

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070221\
 Data File : BN015326.D
 Acq On : 03 Jul 2021 10:16
 Operator : CG/JU
 Sample : M2838-16
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RE122D2-20210622

Quant Time: Jul 05 05:49:02 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

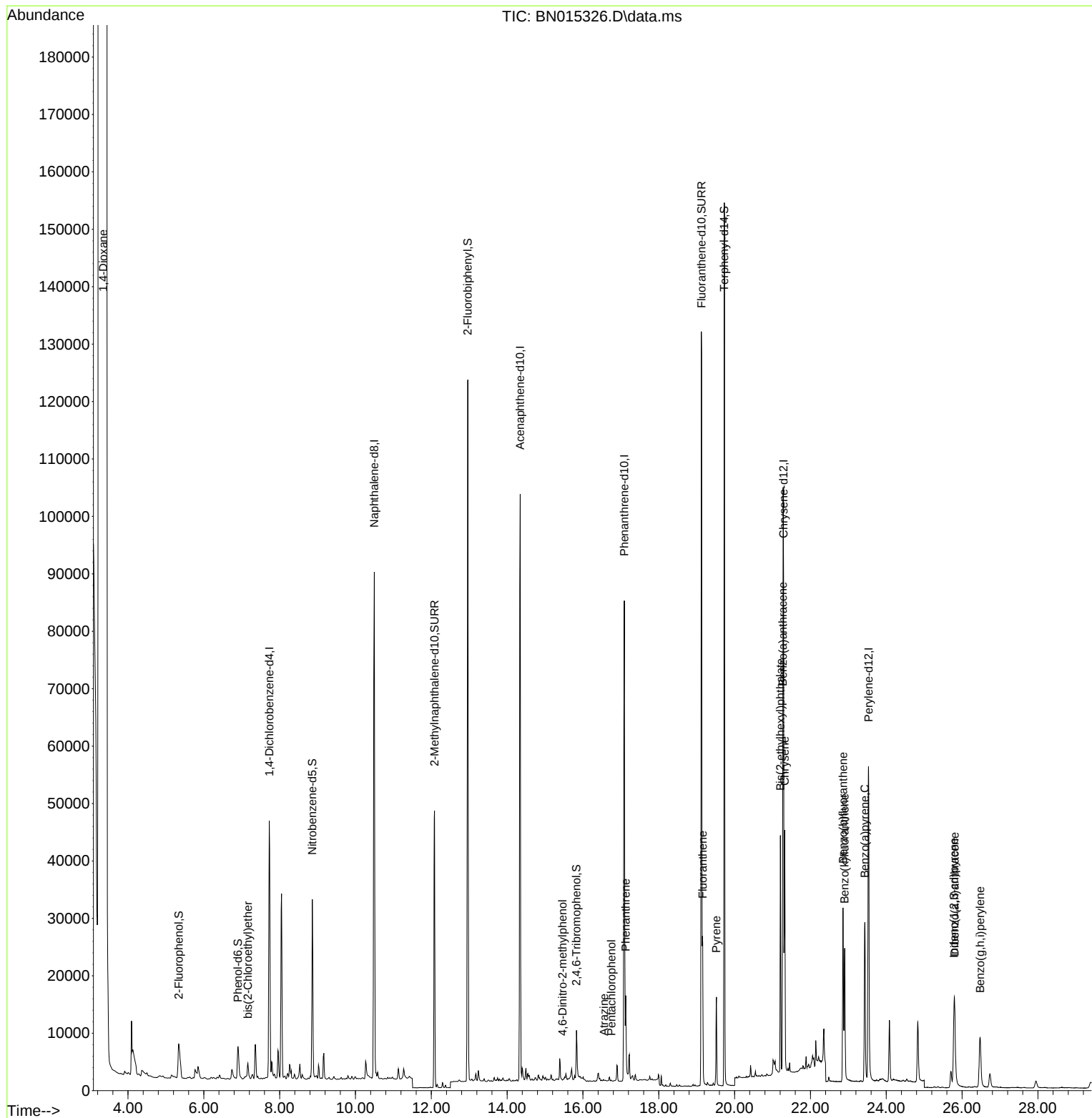
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.726	152	27061	0.40	ng	# 0.00
7) Naphthalene-d8	10.496	136	121497	0.40	ng	# 0.00
13) Acenaphthene-d10	14.345	164	65314	0.40	ng	0.00
19) Phenanthrene-d10	17.091	188	124401	0.40	ng	# 0.00
29) Chrysene-d12	21.291	240	91591	0.40	ng	-0.01
35) Perylene-d12	23.533	264	75080	0.40	ng	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.337	112	9757	0.14	ng	-0.02
5) Phenol-d6	6.896	99	6942	0.08	ng	0.00
8) Nitrobenzene-d5	8.861	82	26604	0.39	ng	0.00
11) 2-Methylnaphthalene-d10	12.083	152	64547	0.32	ng	0.00
14) 2,4,6-Tribromophenol	15.829	330	7031	0.47	ng	-0.01
15) 2-Fluorobiphenyl	12.962	172	103854	0.39	ng	0.00
27) Fluoranthene-d10	19.128	212	149085	0.41	ng	0.00
31) Terphenyl-d14	19.728	244	150958	0.70	ng	-0.01
Target Compounds						
2) 1,4-Dioxane	3.346	88	40575	3.20	ng	# 81
6) bis(2-Chloroethyl)ether	7.163	93	2443	0.03	ng	# 84
20) 4,6-Dinitro-2-methylph...	15.462	198	17	0.20	ng	# 1
23) Atrazine	16.555	200	31	0.17	ng	# 1
24) Pentachlorophenol	16.750	266	74	0.25	ng	90
25) Phenanthrene	17.127	178	13294	0.03	ng	98
28) Fluoranthene	19.157	202	22303	0.05	ng	# 96
30) Pyrene	19.520	202	14085	0.04	ng	97
32) Benzo(a)anthracene	21.270	228	33259	0.11	ng	98
33) Chrysene	21.323	228	34164	0.10	ng	98
34) Bis(2-ethylhexyl)phtha...	21.206	149	36104	0.47	ng	# 87
36) Indeno(1,2,3-cd)pyrene	25.788	276	21043	0.08	ng	# 88
37) Benzo(b)fluoranthene	22.858	252	31042	0.11	ng	# 73
38) Benzo(k)fluoranthene	22.903	252	29971	0.10	ng	# 95
39) Benzo(a)pyrene	23.433	252	27093	0.10	ng	# 35
40) Dibenzo(a,h)anthracene	25.802	278	16419	0.08	ng	# 91
41) Benzo(g,h,i)perylene	26.476	276	20193	0.09	ng	# 88

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

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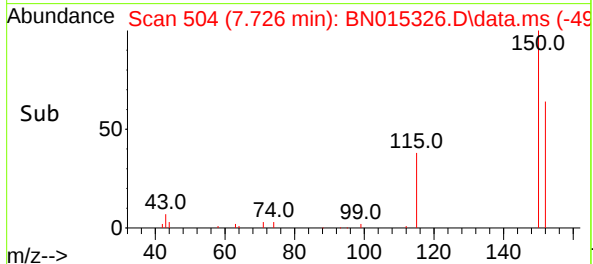
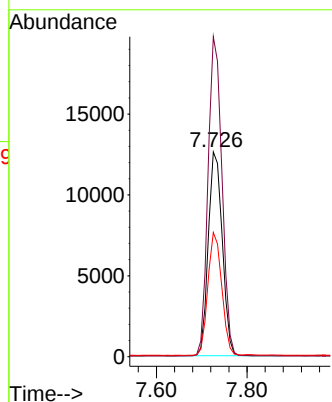
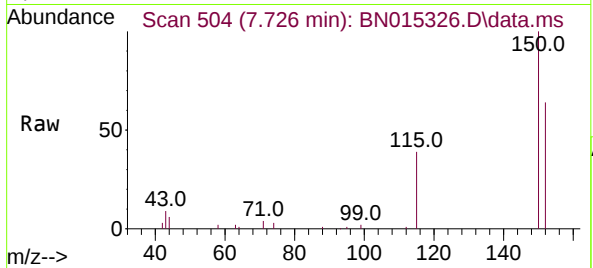




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.40 ng
 RT: 7.726 min Scan# 504
 Delta R.T. -0.006 min
 Lab File: BN015326.D
 Acq: 03 Jul 2021 10:16

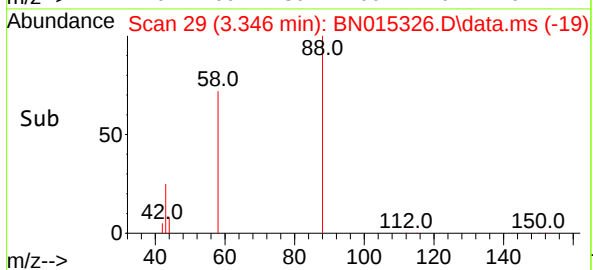
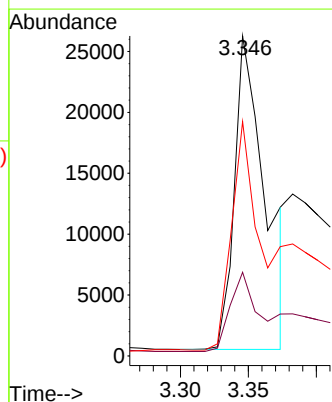
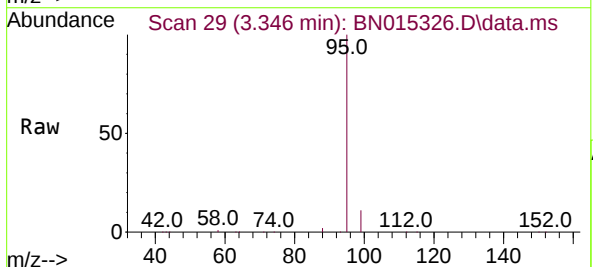
Instrument :
 BNA_N
 ClientSampleId :
 RE122D2-20210622

Tgt Ion: 152 Resp: 27061
 Ion Ratio Lower Upper
 152 100
 150 156.2 119.0 178.6
 115 60.6 62.2 93.4#



#2
 1,4-Dioxane
 Concen: 3.20 ng
 RT: 3.346 min Scan# 29
 Delta R.T. -0.006 min
 Lab File: BN015326.D
 Acq: 03 Jul 2021 10:16

Tgt Ion: 88 Resp: 40575
 Ion Ratio Lower Upper
 88 100
 43 22.3 12.9 19.3#
 58 61.5 38.1 57.1#

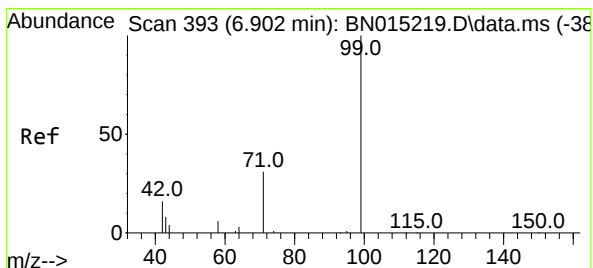
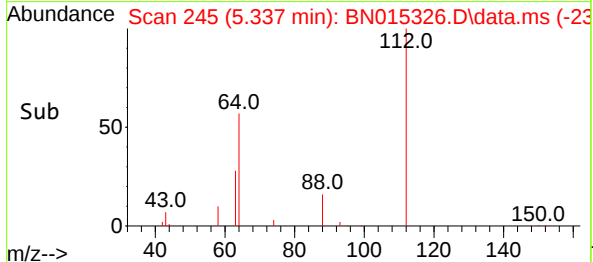
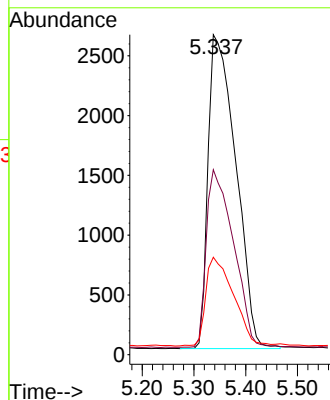
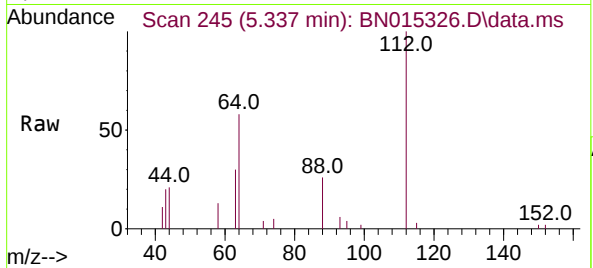




#4
2-Fluorophenol
Concen: 0.14 ng
RT: 5.337 min Scan# 245
Delta R.T. -0.025 min
Lab File: BN015326.D
Acq: 03 Jul 2021 10:16

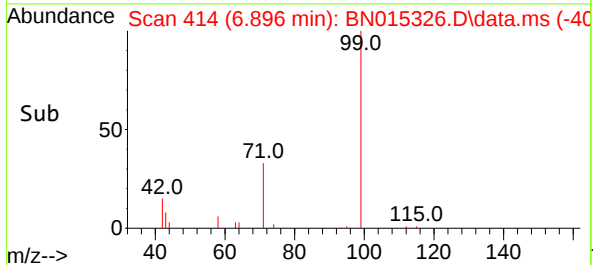
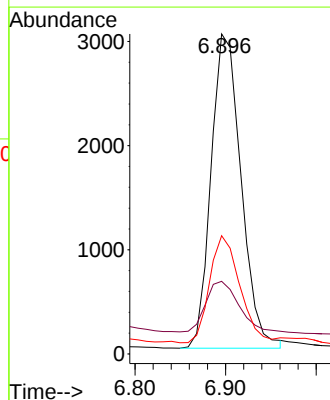
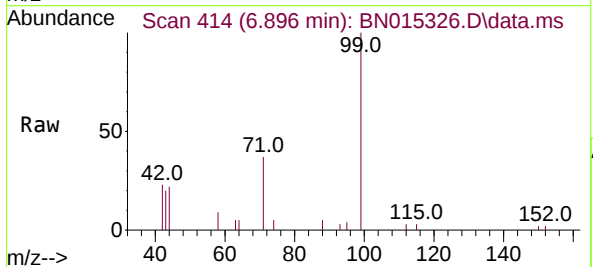
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BNA_N
ClientSampleId :
RE122D2-20210622

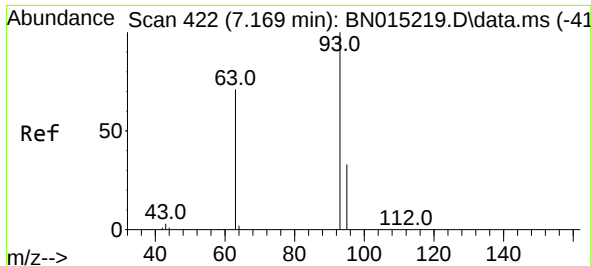
Tgt Ion:112 Resp: 9757
Ion Ratio Lower Upper
112 100
64 55.5 39.0 58.6
63 28.2 20.6 30.8



#5
Phenol-d6
Concen: 0.08 ng
RT: 6.896 min Scan# 414
Delta R.T. -0.006 min
Lab File: BN015326.D
Acq: 03 Jul 2021 10:16

Tgt Ion: 99 Resp: 6942
Ion Ratio Lower Upper
99 100
42 17.5 8.9 13.3#
71 34.1 35.6 53.4#

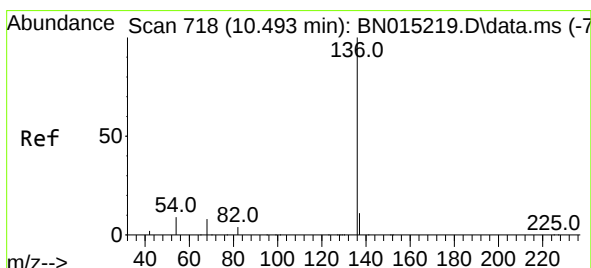
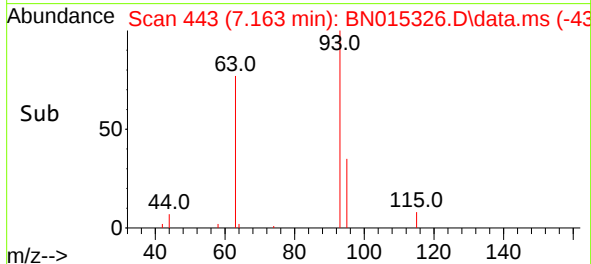
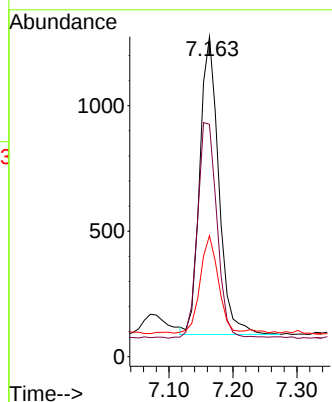
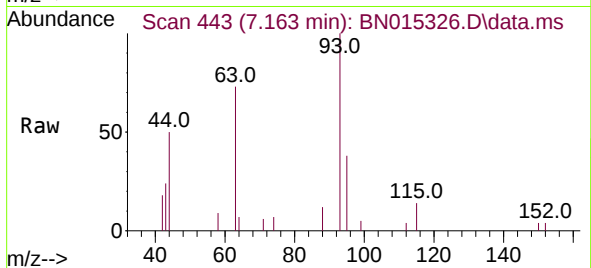




#6
bis(2-Chloroethyl)ether
Concen: 0.03 ng
RT: 7.163 min Scan# 443
Delta R.T. -0.006 min
Lab File: BN015326.D
Acq: 03 Jul 2021 10:16

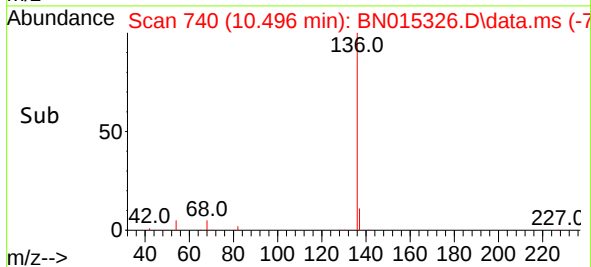
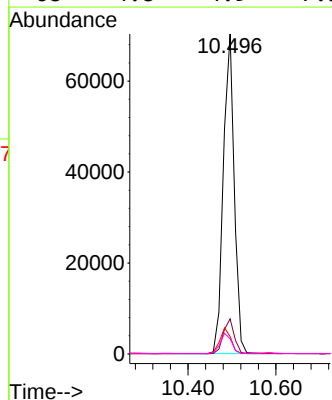
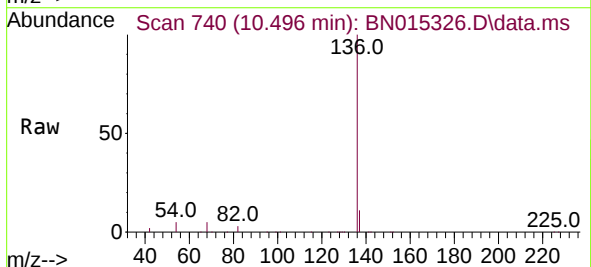
Instrument :
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ClientSampleId :
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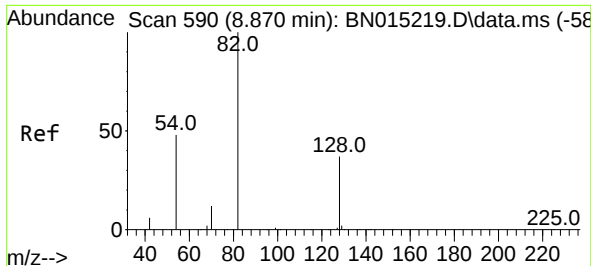
Tgt Ion: 93 Resp: 2443
Ion Ratio Lower Upper
93 100
63 74.6 46.6 70.0#
95 31.4 28.6 42.8



#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.496 min Scan# 740
Delta R.T. 0.003 min
Lab File: BN015326.D
Acq: 03 Jul 2021 10:16

Tgt Ion:136 Resp: 121497
Ion Ratio Lower Upper
136 100
137 11.0 9.8 14.8
54 5.4 5.4 8.2
68 4.8 4.9 7.3#

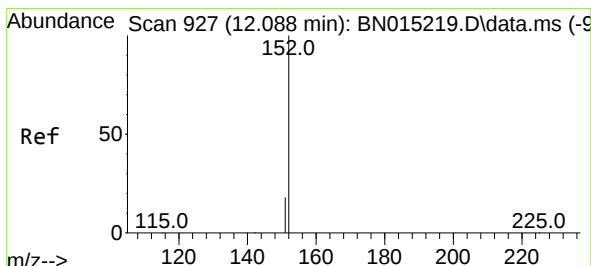
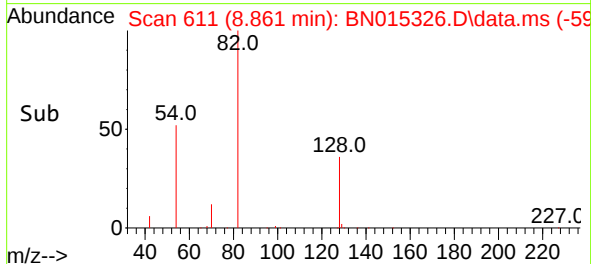
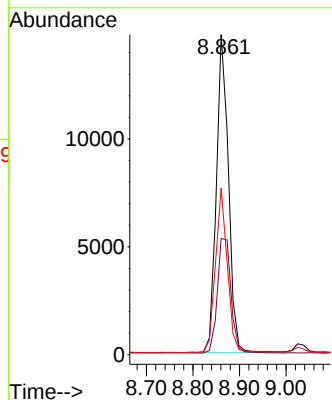
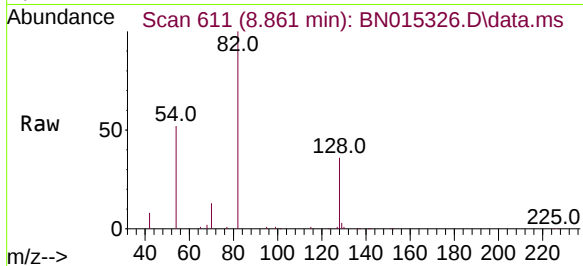




#8
Nitrobenzene-d5
Concen: 0.39 ng
RT: 8.861 min Scan# 611
Delta R.T. -0.009 min
Lab File: BN015326.D
Acq: 03 Jul 2021 10:16

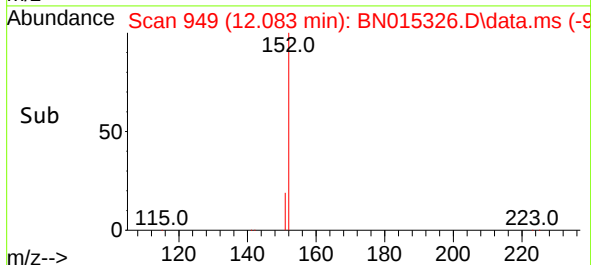
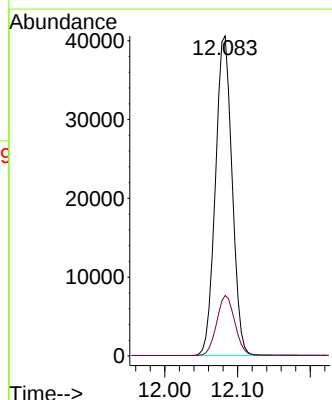
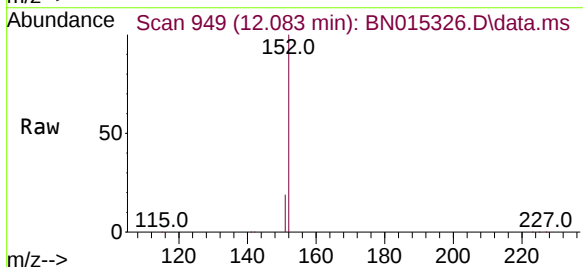
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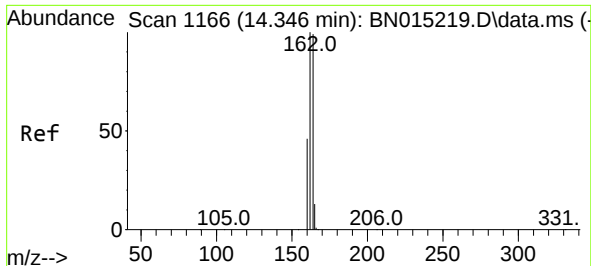
Tgt Ion: 82 Resp: 26604
Ion Ratio Lower Upper
82 100
128 36.3 31.6 47.4
54 52.0 29.0 43.4#



#11
2-Methylnaphthalene-d10
Concen: 0.32 ng
RT: 12.083 min Scan# 949
Delta R.T. -0.005 min
Lab File: BN015326.D
Acq: 03 Jul 2021 10:16

Tgt Ion: 152 Resp: 64547
Ion Ratio Lower Upper
152 100
151 20.5 16.7 25.1

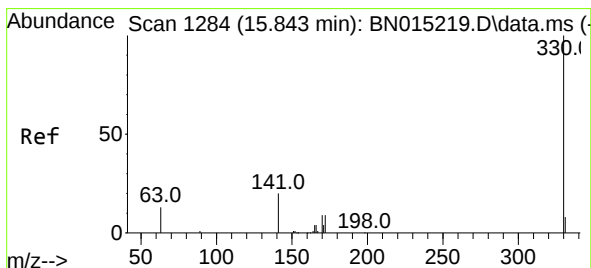
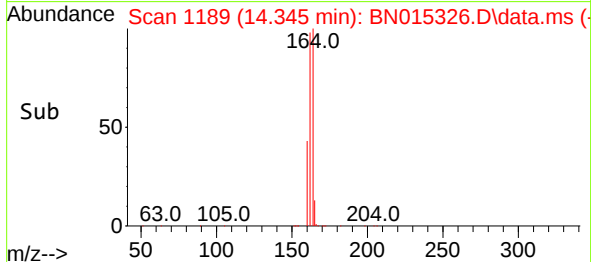
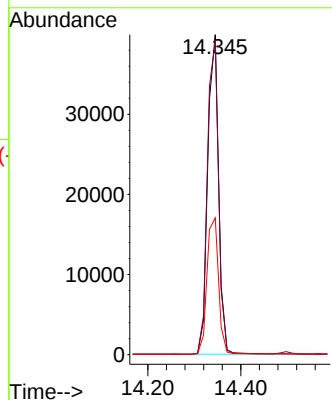
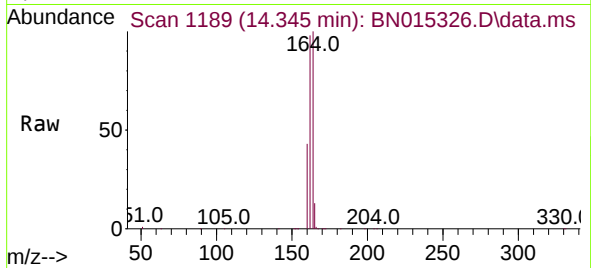




#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.345 min Scan# 1189
Delta R.T. -0.001 min
Lab File: BN015326.D
Acq: 03 Jul 2021 10:16

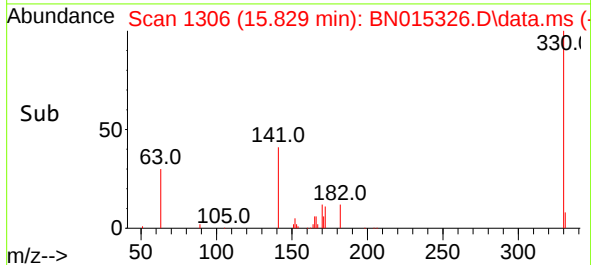
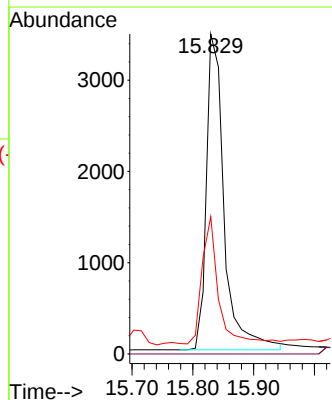
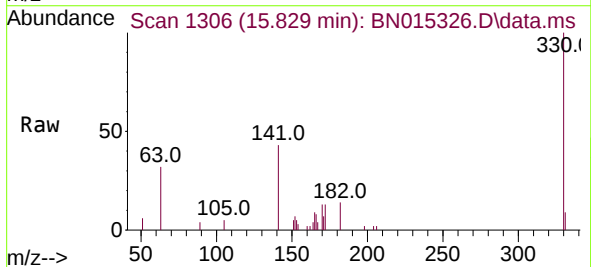
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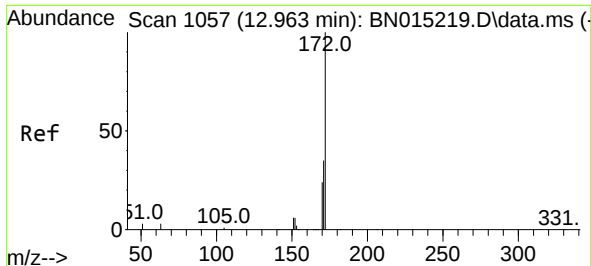
Tgt Ion:164 Resp: 65314
Ion Ratio Lower Upper
164 100
162 98.3 83.8 125.6
160 42.8 37.4 56.0



#14
2,4,6-Tribromophenol
Concen: 0.47 ng
RT: 15.829 min Scan# 1306
Delta R.T. -0.014 min
Lab File: BN015326.D
Acq: 03 Jul 2021 10:16

Tgt Ion:330 Resp: 7031
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 36.7 22.4 33.6#

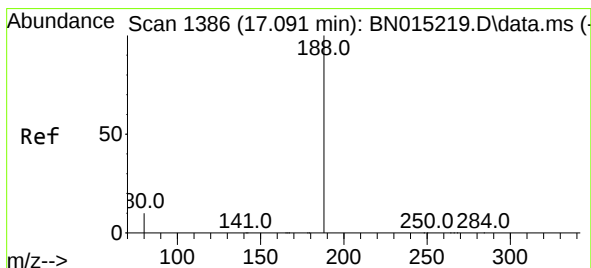
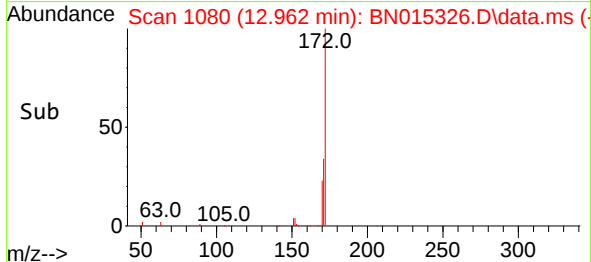
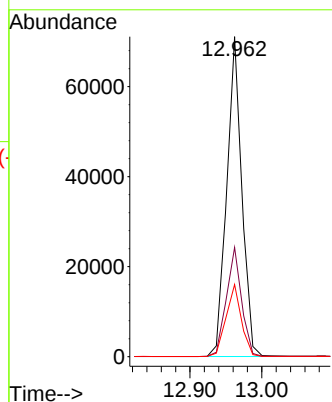
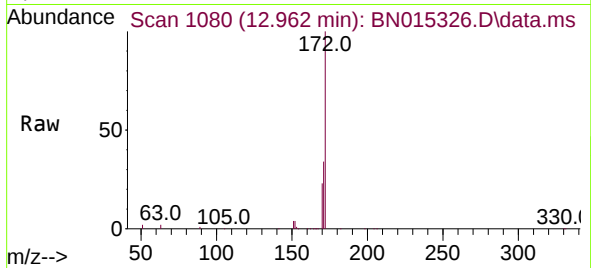




#15
2-Fluorobiphenyl
Concen: 0.39 ng
RT: 12.962 min Scan# 1080
Delta R.T. -0.001 min
Lab File: BN015326.D
Acq: 03 Jul 2021 10:16

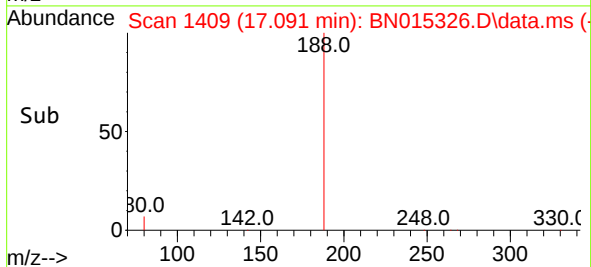
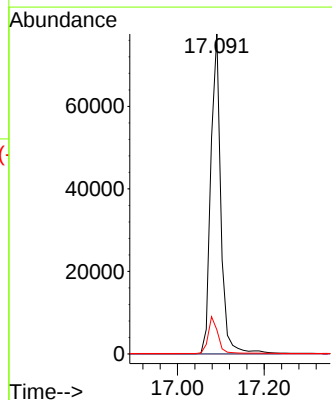
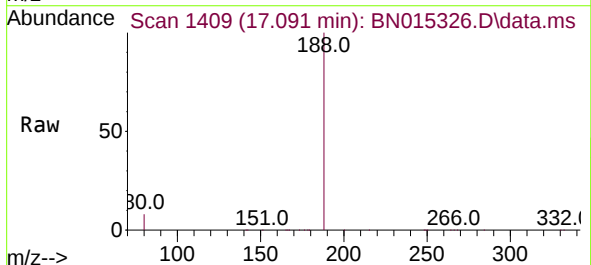
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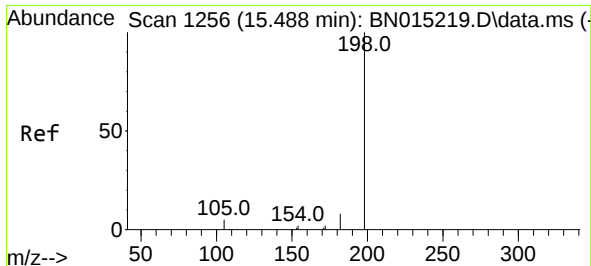
Tgt Ion:172 Resp: 103854
Ion Ratio Lower Upper
172 100
171 34.1 30.6 45.8
170 22.6 20.2 30.4



#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.091 min Scan# 1409
Delta R.T. -0.000 min
Lab File: BN015326.D
Acq: 03 Jul 2021 10:16

Tgt Ion:188 Resp: 124401
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 7.6 9.0 13.4#

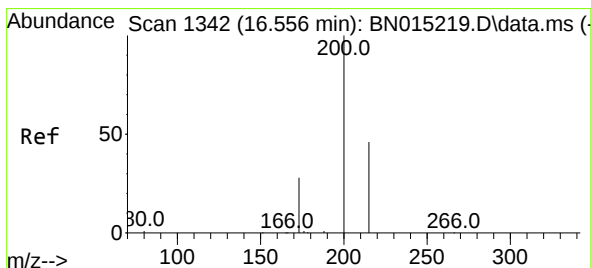
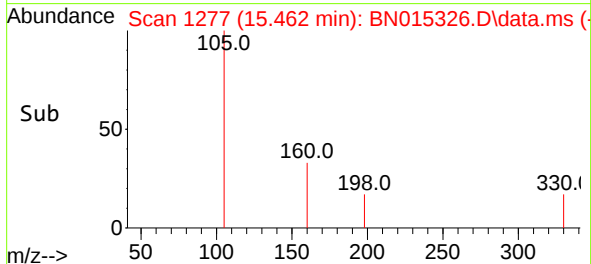
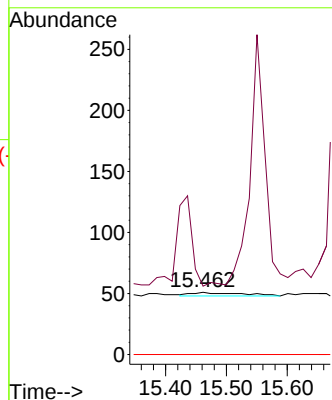
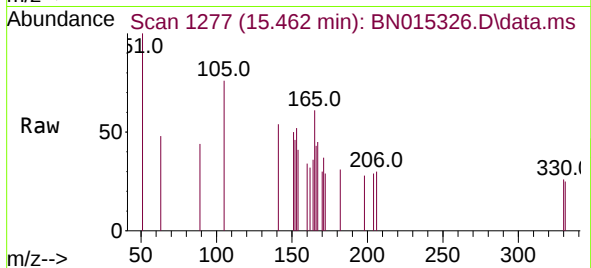




#20
4,6-Dinitro-2-methylphenol
Concen: 0.20 ng
RT: 15.462 min Scan# 1277
Delta R.T. -0.026 min
Lab File: BN015326.D
Acq: 03 Jul 2021 10:16

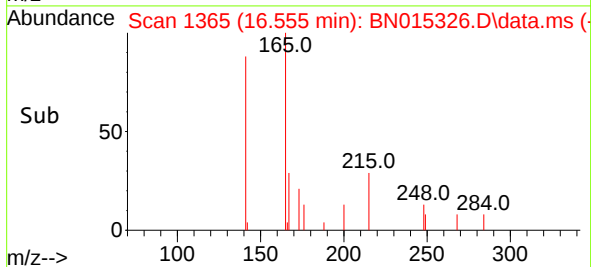
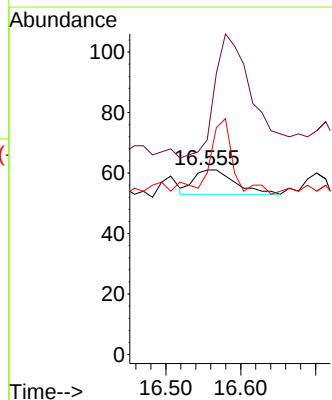
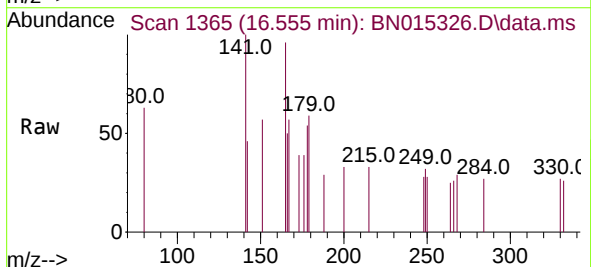
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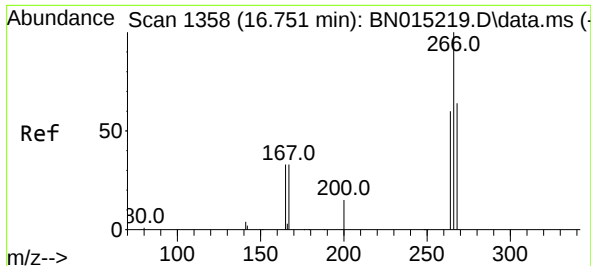
Tgt Ion:198 Resp: 17
Ion Ratio Lower Upper
198 100
182 109.8 34.5 51.7#
77 0.0 0.0 0.0



#23
Atrazine
Concen: 0.17 ng
RT: 16.555 min Scan# 1365
Delta R.T. -0.001 min
Lab File: BN015326.D
Acq: 03 Jul 2021 10:16

Tgt Ion:200 Resp: 31
Ion Ratio Lower Upper
200 100
173 116.4 21.7 32.5#
215 98.4 43.1 64.7#

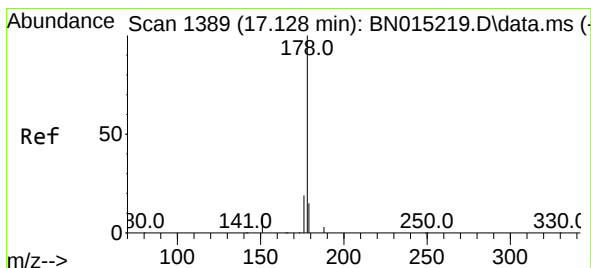
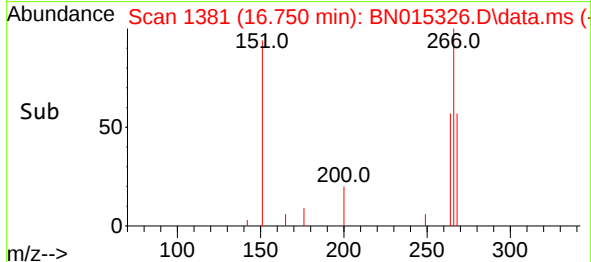
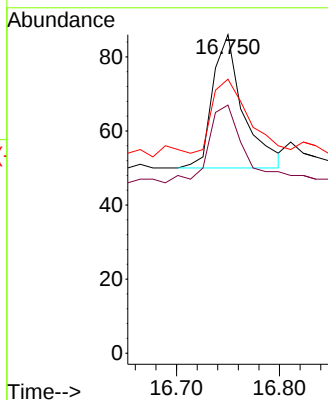
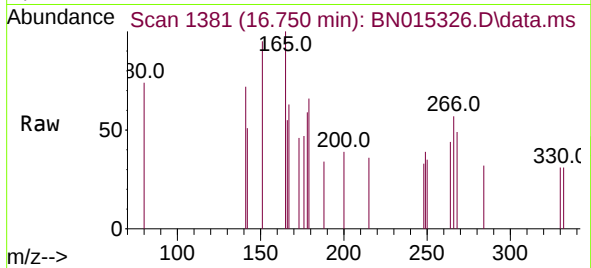




#24
Pentachlorophenol
Concen: 0.25 ng
RT: 16.750 min Scan# 1381
Delta R.T. -0.001 min
Lab File: BN015326.D
Acq: 03 Jul 2021 10:16

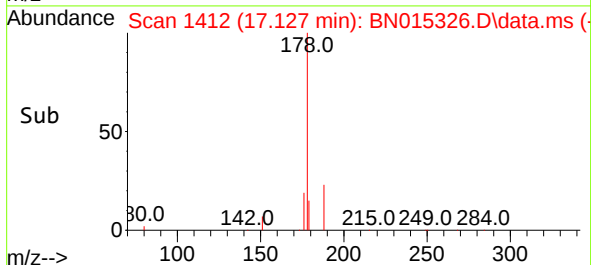
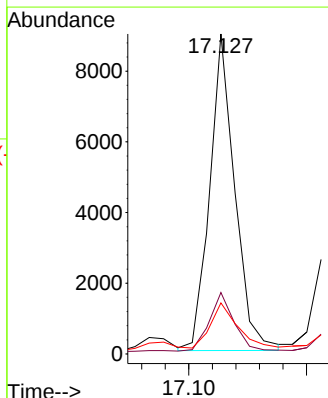
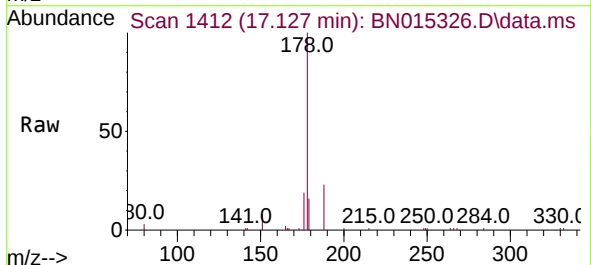
Instrument :
BNA_N
ClientSampleId :
RE122D2-20210622

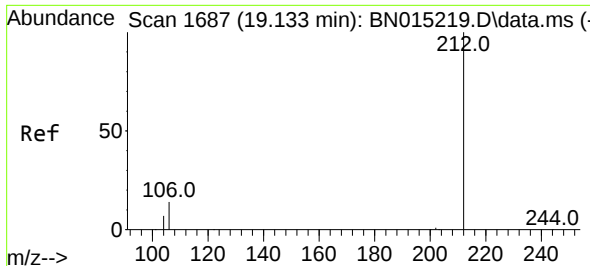
Tgt Ion:	266	Resp:	74
Ion	Ratio	Lower	Upper
266	100		
264	71.6	51.0	76.4
268	70.3	50.6	76.0



#25
Phenanthrene
Concen: 0.03 ng
RT: 17.127 min Scan# 1412
Delta R.T. -0.001 min
Lab File: BN015326.D
Acq: 03 Jul 2021 10:16

Tgt Ion:	178	Resp:	13294
Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.6	23.4
179	17.1	12.1	18.1

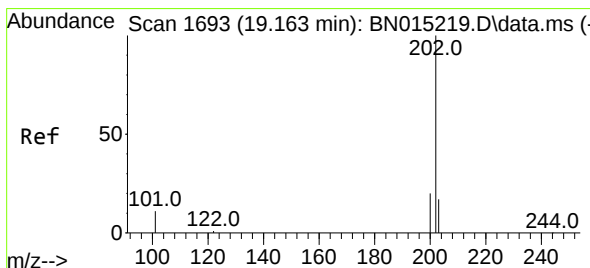
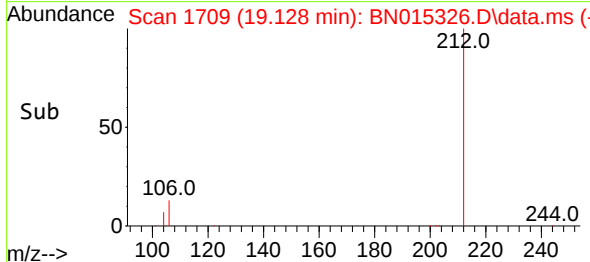
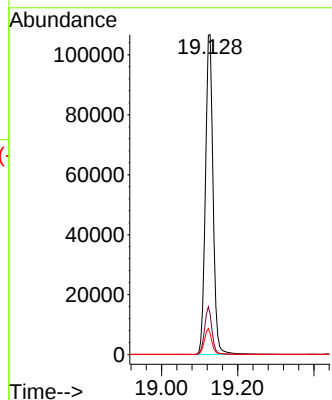
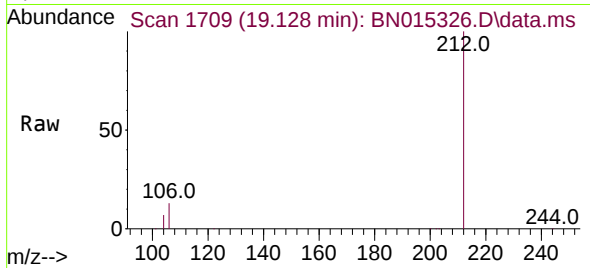




#27
Fluoranthene-d10
Concen: 0.41 ng
RT: 19.128 min Scan# 1709
Delta R.T. -0.005 min
Lab File: BN015326.D
Acq: 03 Jul 2021 10:16

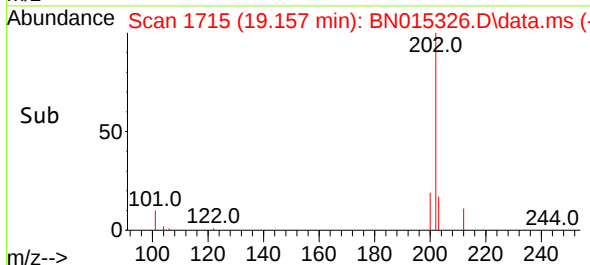
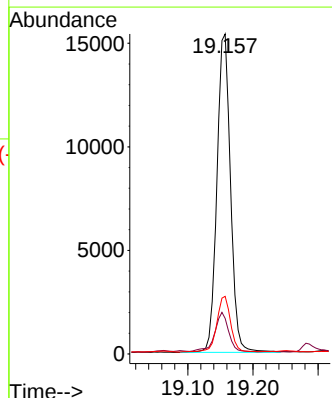
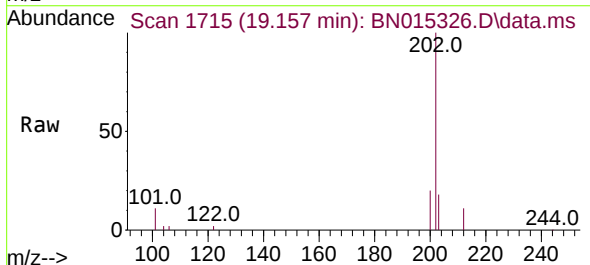
Instrument :
BNA_N
ClientSampleId :
RE122D2-20210622

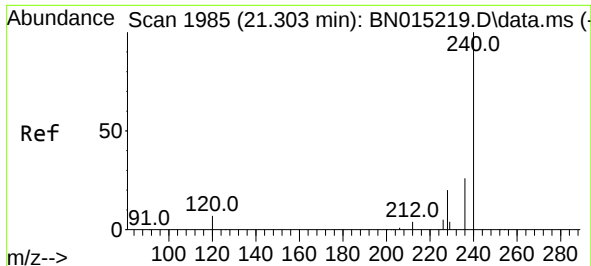
Tgt Ion:212 Resp: 149085
Ion Ratio Lower Upper
212 100
106 14.4 7.0 10.6#
104 7.9 4.1 6.1#



#28
Fluoranthene
Concen: 0.05 ng
RT: 19.157 min Scan# 1715
Delta R.T. -0.006 min
Lab File: BN015326.D
Acq: 03 Jul 2021 10:16

Tgt Ion:202 Resp: 22303
Ion Ratio Lower Upper
202 100
101 12.6 6.6 10.0#
203 17.7 13.9 20.9

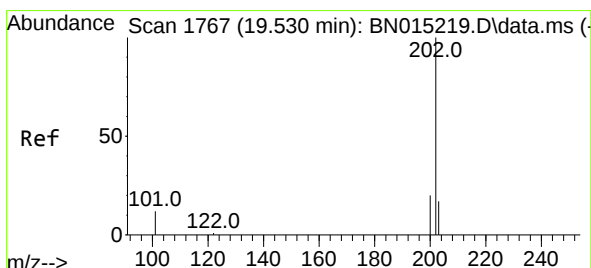
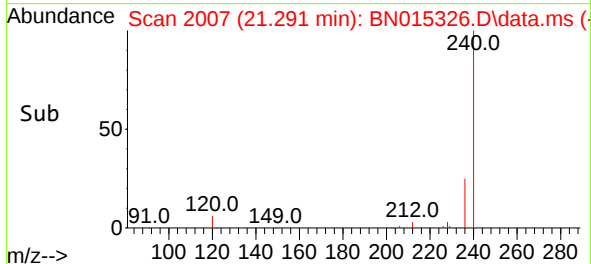
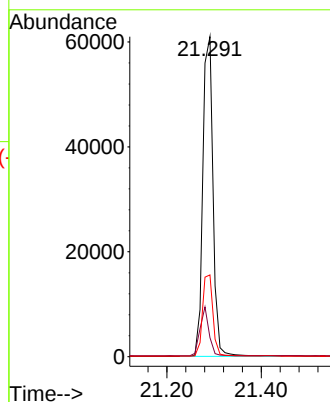
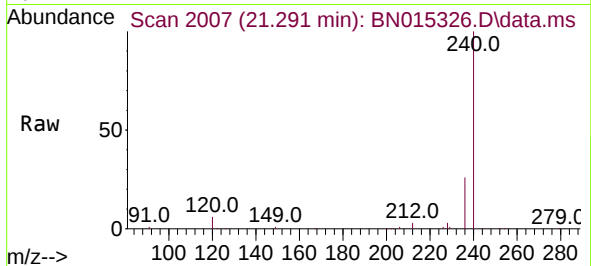




#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.291 min Scan# 2007
Delta R.T. -0.012 min
Lab File: BN015326.D
Acq: 03 Jul 2021 10:16

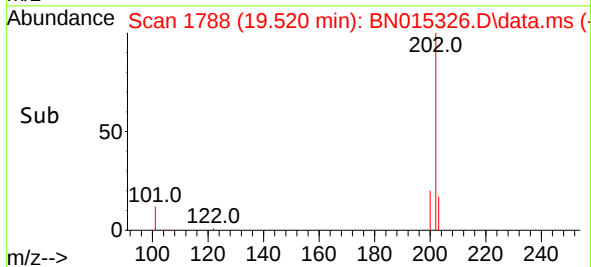
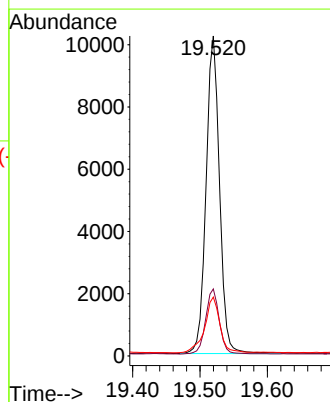
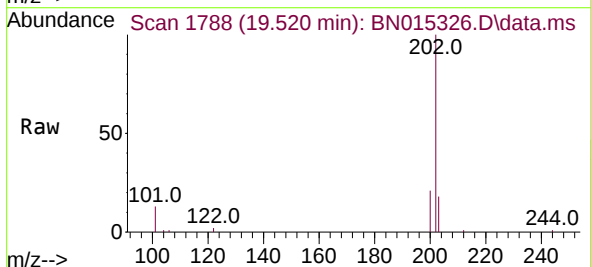
Instrument :
BNA_N
ClientSampleId :
RE122D2-20210622

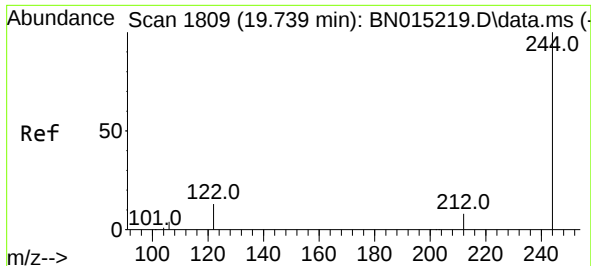
Tgt Ion:240 Resp: 91591
Ion Ratio Lower Upper
240 100
120 6.0 4.2 6.4
236 25.5 21.4 32.2



#30
Pyrene
Concen: 0.04 ng
RT: 19.520 min Scan# 1788
Delta R.T. -0.010 min
Lab File: BN015326.D
Acq: 03 Jul 2021 10:16

Tgt Ion:202 Resp: 14085
Ion Ratio Lower Upper
202 100
200 20.9 16.9 25.3
203 19.9 13.9 20.9

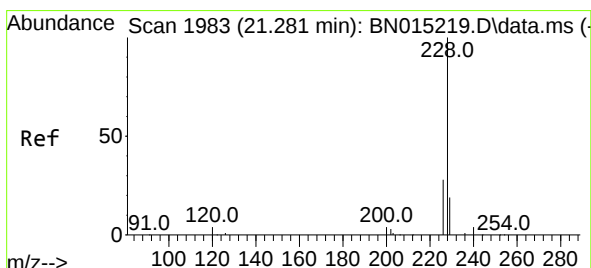
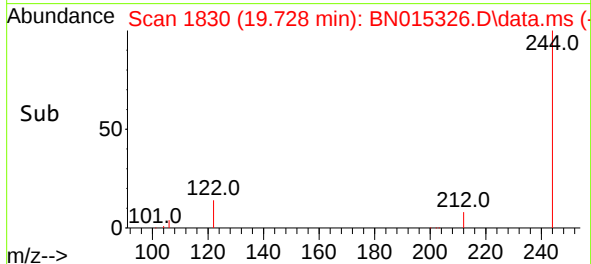
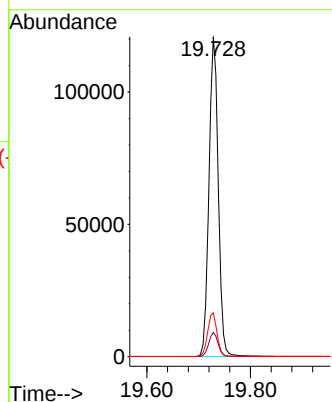
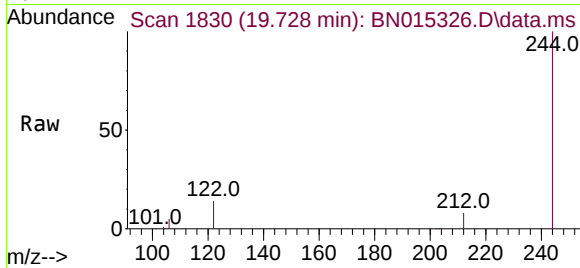




#31
 Terphenyl-d14
 Concen: 0.70 ng
 RT: 19.728 min Scan# 1830
 Delta R.T. -0.011 min
 Lab File: BN015326.D
 Acq: 03 Jul 2021 10:16

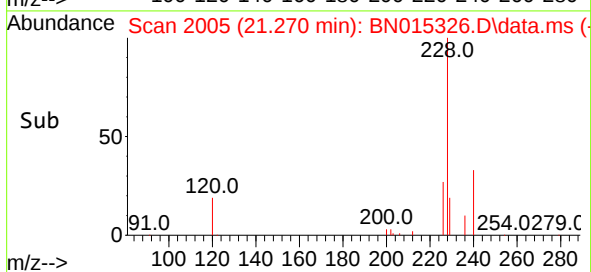
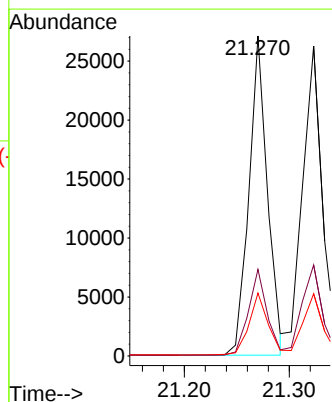
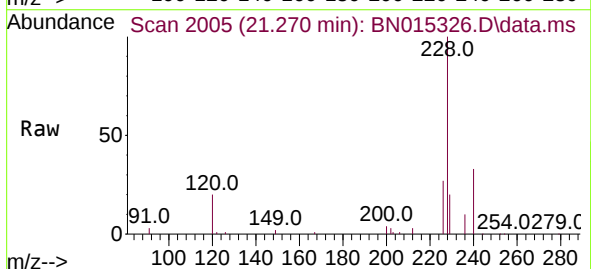
Instrument :
 BNA_N
 ClientSampleId :
 RE122D2-20210622

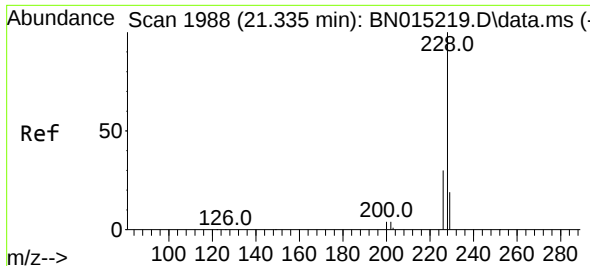
Tgt Ion:244 Resp: 150958
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.3 9.5
 122 13.6 6.2 9.2#



#32
 Benzo(a)anthracene
 Concen: 0.11 ng
 RT: 21.270 min Scan# 2005
 Delta R.T. -0.011 min
 Lab File: BN015326.D
 Acq: 03 Jul 2021 10:16

Tgt Ion:228 Resp: 33259
 Ion Ratio Lower Upper
 228 100
 226 27.0 23.0 34.6
 229 19.7 15.7 23.5

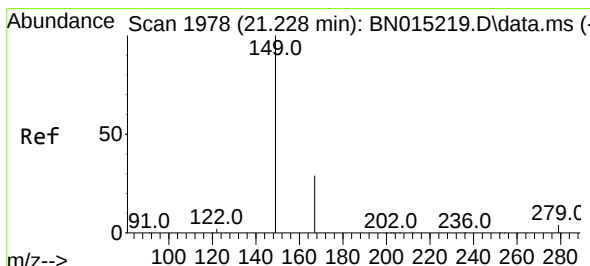
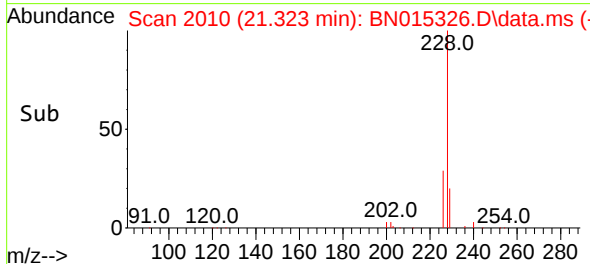
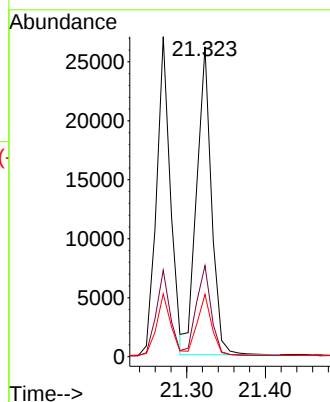
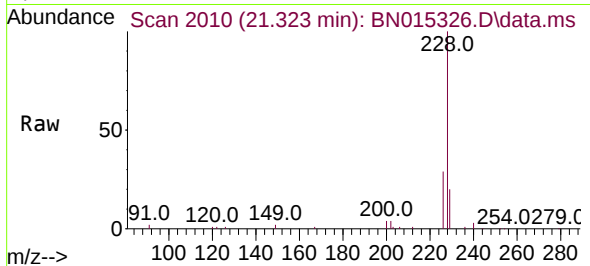




#33
Chrysene
Concen: 0.10 ng
RT: 21.323 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BN015326.D
Acq: 03 Jul 2021 10:16

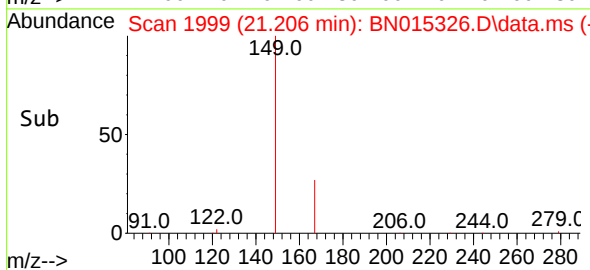
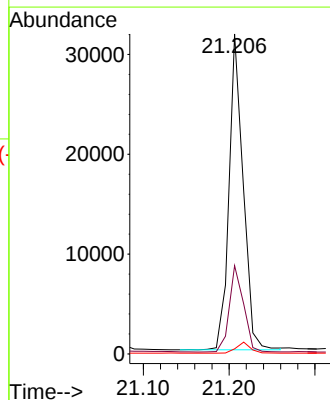
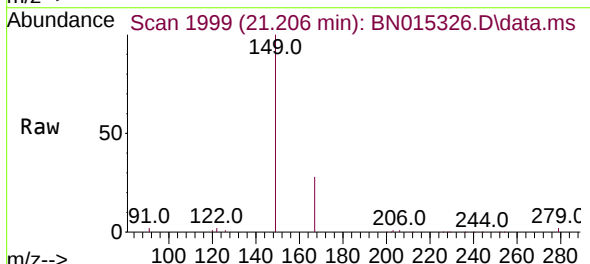
Instrument :
BNA_N
ClientSampleId :
RE122D2-20210622

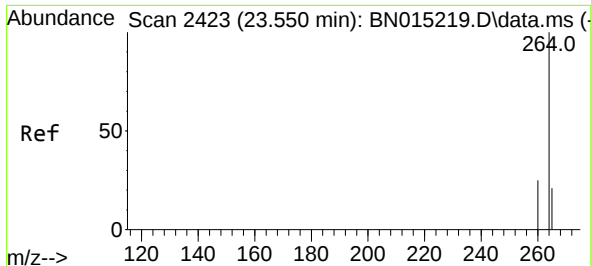
Tgt Ion:	228	Resp:	34164
Ion Ratio	Lower	Upper	
228	100		
226	29.4	25.0	37.6
229	20.1	15.9	23.9



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.47 ng
RT: 21.206 min Scan# 1999
Delta R.T. -0.022 min
Lab File: BN015326.D
Acq: 03 Jul 2021 10:16

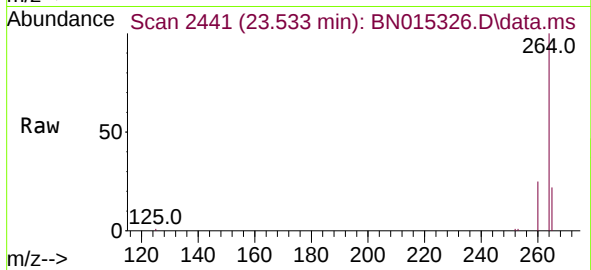
Tgt Ion:	149	Resp:	36104
Ion Ratio	Lower	Upper	
149	100		
167	27.6	28.9	43.3#
279	3.5	4.9	7.3#



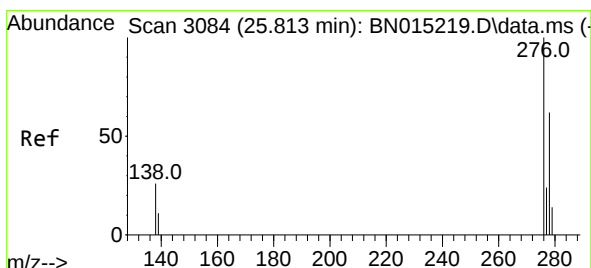
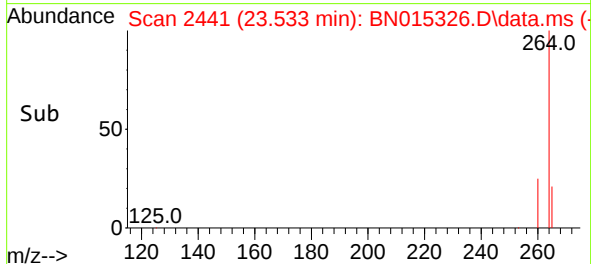
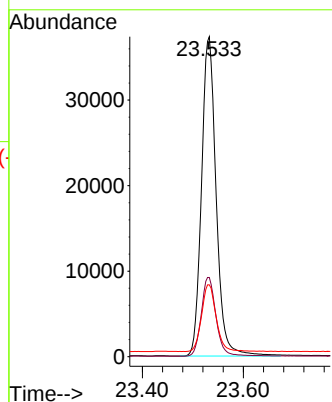


#35
 Perylene-d12
 Concen: 0.40 ng
 RT: 23.533 min Scan# 2441
 Delta R.T. -0.017 min
 Lab File: BN015326.D
 Acq: 03 Jul 2021 10:16

Instrument :
 BNA_N
 ClientSampleId :
 RE122D2-20210622

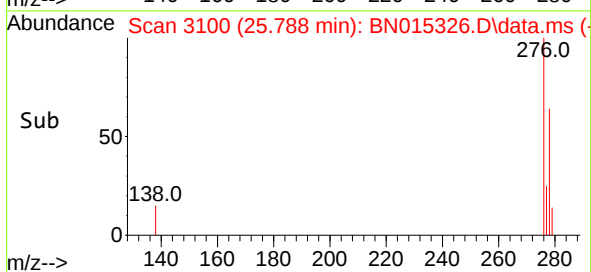
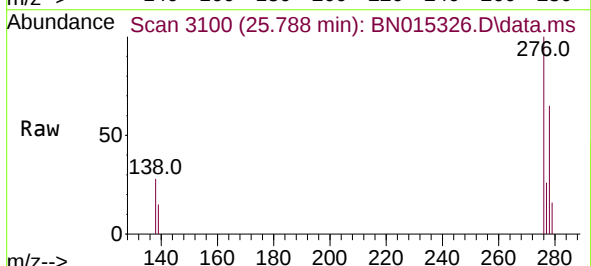
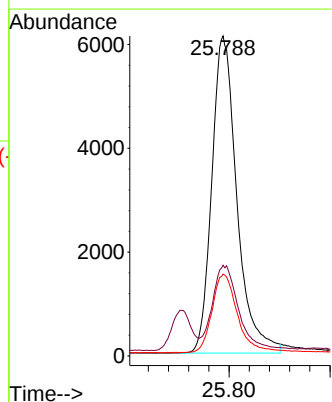


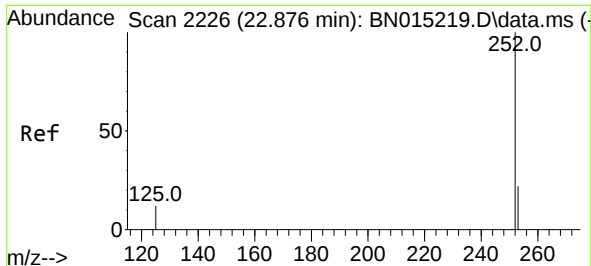
Tgt Ion:264 Resp: 75080
 Ion Ratio Lower Upper
 264 100
 260 24.8 20.6 31.0
 265 22.5 21.4 32.2



#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.08 ng
 RT: 25.788 min Scan# 3100
 Delta R.T. -0.025 min
 Lab File: BN015326.D
 Acq: 03 Jul 2021 10:16

Tgt Ion:276 Resp: 21043
 Ion Ratio Lower Upper
 276 100
 138 25.7 10.0 15.0#
 277 24.9 20.4 30.6

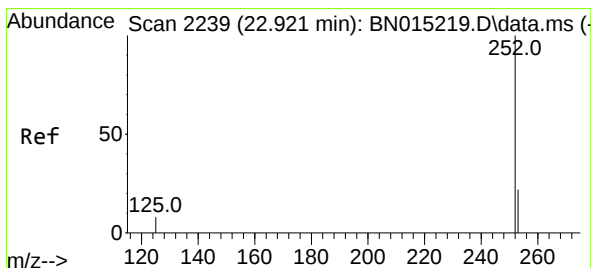
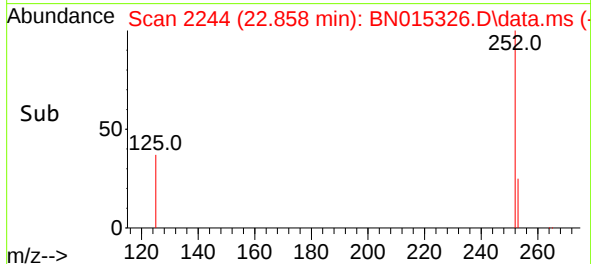
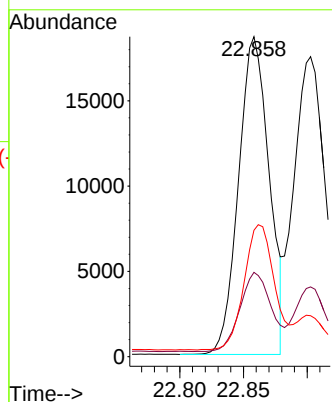
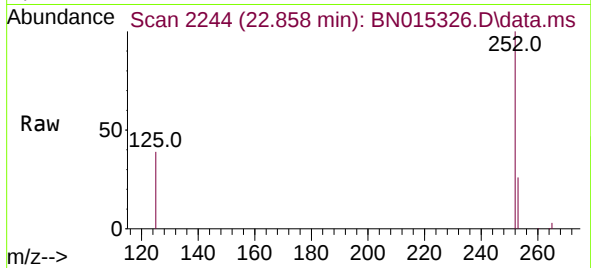




#37
Benzo(b)fluoranthene
Concen: 0.11 ng
RT: 22.858 min Scan# 2244
Delta R.T. -0.018 min
Lab File: BN015326.D
Acq: 03 Jul 2021 10:16

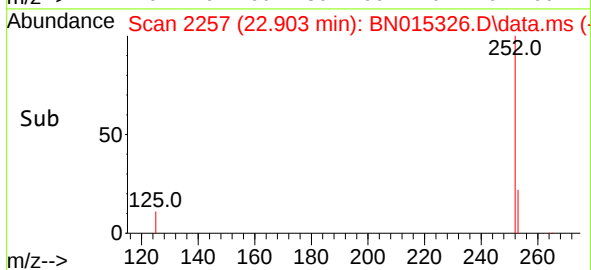
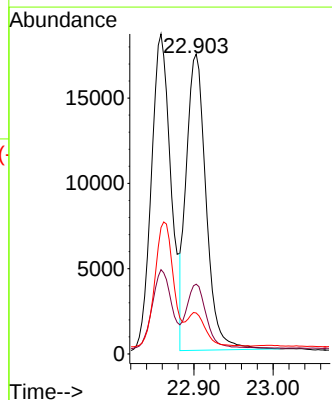
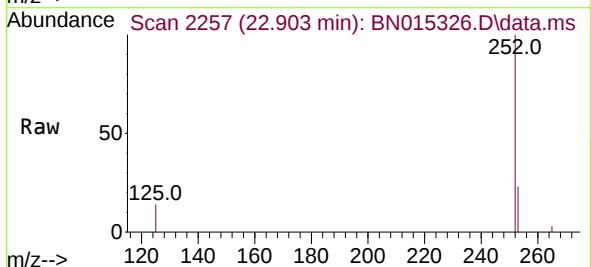
Instrument :
BNA_N
ClientSampleId :
RE122D2-20210622

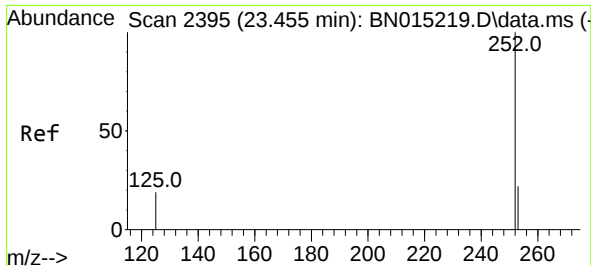
Tgt Ion:252 Resp: 31042
Ion Ratio Lower Upper
252 100
253 26.3 18.5 27.7
125 39.5 5.8 8.6#



#38
Benzo(k)fluoranthene
Concen: 0.10 ng
RT: 22.903 min Scan# 2257
Delta R.T. -0.018 min
Lab File: BN015326.D
Acq: 03 Jul 2021 10:16

Tgt Ion:252 Resp: 29971
Ion Ratio Lower Upper
252 100
253 23.3 19.1 28.7
125 13.7 5.4 8.0#





#39

Benzo(a)pyrene

Concen: 0.10 ng

RT: 23.433 min Scan# 2412

Delta R.T. -0.021 min

Lab File: BN015326.D

Acq: 03 Jul 2021 10:16

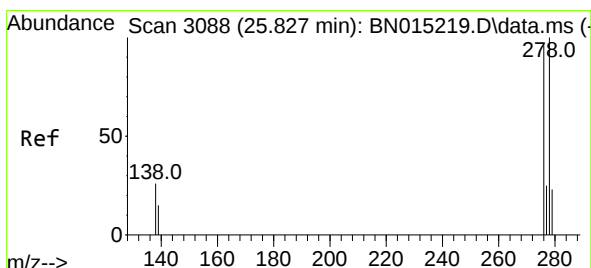
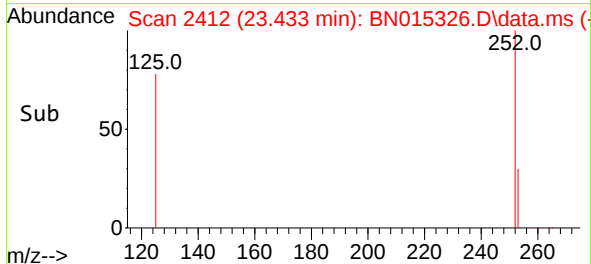
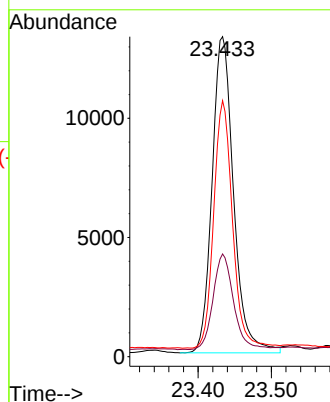
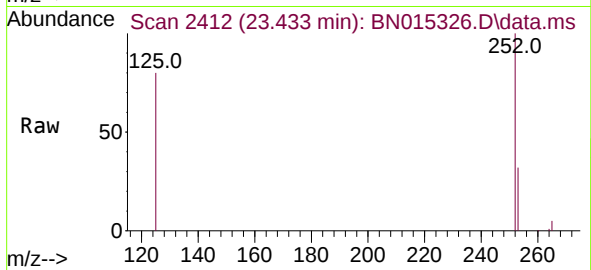
Tgt Ion:252	Resp:	27093
Ion Ratio	Lower	Upper
252	100	
253	32.1	19.4 29.2#
125	80.0	7.4 11.2#

Instrument :

BNA_N

ClientSampleId :

RE122D2-20210622



#40

Dibenzo(a,h)anthracene

Concen: 0.08 ng

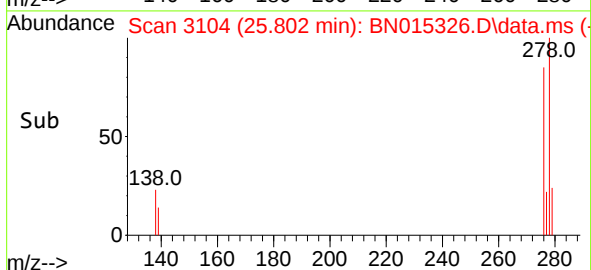
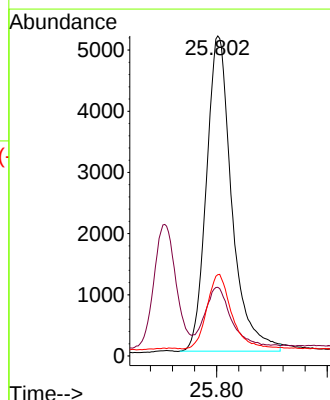
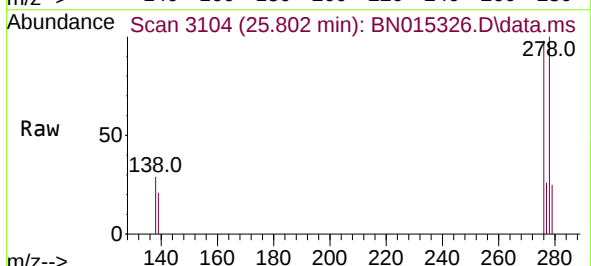
RT: 25.802 min Scan# 3104

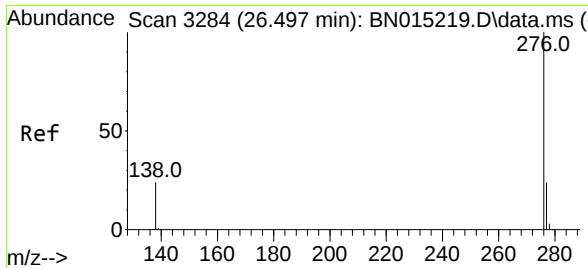
Delta R.T. -0.025 min

Lab File: BN015326.D

Acq: 03 Jul 2021 10:16

Tgt Ion:278	Resp:	16419
Ion Ratio	Lower	Upper
278	100	
139	21.5	9.0 13.4#
279	25.4	21.0 31.4





#41
Benzo(g,h,i)perylene
Concen: 0.09 ng
RT: 26.476 min Scan# 3301
Delta R.T. -0.021 min
Lab File: BN015326.D
Acq: 03 Jul 2021 10:16

Instrument :
BNA_N
ClientSampleId :
RE122D2-20210622

Tgt Ion: 276 Resp: 20193
Ion Ratio Lower Upper
276 100
277 24.5 19.7 29.5
138 25.8 9.8 14.6#

