

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071521\
 Data File : BN015585.D
 Acq On : 15 Jul 2021 19:01
 Operator : CG/JU
 Sample : M2799-05
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-8D

Quant Time: Jul 16 01:16:01 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN071521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 15 15:46:51 2021
 Response via : Initial Calibration

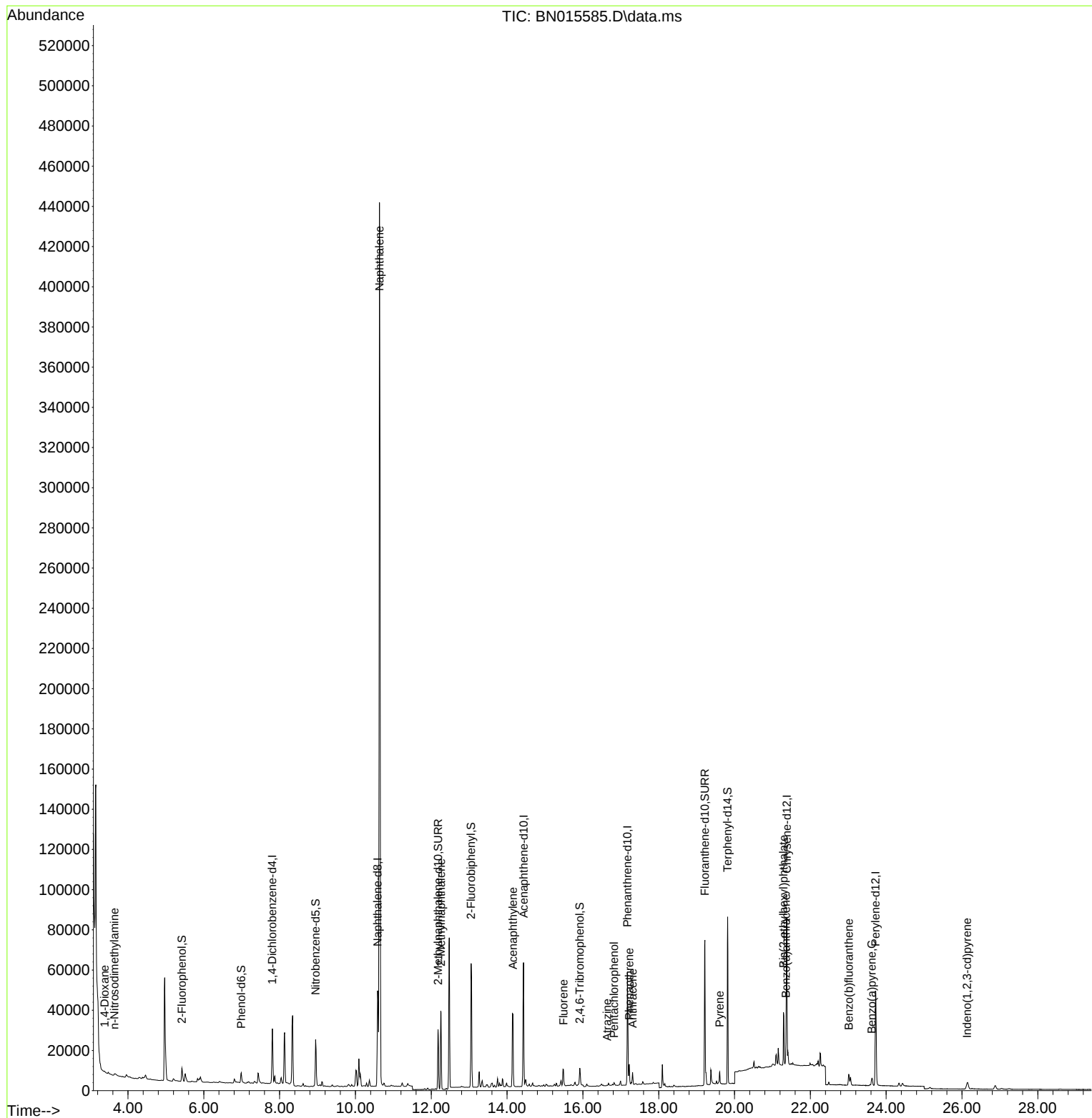
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.809	152	15083	0.40	ng	# 0.00
7) Naphthalene-d8	10.584	136	67616	0.40	ng	# 0.00
13) Acenaphthene-d10	14.434	164	36664	0.40	ng	0.00
19) Phenanthrene-d10	17.176	188	70898	0.40	ng	0.00
29) Chrysene-d12	21.376	240	64308	0.40	ng	# 0.00
35) Perylene-d12	23.724	264	64301	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.420	112	7298	0.17	ng	0.03
5) Phenol-d6	6.988	99	4954	0.10	ng	0.00
8) Nitrobenzene-d5	8.949	82	20664	0.42	ng	0.00
11) 2-Methylnaphthalene-d10	12.181	152	39903	0.36	ng	0.00
14) 2,4,6-Tribromophenol	15.918	330	6354	0.47	ng	0.00
15) 2-Fluorobiphenyl	13.051	172	59432	0.40	ng	0.00
27) Fluoranthene-d10	19.217	212	80841	0.38	ng	0.00
31) Terphenyl-d14	19.818	244	78862	0.52	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.383	88	325	0.04	ng	# 38
3) n-Nitrosodimethylamine	3.641	42	565	0.05	ng	# 1
9) Naphthalene	10.635	128	579122	2.95	ng	97
12) 2-Methylnaphthalene	12.252	142	27635	0.22	ng	# 91
16) Acenaphthylene	14.155	152	45996	0.27	ng	98
18) Fluorene	15.487	166	6443	0.05	ng	98
20) 4,6-Dinitro-2-methylph...	15.563	198	27	Below Cal	#	1
23) Atrazine	16.640	200	147	0.10	ng	# 1
24) Pentachlorophenol	16.823	266	812	0.34	ng	# 53
25) Phenanthrene	17.225	178	12739	0.06	ng	99
26) Anthracene	17.310	178	6093	0.03	ng	97
30) Pyrene	19.609	202	5517	0.02	ng	98
32) Benzo(a)anthracene	21.355	228	5511	0.02	ng	# 86
34) Bis(2-ethylhexyl)phtha...	21.291	149	26975	0.28	ng	# 88
36) Indeno(1,2,3-cd)pyrene	26.137	276	4647	0.02	ng	# 83
37) Benzo(b)fluoranthene	23.012	252	6663	0.03	ng	# 60
39) Benzo(a)pyrene	23.622	252	4744	0.02	ng	# 40

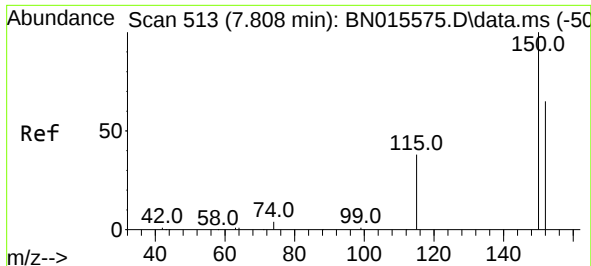
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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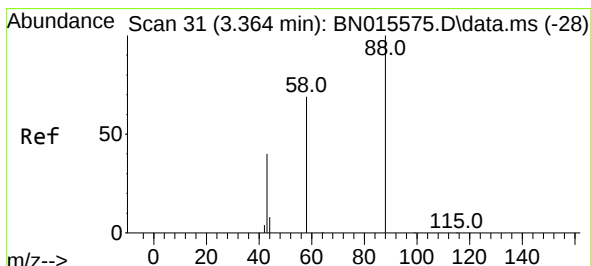
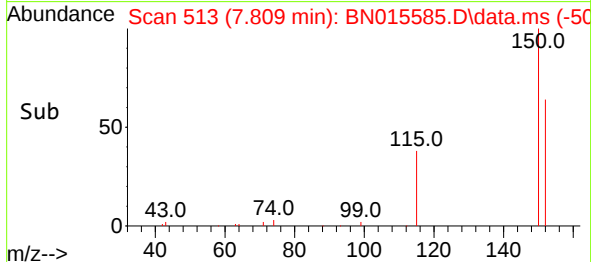
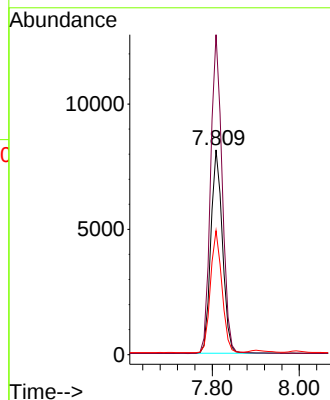
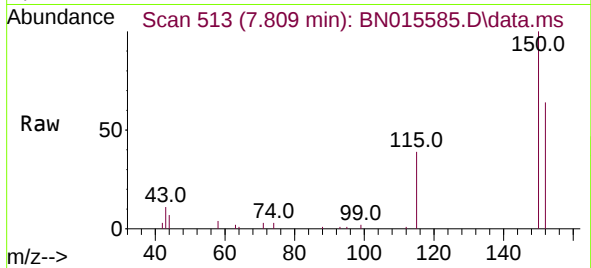




#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.809 min Scan# 513
Delta R.T. 0.001 min
Lab File: BN015585.D
Acq: 15 Jul 2021 19:01

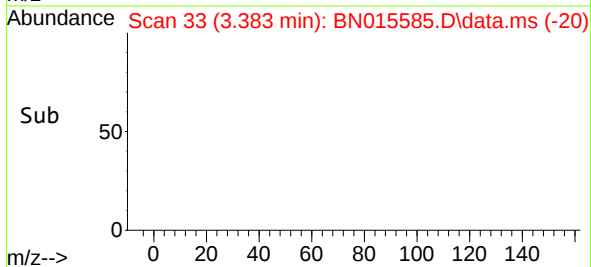
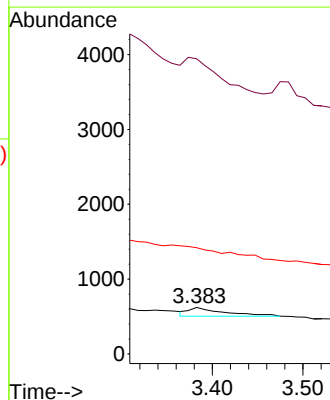
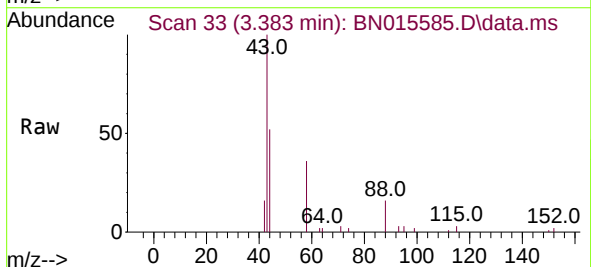
Instrument :
BNA_N
ClientSampled :
MW-8D

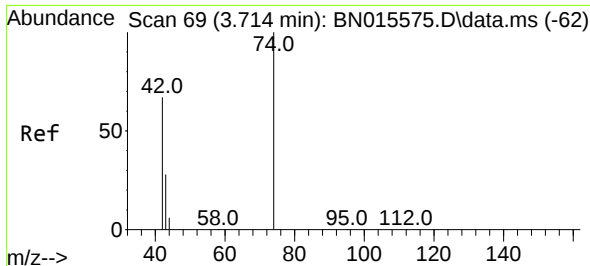
Tgt Ion:152 Resp: 15083
Ion Ratio Lower Upper
152 100
150 156.2 119.0 178.6
115 60.5 62.2 93.4#



#2
1,4-Dioxane
Concen: 0.04 ng
RT: 3.383 min Scan# 33
Delta R.T. 0.018 min
Lab File: BN015585.D
Acq: 15 Jul 2021 19:01

Tgt Ion: 88 Resp: 325
Ion Ratio Lower Upper
88 100
43 0.0 12.9 19.3#
58 0.0 38.1 57.1#

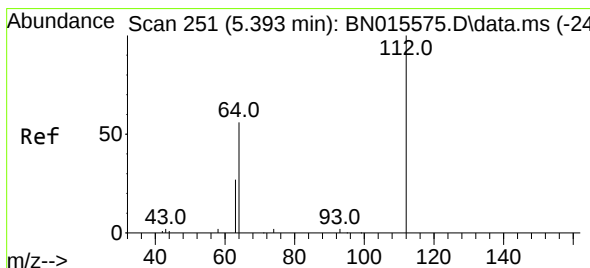
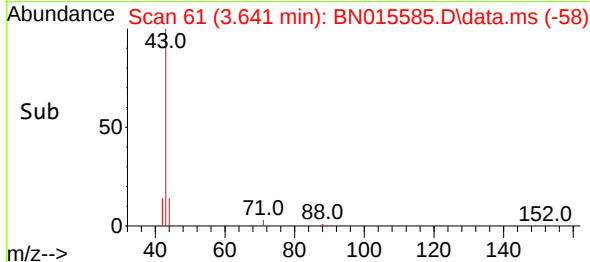
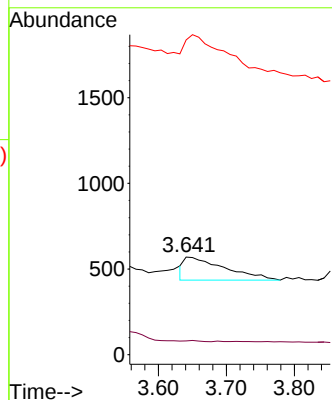
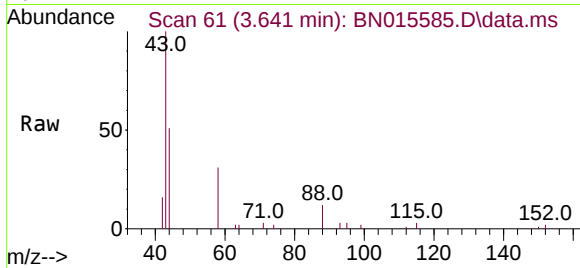




#3
n-Nitrosodimethylamine
Concen: 0.05 ng
RT: 3.641 min Scan# 61
Delta R.T. -0.074 min
Lab File: BN015585.D
Acq: 15 Jul 2021 19:01

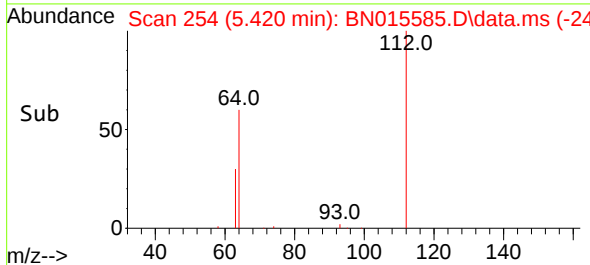
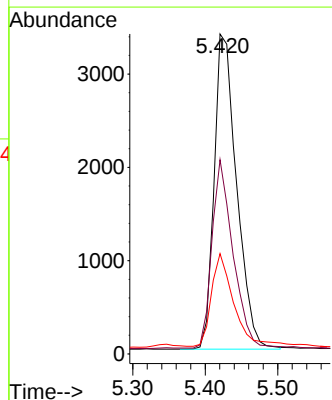
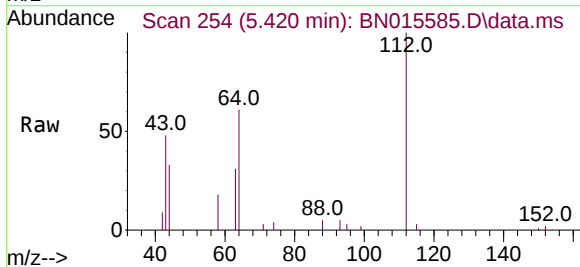
Instrument :
BNA_N
ClientSampleId :
MW-8D

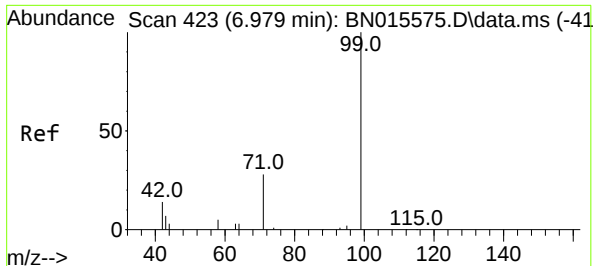
Tgt Ion: 42 Resp: 565
Ion Ratio Lower Upper
42 100
74 0.0 149.5 224.3#
44 183.4 4.2 6.2#



#4
2-Fluorophenol
Concen: 0.17 ng
RT: 5.420 min Scan# 254
Delta R.T. 0.028 min
Lab File: BN015585.D
Acq: 15 Jul 2021 19:01

Tgt Ion: 112 Resp: 7298
Ion Ratio Lower Upper
112 100
64 55.5 39.0 58.6
63 28.8 20.6 30.8

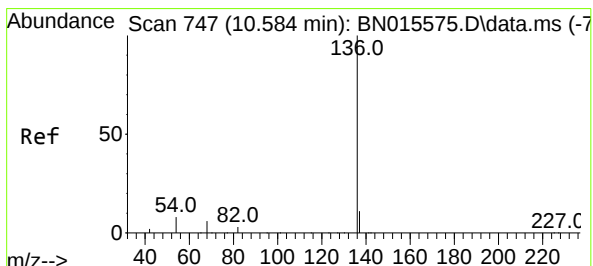
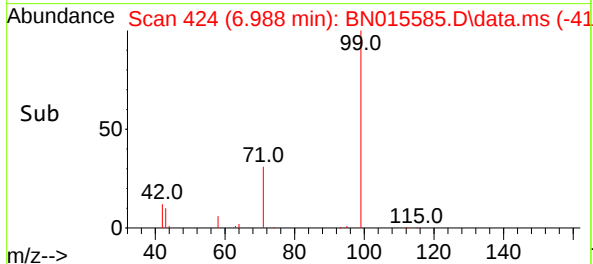
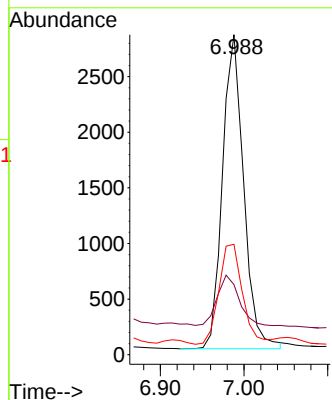
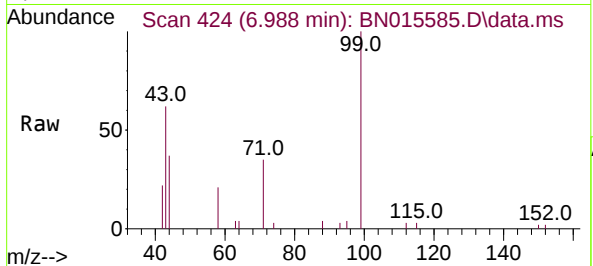




#5
Phenol-d6
Concen: 0.10 ng
RT: 6.988 min Scan# 424
Delta R.T. 0.009 min
Lab File: BN015585.D
Acq: 15 Jul 2021 19:01

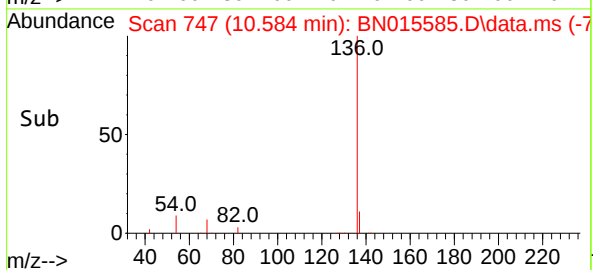
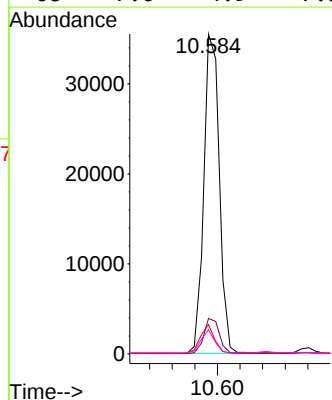
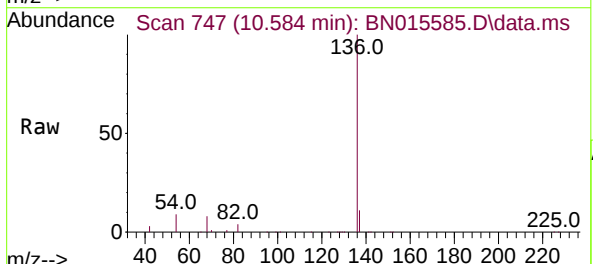
Instrument :
BNA_N
ClientSampled :
MW-8D

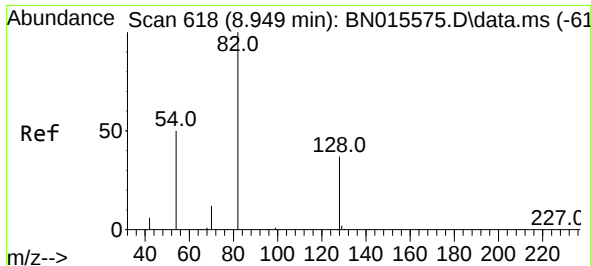
Tgt Ion: 99 Resp: 4954
Ion Ratio Lower Upper
99 100
42 16.5 8.9 13.3#
71 35.3 35.6 53.4#



#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.584 min Scan# 747
Delta R.T. 0.000 min
Lab File: BN015585.D
Acq: 15 Jul 2021 19:01

Tgt Ion: 136 Resp: 67616
Ion Ratio Lower Upper
136 100
137 11.1 9.8 14.8
54 9.2 5.4 8.2#
68 7.6 4.9 7.3#

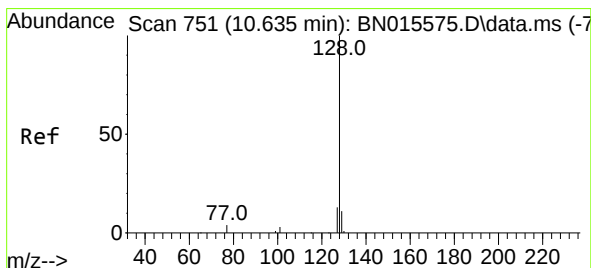
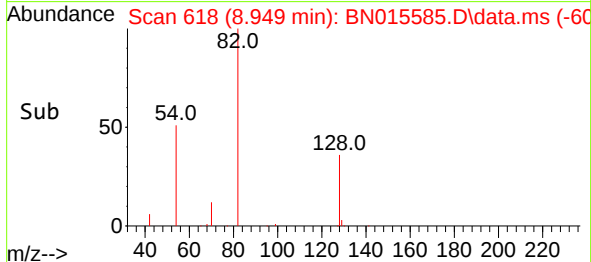
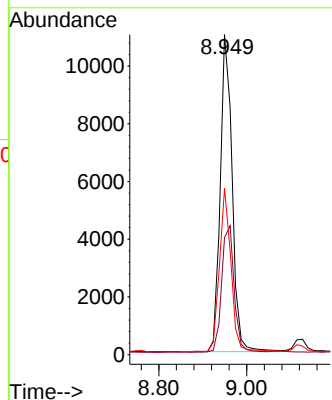
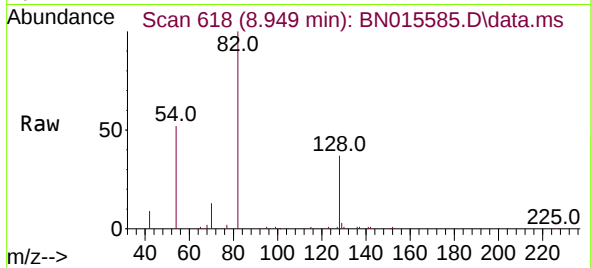




#8
Nitrobenzene-d5
Concen: 0.42 ng
RT: 8.949 min Scan# 618
Delta R.T. 0.000 min
Lab File: BN015585.D
Acq: 15 Jul 2021 19:01

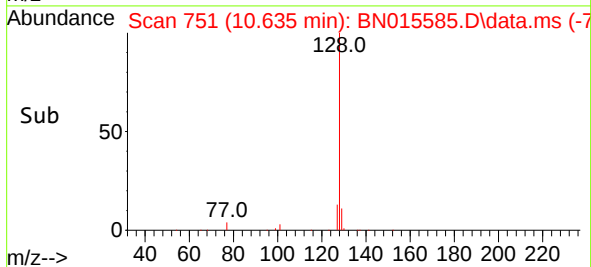
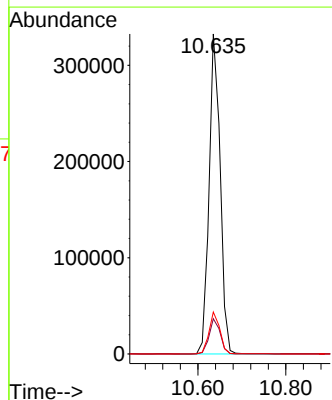
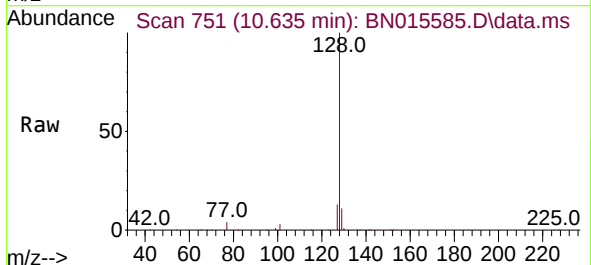
Instrument :
BNA_N
ClientSampleId :
MW-8D

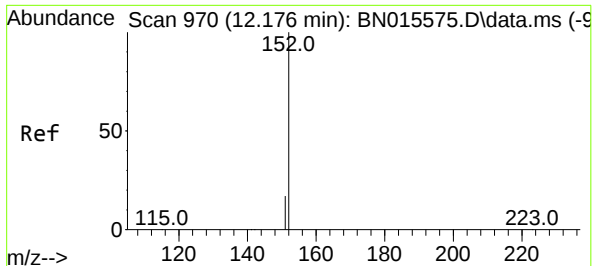
Tgt Ion:	82	Resp:	20664
Ion Ratio	Lower	Upper	
82	100		
128	36.6	31.6	47.4
54	52.0	29.0	43.4#



#9
Naphthalene
Concen: 2.95 ng
RT: 10.635 min Scan# 751
Delta R.T. 0.000 min
Lab File: BN015585.D
Acq: 15 Jul 2021 19:01

Tgt Ion:	128	Resp:	579122
Ion Ratio	Lower	Upper	
128	100		
129	11.0	9.1	13.7
127	13.1	11.8	17.6

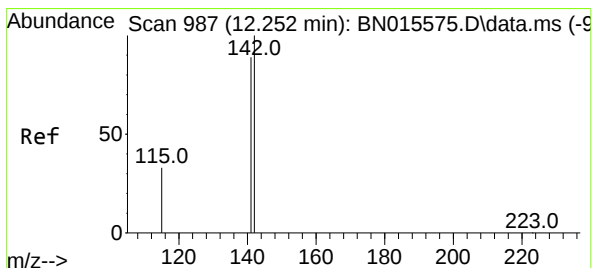
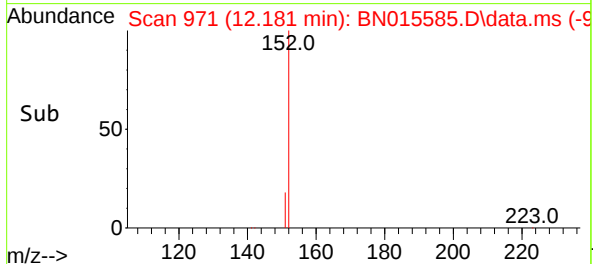
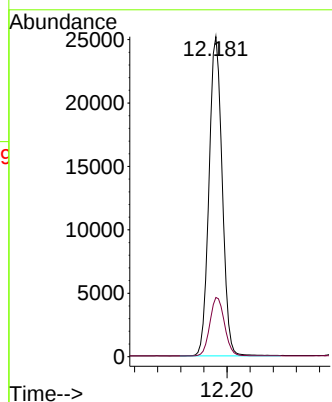
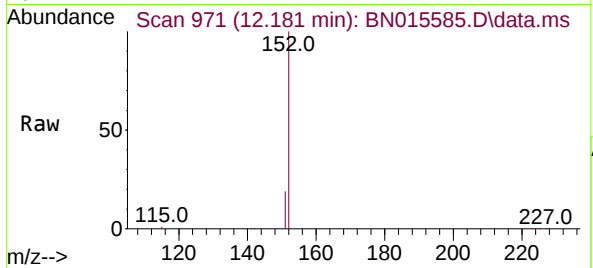




#11
2-Methylnaphthalene-d10
Concen: 0.36 ng
RT: 12.181 min Scan# 971
Delta R.T. 0.004 min
Lab File: BN015585.D
Acq: 15 Jul 2021 19:01

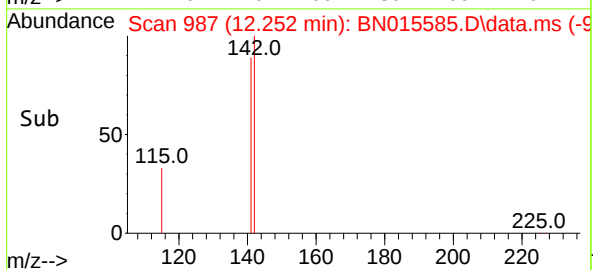
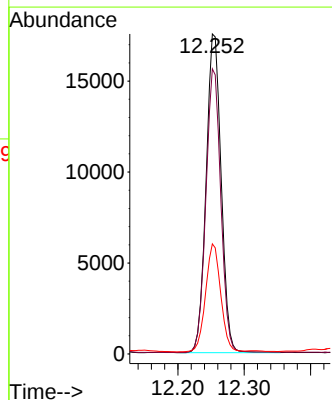
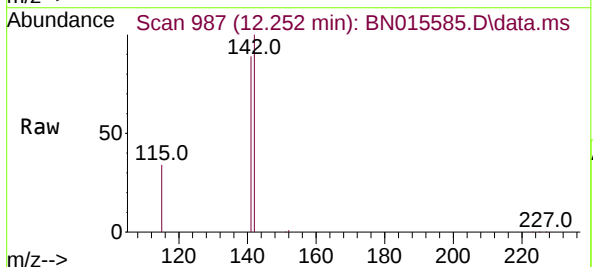
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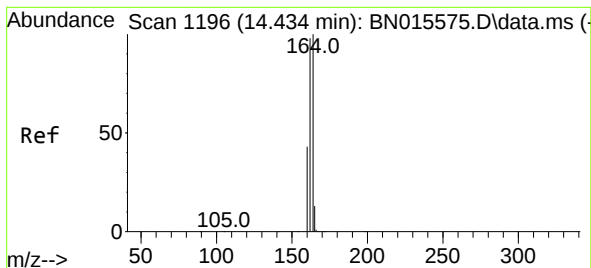
Tgt Ion:152 Resp: 39903
Ion Ratio Lower Upper
152 100
151 20.4 16.7 25.1



#12
2-Methylnaphthalene
Concen: 0.22 ng
RT: 12.252 min Scan# 987
Delta R.T. 0.000 min
Lab File: BN015585.D
Acq: 15 Jul 2021 19:01

Tgt Ion:142 Resp: 27635
Ion Ratio Lower Upper
142 100
141 89.1 72.3 108.5
115 34.4 40.7 61.1#

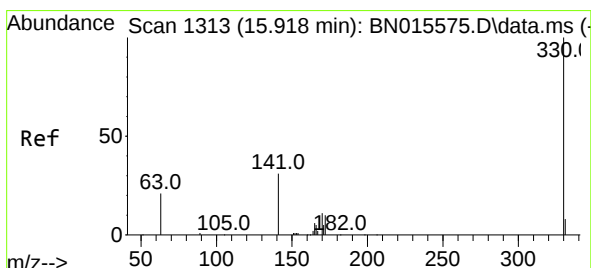
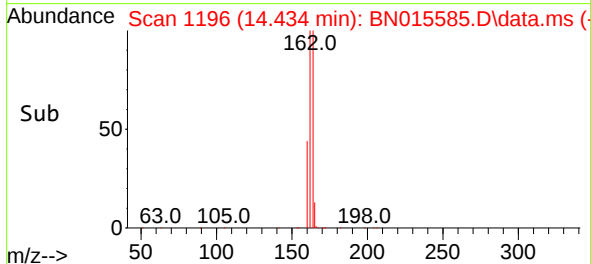
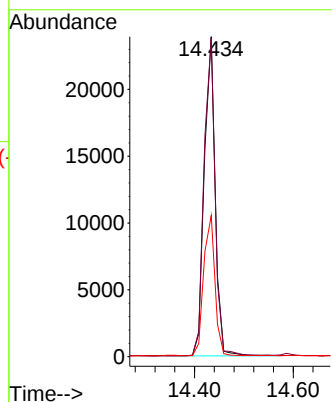
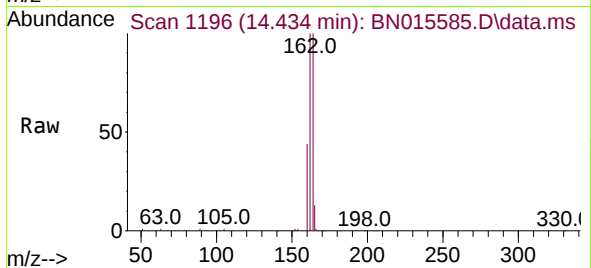




#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.434 min Scan# 1196
Delta R.T. -0.000 min
Lab File: BN015585.D
Acq: 15 Jul 2021 19:01

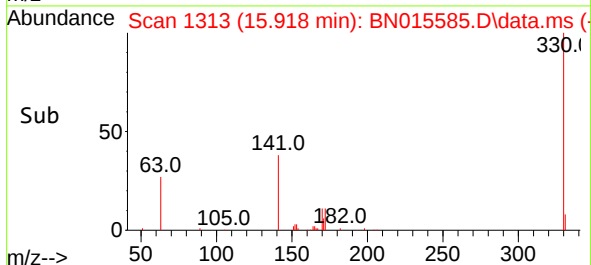
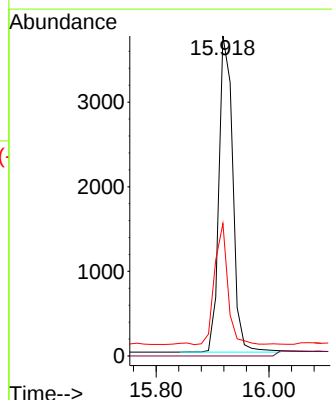
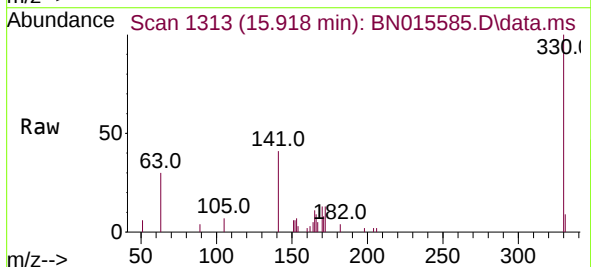
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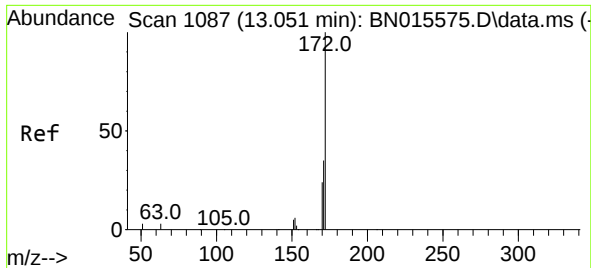
Tgt Ion:164 Resp: 36664
Ion Ratio Lower Upper
164 100
162 99.5 83.8 125.6
160 44.1 37.4 56.0



#14
2,4,6-Tribromophenol
Concen: 0.47 ng
RT: 15.918 min Scan# 1313
Delta R.T. 0.000 min
Lab File: BN015585.D
Acq: 15 Jul 2021 19:01

Tgt Ion:330 Resp: 6354
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 36.6 22.4 33.6#

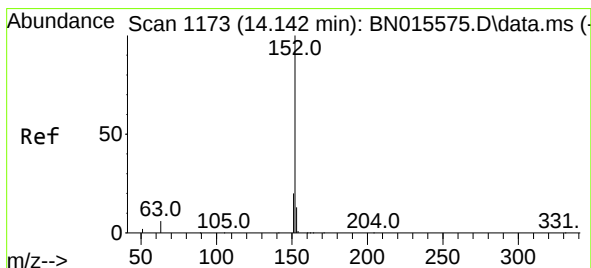
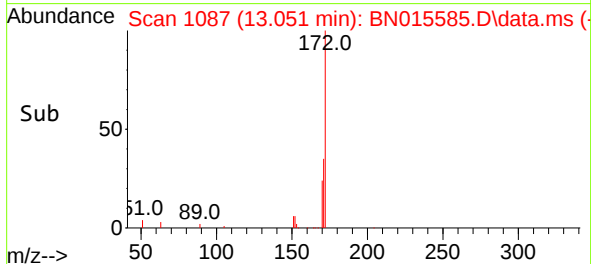
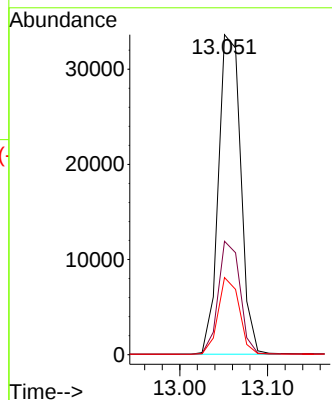
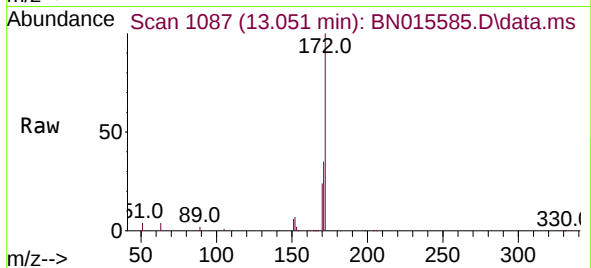




#15
2-Fluorobiphenyl
Concen: 0.40 ng
RT: 13.051 min Scan# 1087
Delta R.T. 0.000 min
Lab File: BN015585.D
Acq: 15 Jul 2021 19:01

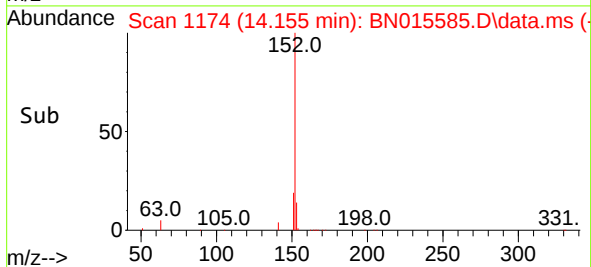
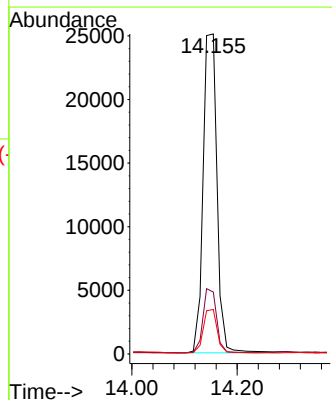
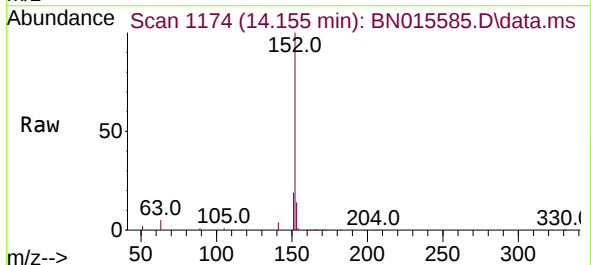
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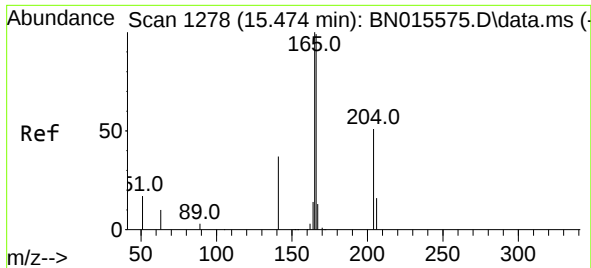
Tgt Ion:	172	Resp:	59432
Ion Ratio	Lower	Upper	
172	100		
171	35.5	30.6	45.8
170	24.1	20.2	30.4



#16
Acenaphthylene
Concen: 0.27 ng
RT: 14.155 min Scan# 1174
Delta R.T. 0.013 min
Lab File: BN015585.D
Acq: 15 Jul 2021 19:01

Tgt Ion:	152	Resp:	45996
Ion Ratio	Lower	Upper	
152	100		
151	19.7	16.7	25.1
153	13.6	10.5	15.7

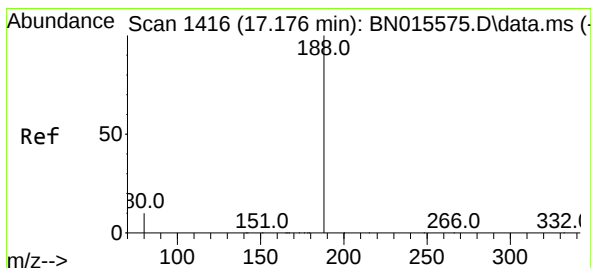
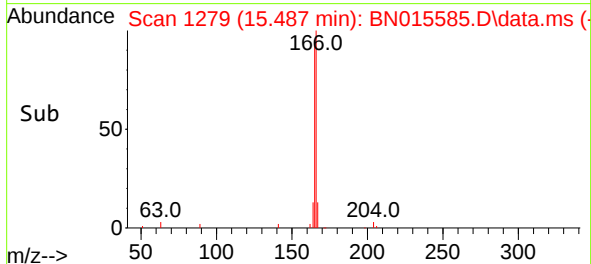
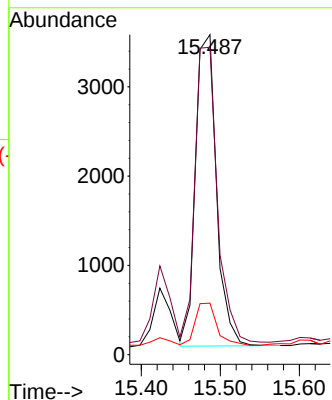
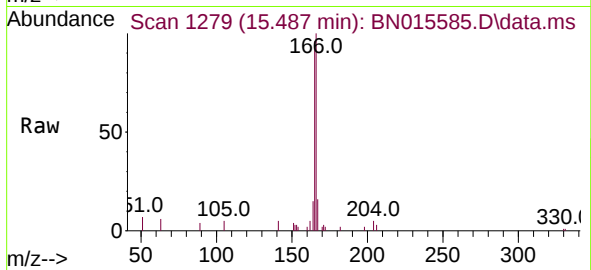




#18
Fluorene
Concen: 0.05 ng
RT: 15.487 min Scan# 1279
Delta R.T. 0.013 min
Lab File: BN015585.D
Acq: 15 Jul 2021 19:01

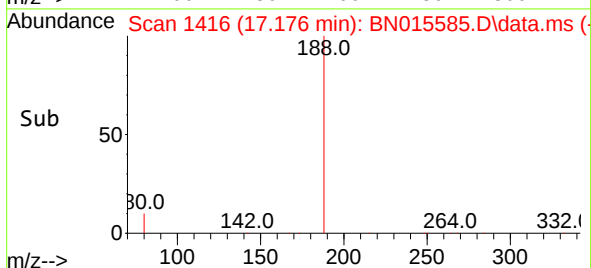
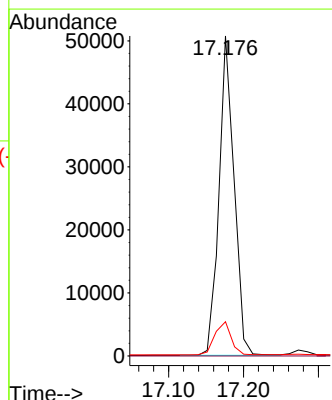
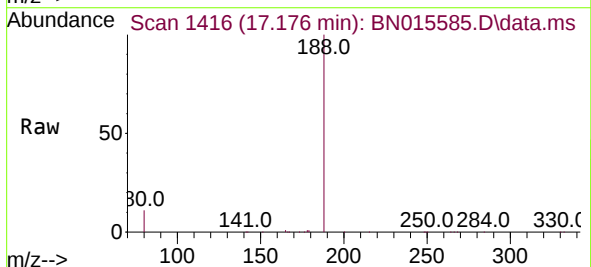
Instrument :
BNA_N
ClientSampleId :
MW-8D

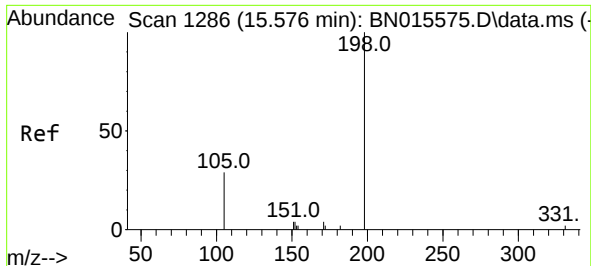
Tgt Ion:166 Resp: 6443
Ion Ratio Lower Upper
166 100
165 100.5 79.2 118.8
167 14.1 10.7 16.1



#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.176 min Scan# 1416
Delta R.T. -0.000 min
Lab File: BN015585.D
Acq: 15 Jul 2021 19:01

Tgt Ion:188 Resp: 70898
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 10.7 9.0 13.4

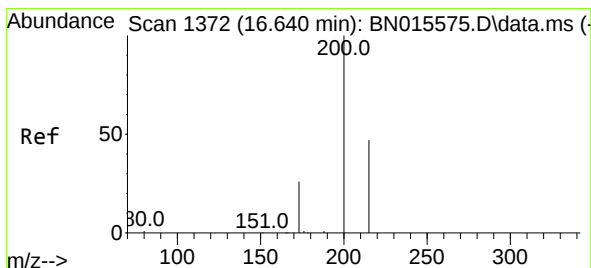
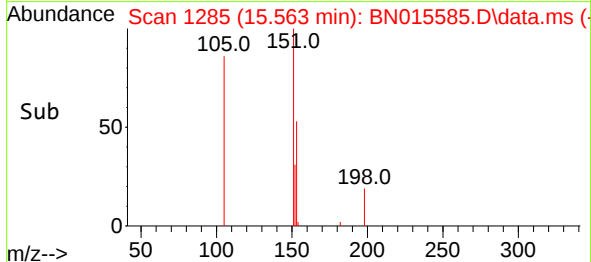
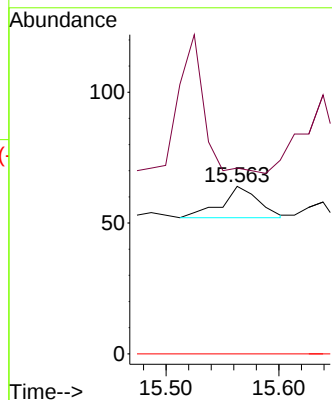
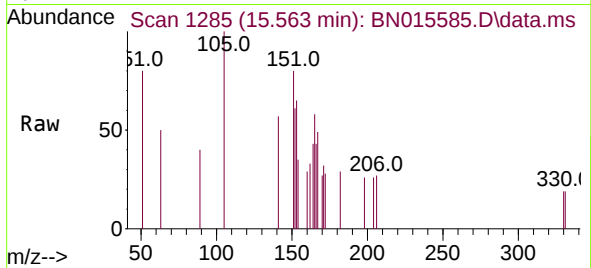




#20
4,6-Dinitro-2-methylphenol
Concen: Below Cal
RT: 15.563 min Scan# 1285
Delta R.T. -0.013 min
Lab File: BN015585.D
Acq: 15 Jul 2021 19:01

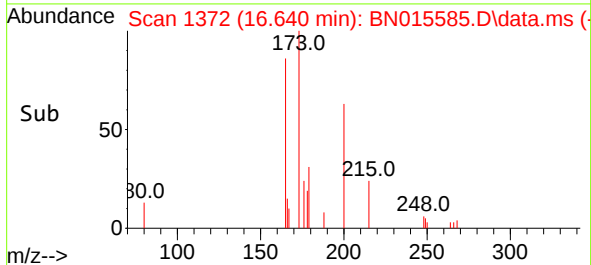
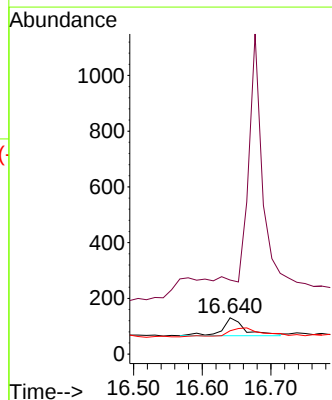
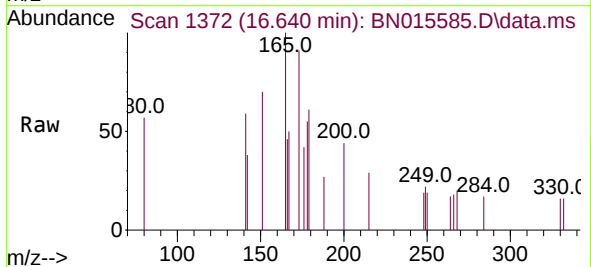
Instrument :
BNA_N
ClientSampleId :
MW-8D

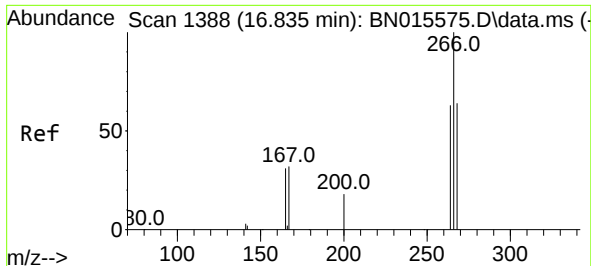
Tgt Ion:198 Resp: 27
Ion Ratio Lower Upper
198 100
182 110.9 34.5 51.7#
77 0.0 0.0 0.0



#23
Atrazine
Concen: 0.10 ng
RT: 16.640 min Scan# 1372
Delta R.T. 0.000 min
Lab File: BN015585.D
Acq: 15 Jul 2021 19:01

Tgt Ion:200 Resp: 147
Ion Ratio Lower Upper
200 100
173 204.6 21.7 32.5#
215 64.6 43.1 64.7

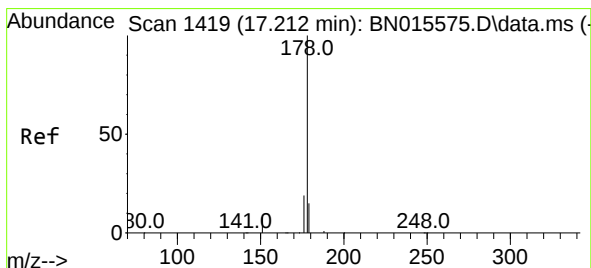
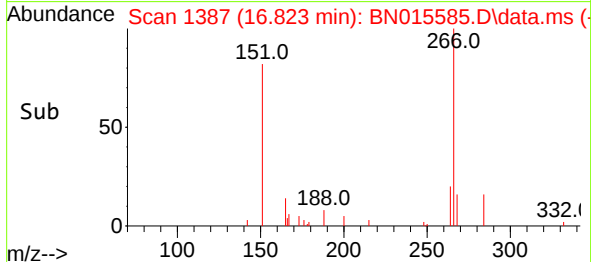
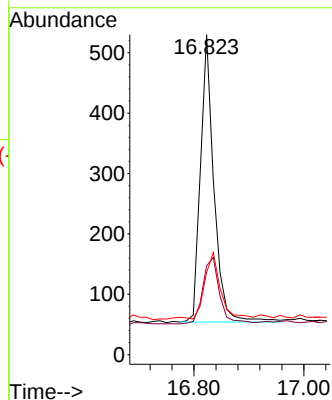
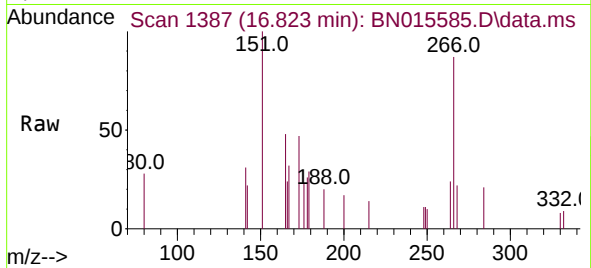




#24
Pentachlorophenol
Concen: 0.34 ng
RT: 16.823 min Scan# 1387
Delta R.T. -0.012 min
Lab File: BN015585.D
Acq: 15 Jul 2021 19:01

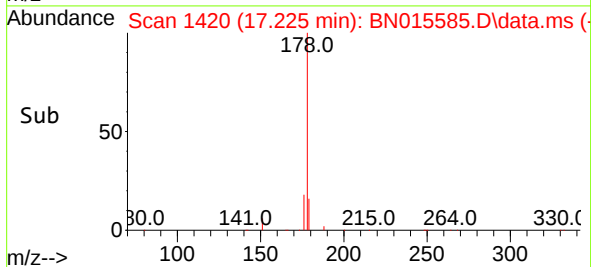
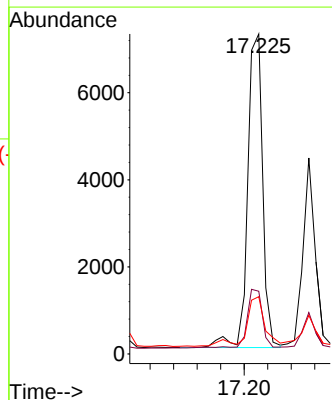
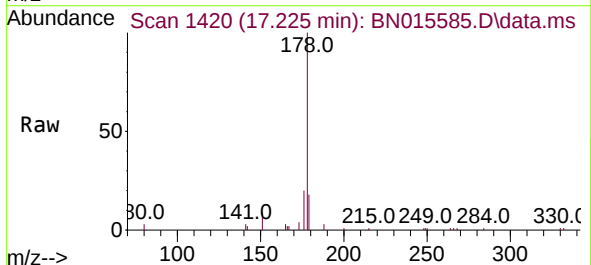
Instrument :
BNA_N
ClientSampleId :
MW-8D

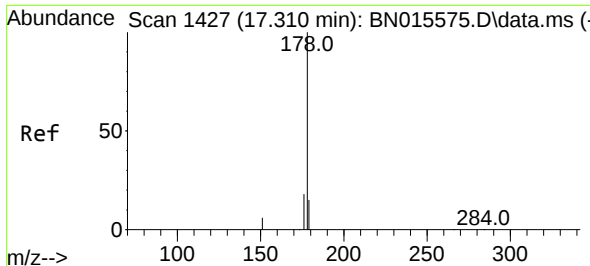
Tgt Ion:266 Resp: 812
Ion Ratio Lower Upper
266 100
264 28.7 51.0 76.4#
268 25.0 50.6 76.0#



#25
Phenanthrene
Concen: 0.06 ng
RT: 17.225 min Scan# 1420
Delta R.T. 0.012 min
Lab File: BN015585.D
Acq: 15 Jul 2021 19:01

Tgt Ion:178 Resp: 12739
Ion Ratio Lower Upper
178 100
176 19.6 15.6 23.4
179 16.4 12.1 18.1

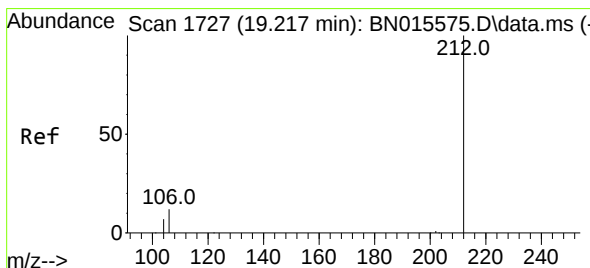
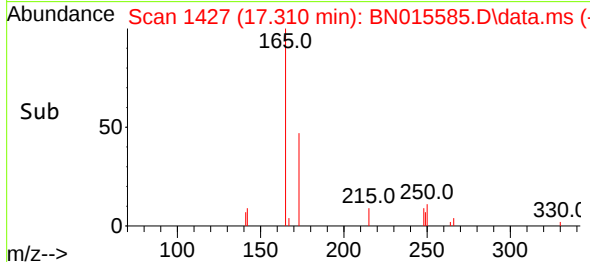
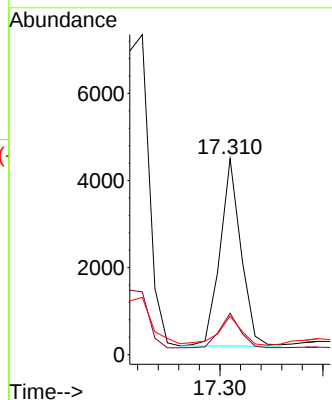
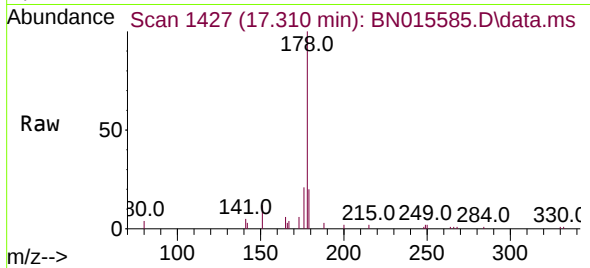




#26
 Anthracene
 Concen: 0.03 ng
 RT: 17.310 min Scan# 1427
 Delta R.T. 0.000 min
 Lab File: BN015585.D
 Acq: 15 Jul 2021 19:01

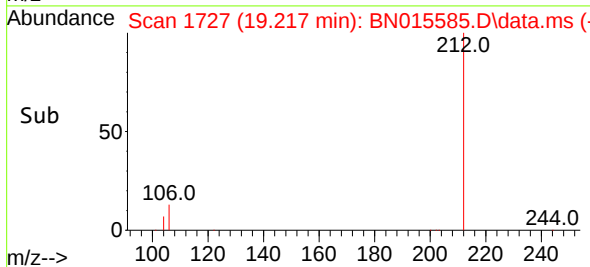
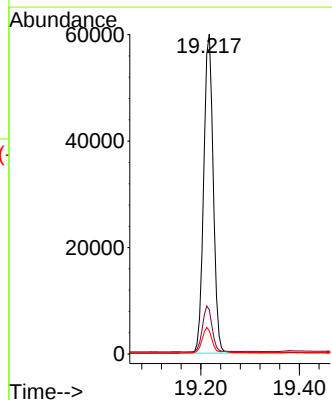
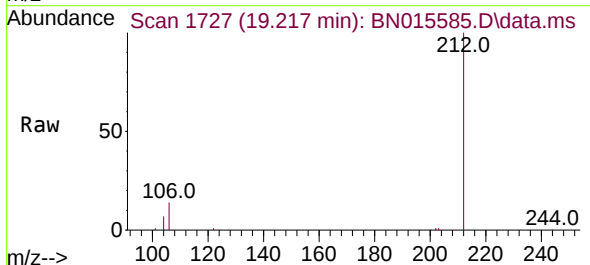
Instrument :
 BNA_N
 ClientSampleId :
 MW-8D

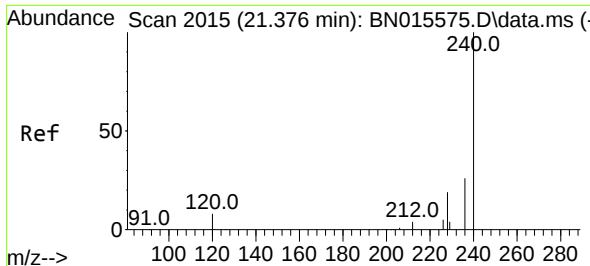
Tgt Ion:	178	Resp:	6093
Ion Ratio	Lower	Upper	
178	100		
176	18.2	15.1	22.7
179	16.8	12.2	18.2



#27
 Fluoranthene-d10
 Concen: 0.38 ng
 RT: 19.217 min Scan# 1727
 Delta R.T. 0.000 min
 Lab File: BN015585.D
 Acq: 15 Jul 2021 19:01

Tgt Ion:	212	Resp:	80841
Ion Ratio	Lower	Upper	
212	100		
106	14.5	7.0	10.6#
104	7.9	4.1	6.1#

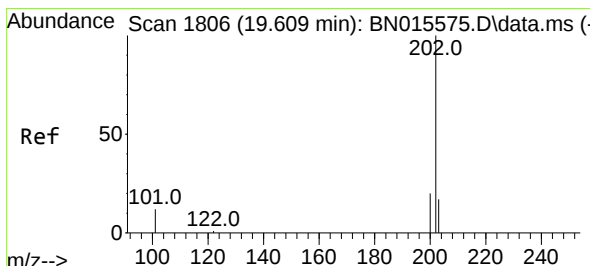
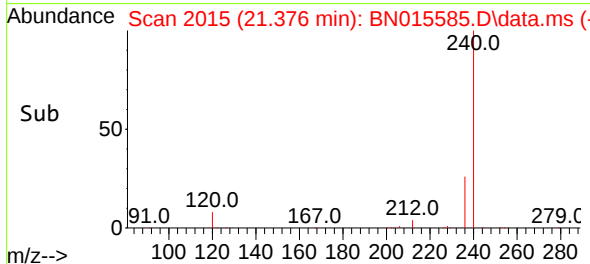
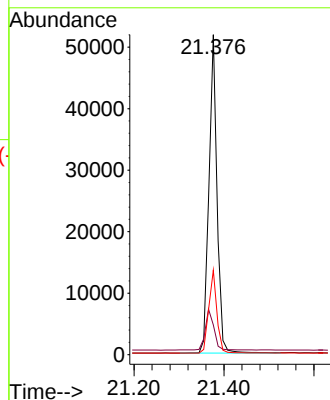
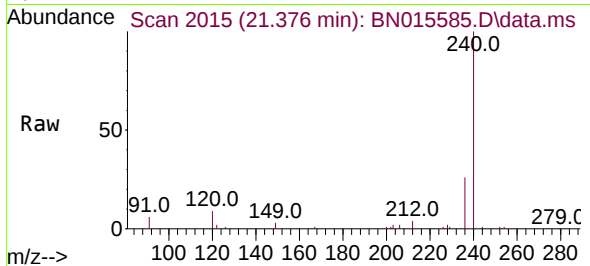




#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.376 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BN015585.D
Acq: 15 Jul 2021 19:01

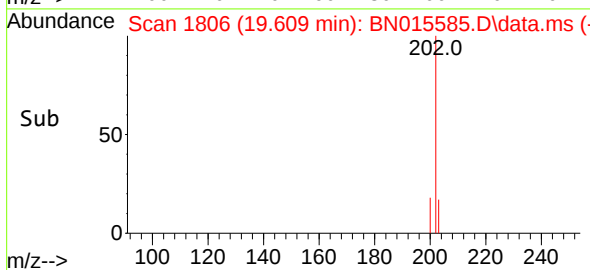
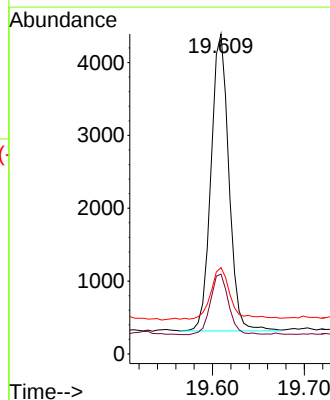
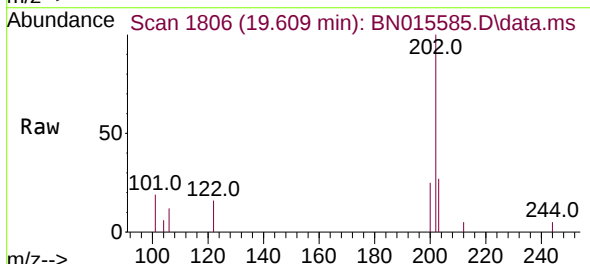
Instrument :
BNA_N
ClientSampleId :
MW-8D

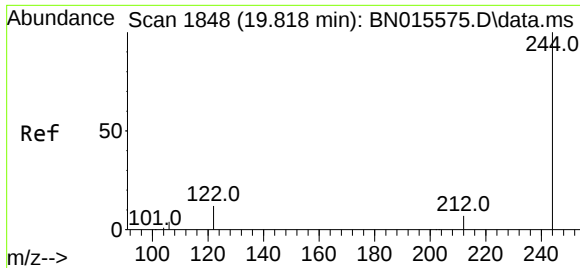
Tgt Ion:240 Resp: 64308
Ion Ratio Lower Upper
240 100
120 9.3 4.2 6.4#
236 26.4 21.4 32.2



#30
Pyrene
Concen: 0.02 ng
RT: 19.609 min Scan# 1806
Delta R.T. 0.000 min
Lab File: BN015585.D
Acq: 15 Jul 2021 19:01

Tgt Ion:202 Resp: 5517
Ion Ratio Lower Upper
202 100
200 20.8 16.9 25.3
203 18.9 13.9 20.9

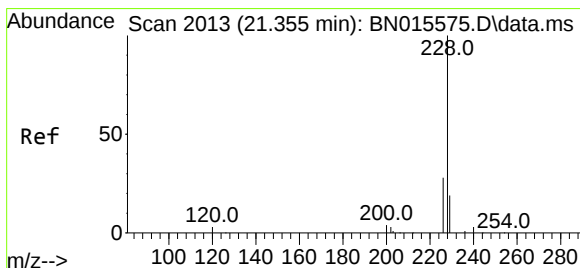
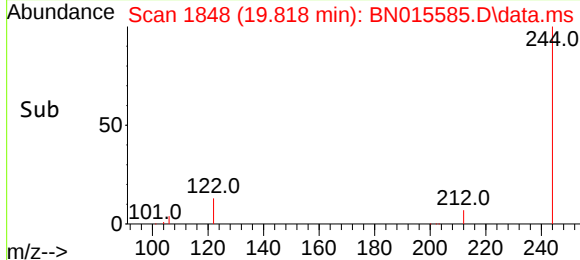
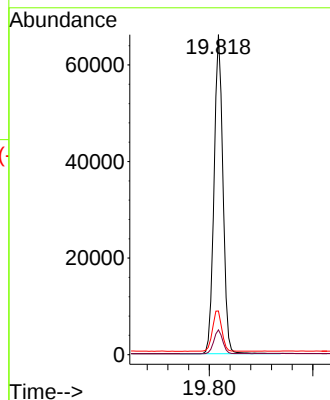
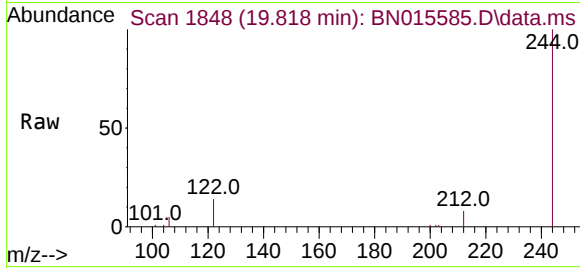




#31
 Terphenyl-d14
 Concen: 0.52 ng
 RT: 19.818 min Scan# 1848
 Delta R.T. 0.000 min
 Lab File: BN015585.D
 Acq: 15 Jul 2021 19:01

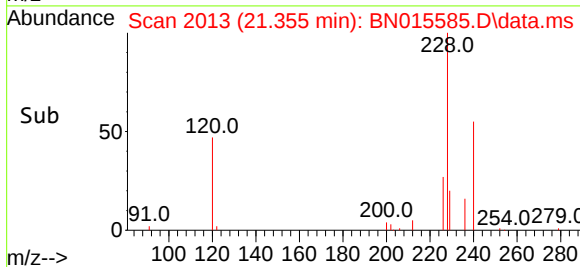
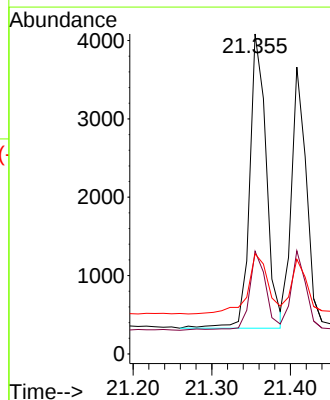
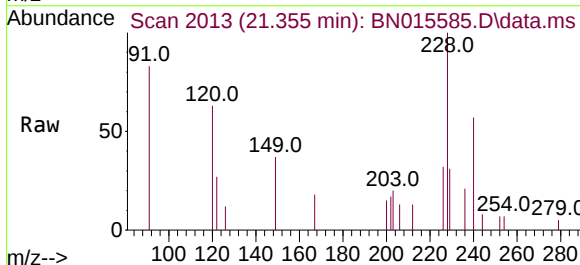
Instrument :
 BNA_N
 ClientSampled :
 MW-8D

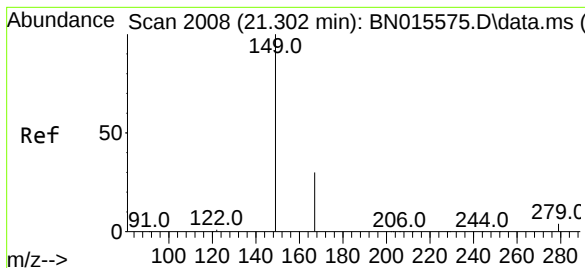
Tgt Ion:244 Resp: 78862
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.3 9.5
 122 13.7 6.2 9.2#



#32
 Benzo(a)anthracene
 Concen: 0.02 ng
 RT: 21.355 min Scan# 2013
 Delta R.T. 0.000 min
 Lab File: BN015585.D
 Acq: 15 Jul 2021 19:01

Tgt Ion:228 Resp: 5511
 Ion Ratio Lower Upper
 228 100
 226 32.1 23.0 34.6
 229 31.3 15.7 23.5#

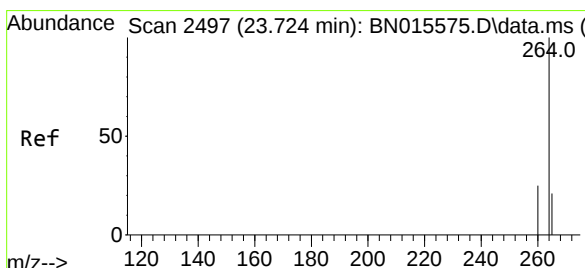
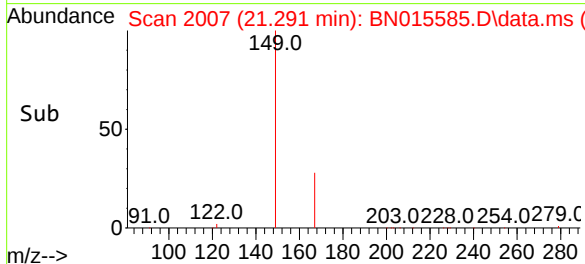
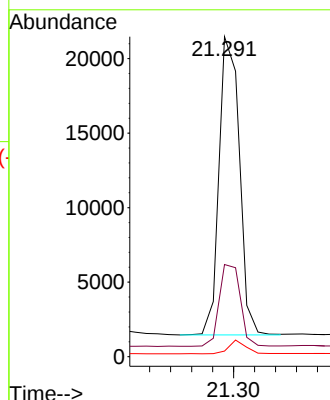
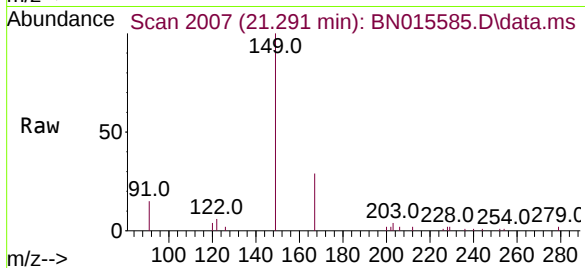




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.28 ng
RT: 21.291 min Scan# 2007
Delta R.T. -0.011 min
Lab File: BN015585.D
Acq: 15 Jul 2021 19:01

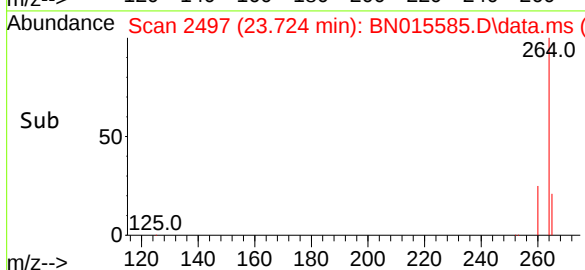
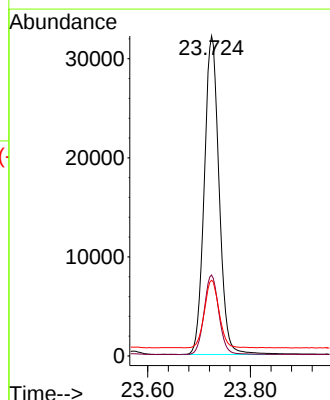
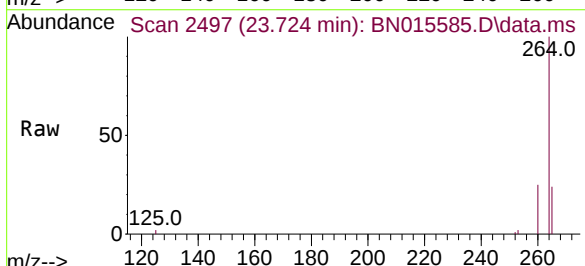
Instrument :
BNA_N
ClientSampleId :
MW-8D

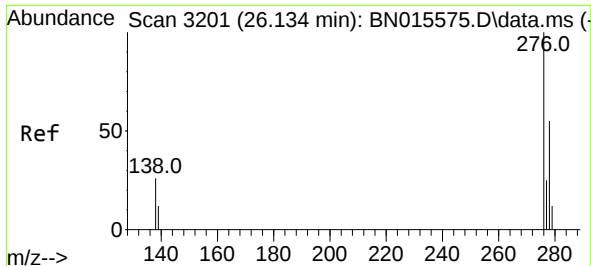
Tgt Ion:149 Resp: 26975
Ion Ratio Lower Upper
149 100
167 28.8 28.9 43.3#
279 3.9 4.9 7.3#



#35
Perylene-d12
Concen: 0.40 ng
RT: 23.724 min Scan# 2497
Delta R.T. 0.000 min
Lab File: BN015585.D
Acq: 15 Jul 2021 19:01

Tgt Ion:264 Resp: 64301
Ion Ratio Lower Upper
264 100
260 25.3 20.6 31.0
265 23.7 21.4 32.2

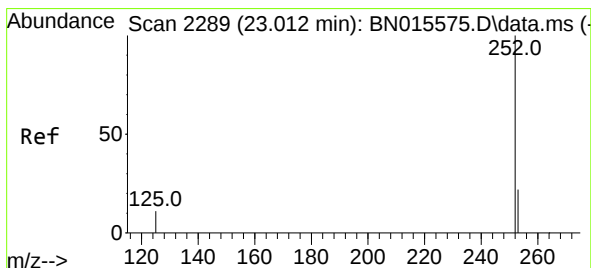
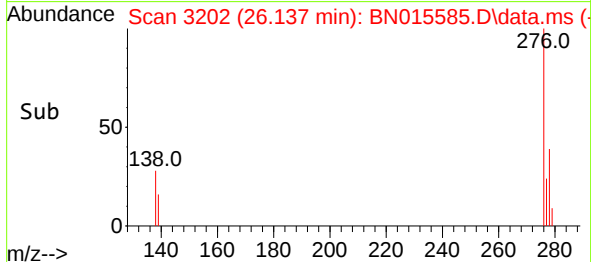
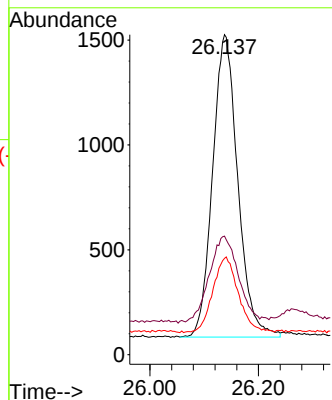
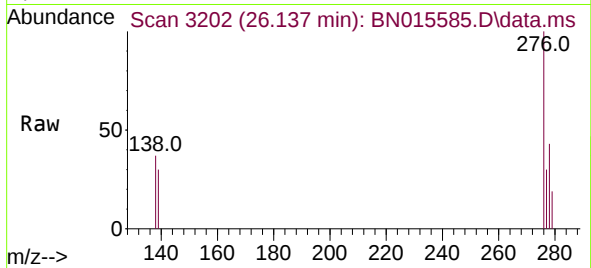




#36
Indeno(1,2,3-cd)pyrene
Concen: 0.02 ng
RT: 26.137 min Scan# 3202
Delta R.T. 0.003 min
Lab File: BN015585.D
Acq: 15 Jul 2021 19:01

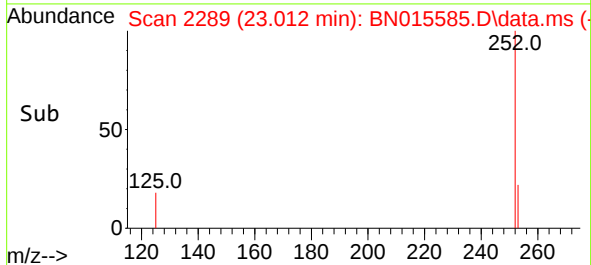
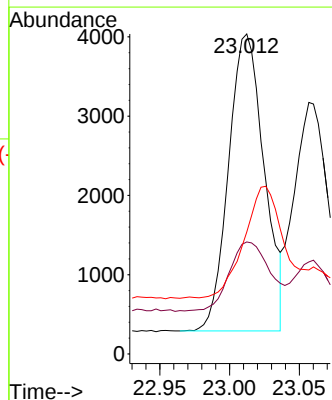
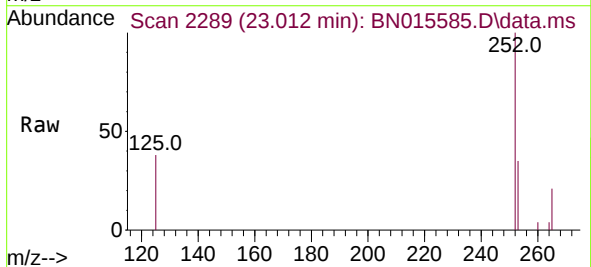
Instrument :
BNA_N
ClientSampleId :
MW-8D

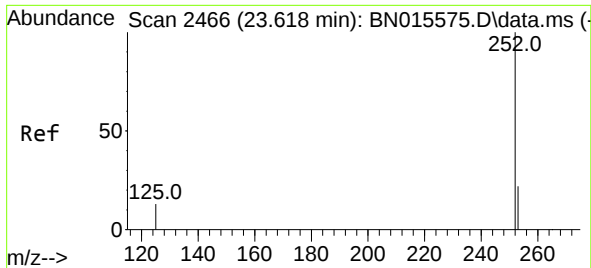
Tgt Ion:276 Resp: 4647
Ion Ratio Lower Upper
276 100
138 32.2 10.0 15.0#
277 25.4 20.4 30.6



#37
Benzo(b)fluoranthene
Concen: 0.03 ng
RT: 23.012 min Scan# 2289
Delta R.T. 0.000 min
Lab File: BN015585.D
Acq: 15 Jul 2021 19:01

Tgt Ion:252 Resp: 6663
Ion Ratio Lower Upper
252 100
253 35.0 18.5 27.7#
125 38.1 5.8 8.6#





#39

Benzo(a)pyrene

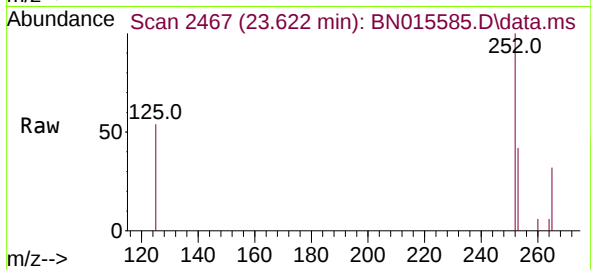
Concen: 0.02 ng

RT: 23.622 min Scan# 2467

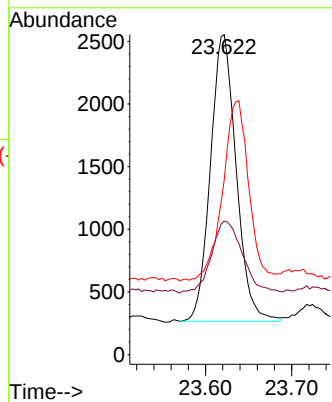
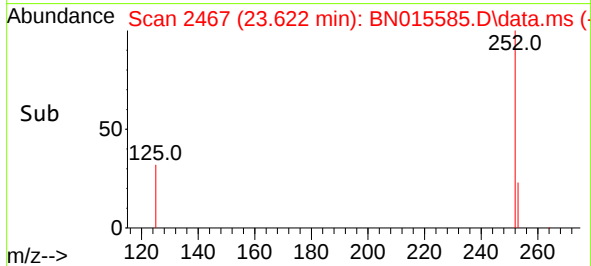
Delta R.T. 0.003 min

Lab File: BN015585.D

Acq: 15 Jul 2021 19:01



Tgt Ion:	252	Resp:	4744
Ion Ratio	Lower	Upper	
252	100		
253	41.8	19.4	29.2#
125	54.5	7.4	11.2#



Instrument :
BNA_N
ClientSampleId :
MW-8D