

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN122921\
 Data File : BN018281.D
 Acq On : 30 Dec 2021 04:26
 Operator : CG/JU
 Sample : M5107-09
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 OB-CS-09

Quant Time: Dec 30 05:00:25 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)

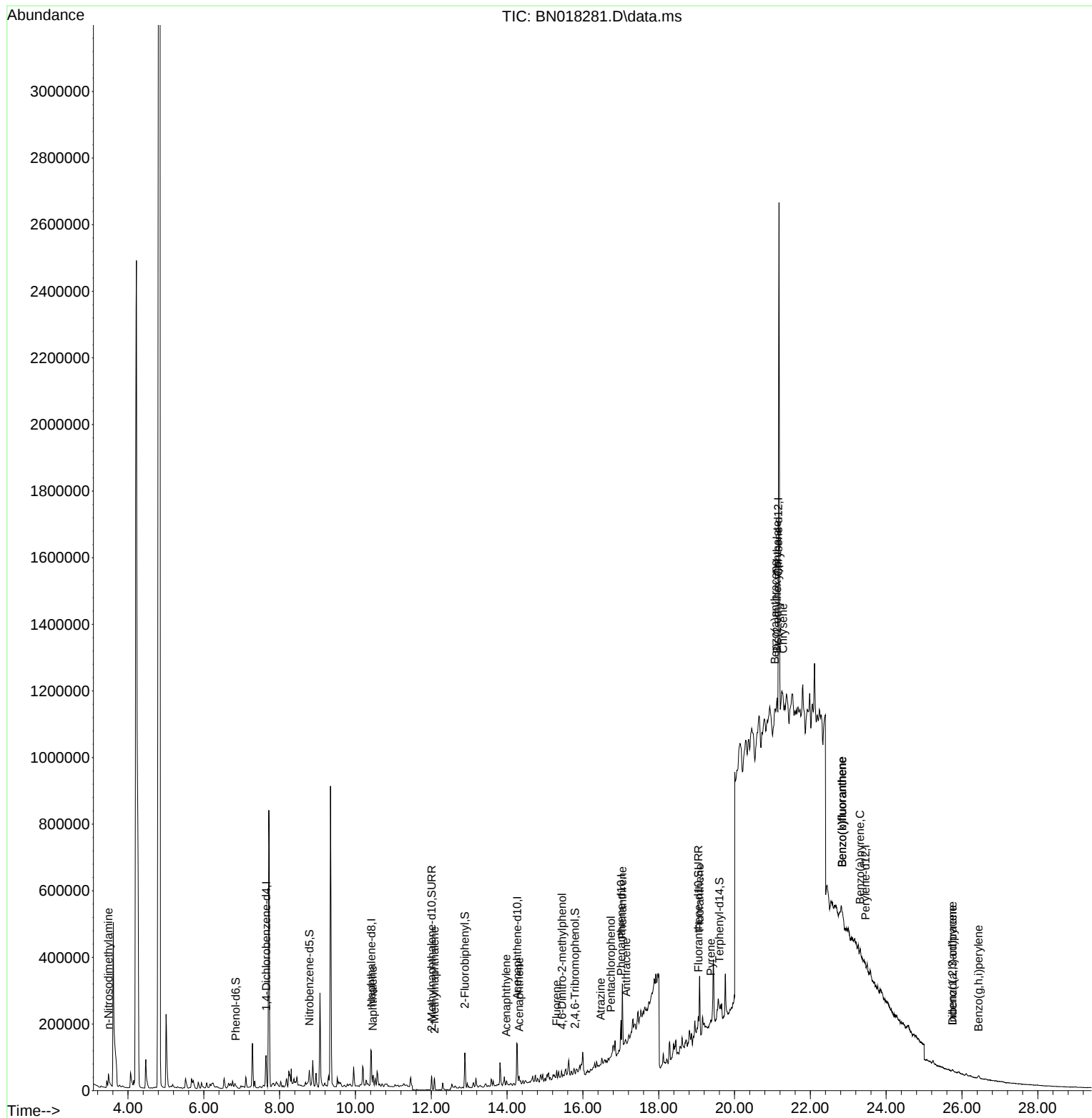
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.643	152	25539	0.400	ng	0.00
7) Naphthalene-d8	10.419	136	111160	0.400	ng	# 0.00
13) Acenaphthene-d10	14.269	164	76107	0.400	ng	0.00
19) Phenanthrene-d10	17.006	188	126525	0.400	ng	# 0.00
29) Chrysene-d12	21.153	240	7816	0.400	ng	#-0.04
35) Perylene-d12	23.454	264	6363	0.400	ng	# 0.03
System Monitoring Compounds						
4) 2-Fluorophenol	5.273	112	408	0.008	ng	0.03
5) Phenol-d6	6.840	99	3011	0.061	ng	0.00
8) Nitrobenzene-d5	8.785	82	28247	0.480	ng	0.00
11) 2-Methylnaphthalene-d10	12.007	152	57134	0.306	ng	0.00
14) 2,4,6-Tribromophenol	15.791	330	227	0.310	ng	0.03
15) 2-Fluorobiphenyl	12.886	172	86171	0.299	ng	-0.01
27) Fluoranthene-d10	19.048	212	74076	0.184	ng	0.01
31) Terphenyl-d14	19.599	244	1646	0.083	ng	-0.05
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.484	42	13964	0.666	ng	# 1
9) Naphthalene	10.458	128	48845	0.178	ng	97
12) 2-Methylnaphthalene	12.083	142	25111	0.143	ng	97
16) Acenaphthylene	13.977	152	10897	0.041	ng	# 74
17) Acenaphthene	14.320	154	4256	0.022	ng	# 83
18) Fluorene	15.309	166	9461	0.041	ng	# 48
20) 4,6-Dinitro-2-methylph...	15.449	198	540	0.406	ng	# 1
23) Atrazine	16.470	200	1921	0.165	ng	# 1
24) Pentachlorophenol	16.738	266	2194	0.359	ng	# 19
25) Phenanthrene	17.042	178	188545	0.565	ng	# 91
26) Anthracene	17.139	178	12256	0.083	ng	# 70
28) Fluoranthene	19.078	202	156965	0.402	ng	# 94
30) Pyrene	19.376	202	12363	0.403	ng	# 86
32) Benzo(a)anthracene	21.068	228	6911	0.330	ng	# 1
33) Chrysene	21.281	228	86240	3.427	ng	# 1
34) Bis(2-ethylhexyl)phtha...	21.121	149	149963	15.371	ng	# 51
36) Indeno(1,2,3-cd)pyrene	25.751	276	9489	0.624	ng	# 68
37) Benzo(b)fluoranthene	22.838	252	76808	3.798	ng	# 1
38) Benzo(k)fluoranthene	22.838	252	49394	2.580	ng	# 1
39) Benzo(a)pyrene	23.313	252	28164	1.601	ng	# 1
40) Dibenzo(a,h)anthracene	25.751	278	3365	0.311	ng	# 1
41) Benzo(g,h,i)perylene	26.439	276	17190	1.134	ng	# 1

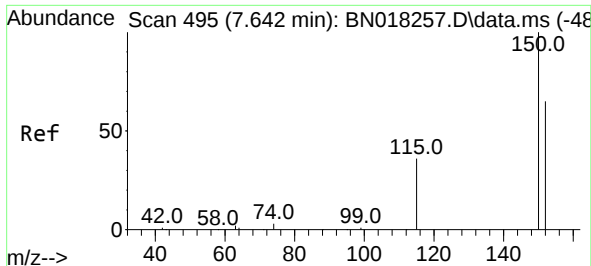
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN122921\
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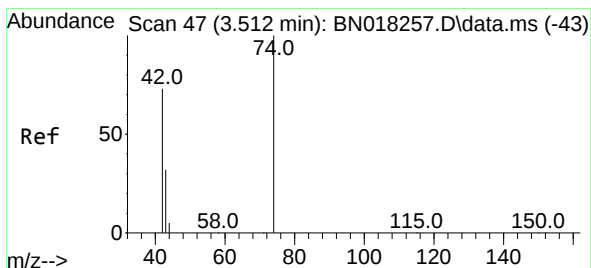
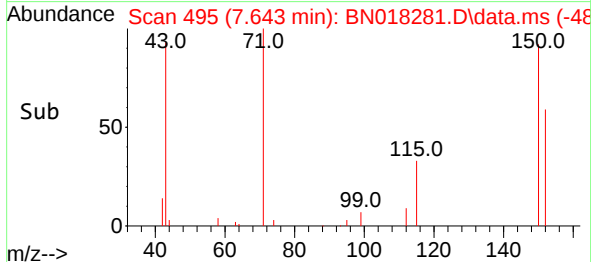
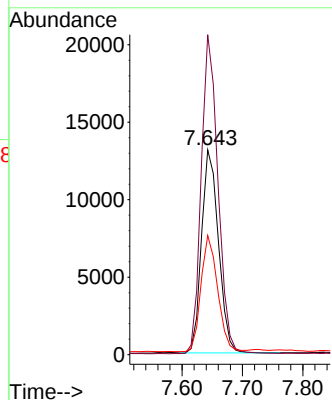
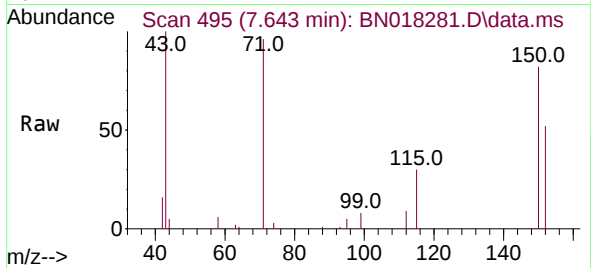




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.643 min Scan# 49
Delta R.T. 0.001 min
Lab File: BN018281.D
Acq: 30 Dec 2021 04:26

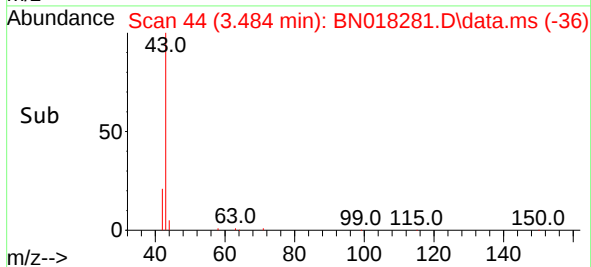
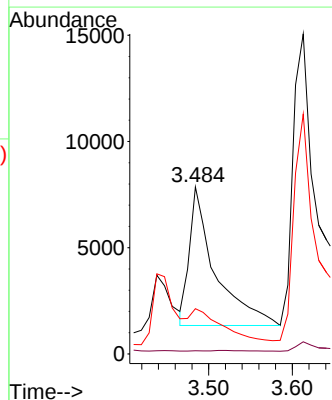
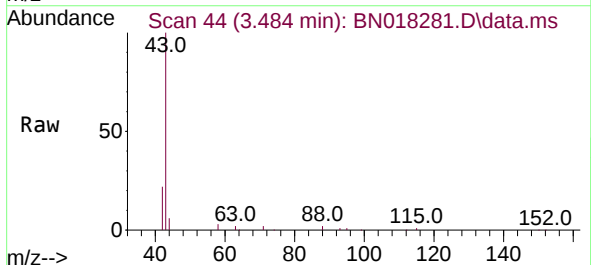
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OB-CS-09

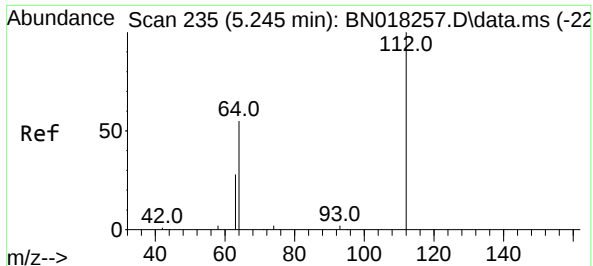
Tgt Ion:152 Resp: 25539
Ion Ratio Lower Upper
152 100
150 156.2 121.7 182.5
115 58.2 43.8 65.8



#3
n-Nitrosodimethylamine
Concen: 0.666 ng
RT: 3.484 min Scan# 44
Delta R.T. -0.027 min
Lab File: BN018281.D
Acq: 30 Dec 2021 04:26

Tgt Ion: 42 Resp: 13964
Ion Ratio Lower Upper
42 100
74 0.0 108.6 163.0#
44 0.0 5.8 8.8#

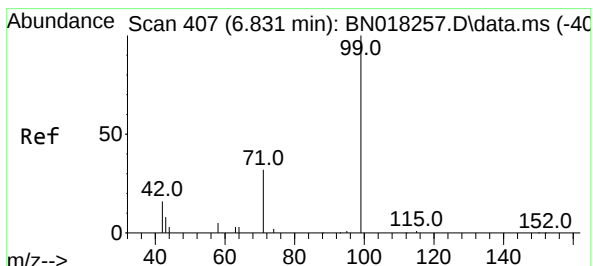
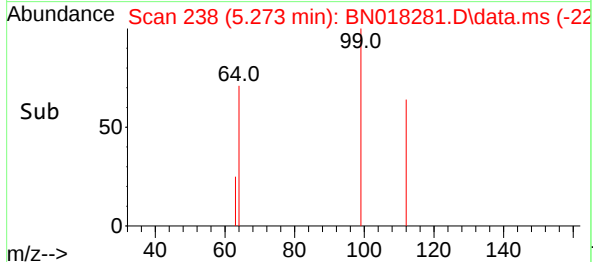
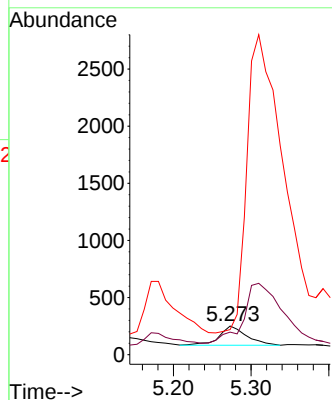
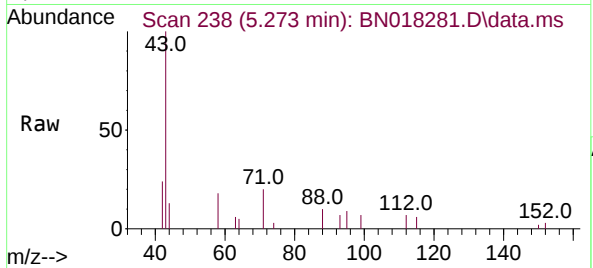




#4
2-Fluorophenol
Concen: 0.008 ng
RT: 5.273 min Scan# 21
Delta R.T. 0.028 min
Lab File: BN018281.D
Acq: 30 Dec 2021 04:26

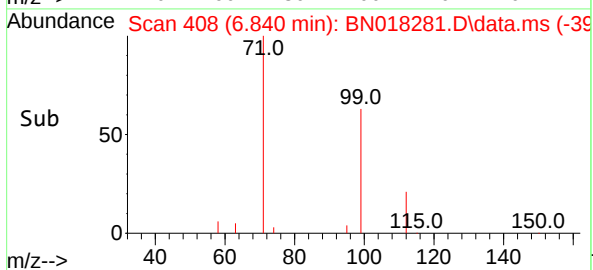
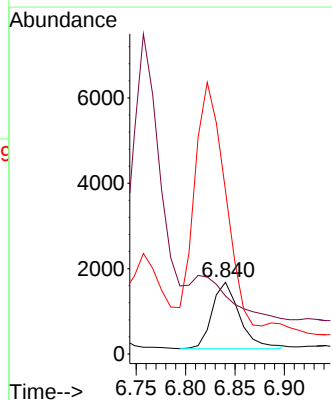
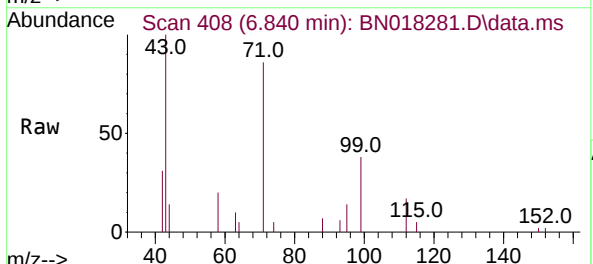
Instrument :
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ClientSampleId :
OB-CS-09

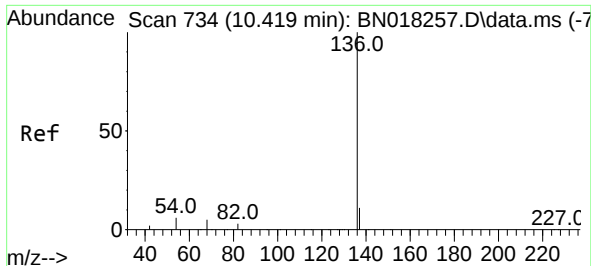
Tgt Ion:112 Resp: 408
Ion Ratio Lower Upper
112 100
64 0.0 48.0 72.0#
63 0.0 25.3 37.9#



#5
Phenol-d6
Concen: 0.061 ng
RT: 6.840 min Scan# 408
Delta R.T. 0.009 min
Lab File: BN018281.D
Acq: 30 Dec 2021 04:26

Tgt Ion: 99 Resp: 3011
Ion Ratio Lower Upper
99 100
42 0.0 16.3 24.5#
71 399.0 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: BN018281.D
Acq: 30 Dec 2021 04:26

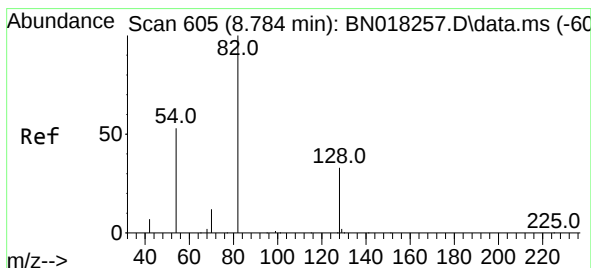
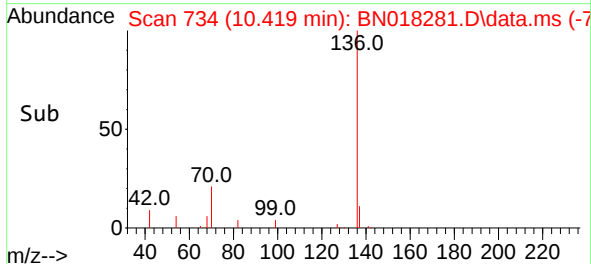
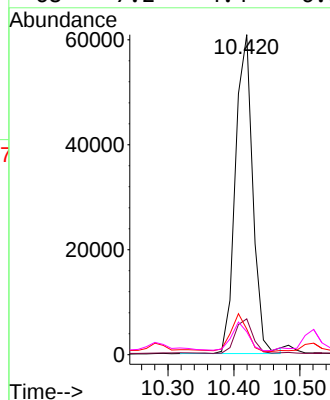
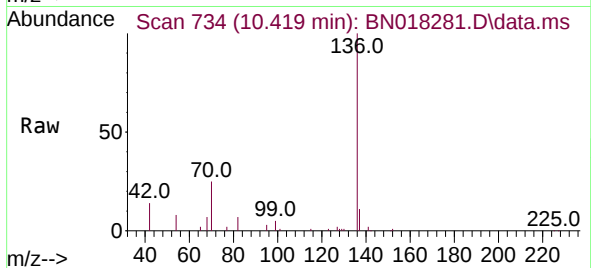
Instrument :

BNA_N

ClientSampleId :

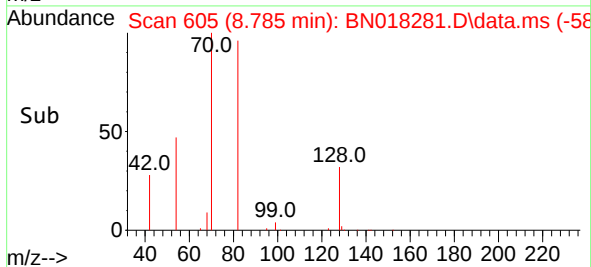
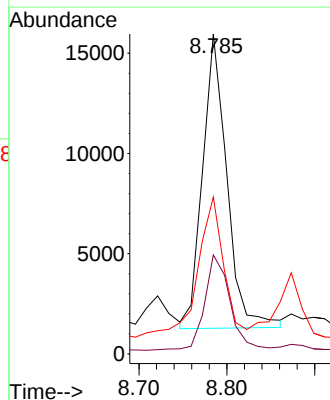
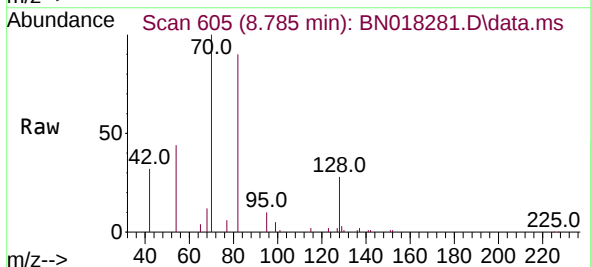
OB-CS-09

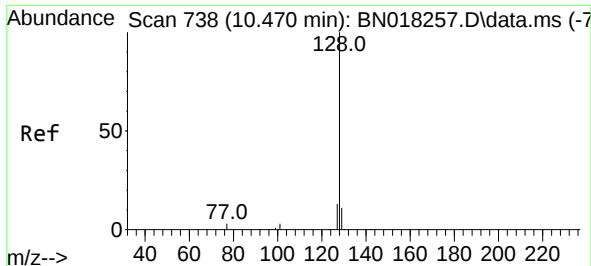
Tgt Ion:136 Resp: 111160
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 8.0 5.0 7.6#
68 7.2 4.4 6.6#



#8
Nitrobenzene-d5
Concen: 0.480 ng
RT: 8.785 min Scan# 605
Delta R.T. 0.001 min
Lab File: BN018281.D
Acq: 30 Dec 2021 04:26

Tgt Ion: 82 Resp: 28247
Ion Ratio Lower Upper
82 100
128 31.0 33.7 50.5#
54 49.1 36.6 55.0

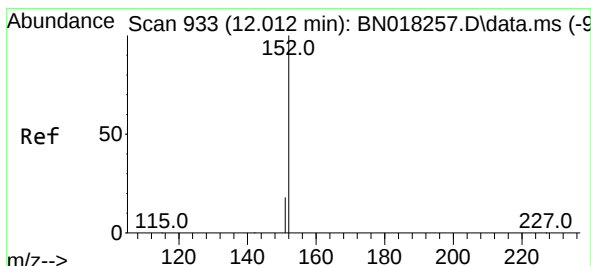
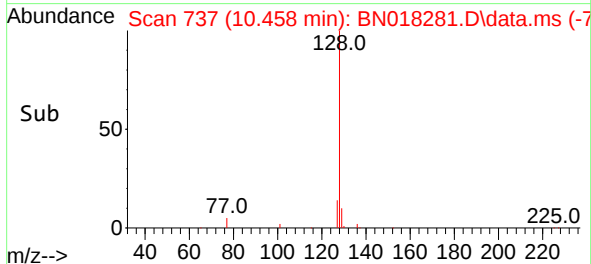
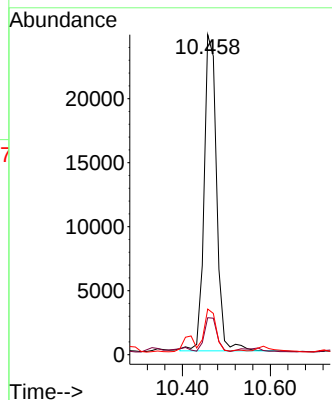
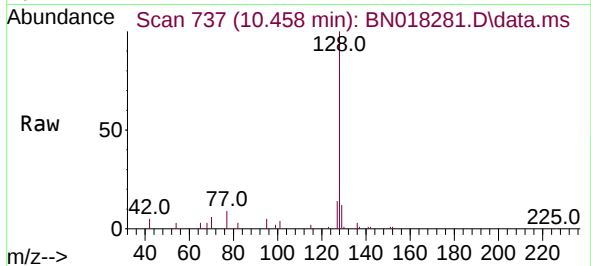




#9
Naphthalene
Concen: 0.178 ng
RT: 10.458 min Scan# 71
Delta R.T. -0.012 min
Lab File: BN018281.D
Acq: 30 Dec 2021 04:26

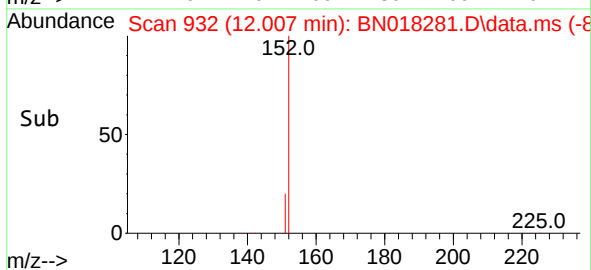
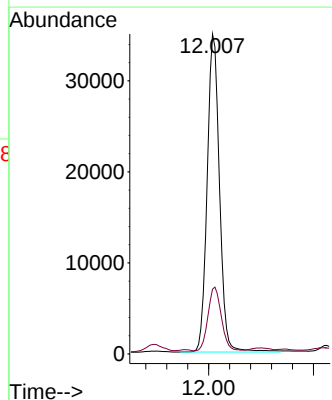
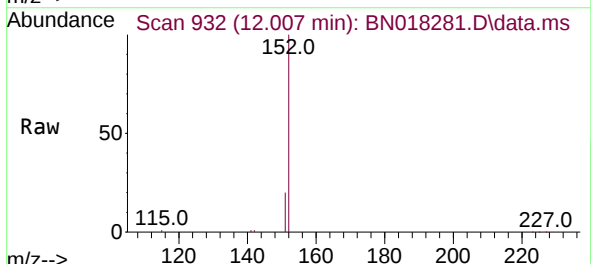
Instrument :
BNA_N
ClientSampleId :
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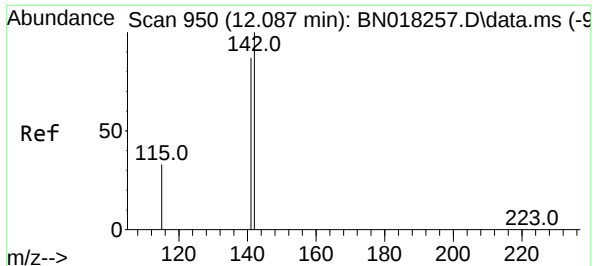
Tgt Ion:128 Resp: 48845
Ion Ratio Lower Upper
128 100
129 11.6 8.7 13.1
127 14.3 10.4 15.6



#11
2-Methylnaphthalene-d10
Concen: 0.306 ng
RT: 12.007 min Scan# 932
Delta R.T. -0.004 min
Lab File: BN018281.D
Acq: 30 Dec 2021 04:26

Tgt Ion:152 Resp: 57134
Ion Ratio Lower Upper
152 100
151 21.5 16.2 24.2





#12

2-Methylnaphthalene

Concen: 0.143 ng

RT: 12.083 min Scan# 949

Delta R.T. -0.004 min

Lab File: BN018281.D

Acq: 30 Dec 2021 04:26

Instrument :

BNA_N

ClientSampleId :

OB-CS-09

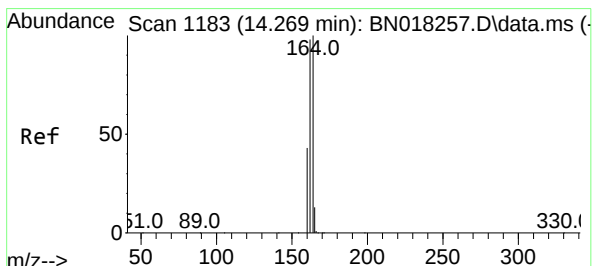
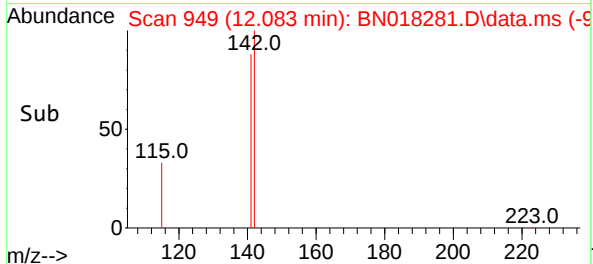
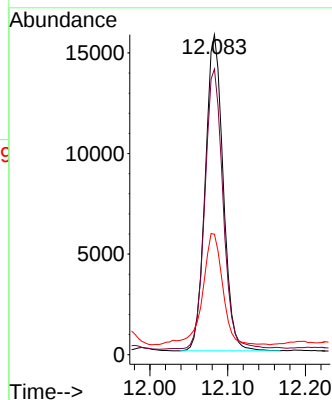
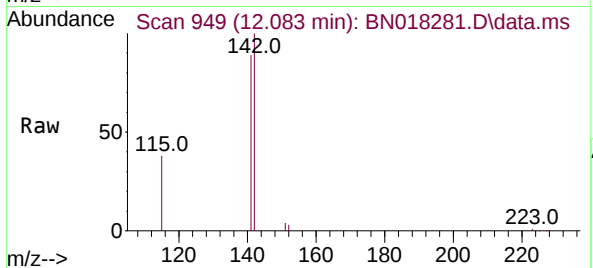
Tgt Ion:142 Resp: 25111

Ion Ratio Lower Upper

142 100

141 89.3 70.0 105.0

115 37.7 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: BN018281.D

Acq: 30 Dec 2021 04:26

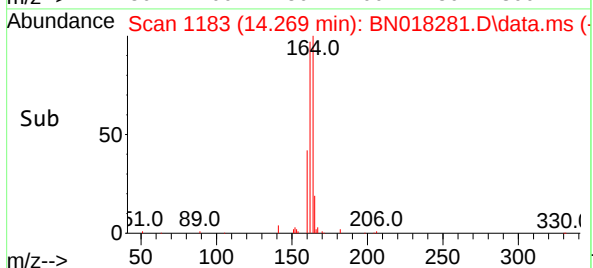
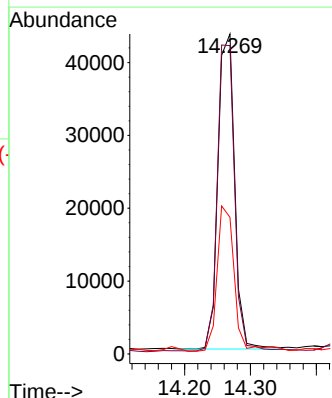
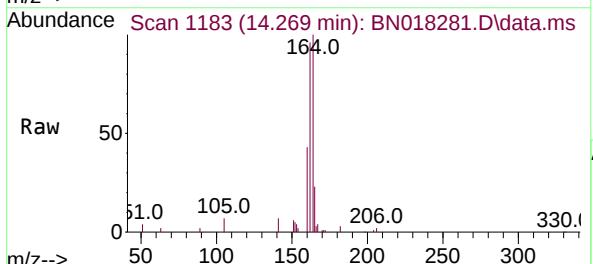
Tgt Ion:164 Resp: 76107

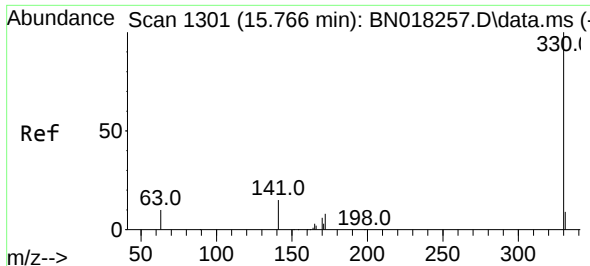
Ion Ratio Lower Upper

164 100

162 96.4 80.2 120.2

160 42.7 36.9 55.3

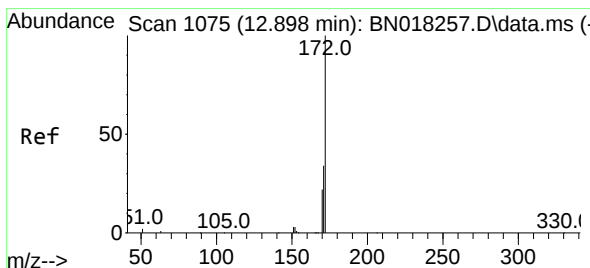
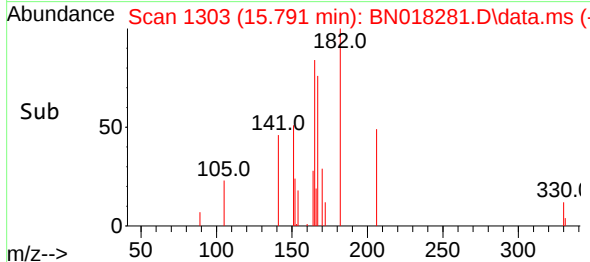
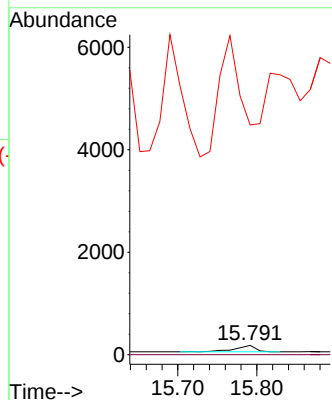
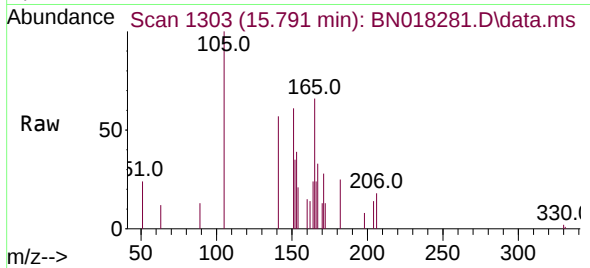




#14
 2,4,6-Tribromophenol
 Concen: 0.310 ng
 RT: 15.791 min Scan# 11
 Delta R.T. 0.025 min
 Lab File: BN018281.D
 Acq: 30 Dec 2021 04:26

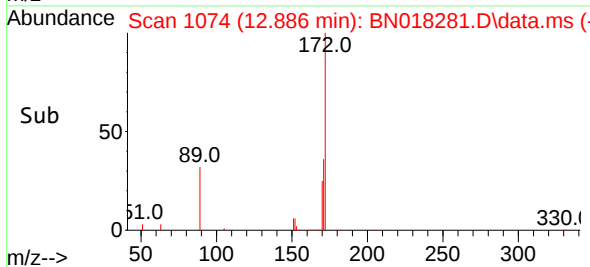
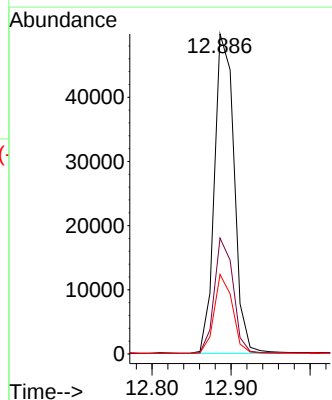
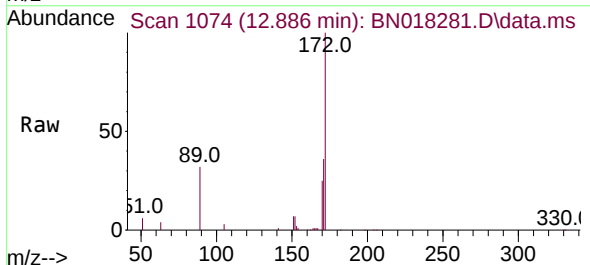
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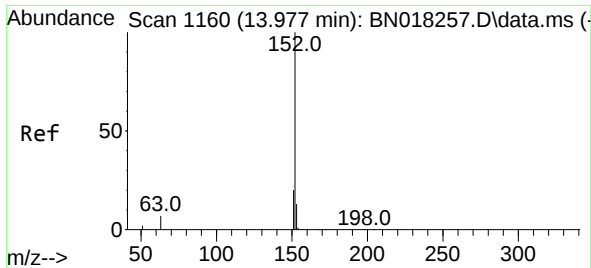
Tgt Ion:330 Resp: 227
 Ion Ratio Lower Upper
 330 100
 332 0.0 0.0 0.0
 141 0.0 21.3 31.9#



#15
 2-Fluorobiphenyl
 Concen: 0.299 ng
 RT: 12.886 min Scan# 1074
 Delta R.T. -0.012 min
 Lab File: BN018281.D
 Acq: 30 Dec 2021 04:26

Tgt Ion:172 Resp: 86171
 Ion Ratio Lower Upper
 172 100
 171 36.2 27.4 41.0
 170 24.9 18.4 27.6

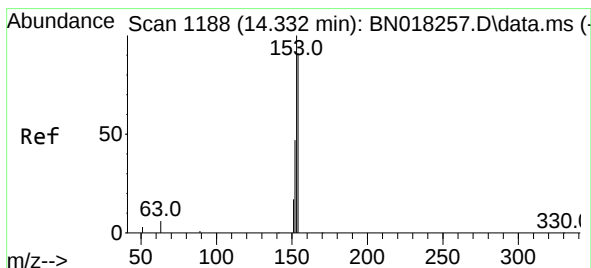
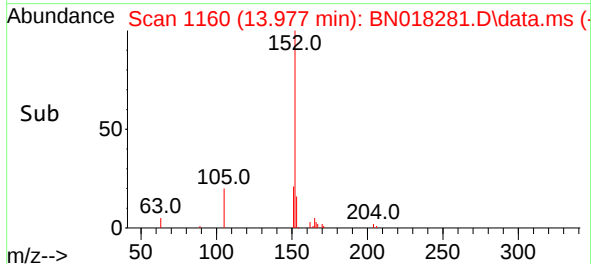
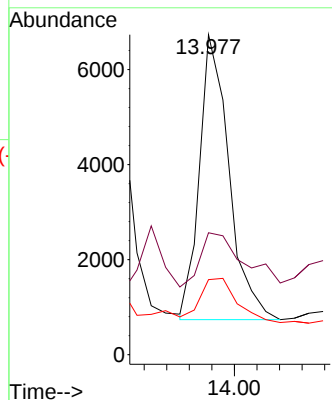
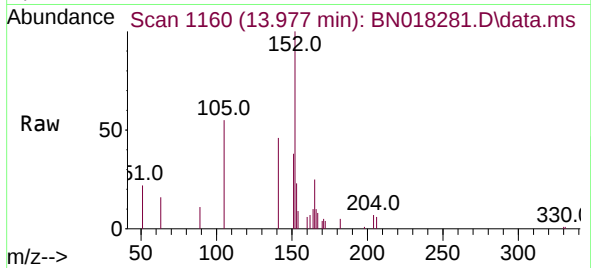




#16
Acenaphthylene
Concen: 0.041 ng
RT: 13.977 min Scan# 1160
Delta R.T. 0.000 min
Lab File: BN018281.D
Acq: 30 Dec 2021 04:26

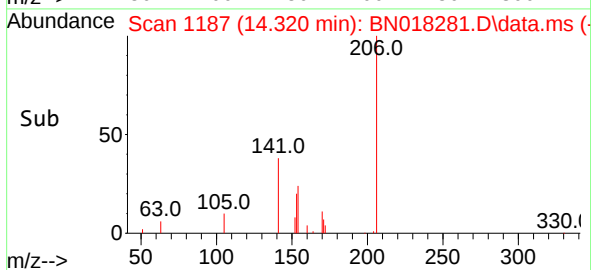
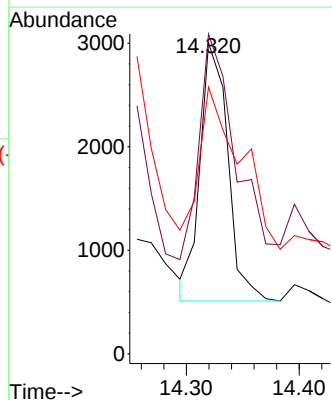
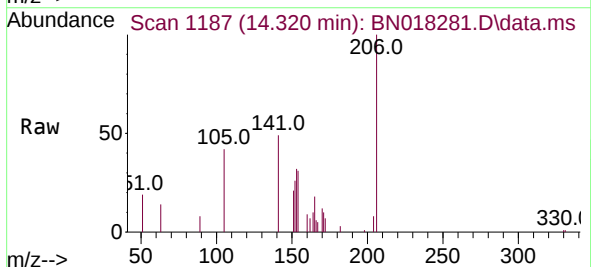
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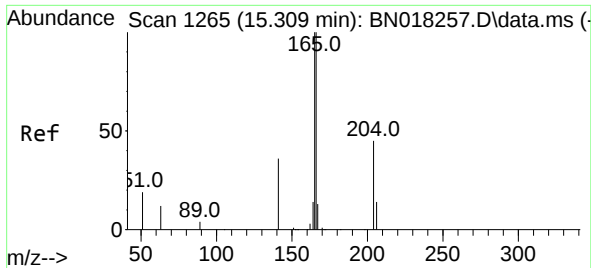
Tgt Ion:152 Resp: 10897
Ion Ratio Lower Upper
152 100
151 33.8 15.8 23.6#
153 20.2 10.5 15.7#



#17
Acenaphthene
Concen: 0.022 ng
RT: 14.320 min Scan# 1187
Delta R.T. -0.013 min
Lab File: BN018281.D
Acq: 30 Dec 2021 04:26

Tgt Ion:154 Resp: 4256
Ion Ratio Lower Upper
154 100
153 113.8 90.9 136.3
152 93.0 45.0 67.4#

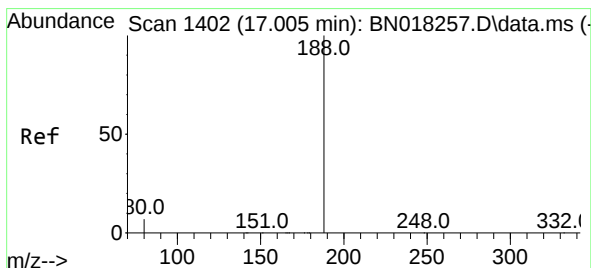
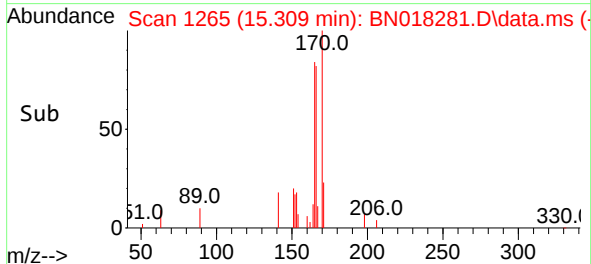
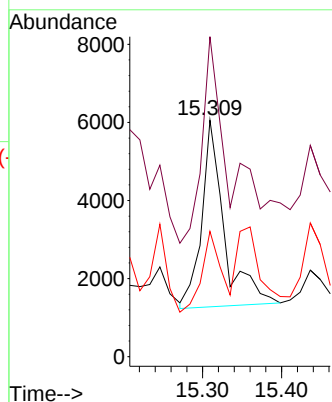
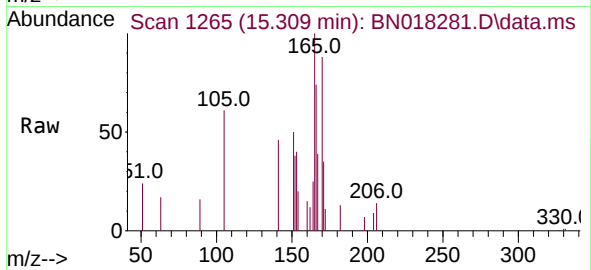




#18
Fluorene
Concen: 0.041 ng
RT: 15.309 min Scan# 1265
Delta R.T. 0.000 min
Lab File: BN018281.D
Acq: 30 Dec 2021 04:26

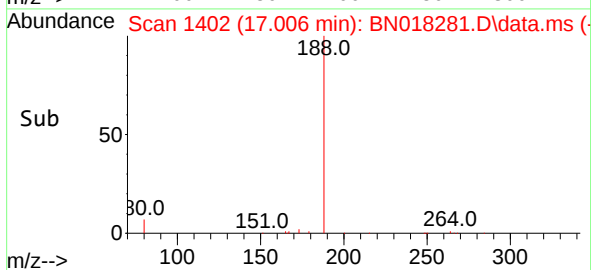
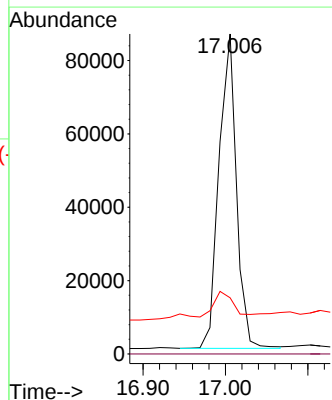
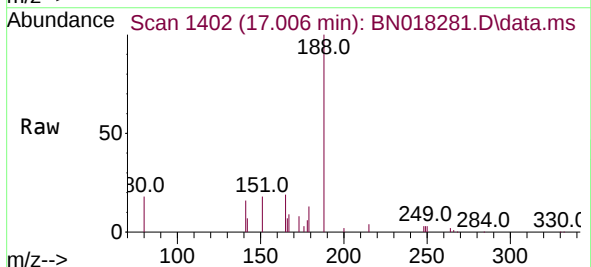
Instrument :
BNA_N
ClientSampleId :
OB-CS-09

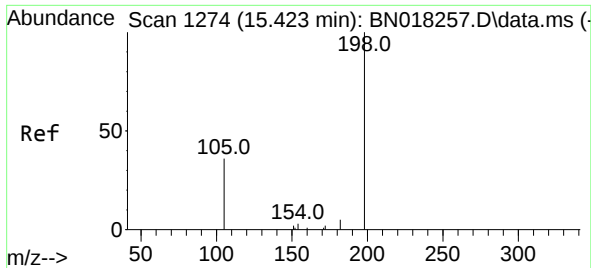
Tgt Ion:166 Resp: 9461
Ion Ratio Lower Upper
166 100
165 147.9 77.8 116.6#
167 37.1 10.9 16.3#



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.006 min Scan# 1402
Delta R.T. 0.001 min
Lab File: BN018281.D
Acq: 30 Dec 2021 04:26

Tgt Ion:188 Resp: 126525
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 17.5 7.0 10.4#

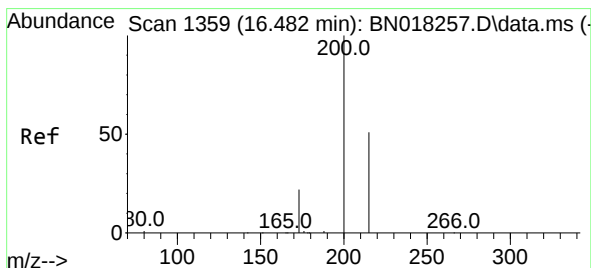
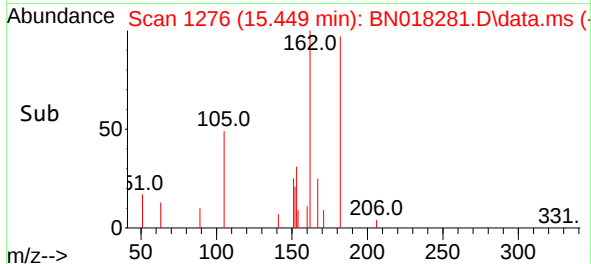
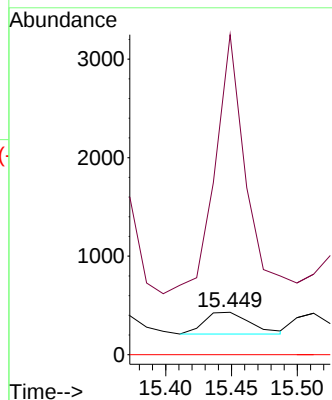
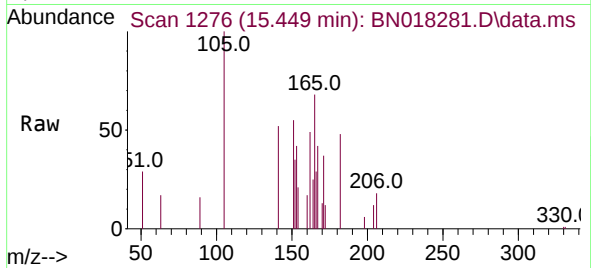




#20
 4,6-Dinitro-2-methylphenol
 Concen: 0.406 ng
 RT: 15.449 min Scan# 11
 Delta R.T. 0.026 min
 Lab File: BN018281.D
 Acq: 30 Dec 2021 04:26

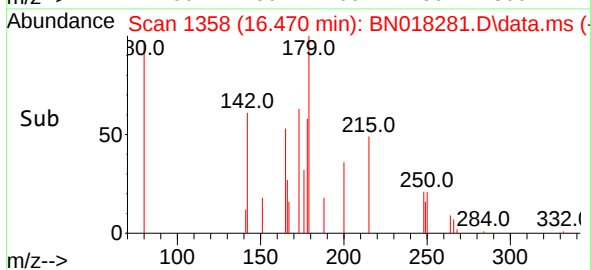
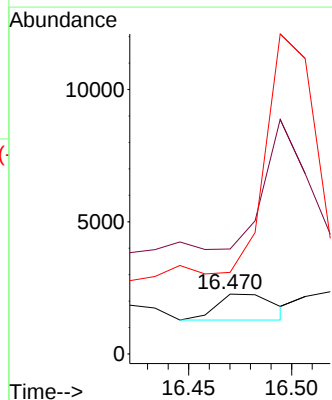
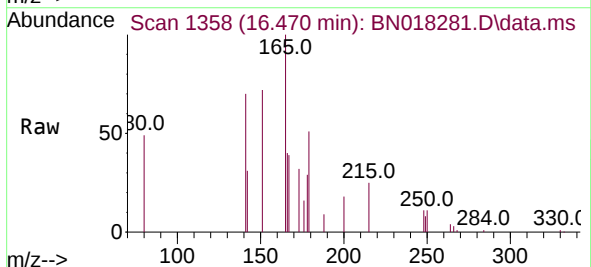
Instrument :
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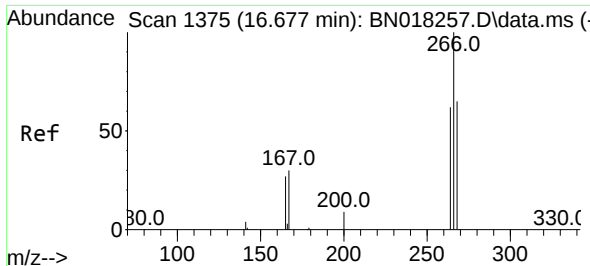
Tgt Ion:198 Resp: 540
 Ion Ratio Lower Upper
 198 100
 182 755.3 15.5 23.3#
 77 0.0 0.0 0.0



#23
 Atrazine
 Concen: 0.165 ng
 RT: 16.470 min Scan# 1358
 Delta R.T. -0.012 min
 Lab File: BN018281.D
 Acq: 30 Dec 2021 04:26

Tgt Ion:200 Resp: 1921
 Ion Ratio Lower Upper
 200 100
 173 175.4 20.3 30.5#
 215 136.4 40.4 60.6#

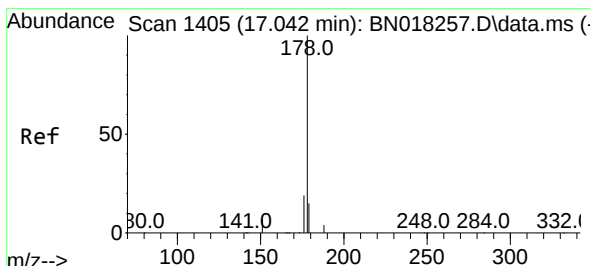
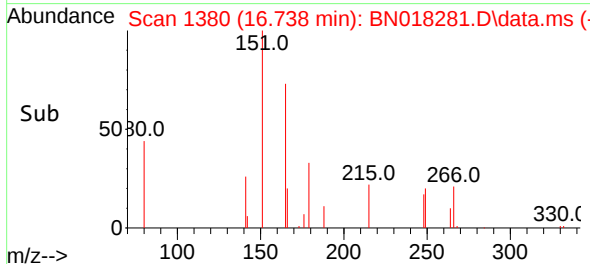
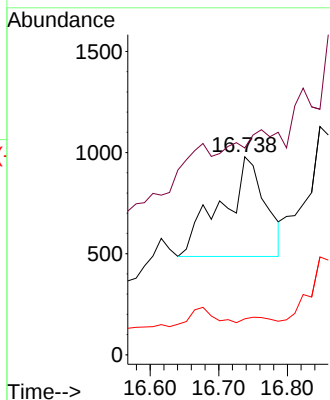
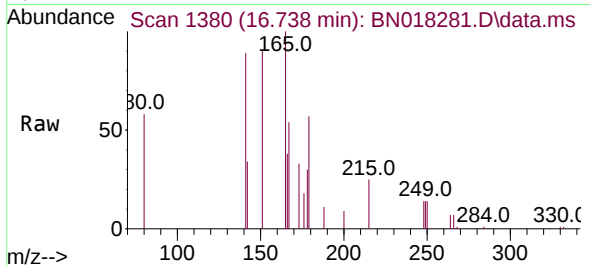




#24
 Pentachlorophenol
 Concen: 0.359 ng
 RT: 16.738 min Scan# 1375
 Delta R.T. 0.061 min
 Lab File: BN018281.D
 Acq: 30 Dec 2021 04:26

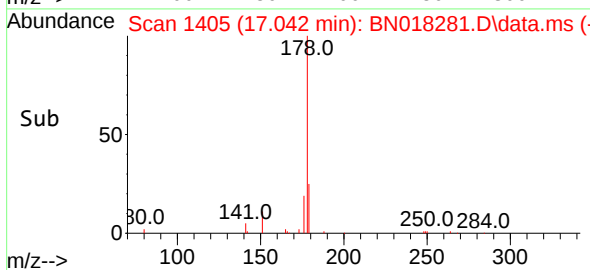
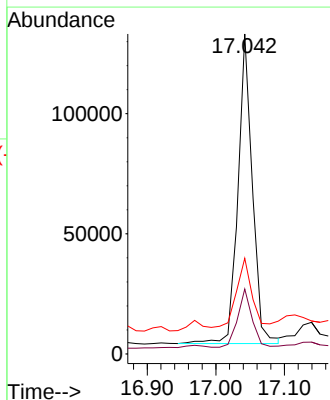
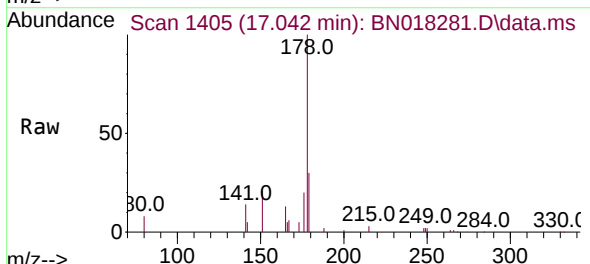
Instrument :
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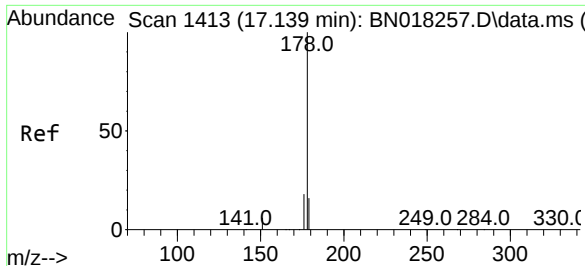
Tgt Ion:266 Resp: 2194
 Ion Ratio Lower Upper
 266 100
 264 0.0 49.5 74.3#
 268 0.0 50.6 76.0#



#25
 Phenanthrene
 Concen: 0.565 ng
 RT: 17.042 min Scan# 1405
 Delta R.T. 0.000 min
 Lab File: BN018281.D
 Acq: 30 Dec 2021 04:26

Tgt Ion:178 Resp: 188545
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.3 22.9
 179 23.5 12.3 18.5#

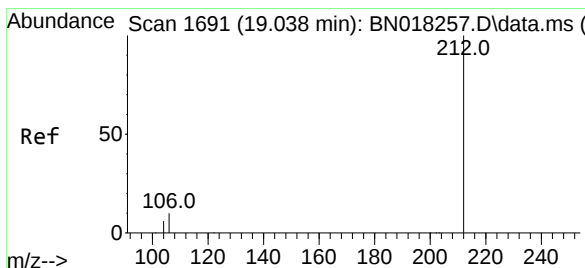
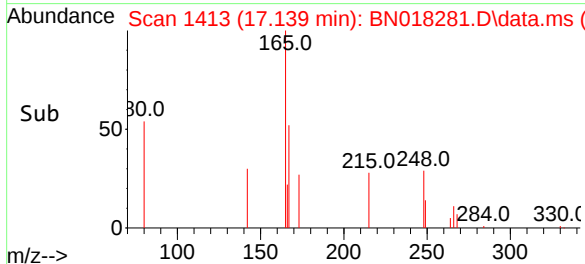
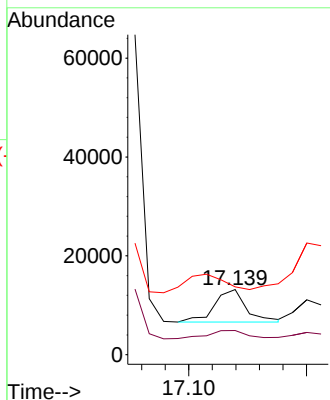
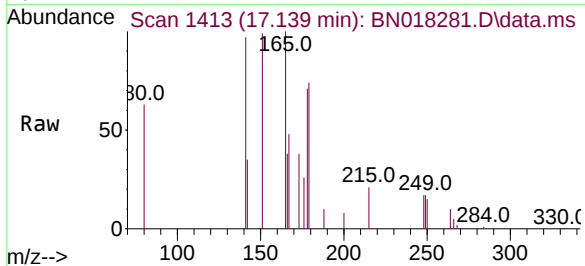




#26
 Anthracene
 Concen: 0.083 ng
 RT: 17.139 min Scan# 1413
 Delta R.T. 0.000 min
 Lab File: BN018281.D
 Acq: 30 Dec 2021 04:26

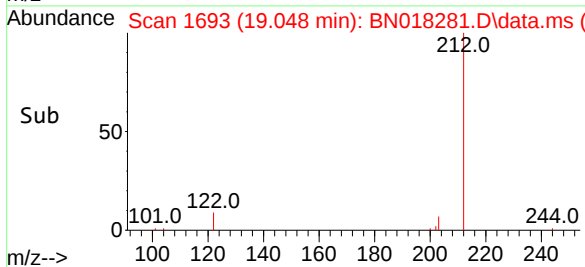
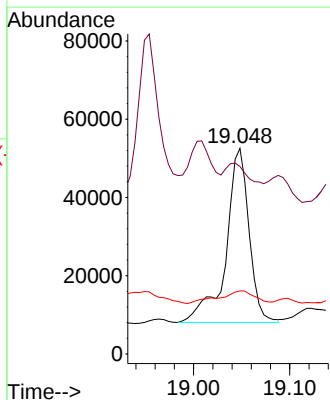
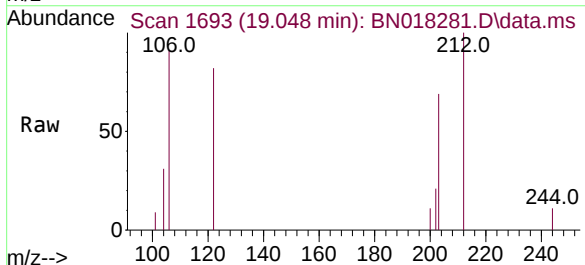
Instrument :
 BNA_N
 ClientSampleId :
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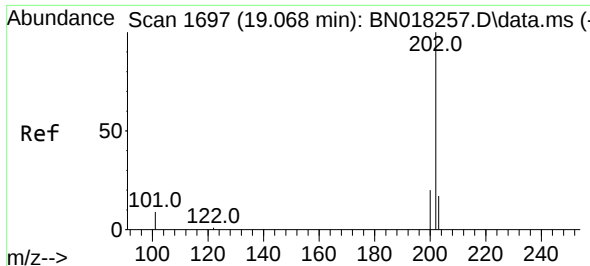
Tgt Ion:178 Resp: 12256
 Ion Ratio Lower Upper
 178 100
 176 29.4 14.8 22.2#
 179 0.0 12.2 18.4#



#27
 Fluoranthene-d10
 Concen: 0.184 ng
 RT: 19.048 min Scan# 1693
 Delta R.T. 0.010 min
 Lab File: BN018281.D
 Acq: 30 Dec 2021 04:26

Tgt Ion:212 Resp: 74076
 Ion Ratio Lower Upper
 212 100
 106 9.4 8.4 12.6
 104 11.2 4.5 6.7#

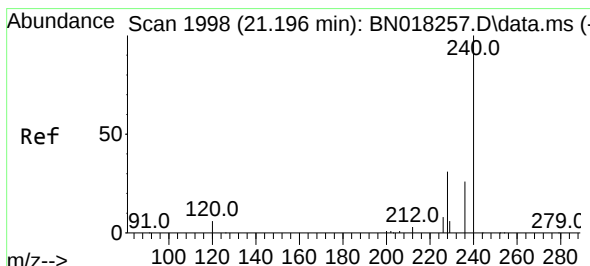
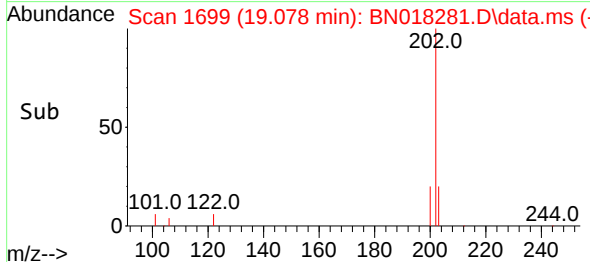
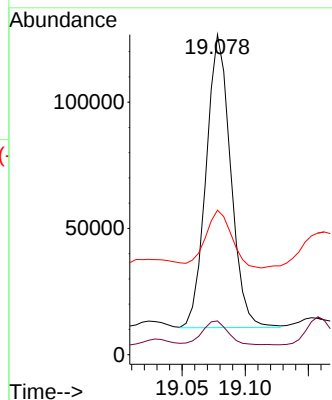
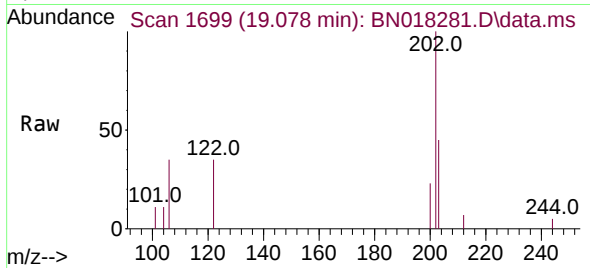




#28
Fluoranthene
Concen: 0.402 ng
RT: 19.078 min Scan# 1697
Delta R.T. 0.010 min
Lab File: BN018281.D
Acq: 30 Dec 2021 04:26

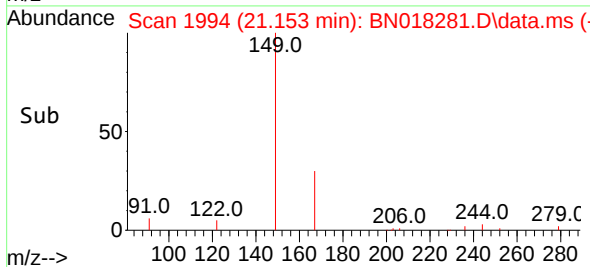
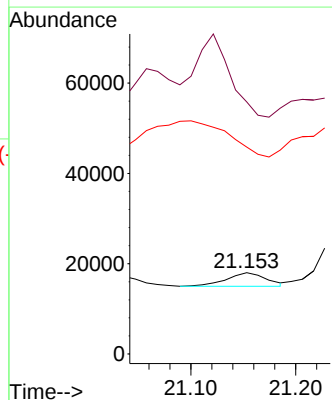
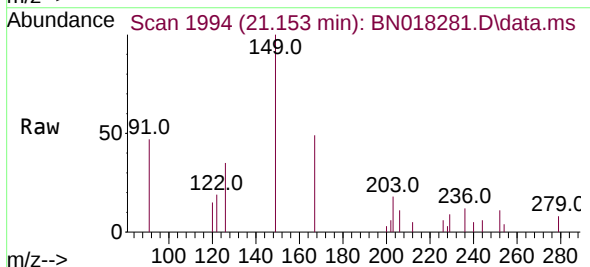
Instrument :
BNA_N
ClientSampleId :
OB-CS-09

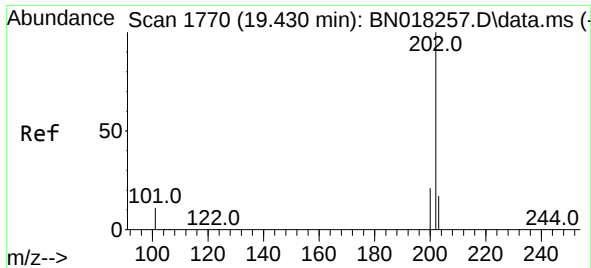
Tgt Ion:202 Resp: 156965
Ion Ratio Lower Upper
202 100
101 8.5 7.2 10.8
203 20.6 13.7 20.5#



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.153 min Scan# 1994
Delta R.T. -0.043 min
Lab File: BN018281.D
Acq: 30 Dec 2021 04:26

Tgt Ion:240 Resp: 7816
Ion Ratio Lower Upper
240 100
120 309.8 6.0 9.0#
236 254.3 21.4 32.2#

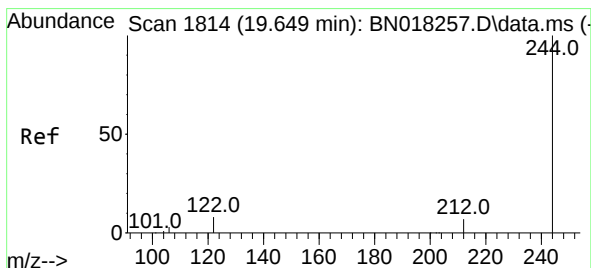
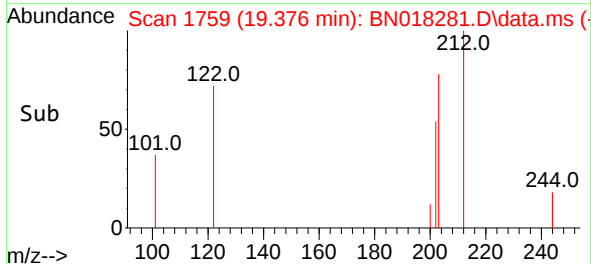
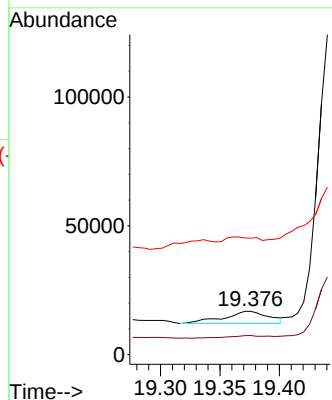
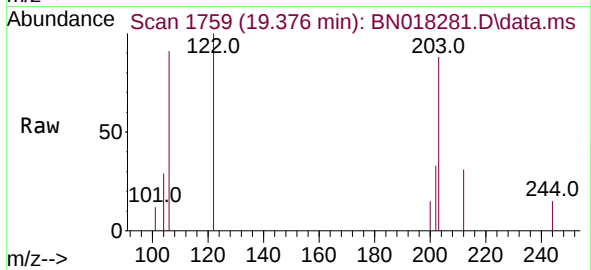




#30
Pyrene
Concen: 0.403 ng
RT: 19.376 min Scan# 11
Delta R.T. -0.054 min
Lab File: BN018281.D
Acq: 30 Dec 2021 04:26

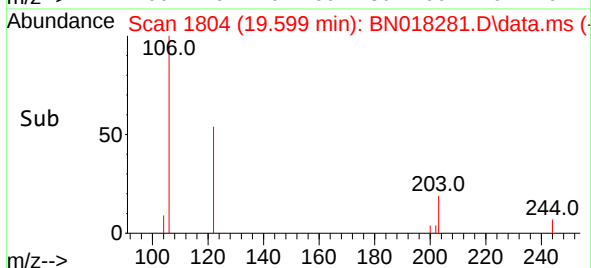
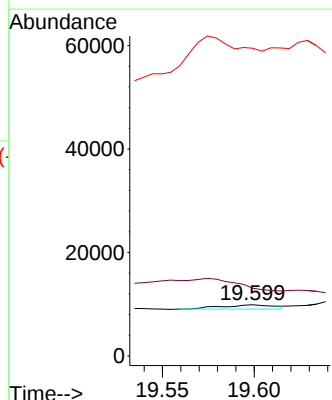
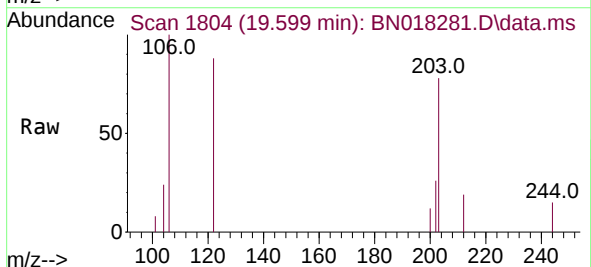
Instrument :
BNA_N
ClientSampleId :
OB-CS-09

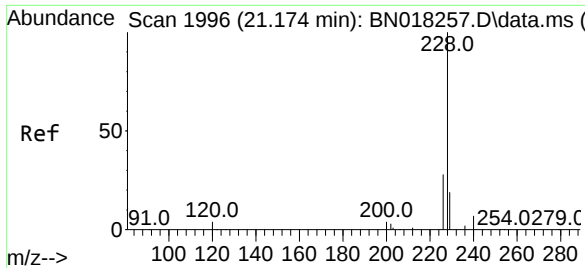
Tgt Ion:202 Resp: 12363
Ion Ratio Lower Upper
202 100
200 19.5 16.6 25.0
203 29.1 14.1 21.1#



#31
Terphenyl-d14
Concen: 0.083 ng
RT: 19.599 min Scan# 1804
Delta R.T. -0.049 min
Lab File: BN018281.D
Acq: 30 Dec 2021 04:26

Tgt Ion:244 Resp: 1646
Ion Ratio Lower Upper
244 100
212 131.9 6.2 9.2#
122 600.4 7.9 11.9#

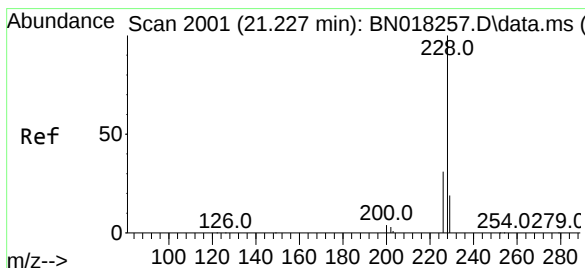
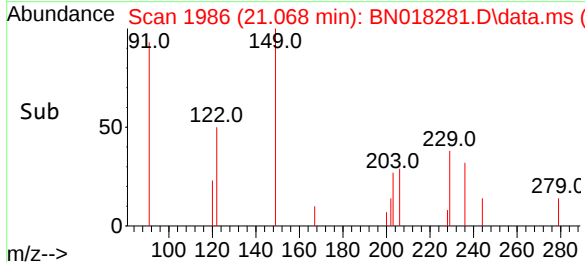
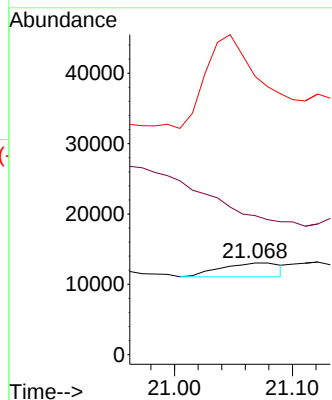
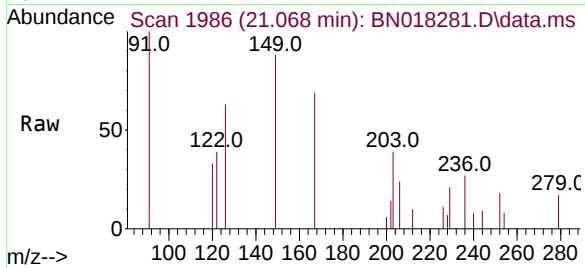




#32
Benzo(a)anthracene
Concen: 0.330 ng
RT: 21.068 min Scan# 1996
Delta R.T. -0.106 min
Lab File: BN018281.D
Acq: 30 Dec 2021 04:26

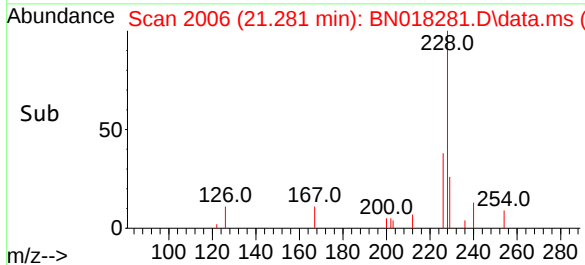
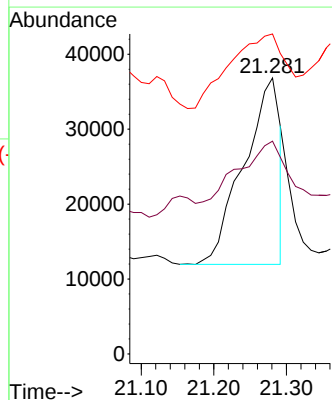
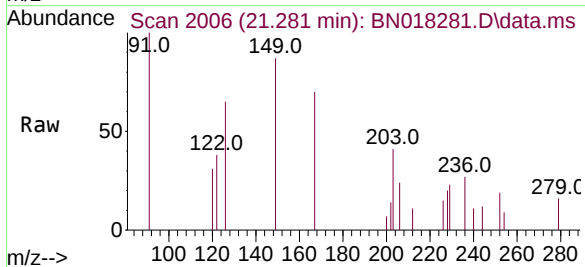
Instrument :
BNA_N
ClientSampleId :
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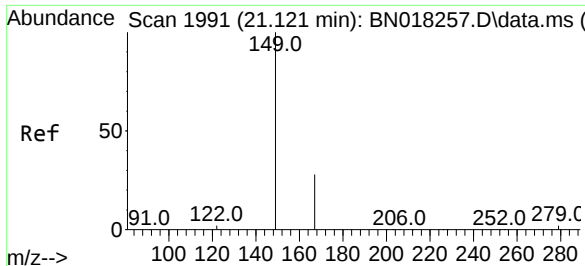
Tgt Ion:228 Resp: 6911
Ion Ratio Lower Upper
228 100
226 151.5 21.3 31.9#
229 303.6 15.9 23.9#



#33
Chrysene
Concen: 3.427 ng
RT: 21.281 min Scan# 2006
Delta R.T. 0.053 min
Lab File: BN018281.D
Acq: 30 Dec 2021 04:26

Tgt Ion:228 Resp: 86240
Ion Ratio Lower Upper
228 100
226 77.1 24.2 36.4#
229 115.9 15.5 23.3#

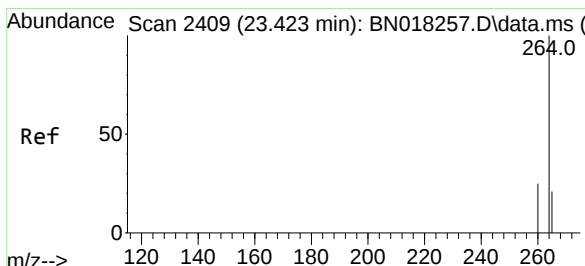
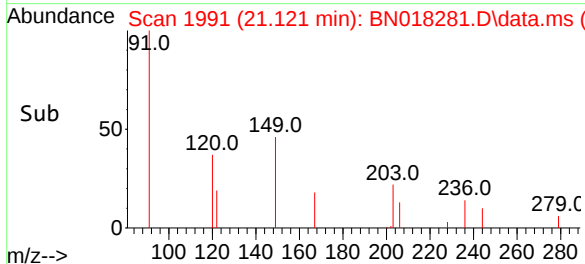
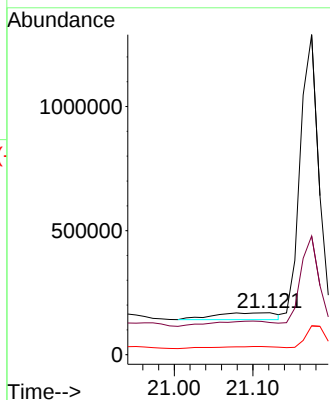
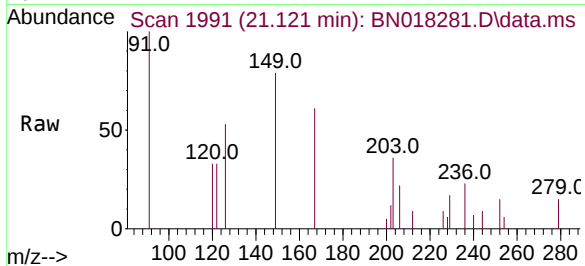




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 15.371 ng
 RT: 21.121 min Scan# 1991
 Delta R.T. 0.000 min
 Lab File: BN018281.D
 Acq: 30 Dec 2021 04:26

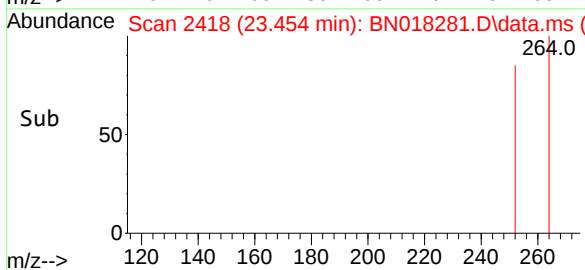
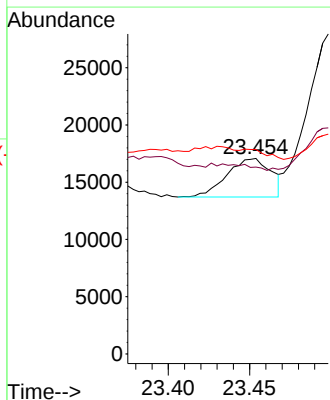
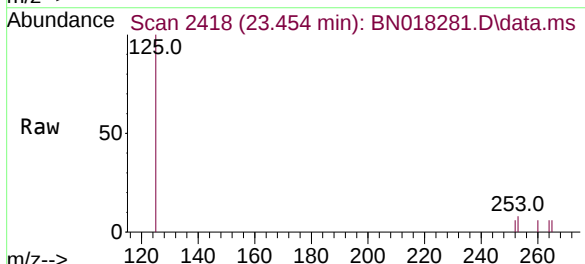
Instrument :
 BNA_N
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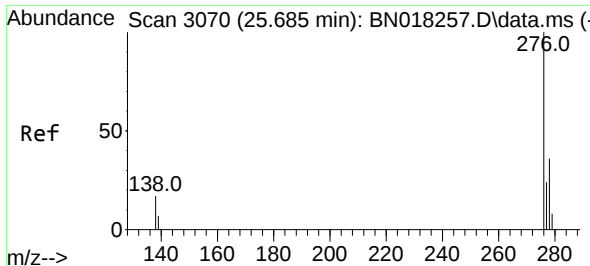
Tgt Ion:149 Resp: 149963
 Ion Ratio Lower Upper
 149 100
 167 0.0 23.7 35.5#
 279 0.0 3.6 5.4#



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.454 min Scan# 2418
 Delta R.T. 0.031 min
 Lab File: BN018281.D
 Acq: 30 Dec 2021 04:26

Tgt Ion:264 Resp: 6363
 Ion Ratio Lower Upper
 264 100
 260 95.6 20.2 30.4#
 265 104.6 18.2 27.2#

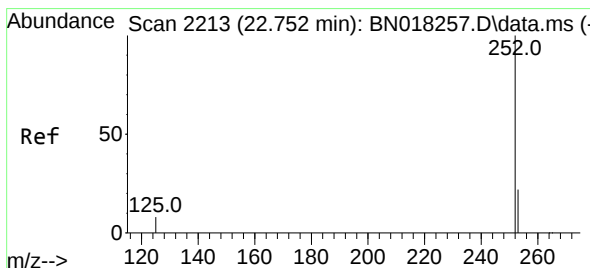
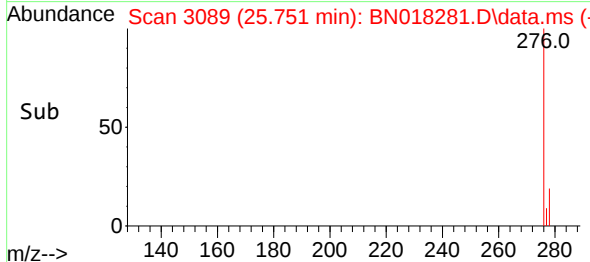
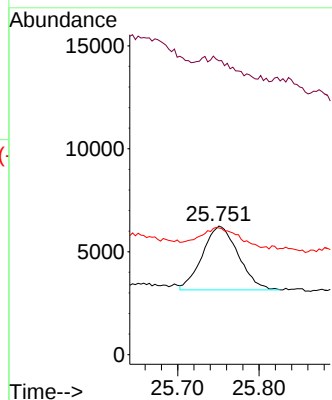
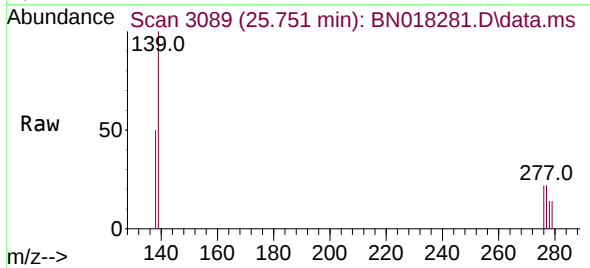




#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.624 ng
 RT: 25.751 min Scan# 3070
 Delta R.T. 0.065 min
 Lab File: BN018281.D
 Acq: 30 Dec 2021 04:26

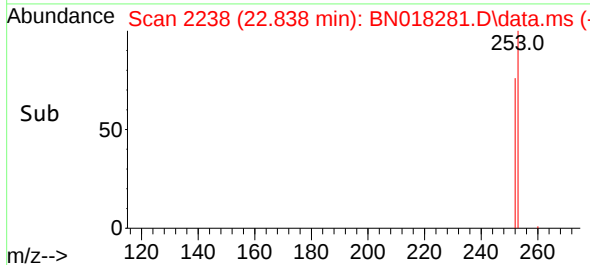
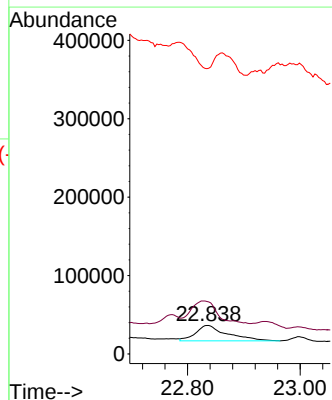
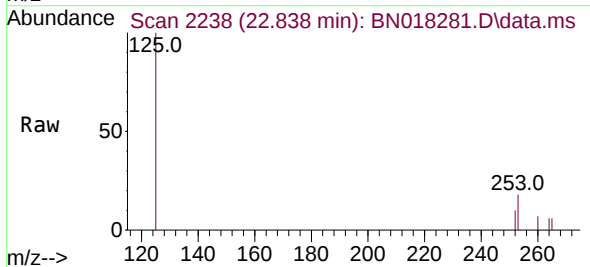
Instrument :
 BNA_N
 ClientSampleId :
 OB-CS-09

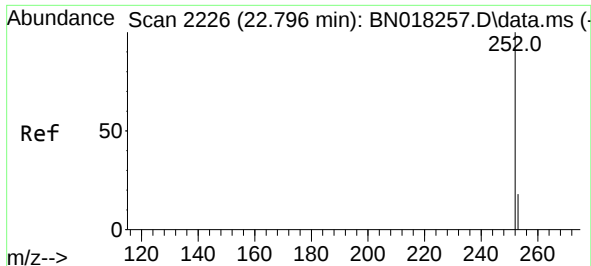
Tgt Ion:276 Resp: 9489
 Ion Ratio Lower Upper
 276 100
 138 0.0 14.9 22.3#
 277 37.2 19.9 29.9#



#37
 Benzo(b)fluoranthene
 Concen: 3.798 ng
 RT: 22.838 min Scan# 2238
 Delta R.T. 0.086 min
 Lab File: BN018281.D
 Acq: 30 Dec 2021 04:26

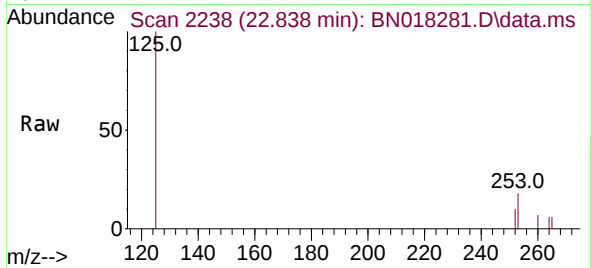
Tgt Ion:252 Resp: 76808
 Ion Ratio Lower Upper
 252 100
 253 182.3 17.8 26.6#
 125 1002.2 6.0 9.0#



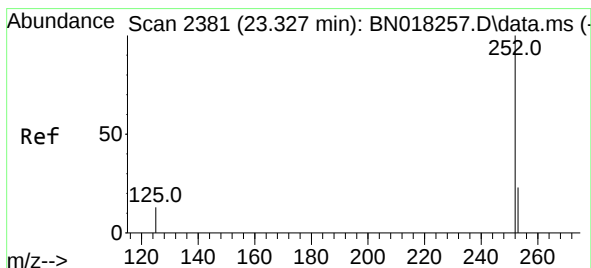
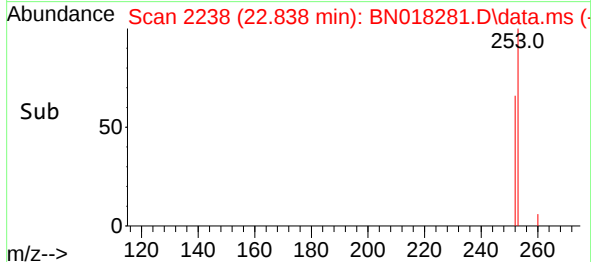
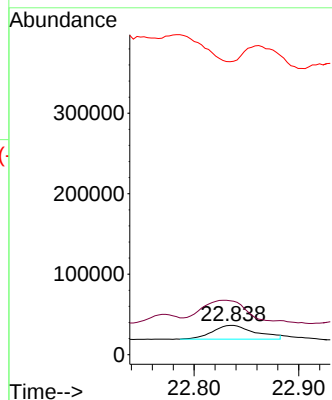


#38
Benzo(k)fluoranthene
Concen: 2.580 ng
RT: 22.838 min Scan# 21
Delta R.T. 0.041 min
Lab File: BN018281.D
Acq: 30 Dec 2021 04:26

Instrument :
BNA_N
ClientSampleId :
OB-CS-09

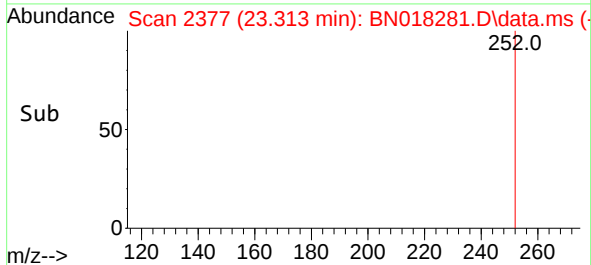
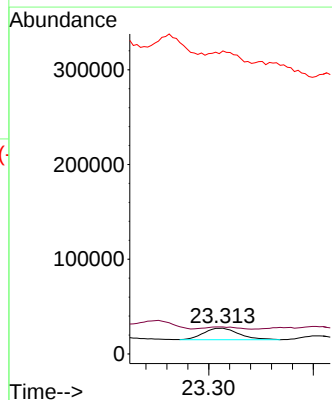
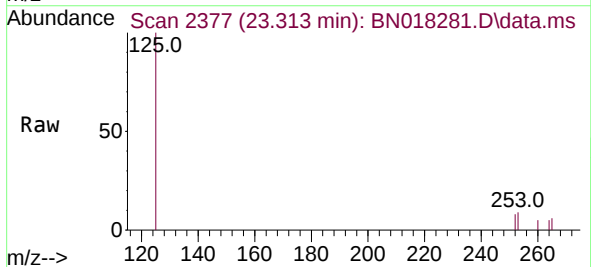


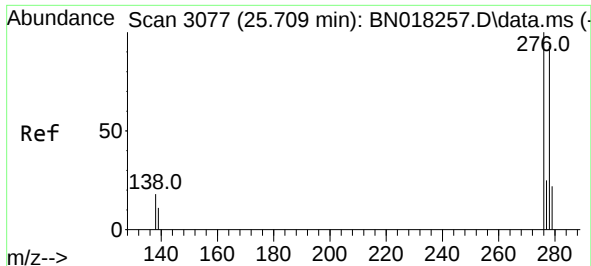
Tgt Ion:252 Resp: 49394
Ion Ratio Lower Upper
252 100
253 182.3 17.7 26.5#
125 1002.2 6.2 9.2#



#39
Benzo(a)pyrene
Concen: 1.601 ng
RT: 23.313 min Scan# 2377
Delta R.T. -0.014 min
Lab File: BN018281.D
Acq: 30 Dec 2021 04:26

Tgt Ion:252 Resp: 28164
Ion Ratio Lower Upper
252 100
253 105.5 17.8 26.6#
125 1178.8 7.0 10.4#

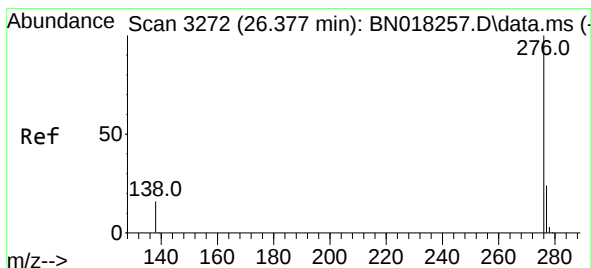
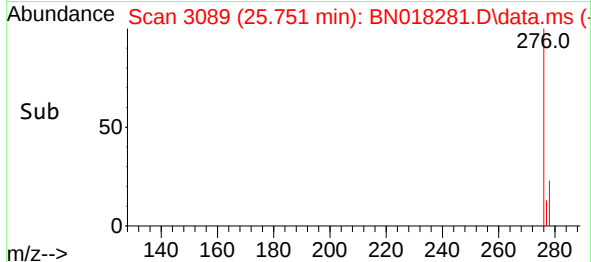
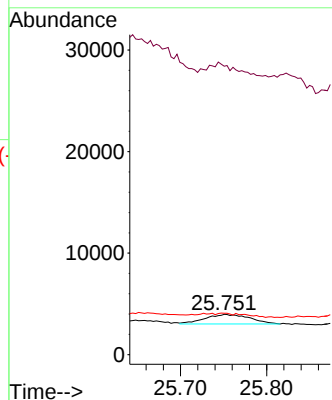
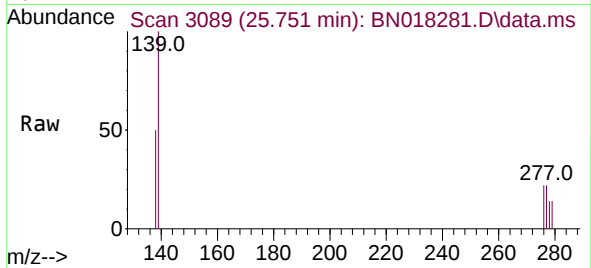




#40
Dibenzo(a,h)anthracene
Concen: 0.311 ng
RT: 25.751 min Scan# 3077
Delta R.T. 0.041 min
Lab File: BN018281.D
Acq: 30 Dec 2021 04:26

Instrument :
BNA_N
ClientSampleId :
OB-CS-09

Tgt Ion:278 Resp: 3365
Ion Ratio Lower Upper
278 100
139 716.5 10.8 16.2#
279 103.1 19.0 28.4#



#41
Benzo(g,h,i)perylene
Concen: 1.134 ng
RT: 26.439 min Scan# 3290
Delta R.T. 0.062 min
Lab File: BN018281.D
Acq: 30 Dec 2021 04:26

Tgt Ion:276 Resp: 17190
Ion Ratio Lower Upper
276 100
277 65.1 19.0 28.6#
138 120.7 12.6 19.0#

