

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100421\
 Data File : BN016768.D
 Acq On : 06 Oct 2021 07:30
 Operator : CG/JU
 Sample : M3892-18DL5X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-832-J-SO-2-2.5-092221DL

Quant Time: Oct 06 08:18:16 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN100421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 04 17:52:33 2021
 Response via : Initial Calibration

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

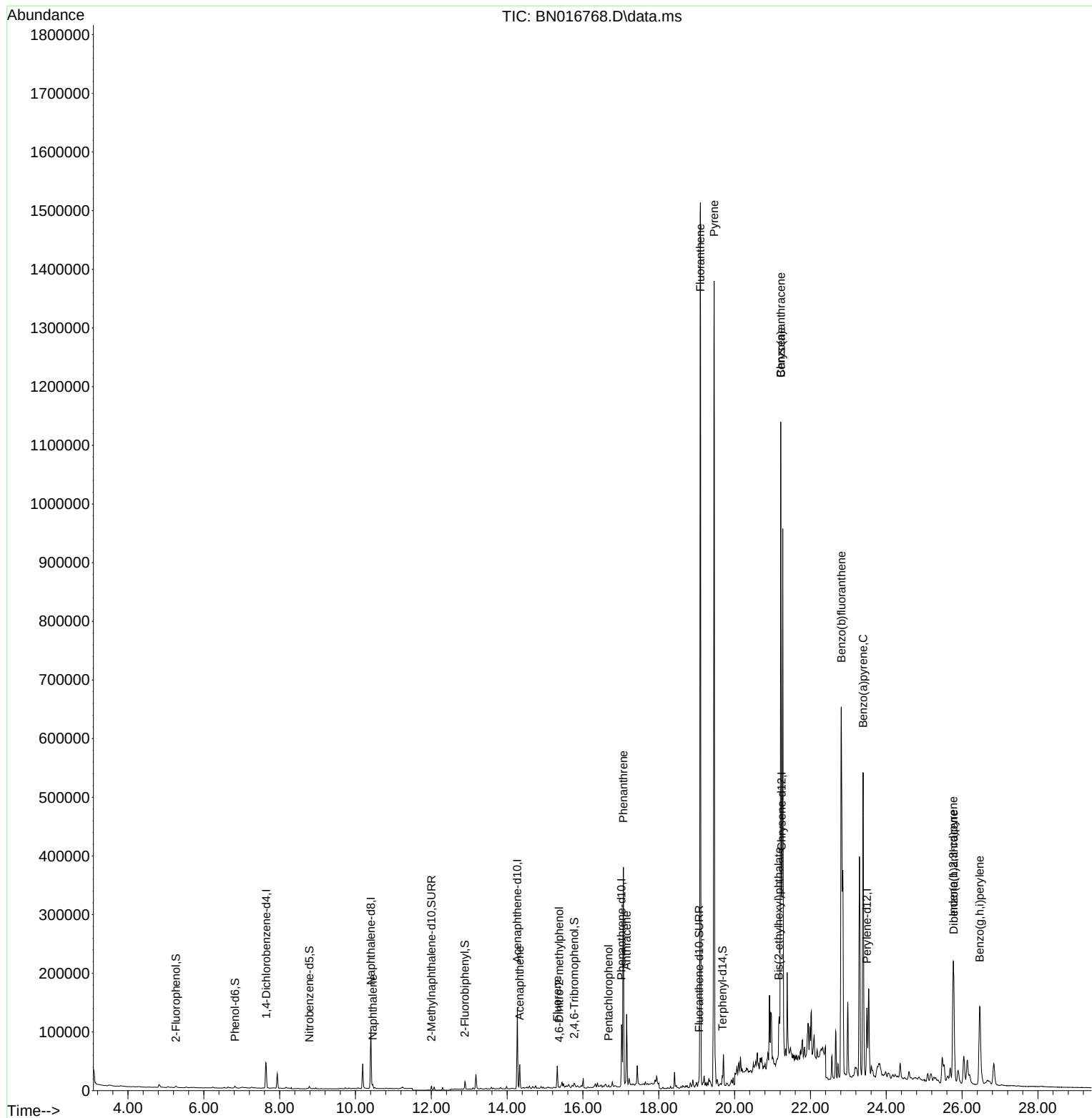
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.642	152	28986	0.400	ng	0.00
7) Naphthalene-d8	10.407	136	134595	0.400	ng	# 0.00
13) Acenaphthene-d10	14.269	164	76154	0.400	ng	0.00
19) Phenanthrene-d10	17.018	188	148626	0.400	ng	#-0.01
29) Chrysene-d12	21.238	240	146567	0.400	ng	0.00
35) Perylene-d12	23.488	264	153366	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.263	112	3563	0.048	ng	0.00
5) Phenol-d6	6.822	99	3672	0.045	ng	0.00
8) Nitrobenzene-d5	8.784	82	4147	0.044	ng	0.00
11) 2-Methylnaphthalene-d10	12.003	152	9405	0.047	ng	0.00
14) 2,4,6-Tribromophenol	15.766	330	1697	0.155	ng	-0.01
15) 2-Fluorobiphenyl	12.886	172	11801	0.039	ng	-0.01
27) Fluoranthene-d10	19.063	212	18221	0.045	ng	0.00
31) Terphenyl-d14	19.679	244	14932	0.046	ng	0.00
Target Compounds						
						Qvalue
9) Naphthalene	10.457	128	9203	0.025	ng	# 96
17) Acenaphthene	14.332	154	19870	0.089	ng	99
18) Fluorene	15.322	166	22906	0.085	ng	97
20) 4,6-Dinitro-2-methylph...	15.373	198	29	0.268	ng	# 1
24) Pentachlorophenol	16.677	266	169	0.342	ng	# 67
25) Phenanthrene	17.066	178	400259	0.916	ng	99
26) Anthracene	17.151	178	119737	0.307	ng	97
28) Fluoranthene	19.098	202	1365720	2.817	ng	100
30) Pyrene	19.460	202	1261360	2.617	ng	# 92
32) Benzo(a)anthracene	21.217	228	905006	1.991	ng	97
33) Chrysene	21.217	228	827291	1.794	ng	95
34) Bis(2-ethylhexyl)phtha...	21.164	149	64762	0.235	ng	97
36) Indeno(1,2,3-cd)pyrene	25.768	276	333038	0.684	ng	98
37) Benzo(b)fluoranthene	22.814	252	1064179	2.146	ng	97
39) Benzo(a)pyrene	23.389	252	731090	1.648	ng	98
40) Dibenzo(a,h)anthracene	25.781	278	95142	0.246	ng	# 81
41) Benzo(g,h,i)perylene	26.466	276	291810	0.675	ng	97

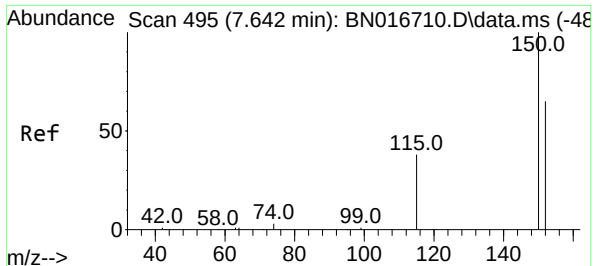
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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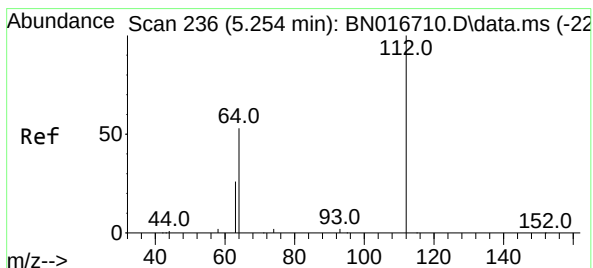
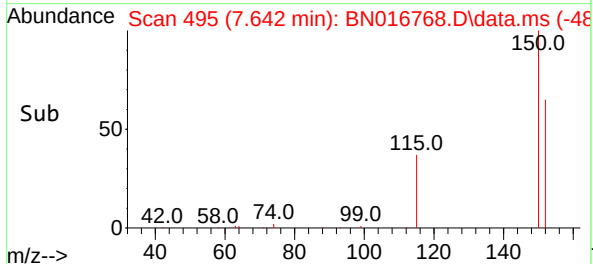
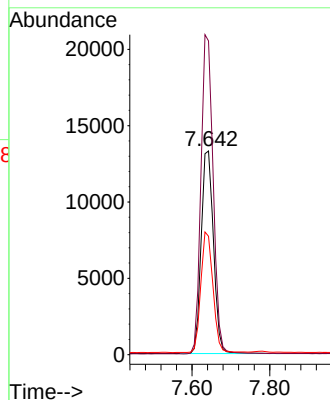
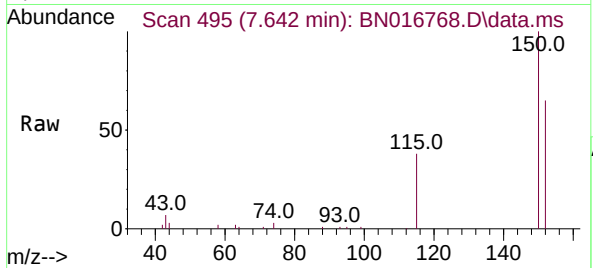




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.642 min Scan# 495
Delta R.T. 0.000 min
Lab File: BN016768.D
Acq: 06 Oct 2021 07:30

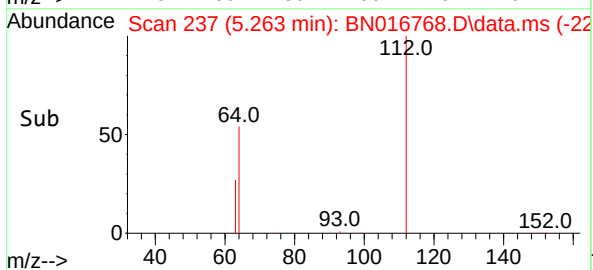
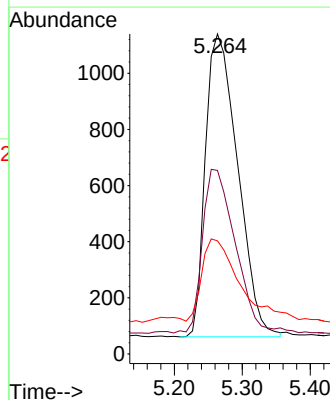
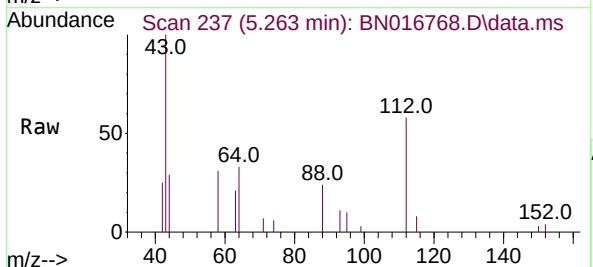
Instrument :
BNA_N
ClientSampleId :
S-832-J-SO-2-2.5-092221DL

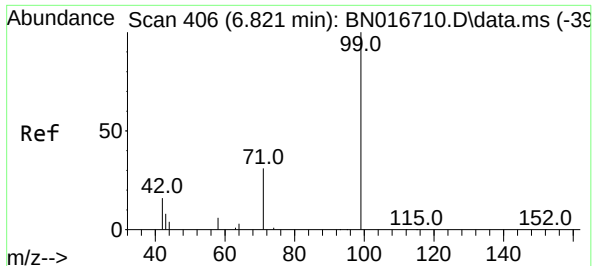
Tgt Ion:152 Resp: 28986
Ion Ratio Lower Upper
152 100
150 154.0 123.3 184.9
115 58.1 47.0 70.6



#4
2-Fluorophenol
Concen: 0.048 ng
RT: 5.263 min Scan# 237
Delta R.T. 0.010 min
Lab File: BN016768.D
Acq: 06 Oct 2021 07:30

Tgt Ion:112 Resp: 3563
Ion Ratio Lower Upper
112 100
64 54.7 42.9 64.3
63 31.3 21.5 32.3

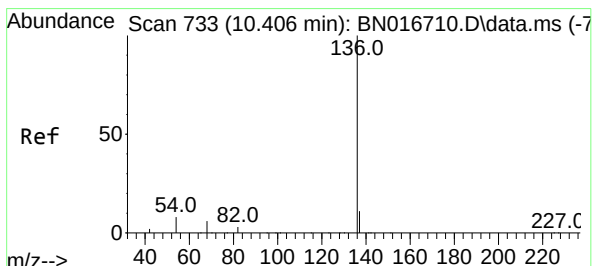
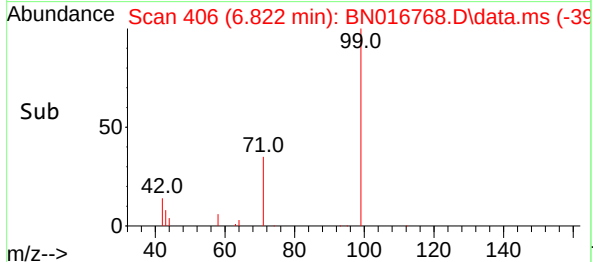
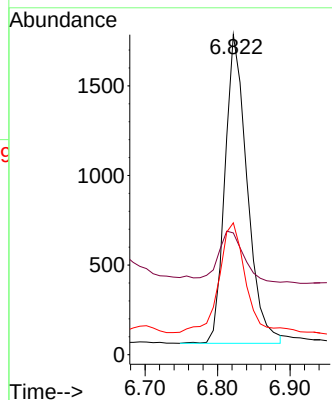
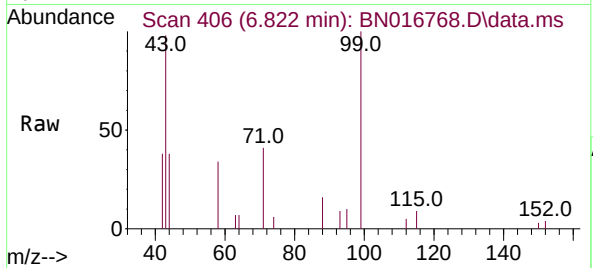




#5
Phenol-d6
Concen: 0.045 ng
RT: 6.822 min Scan# 406
Delta R.T. 0.000 min
Lab File: BN016768.D
Acq: 06 Oct 2021 07:30

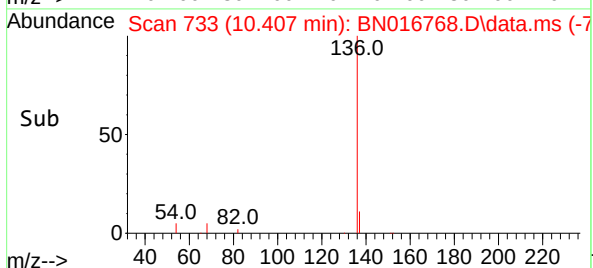
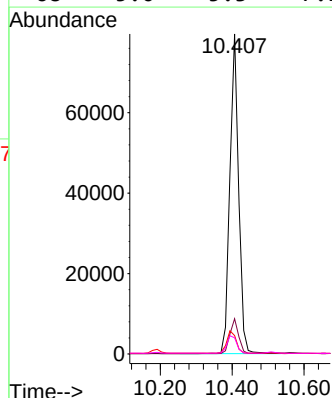
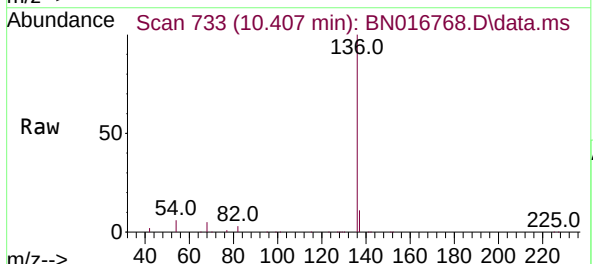
Instrument :
BNA_N
ClientSampleId :
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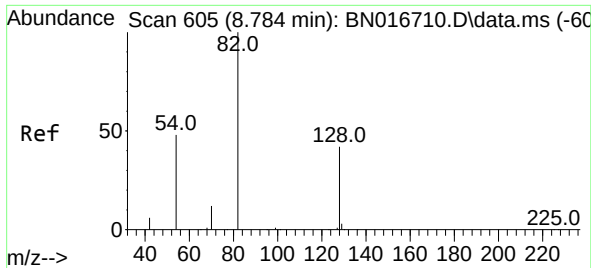
Tgt Ion: 99 Resp: 3672
Ion Ratio Lower Upper
99 100
42 19.1 13.4 20.2
71 41.2 24.0 36.0#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.407 min Scan# 733
Delta R.T. 0.000 min
Lab File: BN016768.D
Acq: 06 Oct 2021 07:30

Tgt Ion: 136 Resp: 134595
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 5.8 6.5 9.7#
68 5.0 5.3 7.9#

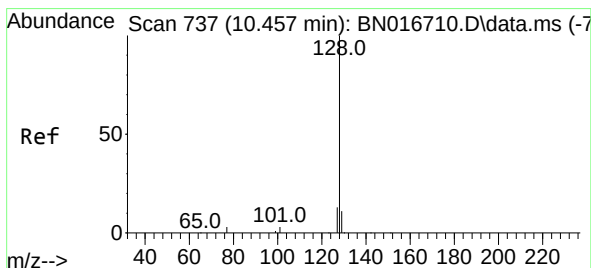
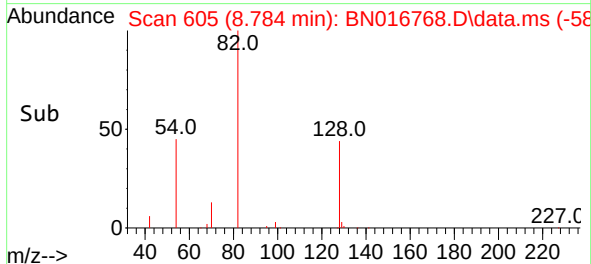
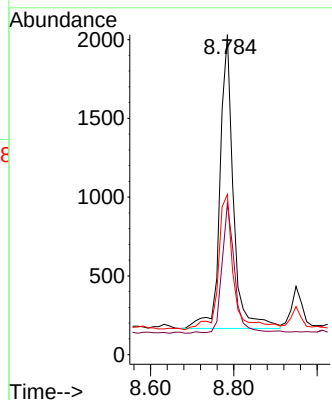
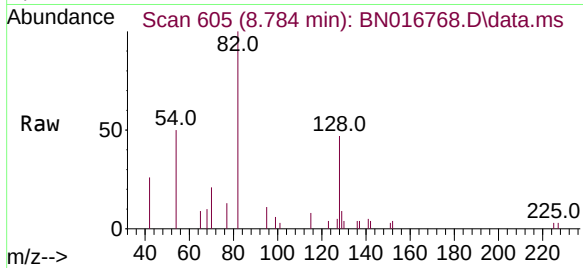




#8
Nitrobenzene-d5
Concen: 0.044 ng
RT: 8.784 min Scan# 605
Delta R.T. 0.000 min
Lab File: BN016768.D
Acq: 06 Oct 2021 07:30

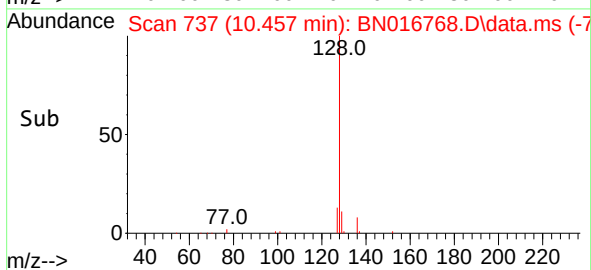
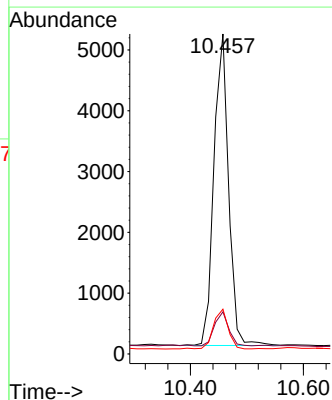
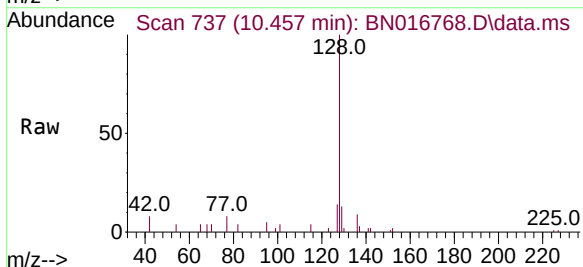
Instrument :
BNA_N
ClientSampleId :
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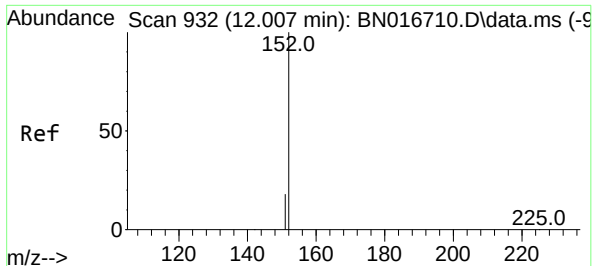
Tgt Ion:	82	Resp:	4147
Ion	Ratio	Lower	Upper
82	100		
128	47.3	33.8	50.6
54	50.1	38.5	57.7



#9
Naphthalene
Concen: 0.025 ng
RT: 10.457 min Scan# 737
Delta R.T. 0.000 min
Lab File: BN016768.D
Acq: 06 Oct 2021 07:30

Tgt Ion:	128	Resp:	9203
Ion	Ratio	Lower	Upper
128	100		
129	13.1	8.7	13.1#
127	14.0	10.3	15.5

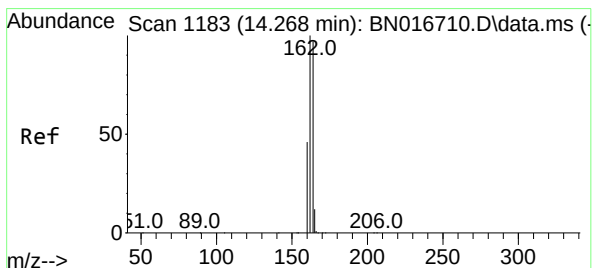
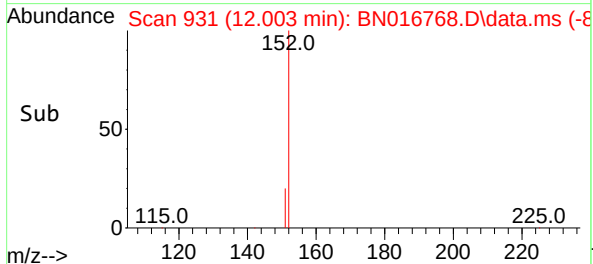
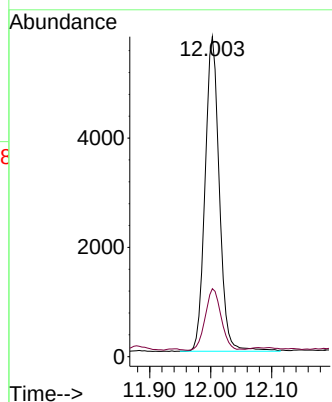
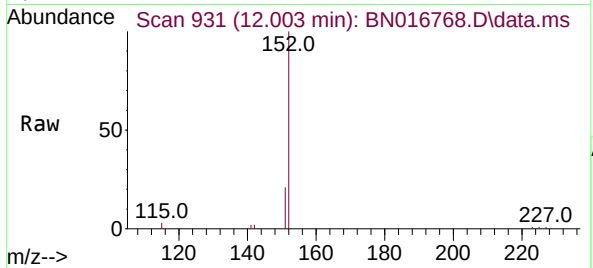




#11
2-Methylnaphthalene-d10
Concen: 0.047 ng
RT: 12.003 min Scan# 931
Delta R.T. -0.004 min
Lab File: BN016768.D
Acq: 06 Oct 2021 07:30

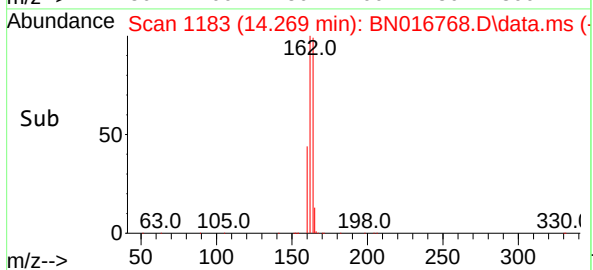
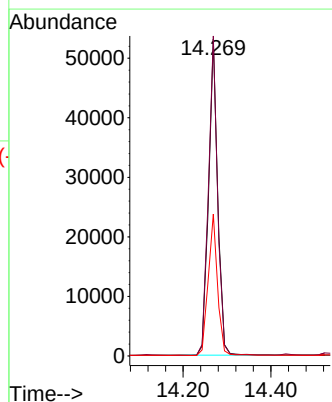
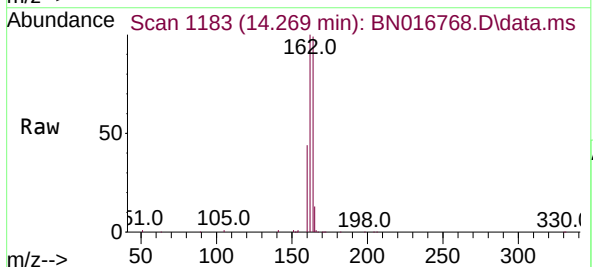
Instrument :
BNA_N
ClientSampleId :
S-832-J-SO-2-2.5-092221DL

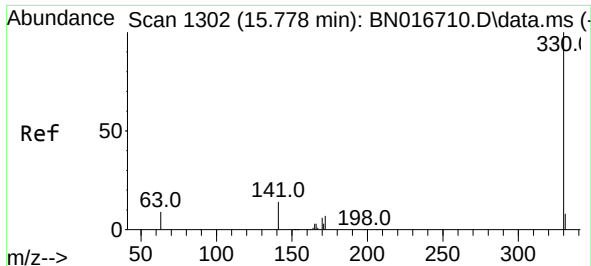
Tgt Ion:152 Resp: 9405
Ion Ratio Lower Upper
152 100
151 21.9 16.2 24.4



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.269 min Scan# 1183
Delta R.T. 0.000 min
Lab File: BN016768.D
Acq: 06 Oct 2021 07:30

Tgt Ion:164 Resp: 76154
Ion Ratio Lower Upper
164 100
162 101.0 82.6 124.0
160 44.8 38.2 57.2

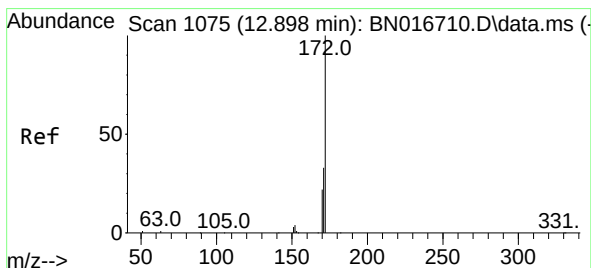
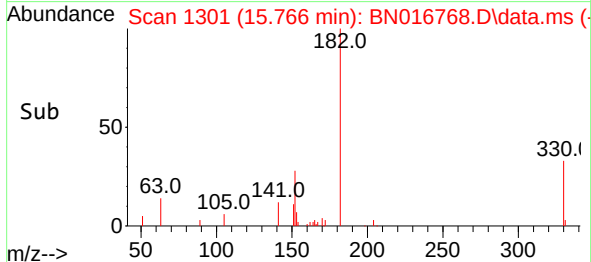
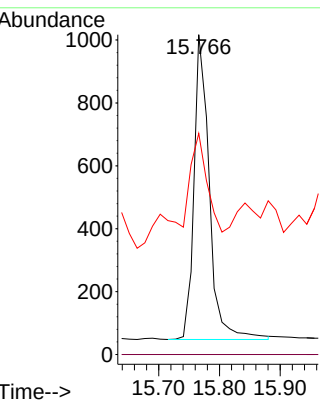
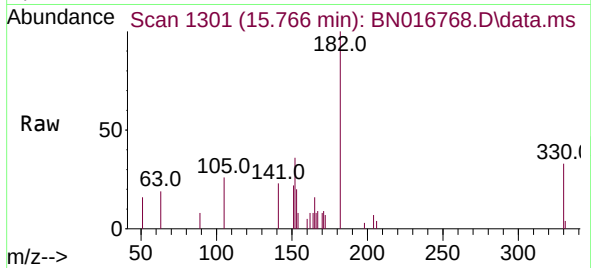




#14
2,4,6-Tribromophenol
Concen: 0.155 ng
RT: 15.766 min Scan# 1301
Delta R.T. -0.012 min
Lab File: BN016768.D
Acq: 06 Oct 2021 07:30

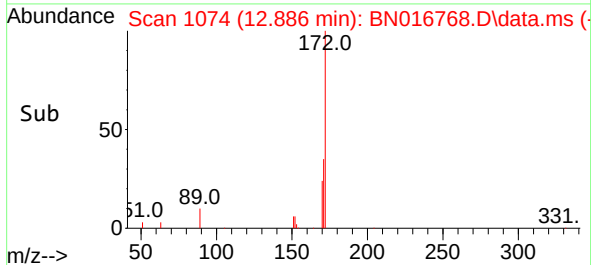
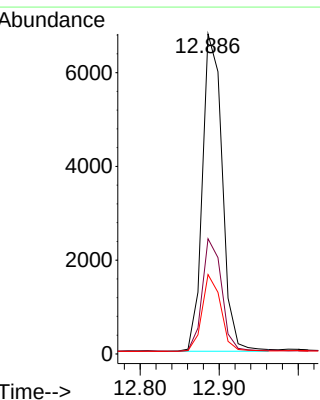
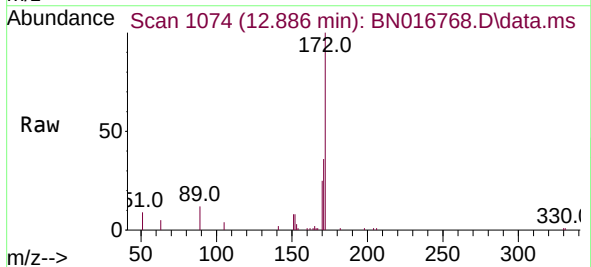
Instrument :
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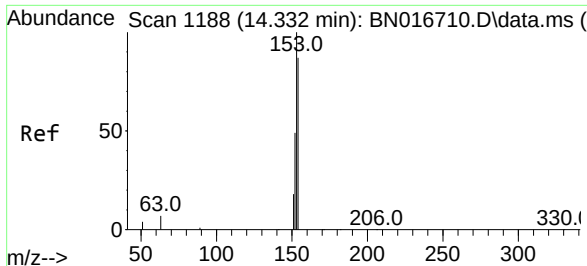
Tgt Ion:330 Resp: 1697
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 34.6 24.2 36.2



#15
2-Fluorobiphenyl
Concen: 0.039 ng
RT: 12.886 min Scan# 1074
Delta R.T. -0.012 min
Lab File: BN016768.D
Acq: 06 Oct 2021 07:30

Tgt Ion:172 Resp: 11801
Ion Ratio Lower Upper
172 100
171 36.0 26.9 40.3
170 24.8 17.4 26.0

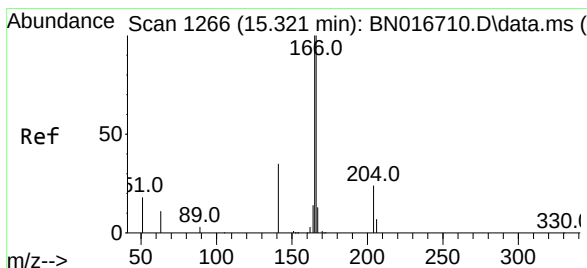
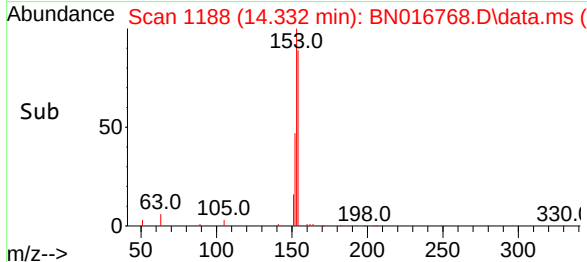
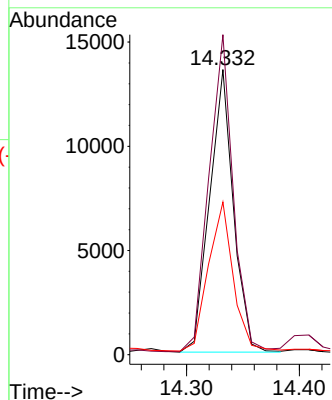
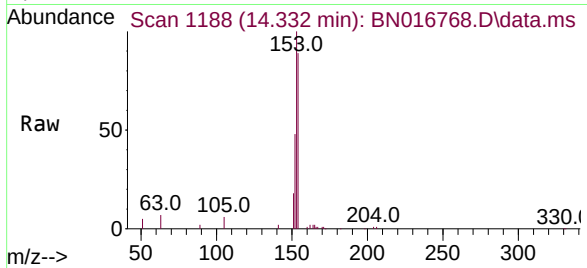




#17
Acenaphthene
Concen: 0.089 ng
RT: 14.332 min Scan# 1188
Delta R.T. 0.000 min
Lab File: BN016768.D
Acq: 06 Oct 2021 07:30

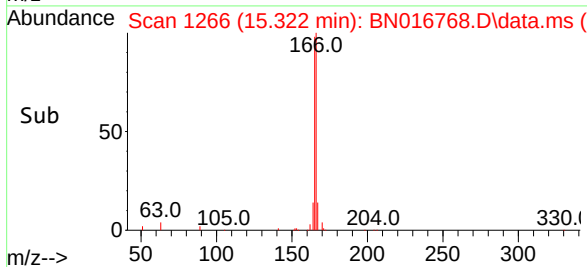
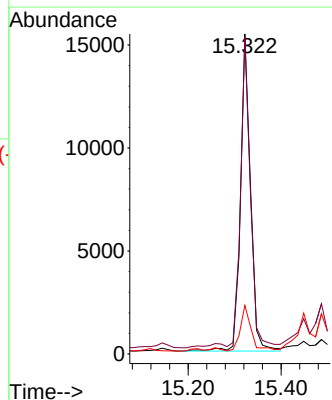
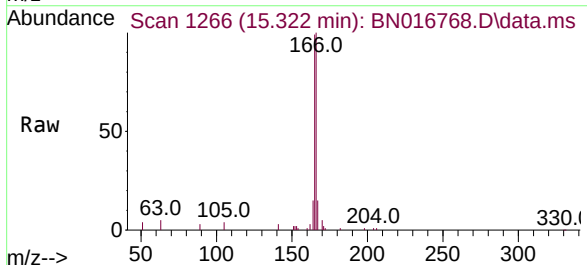
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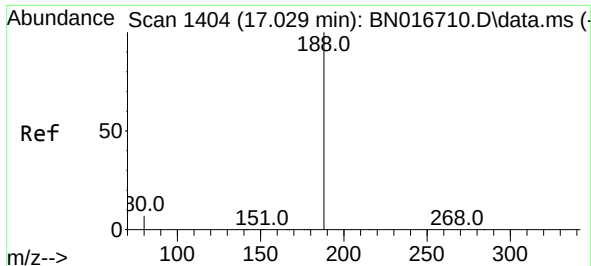
Tgt Ion:154 Resp: 19870
Ion Ratio Lower Upper
154 100
153 113.5 90.1 135.1
152 55.4 43.6 65.4



#18
Fluorene
Concen: 0.085 ng
RT: 15.322 min Scan# 1266
Delta R.T. 0.001 min
Lab File: BN016768.D
Acq: 06 Oct 2021 07:30

Tgt Ion:166 Resp: 22906
Ion Ratio Lower Upper
166 100
165 94.5 78.1 117.1
167 15.5 10.7 16.1

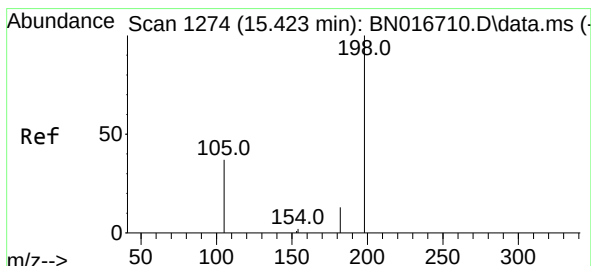
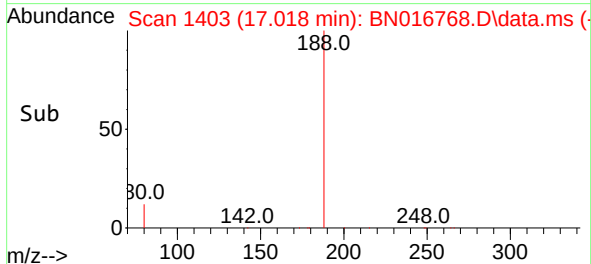
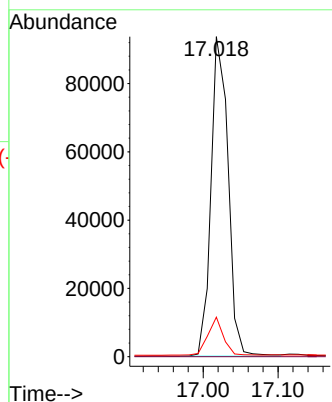
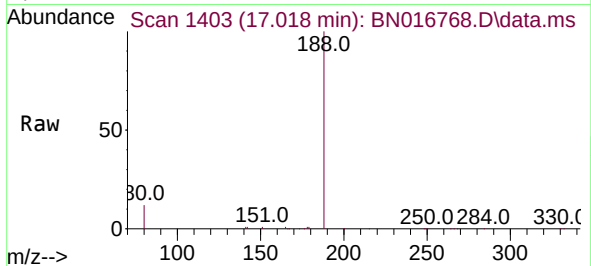




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.018 min Scan# 1403
Delta R.T. -0.012 min
Lab File: BN016768.D
Acq: 06 Oct 2021 07:30

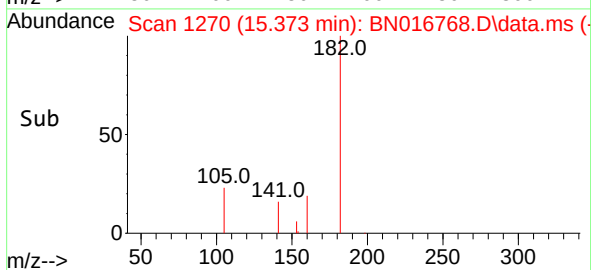
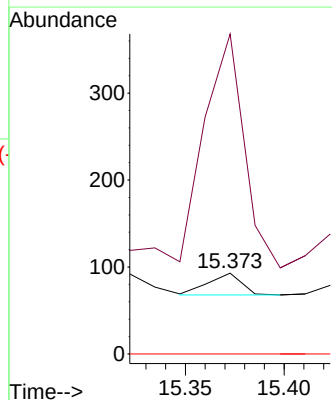
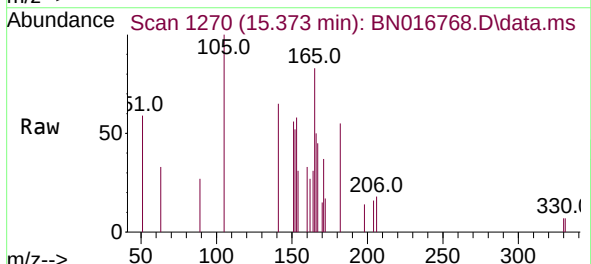
Instrument :
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ClientSampleId :
S-832-J-SO-2-2.5-092221DL

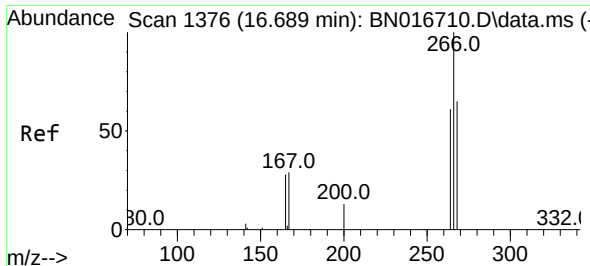
Tgt Ion:188 Resp: 148626
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 12.4 5.8 8.8#



#20
4,6-Dinitro-2-methylphenol
Concen: 0.268 ng
RT: 15.373 min Scan# 1270
Delta R.T. -0.050 min
Lab File: BN016768.D
Acq: 06 Oct 2021 07:30

Tgt Ion:198 Resp: 29
Ion Ratio Lower Upper
198 100
182 395.7 26.2 39.2#
77 0.0 0.0 0.0

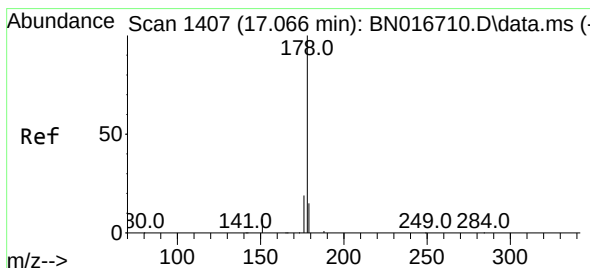
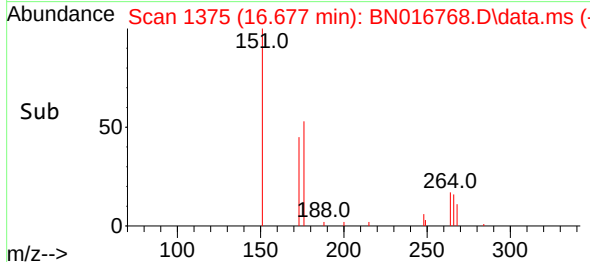
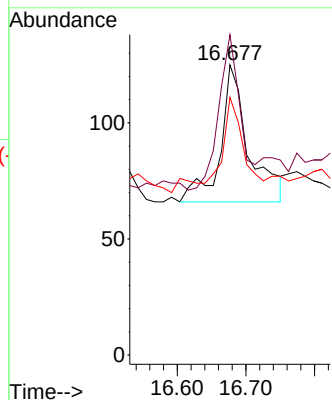
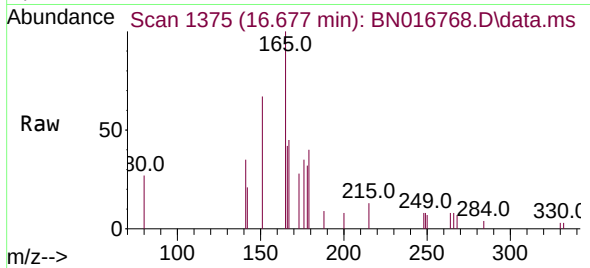




#24
 Pentachlorophenol
 Concen: 0.342 ng
 RT: 16.677 min Scan# 1375
 Delta R.T. -0.012 min
 Lab File: BN016768.D
 Acq: 06 Oct 2021 07:30

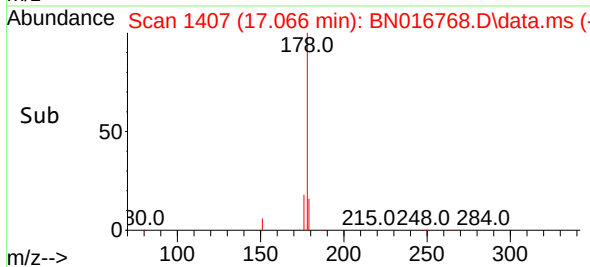
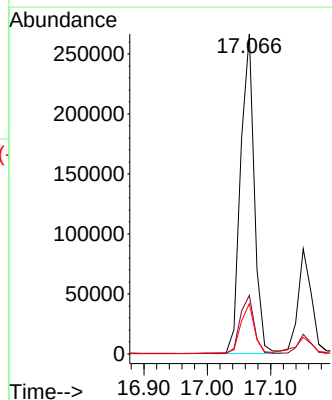
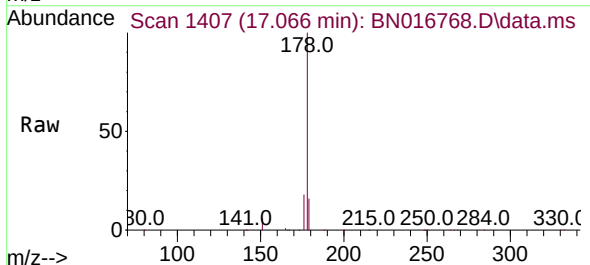
Instrument :
 BNA_N
 ClientSampleId :
 S-832-J-SO-2-2.5-092221DL

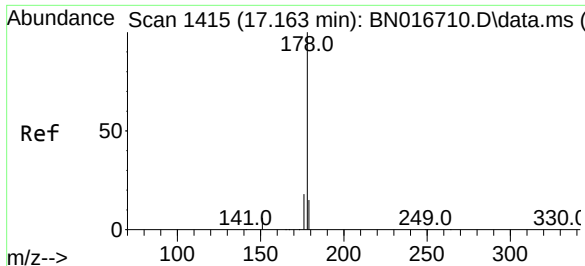
Tgt Ion:	266	Resp:	169
Ion	Ratio	Lower	Upper
266	100		
264	87.0	49.3	73.9#
268	38.5	51.8	77.8#



#25
 Phenanthrene
 Concen: 0.916 ng
 RT: 17.066 min Scan# 1407
 Delta R.T. 0.000 min
 Lab File: BN016768.D
 Acq: 06 Oct 2021 07:30

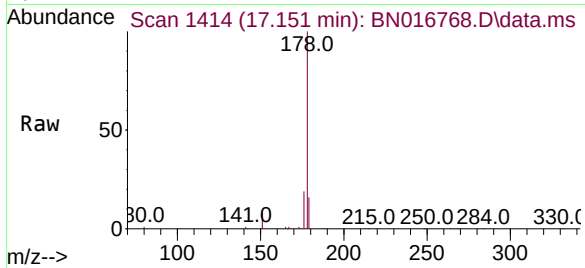
Tgt Ion:	178	Resp:	400259
Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.0	22.6
179	15.9	12.4	18.6





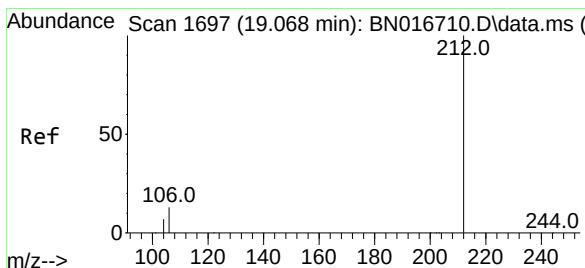
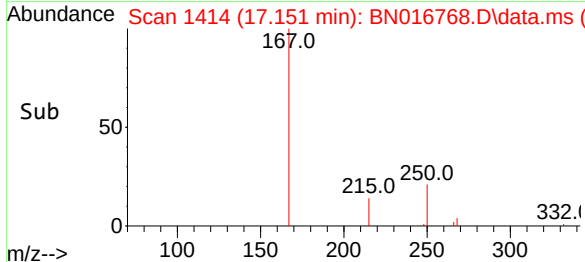
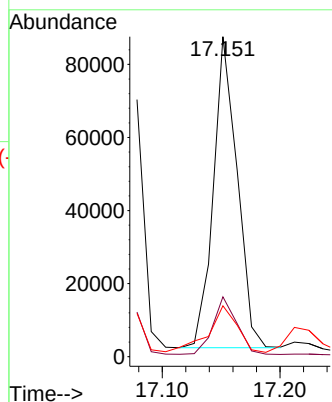
#26
 Anthracene
 Concen: 0.307 ng
 RT: 17.151 min Scan# 1414
 Delta R.T. -0.012 min
 Lab File: BN016768.D
 Acq: 06 Oct 2021 07:30

Instrument :
 BNA_N
 ClientSampleId :
 S-832-J-SO-2-2.5-092221DL



Tgt Ion:178 Resp: 119737

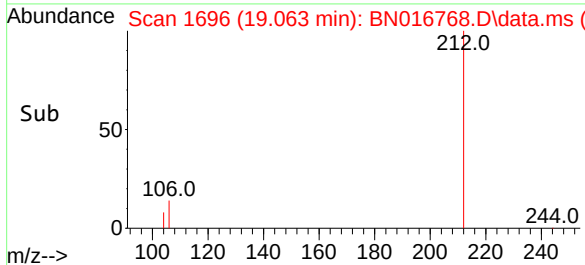
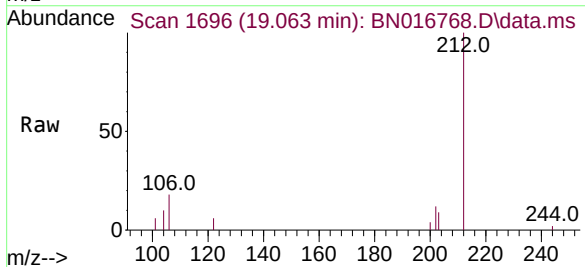
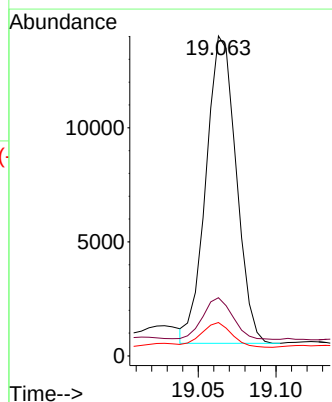
Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.5	21.7
179	18.2	12.2	18.4

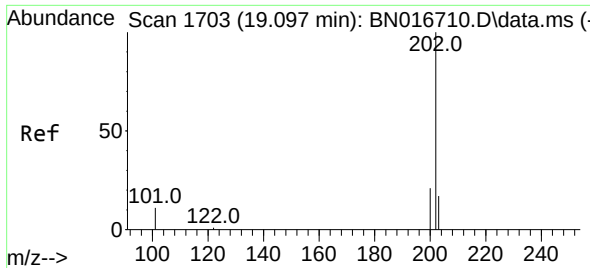


#27
 Fluoranthene-d10
 Concen: 0.045 ng
 RT: 19.063 min Scan# 1696
 Delta R.T. -0.005 min
 Lab File: BN016768.D
 Acq: 06 Oct 2021 07:30

Tgt Ion:212 Resp: 18221

Ion	Ratio	Lower	Upper
212	100		
106	13.4	10.6	16.0
104	8.1	5.8	8.8

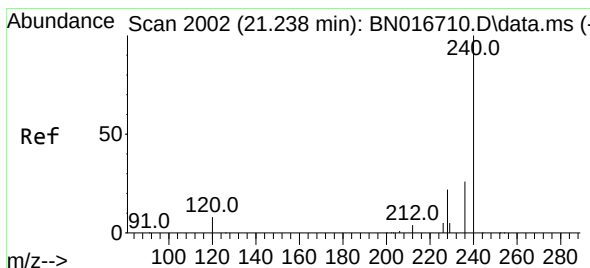
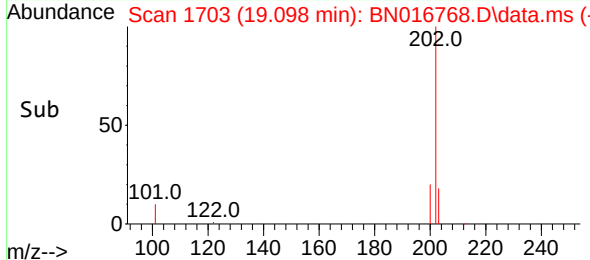
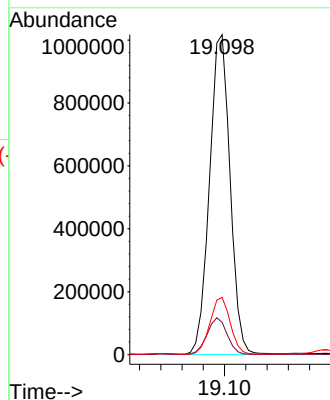
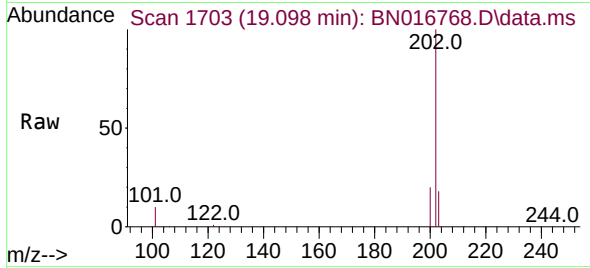




#28
Fluoranthene
Concen: 2.817 ng
RT: 19.098 min Scan# 1703
Delta R.T. 0.000 min
Lab File: BN016768.D
Acq: 06 Oct 2021 07:30

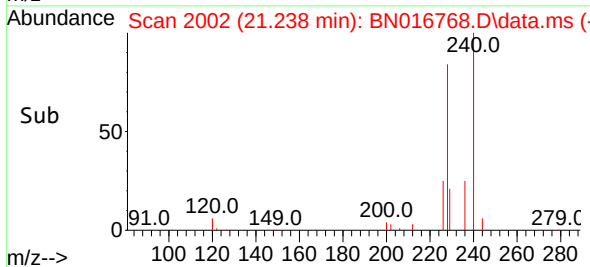
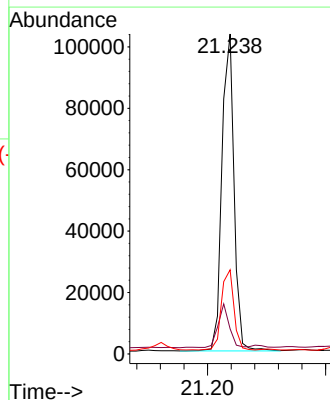
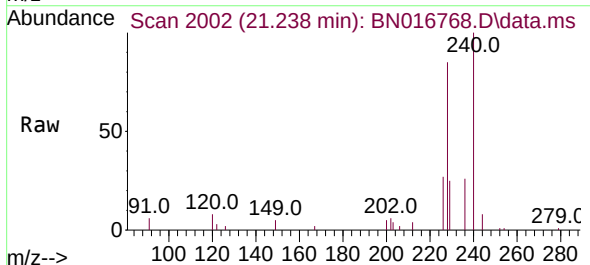
Instrument :
BNA_N
ClientSampleId :
S-832-J-SO-2-2.5-092221DL

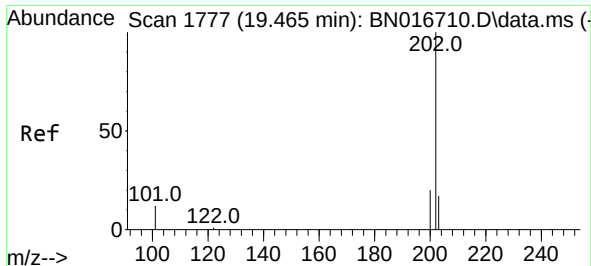
Tgt Ion:202 Resp: 1365720
Ion Ratio Lower Upper
202 100
101 11.1 8.9 13.3
203 17.6 13.8 20.8



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.238 min Scan# 2002
Delta R.T. 0.000 min
Lab File: BN016768.D
Acq: 06 Oct 2021 07:30

Tgt Ion:240 Resp: 146567
Ion Ratio Lower Upper
240 100
120 7.9 6.6 10.0
236 26.3 20.7 31.1

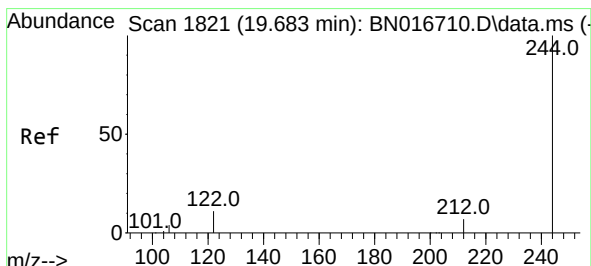
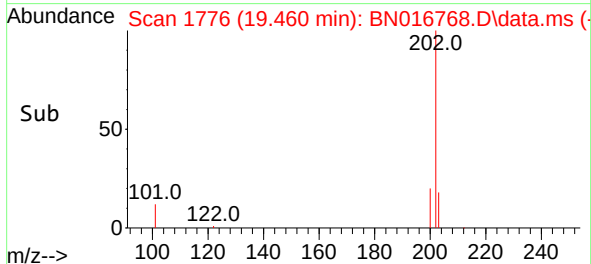
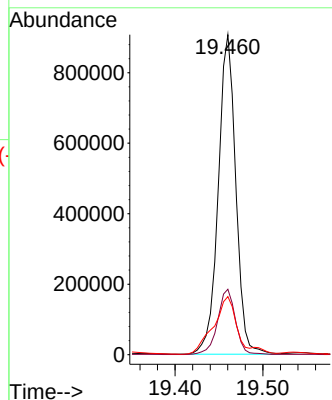
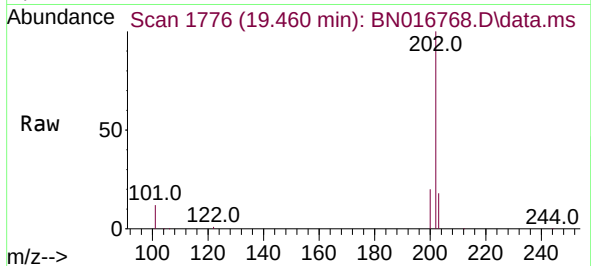




#30
Pyrene
Concen: 2.617 ng
RT: 19.460 min Scan# 1776
Delta R.T. -0.005 min
Lab File: BN016768.D
Acq: 06 Oct 2021 07:30

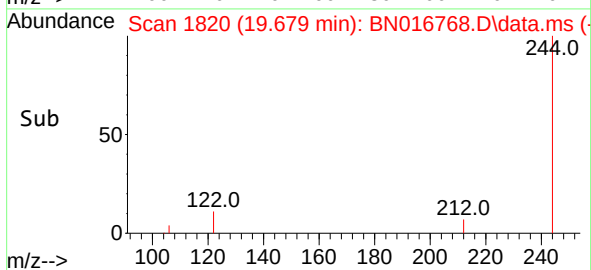
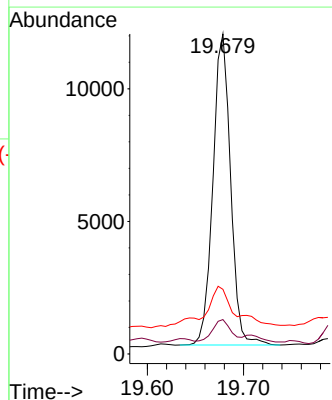
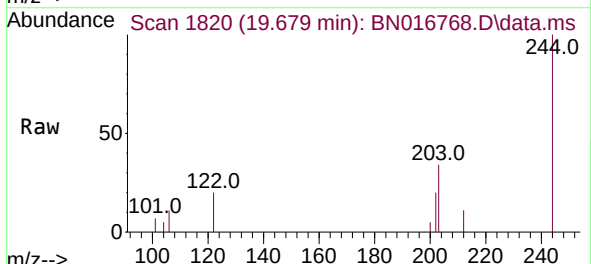
Instrument :
BNA_N
ClientSampleId :
S-832-J-SO-2-2.5-092221DL

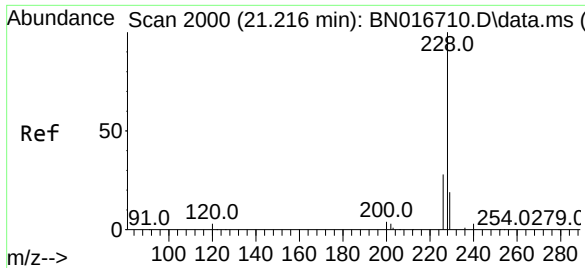
Tgt Ion:202 Resp: 1261360
Ion Ratio Lower Upper
202 100
200 20.8 16.5 24.7
203 24.5 13.9 20.9#



#31
Terphenyl-d14
Concen: 0.046 ng
RT: 19.679 min Scan# 1820
Delta R.T. -0.005 min
Lab File: BN016768.D
Acq: 06 Oct 2021 07:30

Tgt Ion:244 Resp: 14932
Ion Ratio Lower Upper
244 100
212 10.7 5.8 8.6#
122 20.2 8.9 13.3#

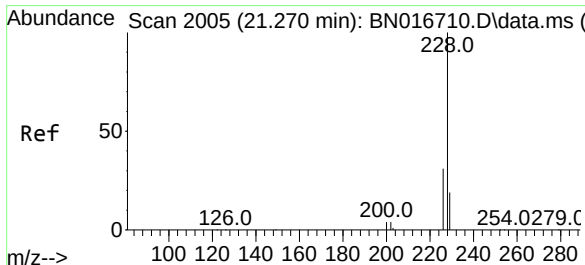
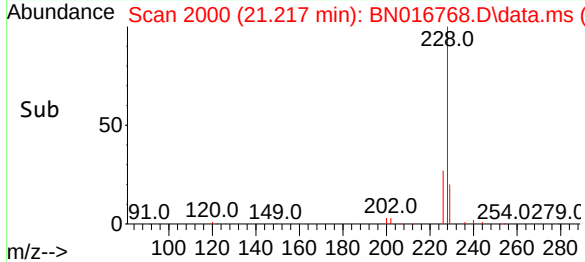
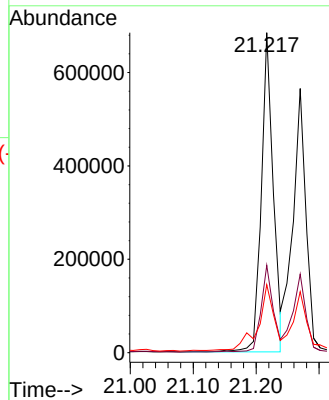
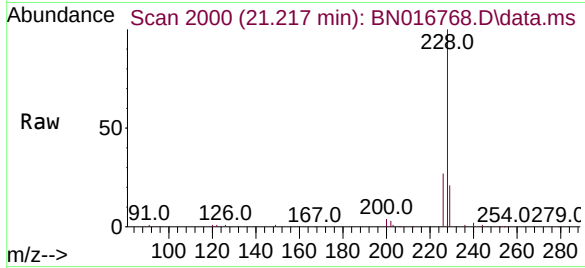




#32
Benzo(a)anthracene
Concen: 1.991 ng
RT: 21.217 min Scan# 2000
Delta R.T. 0.000 min
Lab File: BN016768.D
Acq: 06 Oct 2021 07:30

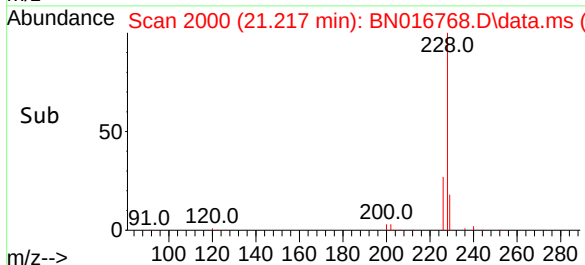
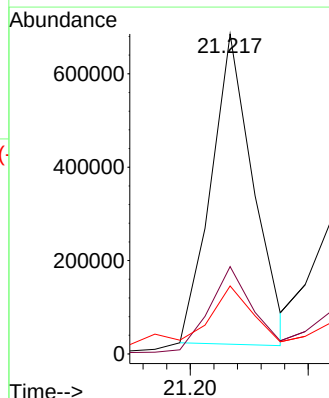
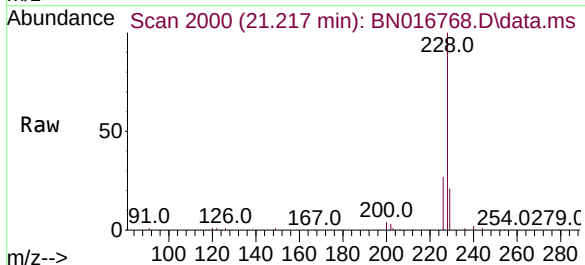
Instrument :
BNA_N
ClientSampleId :
S-832-J-SO-2-2.5-092221DL

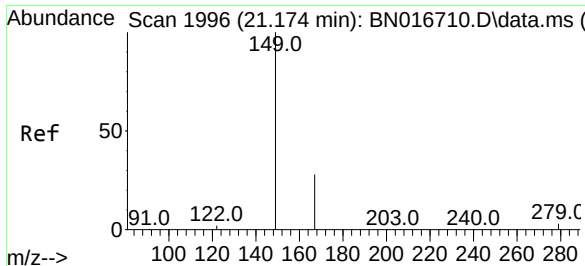
Tgt Ion:228	Resp: 905006
Ion Ratio	Lower Upper
228 100	
226 27.3	22.3 33.5
229 21.2	15.4 23.0



#33
Chrysene
Concen: 1.794 ng
RT: 21.217 min Scan# 2000
Delta R.T. -0.053 min
Lab File: BN016768.D
Acq: 06 Oct 2021 07:30

Tgt Ion:228	Resp: 827291
Ion Ratio	Lower Upper
228 100	
226 27.3	24.2 36.4
229 21.2	15.4 23.0

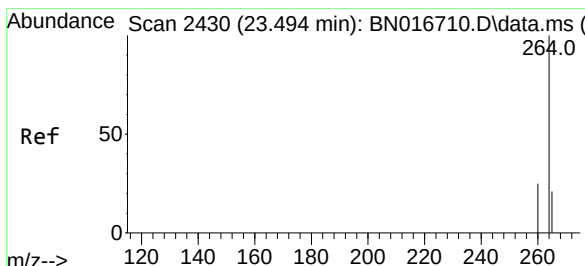
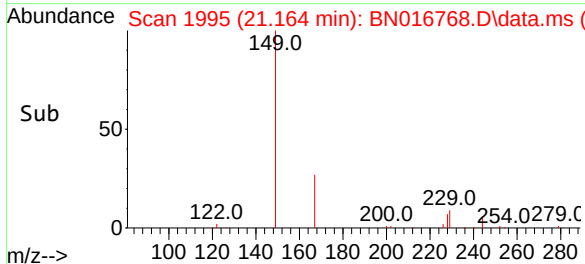
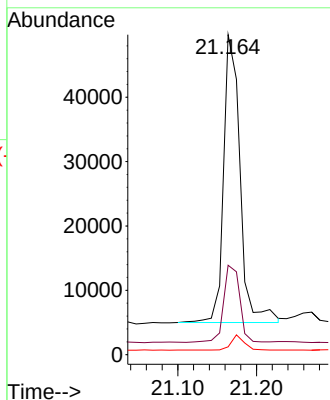
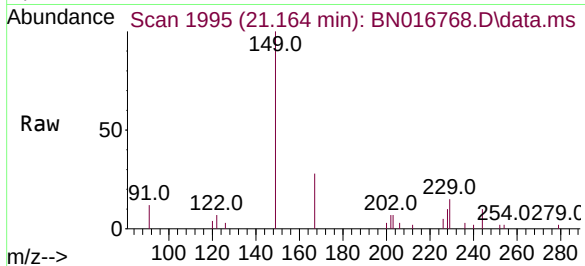




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.235 ng
 RT: 21.164 min Scan# 1995
 Delta R.T. -0.010 min
 Lab File: BN016768.D
 Acq: 06 Oct 2021 07:30

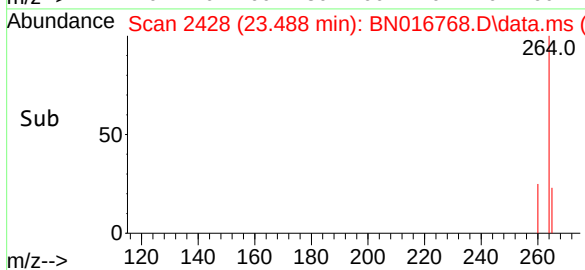
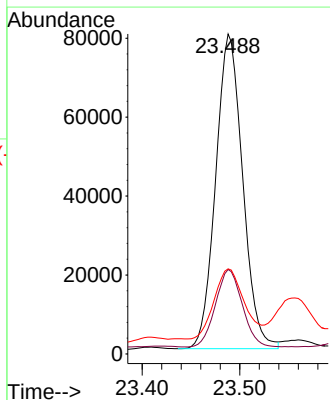
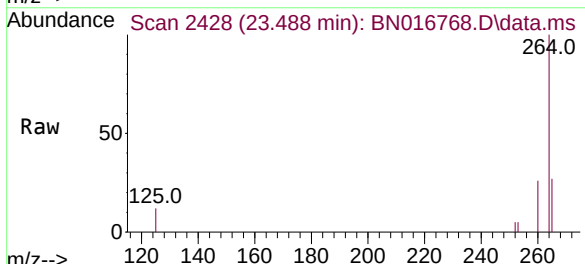
Instrument :
 BNA_N
 ClientSampleId :
 S-832-J-SO-2-2.5-092221DL

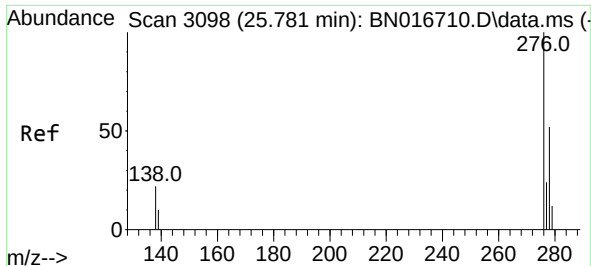
Tgt Ion:149 Resp: 64762
 Ion Ratio Lower Upper
 149 100
 167 26.3 22.2 33.4
 279 4.2 3.4 5.2



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.488 min Scan# 2428
 Delta R.T. -0.006 min
 Lab File: BN016768.D
 Acq: 06 Oct 2021 07:30

Tgt Ion:264 Resp: 153366
 Ion Ratio Lower Upper
 264 100
 260 26.4 19.8 29.6
 265 26.6 20.3 30.5

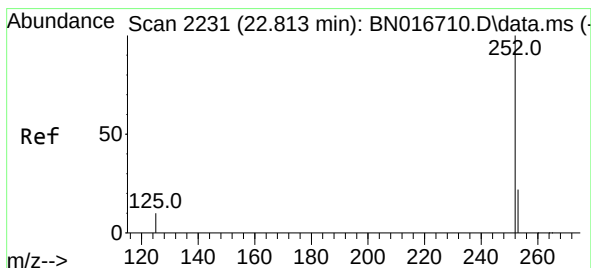
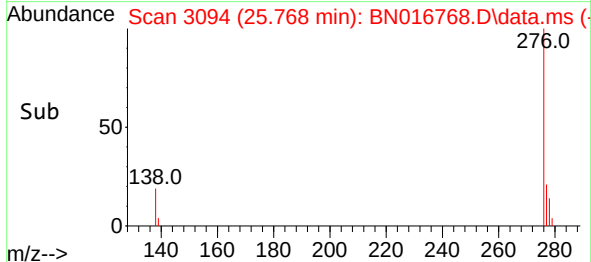
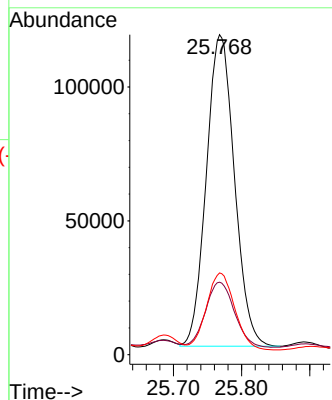
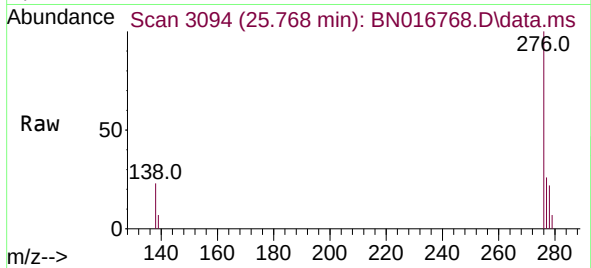




#36
Indeno(1,2,3-cd)pyrene
Concen: 0.684 ng
RT: 25.768 min Scan# 3094
Delta R.T. -0.013 min
Lab File: BN016768.D
Acq: 06 Oct 2021 07:30

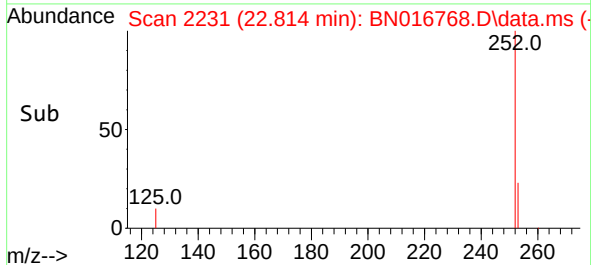
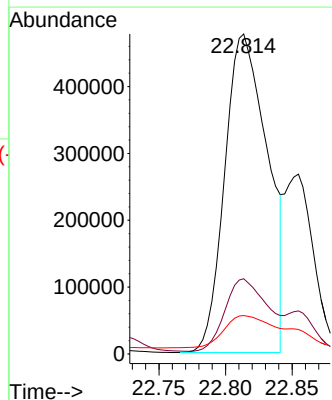
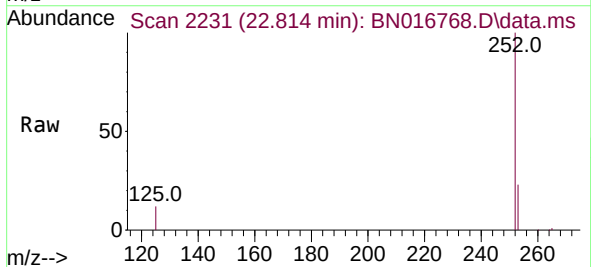
Instrument :
BNA_N
ClientSampleId :
S-832-J-SO-2-2.5-092221DL

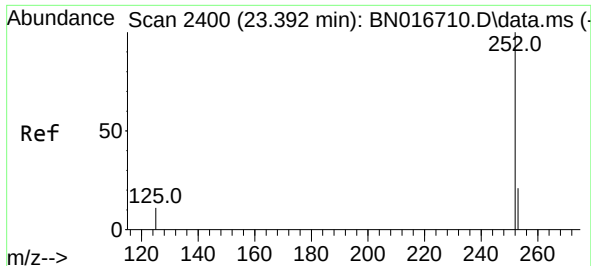
Tgt Ion:276 Resp: 333038
Ion Ratio Lower Upper
276 100
138 21.5 19.2 28.8
277 25.0 20.0 30.0



#37
Benzo(b)fluoranthene
Concen: 2.146 ng
RT: 22.814 min Scan# 2231
Delta R.T. 0.000 min
Lab File: BN016768.D
Acq: 06 Oct 2021 07:30

Tgt Ion:252 Resp: 1064179
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.8
125 12.0 8.3 12.5





#39

Benzo(a)pyrene

Concen: 1.648 ng

RT: 23.389 min Scan# 2399

Delta R.T. -0.003 min

Lab File: BN016768.D

Acq: 06 Oct 2021 07:30

Instrument :

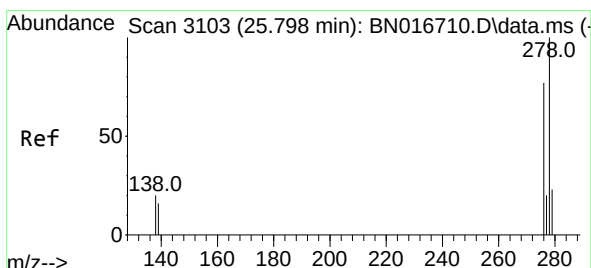
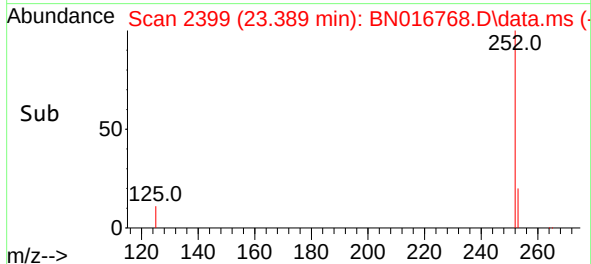
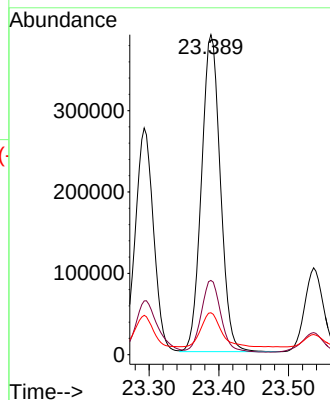
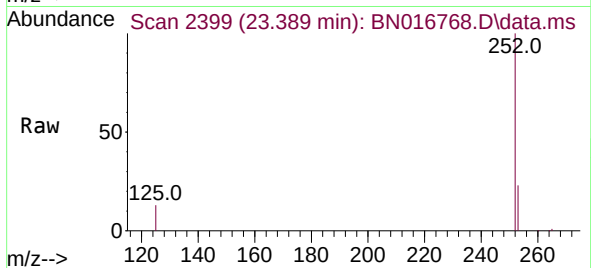
BNA_N

ClientSampleId :

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Tgt Ion:252 Resp: 731090

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.9	26.9
125	13.1	9.4	14.2



#40

Dibenzo(a,h)anthracene

Concen: 0.246 ng

RT: 25.781 min Scan# 3098

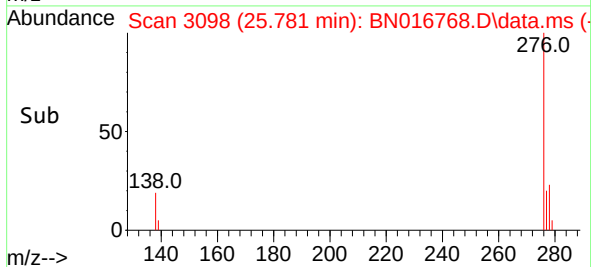
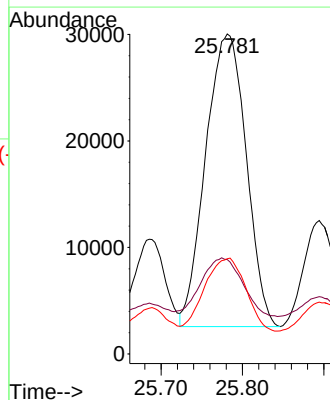
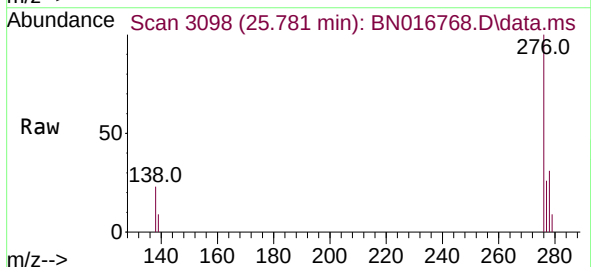
Delta R.T. -0.017 min

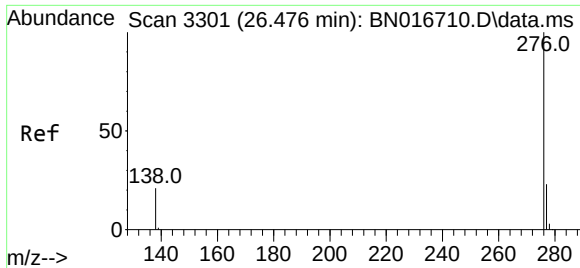
Lab File: BN016768.D

Acq: 06 Oct 2021 07:30

Tgt Ion:278 Resp: 95142

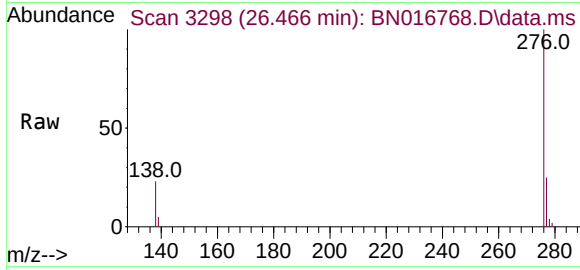
Ion	Ratio	Lower	Upper
278	100		
139	29.5	13.1	19.7#
279	29.7	19.3	28.9#





#41
Benzo(g,h,i)perylene
Concen: 0.675 ng
RT: 26.466 min Scan# 3298
Delta R.T. -0.010 min
Lab File: BN016768.D
Acq: 06 Oct 2021 07:30

Instrument :
BNA_N
ClientSampleId :
S-832-J-SO-2-2.5-092221DL



Tgt Ion:276 Resp: 291810
Ion Ratio Lower Upper
276 100
277 24.8 19.0 28.4
138 23.0 17.0 25.6

