

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070221\
 Data File : BN015327.D
 Acq On : 03 Jul 2021 10:51
 Operator : CG/JU
 Sample : M2838-17
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RE122D3-20210622

Quant Time: Jul 05 05:49:13 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

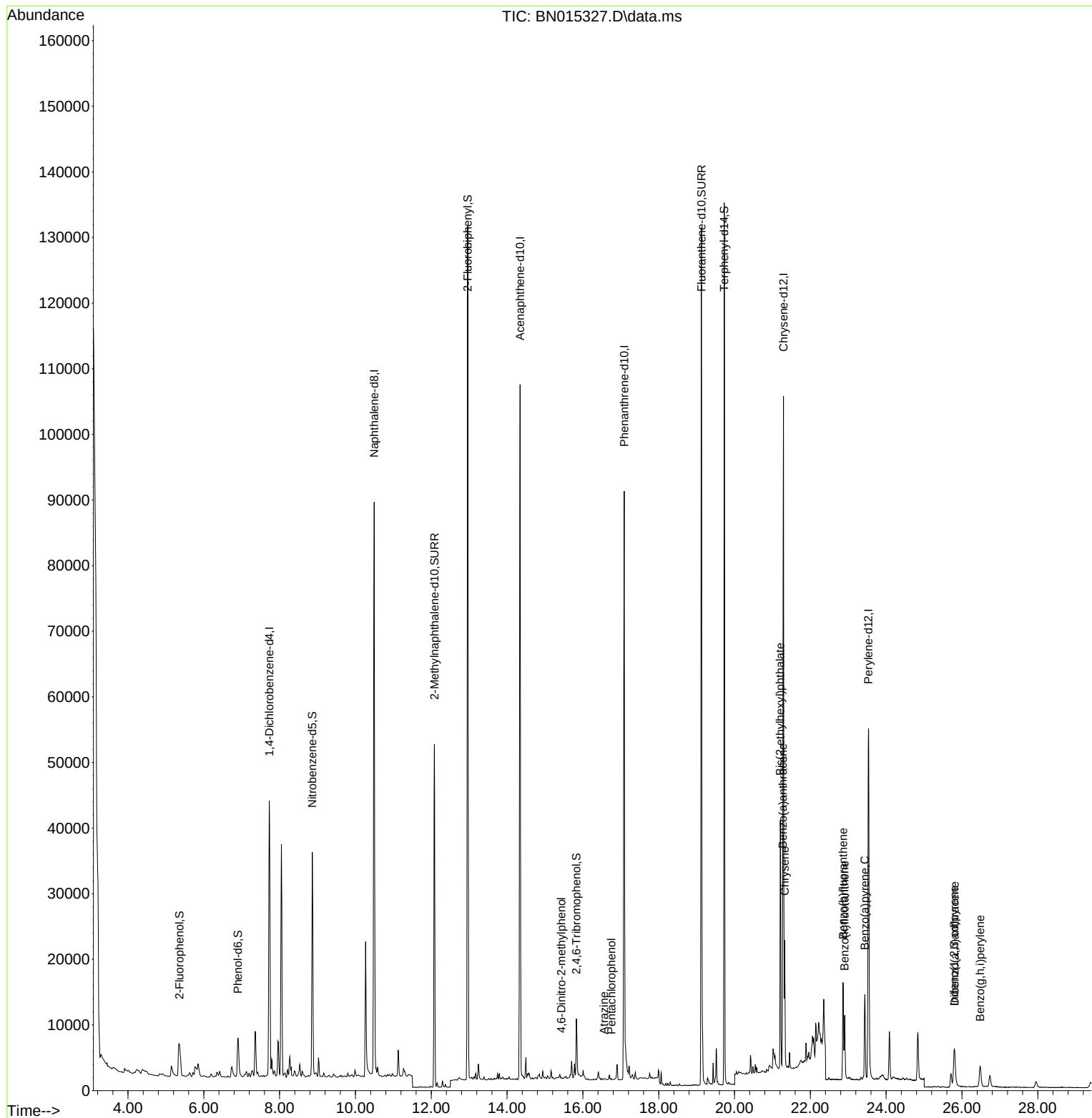
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.725	152	26535	0.40	ng	# 0.00
7) Naphthalene-d8	10.495	136	120720	0.40	ng	# 0.00
13) Acenaphthene-d10	14.345	164	66643	0.40	ng	0.00
19) Phenanthrene-d10	17.091	188	127390	0.40	ng	# 0.00
29) Chrysene-d12	21.291	240	94190	0.40	ng	#-0.01
35) Perylene-d12	23.532	264	75445	0.40	ng	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.356	112	10030	0.15	ng	0.00
5) Phenol-d6	6.896	99	7450	0.09	ng	0.00
8) Nitrobenzene-d5	8.860	82	29590	0.44	ng	0.00
11) 2-Methylnaphthalene-d10	12.083	152	69980	0.35	ng	0.00
14) 2,4,6-Tribromophenol	15.829	330	7770	0.49	ng	-0.01
15) 2-Fluorobiphenyl	12.962	172	108405	0.40	ng	0.00
27) Fluoranthene-d10	19.127	212	150173	0.40	ng	0.00
31) Terphenyl-d14	19.728	244	130849	0.59	ng	-0.01
Target Compounds						
20) 4,6-Dinitro-2-methylph...	15.436	198	12	0.20	ng	# 1
23) Atrazine	16.555	200	12	0.17	ng	# 3
24) Pentachlorophenol	16.750	266	97	0.25	ng	88
32) Benzo(a)anthracene	21.270	228	14957	0.05	ng	98
33) Chrysene	21.323	228	14547	0.04	ng	99
34) Bis(2-ethylhexyl)phtha...	21.206	149	39836	0.49	ng	# 87
36) Indeno(1,2,3-cd)pyrene	25.791	276	8077	0.03	ng	# 88
37) Benzo(b)fluoranthene	22.862	252	14159	0.05	ng	# 48
38) Benzo(k)fluoranthene	22.906	252	12754	0.04	ng	# 89
39) Benzo(a)pyrene	23.437	252	9463	0.03	ng	# 1
40) Dibenzo(a,h)anthracene	25.805	278	6211	0.03	ng	# 85
41) Benzo(g,h,i)perylene	26.480	276	7262	0.03	ng	# 83

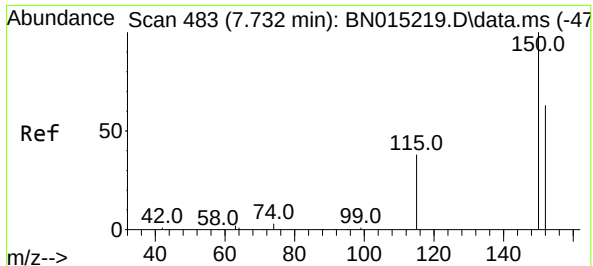
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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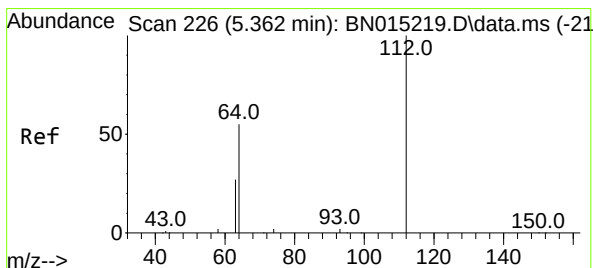
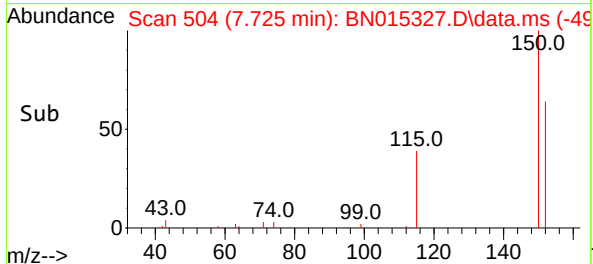
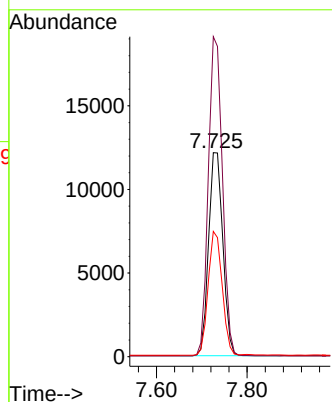
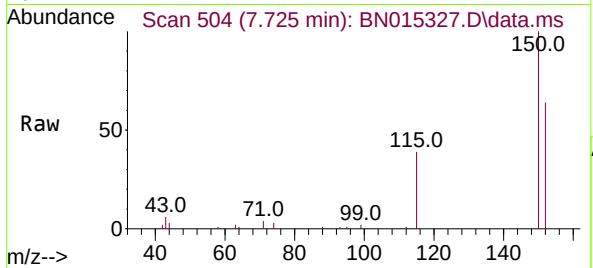




#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.725 min Scan# 504
Delta R.T. -0.007 min
Lab File: BN015327.D
Acq: 03 Jul 2021 10:51

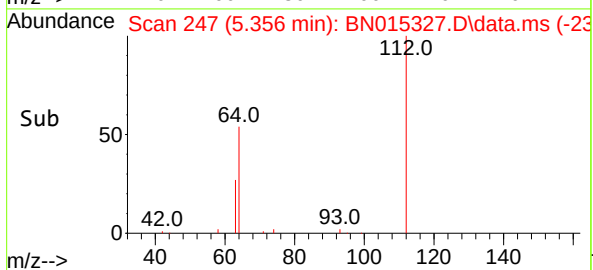
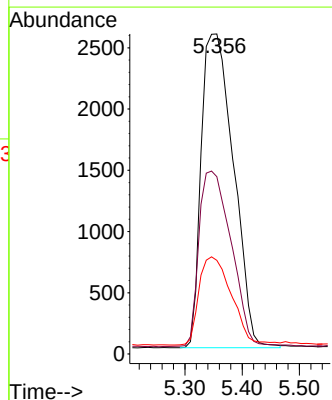
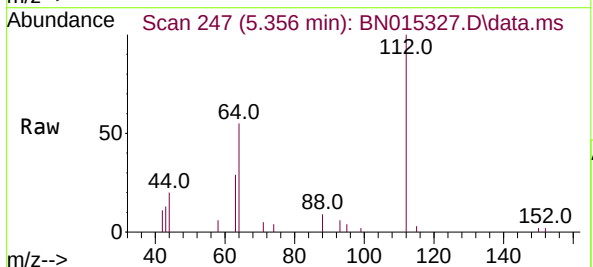
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BNA_N
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RE122D3-20210622

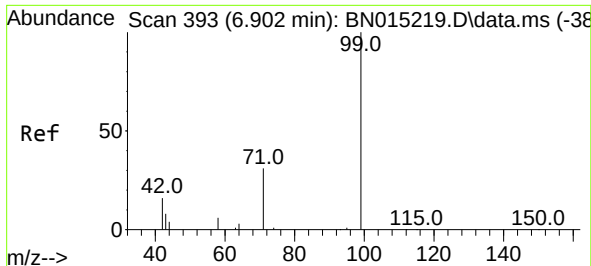
Tgt Ion:152 Resp: 26535
Ion Ratio Lower Upper
152 100
150 156.9 119.0 178.6
115 61.4 62.2 93.4#



#4
2-Fluorophenol
Concen: 0.15 ng
RT: 5.356 min Scan# 247
Delta R.T. -0.006 min
Lab File: BN015327.D
Acq: 03 Jul 2021 10:51

Tgt Ion:112 Resp: 10030
Ion Ratio Lower Upper
112 100
64 55.6 39.0 58.6
63 28.3 20.6 30.8

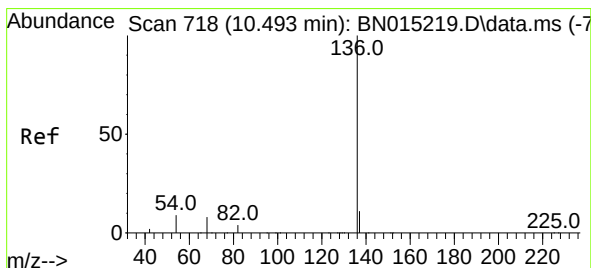
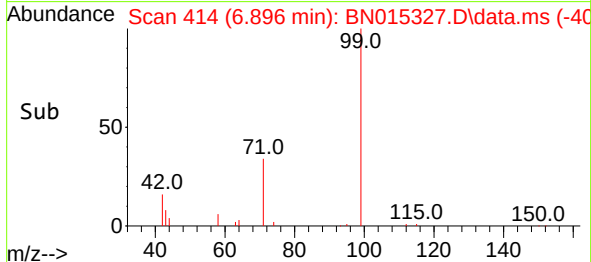
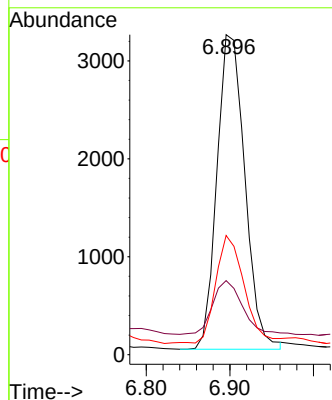
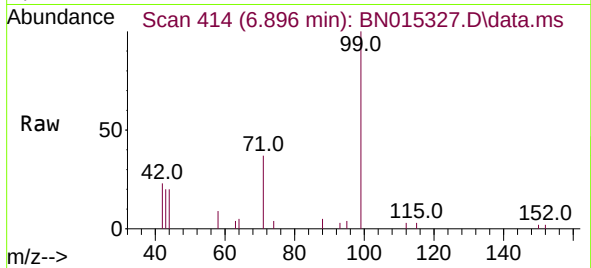




#5
Phenol-d6
Concen: 0.09 ng
RT: 6.896 min Scan# 414
Delta R.T. -0.006 min
Lab File: BN015327.D
Acq: 03 Jul 2021 10:51

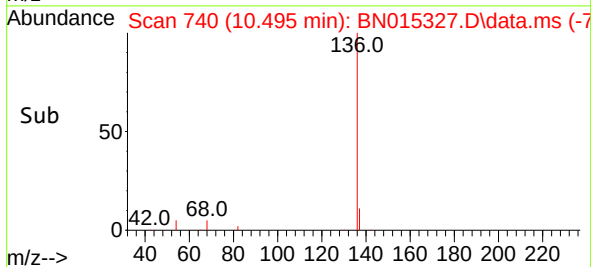
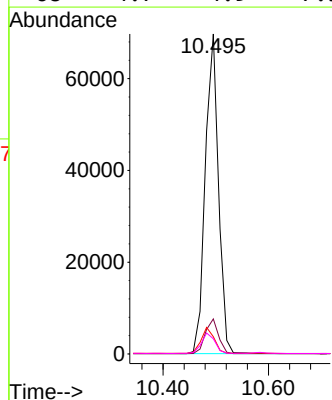
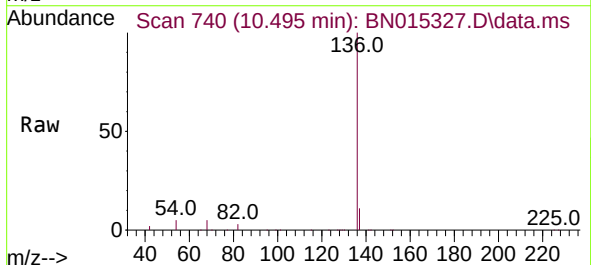
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ClientSampleId :
RE122D3-20210622

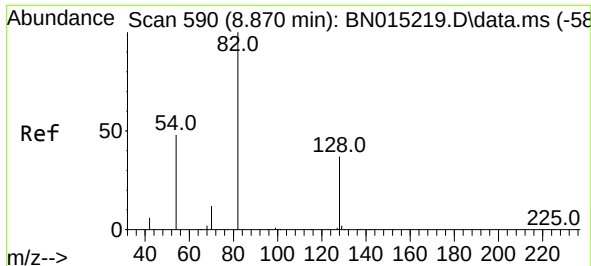
Tgt Ion: 99 Resp: 7450
Ion Ratio Lower Upper
99 100
42 18.0 8.9 13.3#
71 34.1 35.6 53.4#



#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.495 min Scan# 740
Delta R.T. 0.003 min
Lab File: BN015327.D
Acq: 03 Jul 2021 10:51

Tgt Ion: 136 Resp: 120720
Ion Ratio Lower Upper
136 100
137 11.0 9.8 14.8
54 5.4 5.4 8.2#
68 4.7 4.9 7.3#

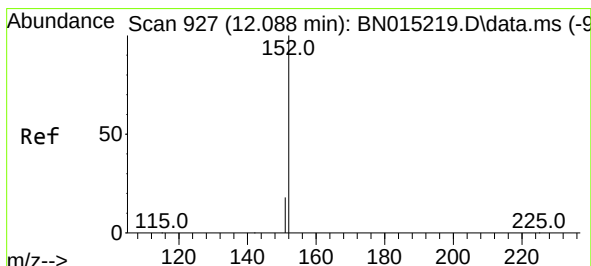
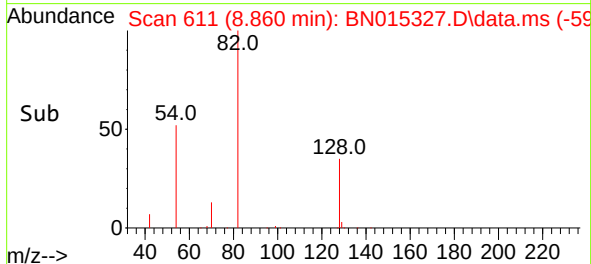
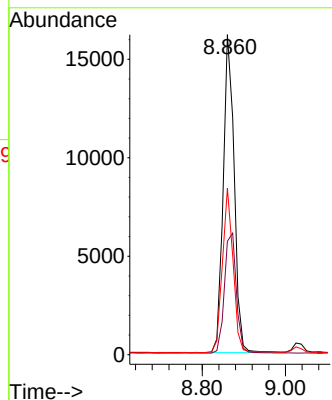
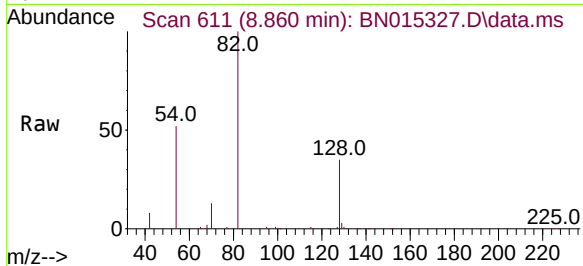




#8
Nitrobenzene-d5
Concen: 0.44 ng
RT: 8.860 min Scan# 611
Delta R.T. -0.010 min
Lab File: BN015327.D
Acq: 03 Jul 2021 10:51

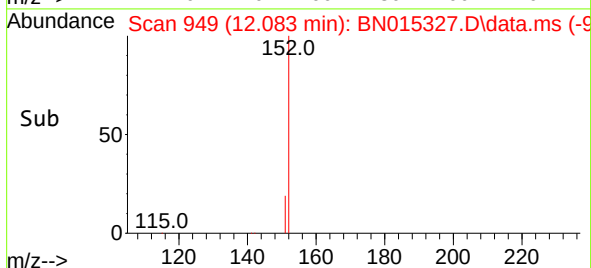
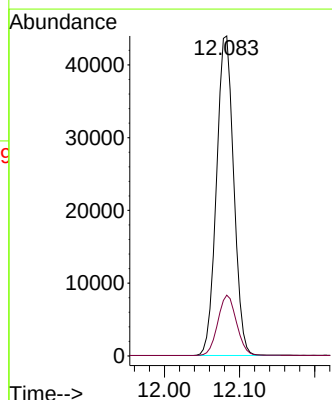
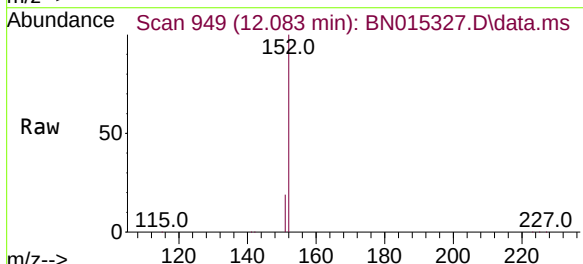
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RE122D3-20210622

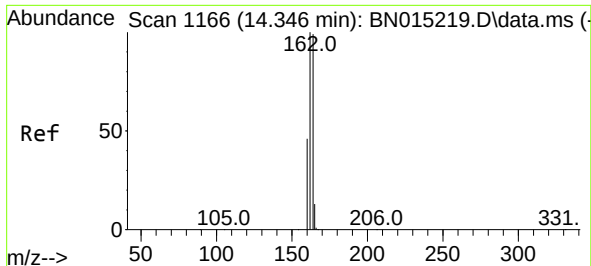
Tgt Ion: 82 Resp: 29590
Ion Ratio Lower Upper
82 100
128 35.4 31.6 47.4
54 52.0 29.0 43.4#



#11
2-Methylnaphthalene-d10
Concen: 0.35 ng
RT: 12.083 min Scan# 949
Delta R.T. -0.005 min
Lab File: BN015327.D
Acq: 03 Jul 2021 10:51

Tgt Ion: 152 Resp: 69980
Ion Ratio Lower Upper
152 100
151 20.4 16.7 25.1

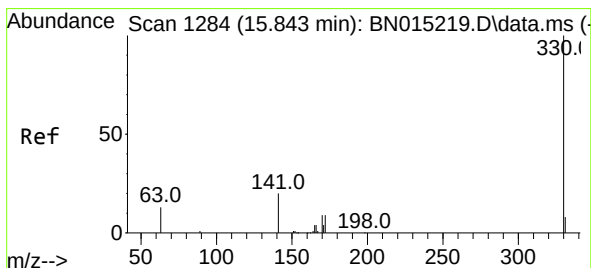
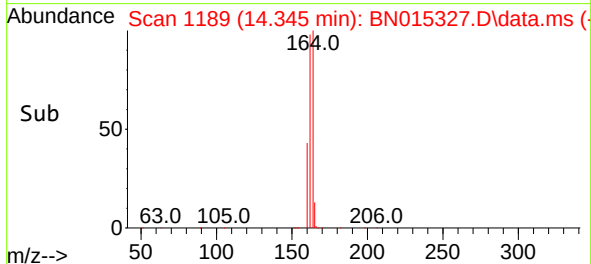
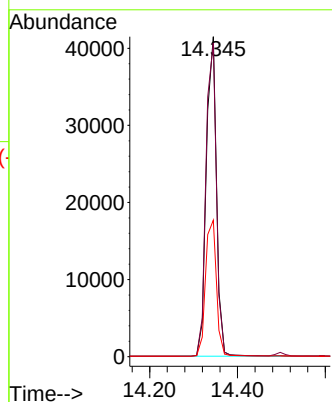
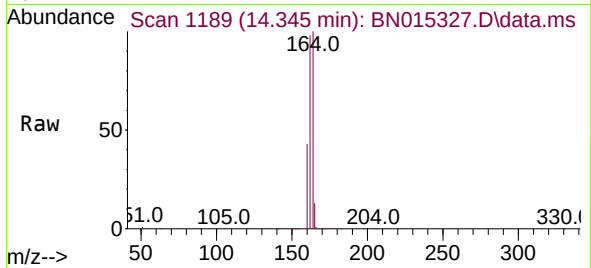




#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.345 min Scan# 1189
Delta R.T. -0.001 min
Lab File: BN015327.D
Acq: 03 Jul 2021 10:51

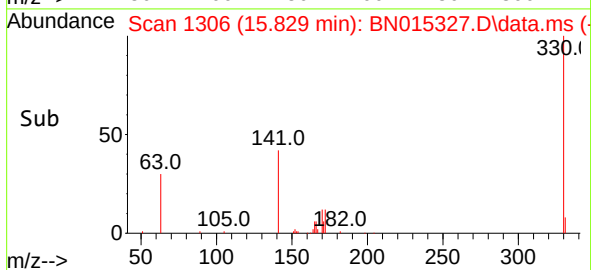
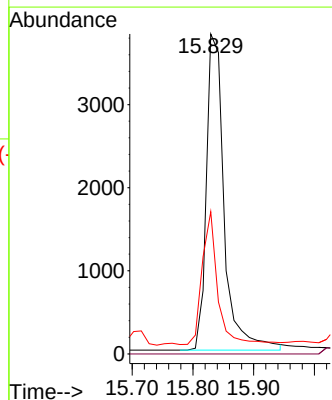
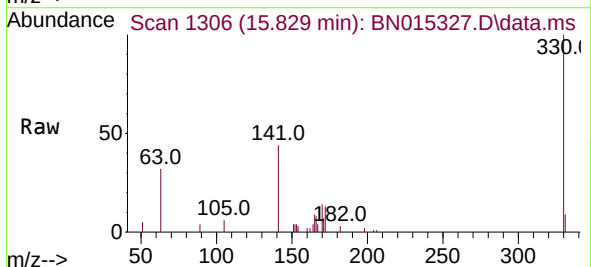
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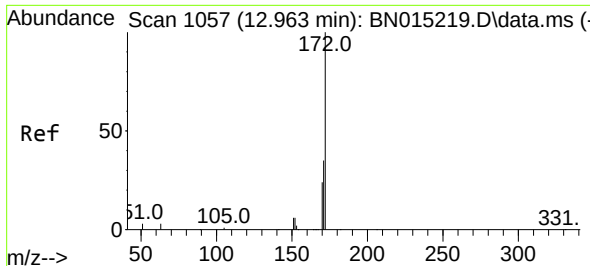
Tgt Ion:164 Resp: 66643
Ion Ratio Lower Upper
164 100
162 98.1 83.8 125.6
160 42.7 37.4 56.0



#14
2,4,6-Tribromophenol
Concen: 0.49 ng
RT: 15.829 min Scan# 1306
Delta R.T. -0.014 min
Lab File: BN015327.D
Acq: 03 Jul 2021 10:51

Tgt Ion:330 Resp: 7770
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 36.6 22.4 33.6#

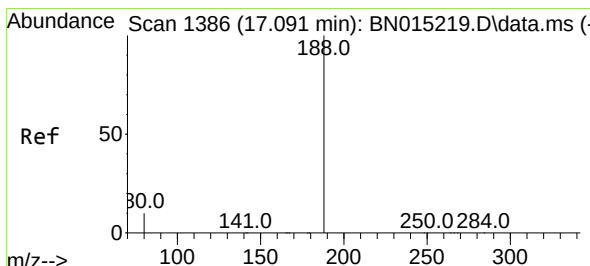
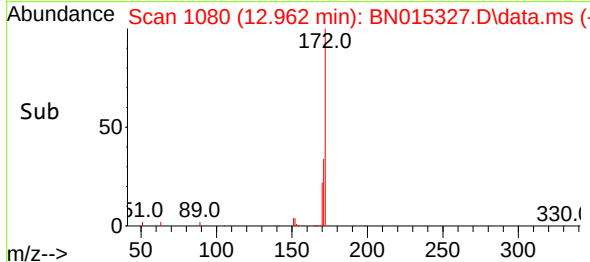
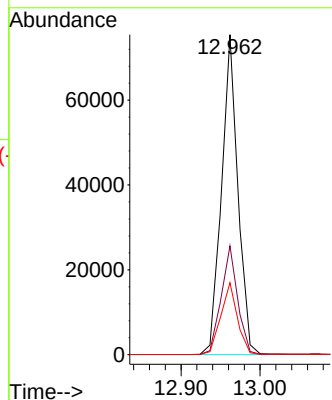
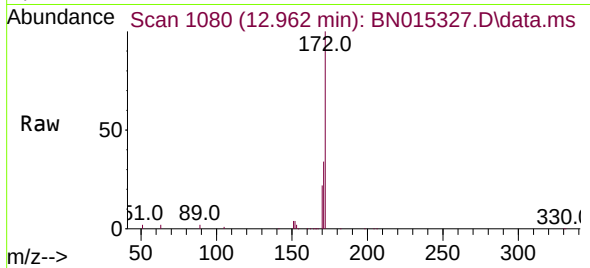




#15
2-Fluorobiphenyl
Concen: 0.40 ng
RT: 12.962 min Scan# 1080
Delta R.T. -0.001 min
Lab File: BN015327.D
Acq: 03 Jul 2021 10:51

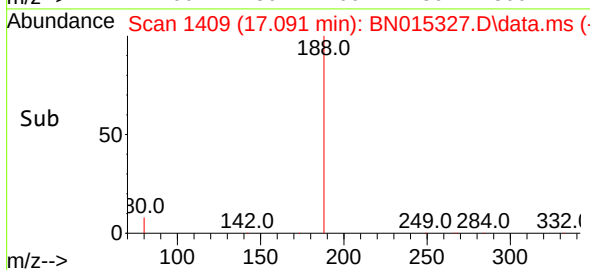
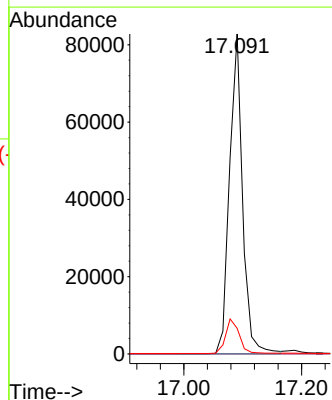
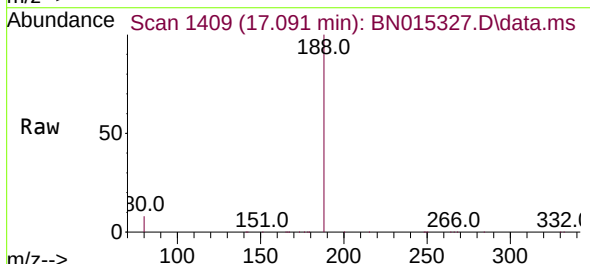
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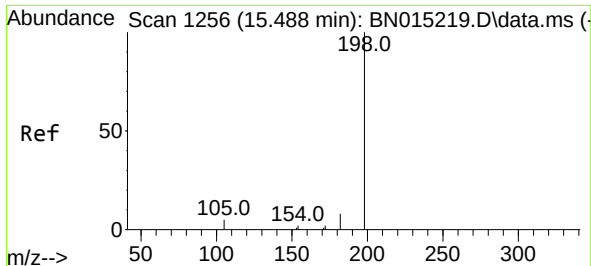
Tgt Ion:172 Resp: 108405
Ion Ratio Lower Upper
172 100
171 34.0 30.6 45.8
170 22.5 20.2 30.4



#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.091 min Scan# 1409
Delta R.T. -0.000 min
Lab File: BN015327.D
Acq: 03 Jul 2021 10:51

Tgt Ion:188 Resp: 127390
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 8.0 9.0 13.4#

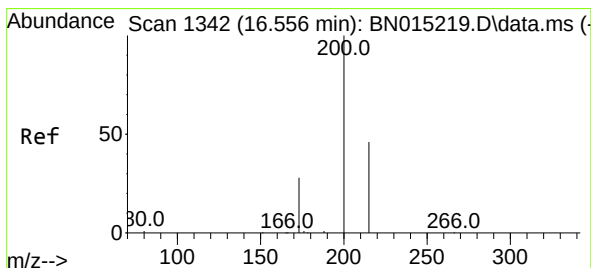
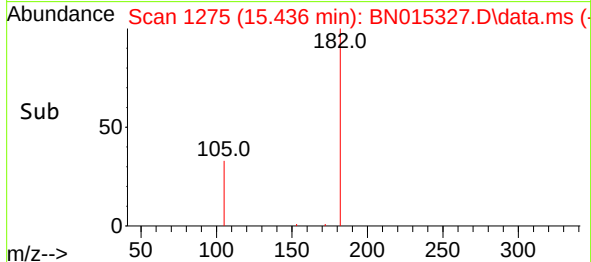
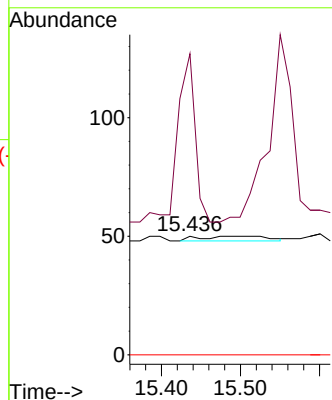
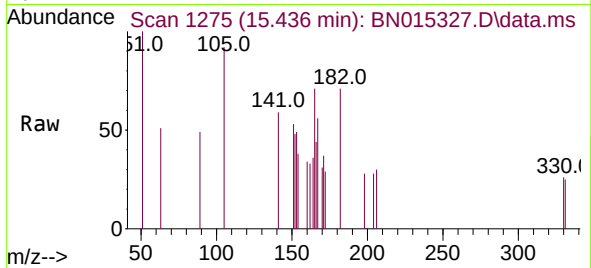




#20
4,6-Dinitro-2-methylphenol
Concen: 0.20 ng
RT: 15.436 min Scan# 1275
Delta R.T. -0.052 min
Lab File: BN015327.D
Acq: 03 Jul 2021 10:51

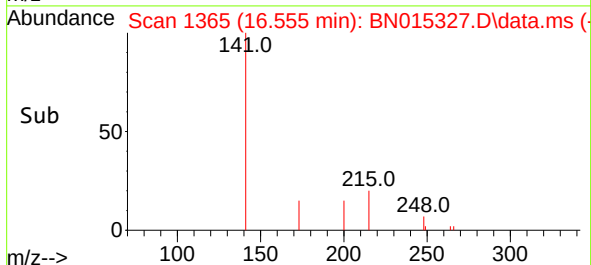
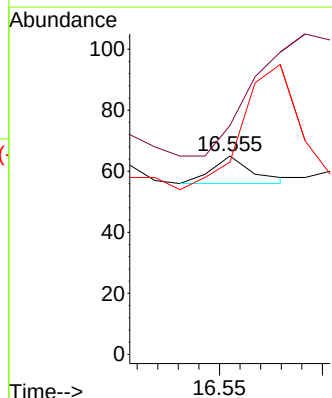
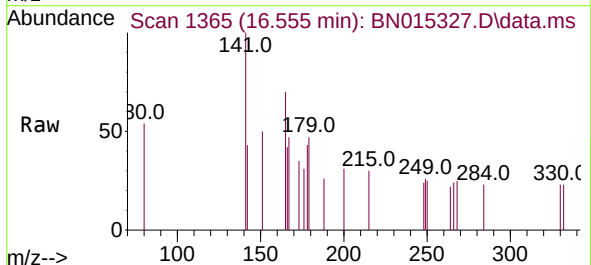
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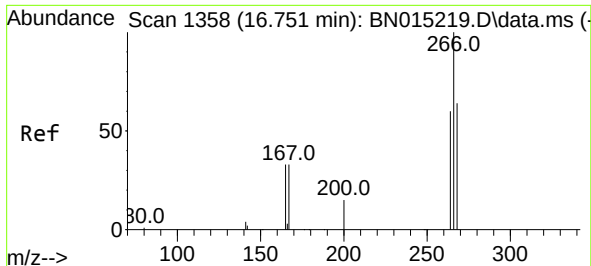
Tgt Ion:198 Resp: 12
Ion Ratio Lower Upper
198 100
182 254.0 34.5 51.7#
77 0.0 0.0 0.0



#23
Atrazine
Concen: 0.17 ng
RT: 16.555 min Scan# 1365
Delta R.T. -0.001 min
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Tgt Ion:200 Resp: 12
Ion Ratio Lower Upper
200 100
173 115.4 21.7 32.5#
215 96.9 43.1 64.7#

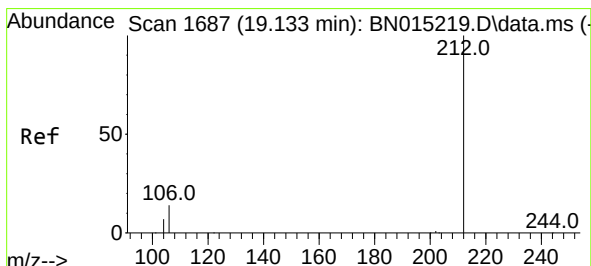
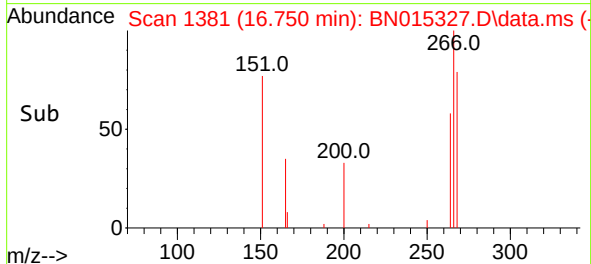
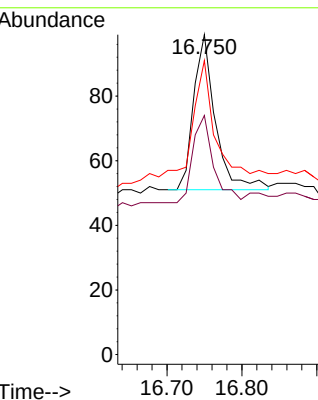
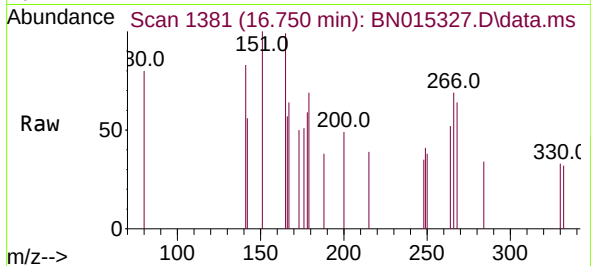




#24
Pentachlorophenol
Concen: 0.25 ng
RT: 16.750 min Scan# 1381
Delta R.T. -0.001 min
Lab File: BN015327.D
Acq: 03 Jul 2021 10:51

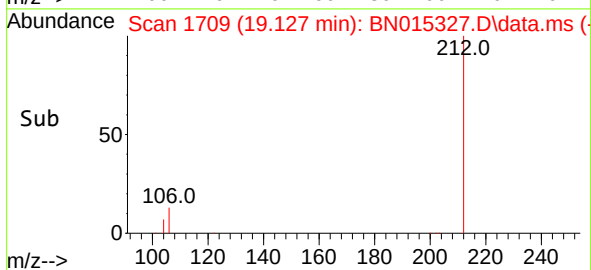
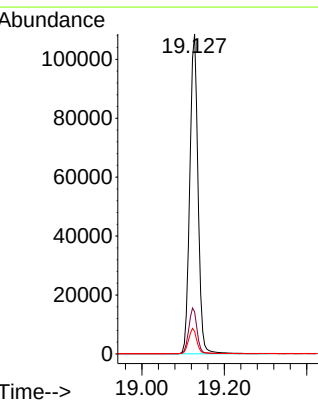
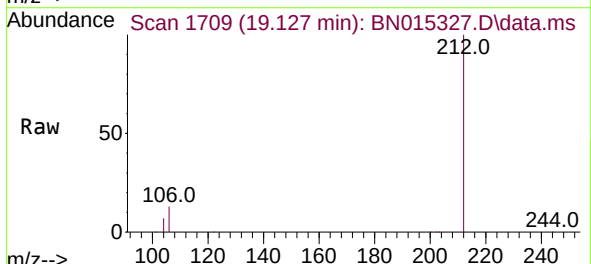
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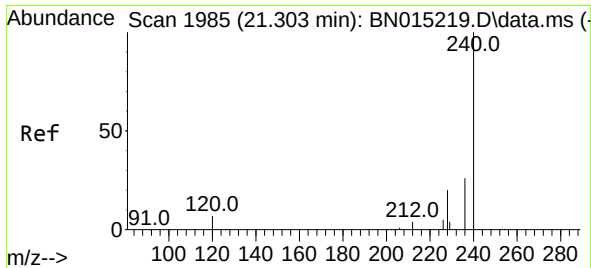
Tgt Ion:	266	Resp:	97
Ion Ratio	Lower	Upper	
266	100		
264	53.6	51.0	76.4
268	72.2	50.6	76.0



#27
Fluoranthene-d10
Concen: 0.40 ng
RT: 19.127 min Scan# 1709
Delta R.T. -0.006 min
Lab File: BN015327.D
Acq: 03 Jul 2021 10:51

Tgt Ion:	212	Resp:	150173
Ion Ratio	Lower	Upper	
212	100		
106	14.3	7.0	10.6#
104	7.9	4.1	6.1#

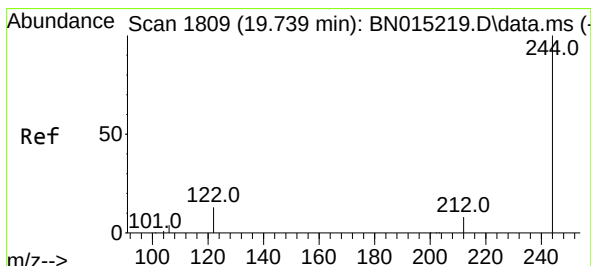
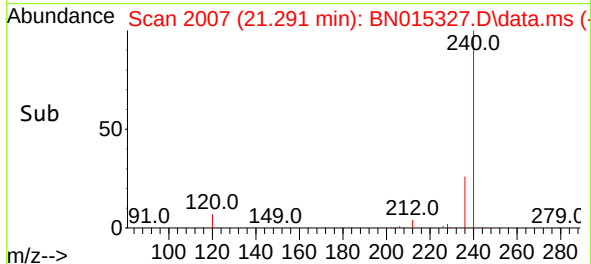
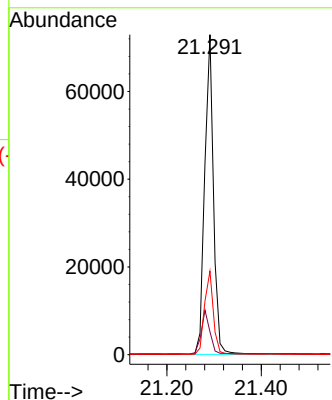
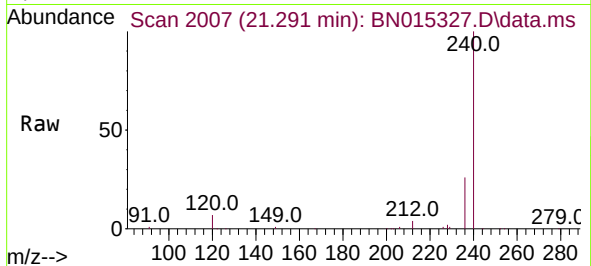




#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.291 min Scan# 2007
Delta R.T. -0.012 min
Lab File: BN015327.D
Acq: 03 Jul 2021 10:51

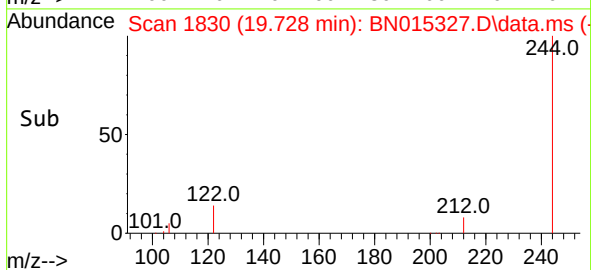
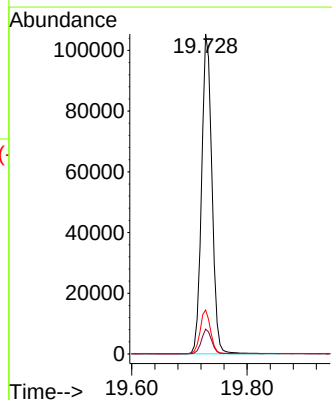
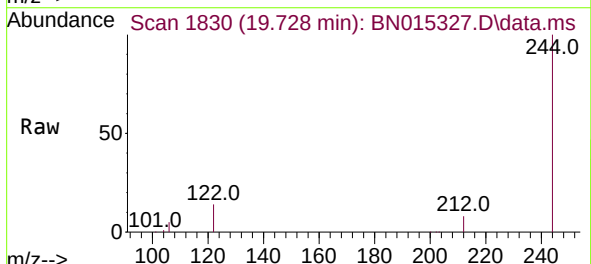
Instrument :
BNA_N
ClientSampleId :
RE122D3-20210622

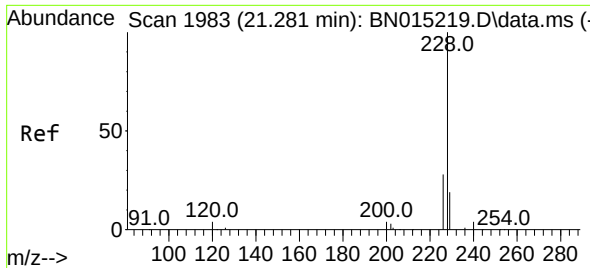
Tgt Ion:240 Resp: 94190
Ion Ratio Lower Upper
240 100
120 7.1 4.2 6.4#
236 26.1 21.4 32.2



#31
Terphenyl-d14
Concen: 0.59 ng
RT: 19.728 min Scan# 1830
Delta R.T. -0.011 min
Lab File: BN015327.D
Acq: 03 Jul 2021 10:51

Tgt Ion:244 Resp: 130849
Ion Ratio Lower Upper
244 100
212 7.8 6.3 9.5
122 13.8 6.2 9.2#

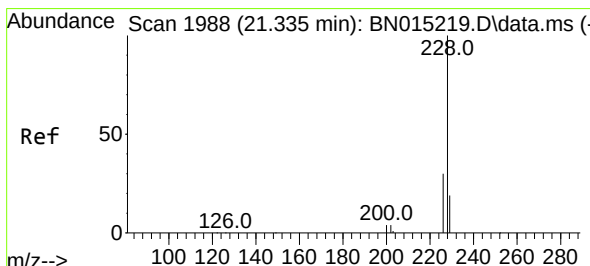
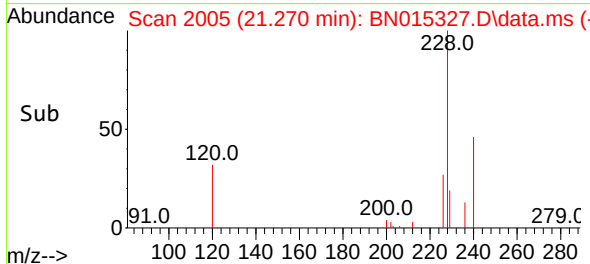
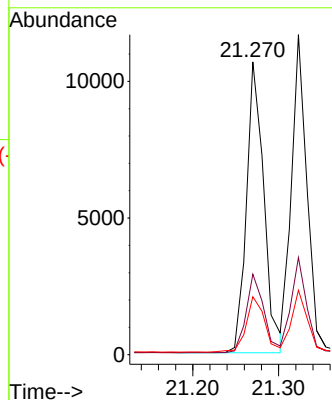
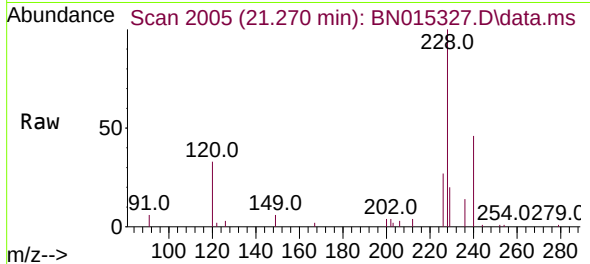




#32
Benzo(a)anthracene
Concen: 0.05 ng
RT: 21.270 min Scan# 2005
Delta R.T. -0.011 min
Lab File: BN015327.D
Acq: 03 Jul 2021 10:51

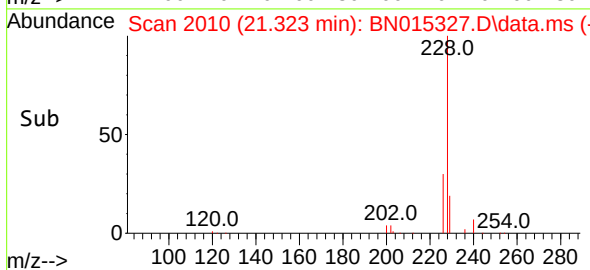
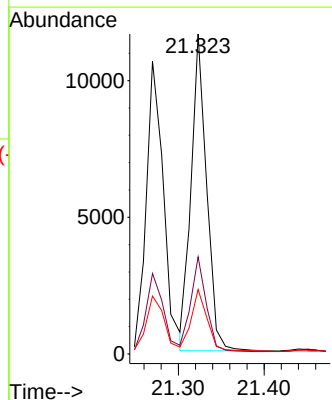
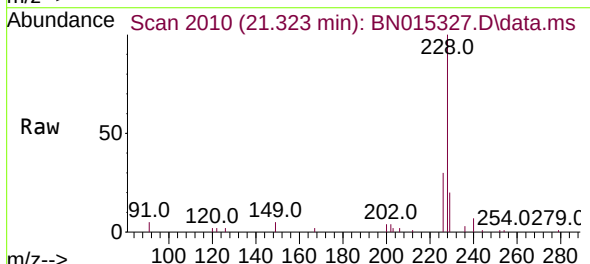
Instrument :
BNA_N
ClientSampleId :
RE122D3-20210622

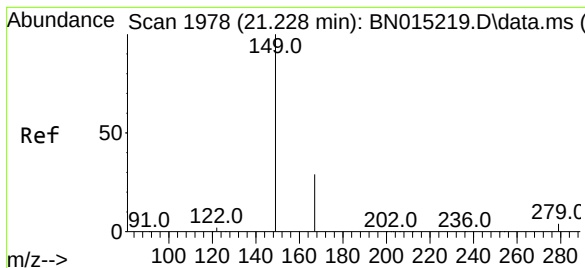
Tgt Ion:228	Resp:	14957
Ion Ratio	Lower	Upper
228	100	
226	27.5	23.0 34.6
229	19.8	15.7 23.5



#33
Chrysene
Concen: 0.04 ng
RT: 21.323 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BN015327.D
Acq: 03 Jul 2021 10:51

Tgt Ion:228	Resp:	14547
Ion Ratio	Lower	Upper
228	100	
226	30.4	25.0 37.6
229	20.2	15.9 23.9

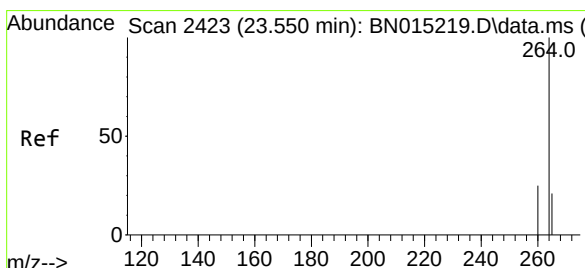
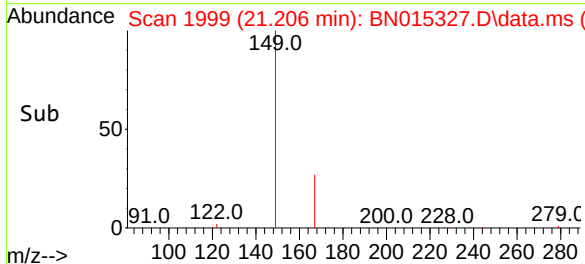
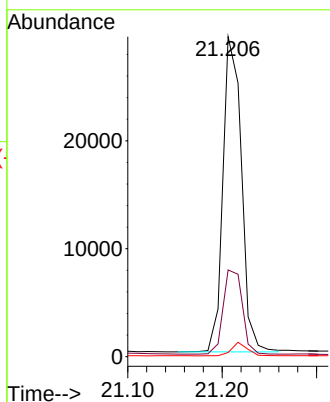
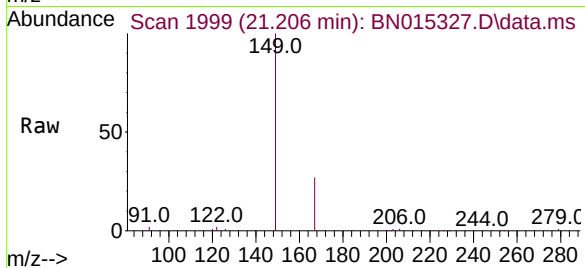




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.49 ng
RT: 21.206 min Scan# 1999
Delta R.T. -0.022 min
Lab File: BN015327.D
Acq: 03 Jul 2021 10:51

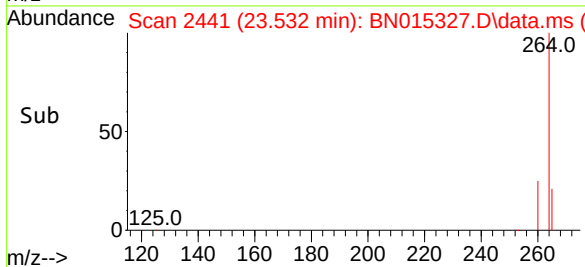
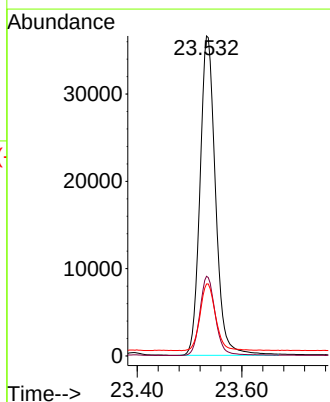
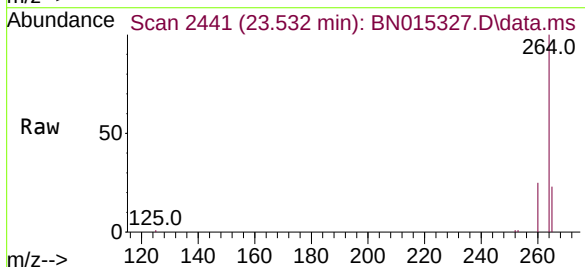
Instrument :
BNA_N
ClientSampleId :
RE122D3-20210622

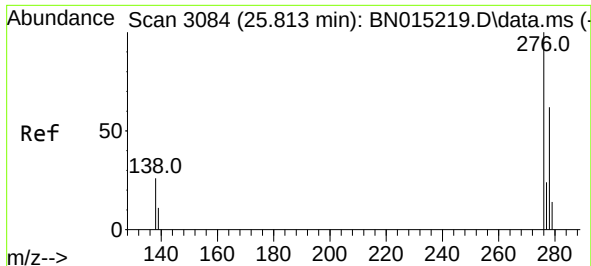
Tgt Ion:149 Resp: 39836
Ion Ratio Lower Upper
149 100
167 27.6 28.9 43.3#
279 3.6 4.9 7.3#



#35
Perylene-d12
Concen: 0.40 ng
RT: 23.532 min Scan# 2441
Delta R.T. -0.018 min
Lab File: BN015327.D
Acq: 03 Jul 2021 10:51

Tgt Ion:264 Resp: 75445
Ion Ratio Lower Upper
264 100
260 24.9 20.6 31.0
265 22.5 21.4 32.2

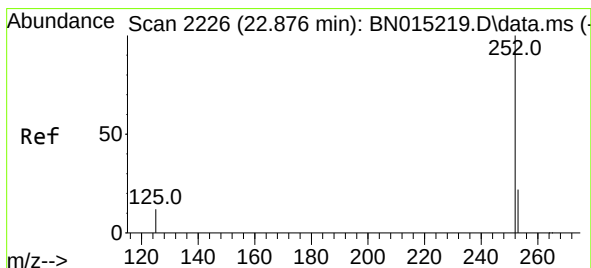
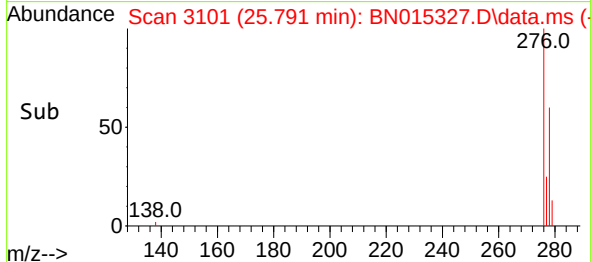
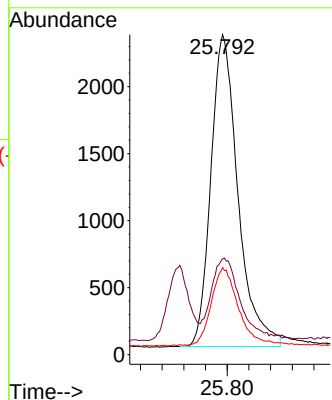
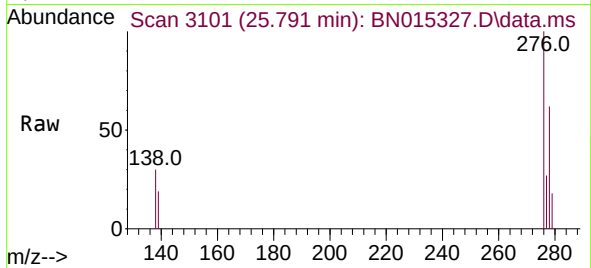




#36
Indeno(1,2,3-cd)pyrene
Concen: 0.03 ng
RT: 25.791 min Scan# 3101
Delta R.T. -0.021 min
Lab File: BN015327.D
Acq: 03 Jul 2021 10:51

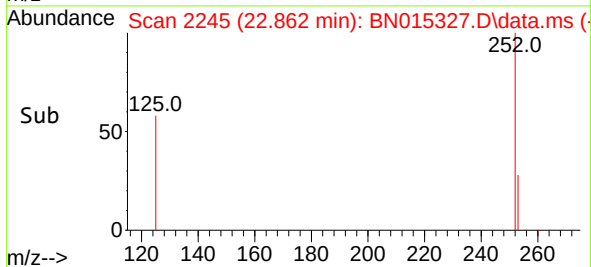
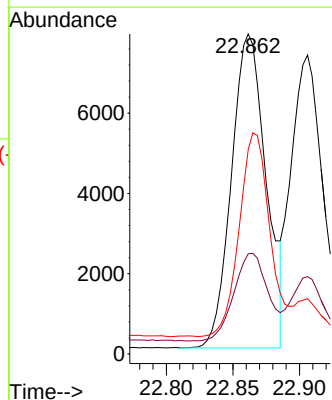
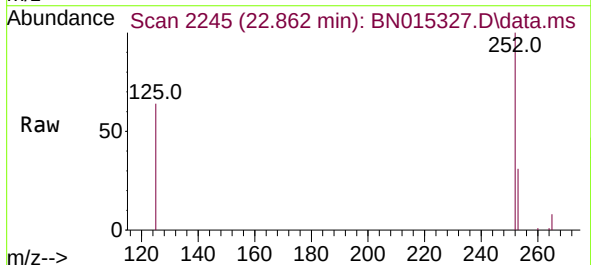
Instrument :
BNA_N
ClientSampleId :
RE122D3-20210622

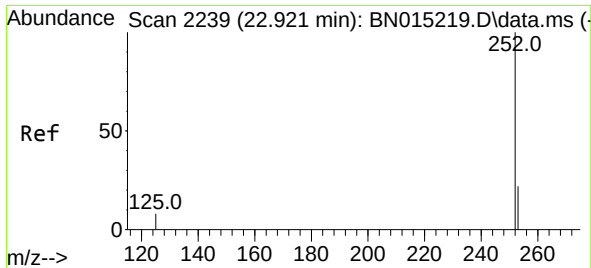
Tgt Ion:276 Resp: 8077
Ion Ratio Lower Upper
276 100
138 24.9 10.0 15.0#
277 24.5 20.4 30.6



#37
Benzo(b)fluoranthene
Concen: 0.05 ng
RT: 22.862 min Scan# 2245
Delta R.T. -0.015 min
Lab File: BN015327.D
Acq: 03 Jul 2021 10:51

Tgt Ion:252 Resp: 14159
Ion Ratio Lower Upper
252 100
253 31.3 18.5 27.7#
125 63.8 5.8 8.6#

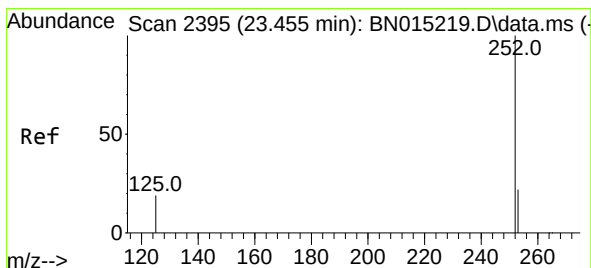
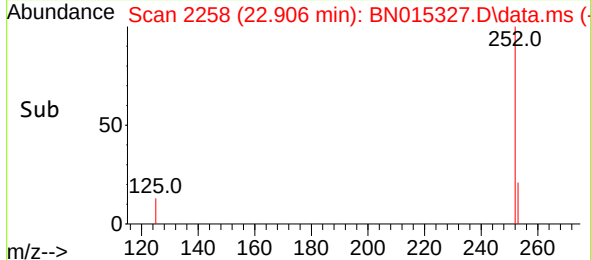
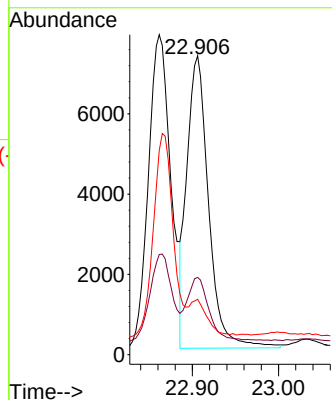
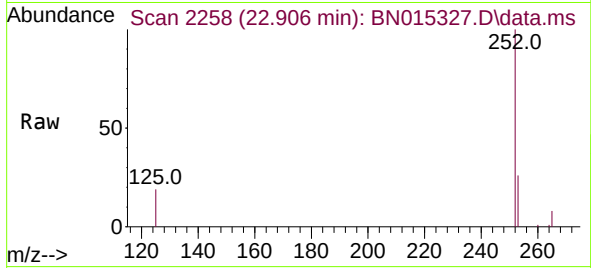




#38
Benzo(k)fluoranthene
Concen: 0.04 ng
RT: 22.906 min Scan# 2258
Delta R.T. -0.015 min
Lab File: BN015327.D
Acq: 03 Jul 2021 10:51

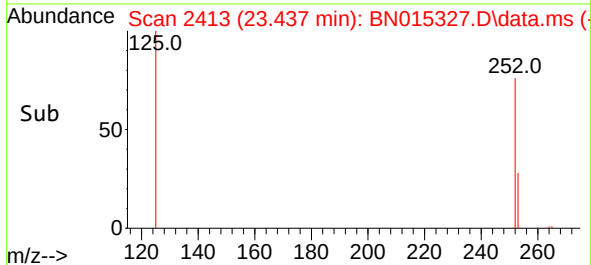
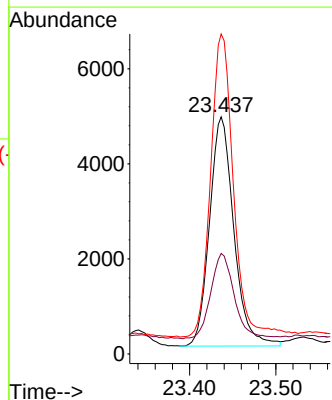
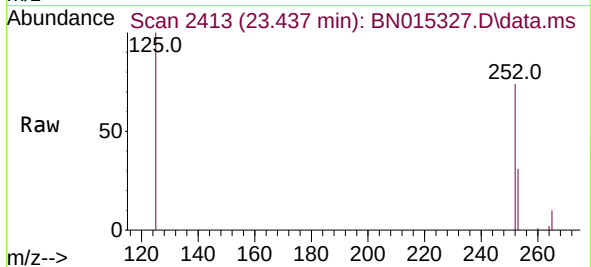
Instrument :
BNA_N
ClientSampleId :
RE122D3-20210622

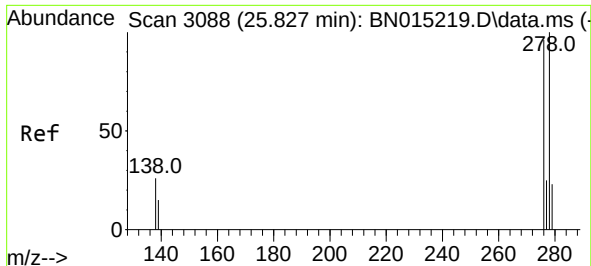
Tgt Ion:252 Resp: 12754
Ion Ratio Lower Upper
252 100
253 25.8 19.1 28.7
125 18.5 5.4 8.0#



#39
Benzo(a)pyrene
Concen: 0.03 ng
RT: 23.437 min Scan# 2413
Delta R.T. -0.018 min
Lab File: BN015327.D
Acq: 03 Jul 2021 10:51

Tgt Ion:252 Resp: 9463
Ion Ratio Lower Upper
252 100
253 42.4 19.4 29.2#
125 135.0 7.4 11.2#

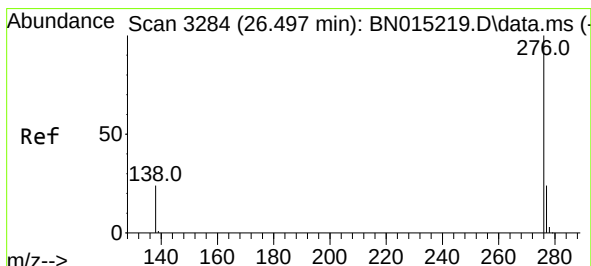
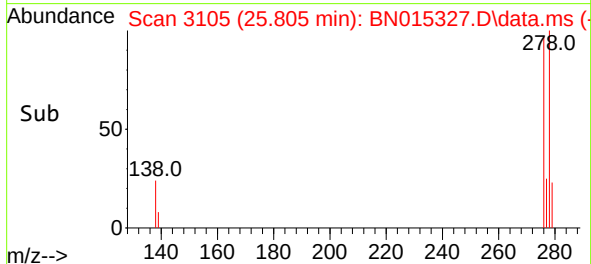
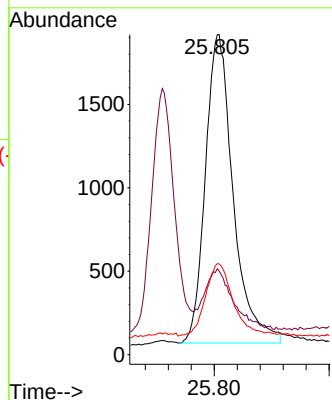
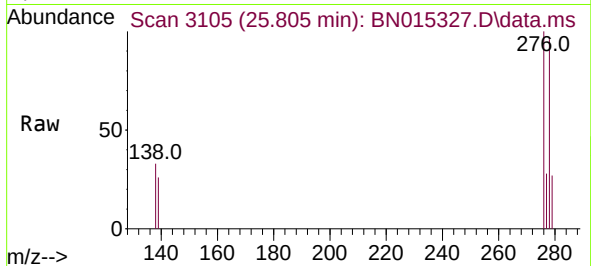




#40
Dibenzo(a,h)anthracene
Concen: 0.03 ng
RT: 25.805 min Scan# 3105
Delta R.T. -0.021 min
Lab File: BN015327.D
Acq: 03 Jul 2021 10:51

Instrument :
BNA_N
ClientSampleId :
RE122D3-20210622

Tgt Ion:278 Resp: 6211
Ion Ratio Lower Upper
278 100
139 26.9 9.0 13.4#
279 28.4 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: BN015327.D
Acq: 03 Jul 2021 10:51

Tgt Ion:276 Resp: 7262
Ion Ratio Lower Upper
276 100
277 26.3 19.7 29.5
138 29.4 9.8 14.6#

