

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN122921\
 Data File : BN018280.D
 Acq On : 30 Dec 2021 03:50
 Operator : CG/JU
 Sample : M5107-08
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 OB-CS-08

Quant Time: Dec 30 05:00:17 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)

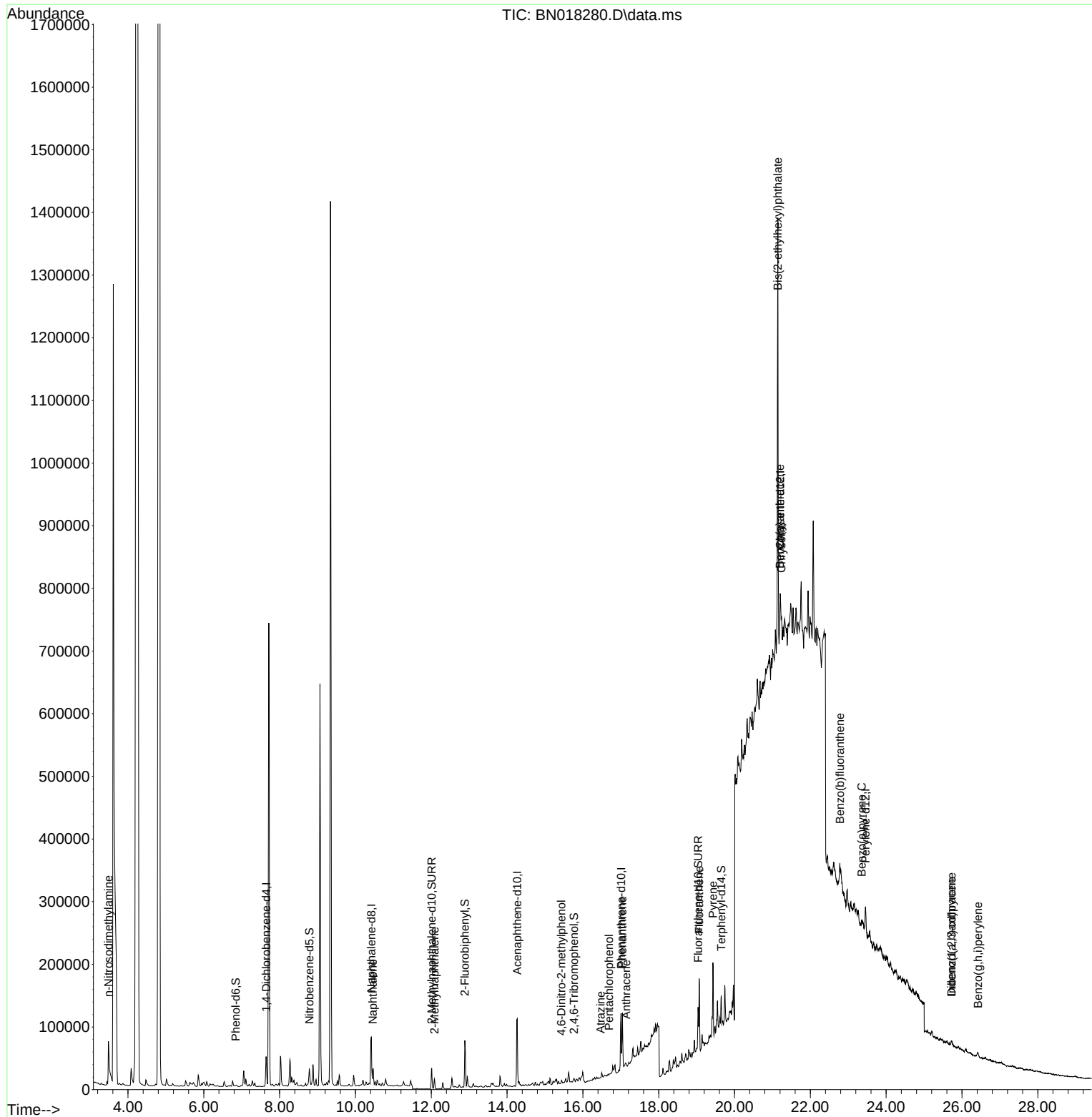
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.643	152	26329	0.400	ng	0.00
7) Naphthalene-d8	10.419	136	110319	0.400	ng	0.00
13) Acenaphthene-d10	14.269	164	72686	0.400	ng	0.00
19) Phenanthrene-d10	17.006	188	134673	0.400	ng	0.00
29) Chrysene-d12	21.206	240	64540	0.400	ng	# 0.01
35) Perylene-d12	23.457	264	73237	0.400	ng	# 0.03
System Monitoring Compounds						
4) 2-Fluorophenol	5.273	112	117	0.002	ng	0.03
5) Phenol-d6	6.840	99	1026	0.020	ng	0.00
8) Nitrobenzene-d5	8.785	82	20206	0.384	ng	0.00
11) 2-Methylnaphthalene-d10	12.007	152	46881	0.253	ng	0.00
14) 2,4,6-Tribromophenol	15.766	330	59	0.306	ng	0.00
15) 2-Fluorobiphenyl	12.886	172	70875	0.258	ng	-0.01
27) Fluoranthene-d10	19.038	212	87099	0.203	ng	0.00
31) Terphenyl-d14	19.649	244	55009	0.335	ng	0.00
Target Compounds						
						Qvalue
3) n-Nitrosodimethylamine	3.484	42	29021	1.342	ng	# 1
9) Naphthalene	10.458	128	38954	0.143	ng	98
12) 2-Methylnaphthalene	12.083	142	12130	0.069	ng	98
20) 4,6-Dinitro-2-methylph...	15.436	198	113	0.244	ng	# 1
23) Atrazine	16.470	200	424	0.141	ng	# 1
24) Pentachlorophenol	16.689	266	261	0.198	ng	# 68
25) Phenanthrene	17.042	178	91438	0.258	ng	# 96
26) Anthracene	17.139	178	6383	0.062	ng	# 76
28) Fluoranthene	19.068	202	104075	0.250	ng	96
30) Pyrene	19.430	202	104815	0.414	ng	97
32) Benzo(a)anthracene	21.196	228	22710	0.165	ng	# 1
33) Chrysene	21.238	228	39854	0.192	ng	# 8
34) Bis(2-ethylhexyl)phtha...	21.143	149	674694	8.375	ng	# 99
36) Indeno(1,2,3-cd)pyrene	25.727	276	11560	0.066	ng	# 78
37) Benzo(b)fluoranthene	22.783	252	46006	0.198	ng	# 1
39) Benzo(a)pyrene	23.358	252	13874	0.069	ng	# 1
40) Dibenzo(a,h)anthracene	25.723	278	3390	0.027	ng	# 1
41) Benzo(g,h,i)perylene	26.421	276	17155	0.098	ng	# 1

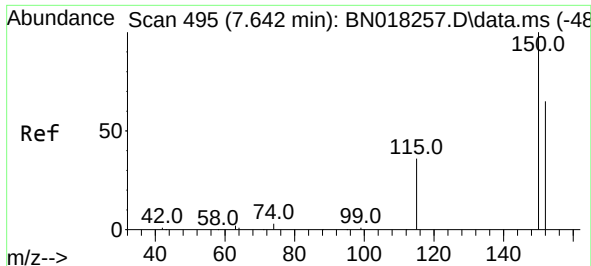
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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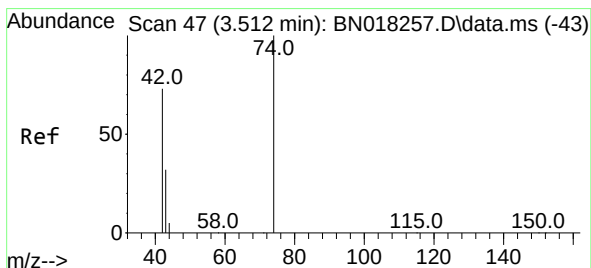
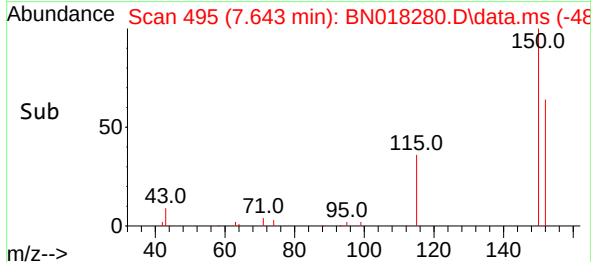
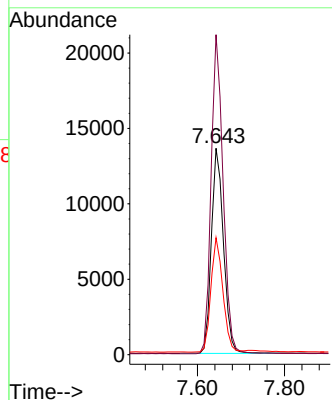
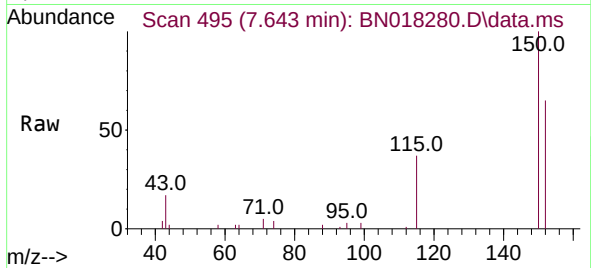




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.643 min Scan# 49
Delta R.T. 0.001 min
Lab File: BN018280.D
Acq: 30 Dec 2021 03:50

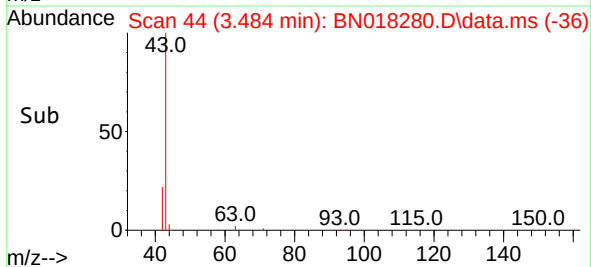
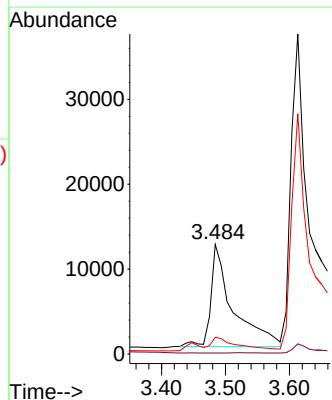
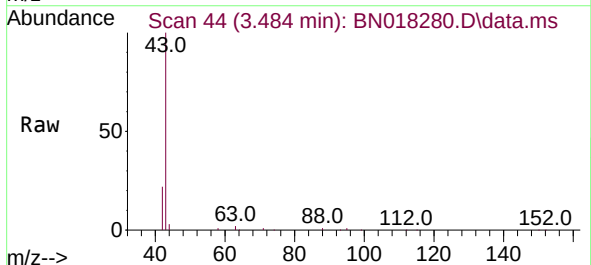
Instrument :
BNA_N
ClientSampleId :
OB-CS-08

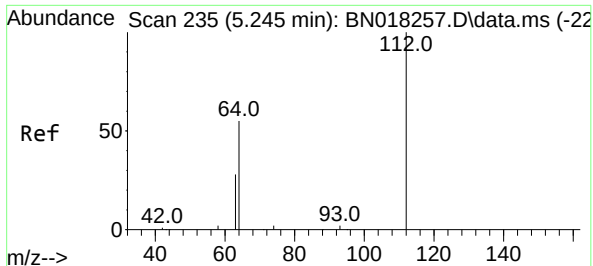
Tgt Ion:152 Resp: 26329
Ion Ratio Lower Upper
152 100
150 155.0 121.7 182.5
115 56.7 43.8 65.8



#3
n-Nitrosodimethylamine
Concen: 1.342 ng
RT: 3.484 min Scan# 44
Delta R.T. -0.027 min
Lab File: BN018280.D
Acq: 30 Dec 2021 03:50

Tgt Ion: 42 Resp: 29021
Ion Ratio Lower Upper
42 100
74 0.0 108.6 163.0#
44 12.3 5.8 8.8#

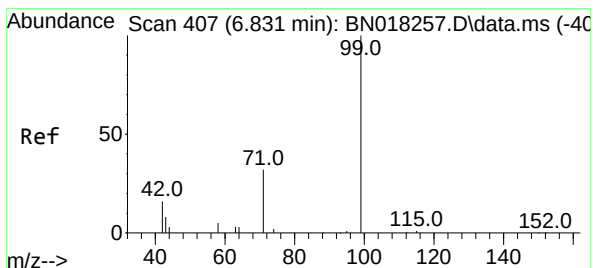
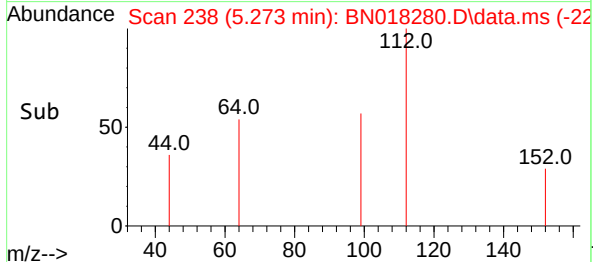
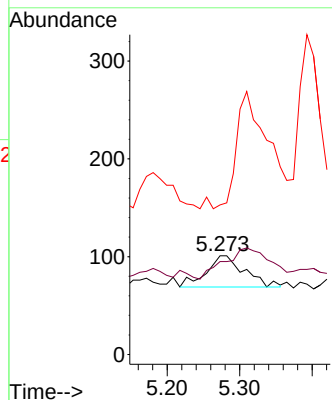
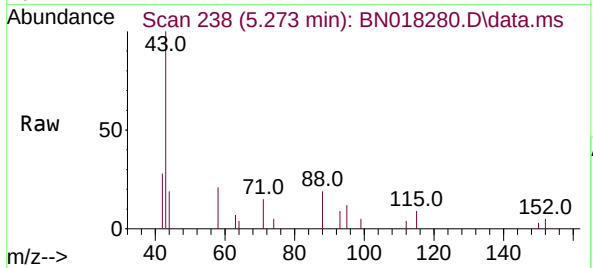




#4
2-Fluorophenol
Concen: 0.002 ng
RT: 5.273 min Scan# 21
Delta R.T. 0.028 min
Lab File: BN018280.D
Acq: 30 Dec 2021 03:50

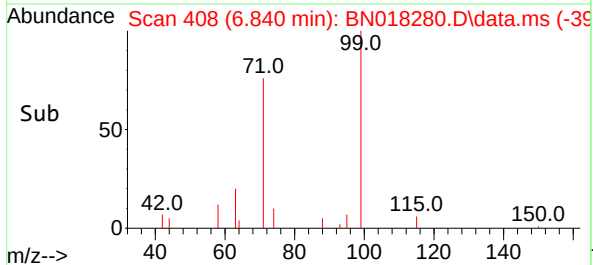
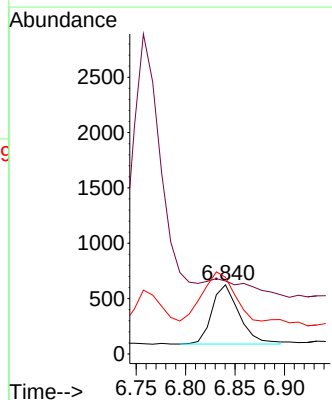
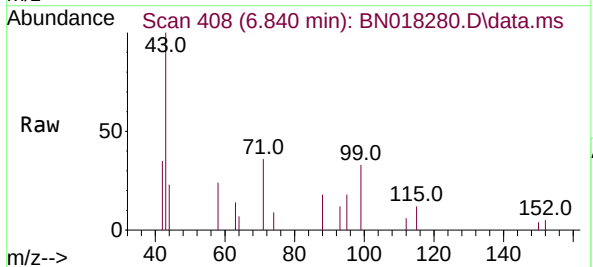
Instrument :
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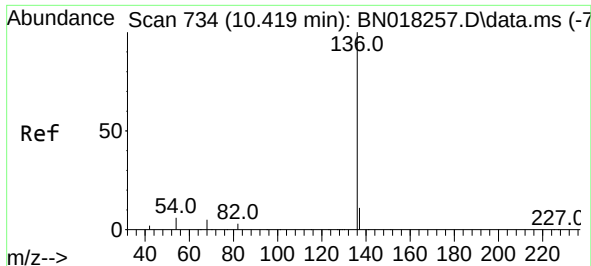
Tgt Ion:112 Resp: 117
Ion Ratio Lower Upper
112 100
64 0.0 48.0 72.0#
63 0.0 25.3 37.9#



#5
Phenol-d6
Concen: 0.020 ng
RT: 6.840 min Scan# 408
Delta R.T. 0.009 min
Lab File: BN018280.D
Acq: 30 Dec 2021 03:50

Tgt Ion: 99 Resp: 1026
Ion Ratio Lower Upper
99 100
42 0.0 16.3 24.5#
71 94.3 26.8 40.2#

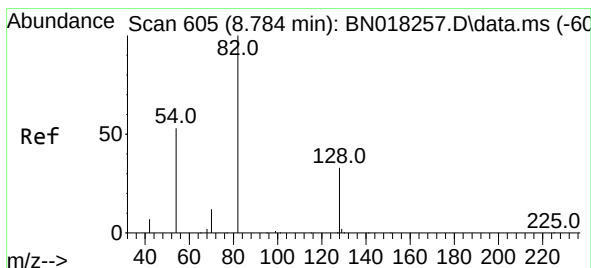
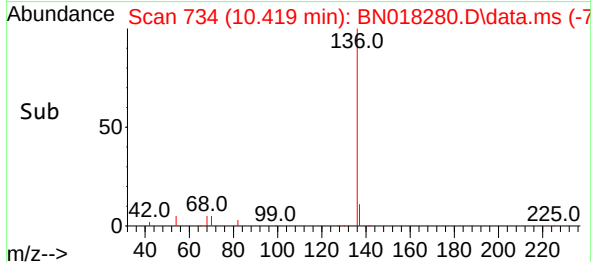
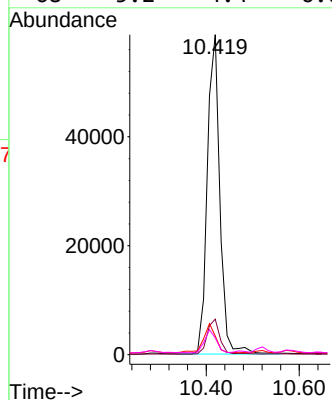
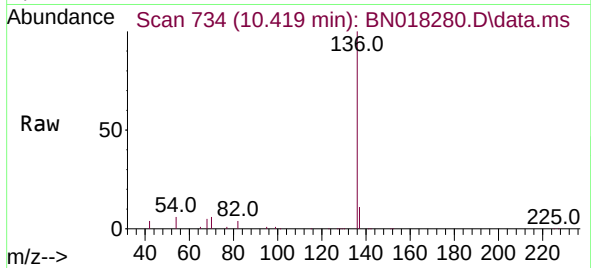




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.419 min Scan# 71
Delta R.T. 0.000 min
Lab File: BN018280.D
Acq: 30 Dec 2021 03:50

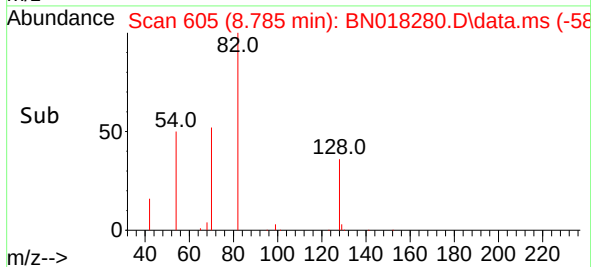
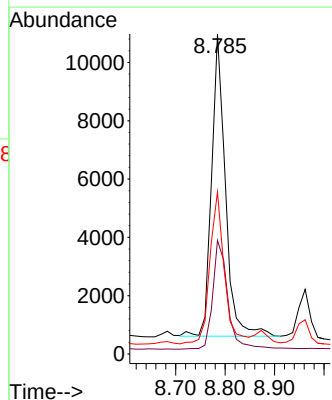
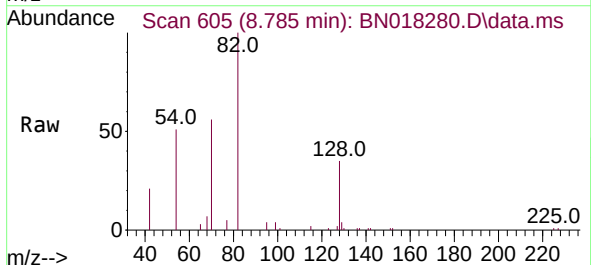
Instrument :
BNA_N
ClientSampleId :
OB-CS-08

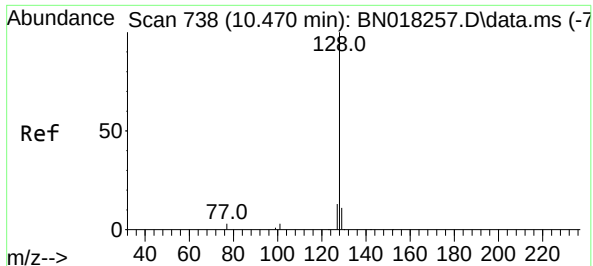
Tgt Ion:	136	Resp:	110319
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	5.8	5.0	7.6
68	5.2	4.4	6.6



#8
Nitrobenzene-d5
Concen: 0.384 ng
RT: 8.785 min Scan# 605
Delta R.T. 0.001 min
Lab File: BN018280.D
Acq: 30 Dec 2021 03:50

Tgt Ion:	82	Resp:	20206
Ion	Ratio	Lower	Upper
82	100		
128	35.5	33.7	50.5
54	50.7	36.6	55.0

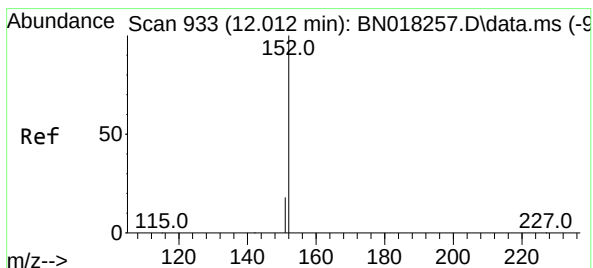
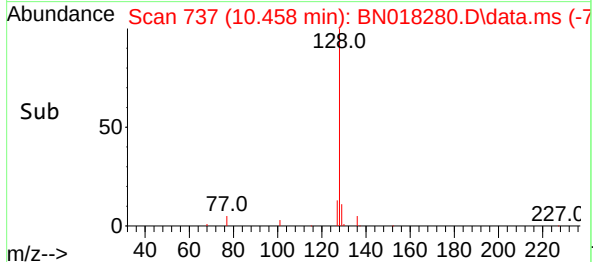
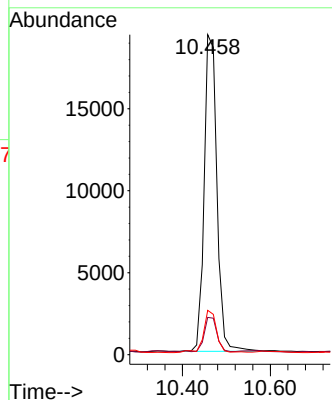
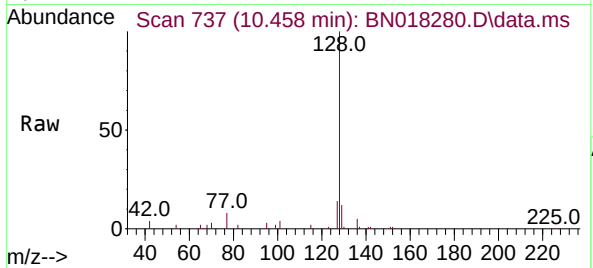




#9
Naphthalene
Concen: 0.143 ng
RT: 10.458 min Scan# 71
Delta R.T. -0.013 min
Lab File: BN018280.D
Acq: 30 Dec 2021 03:50

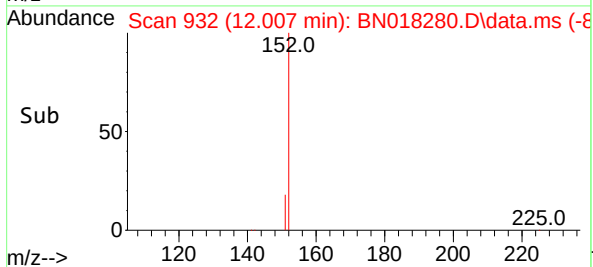
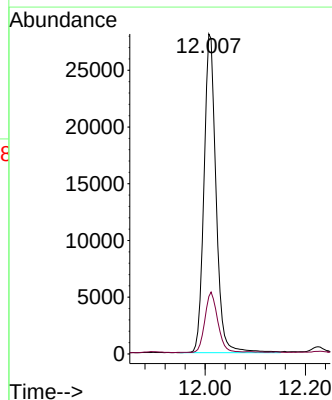
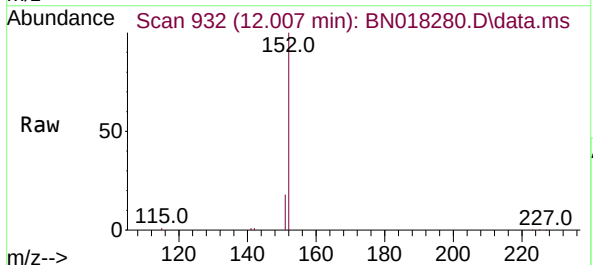
Instrument :
BNA_N
ClientSampleId :
OB-CS-08

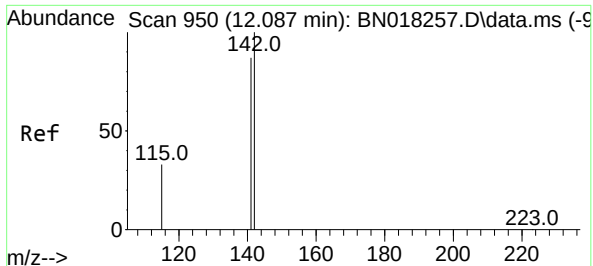
Tgt Ion:128 Resp: 38954
Ion Ratio Lower Upper
128 100
129 11.6 8.7 13.1
127 13.9 10.4 15.6



#11
2-Methylnaphthalene-d10
Concen: 0.253 ng
RT: 12.007 min Scan# 932
Delta R.T. -0.004 min
Lab File: BN018280.D
Acq: 30 Dec 2021 03:50

Tgt Ion:152 Resp: 46881
Ion Ratio Lower Upper
152 100
151 20.2 16.2 24.2





#12

2-Methylnaphthalene

Concen: 0.069 ng

RT: 12.083 min Scan# 949

Delta R.T. -0.004 min

Lab File: BN018280.D

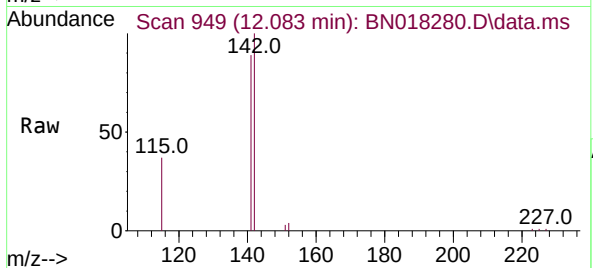
Acq: 30 Dec 2021 03:50

Instrument :

BNA_N

ClientSampleId :

OB-CS-08



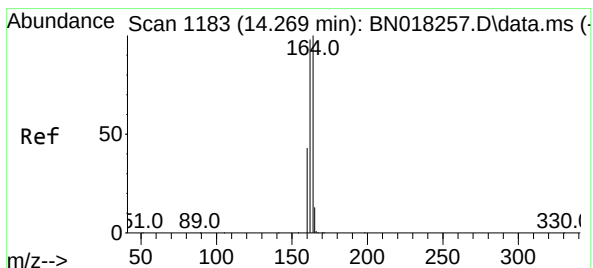
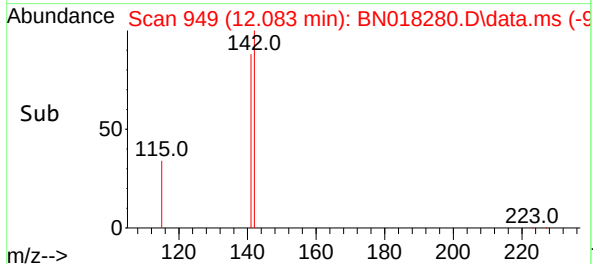
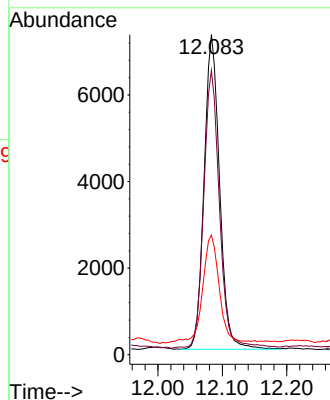
Tgt Ion:142 Resp: 12130

Ion Ratio Lower Upper

142 100

141 88.9 70.0 105.0

115 37.4 27.8 41.8



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.269 min Scan# 1183

Delta R.T. -0.000 min

Lab File: BN018280.D

Acq: 30 Dec 2021 03:50

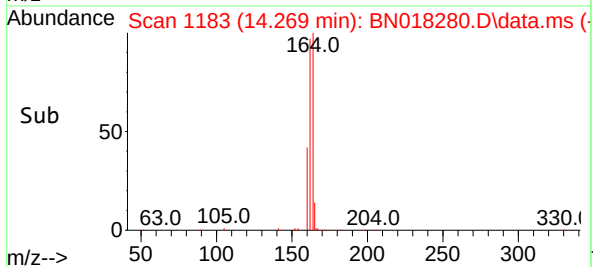
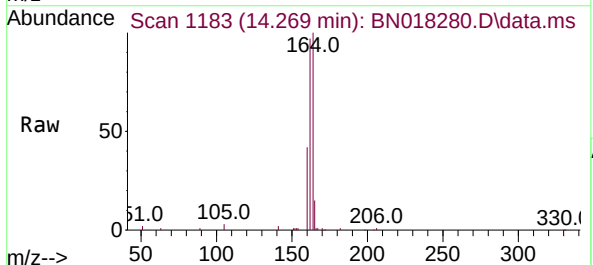
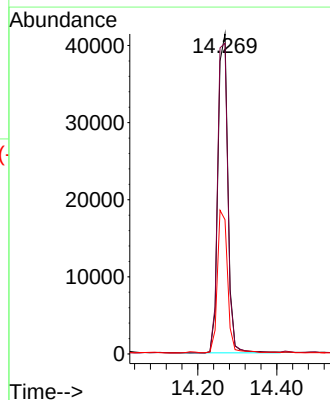
Tgt Ion:164 Resp: 72686

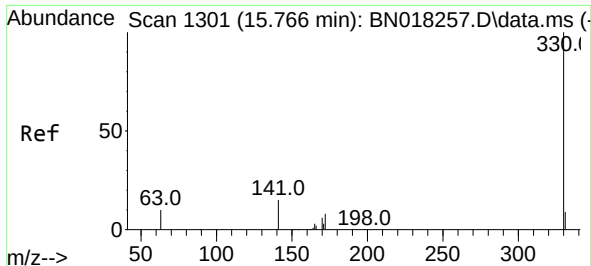
Ion Ratio Lower Upper

164 100

162 97.1 80.2 120.2

160 42.0 36.9 55.3

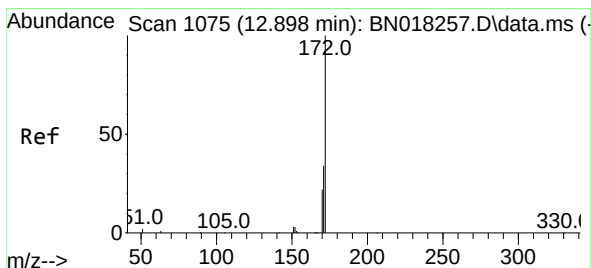
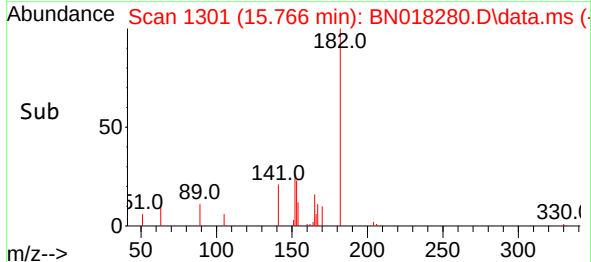
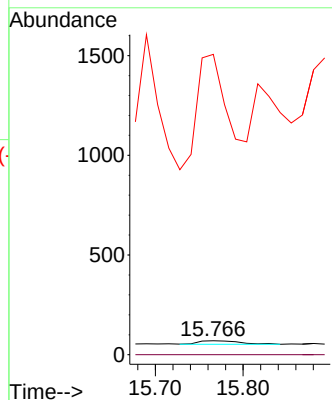
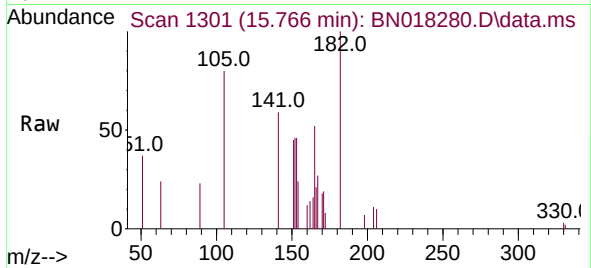




#14
 2,4,6-Tribromophenol
 Concen: 0.306 ng
 RT: 15.766 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BN018280.D
 Acq: 30 Dec 2021 03:50

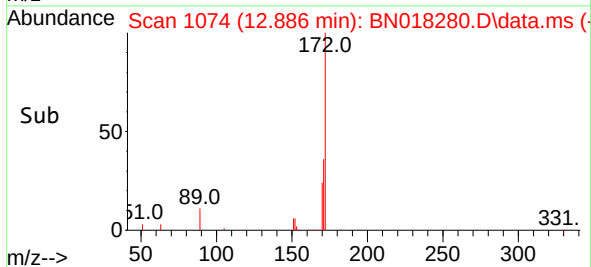
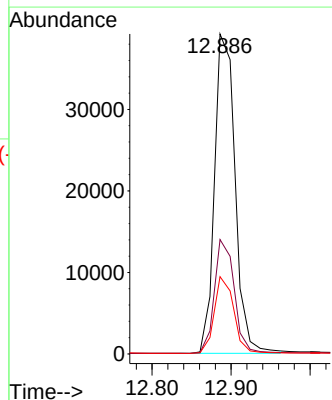
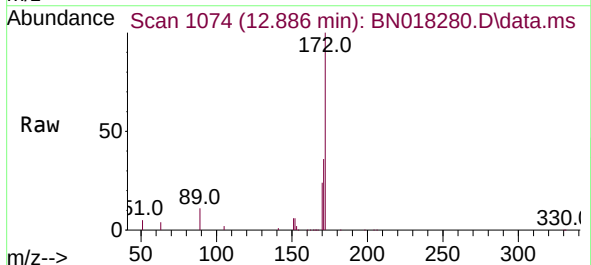
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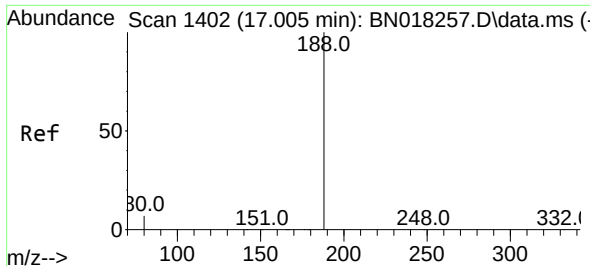
Tgt Ion:330 Resp: 59
 Ion Ratio Lower Upper
 330 100
 332 0.0 0.0 0.0
 141 2366.1 21.3 31.9#



#15
 2-Fluorobiphenyl
 Concen: 0.258 ng
 RT: 12.886 min Scan# 1074
 Delta R.T. -0.013 min
 Lab File: BN018280.D
 Acq: 30 Dec 2021 03:50

Tgt Ion:172 Resp: 70875
 Ion Ratio Lower Upper
 172 100
 171 35.7 27.4 41.0
 170 24.2 18.4 27.6

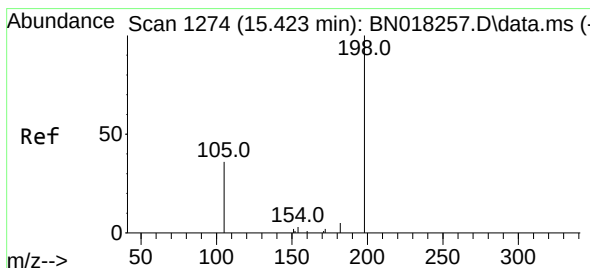
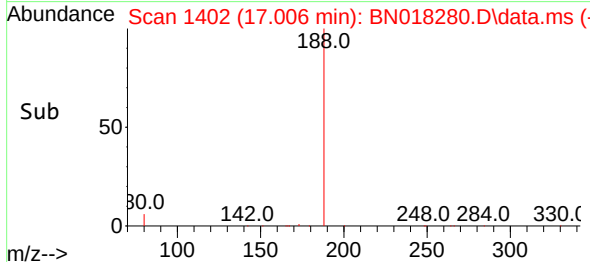
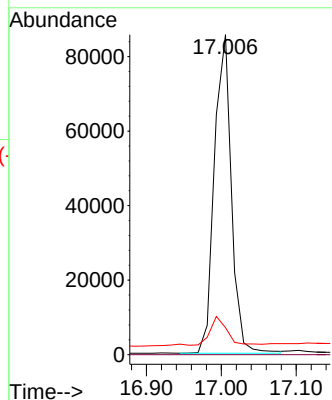
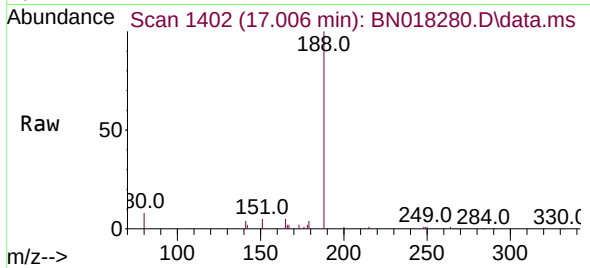




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.006 min Scan# 1402
Delta R.T. 0.001 min
Lab File: BN018280.D
Acq: 30 Dec 2021 03:50

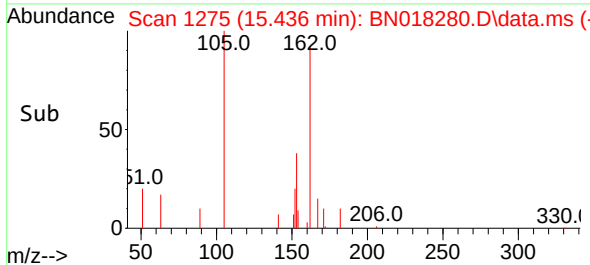
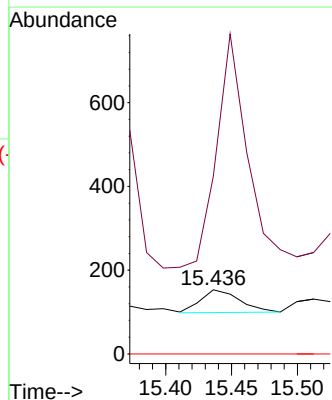
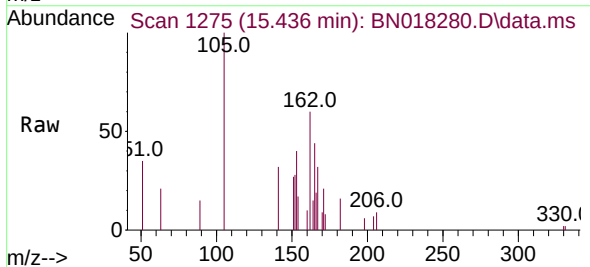
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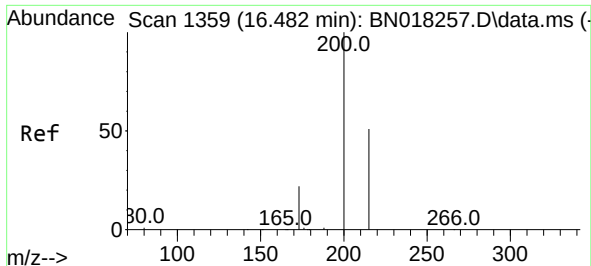
Tgt Ion:188 Resp: 134673
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 8.4 7.0 10.4



#20
4,6-Dinitro-2-methylphenol
Concen: 0.244 ng
RT: 15.436 min Scan# 1275
Delta R.T. 0.013 min
Lab File: BN018280.D
Acq: 30 Dec 2021 03:50

Tgt Ion:198 Resp: 113
Ion Ratio Lower Upper
198 100
182 277.1 15.5 23.3#
77 0.0 0.0 0.0

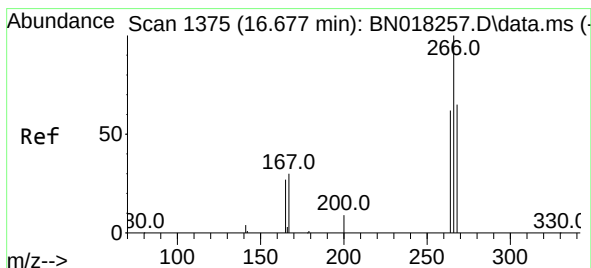
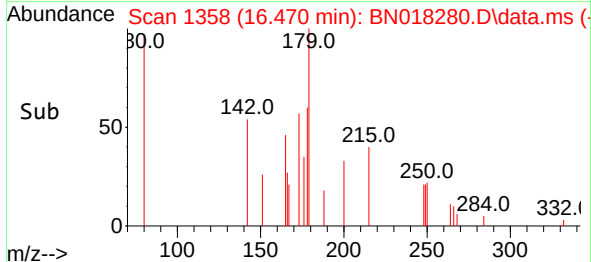
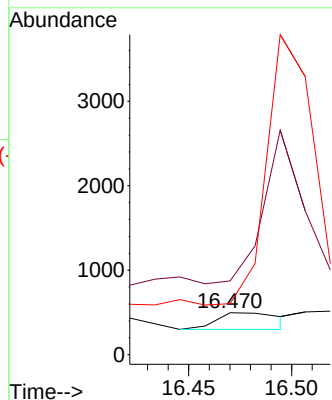
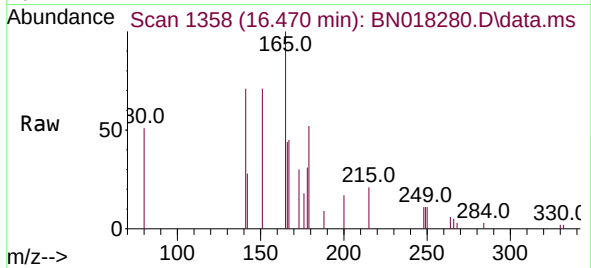




#23
 Atrazine
 Concen: 0.141 ng
 RT: 16.470 min Scan# 1358
 Delta R.T. -0.012 min
 Lab File: BN018280.D
 Acq: 30 Dec 2021 03:50

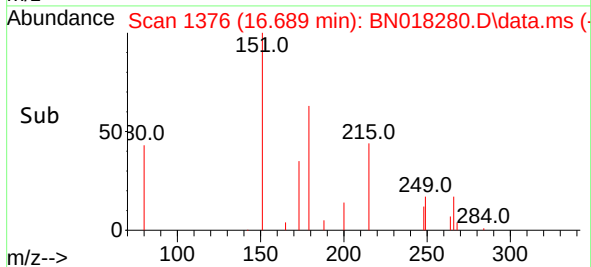
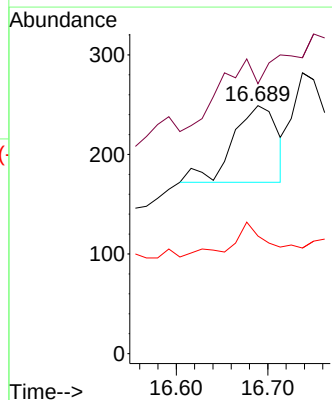
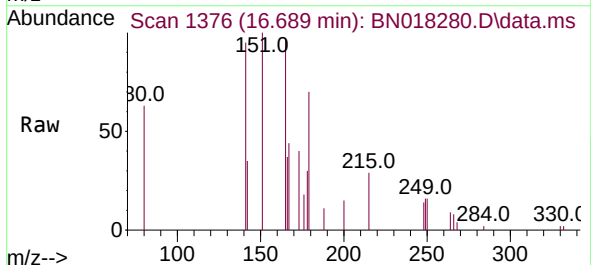
Instrument :
 BNA_N
 ClientSampleId :
 OB-CS-08

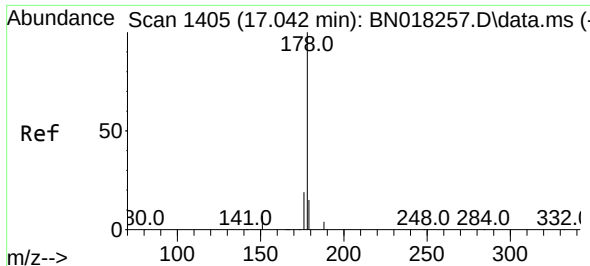
Tgt Ion:200 Resp: 424
 Ion Ratio Lower Upper
 200 100
 173 175.9 20.3 30.5#
 215 121.5 40.4 60.6#



#24
 Pentachlorophenol
 Concen: 0.198 ng
 RT: 16.689 min Scan# 1376
 Delta R.T. 0.012 min
 Lab File: BN018280.D
 Acq: 30 Dec 2021 03:50

Tgt Ion:266 Resp: 261
 Ion Ratio Lower Upper
 266 100
 264 80.5 49.5 74.3#
 268 33.0 50.6 76.0#

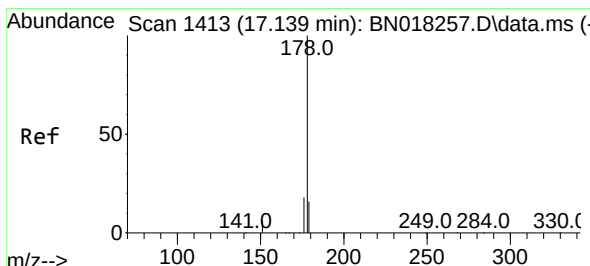
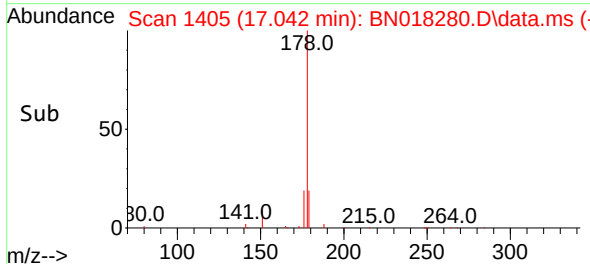
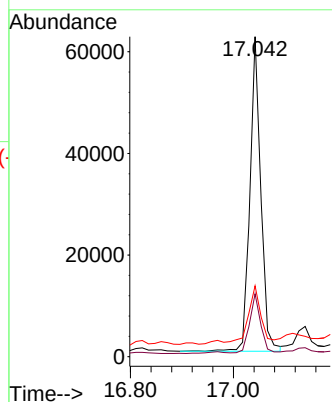
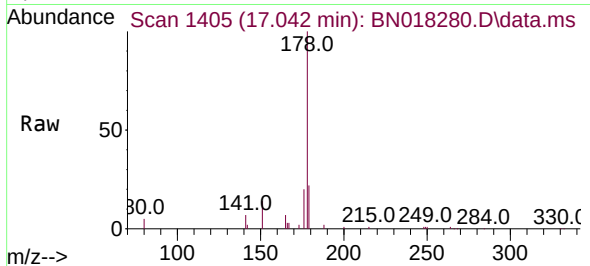




#25
Phenanthrene
Concen: 0.258 ng
RT: 17.042 min Scan# 1405
Delta R.T. 0.000 min
Lab File: BN018280.D
Acq: 30 Dec 2021 03:50

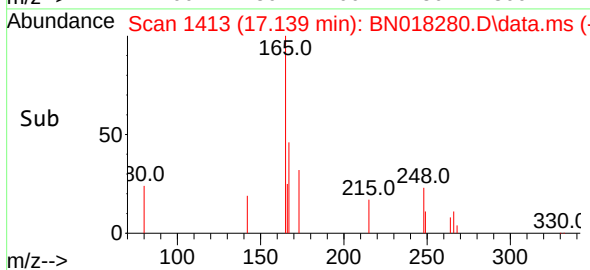
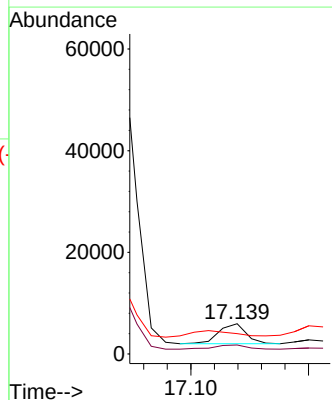
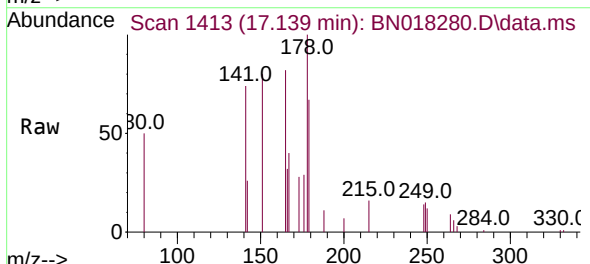
Instrument :
BNA_N
ClientSampleId :
OB-CS-08

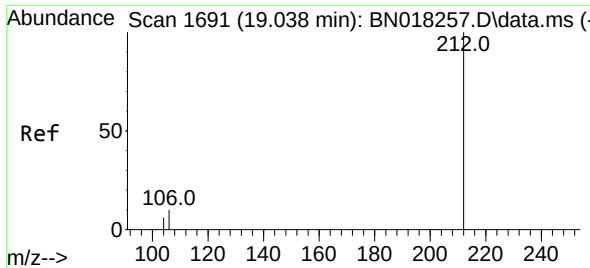
Tgt Ion:178 Resp: 91438
Ion Ratio Lower Upper
178 100
176 18.9 15.3 22.9
179 19.3 12.3 18.5#



#26
Anthracene
Concen: 0.062 ng
RT: 17.139 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BN018280.D
Acq: 30 Dec 2021 03:50

Tgt Ion:178 Resp: 6383
Ion Ratio Lower Upper
178 100
176 24.6 14.8 22.2#
179 0.0 12.2 18.4#

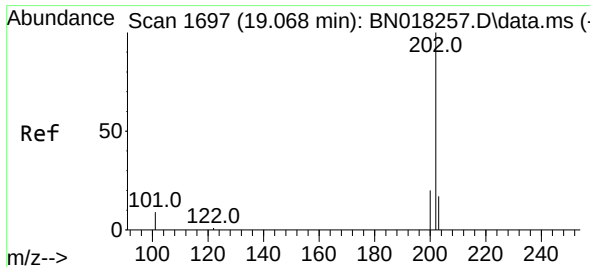
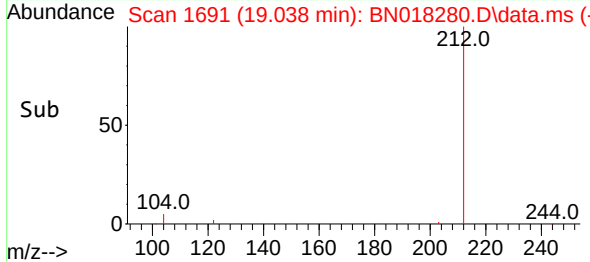
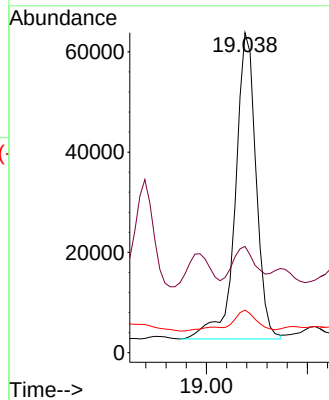
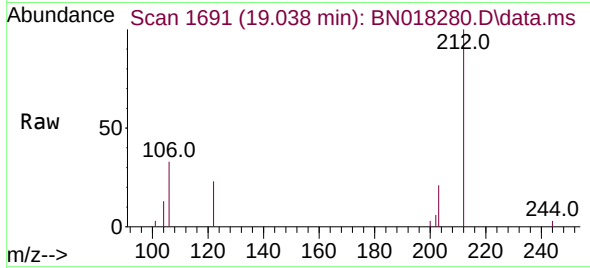




#27
Fluoranthene-d10
Concen: 0.203 ng
RT: 19.038 min Scan# 1691
Delta R.T. 0.000 min
Lab File: BN018280.D
Acq: 30 Dec 2021 03:50

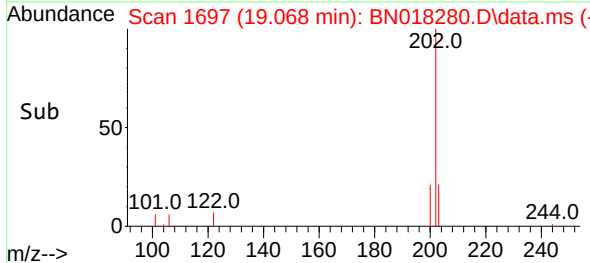
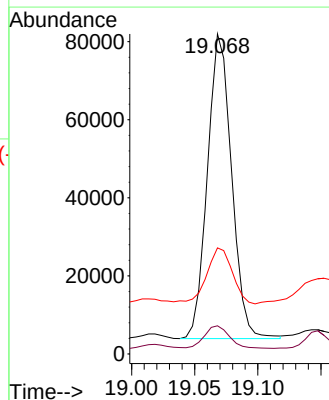
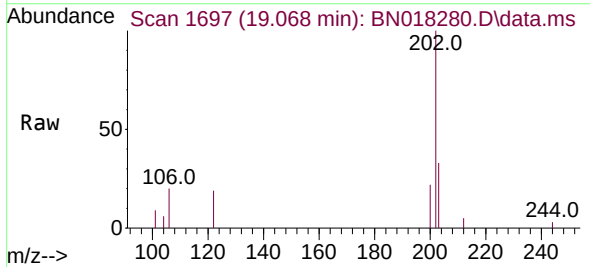
Instrument :
BNA_N
ClientSampleId :
OB-CS-08

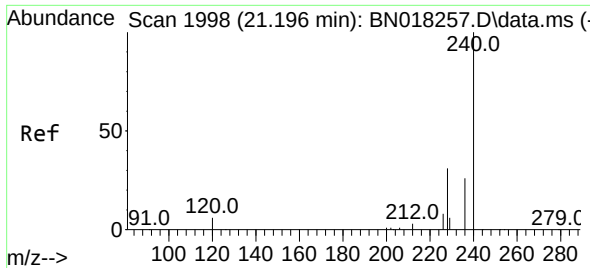
Tgt Ion:212 Resp: 87099
Ion Ratio Lower Upper
212 100
106 12.5 8.4 12.6
104 8.4 4.5 6.7#



#28
Fluoranthene
Concen: 0.250 ng
RT: 19.068 min Scan# 1697
Delta R.T. 0.000 min
Lab File: BN018280.D
Acq: 30 Dec 2021 03:50

Tgt Ion:202 Resp: 104075
Ion Ratio Lower Upper
202 100
101 7.5 7.2 10.8
203 19.0 13.7 20.5





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.206 min Scan# 1999

Delta R.T. 0.010 min

Lab File: BN018280.D

Acq: 30 Dec 2021 03:50

Instrument :

BNA_N

ClientSampleId :

OB-CS-08

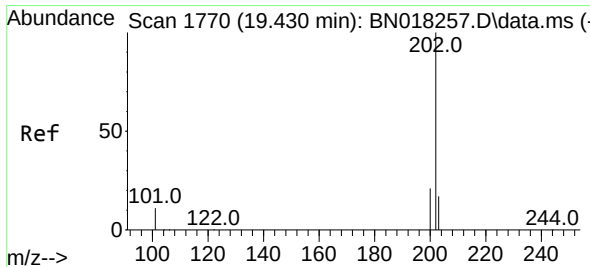
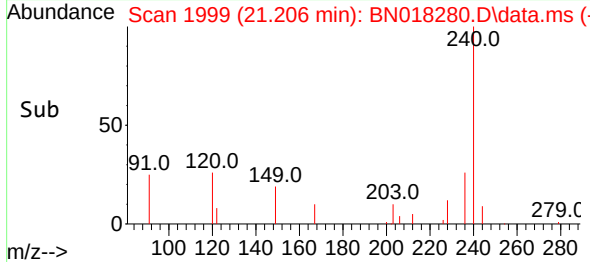
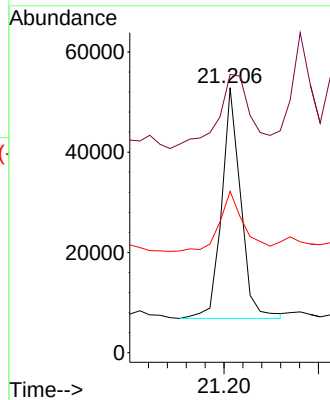
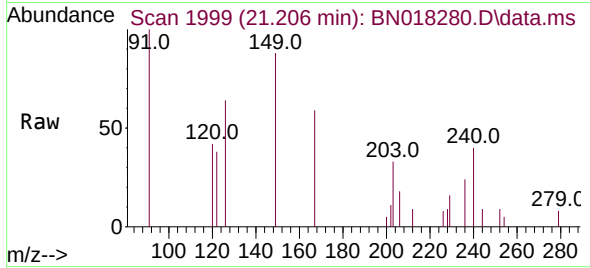
Tgt Ion:240 Resp: 64540

Ion Ratio Lower Upper

240 100

120 105.0 6.0 9.0#

236 60.9 21.4 32.2#



#30

Pyrene

Concen: 0.414 ng

RT: 19.430 min Scan# 1770

Delta R.T. 0.000 min

Lab File: BN018280.D

Acq: 30 Dec 2021 03:50

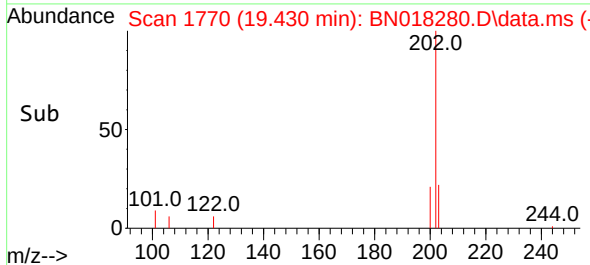
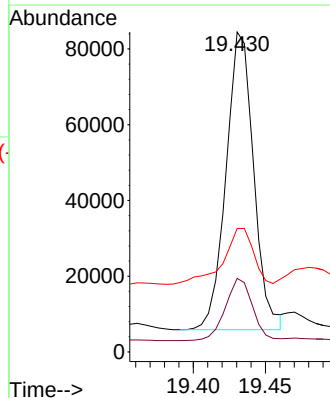
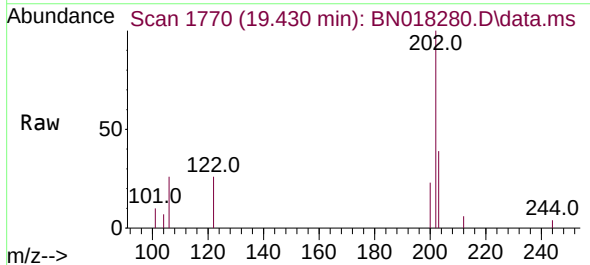
Tgt Ion:202 Resp: 104815

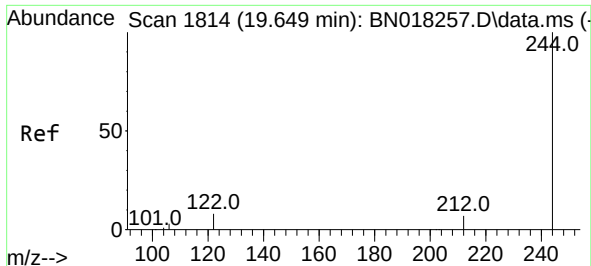
Ion Ratio Lower Upper

202 100

200 20.6 16.6 25.0

203 20.3 14.1 21.1

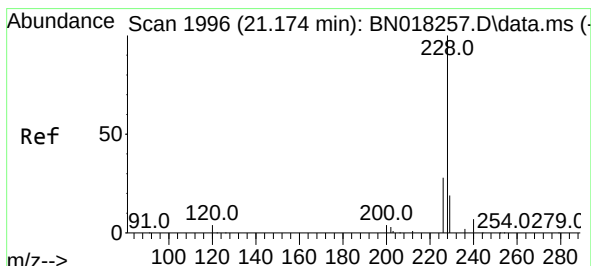
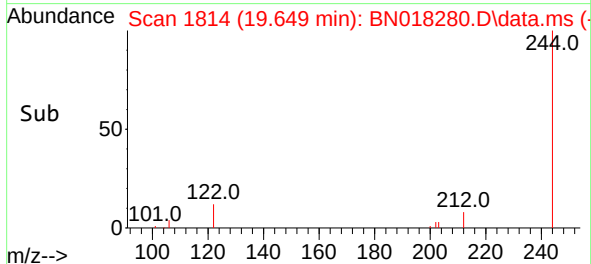
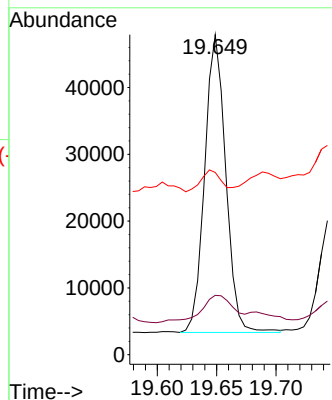
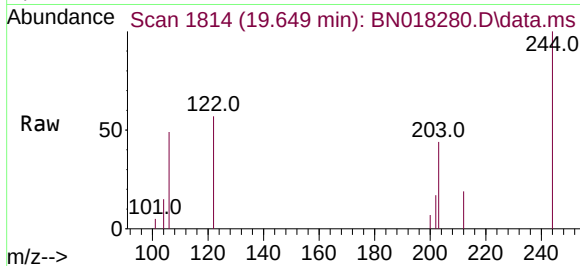




#31
 Terphenyl-d14
 Concen: 0.335 ng
 RT: 19.649 min Scan# 1814
 Delta R.T. 0.000 min
 Lab File: BN018280.D
 Acq: 30 Dec 2021 03:50

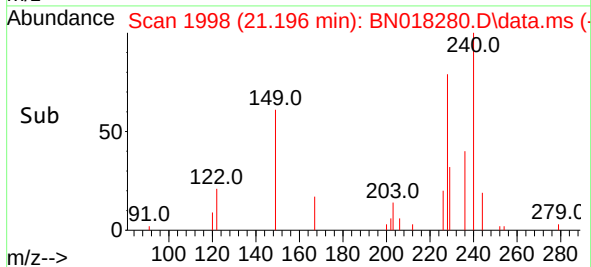
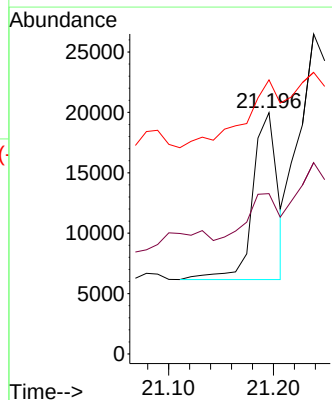
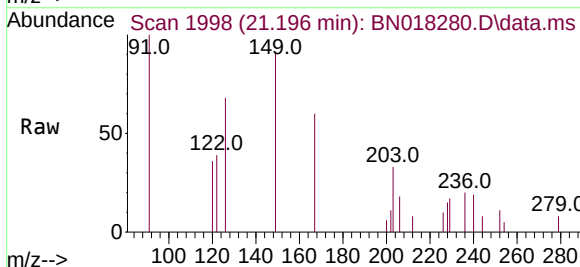
Instrument :
 BNA_N
 ClientSampleId :
 OB-CS-08

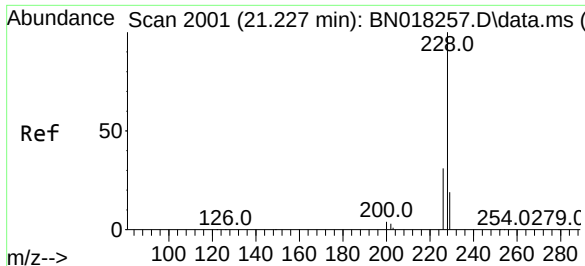
Tgt Ion:244 Resp: 55009
 Ion Ratio Lower Upper
 244 100
 212 18.6 6.2 9.2#
 122 56.9 7.9 11.9#



#32
 Benzo(a)anthracene
 Concen: 0.165 ng
 RT: 21.196 min Scan# 1998
 Delta R.T. 0.022 min
 Lab File: BN018280.D
 Acq: 30 Dec 2021 03:50

Tgt Ion:228 Resp: 22710
 Ion Ratio Lower Upper
 228 100
 226 66.4 21.3 31.9#
 229 113.5 15.9 23.9#





#33

Chrysene

Concen: 0.192 ng

RT: 21.238 min Scan# 2001

Delta R.T. 0.011 min

Lab File: BN018280.D

Acq: 30 Dec 2021 03:50

Instrument :

BNA_N

ClientSampleId :

OB-CS-08

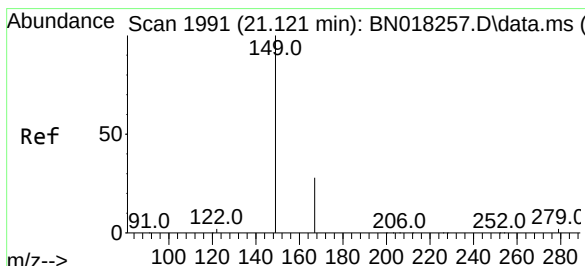
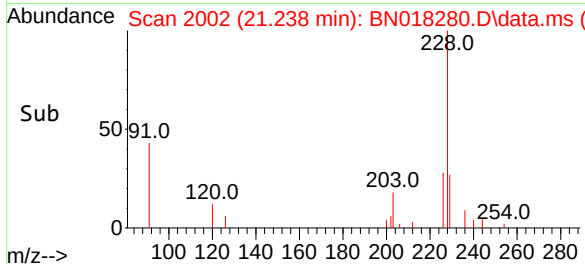
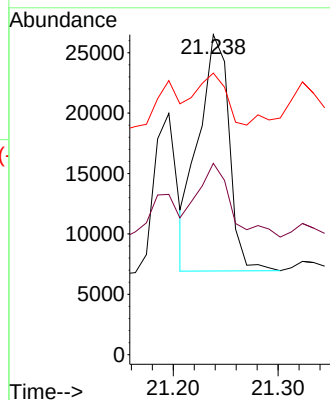
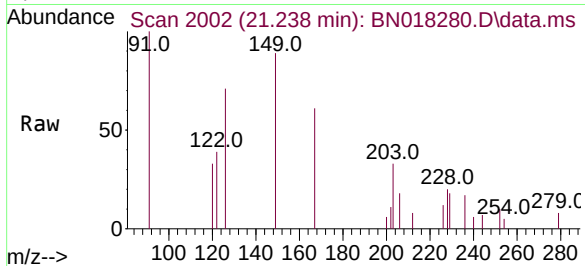
Tgt Ion:228 Resp: 39854

Ion Ratio Lower Upper

228 100

226 59.8 24.2 36.4#

229 88.0 15.5 23.3#



#34

Bis(2-ethylhexyl)phthalate

Concen: 8.375 ng

RT: 21.143 min Scan# 1993

Delta R.T. 0.021 min

Lab File: BN018280.D

Acq: 30 Dec 2021 03:50

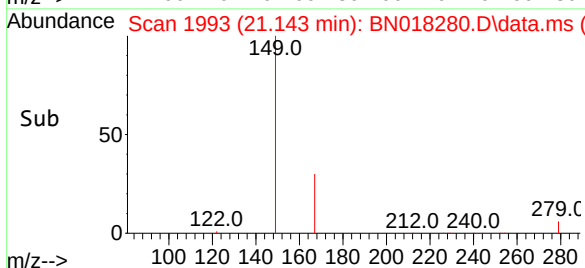
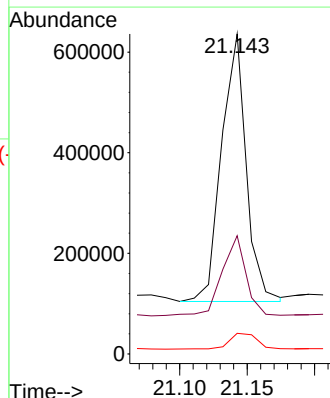
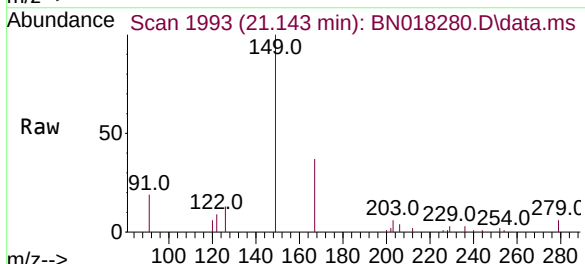
Tgt Ion:149 Resp: 674694

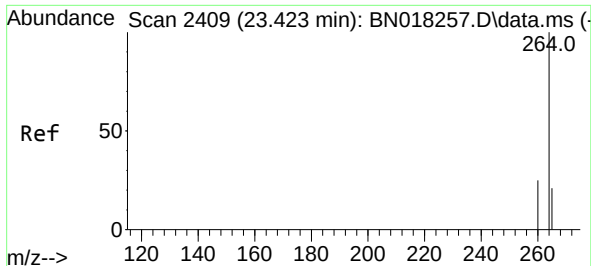
Ion Ratio Lower Upper

149 100

167 29.3 23.7 35.5

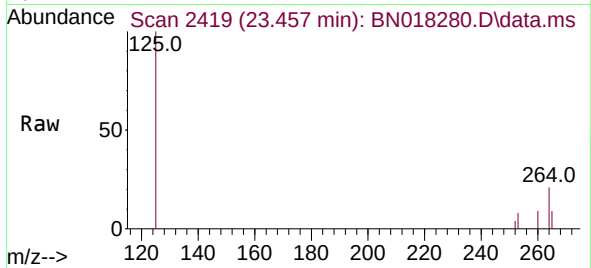
279 6.8 3.6 5.4#



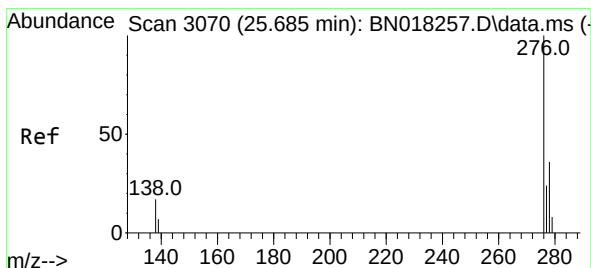
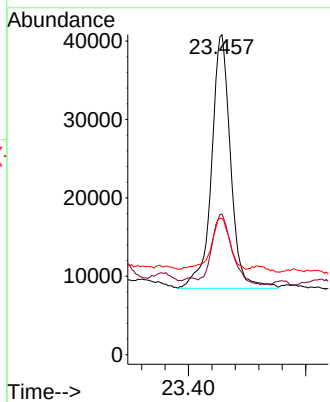
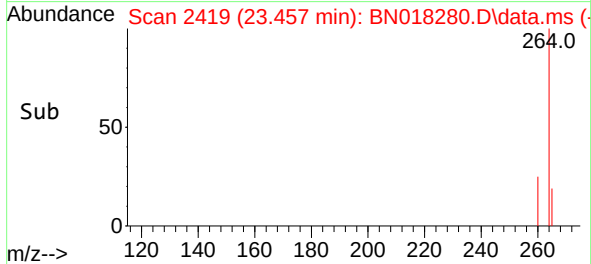


#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.457 min Scan# 2419
 Delta R.T. 0.034 min
 Lab File: BN018280.D
 Acq: 30 Dec 2021 03:50

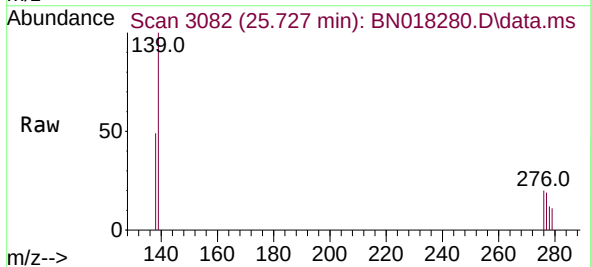
Instrument :
 BNA_N
 ClientSampleId :
 OB-CS-08



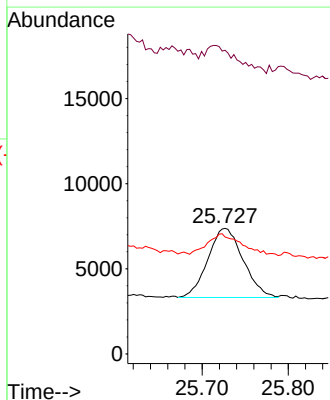
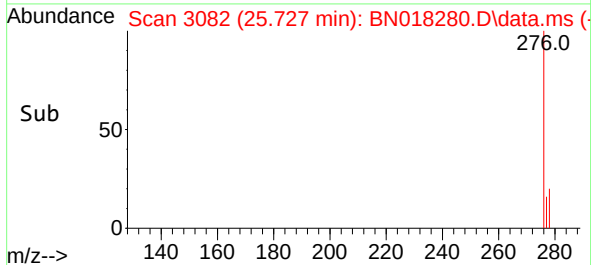
Tgt Ion:264 Resp: 73237
 Ion Ratio Lower Upper
 264 100
 260 43.9 20.2 30.4#
 265 42.6 18.2 27.2#

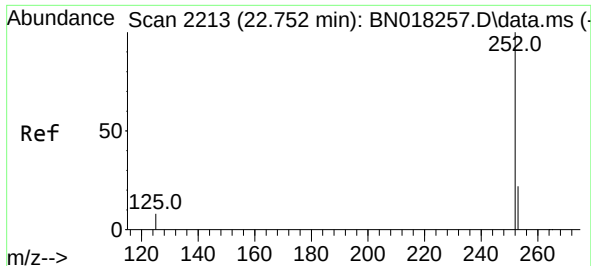


#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.066 ng
 RT: 25.727 min Scan# 3082
 Delta R.T. 0.041 min
 Lab File: BN018280.D
 Acq: 30 Dec 2021 03:50



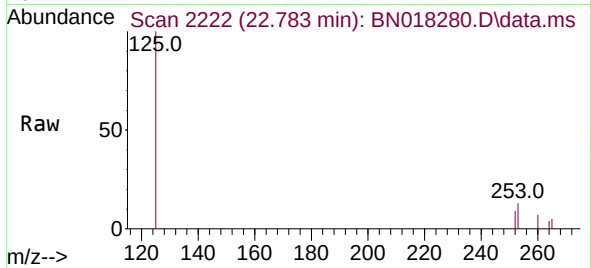
Tgt Ion:276 Resp: 11560
 Ion Ratio Lower Upper
 276 100
 138 33.3 14.9 22.3#
 277 31.6 19.9 29.9#



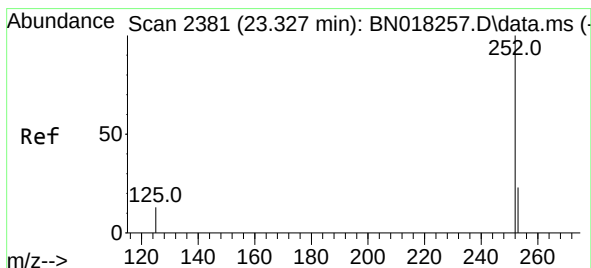
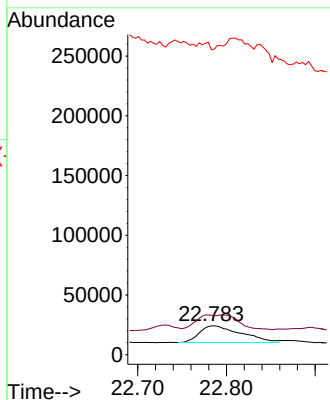
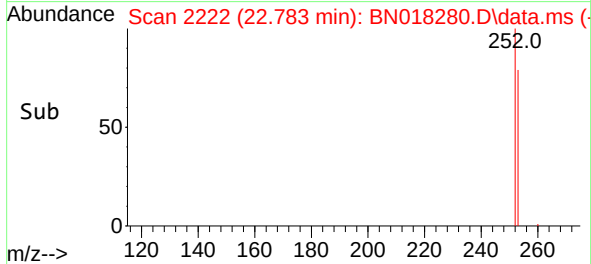


#37
Benzo(b)fluoranthene
Concen: 0.198 ng
RT: 22.783 min Scan# 21
Delta R.T. 0.031 min
Lab File: BN018280.D
Acq: 30 Dec 2021 03:50

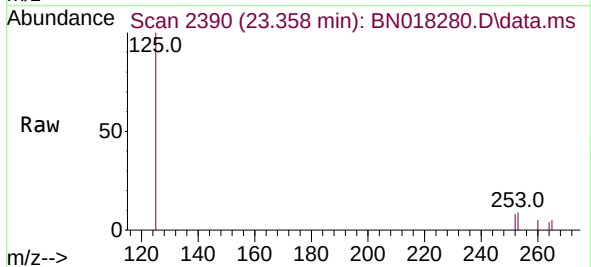
Instrument :
BNA_N
ClientSampleId :
OB-CS-08



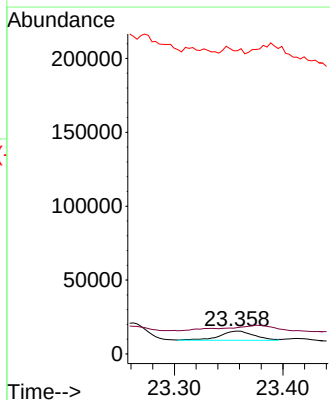
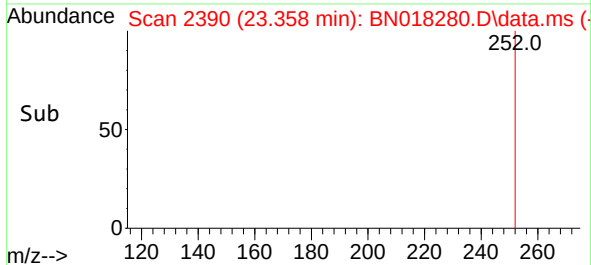
Tgt Ion:252 Resp: 46006
Ion Ratio Lower Upper
252 100
253 137.0 17.8 26.6#
125 1057.0 6.0 9.0#

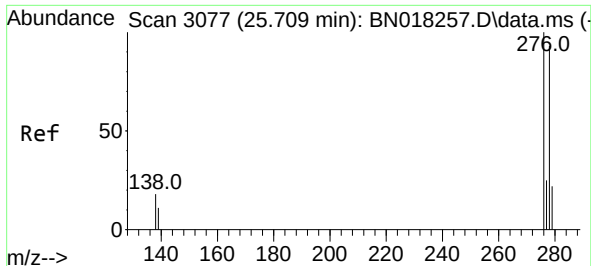


#39
Benzo(a)pyrene
Concen: 0.069 ng
RT: 23.358 min Scan# 2390
Delta R.T. 0.031 min
Lab File: BN018280.D
Acq: 30 Dec 2021 03:50



Tgt Ion:252 Resp: 13874
Ion Ratio Lower Upper
252 100
253 115.4 17.8 26.6#
125 1324.4 7.0 10.4#

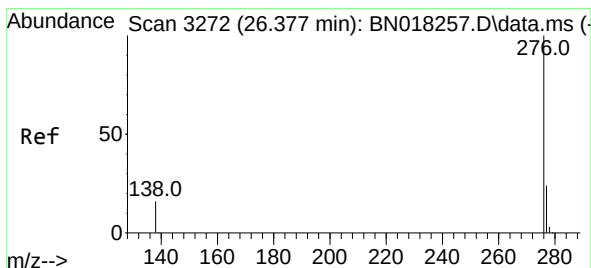
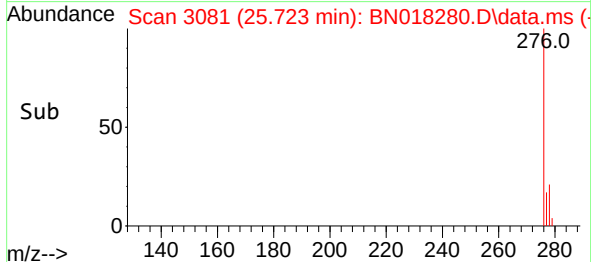
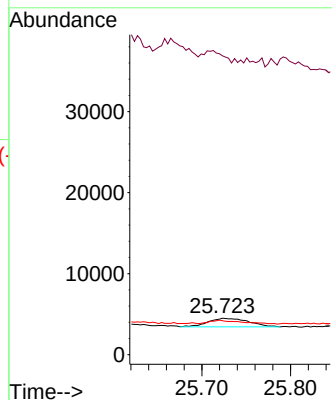
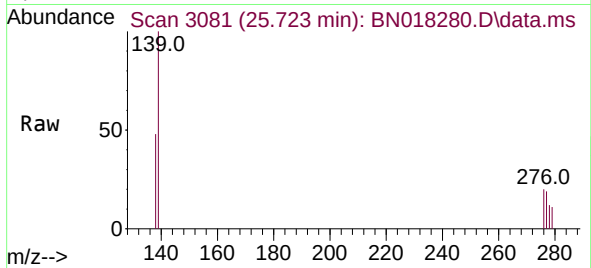




#40
Dibenzo(a,h)anthracene
Concen: 0.027 ng
RT: 25.723 min Scan# 3077
Delta R.T. 0.014 min
Lab File: BN018280.D
Acq: 30 Dec 2021 03:50

Instrument :
BNA_N
ClientSampleId :
OB-CS-08

Tgt Ion:278 Resp: 3390
Ion Ratio Lower Upper
278 100
139 818.5 10.8 16.2#
279 92.9 19.0 28.4#



#41
Benzo(g,h,i)perylene
Concen: 0.098 ng
RT: 26.421 min Scan# 3285
Delta R.T. 0.045 min
Lab File: BN018280.D
Acq: 30 Dec 2021 03:50

Tgt Ion:276 Resp: 17155
Ion Ratio Lower Upper
276 100
277 76.5 19.0 28.6#
138 161.1 12.6 19.0#

