

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN052421\
 Data File : BN014716.D
 Acq On : 24 May 2021 15:00
 Operator : CG/JU
 Sample : M2434-07
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 TW-SB-2

Quant Time: May 24 15:29:55 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN051121.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 21 11:30:28 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

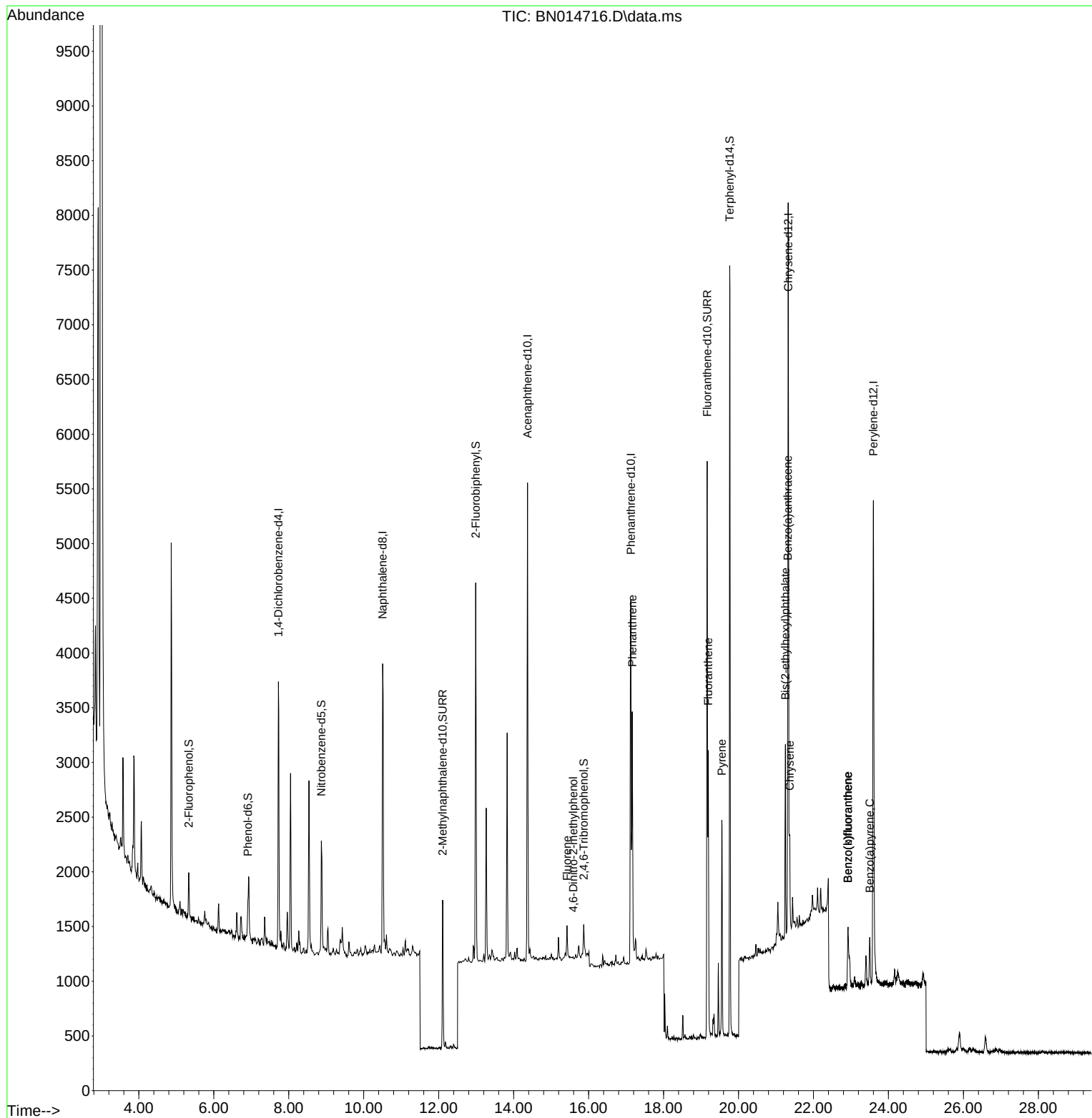
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.724	152	1086	0.40	ng	# 0.00
7) Naphthalene-d8	10.505	136	3856	0.40	ng	# 0.00
13) Acenaphthene-d10	14.371	164	2480	0.40	ng	0.00
19) Phenanthrene-d10	17.128	188	5532	0.40	ng	# 0.01
29) Chrysene-d12	21.324	240	6169	0.40	ng	0.01
35) Perylene-d12	23.599	264	6134	0.40	ng	# 0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.332	112	335	0.12	ng	0.00
5) Phenol-d6	6.911	99	275	0.07	ng	0.02
8) Nitrobenzene-d5	8.870	82	1115	0.33	ng	0.00
11) 2-Methylnaphthalene-d10	12.106	152	1848	0.20	ng	0.00
14) 2,4,6-Tribromophenol	15.868	330	269	0.23	ng	0.00
15) 2-Fluorobiphenyl	12.988	172	2937	0.32	ng	0.00
27) Fluoranthene-d10	19.163	212	6392	0.26	ng	0.00
31) Terphenyl-d14	19.764	244	7426	0.51	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.287	88	41	Below Cal	#	1
18) Fluorene	15.424	166	218	0.02	ng	# 82
20) 4,6-Dinitro-2-methylph...	15.589	198	2	0.15	ng	# 1
25) Phenanthrene	17.165	178	2390	0.16	ng	98
28) Fluoranthene	19.193	202	2338	0.12	ng	97
30) Pyrene	19.555	202	1839	0.11	ng	97
32) Benzo(a)anthracene	21.313	228	900	0.05	ng	# 80
33) Chrysene	21.367	228	825	0.04	ng	# 83
34) Bis(2-ethylhexyl)phtha...	21.250	149	1459	0.29	ng	# 81
37) Benzo(b)fluoranthene	22.921	252	868	0.04	ng	# 25
38) Benzo(k)fluoranthene	22.921	252	868	0.04	ng	# 24
39) Benzo(a)pyrene	23.499	252	512	0.03	ng	# 11

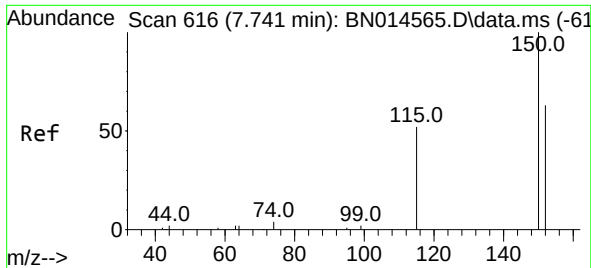
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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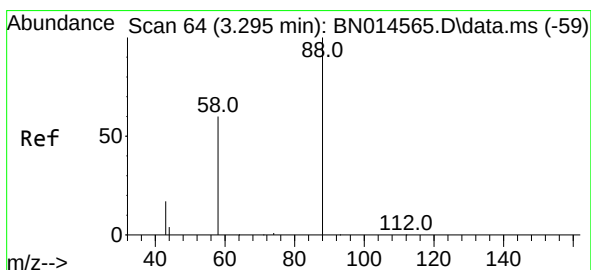
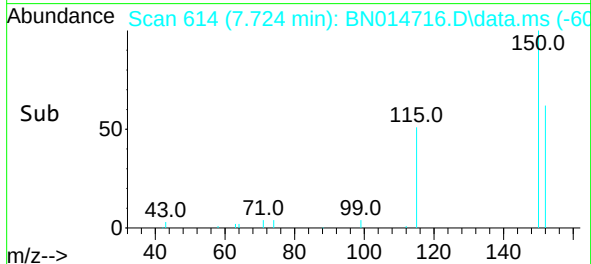
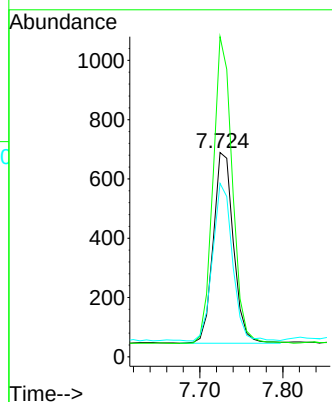
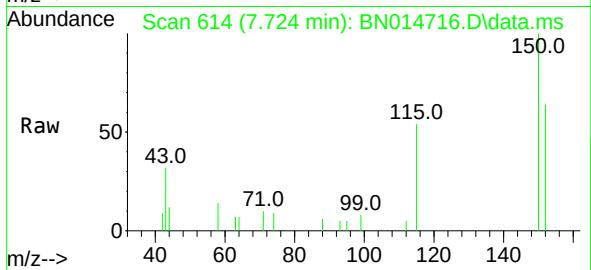




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.40 ng
 RT: 7.724 min Scan# 614
 Delta R.T. -0.001 min
 Lab File: BN014716.D
 Acq: 24 May 2021 15:00

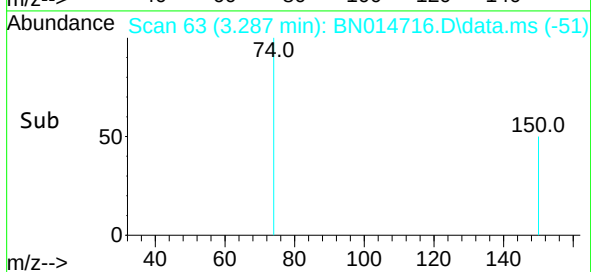
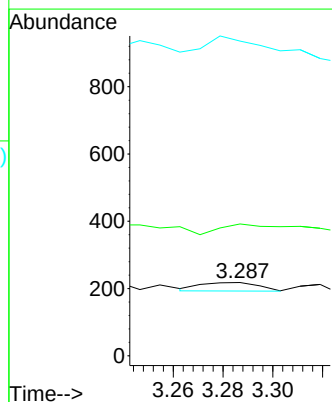
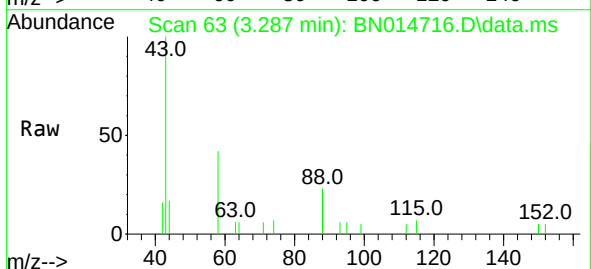
Instrument :
 BNA_N
 ClientSampled :
 TW-SB-2

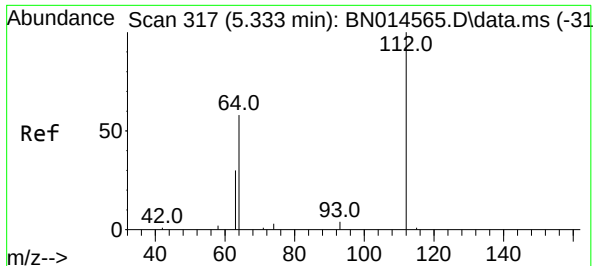
Tgt Ion:152 Resp: 1086
 Ion Ratio Lower Upper
 152 100
 150 156.7 123.8 185.8
 115 84.9 47.0 70.4#



#2
 1,4-Dioxane
 Concen: Below Cal
 RT: 3.287 min Scan# 63
 Delta R.T. -0.000 min
 Lab File: BN014716.D
 Acq: 24 May 2021 15:00

Tgt Ion: 88 Resp: 41
 Ion Ratio Lower Upper
 88 100
 58 385.4 44.4 66.6#
 43 485.4 15.9 23.9#

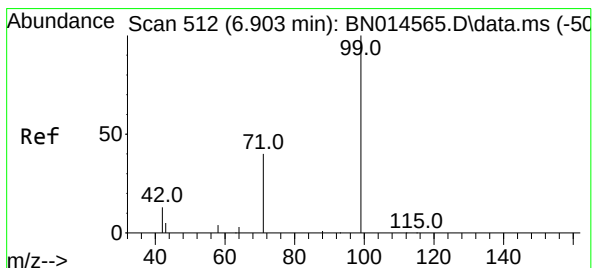
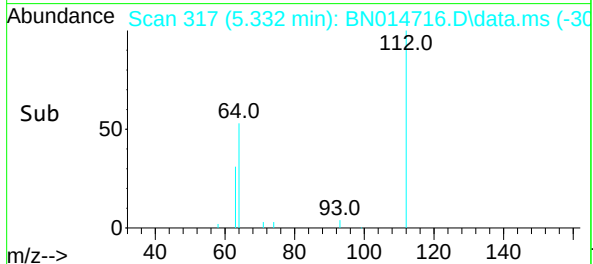
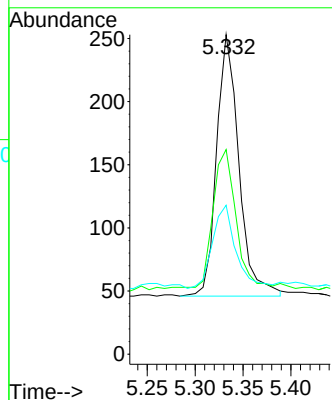
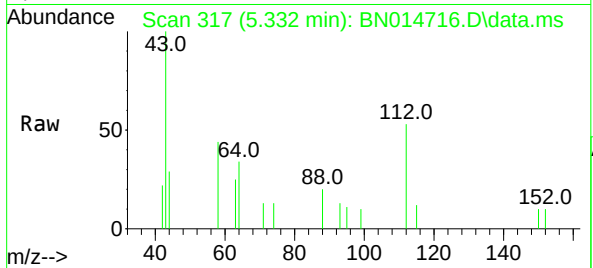




#4
2-Fluorophenol
Concen: 0.12 ng
RT: 5.332 min Scan# 317
Delta R.T. 0.008 min
Lab File: BN014716.D
Acq: 24 May 2021 15:00

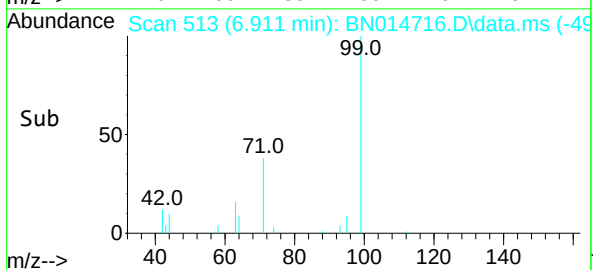
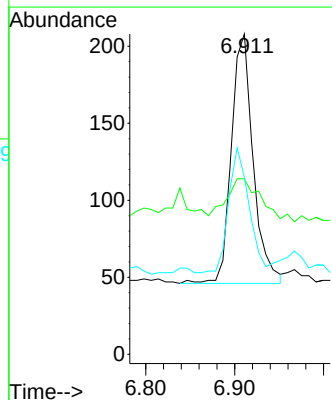
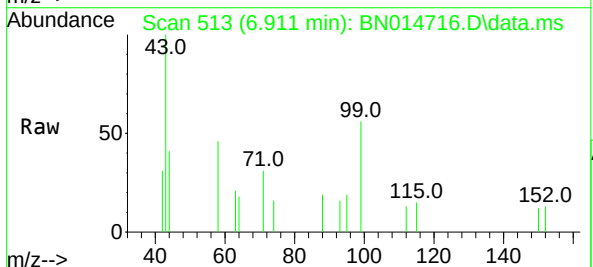
Instrument :
BNA_N
ClientSampleId :
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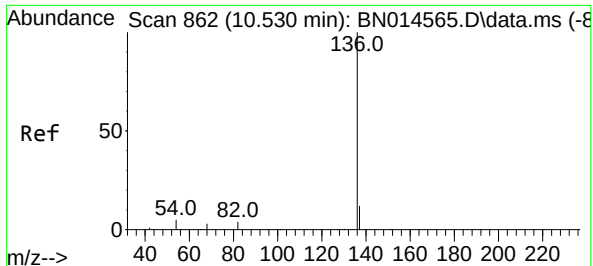
Tgt Ion:	112	Resp:	335
Ion	Ratio	Lower	Upper
112	100		
64	54.9	41.8	62.6
63	33.7	22.0	33.0#



#5
Phenol-d6
Concen: 0.07 ng
RT: 6.911 min Scan# 513
Delta R.T. 0.016 min
Lab File: BN014716.D
Acq: 24 May 2021 15:00

Tgt Ion:	99	Resp:	275
Ion	Ratio	Lower	Upper
99	100		
42	23.6	13.2	19.8#
71	47.6	26.2	39.2#

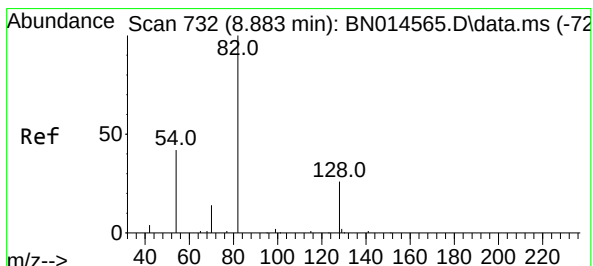
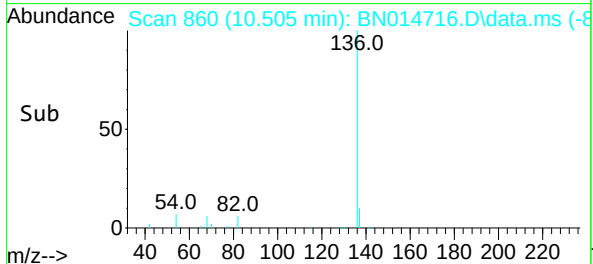
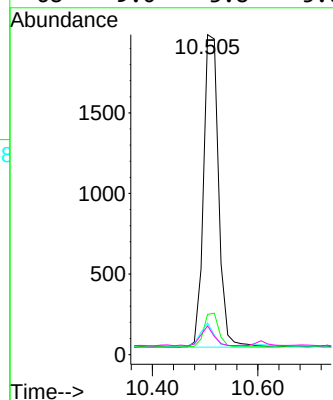
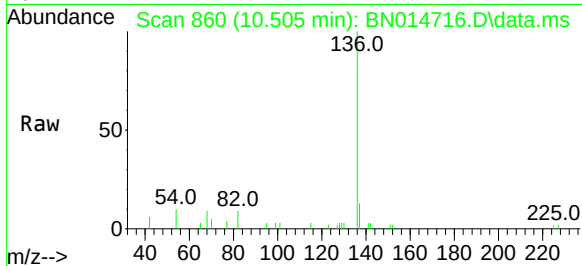




#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.505 min Scan# 860
Delta R.T. -0.000 min
Lab File: BN014716.D
Acq: 24 May 2021 15:00

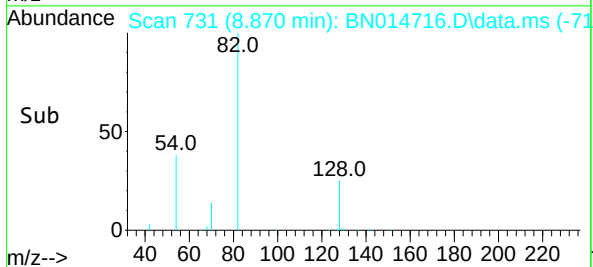
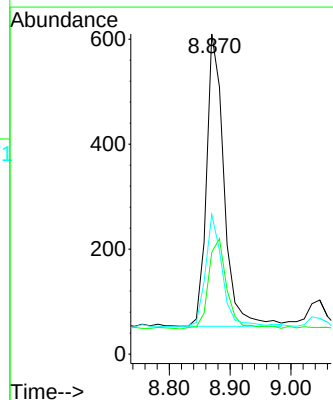
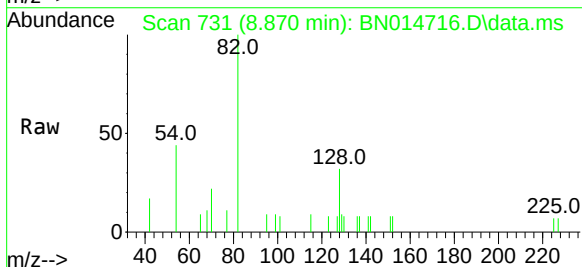
Instrument :
BNA_N
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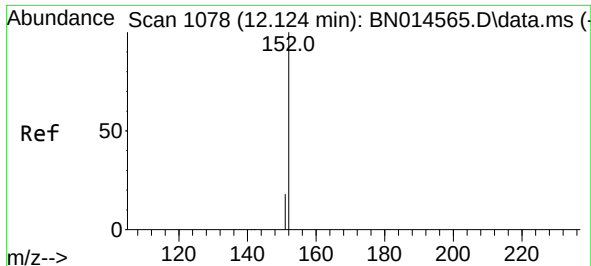
Tgt Ion:	136	Resp:	3856
Ion	Ratio	Lower	Upper
136	100		
137	12.6	8.9	13.3
54	9.9	3.8	5.8#
68	9.0	3.8	5.6#



#8
Nitrobenzene-d5
Concen: 0.33 ng
RT: 8.870 min Scan# 731
Delta R.T. -0.000 min
Lab File: BN014716.D
Acq: 24 May 2021 15:00

Tgt Ion:	82	Resp:	1115
Ion	Ratio	Lower	Upper
82	100		
128	31.8	29.5	44.3
54	43.6	36.9	55.3

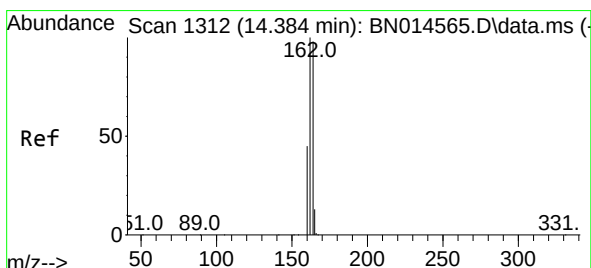
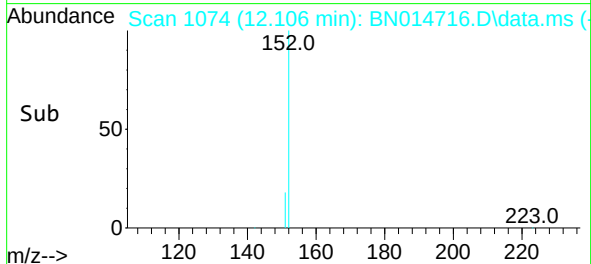
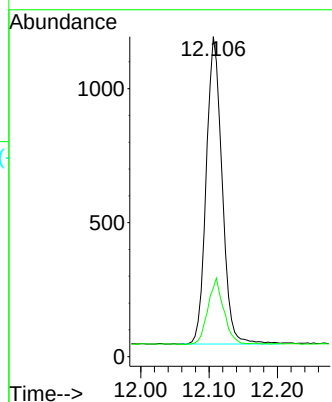
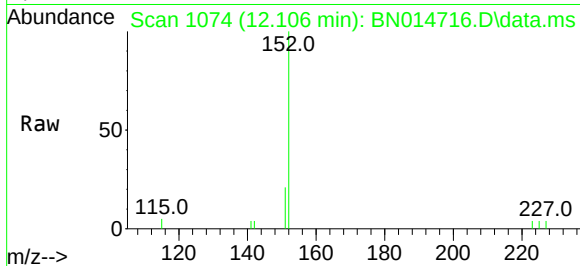




#11
2-Methylnaphthalene-d10
Concen: 0.20 ng
RT: 12.106 min Scan# 1074
Delta R.T. 0.004 min
Lab File: BN014716.D
Acq: 24 May 2021 15:00

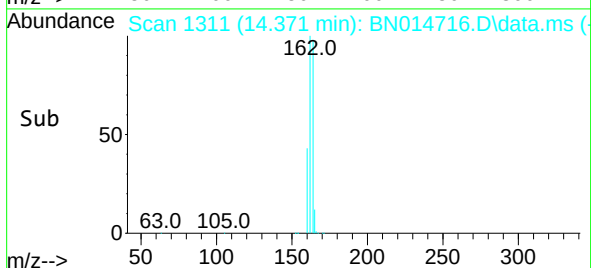
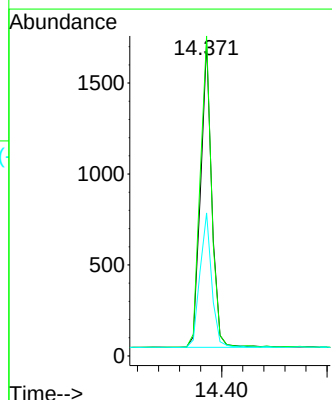
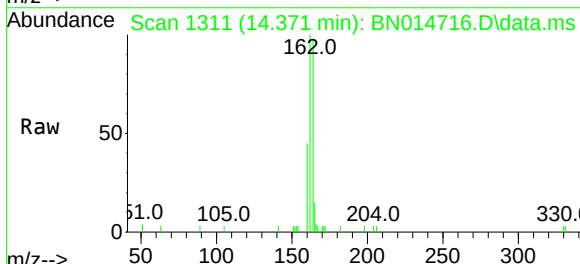
Instrument :
BNA_N
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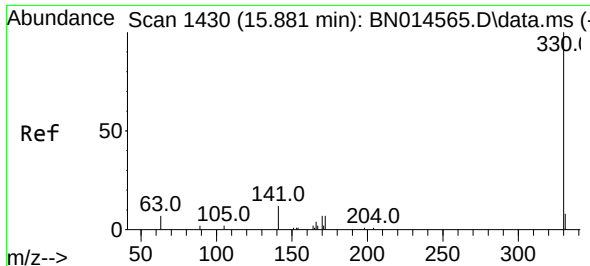
Tgt Ion:152 Resp: 1848
Ion Ratio Lower Upper
152 100
151 21.4 16.2 24.2



#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.371 min Scan# 1311
Delta R.T. -0.000 min
Lab File: BN014716.D
Acq: 24 May 2021 15:00

Tgt Ion:164 Resp: 2480
Ion Ratio Lower Upper
164 100
162 102.1 78.6 118.0
160 45.6 35.8 53.8

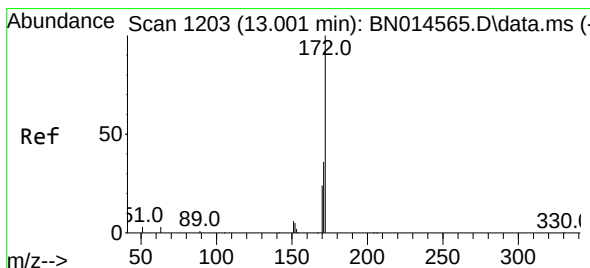
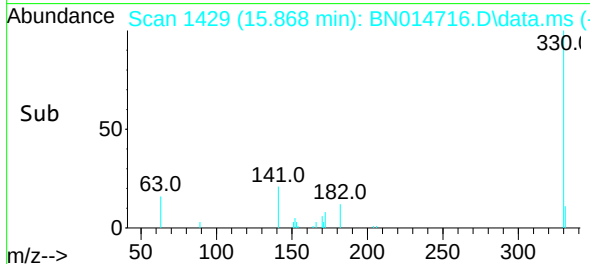
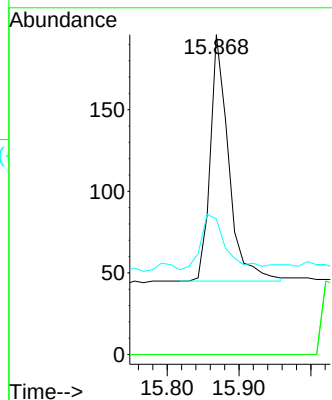
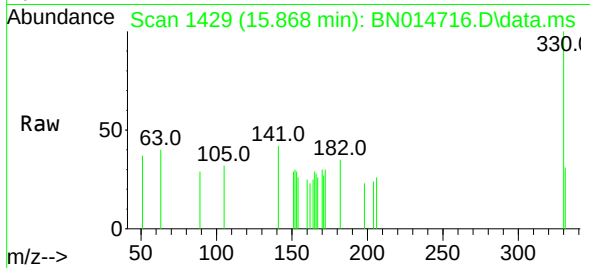




#14
2,4,6-Tribromophenol
Concen: 0.23 ng
RT: 15.868 min Scan# 1429
Delta R.T. -0.000 min
Lab File: BN014716.D
Acq: 24 May 2021 15:00

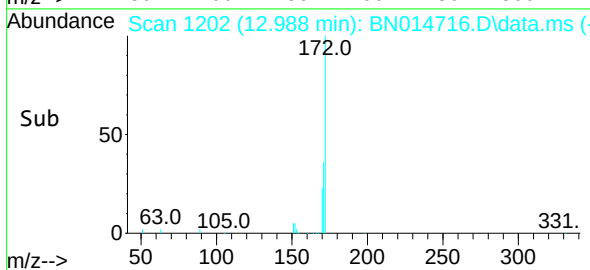
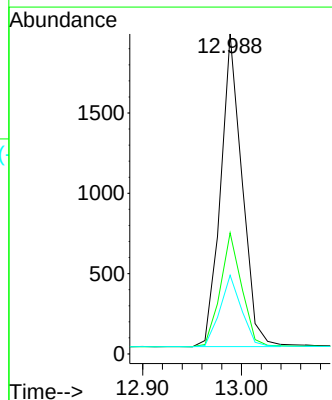
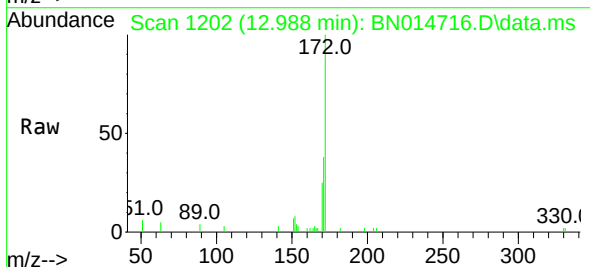
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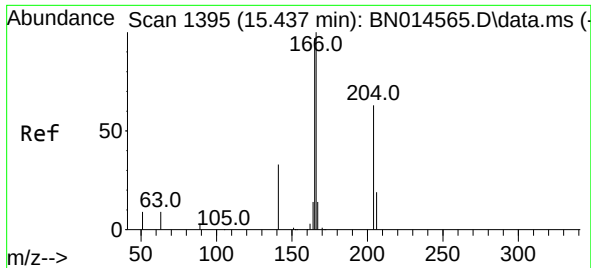
Tgt Ion:330 Resp: 269
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 30.1 27.0 40.4



#15
2-Fluorobiphenyl
Concen: 0.32 ng
RT: 12.988 min Scan# 1202
Delta R.T. -0.000 min
Lab File: BN014716.D
Acq: 24 May 2021 15:00

Tgt Ion:172 Resp: 2937
Ion Ratio Lower Upper
172 100
171 37.9 27.1 40.7
170 24.6 18.3 27.5

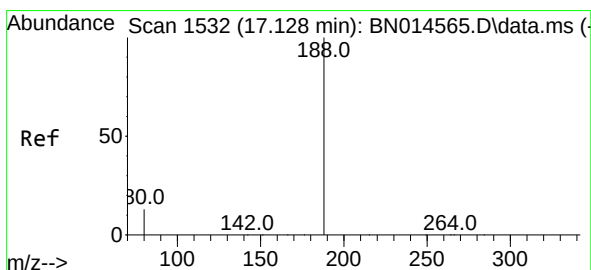
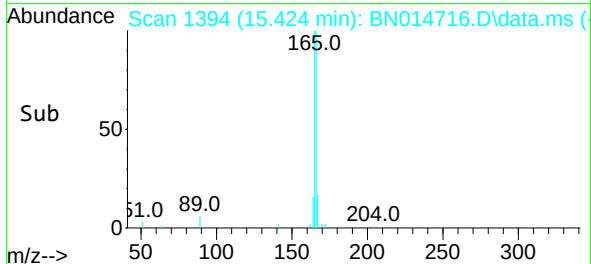
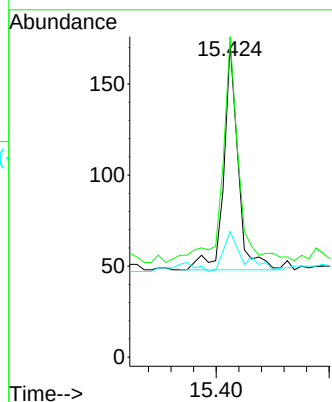
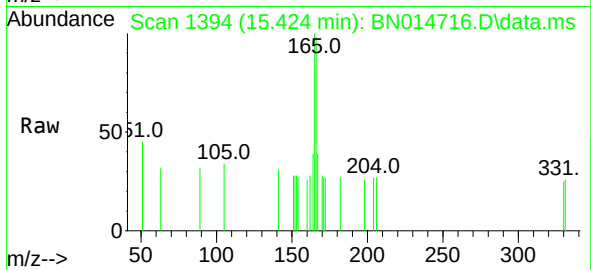




#18
Fluorene
Concen: 0.02 ng
RT: 15.424 min Scan# 1394
Delta R.T. -0.000 min
Lab File: BN014716.D
Acq: 24 May 2021 15:00

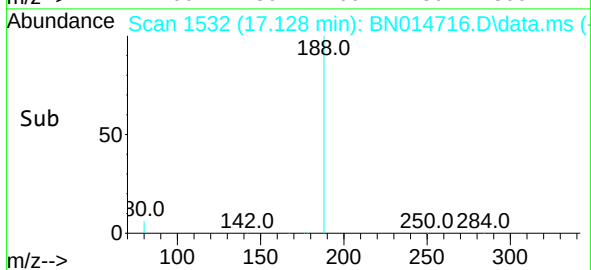
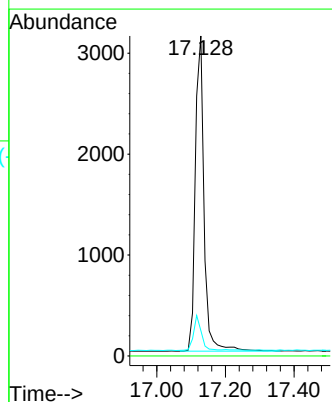
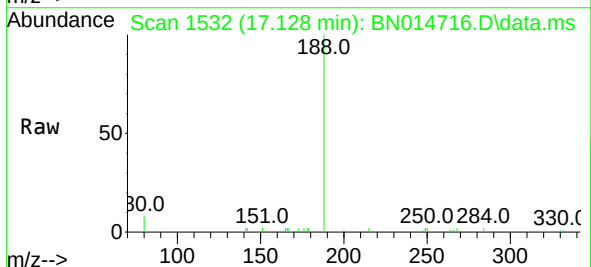
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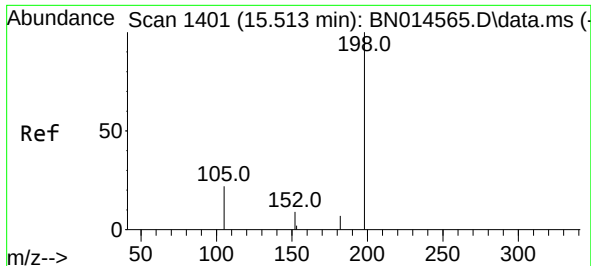
Tgt Ion:166 Resp: 218
Ion Ratio Lower Upper
166 100
165 114.7 78.4 117.6
167 24.8 10.7 16.1#



#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.128 min Scan# 1532
Delta R.T. 0.012 min
Lab File: BN014716.D
Acq: 24 May 2021 15:00

Tgt Ion:188 Resp: 5532
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 7.9 5.2 7.8#

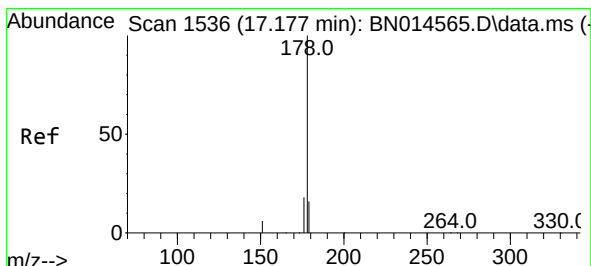
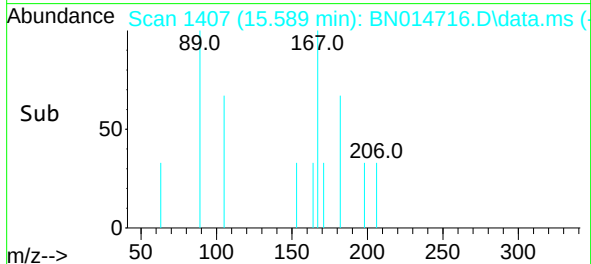
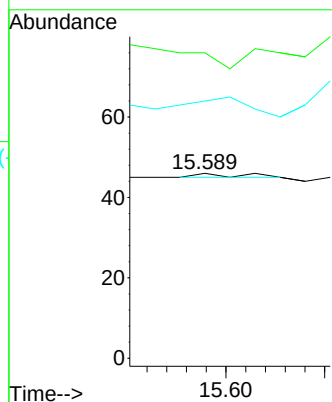
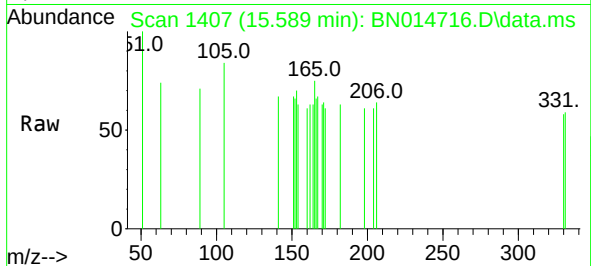




#20
4,6-Dinitro-2-methylphenol
Concen: 0.15 ng
RT: 15.589 min Scan# 1407
Delta R.T. 0.089 min
Lab File: BN014716.D
Acq: 24 May 2021 15:00

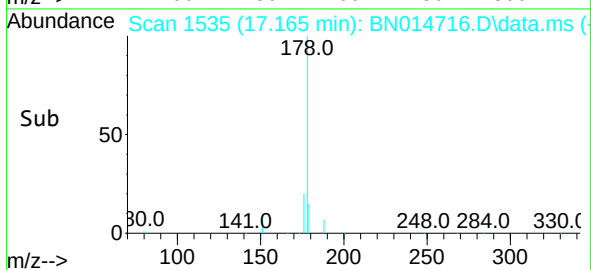
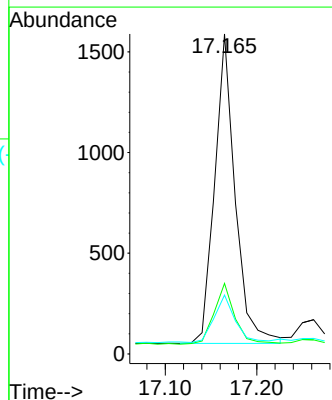
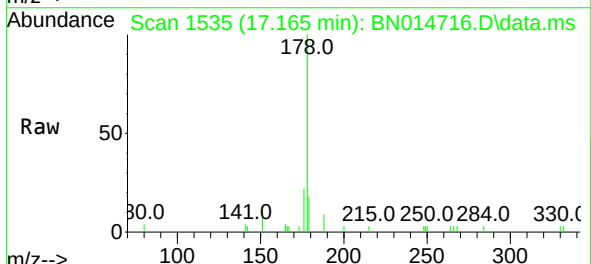
Instrument :
BNA_N
ClientSampled :
TW-SB-2

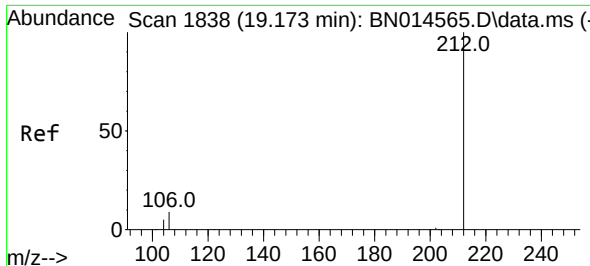
Tgt Ion:198 Resp: 2
Ion Ratio Lower Upper
198 100
51 165.2 865.3 1297.9#
105 139.1 93.6 140.4



#25
Phenanthrene
Concen: 0.16 ng
RT: 17.165 min Scan# 1535
Delta R.T. -0.000 min
Lab File: BN014716.D
Acq: 24 May 2021 15:00

Tgt Ion:178 Resp: 2390
Ion Ratio Lower Upper
178 100
176 19.8 15.2 22.8
179 16.5 12.4 18.6

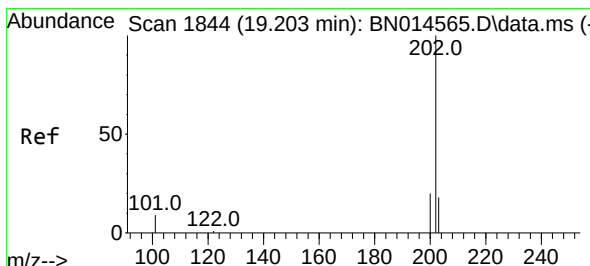
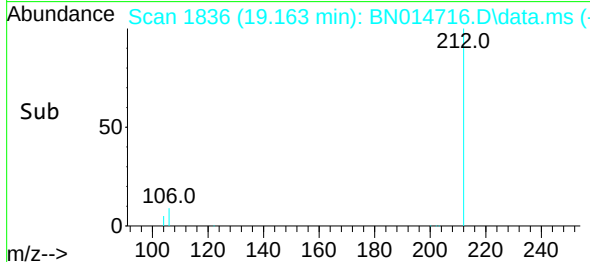
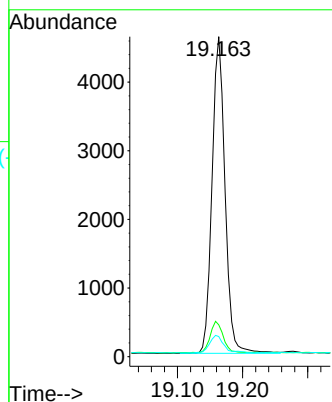
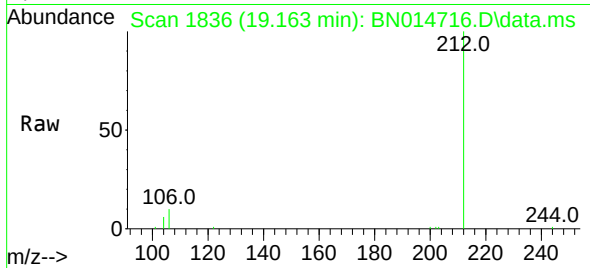




#27
Fluoranthene-d10
Concen: 0.26 ng
RT: 19.163 min Scan# 1836
Delta R.T. 0.005 min
Lab File: BN014716.D
Acq: 24 May 2021 15:00

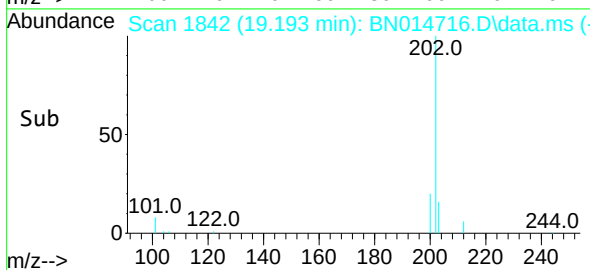
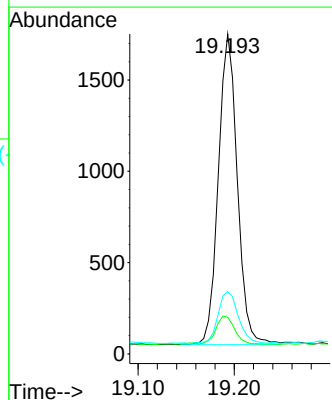
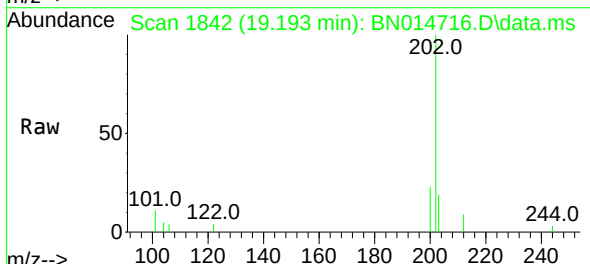
Instrument :
BNA_N
ClientSampleId :
TW-SB-2

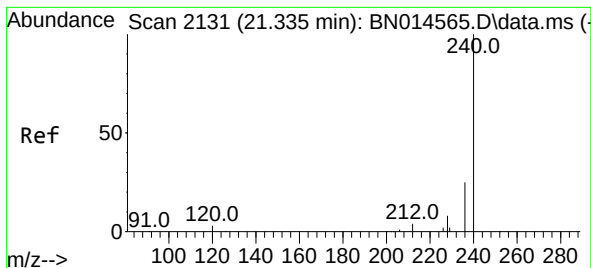
Tgt Ion:212 Resp: 6392
Ion Ratio Lower Upper
212 100
106 9.7 10.1 15.1#
104 6.1 5.4 8.2



#28
Fluoranthene
Concen: 0.12 ng
RT: 19.193 min Scan# 1842
Delta R.T. 0.005 min
Lab File: BN014716.D
Acq: 24 May 2021 15:00

Tgt Ion:202 Resp: 2338
Ion Ratio Lower Upper
202 100
101 9.0 8.4 12.6
203 18.2 13.5 20.3





#29

Chrysene-d12

Concen: 0.40 ng

RT: 21.324 min Scan# 2130

Delta R.T. 0.010 min

Lab File: BN014716.D

Acq: 24 May 2021 15:00

Tgt Ion:240 Resp: 6169

Ion Ratio Lower Upper

240 100

120 8.2 5.8 8.8

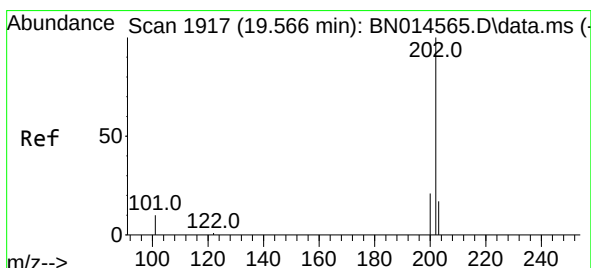
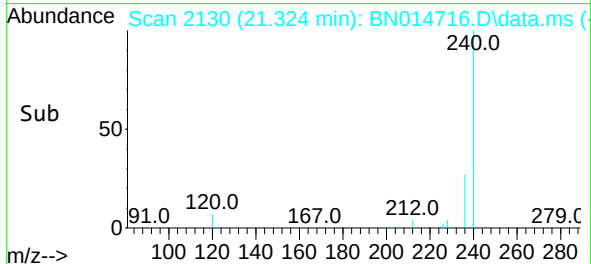
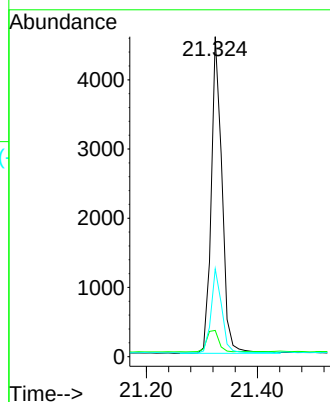
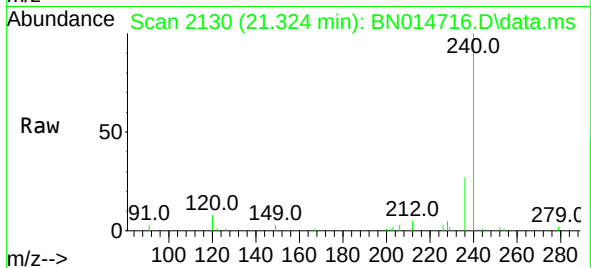
236 27.5 20.6 30.8

Instrument :

BNA_N

ClientSampleId :

TW-SB-2



#30

Pyrene

Concen: 0.11 ng

RT: 19.555 min Scan# 1915

Delta R.T. 0.005 min

Lab File: BN014716.D

Acq: 24 May 2021 15:00

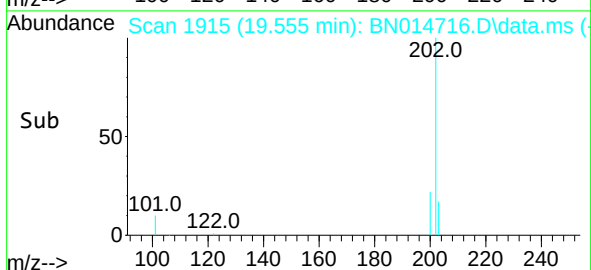
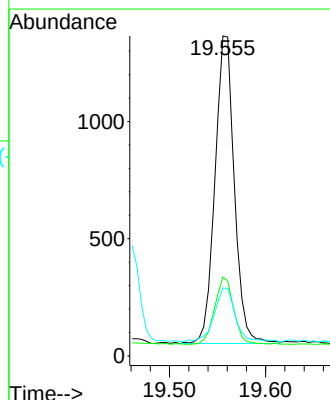
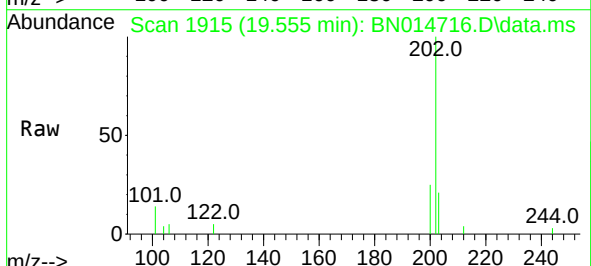
Tgt Ion:202 Resp: 1839

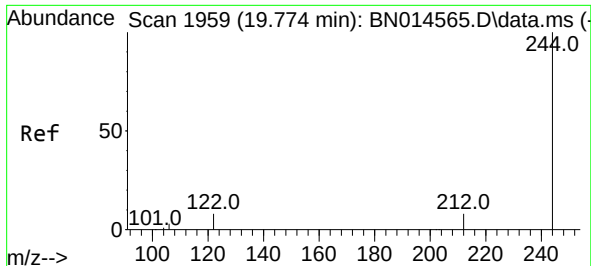
Ion Ratio Lower Upper

202 100

200 21.3 16.3 24.5

203 19.1 14.0 21.0

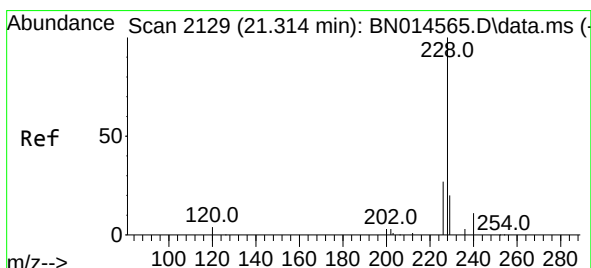
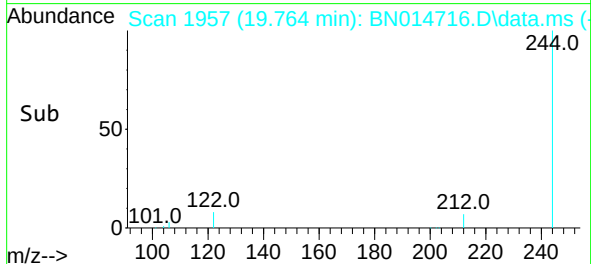
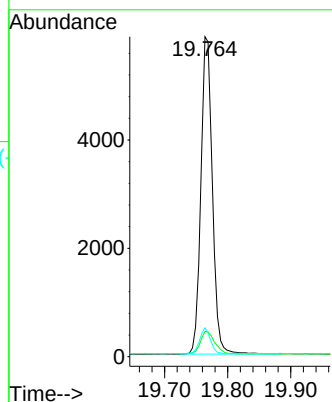
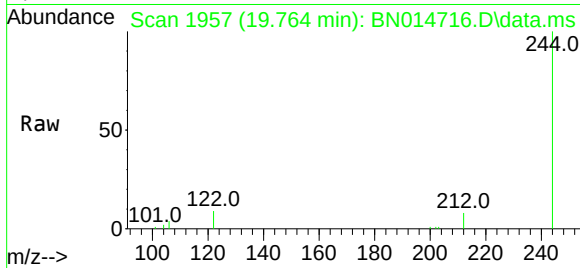




#31
 Terphenyl-d14
 Concen: 0.51 ng
 RT: 19.764 min Scan# 1957
 Delta R.T. 0.005 min
 Lab File: BN014716.D
 Acq: 24 May 2021 15:00

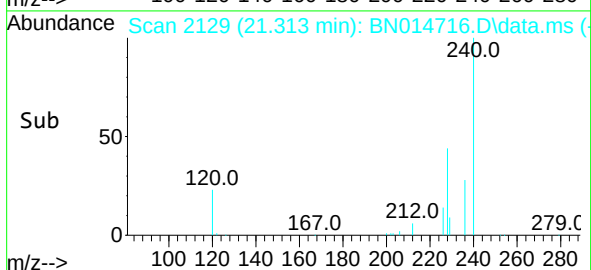
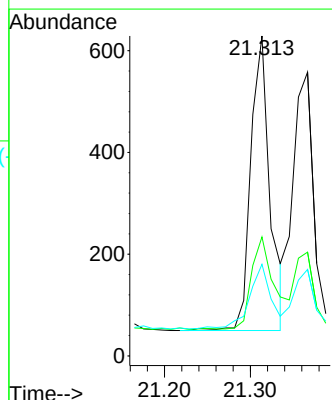
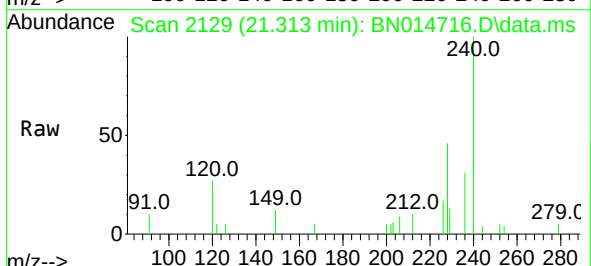
Instrument :
 BNA_N
 ClientSampleId :
 TW-SB-2

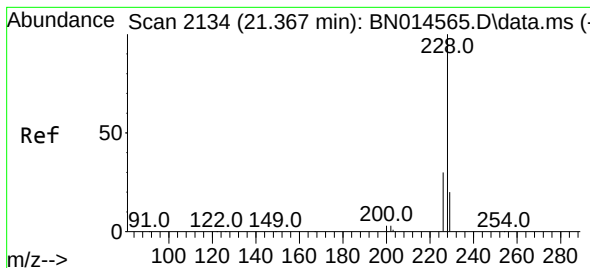
Tgt Ion:244 Resp: 7426
 Ion Ratio Lower Upper
 244 100
 212 7.9 6.0 9.0
 122 9.1 9.3 13.9#



#32
 Benzo(a)anthracene
 Concen: 0.05 ng
 RT: 21.313 min Scan# 2129
 Delta R.T. 0.010 min
 Lab File: BN014716.D
 Acq: 24 May 2021 15:00

Tgt Ion:228 Resp: 900
 Ion Ratio Lower Upper
 228 100
 226 37.2 21.7 32.5#
 229 28.6 15.7 23.5#





#33

Chrysene

Concen: 0.04 ng

RT: 21.367 min Scan# 2134

Delta R.T. 0.010 min

Lab File: BN014716.D

Acq: 24 May 2021 15:00

Tgt Ion:228 Resp: 825

Ion Ratio Lower Upper

228 100

226 36.6 23.8 35.6#

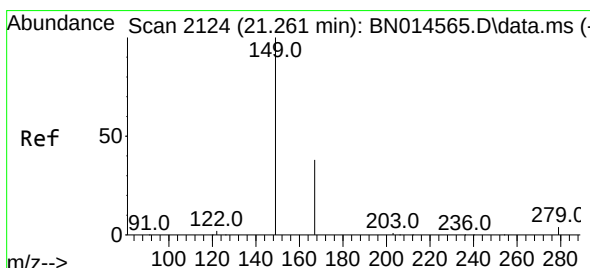
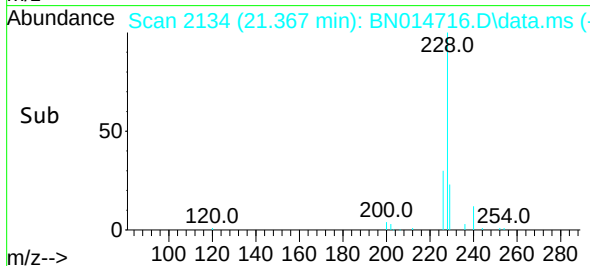
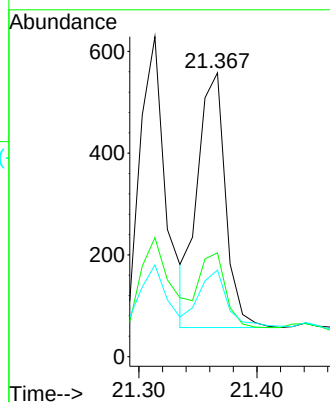
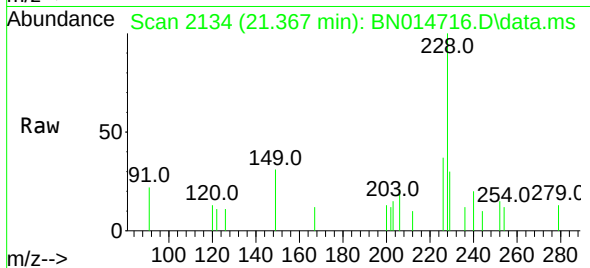
229 30.5 15.6 23.4#

Instrument :

BNA_N

ClientSampleId :

TW-SB-2



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.29 ng

RT: 21.250 min Scan# 2123

Delta R.T. 0.010 min

Lab File: BN014716.D

Acq: 24 May 2021 15:00

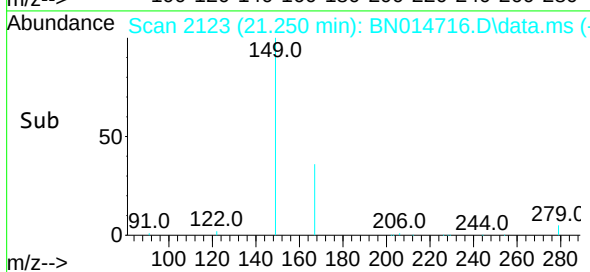
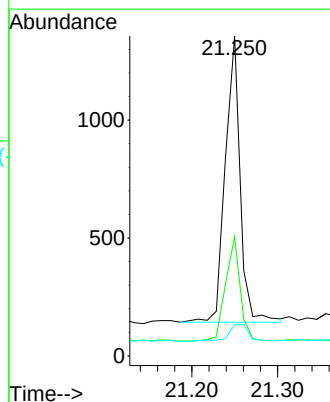
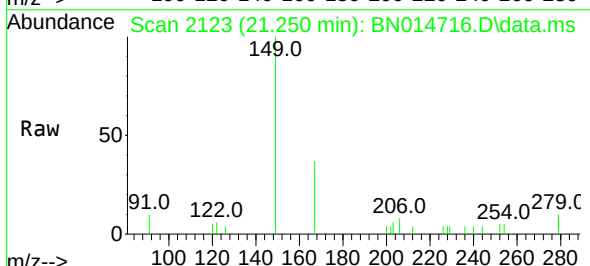
Tgt Ion:149 Resp: 1459

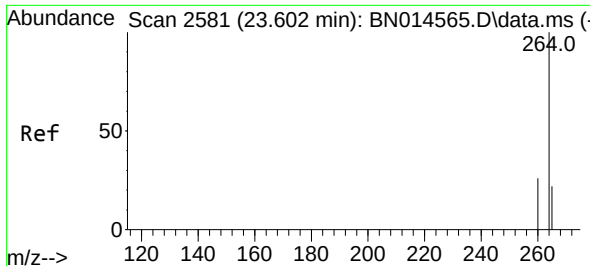
Ion Ratio Lower Upper

149 100

167 35.7 20.5 30.7#

279 8.4 2.9 4.3#

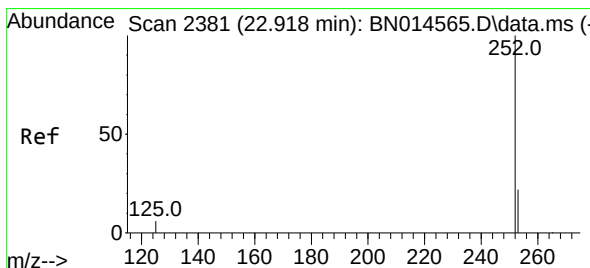
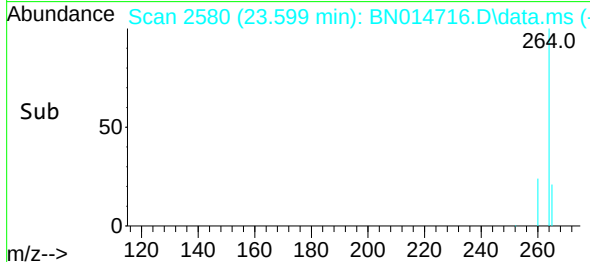
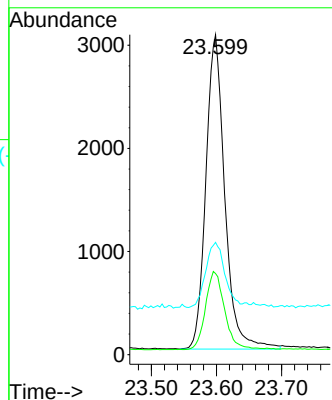
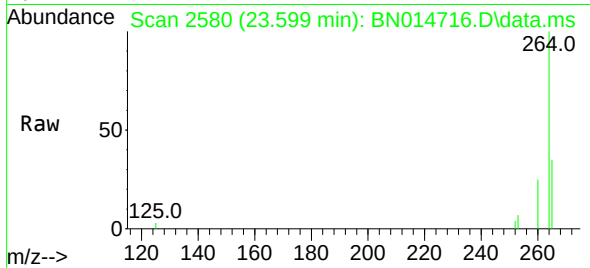




#35
 Perylene-d12
 Concen: 0.40 ng
 RT: 23.599 min Scan# 2580
 Delta R.T. 0.013 min
 Lab File: BN014716.D
 Acq: 24 May 2021 15:00

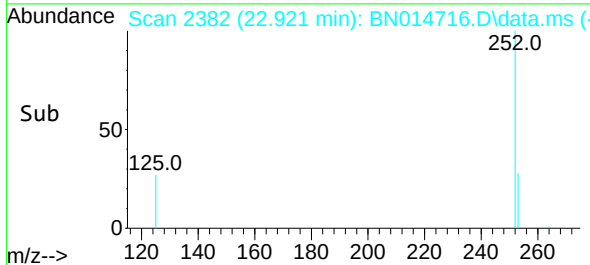
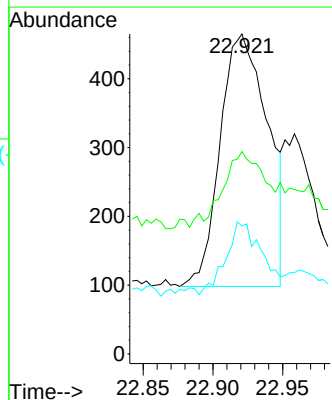
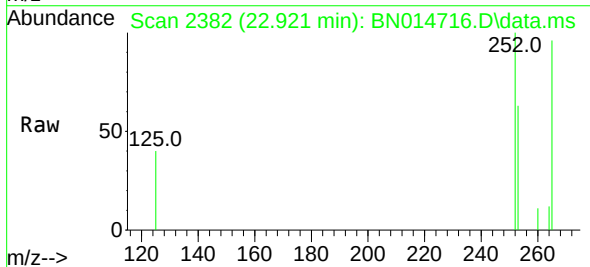
Instrument :
 BNA_N
 ClientSampled :
 TW-SB-2

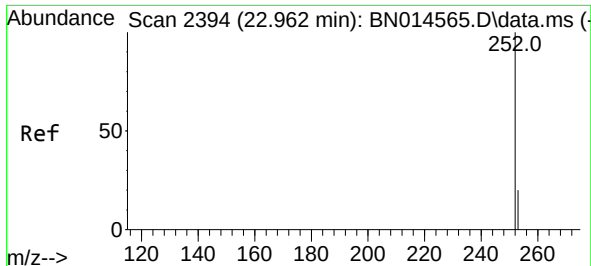
Tgt Ion:264	Resp:	6134
Ion Ratio	Lower	Upper
264	100	
260	25.3	19.5 29.3
265	35.1	35.4 53.0#



#37
 Benzo(b)fluoranthene
 Concen: 0.04 ng
 RT: 22.921 min Scan# 2382
 Delta R.T. 0.020 min
 Lab File: BN014716.D
 Acq: 24 May 2021 15:00

Tgt Ion:252	Resp:	868
Ion Ratio	Lower	Upper
252	100	
253	63.2	19.6 29.4#
125	40.0	10.3 15.5#





#38

Benzo(k)fluoranthene

Concen: 0.04 ng

RT: 22.921 min Scan# 2382

Delta R.T. -0.024 min

Lab File: BN014716.D

Acq: 24 May 2021 15:00

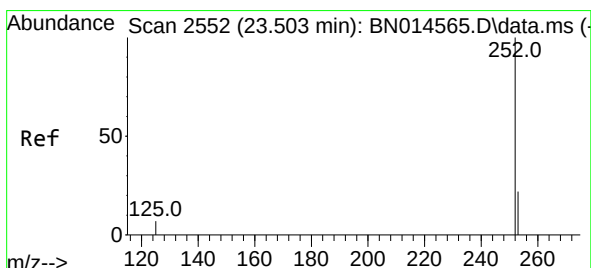
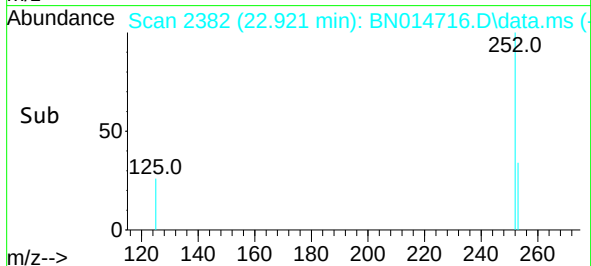
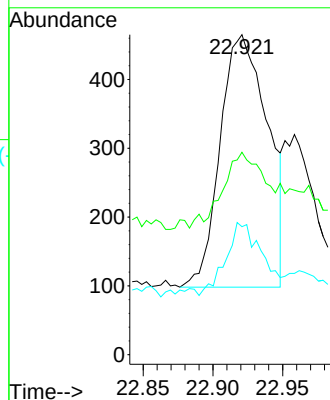
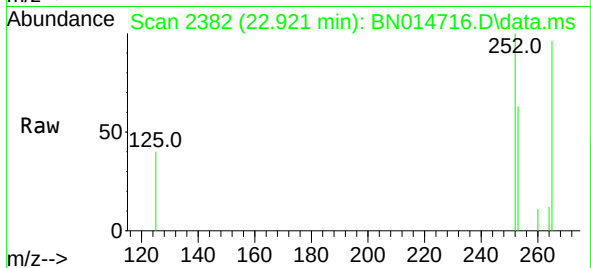
Tgt Ion:252 Resp: 868

Ion Ratio Lower Upper

252 100

253 63.2 19.7 29.5#

125 40.0 9.7 14.5#



#39

Benzo(a)pyrene

Concen: 0.03 ng

RT: 23.499 min Scan# 2551

Delta R.T. 0.017 min

Lab File: BN014716.D

Acq: 24 May 2021 15:00

Tgt Ion:252 Resp: 512

Ion Ratio Lower Upper

252 100

253 79.6 21.8 32.6#

125 50.6 14.9 22.3#

