

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN122921\
 Data File : BN018288.D
 Acq On : 30 Dec 2021 08:38
 Operator : CG/JU
 Sample : M5212-05
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 30 16:05:06 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN122921.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 29 16:08:47 2021
 Response via : Initial Calibration

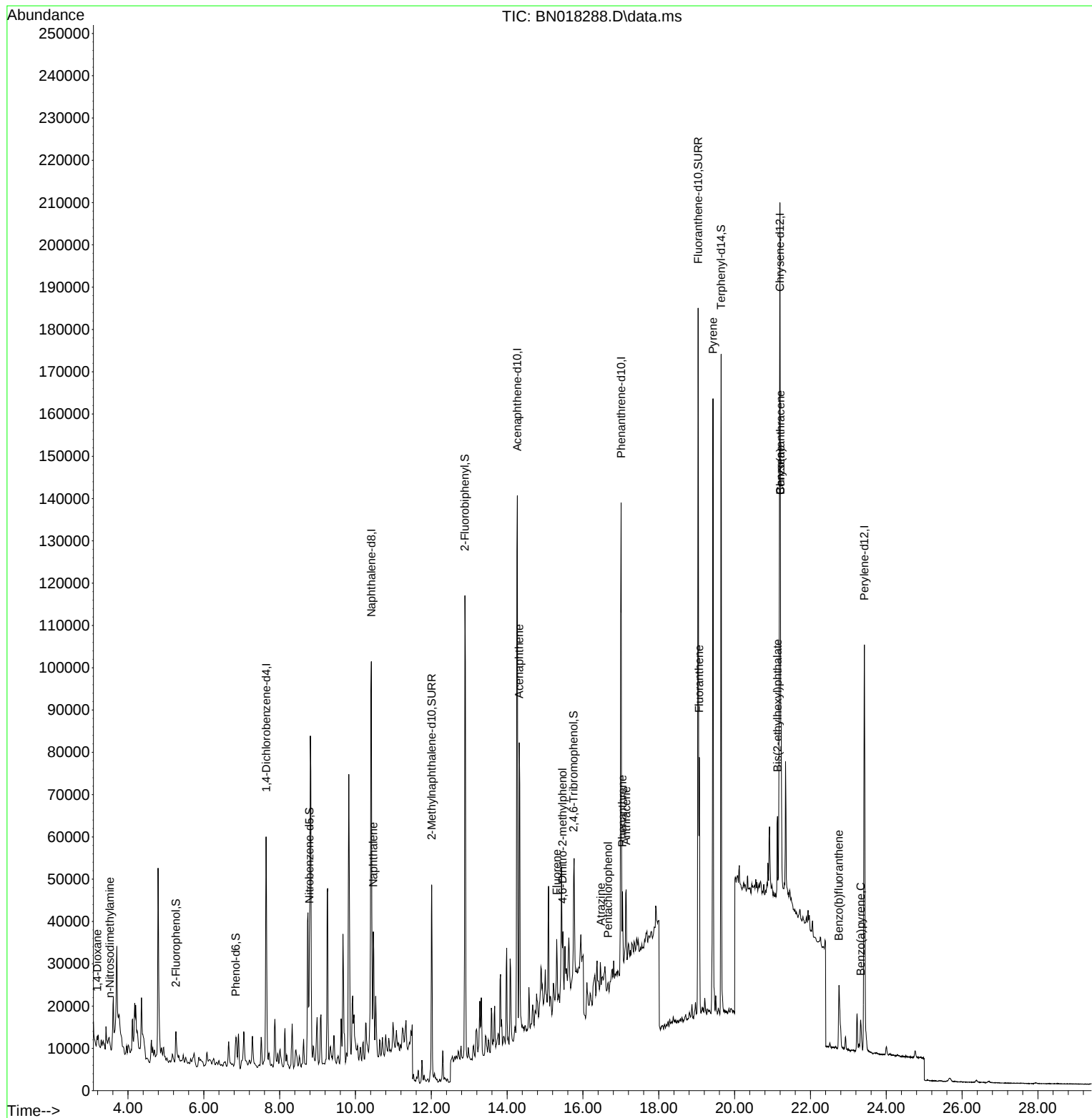
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.642	152	32435	0.400	ng	0.00
7) Naphthalene-d8	10.419	136	132516	0.400	ng	0.00
13) Acenaphthene-d10	14.269	164	82455	0.400	ng	0.00
19) Phenanthrene-d10	17.005	188	160646	0.400	ng	0.00
29) Chrysene-d12	21.196	240	143223	0.400	ng	0.00
35) Perylene-d12	23.423	264	130740	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.263	112	9807	0.151	ng	0.02
5) Phenol-d6	6.840	99	5110	0.081	ng	0.00
8) Nitrobenzene-d5	8.784	82	28314	0.425	ng	0.00
11) 2-Methylnaphthalene-d10	12.007	152	66535	0.298	ng	0.00
14) 2,4,6-Tribromophenol	15.753	330	17458	0.701	ng	-0.01
15) 2-Fluorobiphenyl	12.886	172	107056	0.343	ng	-0.01
27) Fluoranthene-d10	19.038	212	194243	0.380	ng	0.00
31) Terphenyl-d14	19.644	244	158917	0.437	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.189	88	988	0.053	ng	# 63
3) n-Nitrosodimethylamine	3.521	42	1061	0.040	ng	# 1
9) Naphthalene	10.470	128	6940	0.021	ng	# 1
17) Acenaphthene	14.320	154	37229	0.175	ng	# 99
18) Fluorene	15.309	166	11055	0.044	ng	# 86
20) 4,6-Dinitro-2-methylph...	15.461	198	1092	0.517	ng	# 1
23) Atrazine	16.470	200	1361	0.152	ng	# 1
24) Pentachlorophenol	16.665	266	324	0.199	ng	# 81
25) Phenanthrene	17.042	178	18125	0.043	ng	# 85
26) Anthracene	17.139	178	21761	0.099	ng	# 87
28) Fluoranthene	19.068	202	52977	0.107	ng	# 99
30) Pyrene	19.430	202	135254	0.241	ng	# 95
32) Benzo(a)anthracene	21.206	228	88427	0.247	ng	# 81
33) Chrysene	21.206	228	85873	0.186	ng	# 85
34) Bis(2-ethylhexyl)phtha...	21.132	149	21103	0.118	ng	# 97
37) Benzo(b)fluoranthene	22.752	252	30392	0.073	ng	# 67
39) Benzo(a)pyrene	23.324	252	11363	0.031	ng	# 45

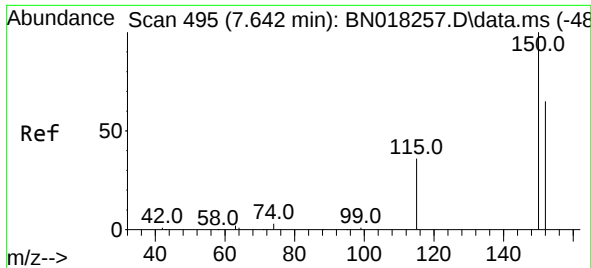
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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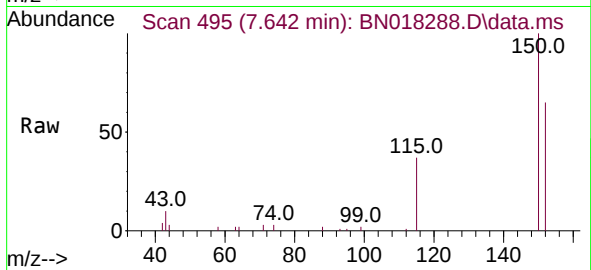
Quant Time: Dec 30 16:05:06 2021
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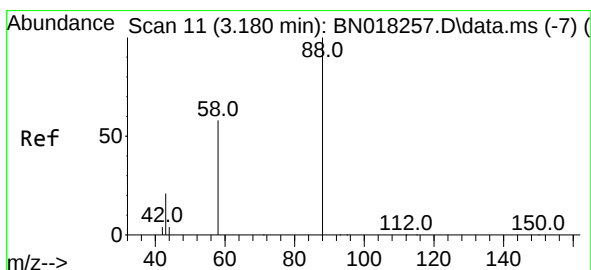
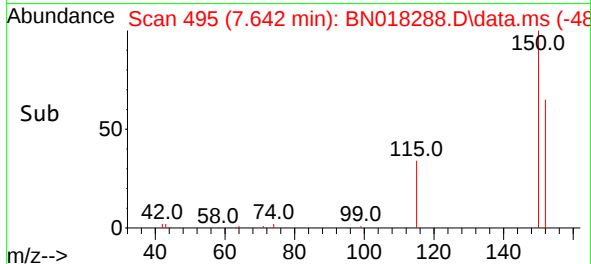
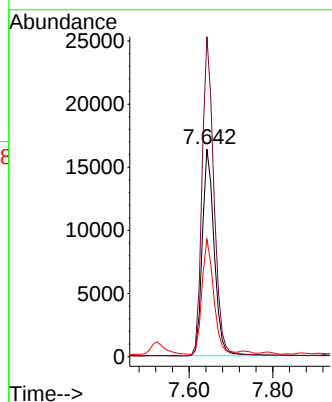


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.642 min Scan# 495
 Delta R.T. 0.000 min
 Lab File: BN018288.D
 Acq: 30 Dec 2021 08:38

Instrument :
 BNA_F
 ClientSampleId :

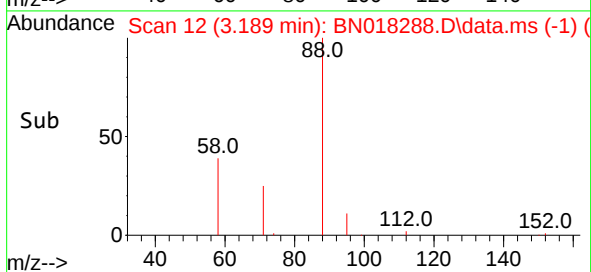
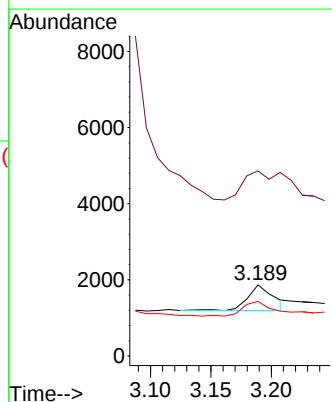
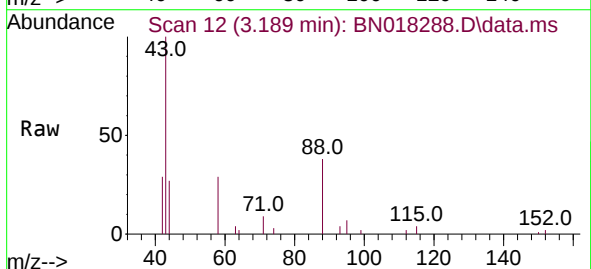


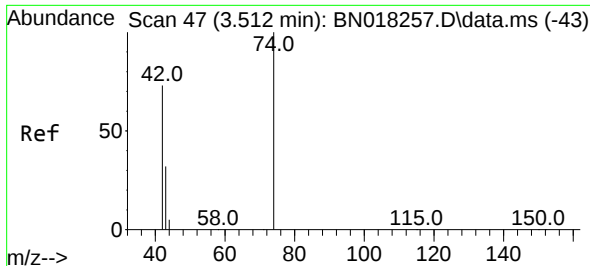
Tgt Ion:152 Resp: 32435
 Ion Ratio Lower Upper
 152 100
 150 154.2 121.7 182.5
 115 56.6 43.8 65.8



#2
 1,4-Dioxane
 Concen: 0.053 ng
 RT: 3.189 min Scan# 12
 Delta R.T. 0.009 min
 Lab File: BN018288.D
 Acq: 30 Dec 2021 08:38

Tgt Ion: 88 Resp: 988
 Ion Ratio Lower Upper
 88 100
 43 116.5 69.7 104.5#
 58 62.2 83.8 125.8#

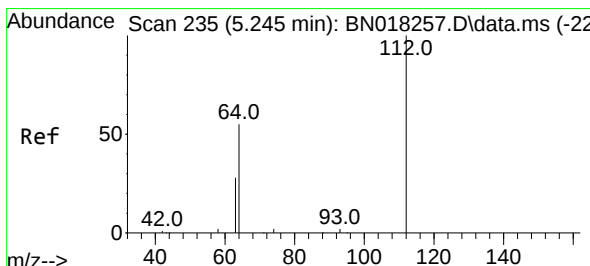
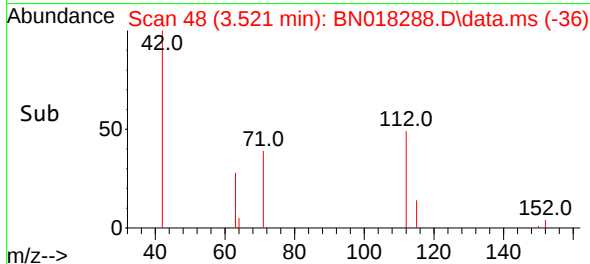
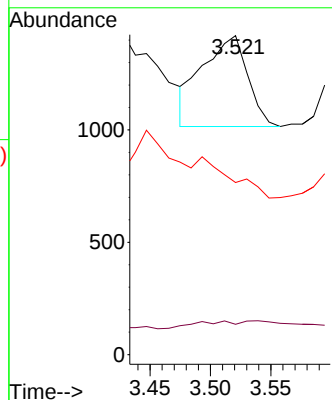
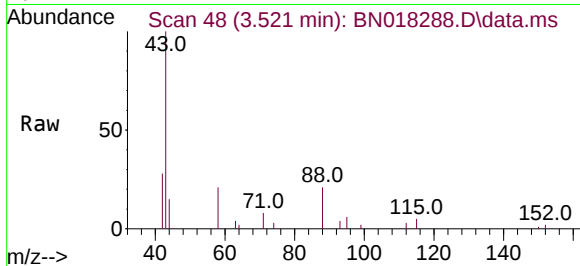




#3
n-Nitrosodimethylamine
Concen: 0.040 ng
RT: 3.521 min Scan# 41
Delta R.T. 0.009 min
Lab File: BN018288.D
Acq: 30 Dec 2021 08:38

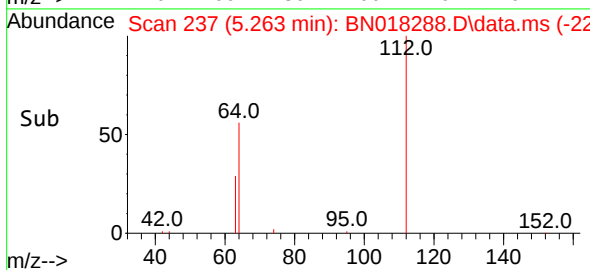
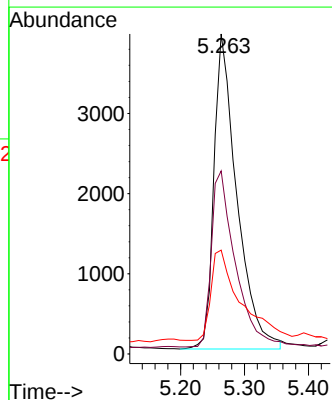
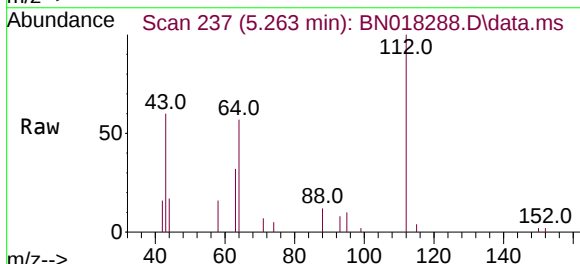
Instrument :
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ClientSampleId :

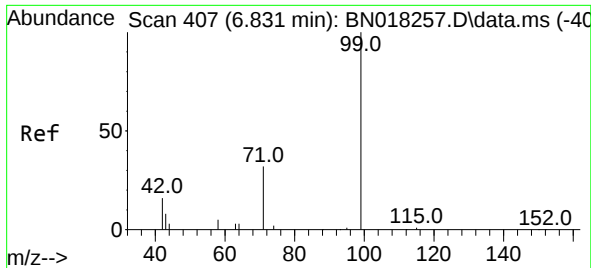
Tgt Ion: 42 Resp: 1061
Ion Ratio Lower Upper
42 100
74 7.4 108.6 163.0#
44 0.0 5.8 8.8#



#4
2-Fluorophenol
Concen: 0.151 ng
RT: 5.263 min Scan# 237
Delta R.T. 0.018 min
Lab File: BN018288.D
Acq: 30 Dec 2021 08:38

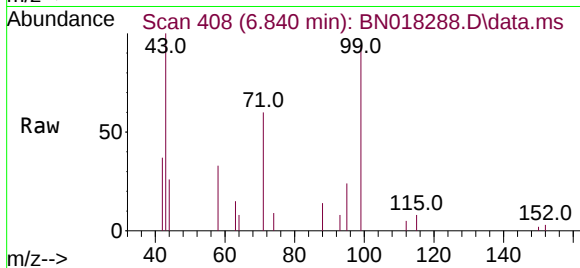
Tgt Ion: 112 Resp: 9807
Ion Ratio Lower Upper
112 100
64 58.1 48.0 72.0
63 36.6 25.3 37.9



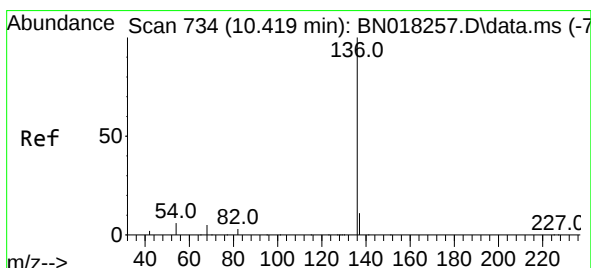
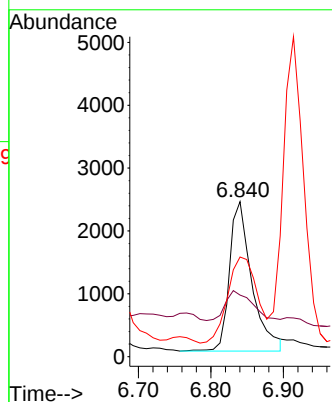
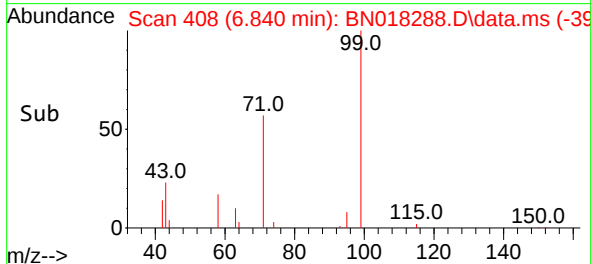


#5
Phenol-d6
Concen: 0.081 ng
RT: 6.840 min Scan# 407
Delta R.T. 0.009 min
Lab File: BN018288.D
Acq: 30 Dec 2021 08:38

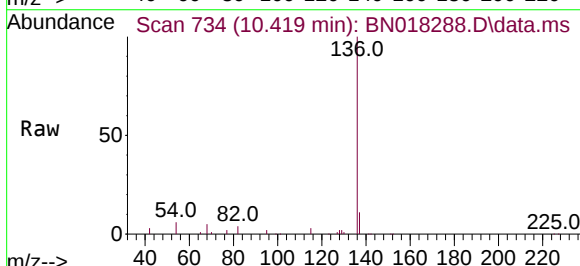
Instrument :
BNA_F
ClientSampleId :



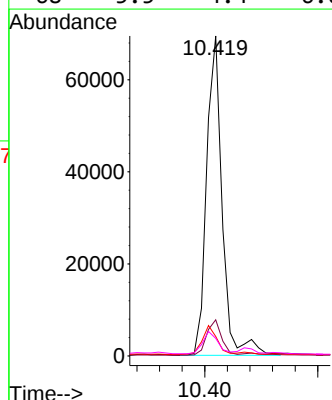
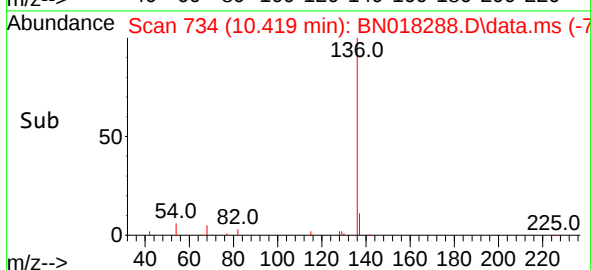
Tgt Ion: 99 Resp: 5110
Ion Ratio Lower Upper
99 100
42 23.3 16.3 24.5
71 75.8 26.8 40.2#

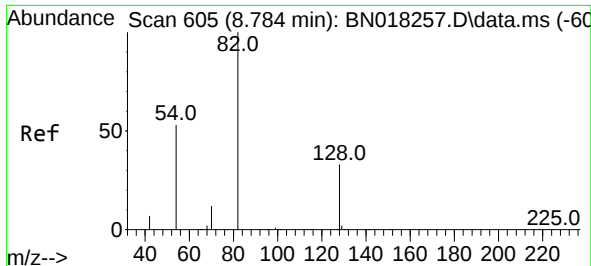


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.419 min Scan# 734
Delta R.T. 0.000 min
Lab File: BN018288.D
Acq: 30 Dec 2021 08:38



Tgt Ion: 136 Resp: 132516
Ion Ratio Lower Upper
136 100
137 11.3 8.8 13.2
54 6.1 5.0 7.6
68 5.5 4.4 6.6

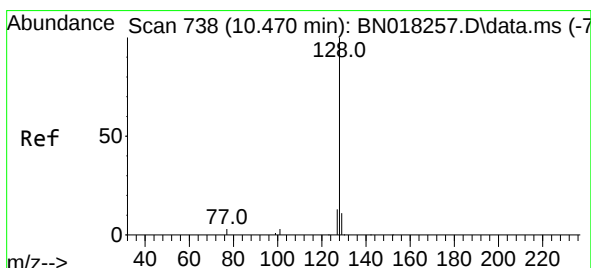
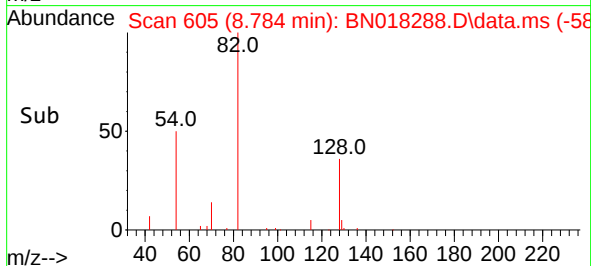
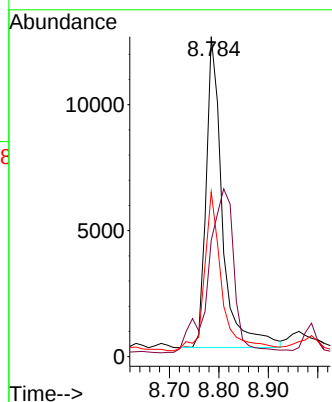
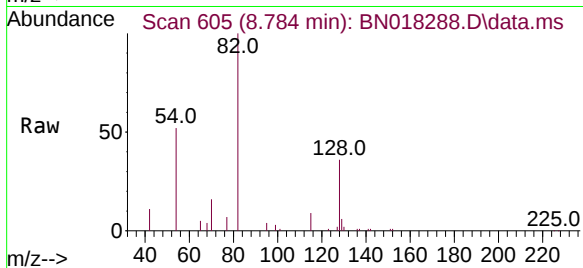




#8
Nitrobenzene-d5
Concen: 0.425 ng
RT: 8.784 min Scan# 605
Delta R.T. 0.000 min
Lab File: BN018288.D
Acq: 30 Dec 2021 08:38

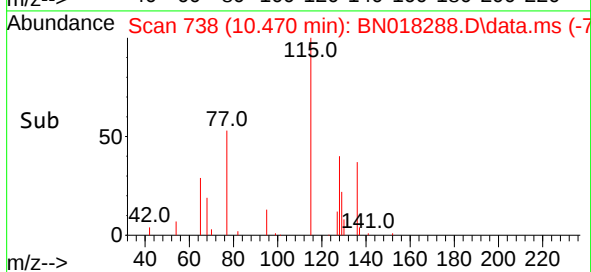
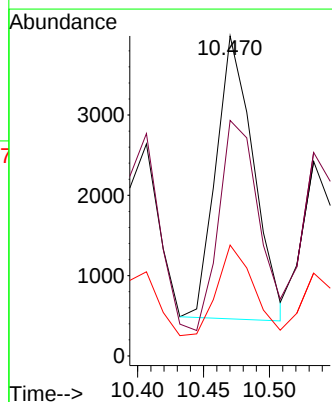
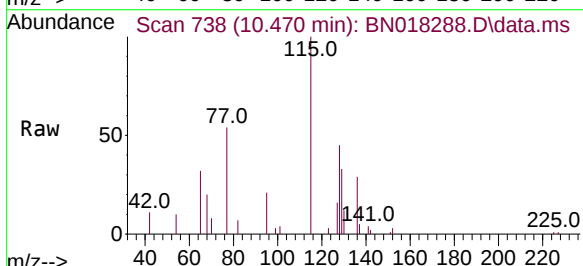
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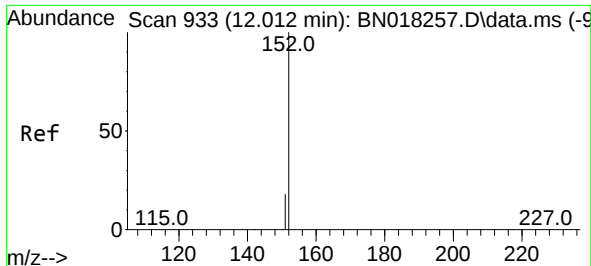
Tgt Ion: 82 Resp: 28314
Ion Ratio Lower Upper
82 100
128 36.4 33.7 50.5
54 51.5 36.6 55.0



#9
Naphthalene
Concen: 0.021 ng
RT: 10.470 min Scan# 738
Delta R.T. 0.000 min
Lab File: BN018288.D
Acq: 30 Dec 2021 08:38

Tgt Ion: 128 Resp: 6940
Ion Ratio Lower Upper
128 100
129 73.6 8.7 13.1#
127 34.7 10.4 15.6#





#11

2-Methylnaphthalene-d10

Concen: 0.298 ng

RT: 12.007 min Scan# 91

Delta R.T. -0.004 min

Lab File: BN018288.D

Acq: 30 Dec 2021 08:38

Instrument :

BNA_F

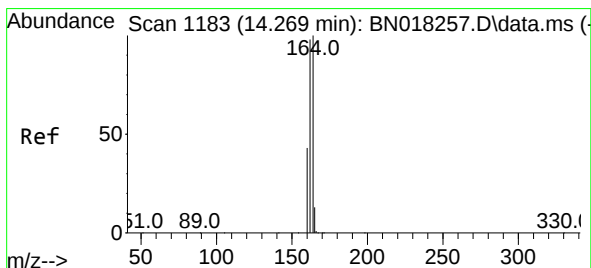
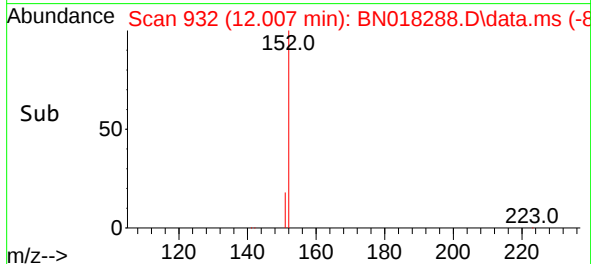
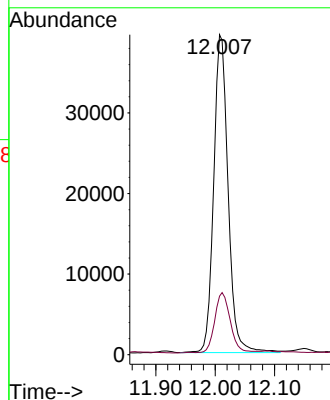
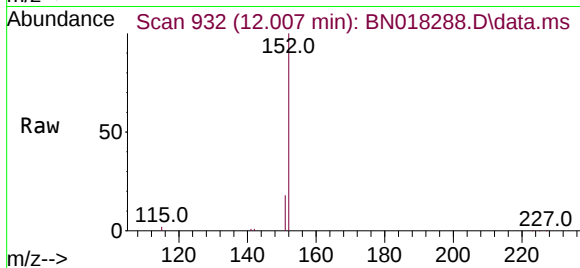
ClientSampleId :

Tgt Ion:152 Resp: 66535

Ion Ratio Lower Upper

152 100

151 20.3 16.2 24.2



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.269 min Scan# 1183

Delta R.T. -0.000 min

Lab File: BN018288.D

Acq: 30 Dec 2021 08:38

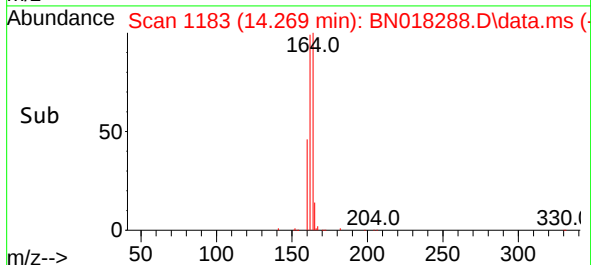
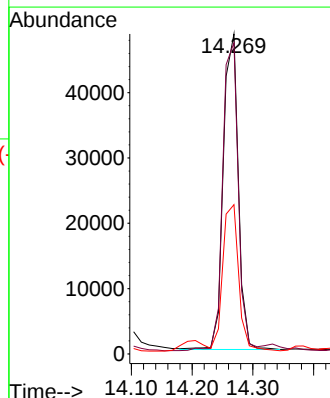
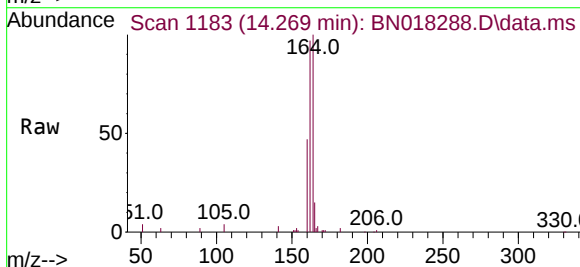
Tgt Ion:164 Resp: 82455

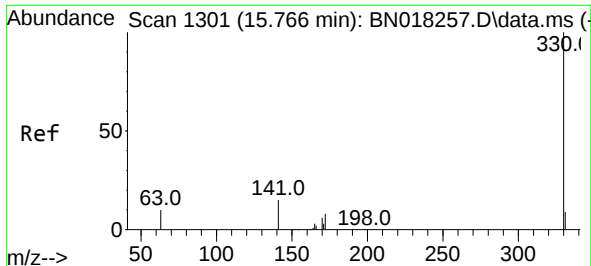
Ion Ratio Lower Upper

164 100

162 97.3 80.2 120.2

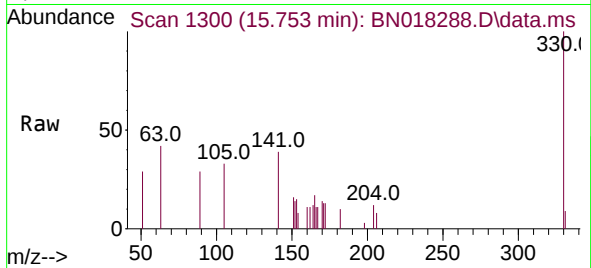
160 46.6 36.9 55.3



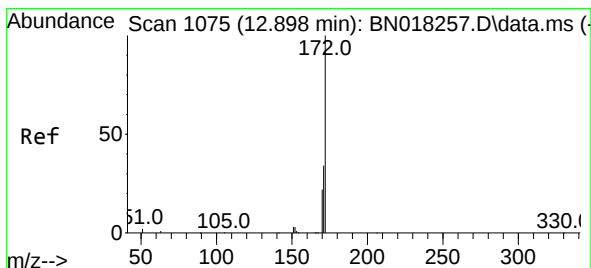
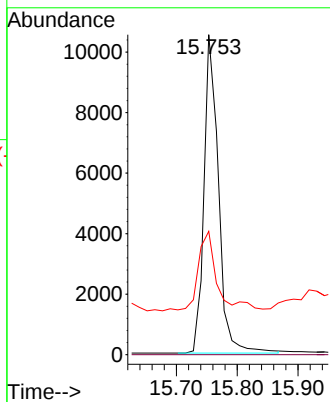
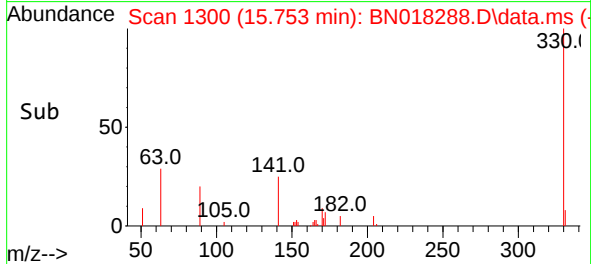


#14
2,4,6-Tribromophenol
Concen: 0.701 ng
RT: 15.753 min Scan# 11
Delta R.T. -0.013 min
Lab File: BN018288.D
Acq: 30 Dec 2021 08:38

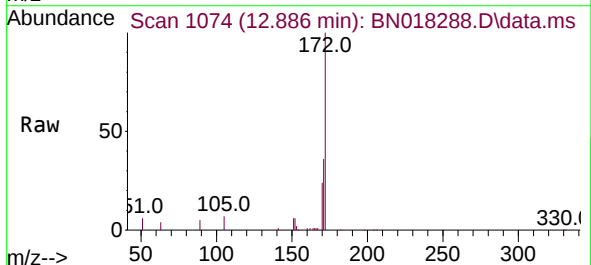
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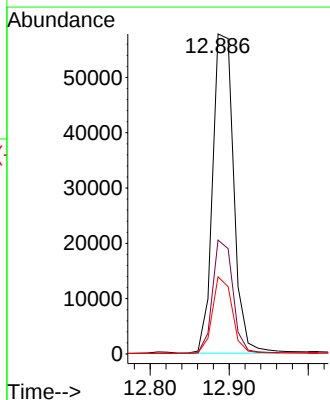
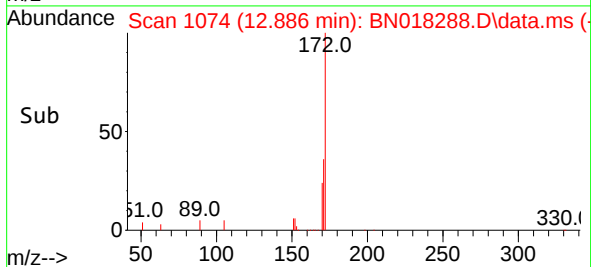
Tgt Ion: 330 Resp: 17458
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 30.7 21.3 31.9

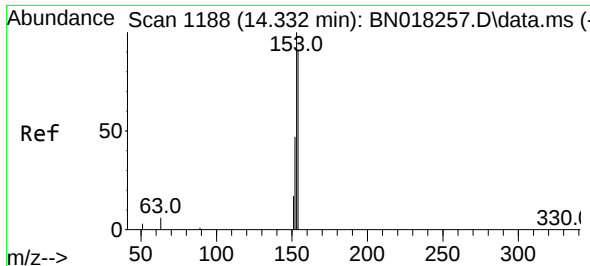


#15
2-Fluorobiphenyl
Concen: 0.343 ng
RT: 12.886 min Scan# 1074
Delta R.T. -0.013 min
Lab File: BN018288.D
Acq: 30 Dec 2021 08:38



Tgt Ion: 172 Resp: 107056
Ion Ratio Lower Upper
172 100
171 35.6 27.4 41.0
170 24.1 18.4 27.6

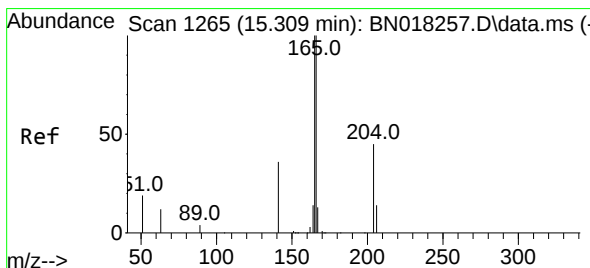
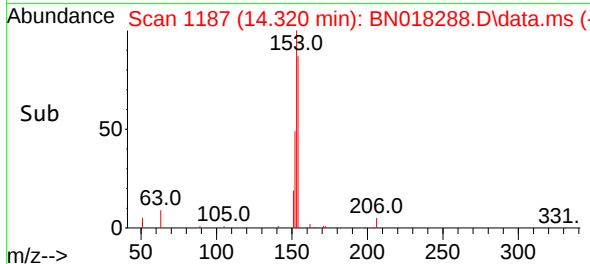
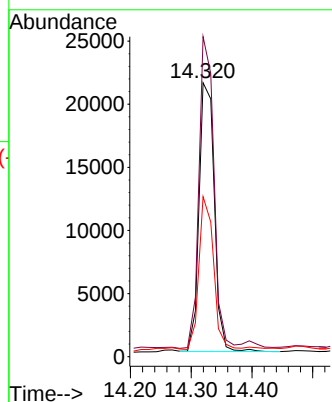
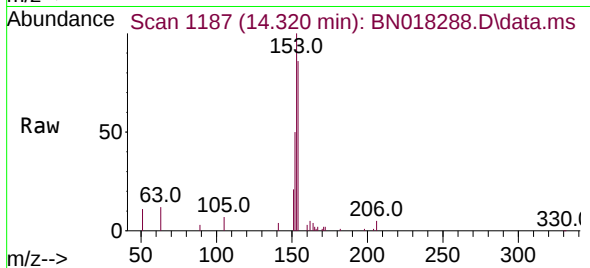




#17
Acenaphthene
Concen: 0.175 ng
RT: 14.320 min Scan# 1188
Delta R.T. -0.013 min
Lab File: BN018288.D
Acq: 30 Dec 2021 08:38

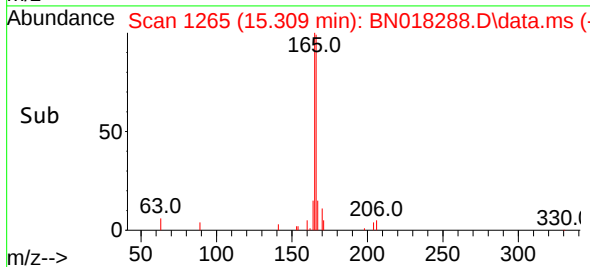
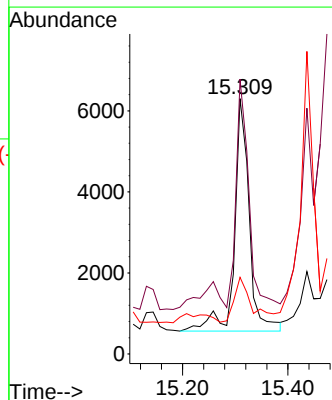
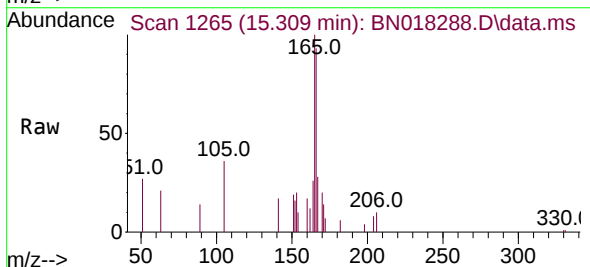
Instrument :
BNA_F
ClientSampleId :

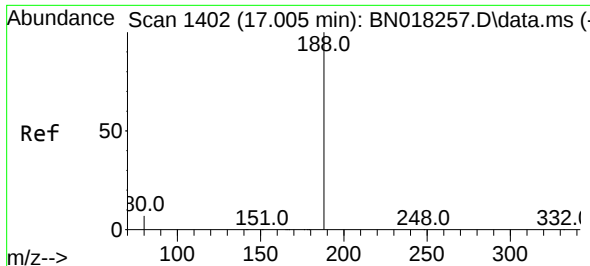
Tgt Ion:154 Resp: 37229
Ion Ratio Lower Upper
154 100
153 113.5 90.9 136.3
152 53.7 45.0 67.4



#18
Fluorene
Concen: 0.044 ng
RT: 15.309 min Scan# 1265
Delta R.T. 0.000 min
Lab File: BN018288.D
Acq: 30 Dec 2021 08:38

Tgt Ion:166 Resp: 11055
Ion Ratio Lower Upper
166 100
165 84.5 77.8 116.6
167 23.1 10.9 16.3#

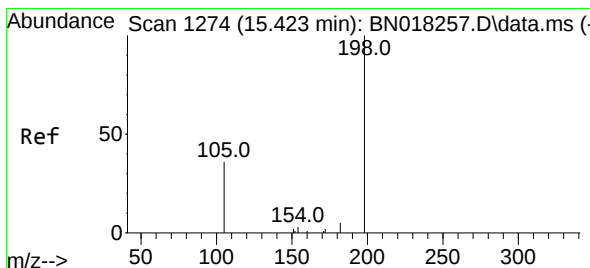
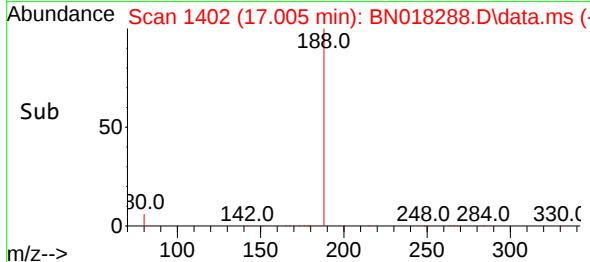
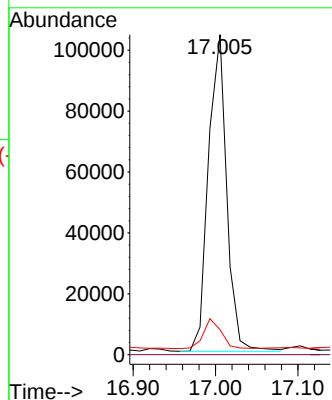
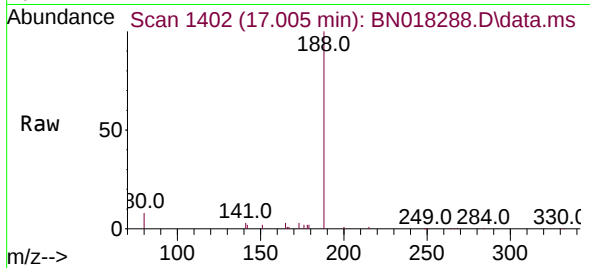




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.005 min Scan# 1402
Delta R.T. 0.000 min
Lab File: BN018288.D
Acq: 30 Dec 2021 08:38

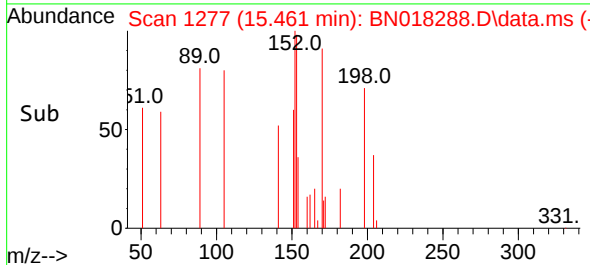
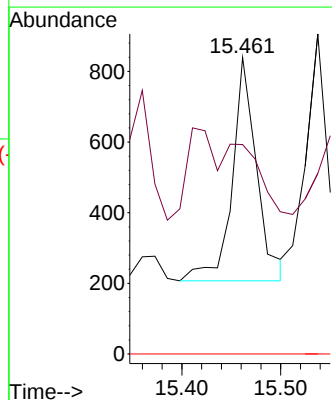
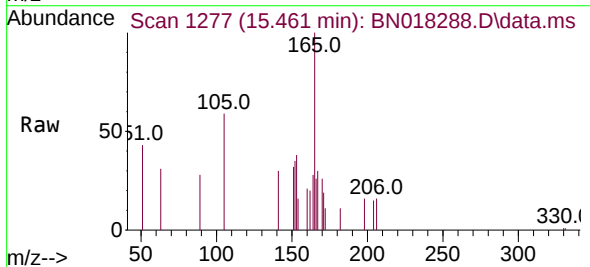
Instrument :
BNA_F
ClientSampleId :

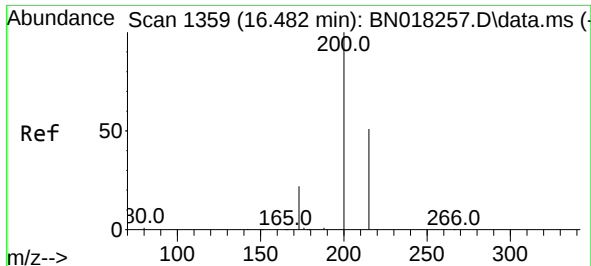
Tgt Ion:188 Resp: 160646
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 7.8 7.0 10.4



#20
4,6-Dinitro-2-methylphenol
Concen: 0.517 ng
RT: 15.461 min Scan# 1277
Delta R.T. 0.038 min
Lab File: BN018288.D
Acq: 30 Dec 2021 08:38

Tgt Ion:198 Resp: 1092
Ion Ratio Lower Upper
198 100
182 70.6 15.5 23.3#
77 0.0 0.0 0.0

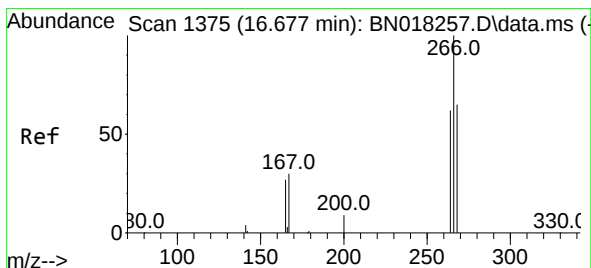
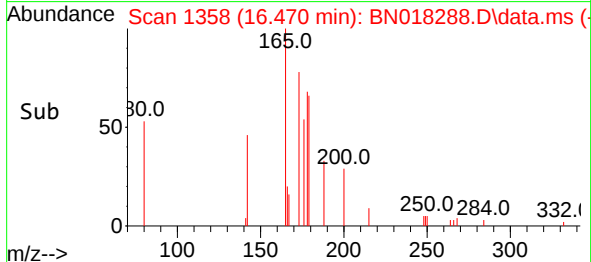
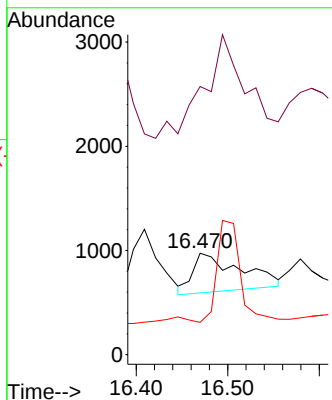
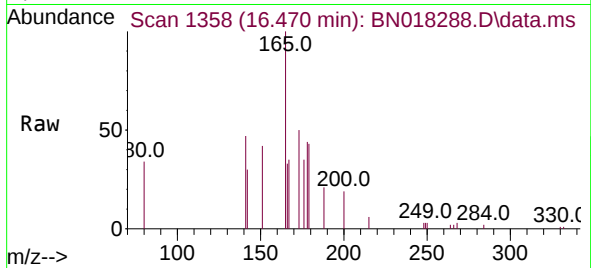




#23
Atrazine
Concen: 0.152 ng
RT: 16.470 min Scan# 1358
Delta R.T. -0.012 min
Lab File: BN018288.D
Acq: 30 Dec 2021 08:38

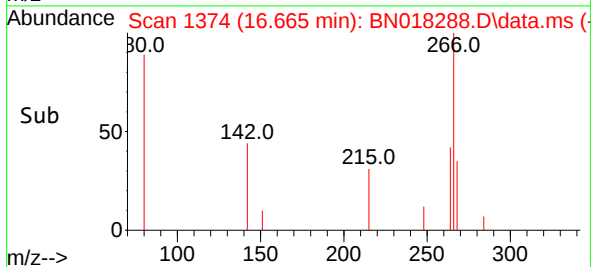
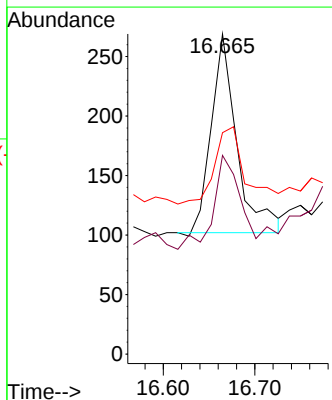
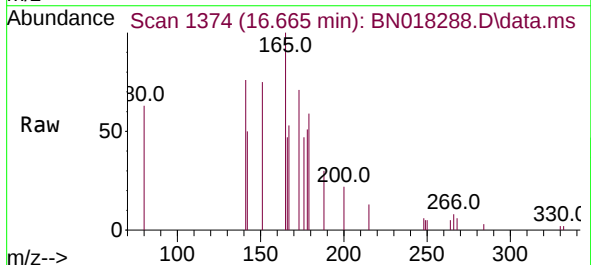
Instrument :
BNA_F
ClientSampleId :

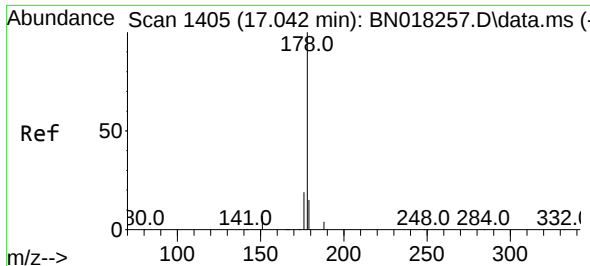
Tgt Ion:200 Resp: 1361
Ion Ratio Lower Upper
200 100
173 264.2 20.3 30.5#
215 31.9 40.4 60.6#



#24
Pentachlorophenol
Concen: 0.199 ng
RT: 16.665 min Scan# 1374
Delta R.T. -0.012 min
Lab File: BN018288.D
Acq: 30 Dec 2021 08:38

Tgt Ion:266 Resp: 324
Ion Ratio Lower Upper
266 100
264 49.7 49.5 74.3
268 46.6 50.6 76.0#

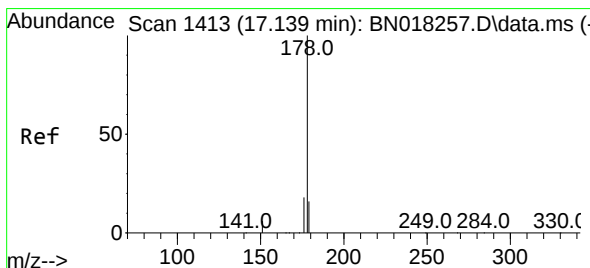
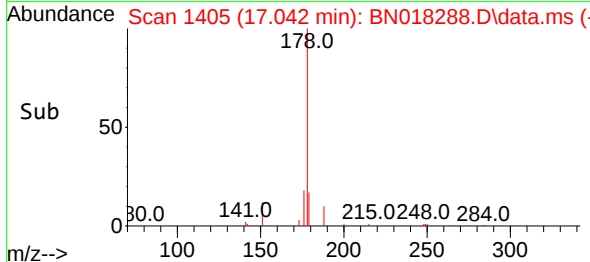
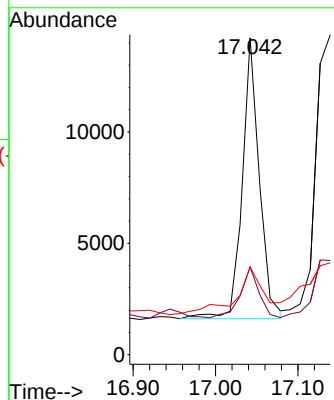
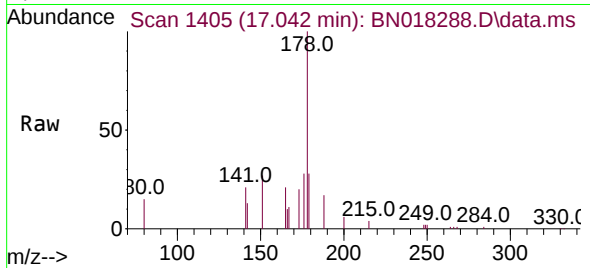




#25
Phenanthrene
Concen: 0.043 ng
RT: 17.042 min Scan# 1405
Delta R.T. 0.000 min
Lab File: BN018288.D
Acq: 30 Dec 2021 08:38

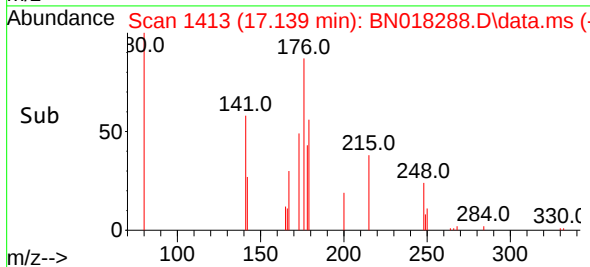
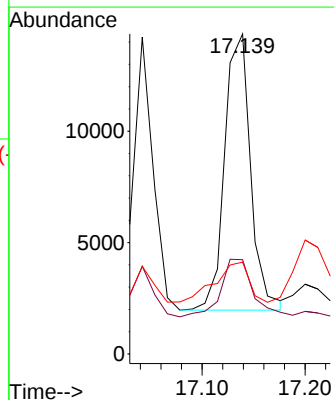
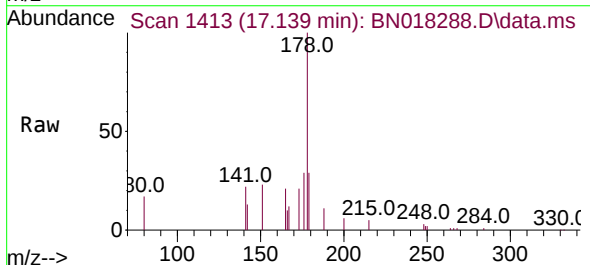
Instrument :
BNA_F
ClientSampleId :

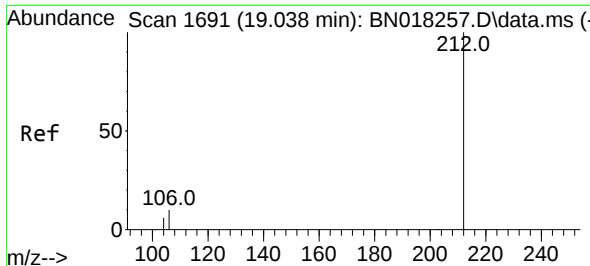
Tgt Ion:178 Resp: 18125
Ion Ratio Lower Upper
178 100
176 20.8 15.3 22.9
179 28.0 12.3 18.5#



#26
Anthracene
Concen: 0.099 ng
RT: 17.139 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BN018288.D
Acq: 30 Dec 2021 08:38

Tgt Ion:178 Resp: 21761
Ion Ratio Lower Upper
178 100
176 26.0 14.8 22.2#
179 18.8 12.2 18.4#

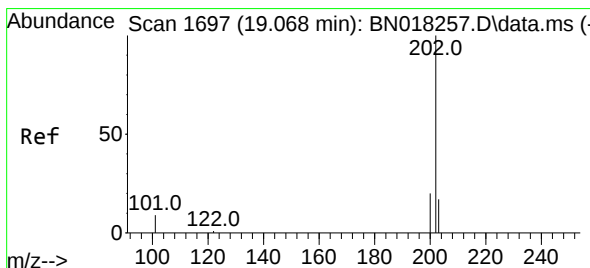
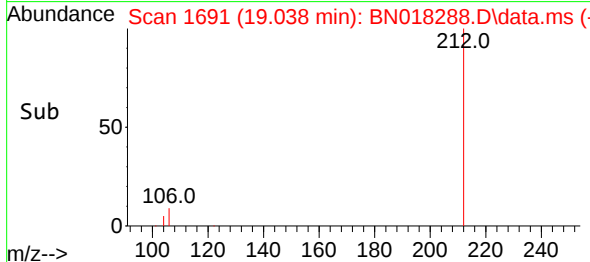
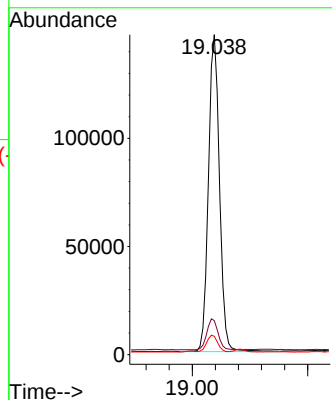
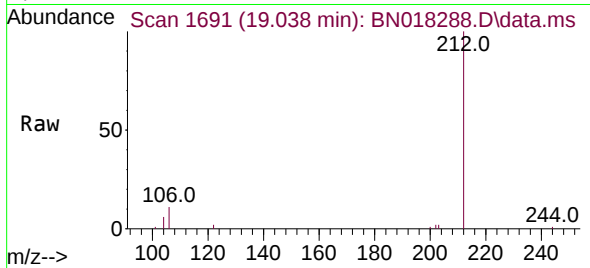




#27
Fluoranthene-d10
Concen: 0.380 ng
RT: 19.038 min Scan# 1691
Delta R.T. 0.000 min
Lab File: BN018288.D
Acq: 30 Dec 2021 08:38

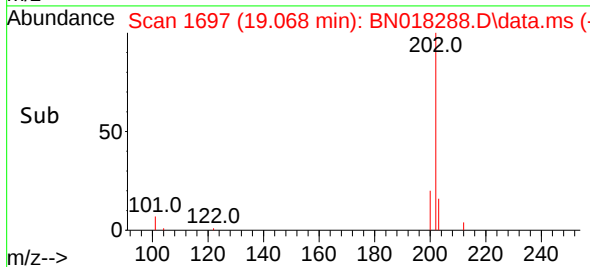
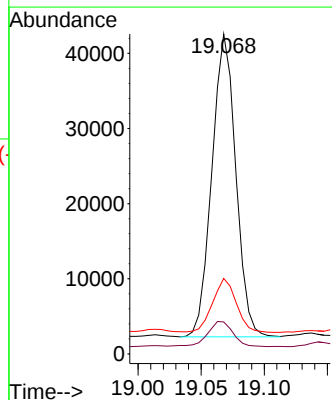
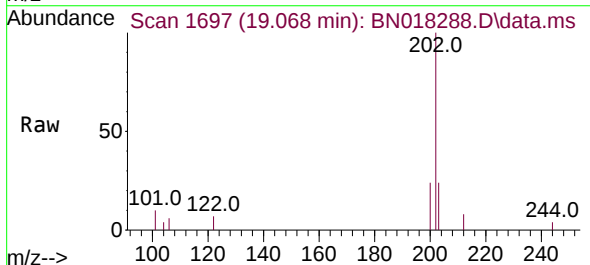
Instrument :
BNA_F
ClientSampleId :

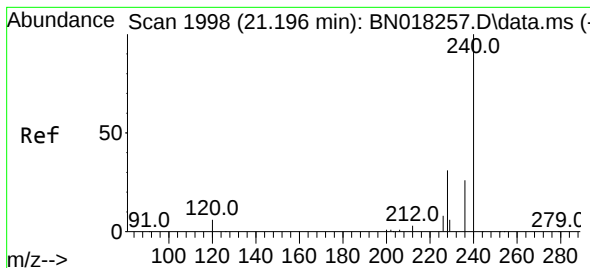
Tgt Ion:212 Resp: 194243
Ion Ratio Lower Upper
212 100
106 10.0 8.4 12.6
104 5.3 4.5 6.7



#28
Fluoranthene
Concen: 0.107 ng
RT: 19.068 min Scan# 1697
Delta R.T. 0.000 min
Lab File: BN018288.D
Acq: 30 Dec 2021 08:38

Tgt Ion:202 Resp: 52977
Ion Ratio Lower Upper
202 100
101 8.9 7.2 10.8
203 17.6 13.7 20.5





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.196 min Scan# 1998

Delta R.T. -0.000 min

Lab File: BN018288.D

Acq: 30 Dec 2021 08:38

Instrument :

BNA_F

ClientSampleId :

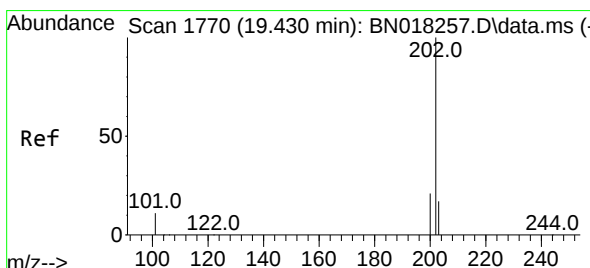
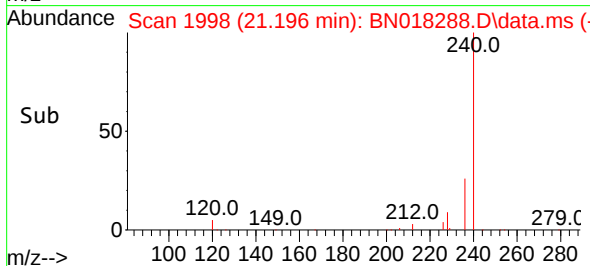
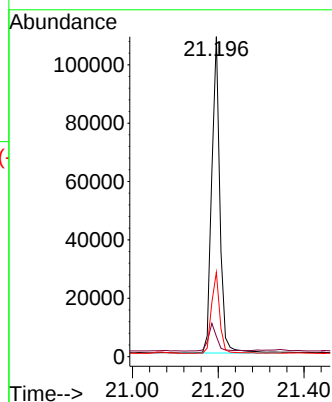
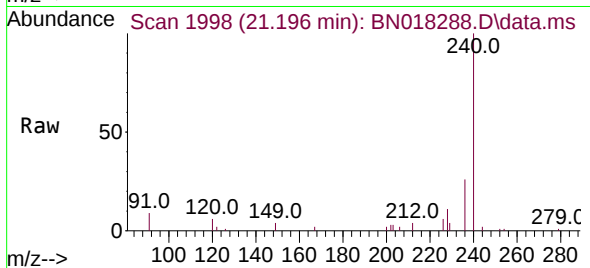
Tgt Ion:240 Resp: 143223

Ion Ratio Lower Upper

240 100

120 6.4 6.0 9.0

236 26.4 21.4 32.2



#30

Pyrene

Concen: 0.241 ng

RT: 19.430 min Scan# 1770

Delta R.T. 0.000 min

Lab File: BN018288.D

Acq: 30 Dec 2021 08:38

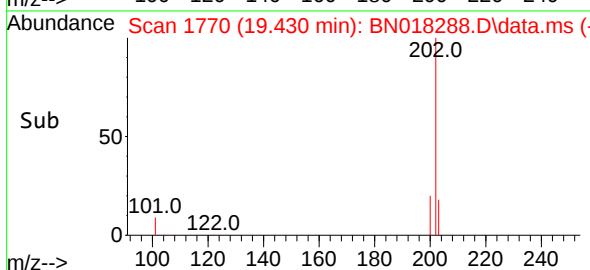
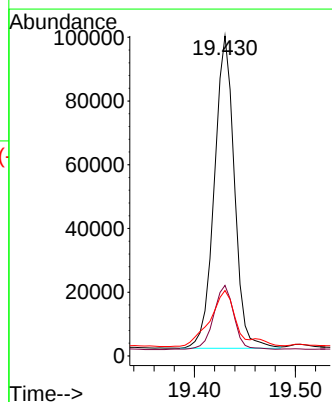
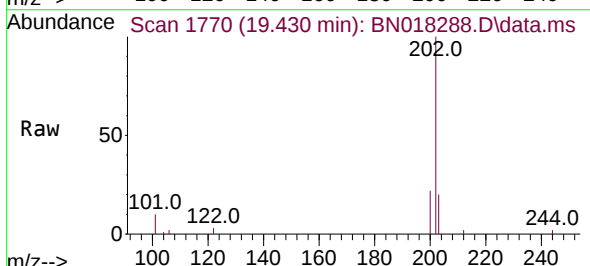
Tgt Ion:202 Resp: 135254

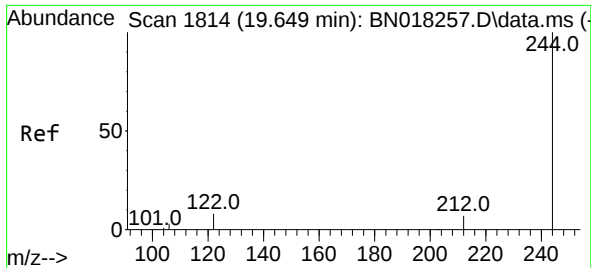
Ion Ratio Lower Upper

202 100

200 20.9 16.6 25.0

203 22.1 14.1 21.1#

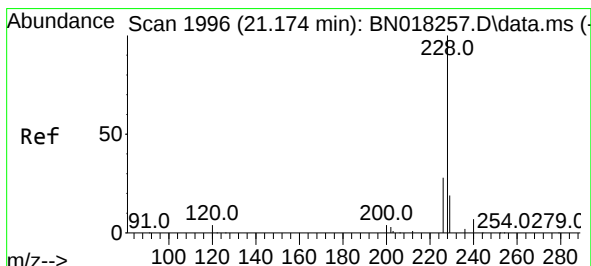
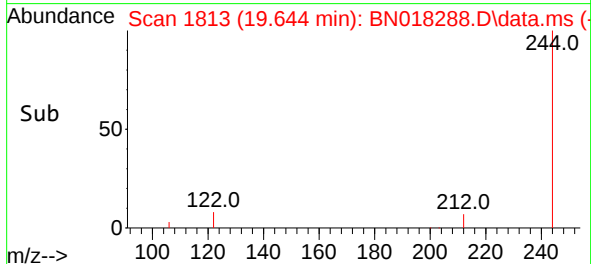
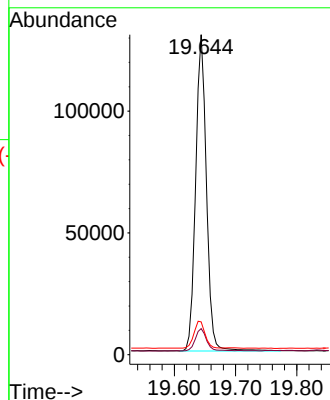
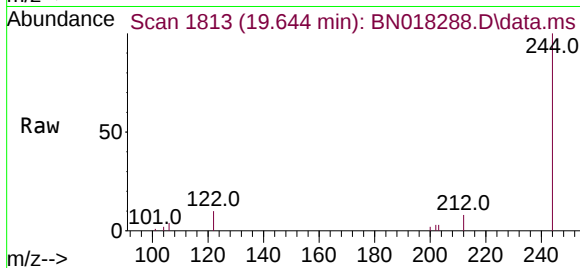




#31
 Terphenyl-d14
 Concen: 0.437 ng
 RT: 19.644 min Scan# 11
 Delta R.T. -0.005 min
 Lab File: BN018288.D
 Acq: 30 Dec 2021 08:38

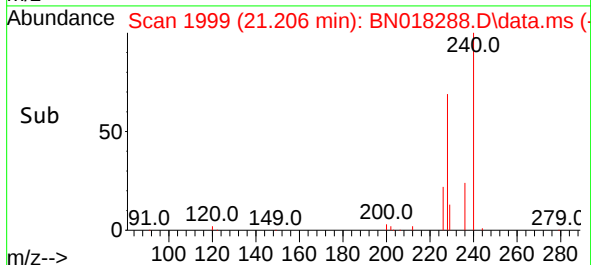
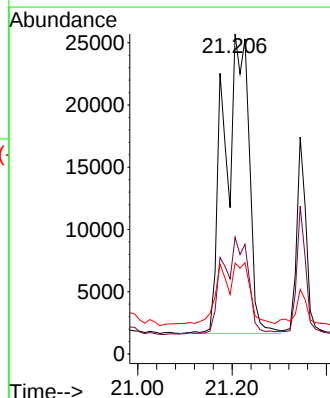
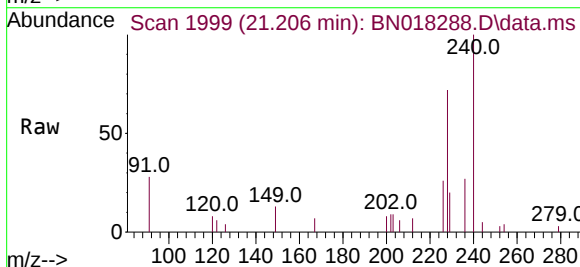
Instrument :
 BNA_F
 ClientSampleId :

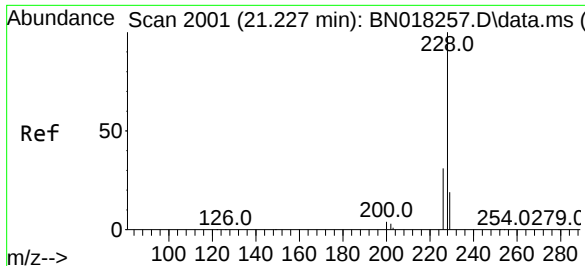
Tgt Ion:244 Resp: 158917
 Ion Ratio Lower Upper
 244 100
 212 8.1 6.2 9.2
 122 10.2 7.9 11.9



#32
 Benzo(a)anthracene
 Concen: 0.247 ng
 RT: 21.206 min Scan# 1999
 Delta R.T. 0.032 min
 Lab File: BN018288.D
 Acq: 30 Dec 2021 08:38

Tgt Ion:228 Resp: 88427
 Ion Ratio Lower Upper
 228 100
 226 36.4 21.3 31.9#
 229 28.4 15.9 23.9#





#33

Chrysene

Concen: 0.186 ng

RT: 21.206 min Scan# 1999

Delta R.T. -0.021 min

Lab File: BN018288.D

Acq: 30 Dec 2021 08:38

Instrument :

BNA_F

ClientSampleId :

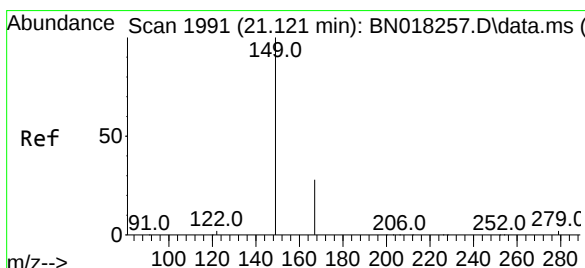
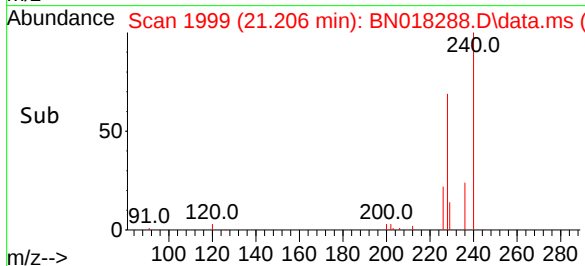
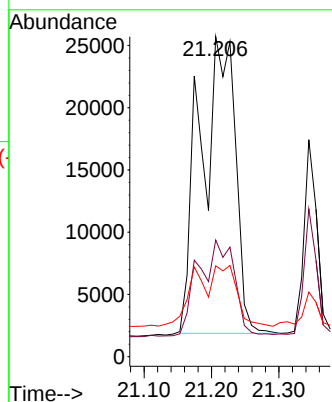
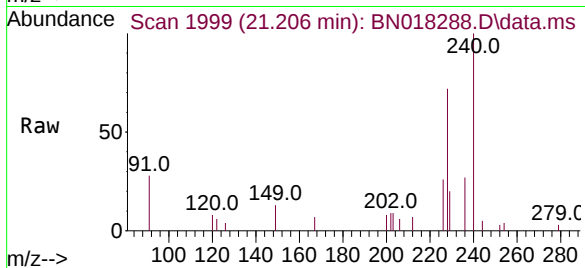
Tgt Ion:228 Resp: 85873

Ion Ratio Lower Upper

228 100

226 36.4 24.2 36.4#

229 28.4 15.5 23.3#



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.118 ng

RT: 21.132 min Scan# 1992

Delta R.T. 0.011 min

Lab File: BN018288.D

Acq: 30 Dec 2021 08:38

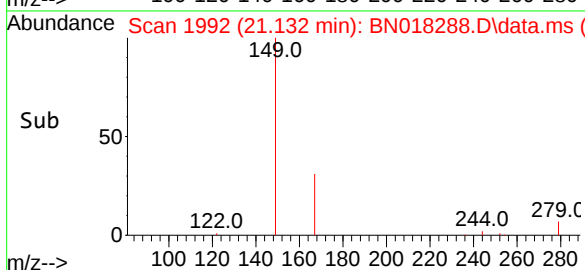
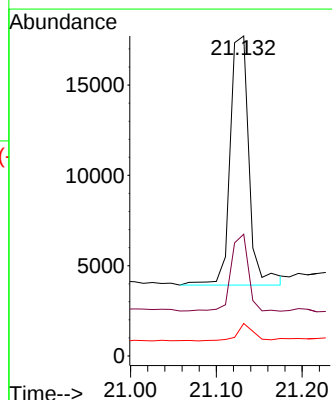
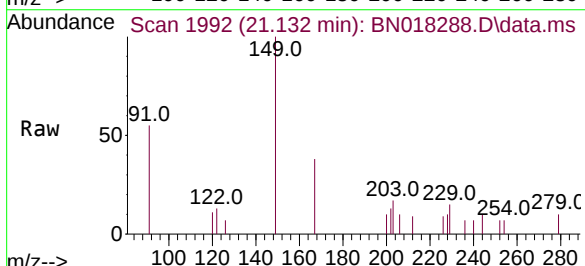
Tgt Ion:149 Resp: 21103

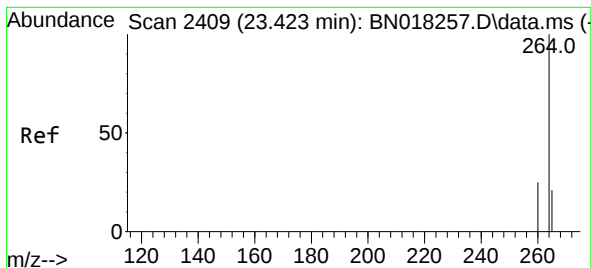
Ion Ratio Lower Upper

149 100

167 27.9 23.7 35.5

279 5.9 3.6 5.4#





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.423 min Scan# 2409

Delta R.T. 0.000 min

Lab File: BN018288.D

Acq: 30 Dec 2021 08:38

Instrument :

BNA_F

ClientSampleId :

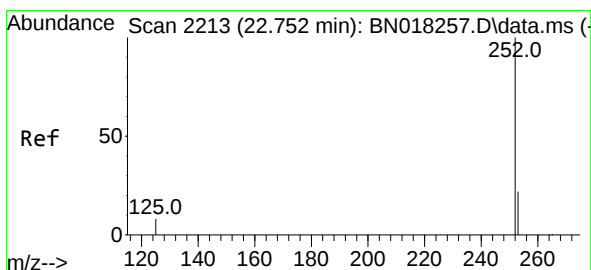
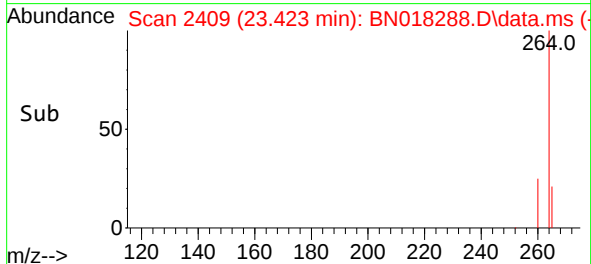
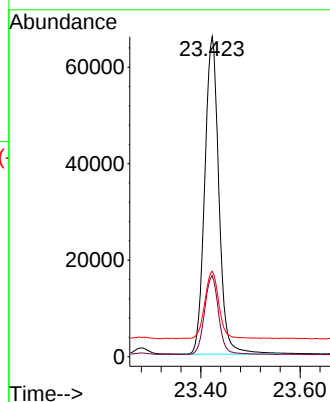
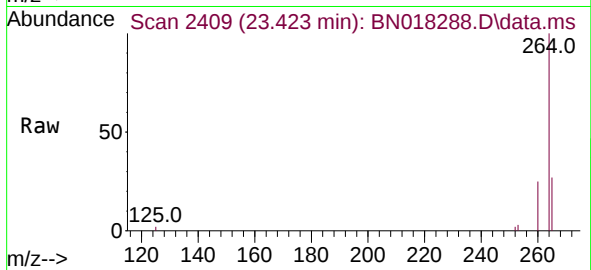
Tgt Ion:264 Resp: 130740

Ion Ratio Lower Upper

264 100

260 25.4 20.2 30.4

265 26.7 18.2 27.2



#37

Benzo(b)fluoranthene

Concen: 0.073 ng

RT: 22.752 min Scan# 2213

Delta R.T. 0.000 min

Lab File: BN018288.D

Acq: 30 Dec 2021 08:38

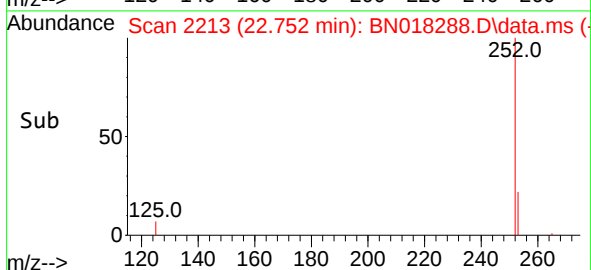
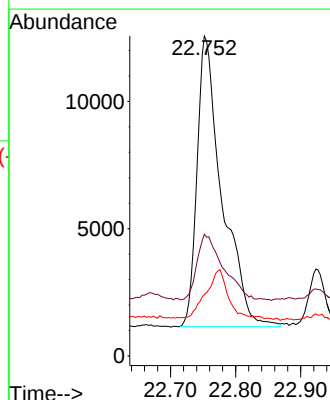
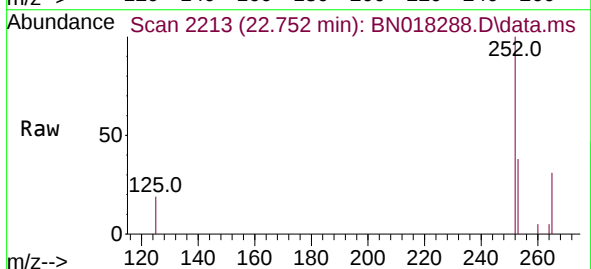
Tgt Ion:252 Resp: 30392

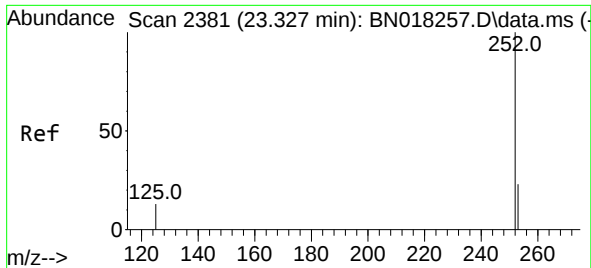
Ion Ratio Lower Upper

252 100

253 38.0 17.8 26.6#

125 19.2 6.0 9.0#





#39

Benzo(a)pyrene

Concen: 0.031 ng

RT: 23.324 min Scan# 21

Delta R.T. -0.003 min

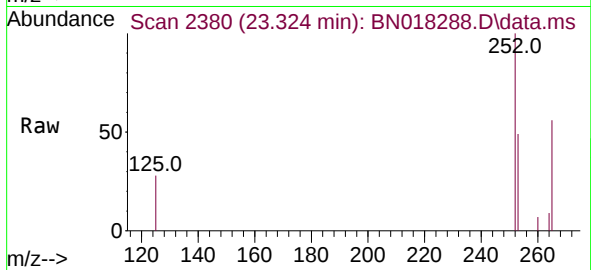
Lab File: BN018288.D

Acq: 30 Dec 2021 08:38

Instrument :

BNA_F

ClientSampleId :



Tgt Ion:252 Resp: 11363

Ion Ratio Lower Upper

252 100

253 48.7 17.8 26.6#

125 28.1 7.0 10.4#

