

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100121\
 Data File : BN016704.D
 Acq On : 03 Oct 2021 12:24
 Operator : CG/JU
 Sample : M3892-03
 Misc :
 ALS Vial : 72 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-829-J-SO-2-2.5-092221

Quant Time: Oct 04 03:38:39 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN100121.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 01 13:35:26 2021
 Response via : Initial Calibration

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

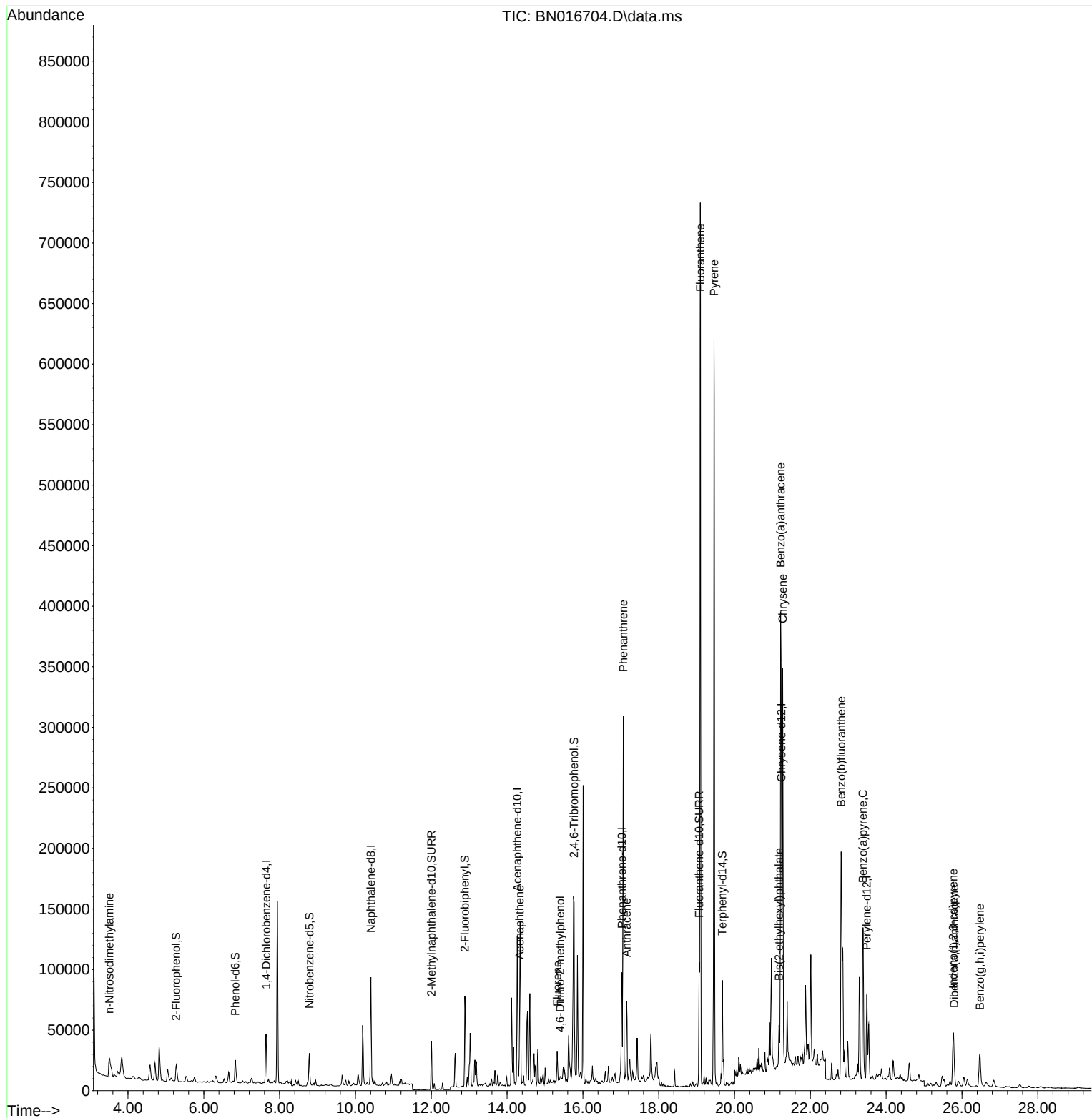
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.643	152	24942	0.400	ng	0.00
7) Naphthalene-d8	10.407	136	115364	0.400	ng	0.00
13) Acenaphthene-d10	14.269	164	66676	0.400	ng	0.00
19) Phenanthrene-d10	17.030	188	134317	0.400	ng	0.00
29) Chrysene-d12	21.238	240	133452	0.400	ng	# 0.00
35) Perylene-d12	23.488	264	90619	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.273	112	19309	0.304	ng	0.02
5) Phenol-d6	6.831	99	20963	0.301	ng	0.00
8) Nitrobenzene-d5	8.785	82	23765	0.316	ng	0.00
11) 2-Methylnaphthalene-d10	12.003	152	53414	0.313	ng	0.00
14) 2,4,6-Tribromophenol	15.766	330	12229	0.403	ng	0.00
15) 2-Fluorobiphenyl	12.886	172	68659	0.254	ng	-0.01
27) Fluoranthene-d10	19.068	212	110834	0.310	ng	0.00
31) Terphenyl-d14	19.679	244	84888	0.293	ng	0.00
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.512	42	5228	0.284	ng	# 1
17) Acenaphthene	14.332	154	17844	0.091	ng	97
18) Fluorene	15.322	166	16316	0.070	ng	93
20) 4,6-Dinitro-2-methylph...	15.398	198	39	0.139	ng	# 1
25) Phenanthrene	17.066	178	298884	0.739	ng	99
26) Anthracene	17.152	178	70521	0.202	ng	# 94
28) Fluoranthene	19.098	202	652273	1.495	ng	99
30) Pyrene	19.460	202	554774	1.285	ng	# 93
32) Benzo(a)anthracene	21.217	228	313863	0.766	ng	99
33) Chrysene	21.270	228	289815	0.699	ng	98
34) Bis(2-ethylhexyl)phtha...	21.174	149	28238	0.173	ng	# 99
36) Indeno(1,2,3-cd)pyrene	25.768	276	67268	0.208	ng	99
37) Benzo(b)fluoranthene	22.814	252	294968	1.013	ng	# 96
39) Benzo(a)pyrene	23.389	252	173229	0.668	ng	# 96
40) Dibenzo(a,h)anthracene	25.792	278	20762	0.080	ng	# 71
41) Benzo(g,h,i)perylene	26.473	276	52216	0.183	ng	# 89

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

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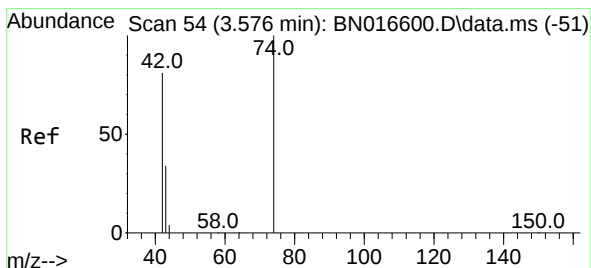
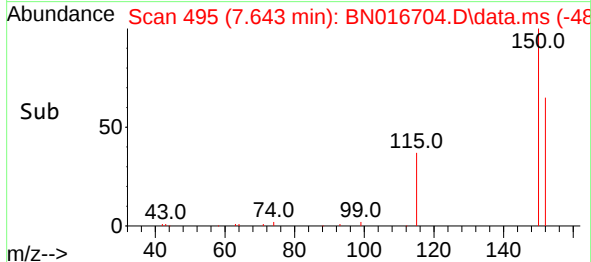
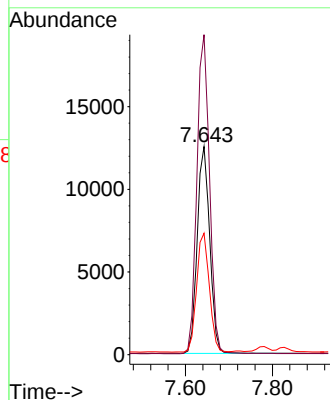
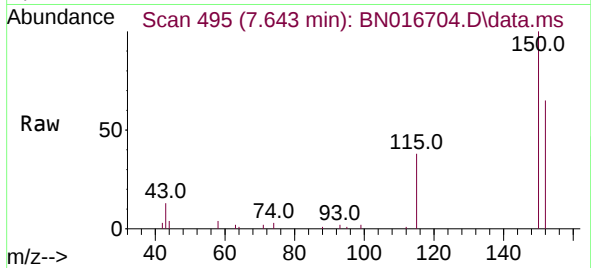




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.643 min Scan# 495
Delta R.T. 0.000 min
Lab File: BN016704.D
Acq: 03 Oct 2021 12:24

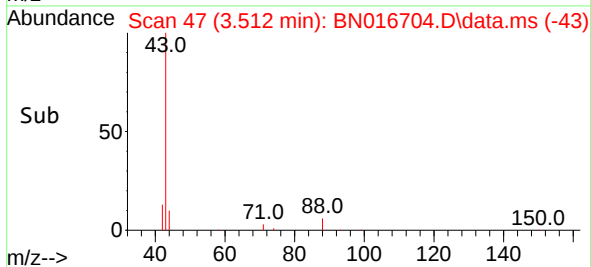
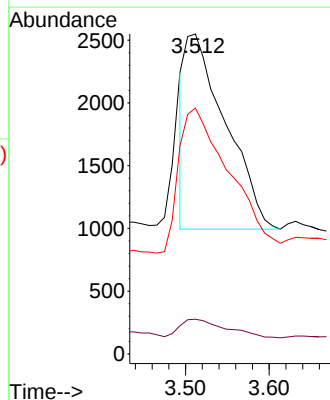
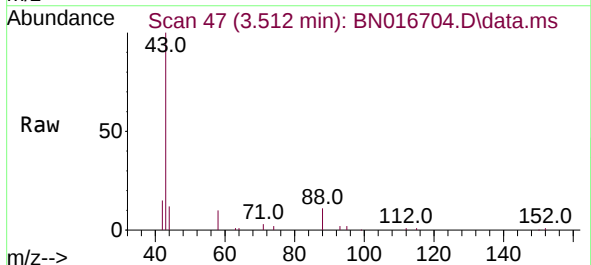
Instrument :
BNA_N
ClientSampleId :
S-829-J-SO-2-2.5-092221

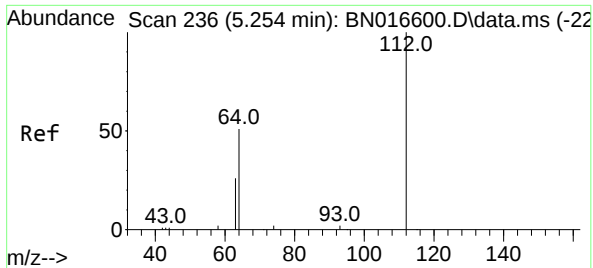
Tgt Ion:152 Resp: 24942
Ion Ratio Lower Upper
152 100
150 153.7 124.6 186.8
115 58.3 46.5 69.7



#3
n-Nitrosodimethylamine
Concen: 0.284 ng
RT: 3.512 min Scan# 47
Delta R.T. -0.064 min
Lab File: BN016704.D
Acq: 03 Oct 2021 12:24

Tgt Ion: 42 Resp: 5228
Ion Ratio Lower Upper
42 100
74 9.5 121.6 182.4#
44 71.7 6.3 9.5#

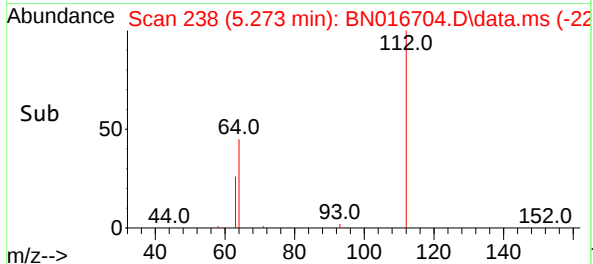
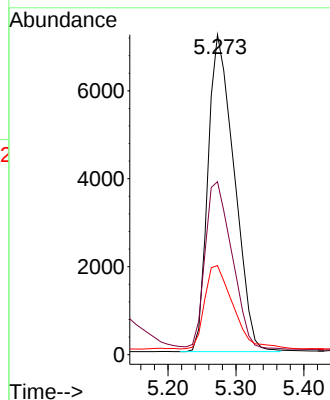
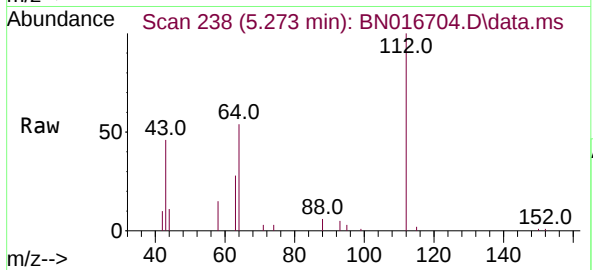




#4
2-Fluorophenol
Concen: 0.304 ng
RT: 5.273 min Scan# 238
Delta R.T. 0.019 min
Lab File: BN016704.D
Acq: 03 Oct 2021 12:24

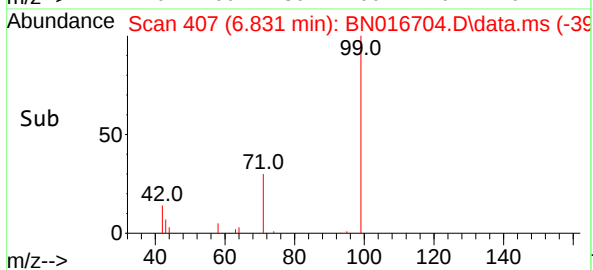
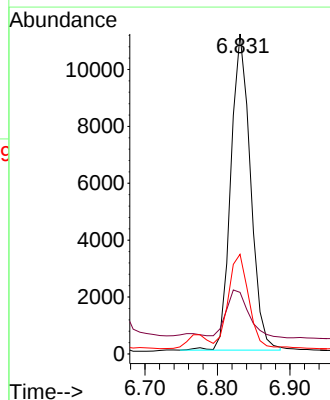
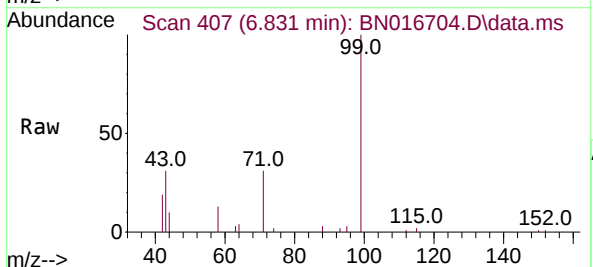
Instrument :
BNA_N
ClientSampleId :
S-829-J-SO-2-2.5-092221

Tgt Ion:	112	Resp:	19309
Ion	Ratio	Lower	Upper
112	100		
64	53.8	43.1	64.7
63	28.4	21.6	32.4



#5
Phenol-d6
Concen: 0.301 ng
RT: 6.831 min Scan# 407
Delta R.T. 0.010 min
Lab File: BN016704.D
Acq: 03 Oct 2021 12:24

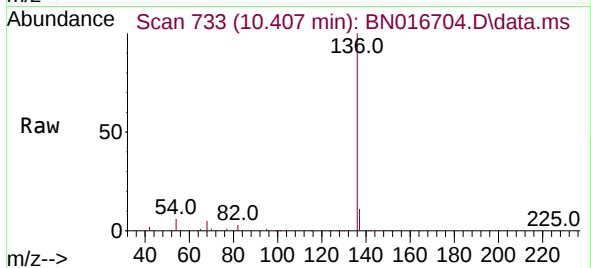
Tgt Ion:	99	Resp:	20963
Ion	Ratio	Lower	Upper
99	100		
42	16.5	13.0	19.6
71	29.8	23.5	35.3



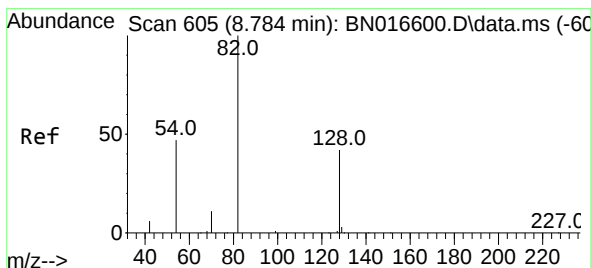
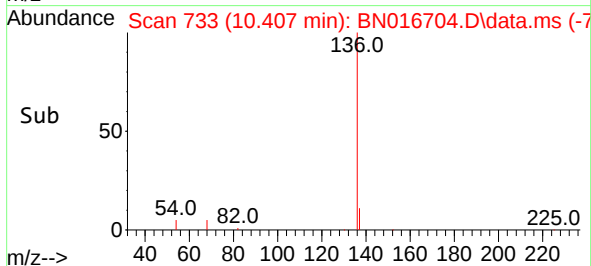
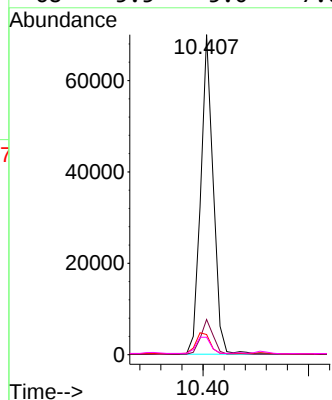


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.407 min Scan# 733
Delta R.T. 0.000 min
Lab File: BN016704.D
Acq: 03 Oct 2021 12:24

Instrument :
BNA_N
ClientSampleId :
S-829-J-SO-2-2.5-092221

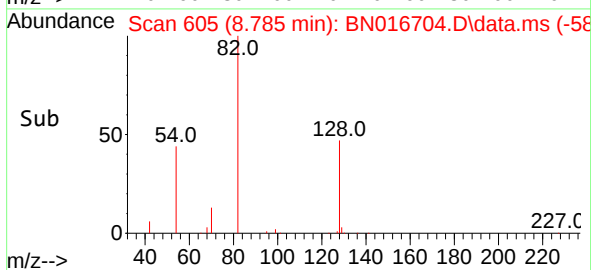
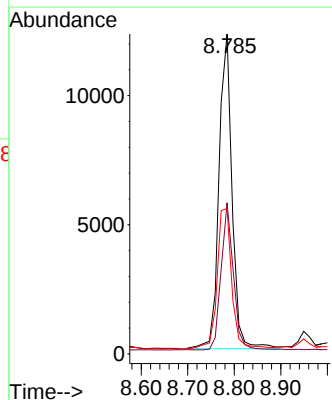
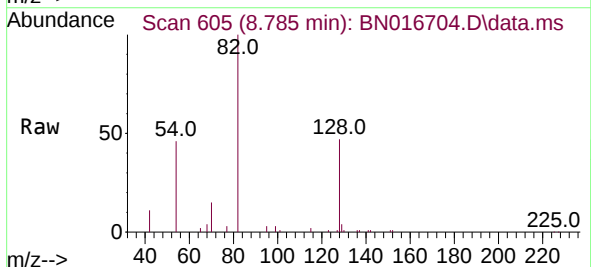


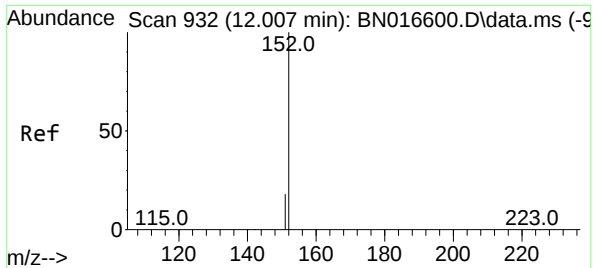
Tgt Ion:	136	Resp:	115364
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	6.3	5.9	8.9
68	5.5	5.0	7.6



#8
Nitrobenzene-d5
Concen: 0.316 ng
RT: 8.785 min Scan# 605
Delta R.T. 0.000 min
Lab File: BN016704.D
Acq: 03 Oct 2021 12:24

Tgt Ion:	82	Resp:	23765
Ion	Ratio	Lower	Upper
82	100		
128	47.3	33.6	50.4
54	45.5	37.6	56.4

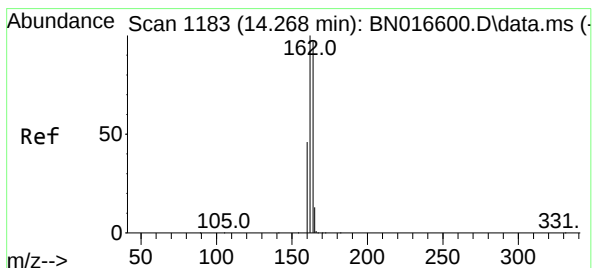
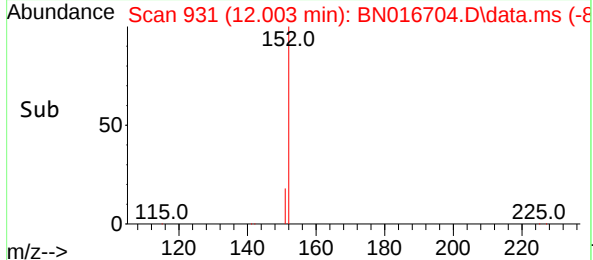
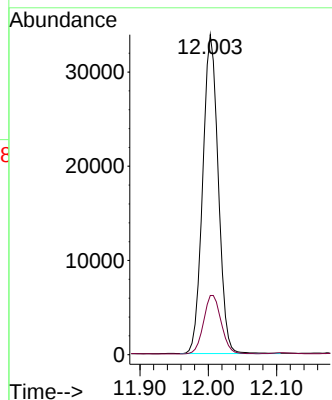
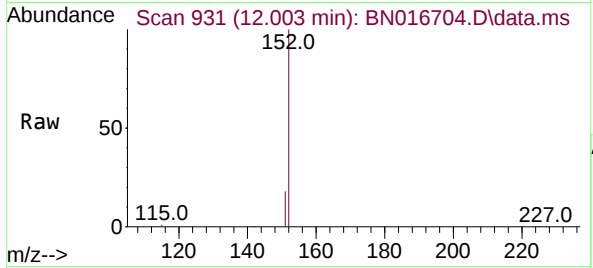




#11
2-Methylnaphthalene-d10
Concen: 0.313 ng
RT: 12.003 min Scan# 931
Delta R.T. -0.004 min
Lab File: BN016704.D
Acq: 03 Oct 2021 12:24

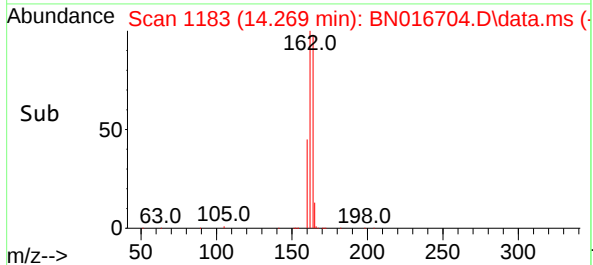
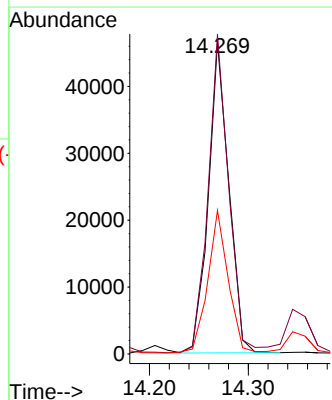
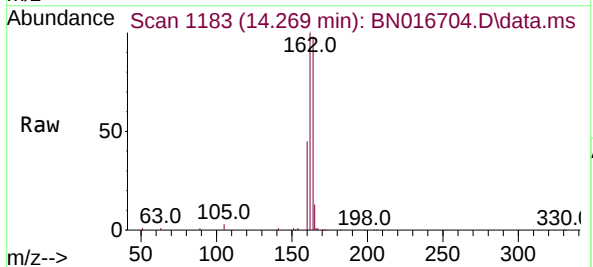
Instrument :
BNA_N
ClientSampleId :
S-829-J-SO-2-2.5-092221

Tgt Ion:152 Resp: 53414
Ion Ratio Lower Upper
152 100
151 20.7 16.2 24.4



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.269 min Scan# 1183
Delta R.T. 0.000 min
Lab File: BN016704.D
Acq: 03 Oct 2021 12:24

Tgt Ion:164 Resp: 66676
Ion Ratio Lower Upper
164 100
162 102.6 82.2 123.2
160 46.0 37.7 56.5

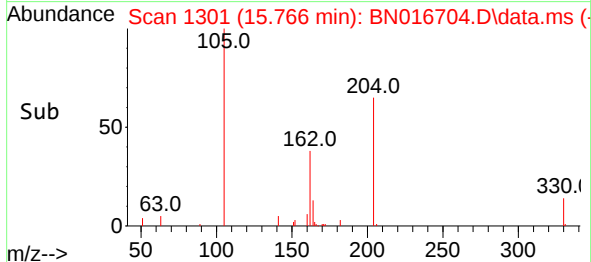
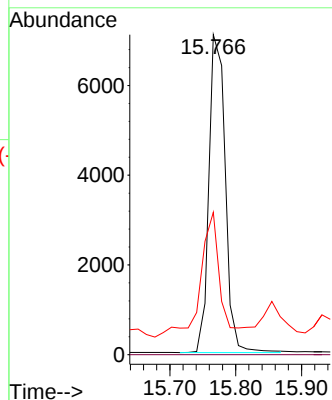
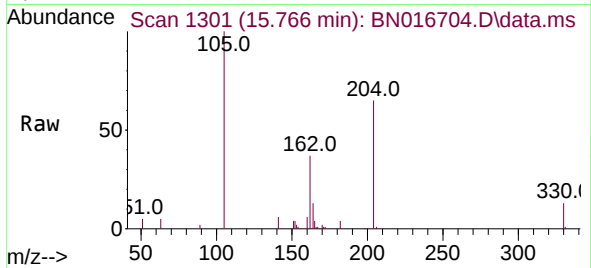




#14
2,4,6-Tribromophenol
Concen: 0.403 ng
RT: 15.766 min Scan# 1301
Delta R.T. 0.000 min
Lab File: BN016704.D
Acq: 03 Oct 2021 12:24

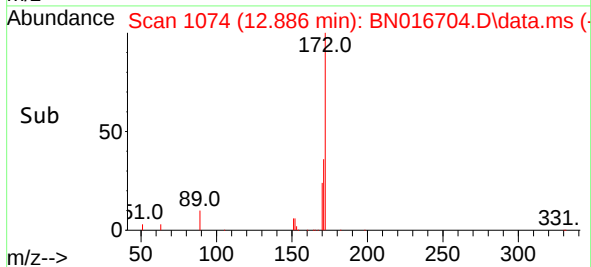
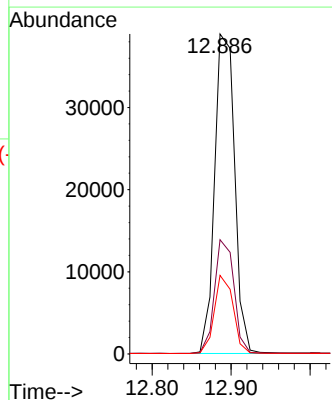
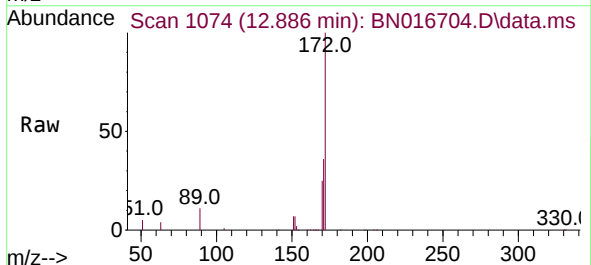
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ClientSampleId :
S-829-J-SO-2-2.5-092221

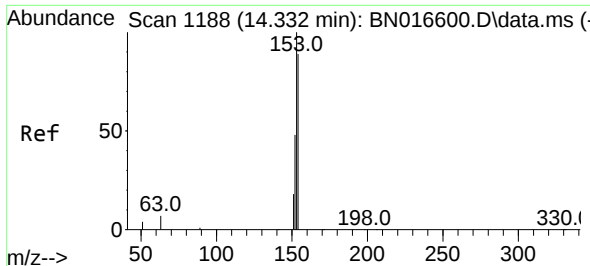
Tgt Ion:330 Resp: 12229
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 39.8 25.2 37.8#



#15
2-Fluorobiphenyl
Concen: 0.254 ng
RT: 12.886 min Scan# 1074
Delta R.T. -0.012 min
Lab File: BN016704.D
Acq: 03 Oct 2021 12:24

Tgt Ion:172 Resp: 68659
Ion Ratio Lower Upper
172 100
171 35.7 27.0 40.4
170 24.5 17.4 26.2

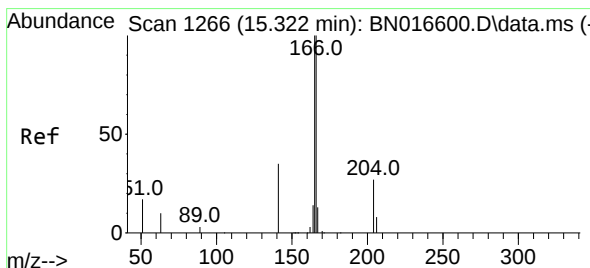
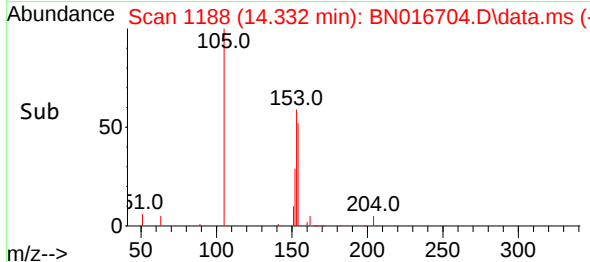
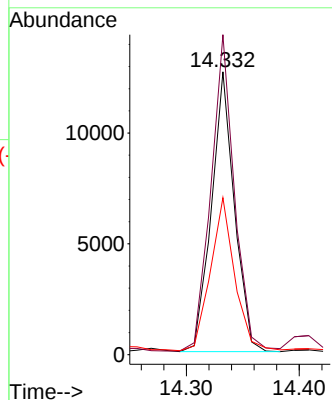
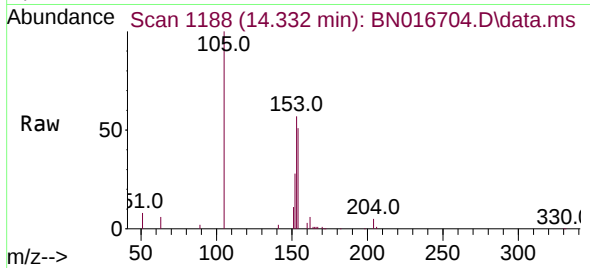




#17
Acenaphthene
Concen: 0.091 ng
RT: 14.332 min Scan# 1188
Delta R.T. 0.000 min
Lab File: BN016704.D
Acq: 03 Oct 2021 12:24

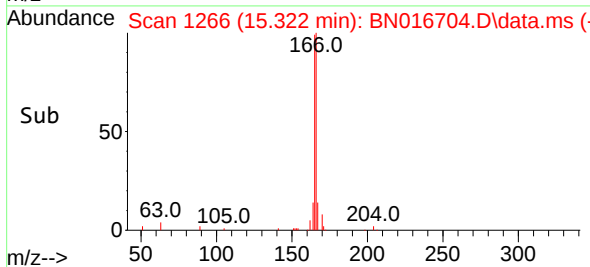
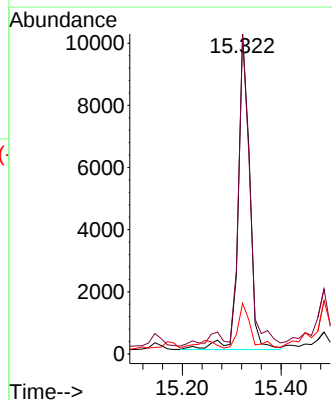
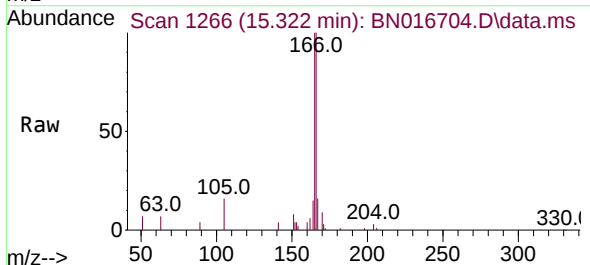
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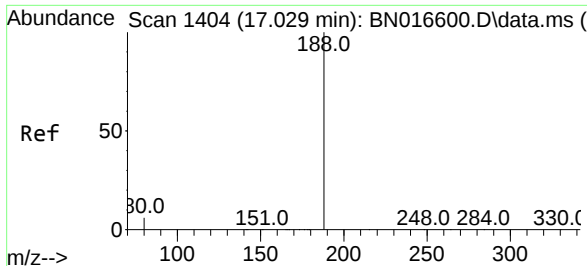
Tgt Ion:154 Resp: 17844
Ion Ratio Lower Upper
154 100
153 115.2 90.2 135.2
152 57.3 44.0 66.0



#18
Fluorene
Concen: 0.070 ng
RT: 15.322 min Scan# 1266
Delta R.T. 0.000 min
Lab File: BN016704.D
Acq: 03 Oct 2021 12:24

Tgt Ion:166 Resp: 16316
Ion Ratio Lower Upper
166 100
165 104.1 77.9 116.9
167 15.6 10.7 16.1

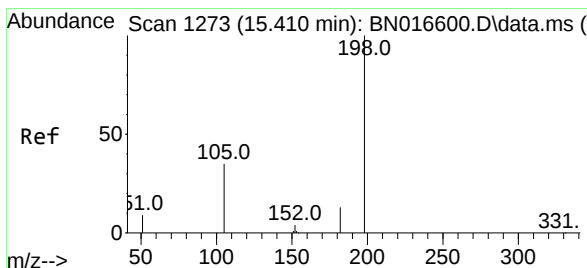
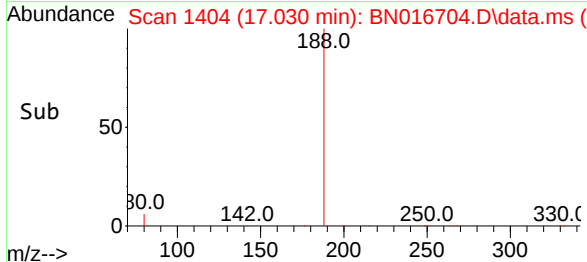
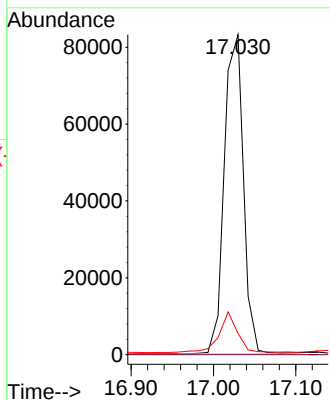
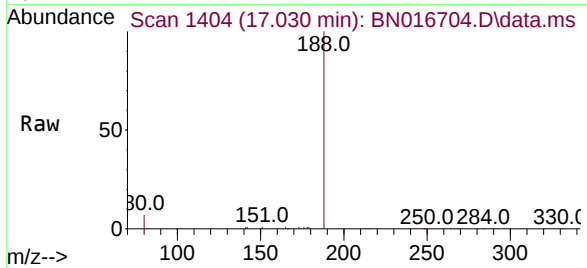




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.030 min Scan# 1404
Delta R.T. 0.000 min
Lab File: BN016704.D
Acq: 03 Oct 2021 12:24

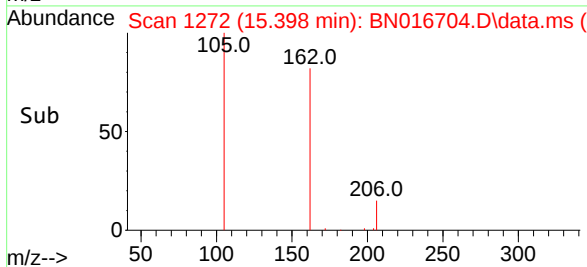
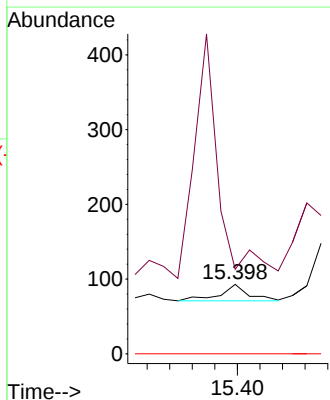
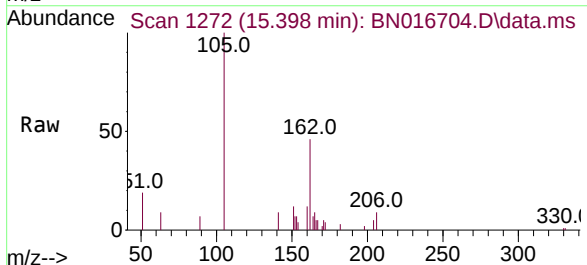
Instrument :
BNA_N
ClientSampleId :
S-829-J-SO-2-2.5-092221

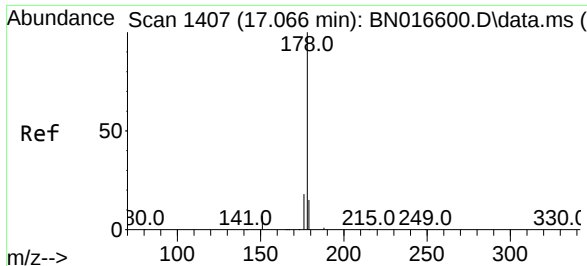
Tgt Ion:188 Resp: 134317
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 6.7 5.0 7.6



#20
4,6-Dinitro-2-methylphenol
Concen: 0.139 ng
RT: 15.398 min Scan# 1272
Delta R.T. -0.012 min
Lab File: BN016704.D
Acq: 03 Oct 2021 12:24

Tgt Ion:198 Resp: 39
Ion Ratio Lower Upper
198 100
182 121.5 11.8 17.8#
77 0.0 0.0 0.0

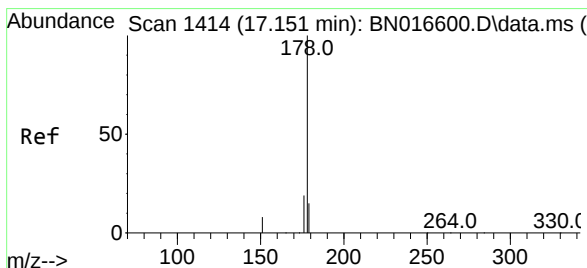
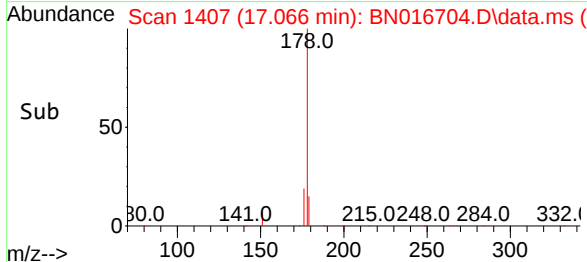
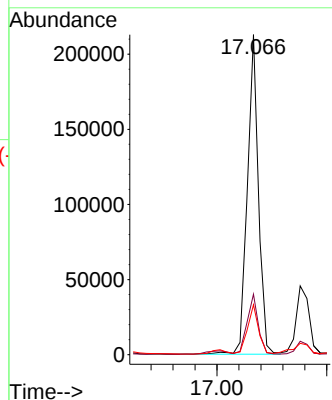
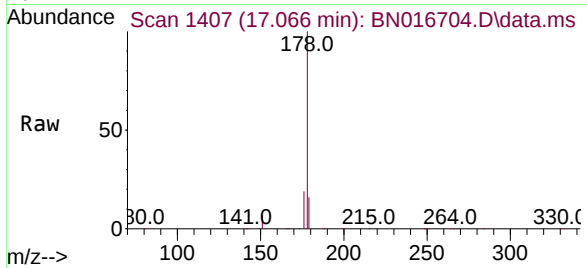




#25
Phenanthrene
Concen: 0.739 ng
RT: 17.066 min Scan# 1407
Delta R.T. 0.000 min
Lab File: BN016704.D
Acq: 03 Oct 2021 12:24

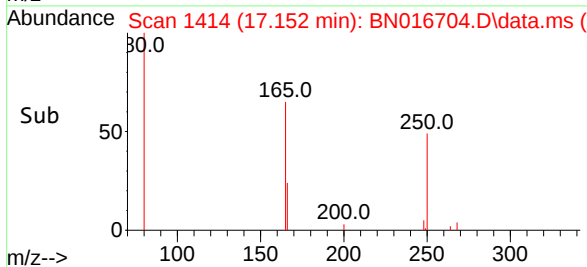
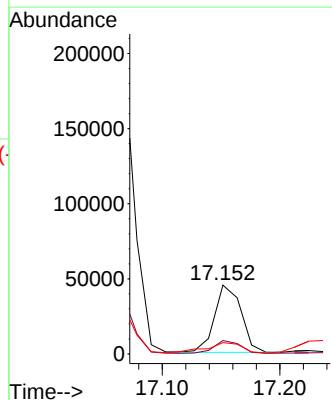
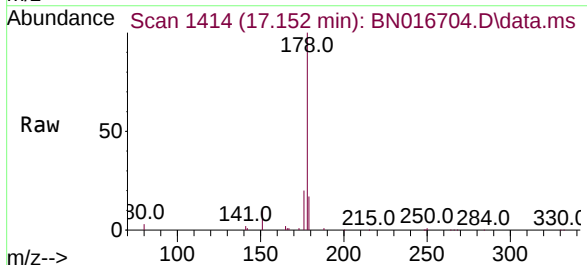
Instrument :
BNA_N
ClientSampleId :
S-829-J-SO-2-2.5-092221

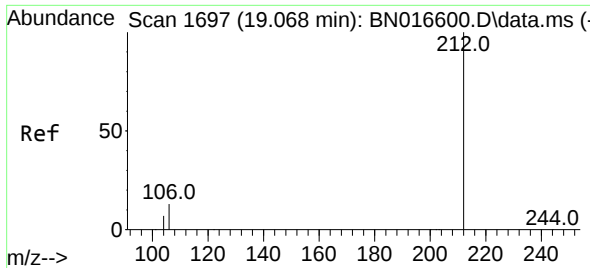
Tgt Ion:178 Resp: 298884
Ion Ratio Lower Upper
178 100
176 18.6 15.0 22.4
179 14.9 12.2 18.4



#26
Anthracene
Concen: 0.202 ng
RT: 17.152 min Scan# 1414
Delta R.T. 0.000 min
Lab File: BN016704.D
Acq: 03 Oct 2021 12:24

Tgt Ion:178 Resp: 70521
Ion Ratio Lower Upper
178 100
176 18.5 14.6 21.8
179 20.4 12.2 18.4#

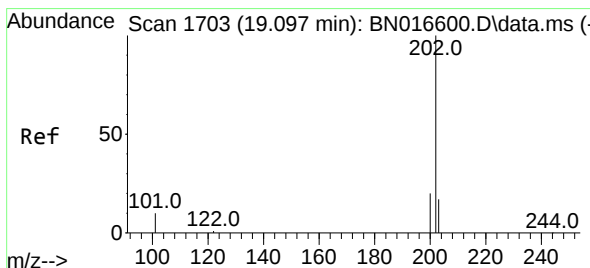
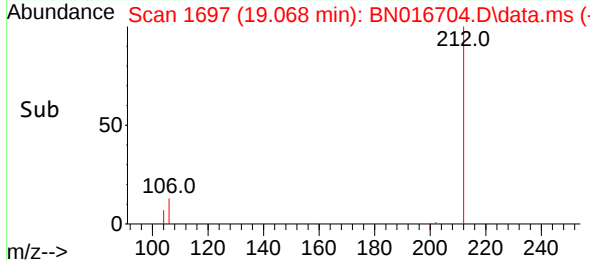
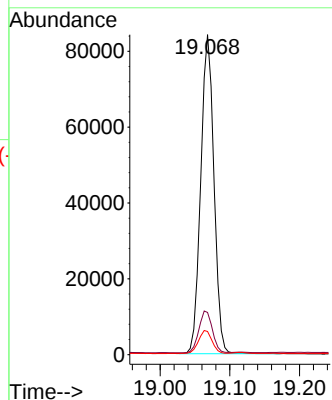
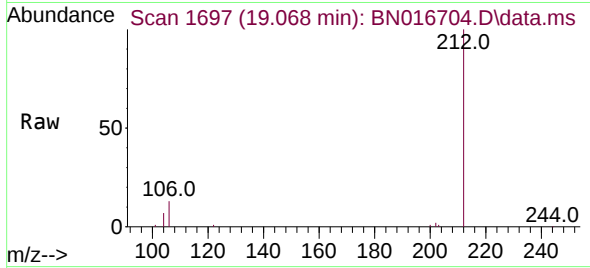




#27
Fluoranthene-d10
Concen: 0.310 ng
RT: 19.068 min Scan# 1697
Delta R.T. 0.000 min
Lab File: BN016704.D
Acq: 03 Oct 2021 12:24

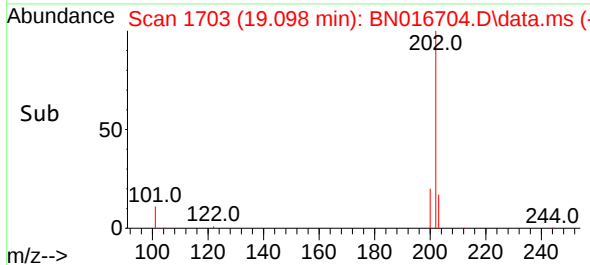
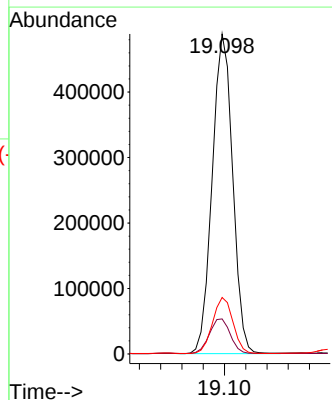
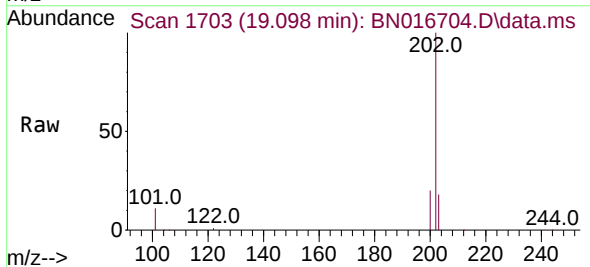
Instrument :
BNA_N
ClientSampleId :
S-829-J-SO-2-2.5-092221

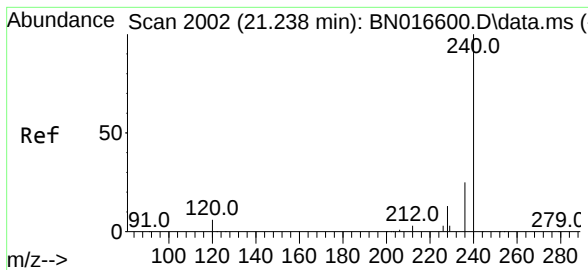
Tgt Ion:212 Resp: 110834
Ion Ratio Lower Upper
212 100
106 13.3 10.6 16.0
104 7.3 5.9 8.9



#28
Fluoranthene
Concen: 1.495 ng
RT: 19.098 min Scan# 1703
Delta R.T. 0.000 min
Lab File: BN016704.D
Acq: 03 Oct 2021 12:24

Tgt Ion:202 Resp: 652273
Ion Ratio Lower Upper
202 100
101 11.0 9.0 13.4
203 17.4 13.8 20.6

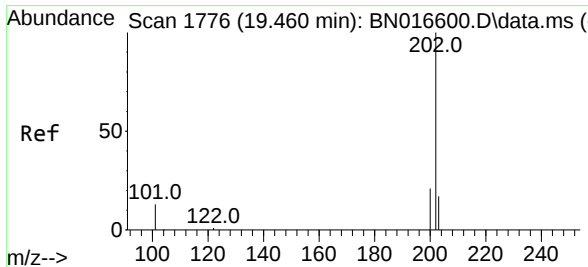
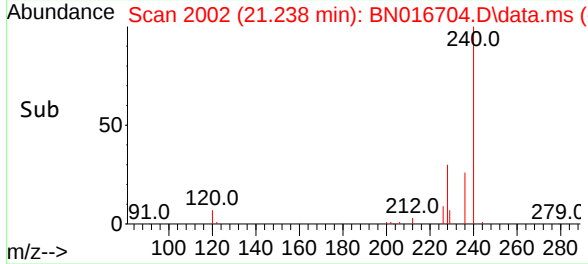
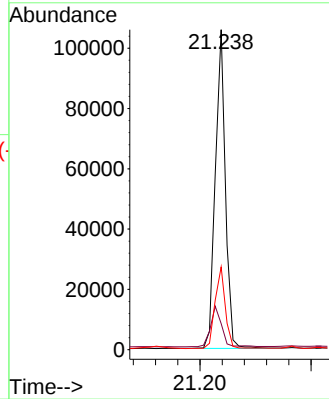
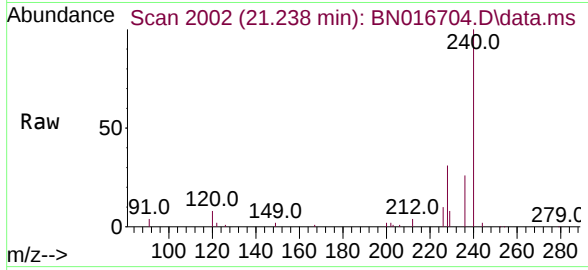




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.238 min Scan# 2002
Delta R.T. 0.000 min
Lab File: BN016704.D
Acq: 03 Oct 2021 12:24

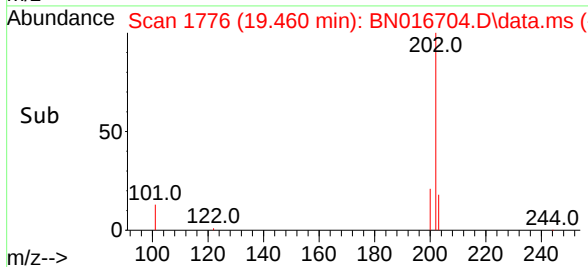
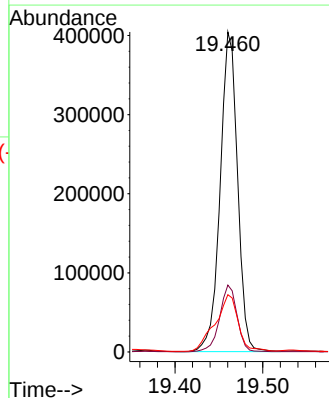
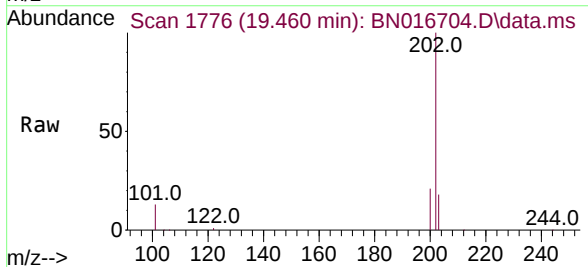
Instrument :
BNA_N
ClientSampleId :
S-829-J-SO-2-2.5-092221

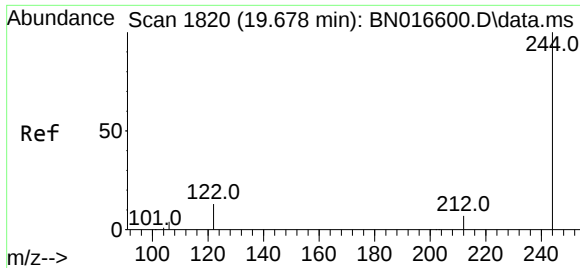
Tgt Ion:240 Resp: 133452
Ion Ratio Lower Upper
240 100
120 8.1 5.0 7.4#
236 25.9 20.4 30.6



#30
Pyrene
Concen: 1.285 ng
RT: 19.460 min Scan# 1776
Delta R.T. 0.000 min
Lab File: BN016704.D
Acq: 03 Oct 2021 12:24

Tgt Ion:202 Resp: 554774
Ion Ratio Lower Upper
202 100
200 20.9 16.5 24.7
203 23.4 14.0 21.0#

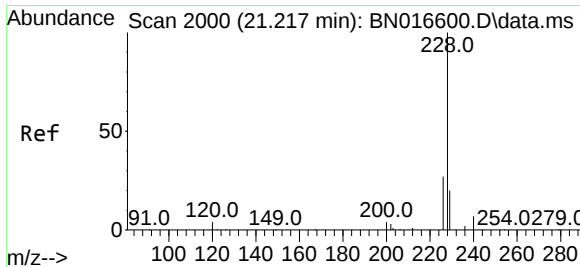
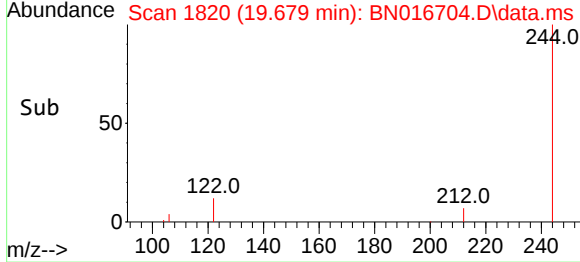
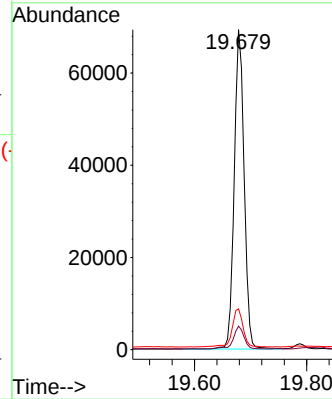
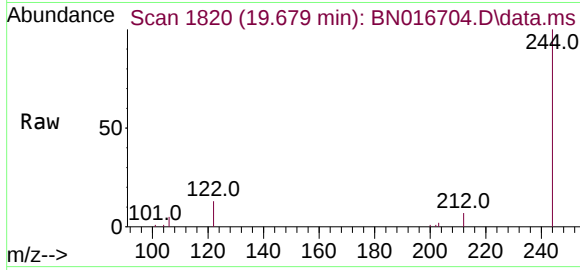




#31
 Terphenyl-d14
 Concen: 0.293 ng
 RT: 19.679 min Scan# 1820
 Delta R.T. 0.000 min
 Lab File: BN016704.D
 Acq: 03 Oct 2021 12:24

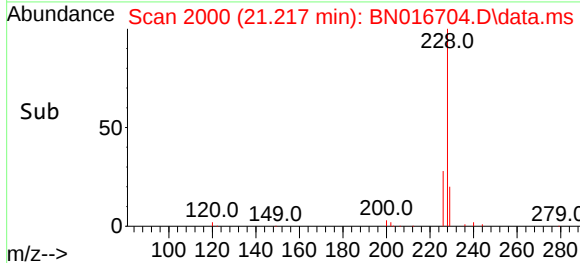
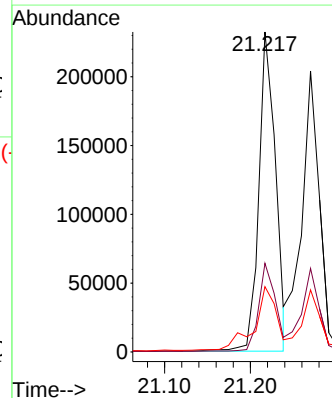
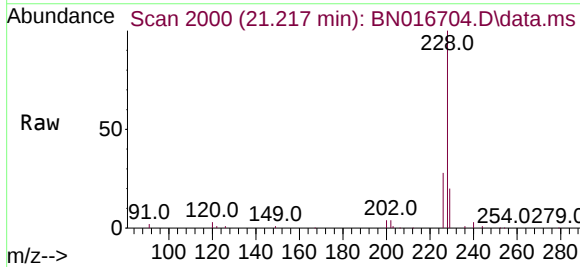
Instrument :
 BNA_N
 ClientSampleId :
 S-829-J-SO-2-2.5-092221

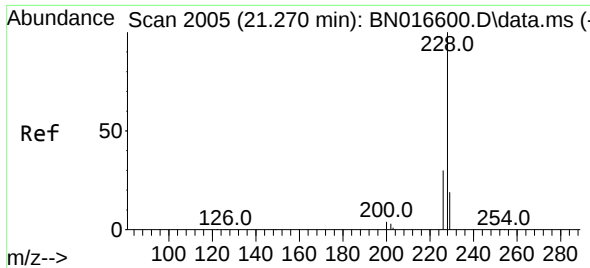
Tgt Ion:244 Resp: 84888
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.0 9.0
 122 12.7 10.1 15.1



#32
 Benzo(a)anthracene
 Concen: 0.766 ng
 RT: 21.217 min Scan# 2000
 Delta R.T. 0.000 min
 Lab File: BN016704.D
 Acq: 03 Oct 2021 12:24

Tgt Ion:228 Resp: 313863
 Ion Ratio Lower Upper
 228 100
 226 27.7 21.9 32.9
 229 20.4 15.7 23.5

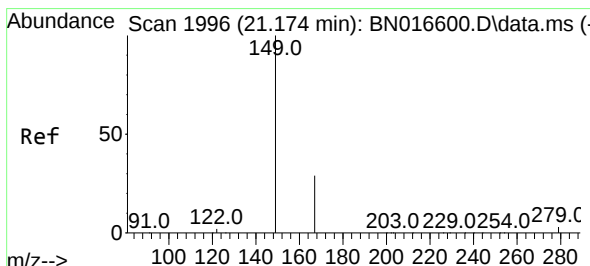
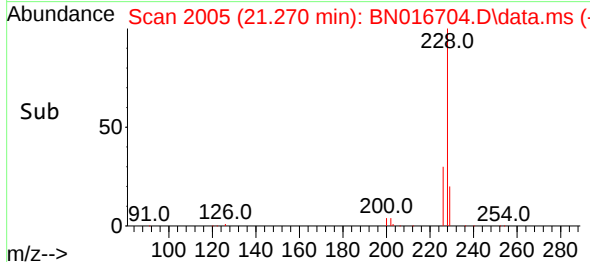
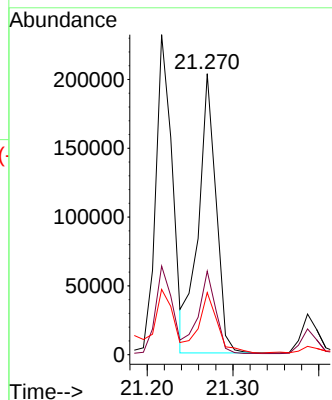
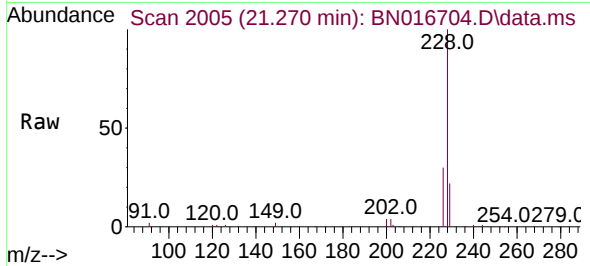




#33
Chrysene
Concen: 0.699 ng
RT: 21.270 min Scan# 2005
Delta R.T. 0.000 min
Lab File: BN016704.D
Acq: 03 Oct 2021 12:24

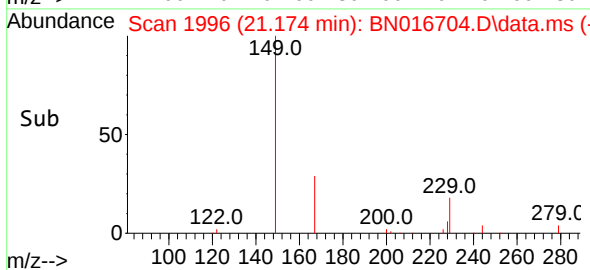
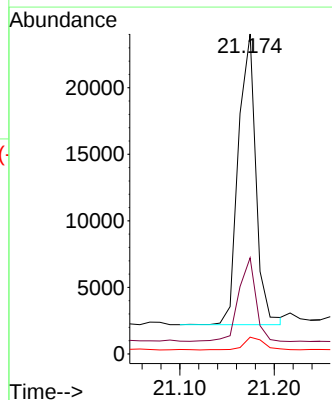
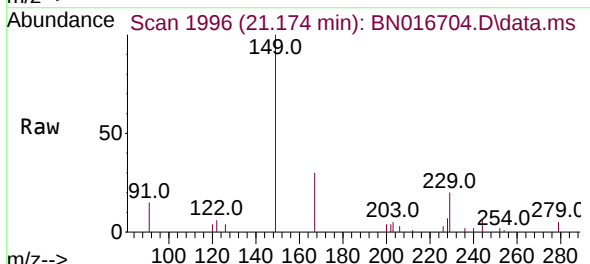
Instrument :
BNA_N
ClientSampleId :
S-829-J-SO-2-2.5-092221

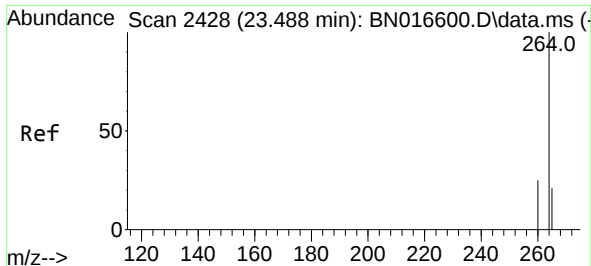
Tgt Ion:228	Resp: 289815
Ion Ratio	Lower Upper
228	100
226	29.7 23.7 35.5
229	22.1 15.5 23.3



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.173 ng
RT: 21.174 min Scan# 1996
Delta R.T. 0.000 min
Lab File: BN016704.D
Acq: 03 Oct 2021 12:24

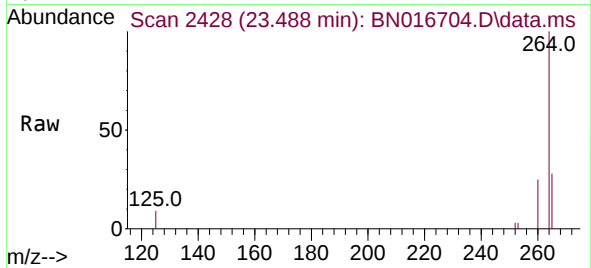
Tgt Ion:149	Resp: 28238
Ion Ratio	Lower Upper
149	100
167	28.2 22.2 33.4
279	5.0 3.2 4.8#





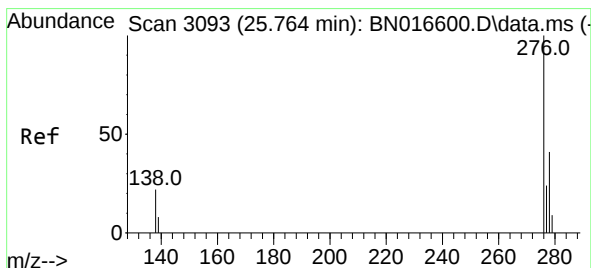
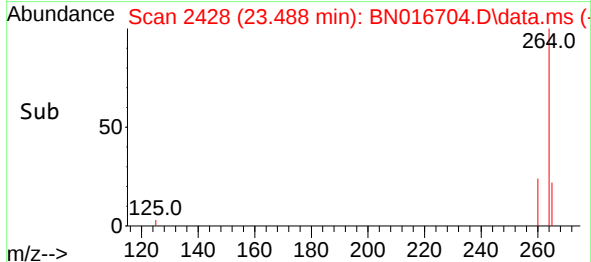
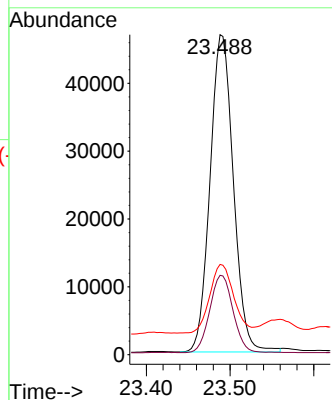
#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.488 min Scan# 2428
 Delta R.T. 0.000 min
 Lab File: BN016704.D
 Acq: 03 Oct 2021 12:24

Instrument :
 BNA_N
 ClientSampleId :
 S-829-J-SO-2-2.5-092221



Tgt Ion:264 Resp: 90619

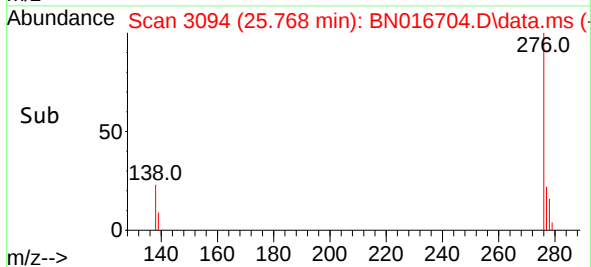
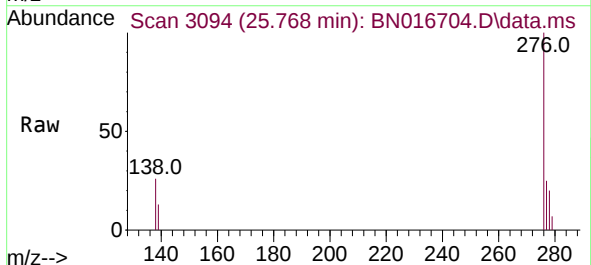
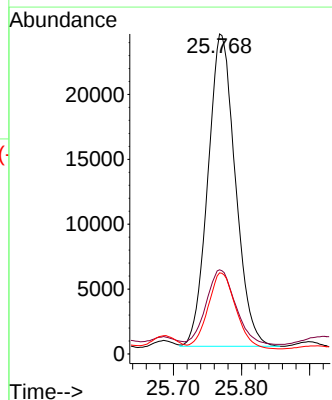
Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.9	29.9
265	28.2	19.2	28.8

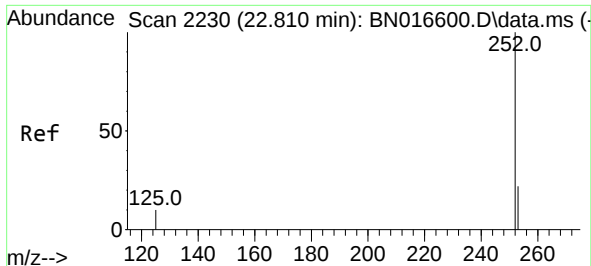


#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.208 ng
 RT: 25.768 min Scan# 3094
 Delta R.T. 0.004 min
 Lab File: BN016704.D
 Acq: 03 Oct 2021 12:24

Tgt Ion:276 Resp: 67268

Ion	Ratio	Lower	Upper
276	100		
138	25.5	19.5	29.3
277	24.8	19.9	29.9

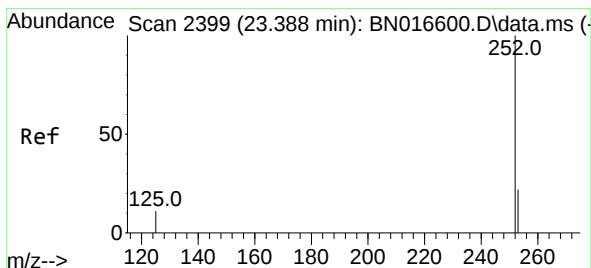
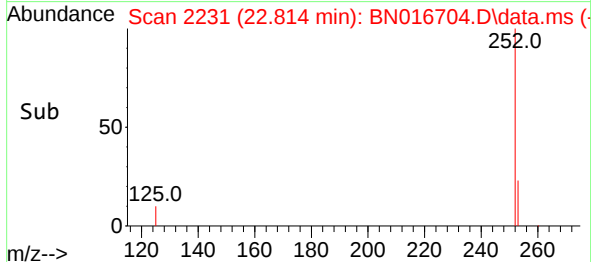
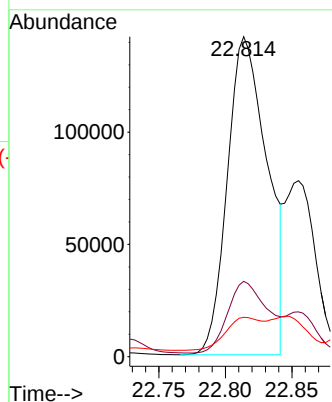
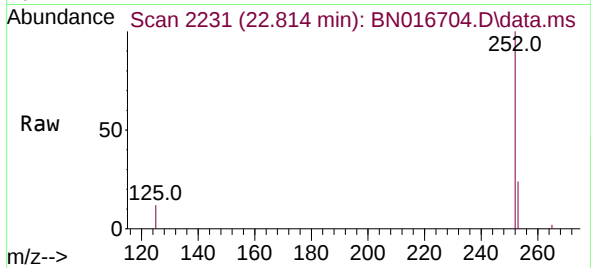




#37
Benzo(b)fluoranthene
Concen: 1.013 ng
RT: 22.814 min Scan# 2231
Delta R.T. 0.004 min
Lab File: BN016704.D
Acq: 03 Oct 2021 12:24

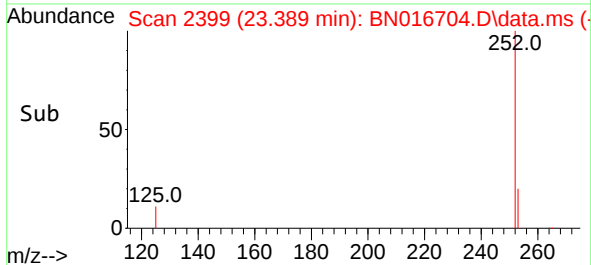
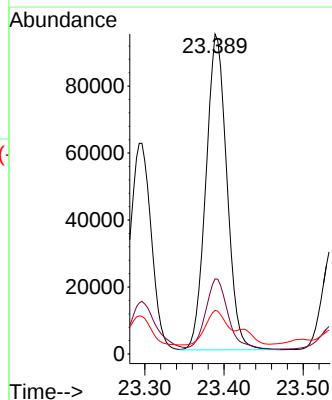
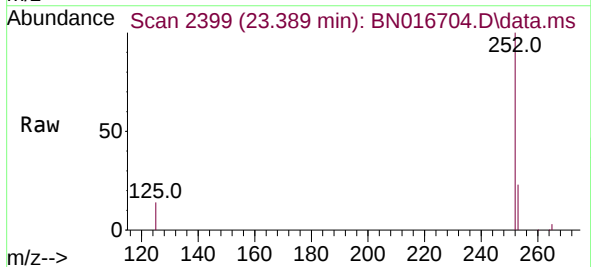
Instrument :
BNA_N
ClientSampleId :
S-829-J-SO-2-2.5-092221

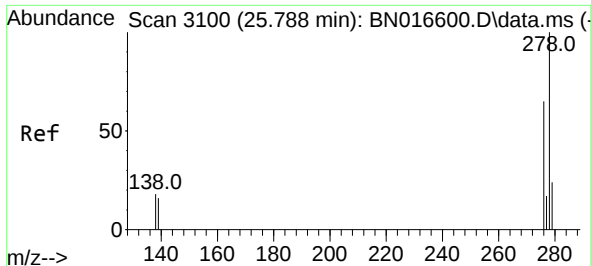
Tgt Ion:252 Resp: 294968
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.8
125 12.3 8.0 12.0#



#39
Benzo(a)pyrene
Concen: 0.668 ng
RT: 23.389 min Scan# 2399
Delta R.T. 0.000 min
Lab File: BN016704.D
Acq: 03 Oct 2021 12:24

Tgt Ion:252 Resp: 173229
Ion Ratio Lower Upper
252 100
253 23.4 17.8 26.8
125 13.6 9.0 13.4#

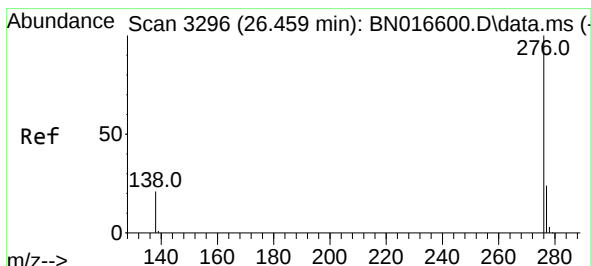
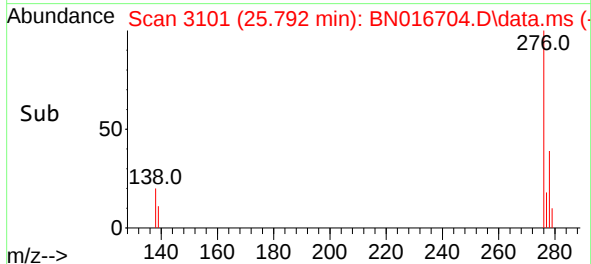
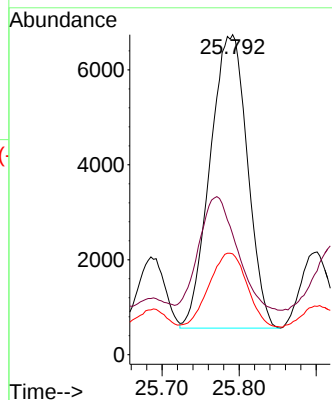
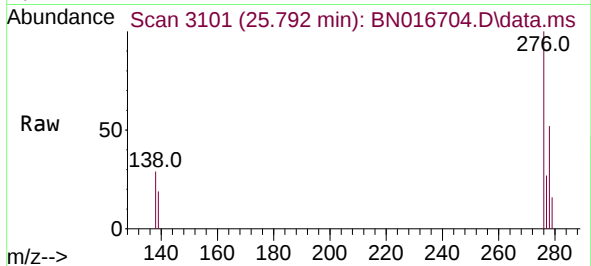




#40
Dibenzo(a,h)anthracene
Concen: 0.080 ng
RT: 25.792 min Scan# 3101
Delta R.T. 0.004 min
Lab File: BN016704.D
Acq: 03 Oct 2021 12:24

Instrument :
BNA_N
ClientSampleId :
S-829-J-SO-2-2.5-092221

Tgt Ion:278 Resp: 20762
Ion Ratio Lower Upper
278 100
139 37.6 13.1 19.7#
279 31.5 19.1 28.7#



#41
Benzo(g,h,i)perylene
Concen: 0.183 ng
RT: 26.473 min Scan# 3300
Delta R.T. 0.014 min
Lab File: BN016704.D
Acq: 03 Oct 2021 12:24

Tgt Ion:276 Resp: 52216
Ion Ratio Lower Upper
276 100
277 25.6 19.0 28.6
138 29.8 16.9 25.3#

