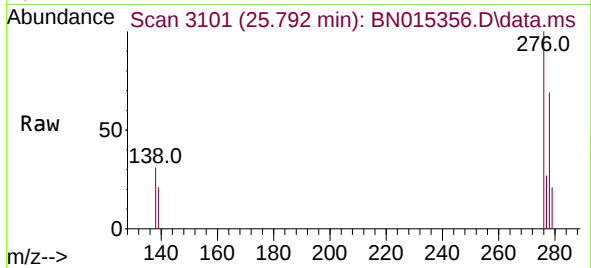




#36
Indeno(1,2,3-cd)pyrene
Concen: 0.04 ng
RT: 25.792 min Scan# 3101
Delta R.T. -0.021 min
Lab File: BN015356.D
Acq: 07 Jul 2021 03:03

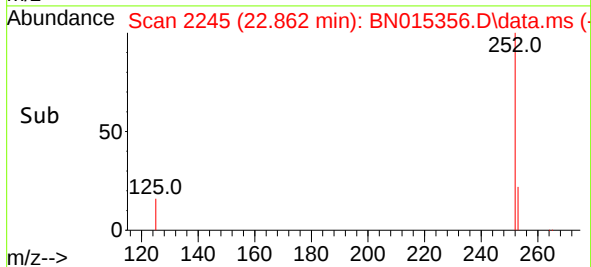
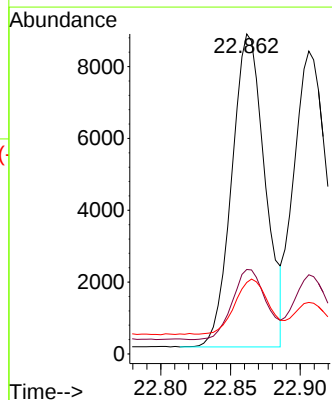
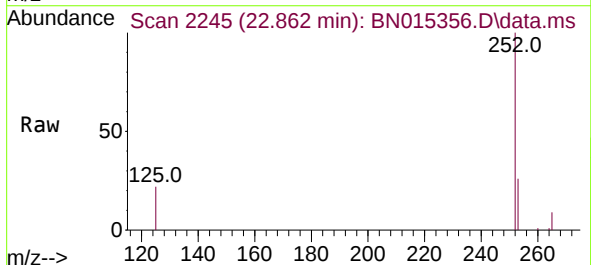
Instrument :
BNA_N
ClientSampleId :
MW-13A-063021

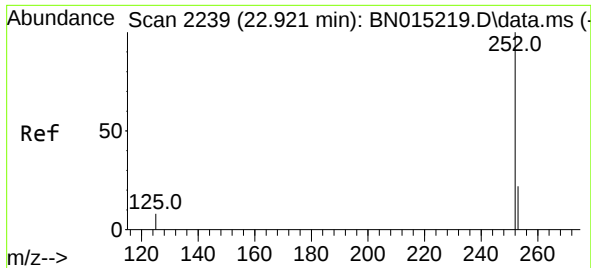
Tgt Ion:276 Resp: 5812
Ion Ratio Lower Upper
276 100
138 24.6 10.0 15.0#
277 25.0 20.4 30.6



#37
Benzo(b)fluoranthene
Concen: 0.08 ng
RT: 22.862 min Scan# 2245
Delta R.T. -0.014 min
Lab File: BN015356.D
Acq: 07 Jul 2021 03:03

Tgt Ion:252 Resp: 14438
Ion Ratio Lower Upper
252 100
253 26.4 18.5 27.7
125 22.3 5.8 8.6#

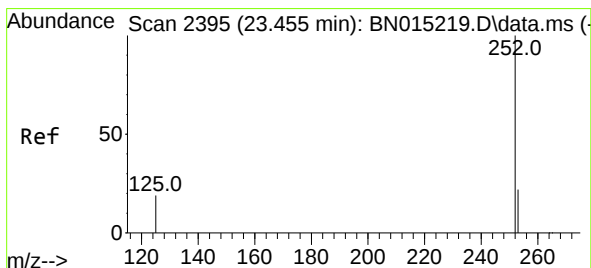
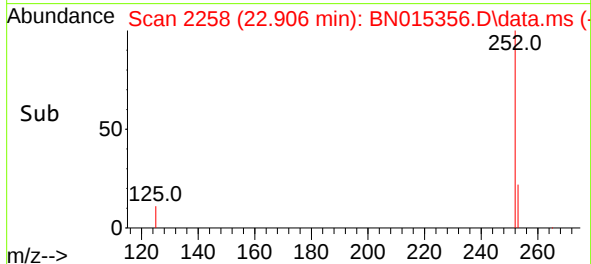
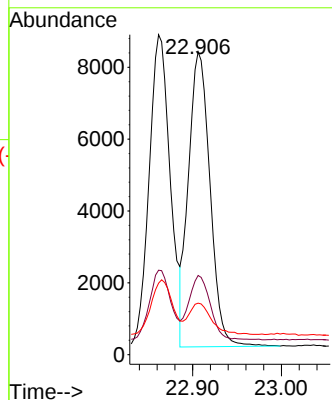
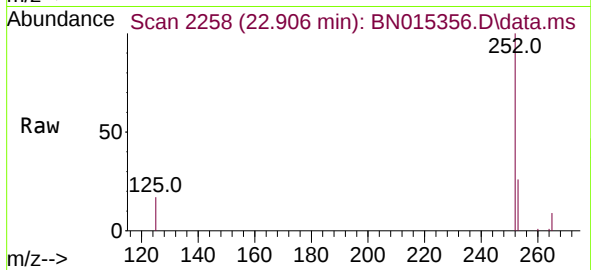




#38
Benzo(k)fluoranthene
Concen: 0.07 ng
RT: 22.906 min Scan# 2258
Delta R.T. -0.014 min
Lab File: BN015356.D
Acq: 07 Jul 2021 03:03

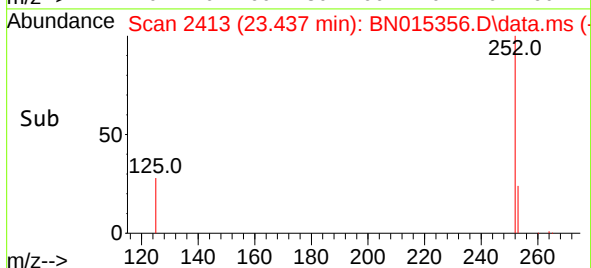
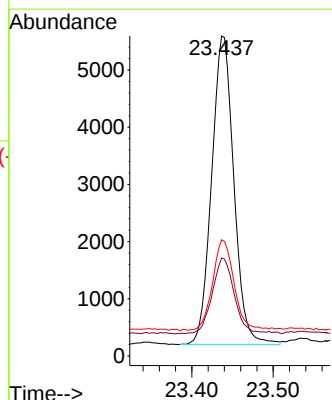
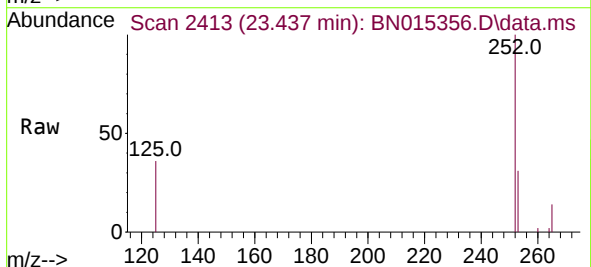
Instrument :
BNA_N
ClientSampleId :
MW-13A-063021

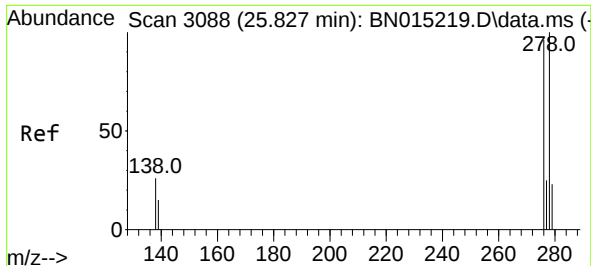
Tgt Ion:252 Resp: 13824
Ion Ratio Lower Upper
252 100
253 26.2 19.1 28.7
125 17.0 5.4 8.0#



#39
Benzo(a)pyrene
Concen: 0.06 ng
RT: 23.437 min Scan# 2413
Delta R.T. -0.018 min
Lab File: BN015356.D
Acq: 07 Jul 2021 03:03

Tgt Ion:252 Resp: 10229
Ion Ratio Lower Upper
252 100
253 30.6 19.4 29.2#
125 36.3 7.4 11.2#

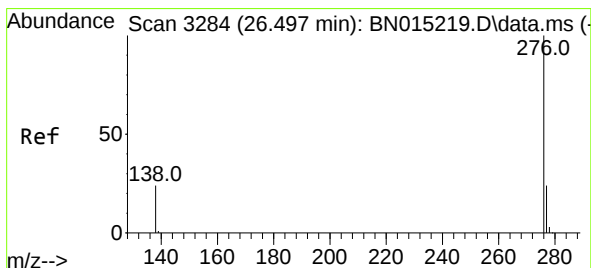
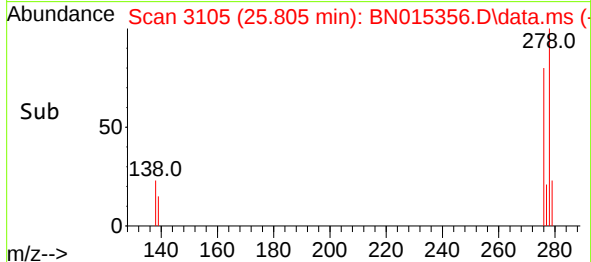
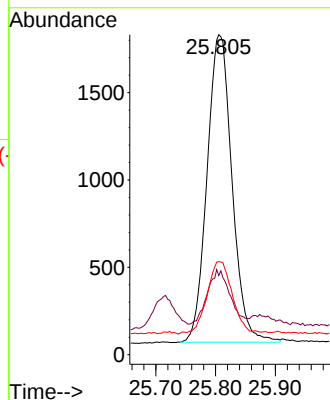
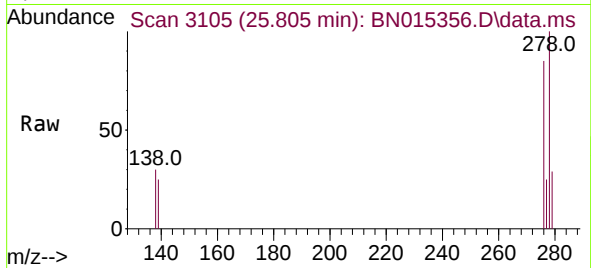




#40
Dibenzo(a,h)anthracene
Concen: 0.04 ng
RT: 25.805 min Scan# 3105
Delta R.T. -0.021 min
Lab File: BN015356.D
Acq: 07 Jul 2021 03:03

Instrument :
BNA_N
ClientSampleId :
MW-13A-063021

Tgt Ion:278 Resp: 5117
Ion Ratio Lower Upper
278 100
139 24.7 9.0 13.4#
279 29.1 21.0 31.4



#41
Benzo(g,h,i)perylene
Concen: 0.03 ng
RT: 26.480 min Scan# 3302
Delta R.T. -0.018 min
Lab File: BN015356.D
Acq: 07 Jul 2021 03:03

Tgt Ion:276 Resp: 3879
Ion Ratio Lower Upper
276 100
277 28.3 19.7 29.5
138 30.1 9.8 14.6#

