

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070621\
 Data File : BN015348.D
 Acq On : 06 Jul 2021 21:02
 Operator : CG/JU
 Sample : M2898-08
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-03-6.5-11.5-062921

Quant Time: Jul 07 01:33:08 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

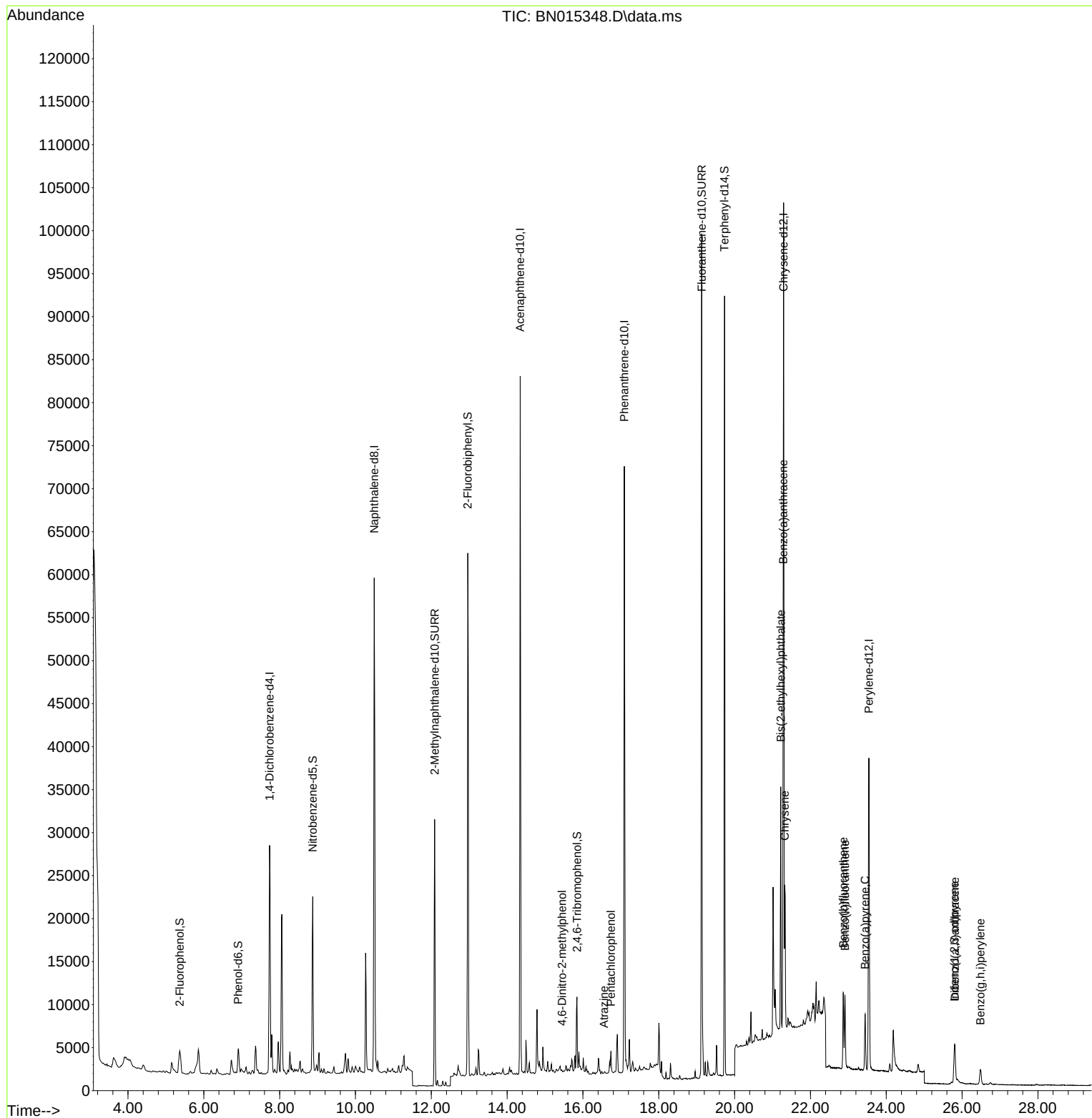
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.735	152	16286	0.40	ng	# 0.00
7) Naphthalene-d8	10.495	136	76479	0.40	ng	0.00
13) Acenaphthene-d10	14.345	164	44261	0.40	ng	0.00
19) Phenanthrene-d10	17.090	188	90132	0.40	ng	0.00
29) Chrysene-d12	21.291	240	81553	0.40	ng	#-0.01
35) Perylene-d12	23.539	264	47570	0.40	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.365	112	5063	0.12	ng	0.00
5) Phenol-d6	6.905	99	3472	0.07	ng	0.00
8) Nitrobenzene-d5	8.873	82	17674	0.41	ng	0.00
11) 2-Methylnaphthalene-d10	12.087	152	40147	0.32	ng	0.00
14) 2,4,6-Tribromophenol	15.842	330	7189	0.60	ng	0.00
15) 2-Fluorobiphenyl	12.962	172	55989	0.31	ng	0.00
27) Fluoranthene-d10	19.132	212	110527	0.42	ng	0.00
31) Terphenyl-d14	19.733	244	86433	0.45	ng	0.00
Target Compounds						
20) 4,6-Dinitro-2-methylph...	15.449	198	84	0.24	ng	# 29
23) Atrazine	16.555	200	83	0.17	ng	# 32
24) Pentachlorophenol	16.738	266	1589	0.39	ng	# 35
32) Benzo(a)anthracene	21.280	228	14396	0.05	ng	97
33) Chrysene	21.323	228	13819	0.05	ng	98
34) Bis(2-ethylhexyl)phtha...	21.217	149	24729	0.40	ng	# 87
36) Indeno(1,2,3-cd)pyrene	25.798	276	5013	0.03	ng	# 90
37) Benzo(b)fluoranthene	22.865	252	10972	0.06	ng	# 77
38) Benzo(k)fluoranthene	22.909	252	10460	0.05	ng	# 84
39) Benzo(a)pyrene	23.443	252	8301	0.05	ng	# 65
40) Dibenzo(a,h)anthracene	25.809	278	4598	0.03	ng	# 81
41) Benzo(g,h,i)perylene	26.483	276	3624	0.02	ng	# 76

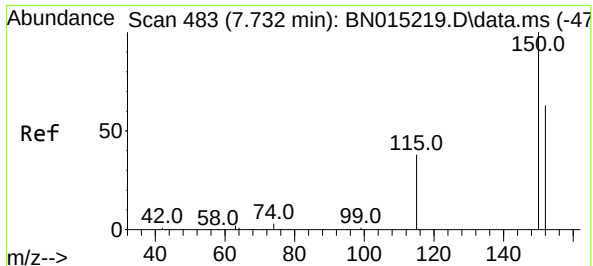
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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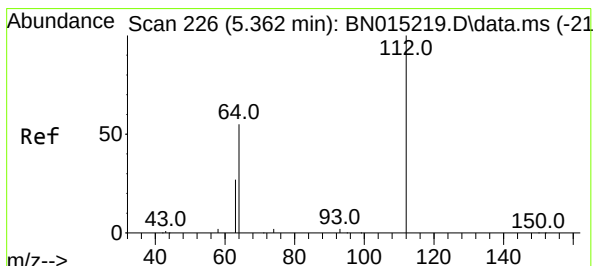
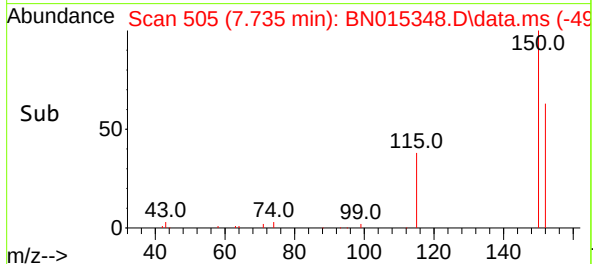
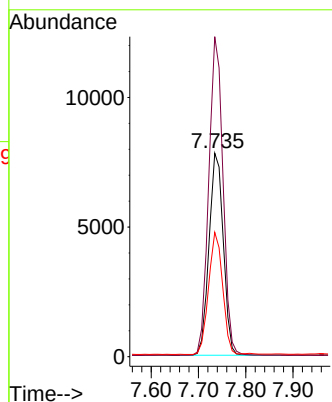
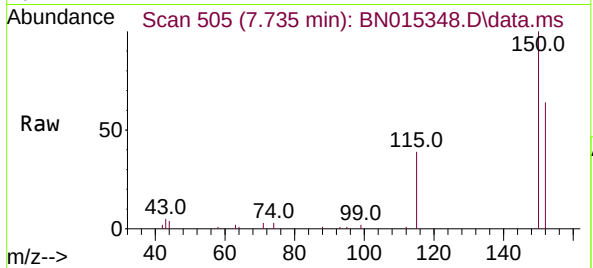




#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.735 min Scan# 505
Delta R.T. 0.003 min
Lab File: BN015348.D
Acq: 06 Jul 2021 21:02

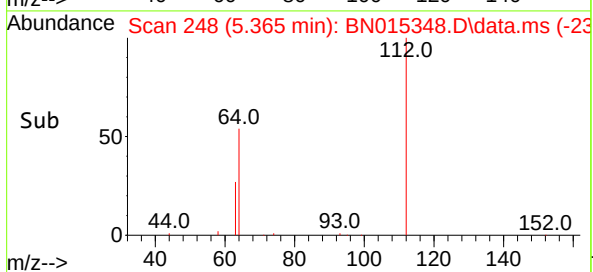
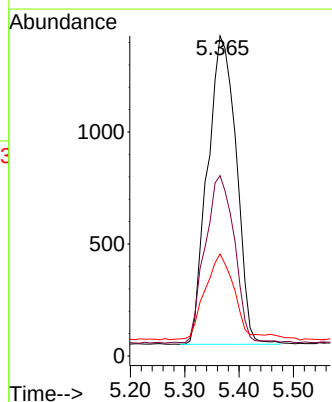
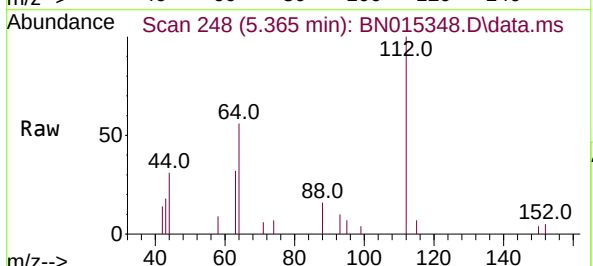
Instrument :
BNA_N
ClientSampleId :
MW-03-6.5-11.5-062921

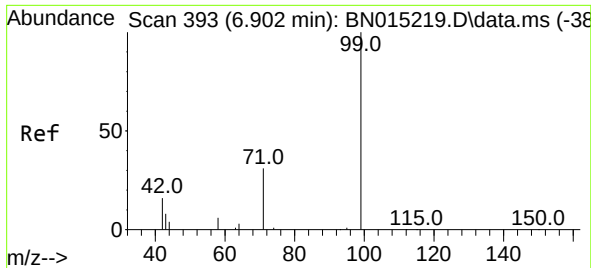
Tgt Ion:152 Resp: 16286
Ion Ratio Lower Upper
152 100
150 157.2 119.0 178.6
115 61.1 62.2 93.4#



#4
2-Fluorophenol
Concen: 0.12 ng
RT: 5.365 min Scan# 248
Delta R.T. 0.003 min
Lab File: BN015348.D
Acq: 06 Jul 2021 21:02

Tgt Ion:112 Resp: 5063
Ion Ratio Lower Upper
112 100
64 54.8 39.0 58.6
63 28.3 20.6 30.8

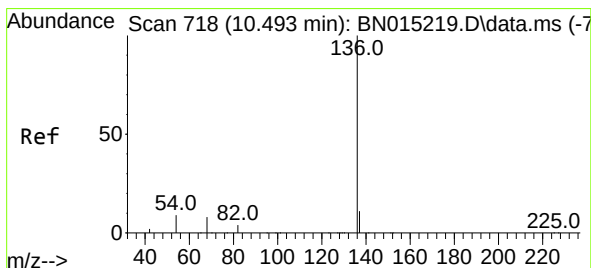
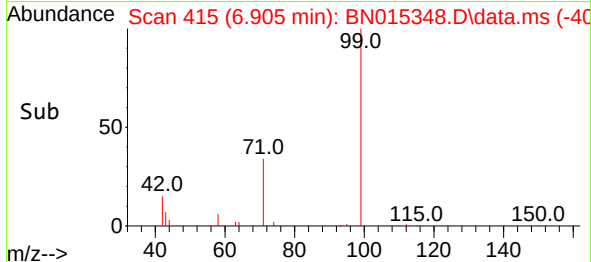
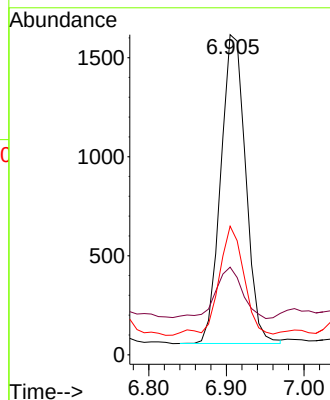
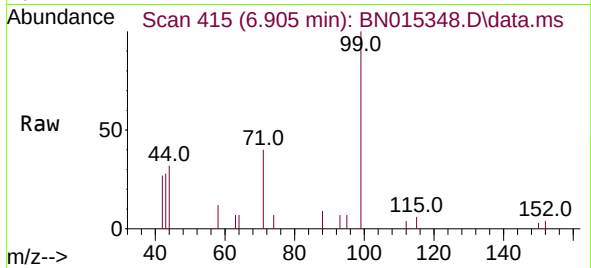




#5
Phenol-d6
Concen: 0.07 ng
RT: 6.905 min Scan# 415
Delta R.T. 0.003 min
Lab File: BN015348.D
Acq: 06 Jul 2021 21:02

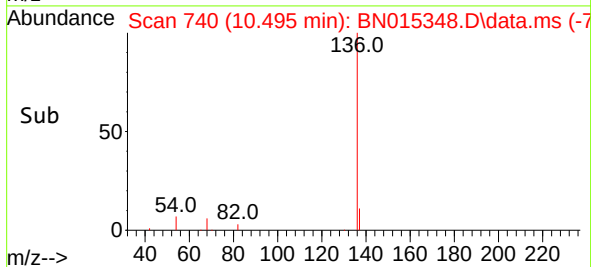
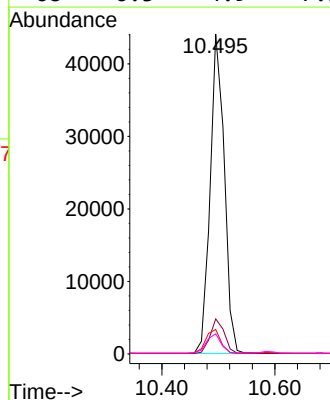
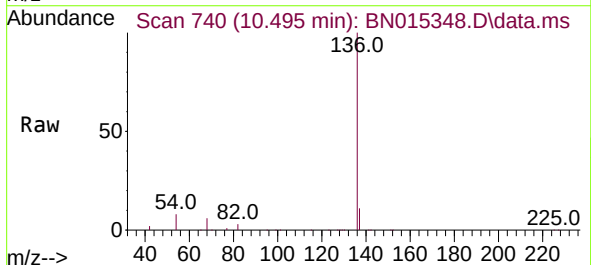
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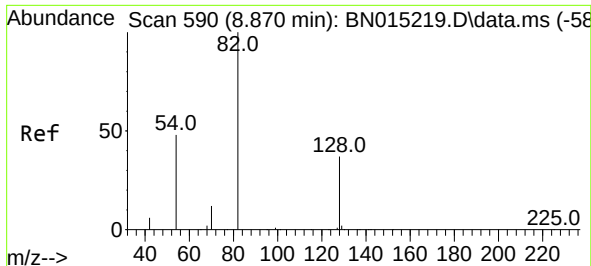
Tgt Ion: 99 Resp: 3472
Ion Ratio Lower Upper
99 100
42 17.9 8.9 13.3#
71 35.7 35.6 53.4



#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.495 min Scan# 740
Delta R.T. 0.003 min
Lab File: BN015348.D
Acq: 06 Jul 2021 21:02

Tgt Ion: 136 Resp: 76479
Ion Ratio Lower Upper
136 100
137 11.0 9.8 14.8
54 7.7 5.4 8.2
68 6.3 4.9 7.3

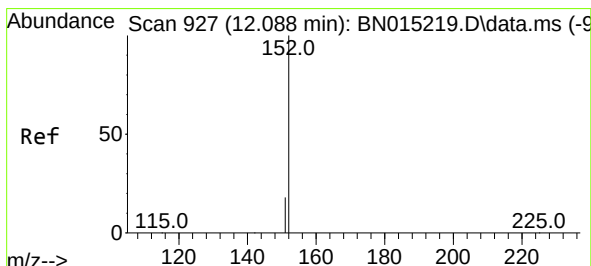
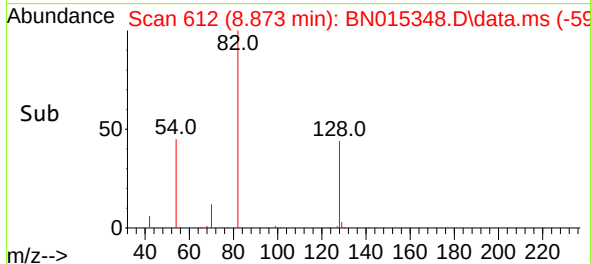
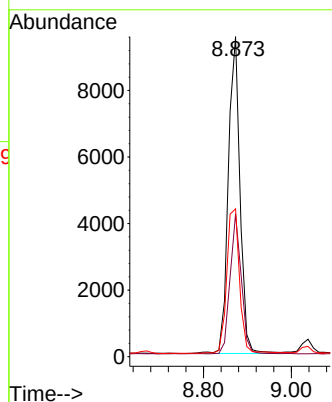
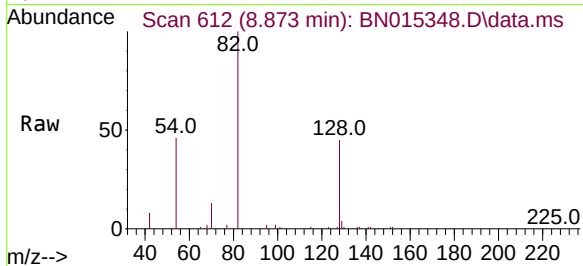




#8
Nitrobenzene-d5
Concen: 0.41 ng
RT: 8.873 min Scan# 612
Delta R.T. 0.003 min
Lab File: BN015348.D
Acq: 06 Jul 2021 21:02

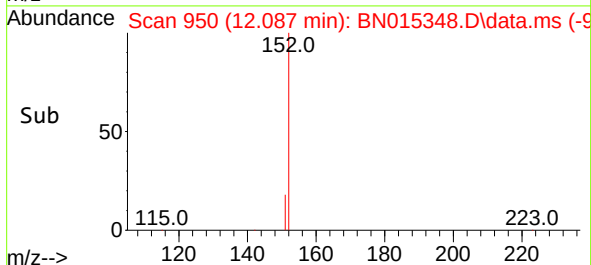
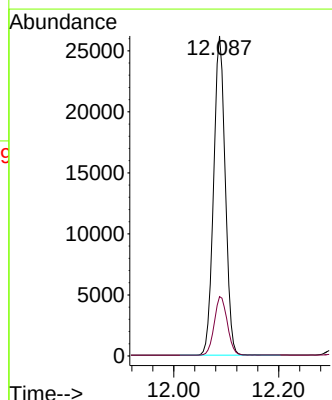
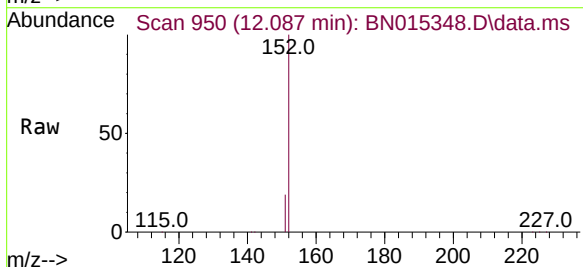
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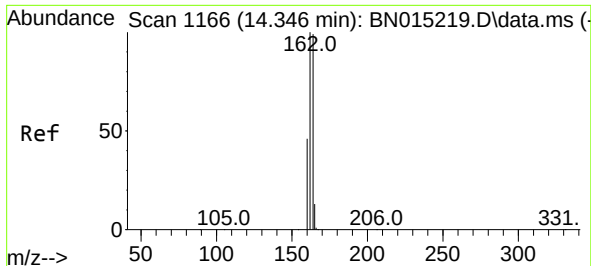
Tgt Ion: 82 Resp: 17674
Ion Ratio Lower Upper
82 100
128 44.7 31.6 47.4
54 46.2 29.0 43.4#



#11
2-Methylnaphthalene-d10
Concen: 0.32 ng
RT: 12.087 min Scan# 950
Delta R.T. -0.001 min
Lab File: BN015348.D
Acq: 06 Jul 2021 21:02

Tgt Ion: 152 Resp: 40147
Ion Ratio Lower Upper
152 100
151 20.5 16.7 25.1

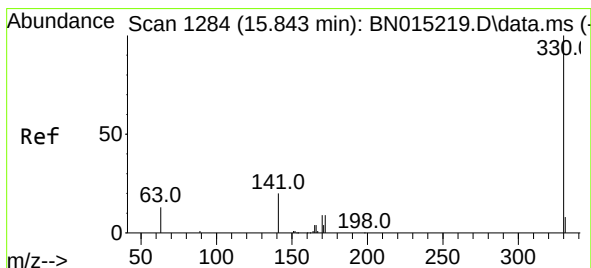
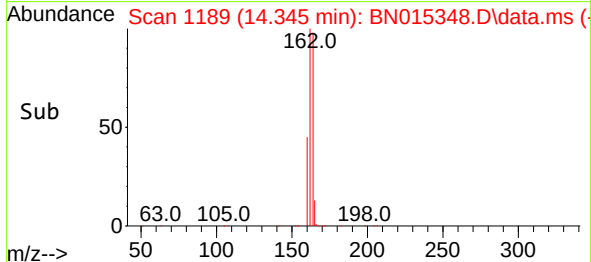
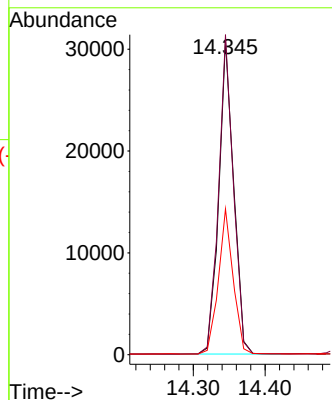
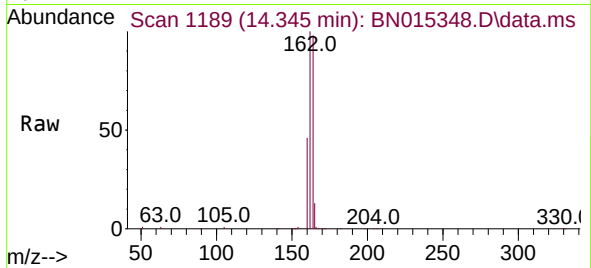




#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.345 min Scan# 1189
Delta R.T. -0.001 min
Lab File: BN015348.D
Acq: 06 Jul 2021 21:02

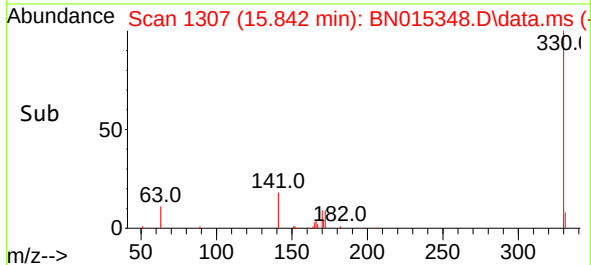
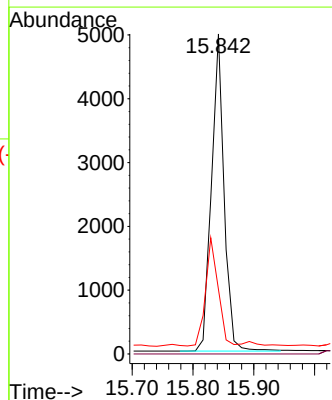
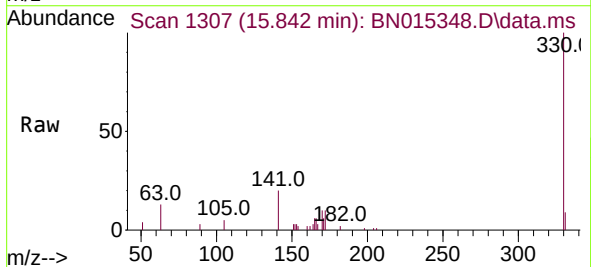
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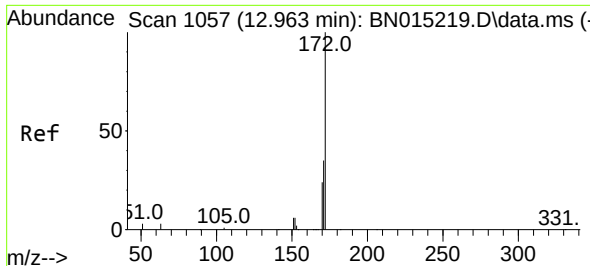
Tgt Ion:164 Resp: 44261
Ion Ratio Lower Upper
164 100
162 101.8 83.8 125.6
160 46.4 37.4 56.0



#14
2,4,6-Tribromophenol
Concen: 0.60 ng
RT: 15.842 min Scan# 1307
Delta R.T. -0.001 min
Lab File: BN015348.D
Acq: 06 Jul 2021 21:02

Tgt Ion:330 Resp: 7189
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 34.1 22.4 33.6#

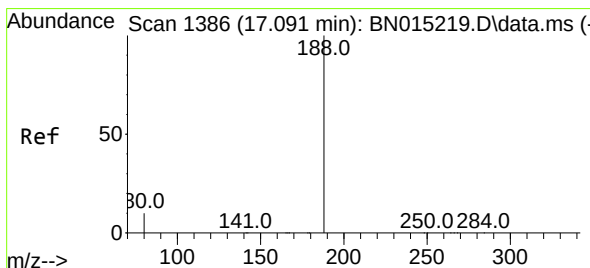
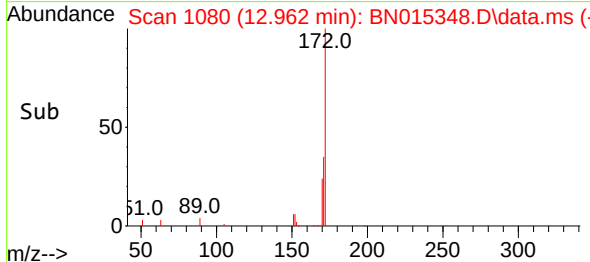
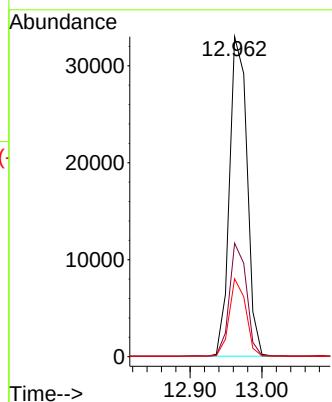
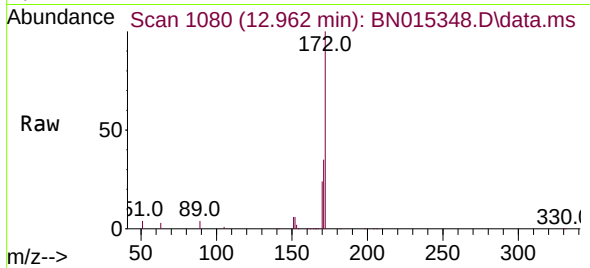




#15
2-Fluorobiphenyl
Concen: 0.31 ng
RT: 12.962 min Scan# 1080
Delta R.T. -0.001 min
Lab File: BN015348.D
Acq: 06 Jul 2021 21:02

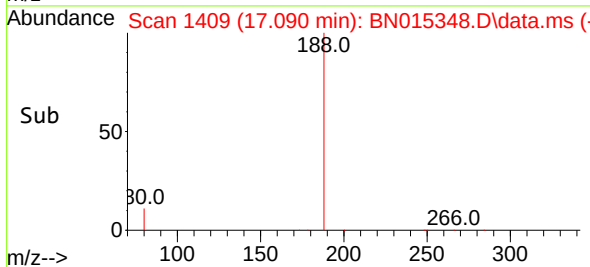
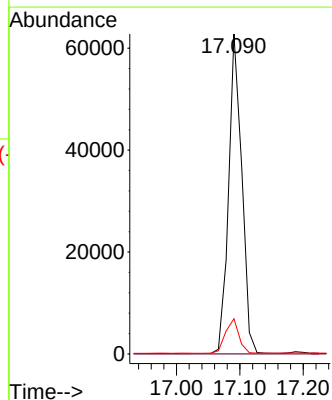
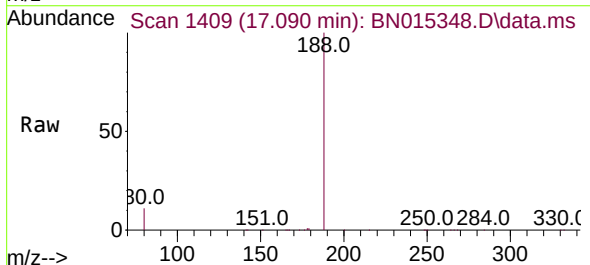
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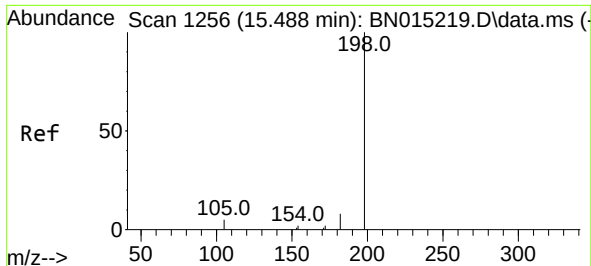
Tgt Ion:	172	Resp:	55989
Ion Ratio	Lower	Upper	
172	100		
171	35.5	30.6	45.8
170	24.3	20.2	30.4



#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.090 min Scan# 1409
Delta R.T. -0.001 min
Lab File: BN015348.D
Acq: 06 Jul 2021 21:02

Tgt Ion:	188	Resp:	90132
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	11.0	9.0	13.4

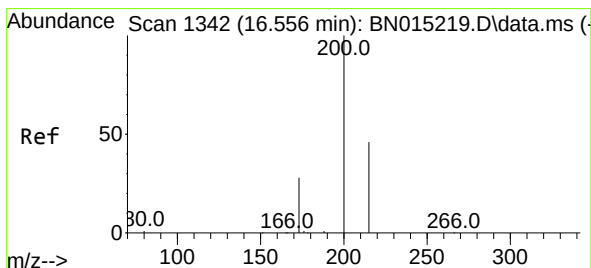
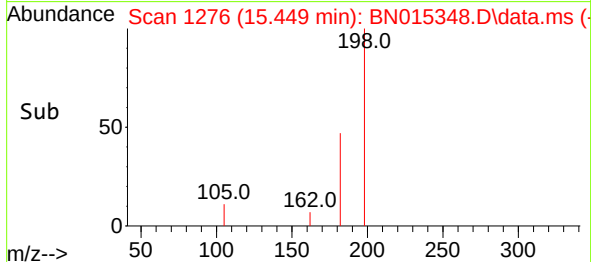
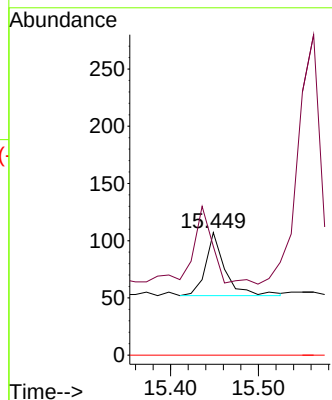
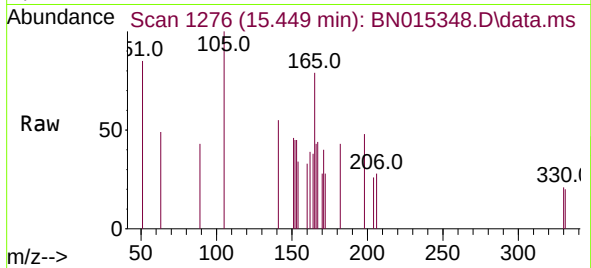




#20
4,6-Dinitro-2-methylphenol
Concen: 0.24 ng
RT: 15.449 min Scan# 1276
Delta R.T. -0.039 min
Lab File: BN015348.D
Acq: 06 Jul 2021 21:02

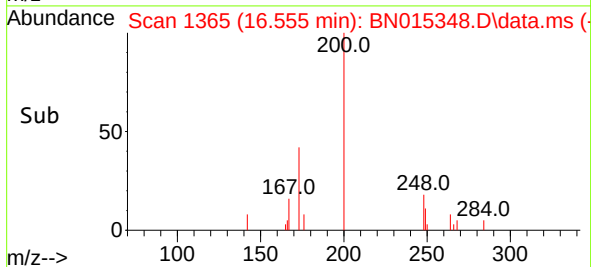
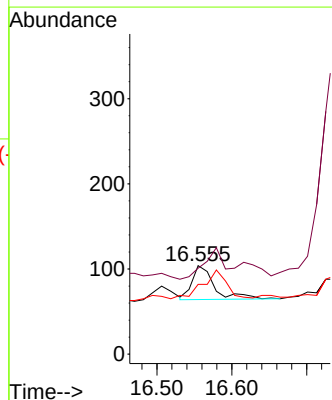
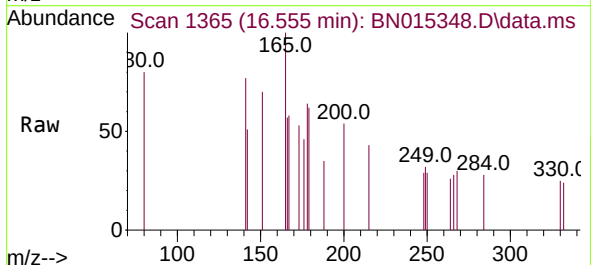
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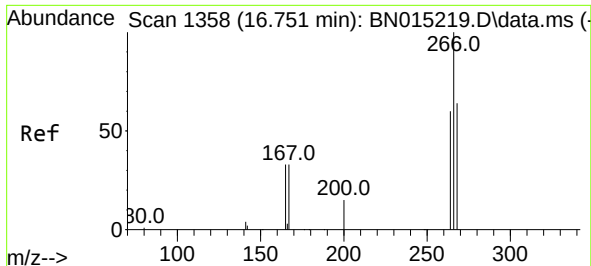
Tgt Ion:198 Resp: 84
Ion Ratio Lower Upper
198 100
182 88.8 34.5 51.7#
77 0.0 0.0 0.0



#23
Atrazine
Concen: 0.17 ng
RT: 16.555 min Scan# 1365
Delta R.T. -0.001 min
Lab File: BN015348.D
Acq: 06 Jul 2021 21:02

Tgt Ion:200 Resp: 83
Ion Ratio Lower Upper
200 100
173 97.1 21.7 32.5#
215 78.8 43.1 64.7#

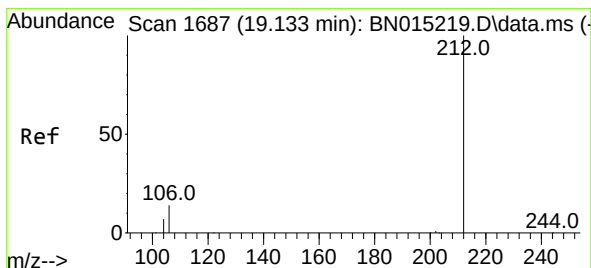
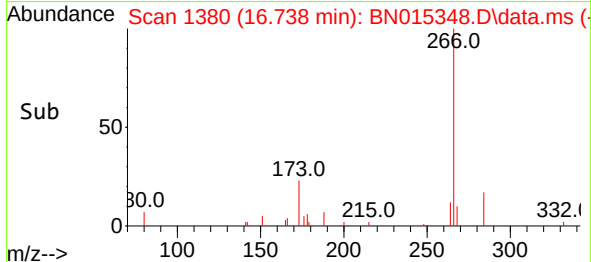
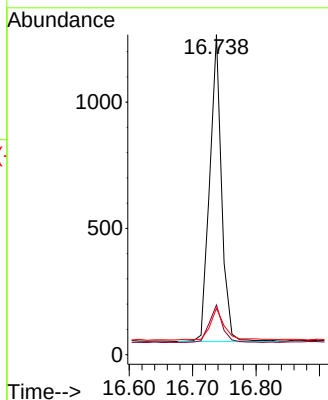
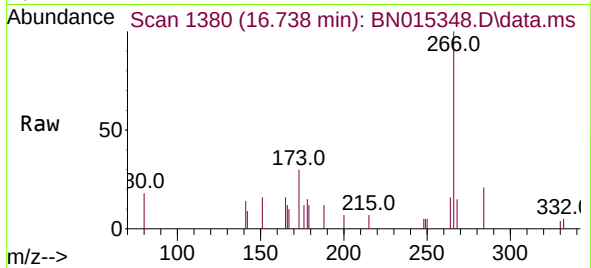




#24
 Pentachlorophenol
 Concen: 0.39 ng
 RT: 16.738 min Scan# 1380
 Delta R.T. -0.013 min
 Lab File: BN015348.D
 Acq: 06 Jul 2021 21:02

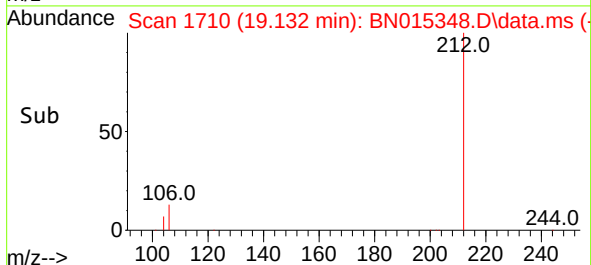
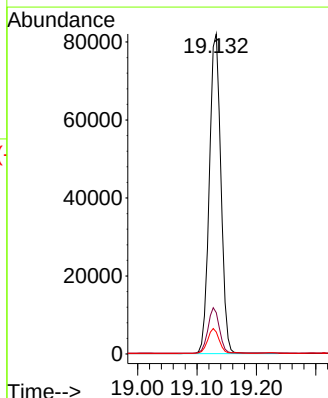
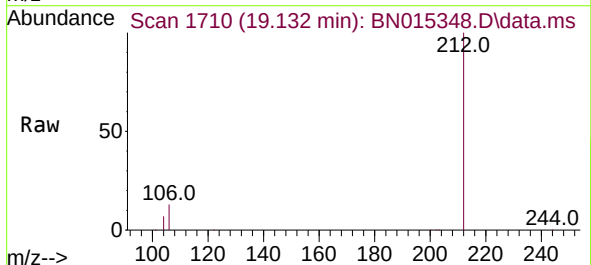
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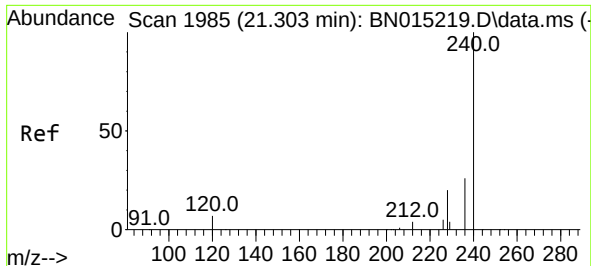
Tgt Ion:	266	Resp:	1589
Ion Ratio	Lower	Upper	
266	100		
264	13.2	51.0	76.4#
268	12.1	50.6	76.0#



#27
 Fluoranthene-d10
 Concen: 0.42 ng
 RT: 19.132 min Scan# 1710
 Delta R.T. -0.001 min
 Lab File: BN015348.D
 Acq: 06 Jul 2021 21:02

Tgt Ion:	212	Resp:	110527
Ion Ratio	Lower	Upper	
212	100		
106	14.0	7.0	10.6#
104	7.7	4.1	6.1#

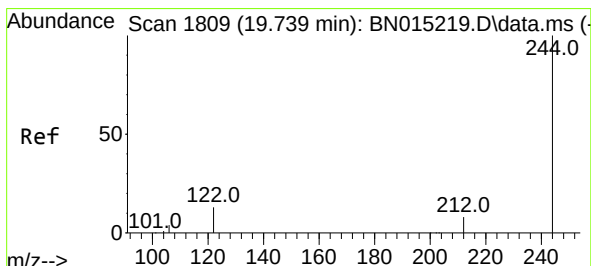
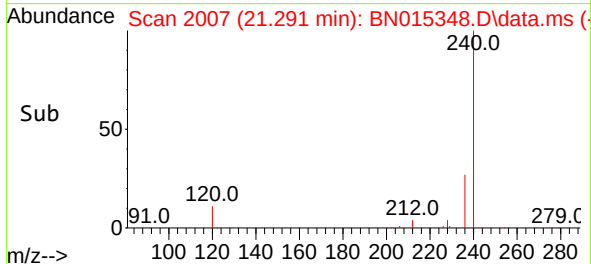
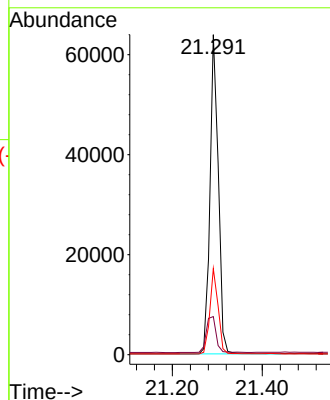
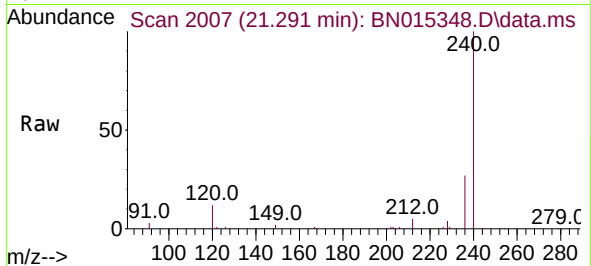




#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.291 min Scan# 2007
Delta R.T. -0.012 min
Lab File: BN015348.D
Acq: 06 Jul 2021 21:02

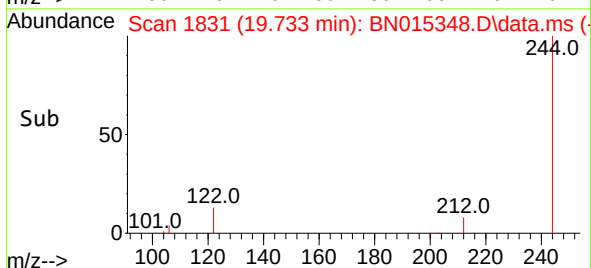
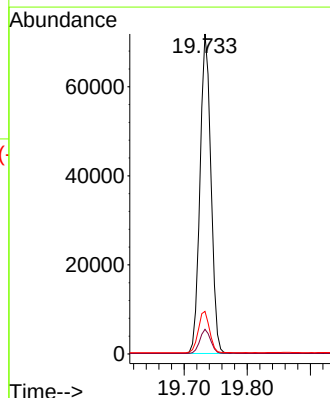
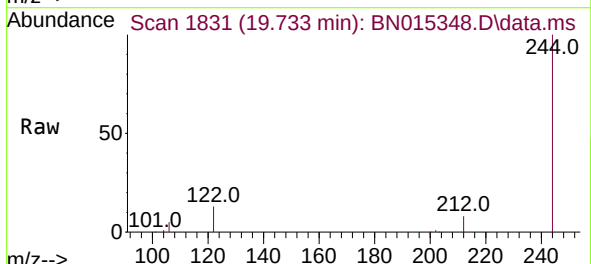
Instrument :
BNA_N
ClientSampleId :
MW-03-6.5-11.5-062921

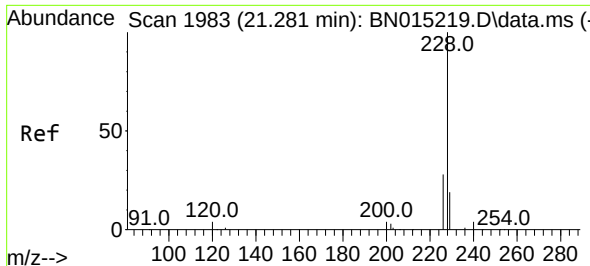
Tgt Ion:240 Resp: 81553
Ion Ratio Lower Upper
240 100
120 11.9 4.2 6.4#
236 26.9 21.4 32.2



#31
Terphenyl-d14
Concen: 0.45 ng
RT: 19.733 min Scan# 1831
Delta R.T. -0.006 min
Lab File: BN015348.D
Acq: 06 Jul 2021 21:02

Tgt Ion:244 Resp: 86433
Ion Ratio Lower Upper
244 100
212 7.7 6.3 9.5
122 13.3 6.2 9.2#

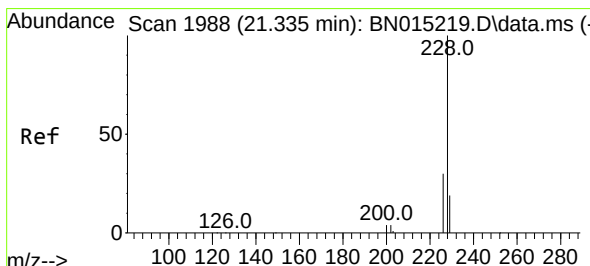
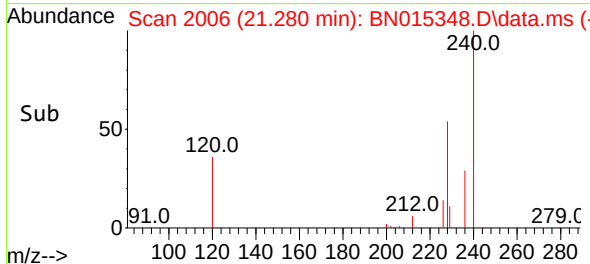
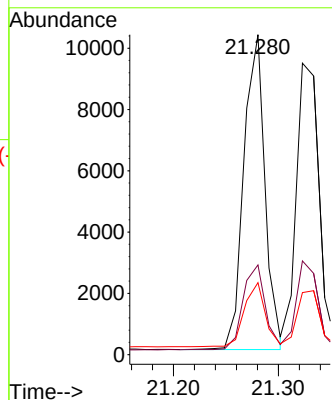
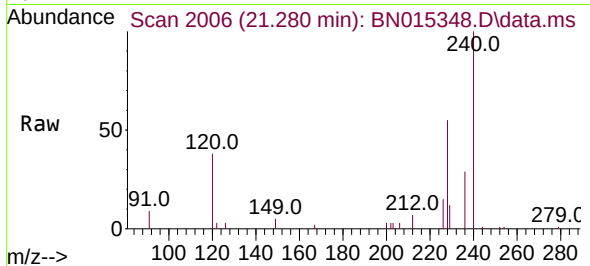




#32
Benzo(a)anthracene
Concen: 0.05 ng
RT: 21.280 min Scan# 2006
Delta R.T. -0.001 min
Lab File: BN015348.D
Acq: 06 Jul 2021 21:02

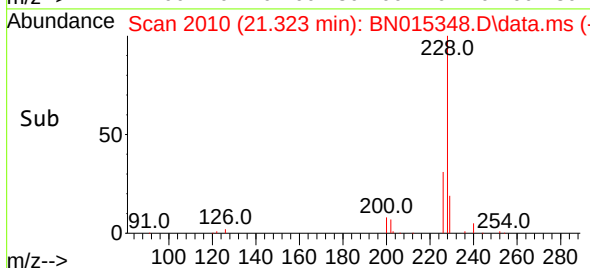
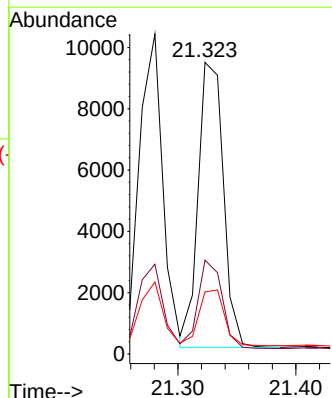
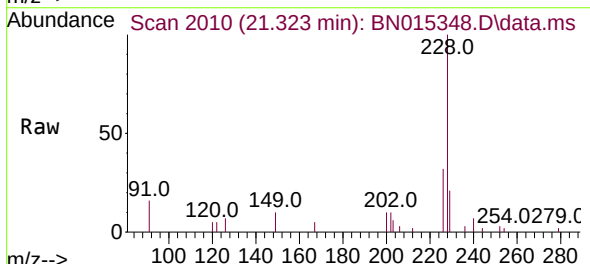
Instrument :
BNA_N
ClientSampleId :
MW-03-6.5-11.5-062921

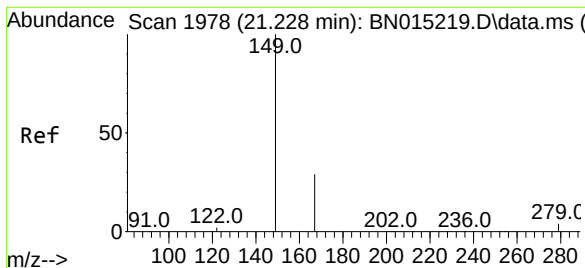
Tgt Ion:228 Resp: 14396
Ion Ratio Lower Upper
228 100
226 28.1 23.0 34.6
229 22.5 15.7 23.5



#33
Chrysene
Concen: 0.05 ng
RT: 21.323 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BN015348.D
Acq: 06 Jul 2021 21:02

Tgt Ion:228 Resp: 13819
Ion Ratio Lower Upper
228 100
226 32.1 25.0 37.6
229 21.3 15.9 23.9

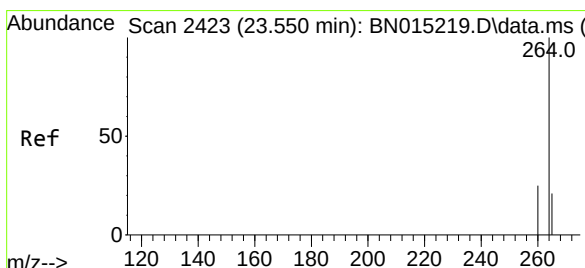
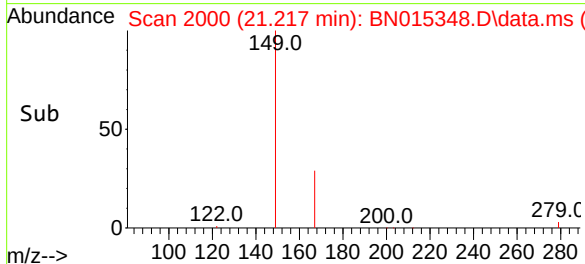
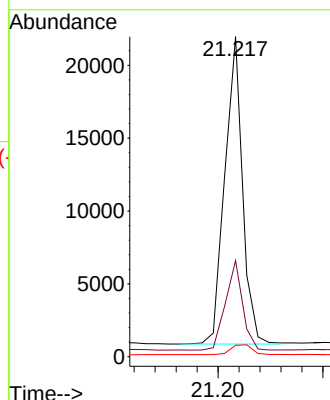
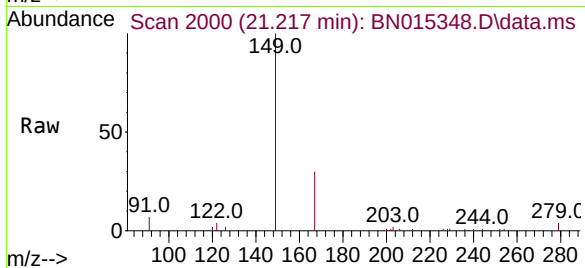




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.40 ng
RT: 21.217 min Scan# 2000
Delta R.T. -0.011 min
Lab File: BN015348.D
Acq: 06 Jul 2021 21:02

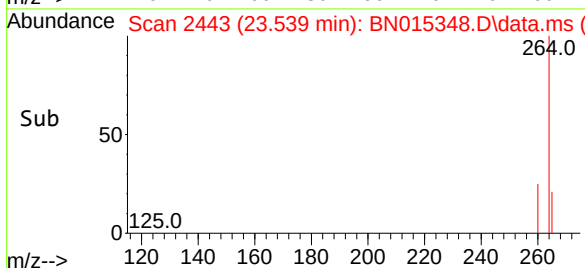
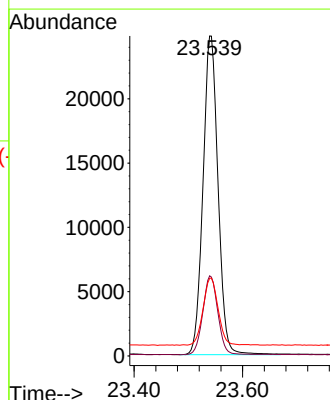
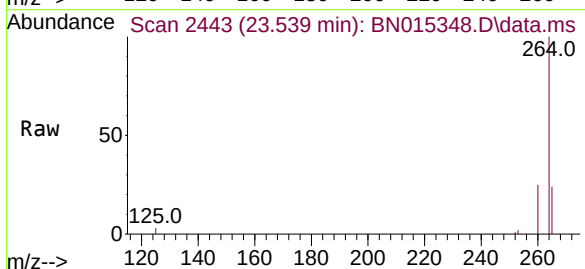
Instrument :
BNA_N
ClientSampleId :
MW-03-6.5-11.5-062921

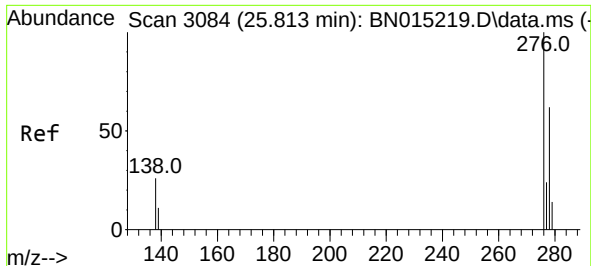
Tgt Ion:149 Resp: 24729
Ion Ratio Lower Upper
149 100
167 28.0 28.9 43.3#
279 3.9 4.9 7.3#



#35
Perylene-d12
Concen: 0.40 ng
RT: 23.539 min Scan# 2443
Delta R.T. -0.011 min
Lab File: BN015348.D
Acq: 06 Jul 2021 21:02

Tgt Ion:264 Resp: 47570
Ion Ratio Lower Upper
264 100
260 25.0 20.6 31.0
265 24.3 21.4 32.2

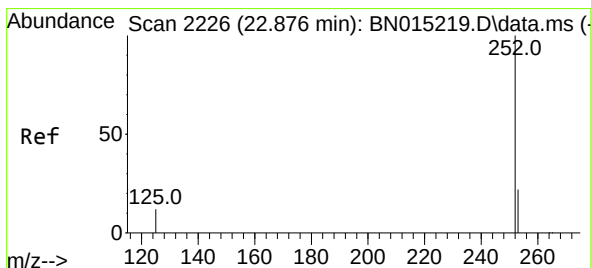
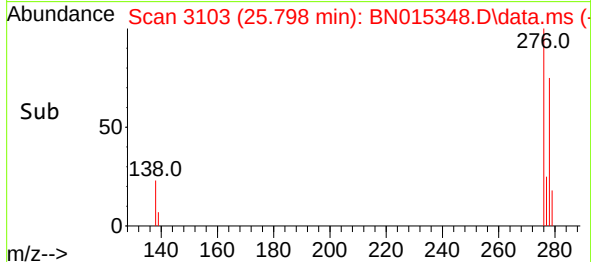
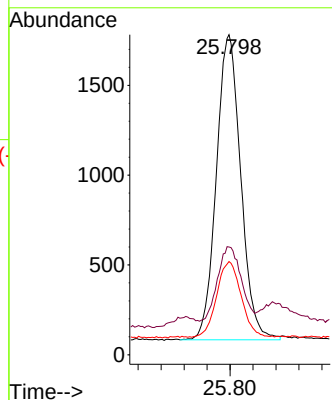
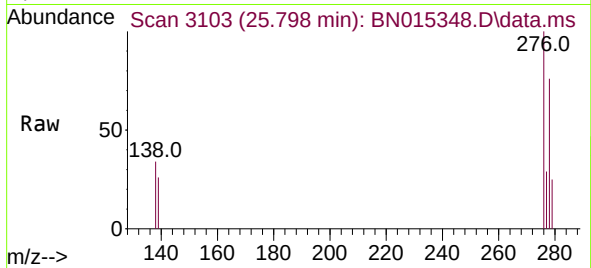




#36
Indeno(1,2,3-cd)pyrene
Concen: 0.03 ng
RT: 25.798 min Scan# 3103
Delta R.T. -0.015 min
Lab File: BN015348.D
Acq: 06 Jul 2021 21:02

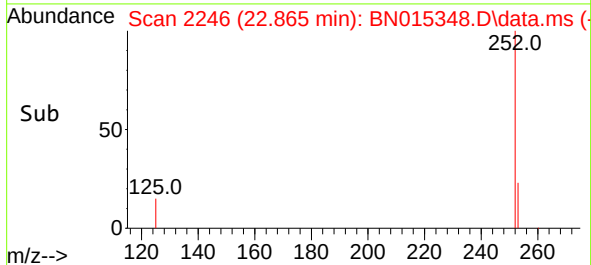
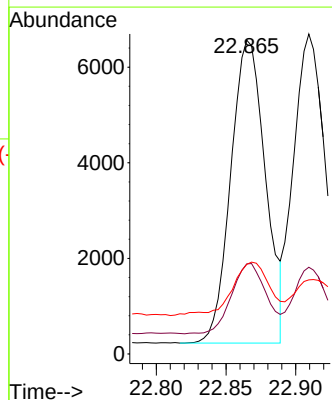
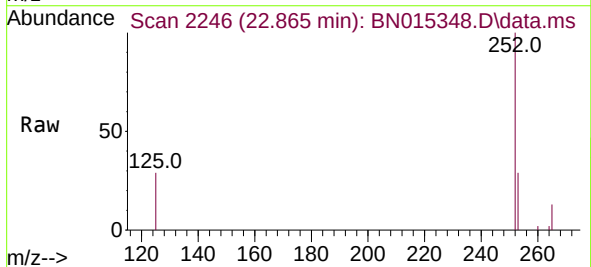
Instrument :
BNA_N
ClientSampleId :
MW-03-6.5-11.5-062921

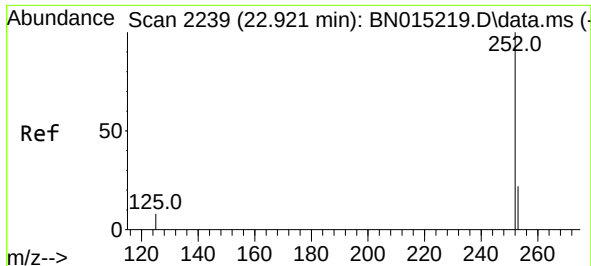
Tgt Ion:276 Resp: 5013
Ion Ratio Lower Upper
276 100
138 23.4 10.0 15.0#
277 24.8 20.4 30.6



#37
Benzo(b)fluoranthene
Concen: 0.06 ng
RT: 22.865 min Scan# 2246
Delta R.T. -0.011 min
Lab File: BN015348.D
Acq: 06 Jul 2021 21:02

Tgt Ion:252 Resp: 10972
Ion Ratio Lower Upper
252 100
253 28.7 18.5 27.7#
125 28.6 5.8 8.6#

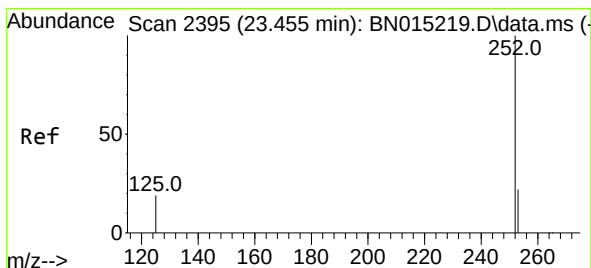
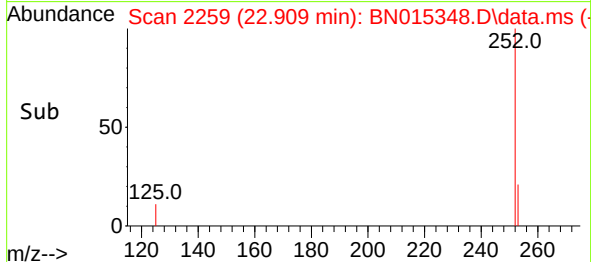
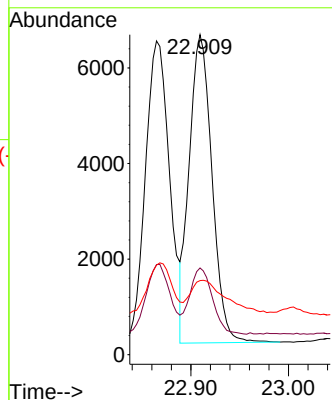
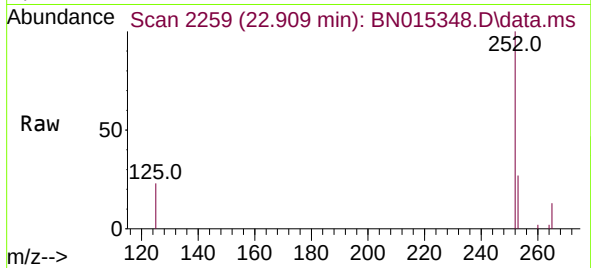




#38
Benzo(k)fluoranthene
Concen: 0.05 ng
RT: 22.909 min Scan# 2259
Delta R.T. -0.011 min
Lab File: BN015348.D
Acq: 06 Jul 2021 21:02

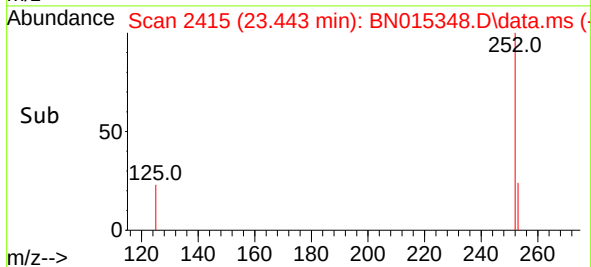
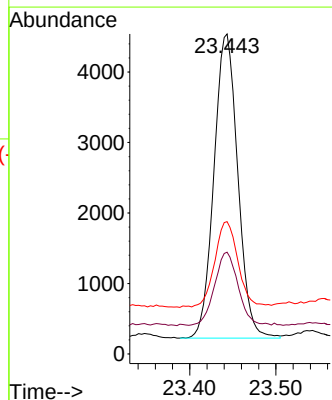
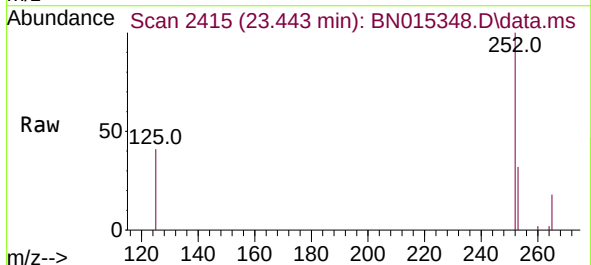
Instrument :
BNA_N
ClientSampleId :
MW-03-6.5-11.5-062921

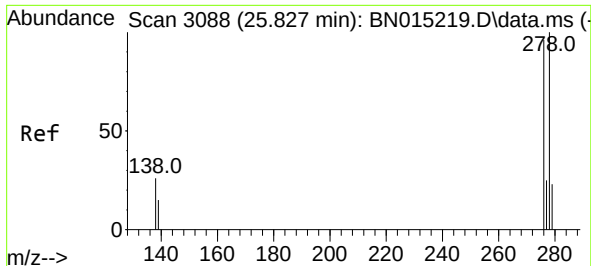
Tgt Ion:252 Resp: 10460
Ion Ratio Lower Upper
252 100
253 27.1 19.1 28.7
125 23.2 5.4 8.0#



#39
Benzo(a)pyrene
Concen: 0.05 ng
RT: 23.443 min Scan# 2415
Delta R.T. -0.011 min
Lab File: BN015348.D
Acq: 06 Jul 2021 21:02

Tgt Ion:252 Resp: 8301
Ion Ratio Lower Upper
252 100
253 31.8 19.4 29.2#
125 41.3 7.4 11.2#

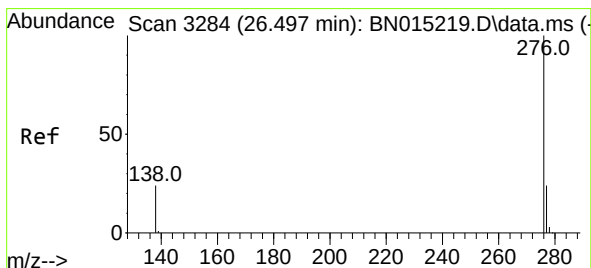
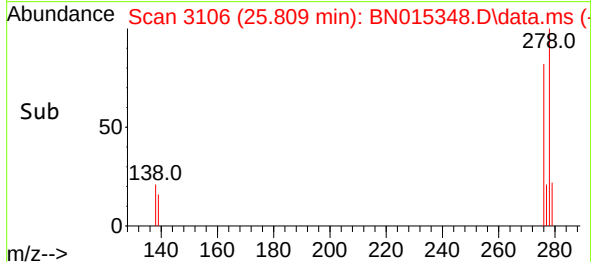
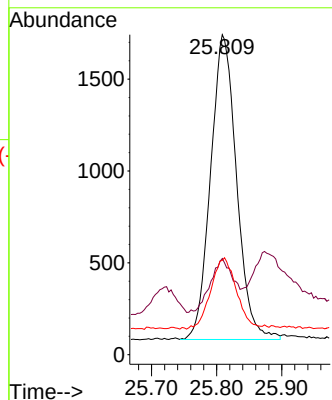
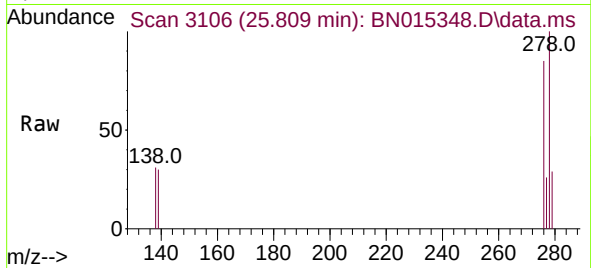




#40
Dibenzo(a,h)anthracene
Concen: 0.03 ng
RT: 25.809 min Scan# 3106
Delta R.T. -0.018 min
Lab File: BN015348.D
Acq: 06 Jul 2021 21:02

Instrument :
BNA_N
ClientSampleId :
MW-03-6.5-11.5-062921

Tgt Ion:278 Resp: 4598
Ion Ratio Lower Upper
278 100
139 30.1 9.0 13.4#
279 29.4 21.0 31.4



#41
Benzo(g,h,i)perylene
Concen: 0.02 ng
RT: 26.483 min Scan# 3303
Delta R.T. -0.015 min
Lab File: BN015348.D
Acq: 06 Jul 2021 21:02

Tgt Ion:276 Resp: 3624
Ion Ratio Lower Upper
276 100
277 28.9 19.7 29.5
138 33.7 9.8 14.6#

