

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100421\
 Data File : BN016769.D
 Acq On : 06 Oct 2021 08:06
 Operator : CG/JU
 Sample : M3892-19 5X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

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

Quant Time: Oct 06 08:35:54 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)

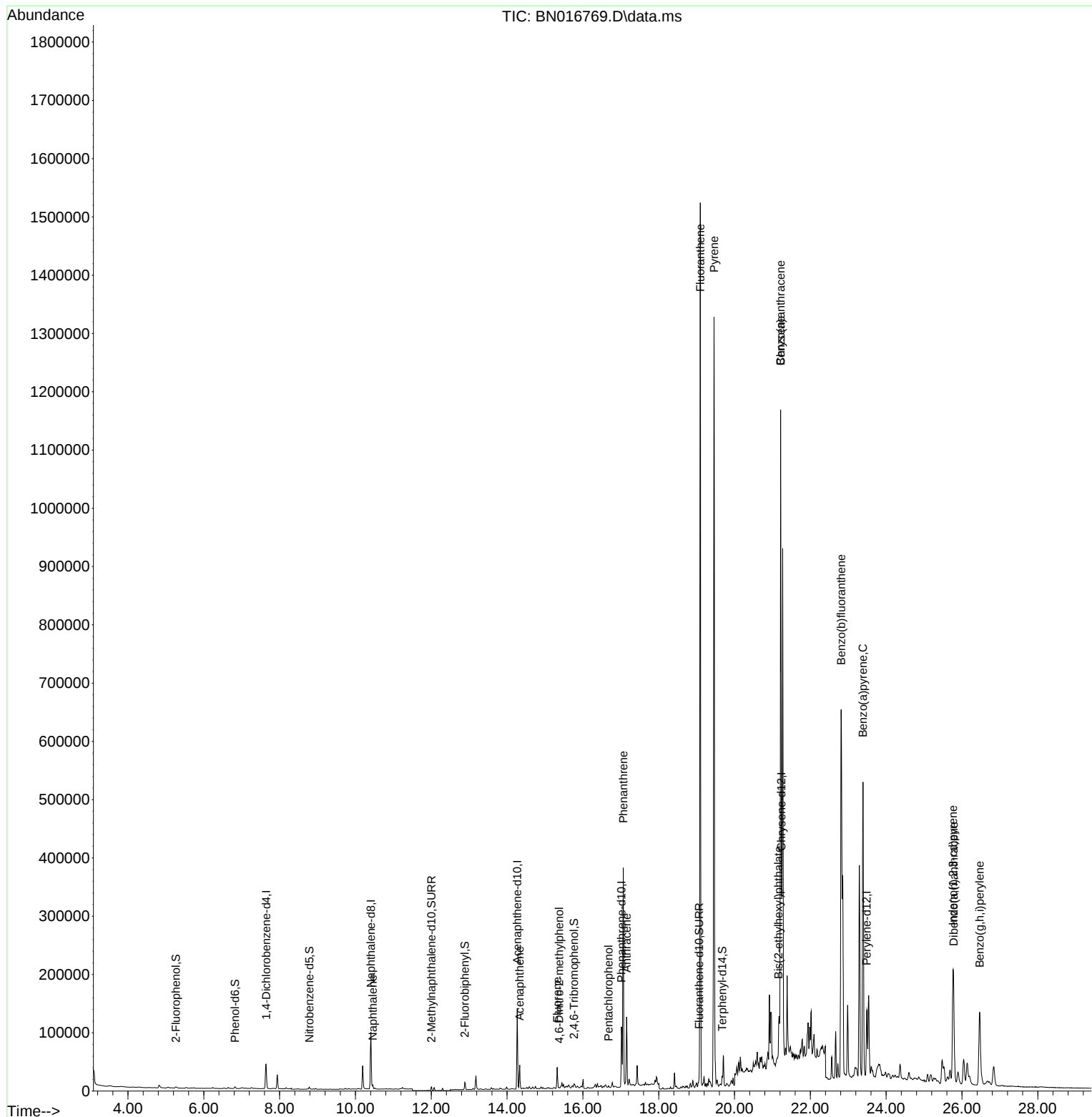
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.642	152	28100	0.400	ng	0.00
7) Naphthalene-d8	10.406	136	130608	0.400	ng	# 0.00
13) Acenaphthene-d10	14.268	164	74807	0.400	ng	0.00
19) Phenanthrene-d10	17.017	188	147886	0.400	ng	#-0.01
29) Chrysene-d12	21.238	240	144877	0.400	ng	0.00
35) Perylene-d12	23.488	264	149288	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.263	112	3493	0.049	ng	0.00
5) Phenol-d6	6.821	99	3624	0.046	ng	0.00
8) Nitrobenzene-d5	8.784	82	3929	0.043	ng	0.00
11) 2-Methylnaphthalene-d10	12.003	152	9094	0.047	ng	0.00
14) 2,4,6-Tribromophenol	15.766	330	1700	0.156	ng	-0.01
15) 2-Fluorobiphenyl	12.886	172	11531	0.039	ng	-0.01
27) Fluoranthene-d10	19.068	212	18120	0.045	ng	0.00
31) Terphenyl-d14	19.678	244	14885	0.046	ng	0.00
Target Compounds					Qvalue	
9) Naphthalene	10.457	128	8893	0.025	ng	# 95
17) Acenaphthene	14.332	154	19533	0.090	ng	99
18) Fluorene	15.322	166	22370	0.085	ng	97
20) 4,6-Dinitro-2-methylph...	15.372	198	37	0.269	ng	# 1
24) Pentachlorophenol	16.677	266	134	0.341	ng	# 79
25) Phenanthrene	17.066	178	392792	0.904	ng	100
26) Anthracene	17.151	178	117894	0.304	ng	96
28) Fluoranthene	19.097	202	1358501	2.816	ng	100
30) Pyrene	19.460	202	1254213	2.633	ng	# 92
32) Benzo(a)anthracene	21.217	228	915075	2.036	ng	98
33) Chrysene	21.217	228	844623	1.853	ng	95
34) Bis(2-ethylhexyl)phtha...	21.163	149	65668	0.241	ng	97
36) Indeno(1,2,3-cd)pyrene	25.764	276	309807	0.654	ng	98
37) Benzo(b)fluoranthene	22.813	252	1041674	2.158	ng	97
39) Benzo(a)pyrene	23.388	252	709344	1.642	ng	97
40) Dibenzo(a,h)anthracene	25.781	278	89193	0.237	ng	# 79
41) Benzo(g,h,i)perylene	26.466	276	269611	0.641	ng	97

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

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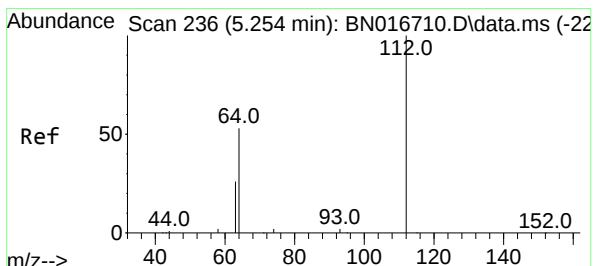
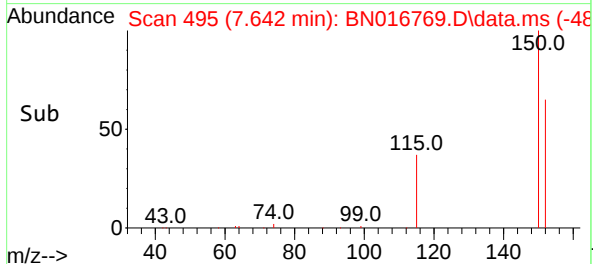
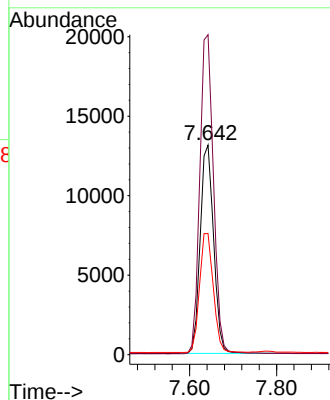
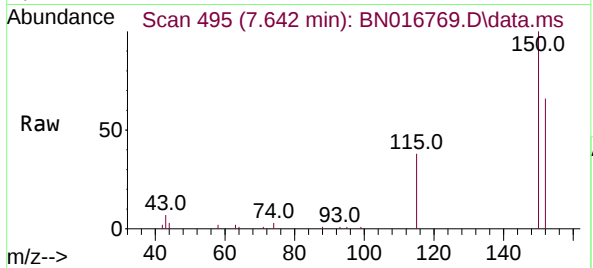




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.642 min Scan# 495
Delta R.T. 0.000 min
Lab File: BN016769.D
Acq: 06 Oct 2021 08:06

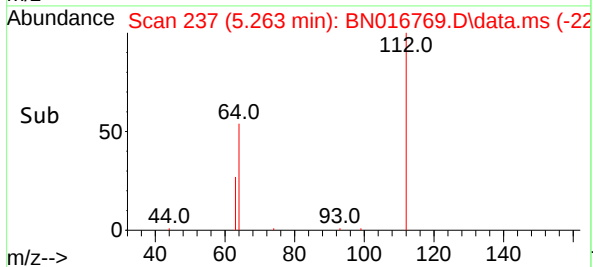
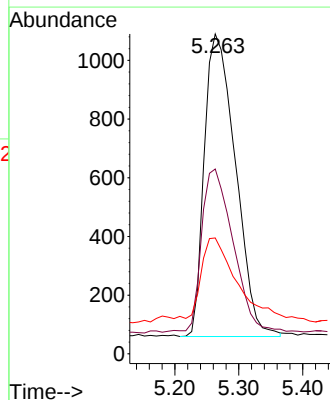
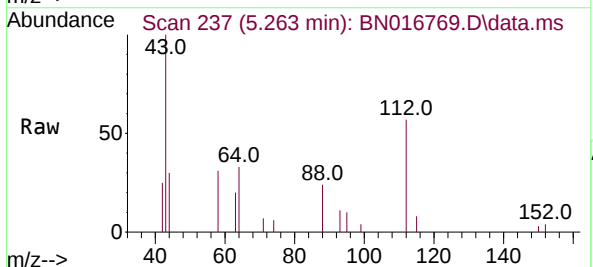
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BNA_N
ClientSampleId :
S-832-J-SO-2-2.5-092221-FD

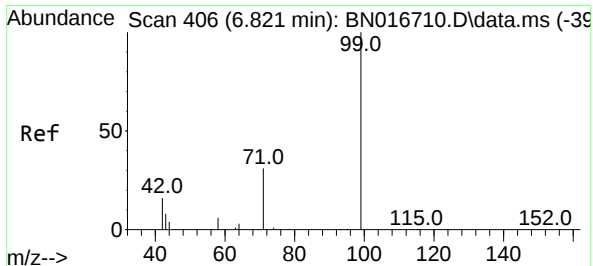
Tgt Ion:152 Resp: 28100
Ion Ratio Lower Upper
152 100
150 152.7 123.3 184.9
115 57.8 47.0 70.6



#4
2-Fluorophenol
Concen: 0.049 ng
RT: 5.263 min Scan# 237
Delta R.T. 0.009 min
Lab File: BN016769.D
Acq: 06 Oct 2021 08:06

Tgt Ion:112 Resp: 3493
Ion Ratio Lower Upper
112 100
64 54.3 42.9 64.3
63 29.1 21.5 32.3

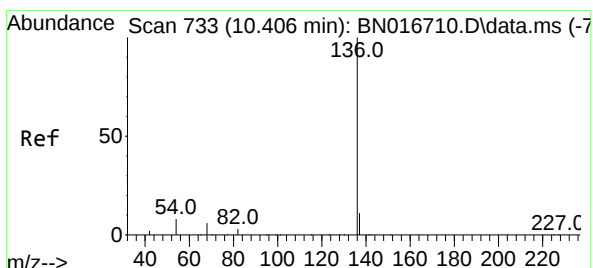
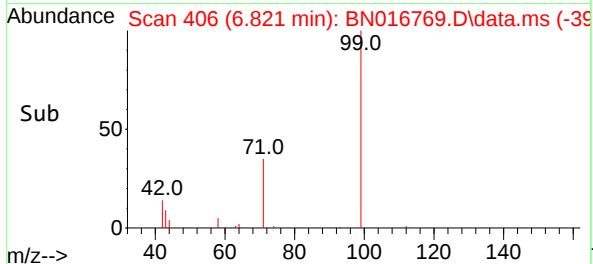
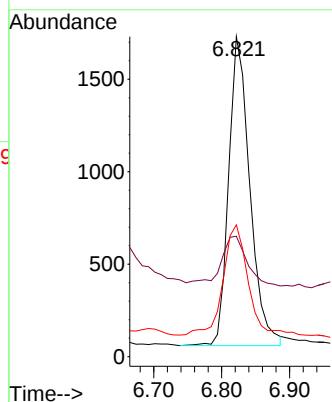
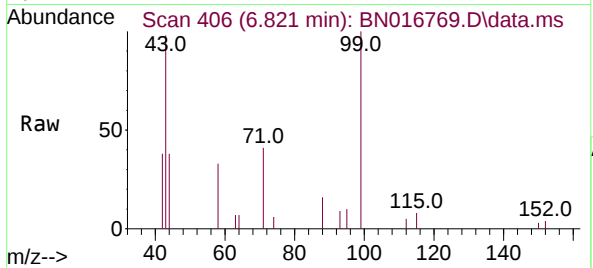




#5
Phenol-d6
Concen: 0.046 ng
RT: 6.821 min Scan# 406
Delta R.T. 0.000 min
Lab File: BN016769.D
Acq: 06 Oct 2021 08:06

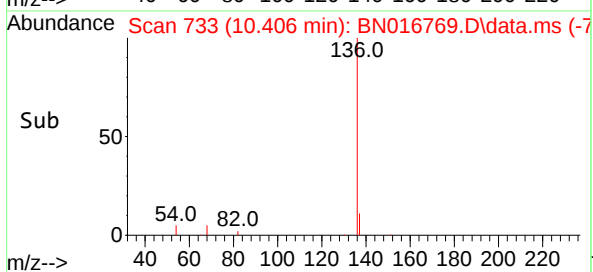
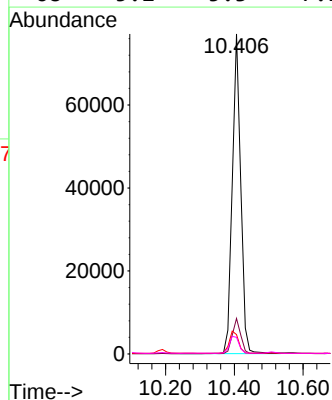
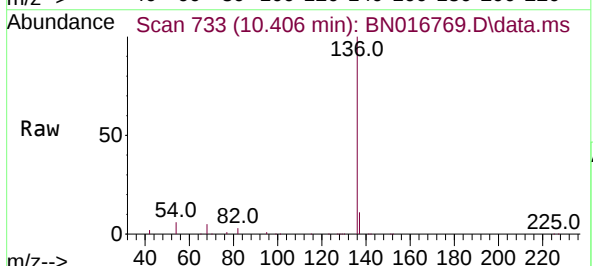
Instrument :
BNA_N
ClientSampleId :
S-832-J-SO-2-2.5-092221-FD

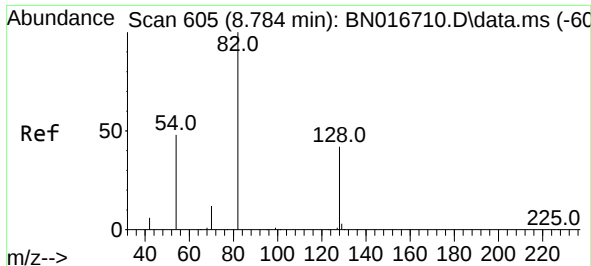
Tgt Ion: 99 Resp: 3624
Ion Ratio Lower Upper
99 100
42 19.6 13.4 20.2
71 41.1 24.0 36.0#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.406 min Scan# 733
Delta R.T. 0.000 min
Lab File: BN016769.D
Acq: 06 Oct 2021 08:06

Tgt Ion: 136 Resp: 130608
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 6.1 6.5 9.7#
68 5.2 5.3 7.9#

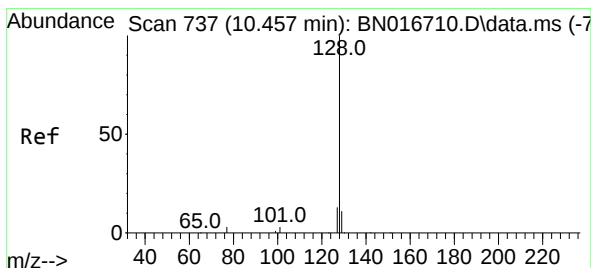
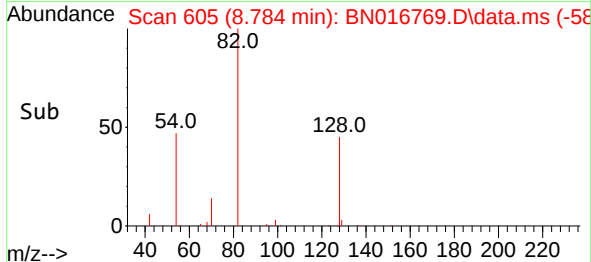
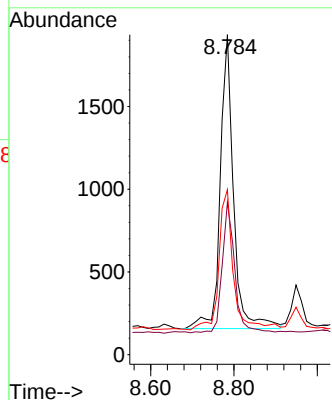
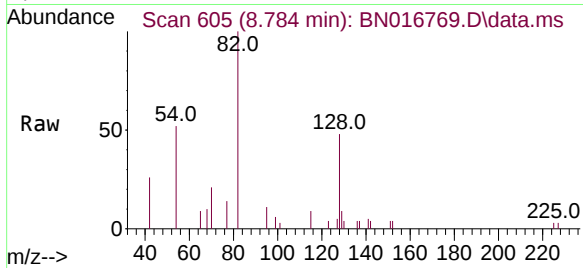




#8
Nitrobenzene-d5
Concen: 0.043 ng
RT: 8.784 min Scan# 605
Delta R.T. 0.000 min
Lab File: BN016769.D
Acq: 06 Oct 2021 08:06

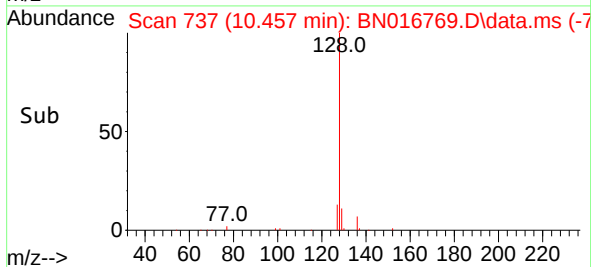
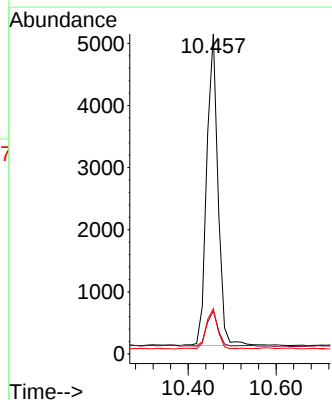
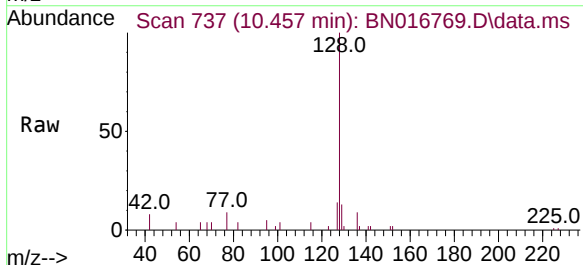
Instrument :
BNA_N
ClientSampleId :
S-832-J-SO-2-2.5-092221-FD

Tgt Ion: 82 Resp: 3929
Ion Ratio Lower Upper
82 100
128 47.7 33.8 50.6
54 51.6 38.5 57.7



#9
Naphthalene
Concen: 0.025 ng
RT: 10.457 min Scan# 737
Delta R.T. 0.000 min
Lab File: BN016769.D
Acq: 06 Oct 2021 08:06

Tgt Ion: 128 Resp: 8893
Ion Ratio Lower Upper
128 100
129 13.4 8.7 13.1#
127 14.1 10.3 15.5

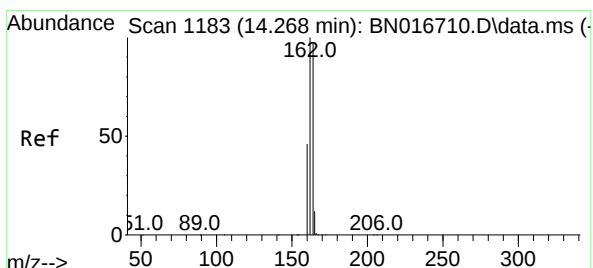
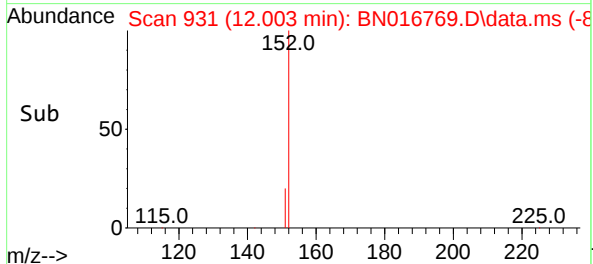
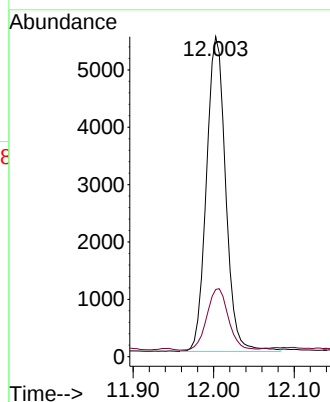
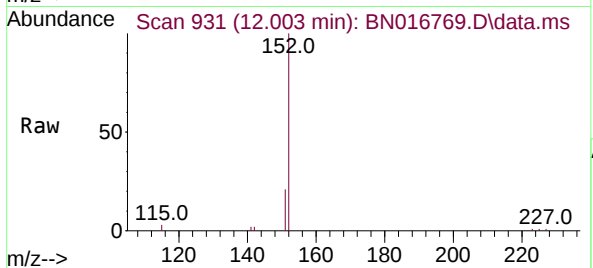




#11
2-Methylnaphthalene-d10
Concen: 0.047 ng
RT: 12.003 min Scan# 931
Delta R.T. -0.004 min
Lab File: BN016769.D
Acq: 06 Oct 2021 08:06

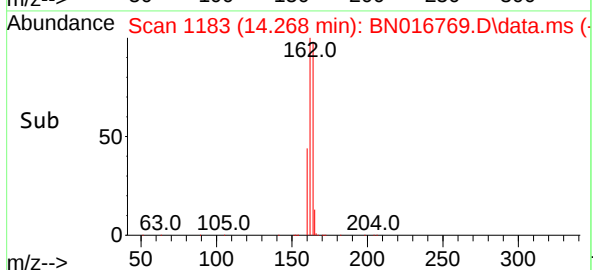
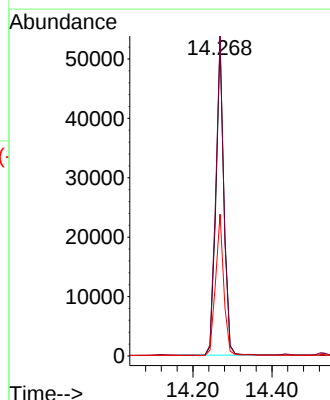
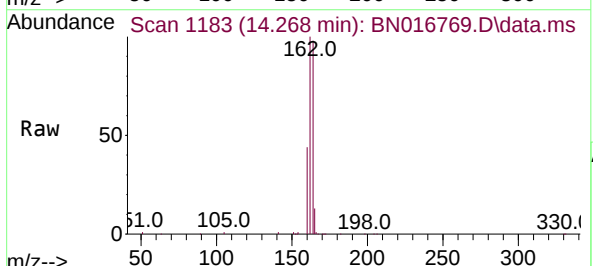
Instrument :
BNA_N
ClientSampleId :
S-832-J-SO-2-2.5-092221-FD

Tgt Ion:152 Resp: 9094
Ion Ratio Lower Upper
152 100
151 21.9 16.2 24.4



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.268 min Scan# 1183
Delta R.T. 0.000 min
Lab File: BN016769.D
Acq: 06 Oct 2021 08:06

Tgt Ion:164 Resp: 74807
Ion Ratio Lower Upper
164 100
162 101.9 82.6 124.0
160 45.2 38.2 57.2

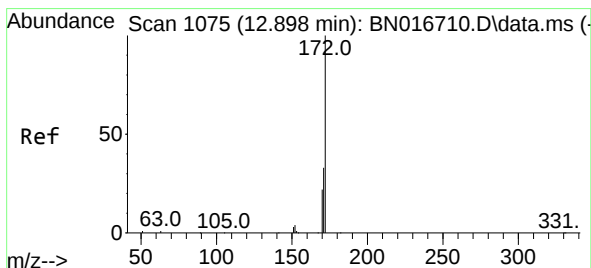
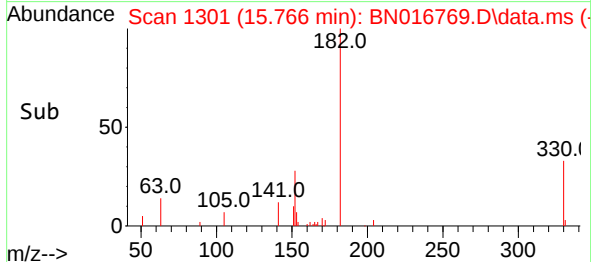
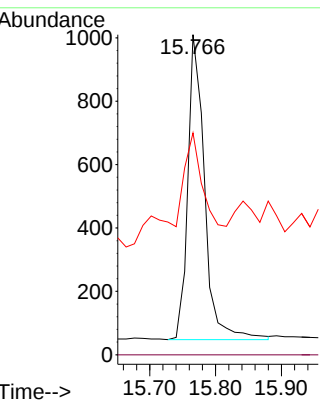
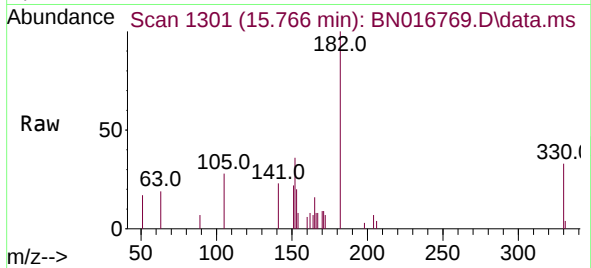




#14
2,4,6-Tribromophenol
Concen: 0.156 ng
RT: 15.766 min Scan# 1301
Delta R.T. -0.012 min
Lab File: BN016769.D
Acq: 06 Oct 2021 08:06

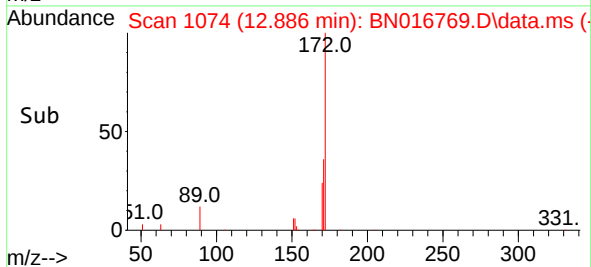
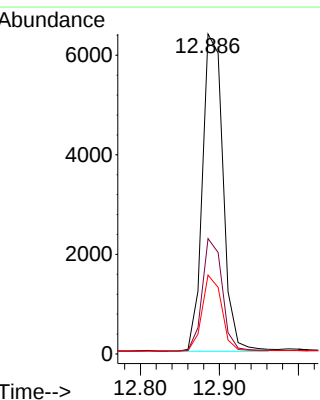
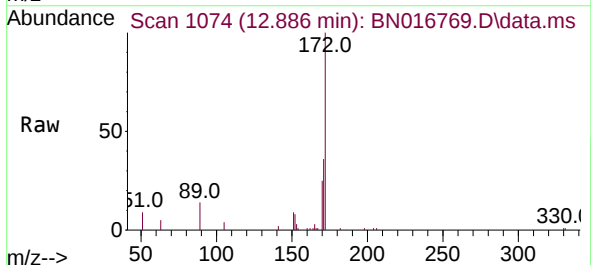
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BNA_N
ClientSampleId :
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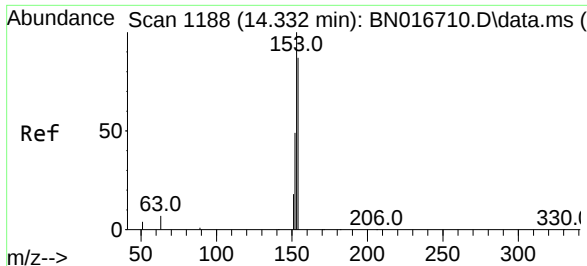
Tgt Ion:330 Resp: 1700
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 30.1 24.2 36.2



#15
2-Fluorobiphenyl
Concen: 0.039 ng
RT: 12.886 min Scan# 1074
Delta R.T. -0.012 min
Lab File: BN016769.D
Acq: 06 Oct 2021 08:06

Tgt Ion:172 Resp: 11531
Ion Ratio Lower Upper
172 100
171 36.1 26.9 40.3
170 24.6 17.4 26.0

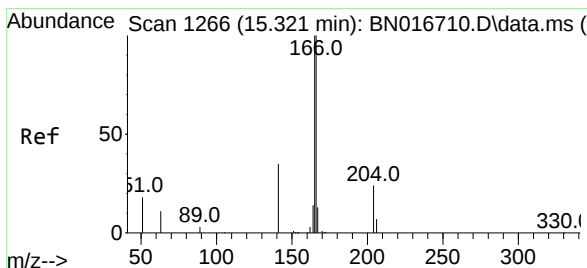
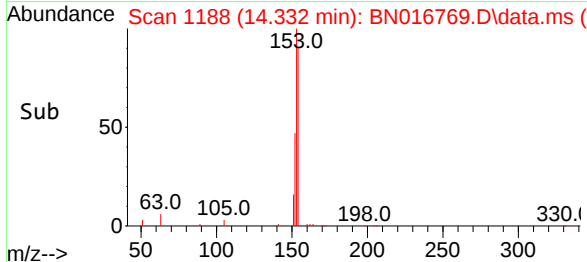
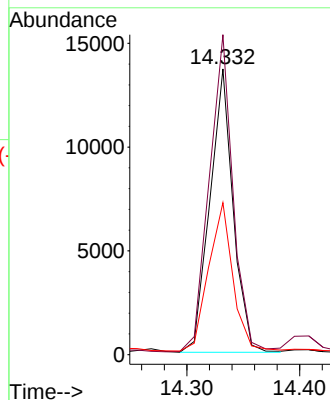
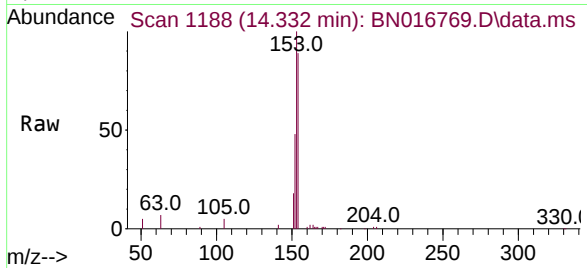




#17
Acenaphthene
Concen: 0.090 ng
RT: 14.332 min Scan# 1188
Delta R.T. 0.000 min
Lab File: BN016769.D
Acq: 06 Oct 2021 08:06

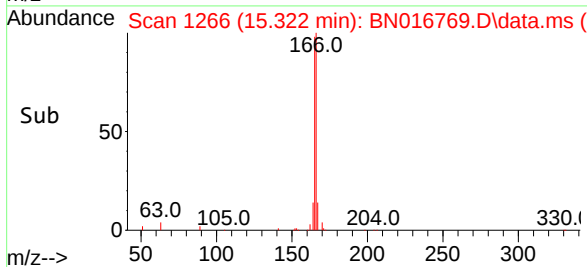
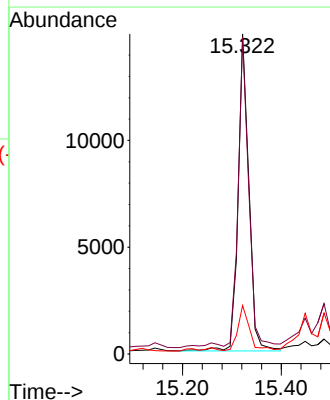
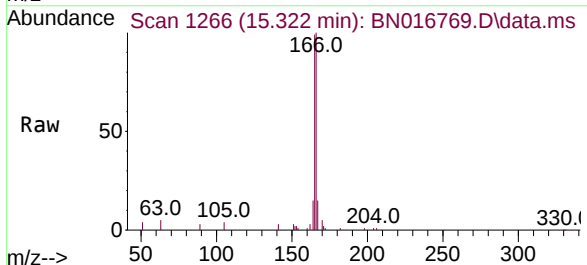
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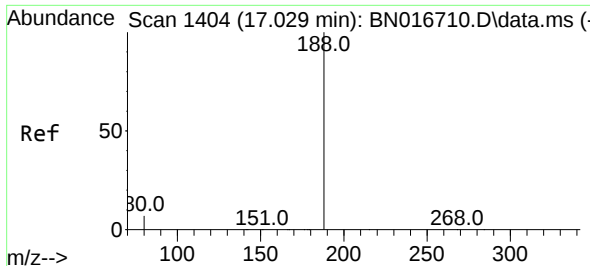
Tgt Ion:154 Resp: 19533
Ion Ratio Lower Upper
154 100
153 113.8 90.1 135.1
152 55.1 43.6 65.4



#18
Fluorene
Concen: 0.085 ng
RT: 15.322 min Scan# 1266
Delta R.T. 0.001 min
Lab File: BN016769.D
Acq: 06 Oct 2021 08:06

Tgt Ion:166 Resp: 22370
Ion Ratio Lower Upper
166 100
165 95.2 78.1 117.1
167 15.3 10.7 16.1

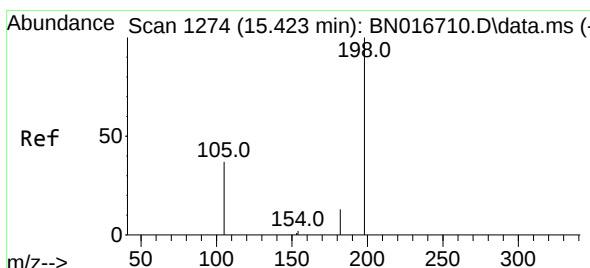
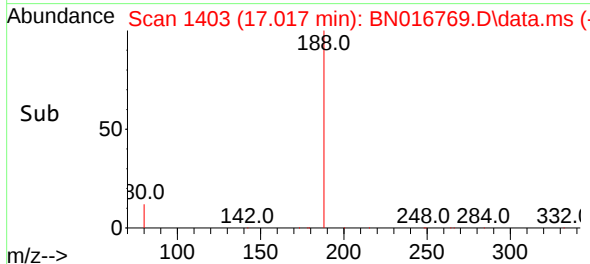
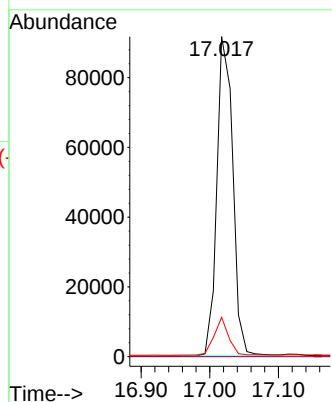
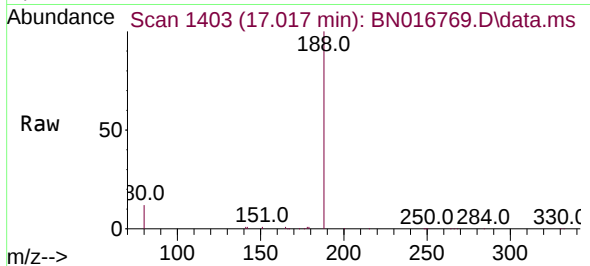




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.017 min Scan# 1403
Delta R.T. -0.012 min
Lab File: BN016769.D
Acq: 06 Oct 2021 08:06

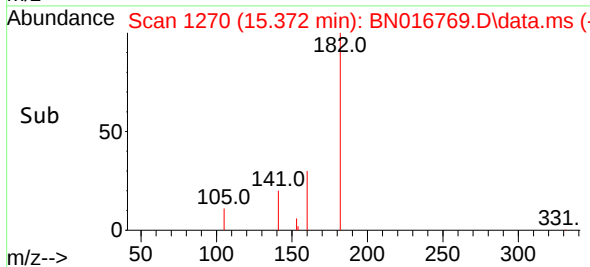
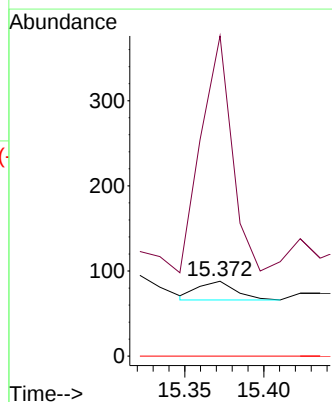
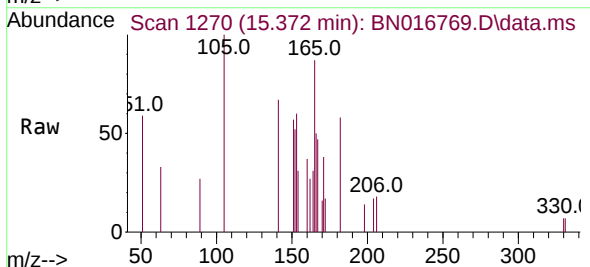
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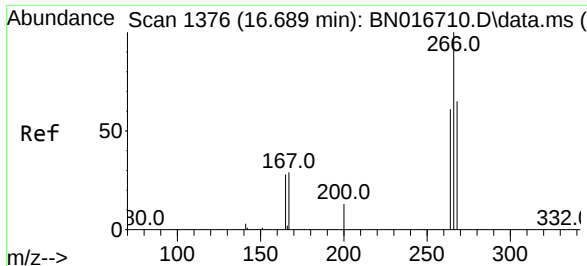
Tgt Ion:188 Resp: 147886
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 12.3 5.8 8.8#



#20
4,6-Dinitro-2-methylphenol
Concen: 0.269 ng
RT: 15.372 min Scan# 1270
Delta R.T. -0.051 min
Lab File: BN016769.D
Acq: 06 Oct 2021 08:06

Tgt Ion:198 Resp: 37
Ion Ratio Lower Upper
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182 427.3 26.2 39.2#
77 0.0 0.0 0.0

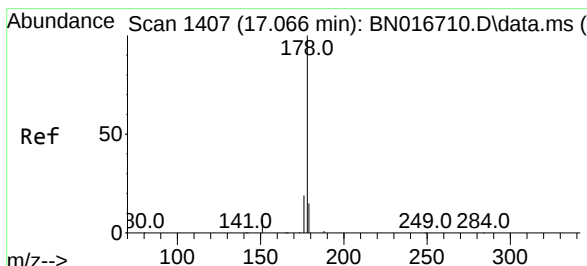
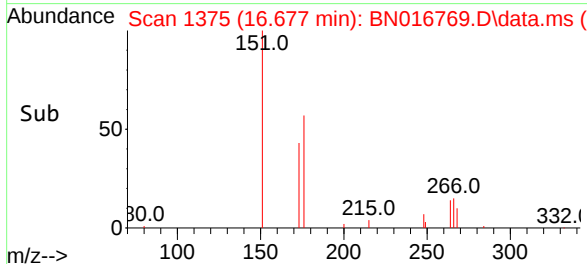
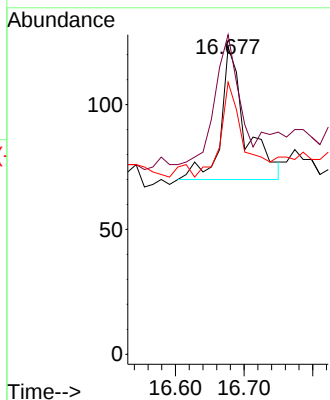
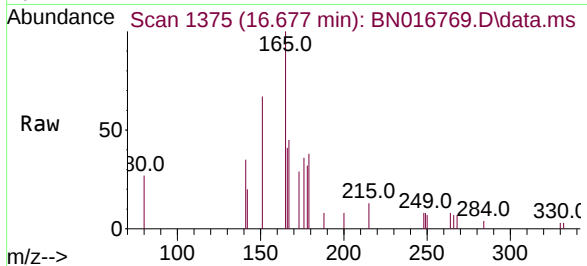




#24
 Pentachlorophenol
 Concen: 0.341 ng
 RT: 16.677 min Scan# 1375
 Delta R.T. -0.012 min
 Lab File: BN016769.D
 Acq: 06 Oct 2021 08:06

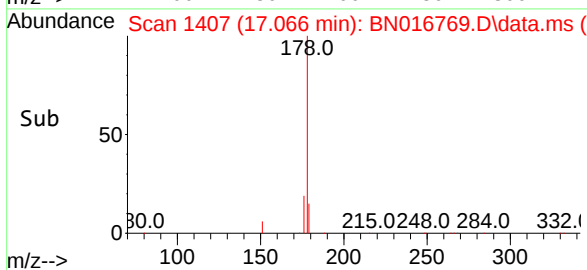
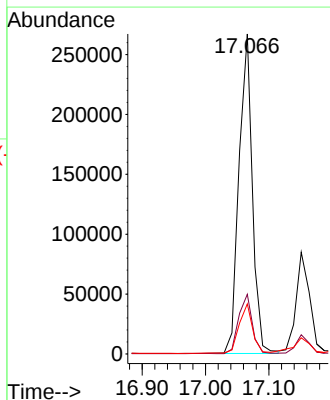
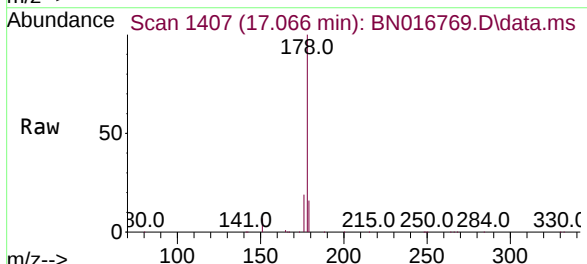
Instrument :
 BNA_N
 ClientSampleId :
 S-832-J-SO-2-2.5-092221-FD

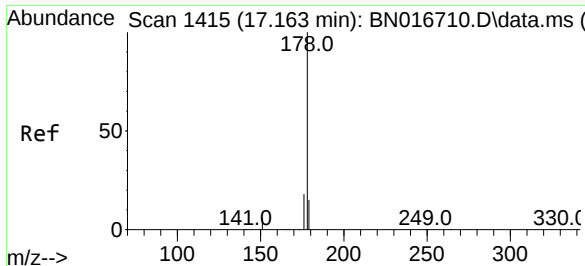
Tgt Ion:266	Resp:	134
Ion	Ratio	Lower Upper
266	100	
264	94.8	49.3 73.9#
268	64.2	51.8 77.8



#25
 Phenanthrene
 Concen: 0.904 ng
 RT: 17.066 min Scan# 1407
 Delta R.T. 0.000 min
 Lab File: BN016769.D
 Acq: 06 Oct 2021 08:06

Tgt Ion:178	Resp:	392792
Ion	Ratio	Lower Upper
178	100	
176	18.8	15.0 22.6
179	15.8	12.4 18.6

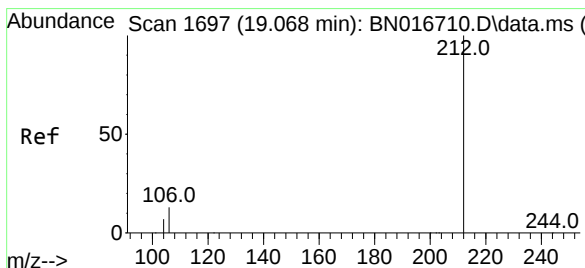
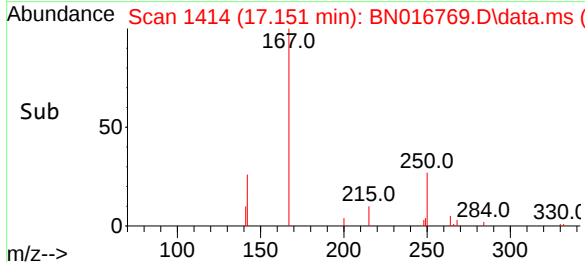
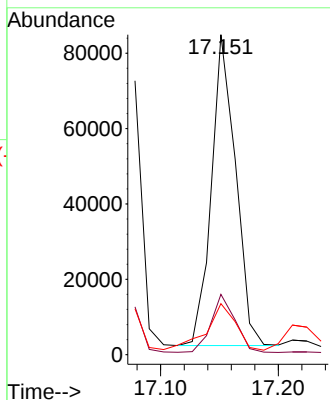
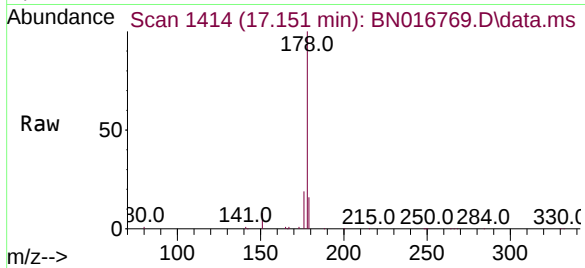




#26
 Anthracene
 Concen: 0.304 ng
 RT: 17.151 min Scan# 1414
 Delta R.T. -0.012 min
 Lab File: BN016769.D
 Acq: 06 Oct 2021 08:06

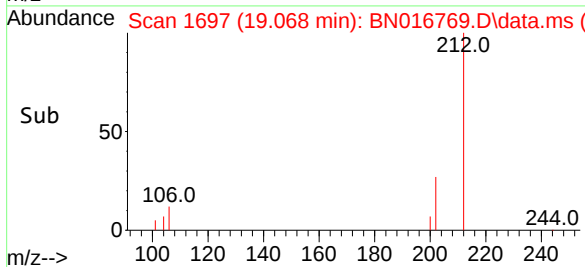
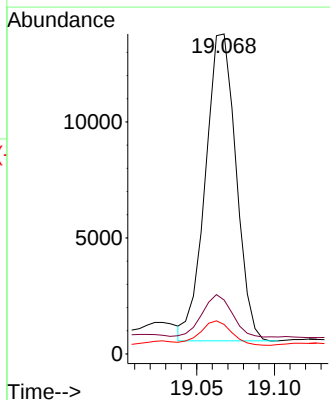
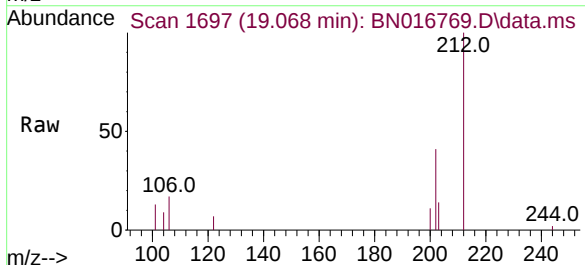
Instrument :
 BNA_N
 ClientSampleId :
 S-832-J-SO-2-2.5-092221-FD

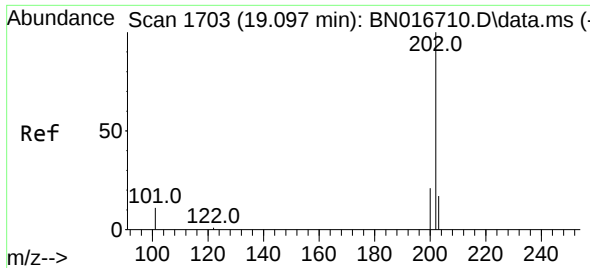
Tgt Ion:178 Resp: 117894
 Ion Ratio Lower Upper
 178 100
 176 18.4 14.5 21.7
 179 18.2 12.2 18.4



#27
 Fluoranthene-d10
 Concen: 0.045 ng
 RT: 19.068 min Scan# 1697
 Delta R.T. 0.000 min
 Lab File: BN016769.D
 Acq: 06 Oct 2021 08:06

Tgt Ion:212 Resp: 18120
 Ion Ratio Lower Upper
 212 100
 106 13.5 10.6 16.0
 104 8.1 5.8 8.8

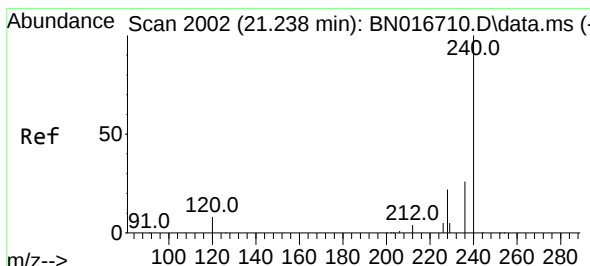
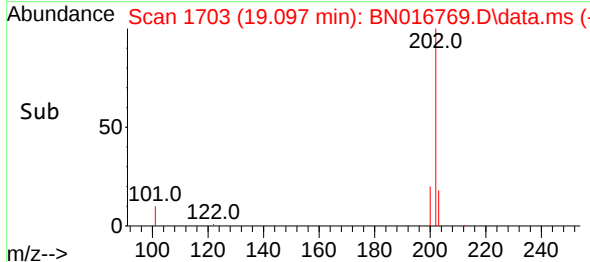
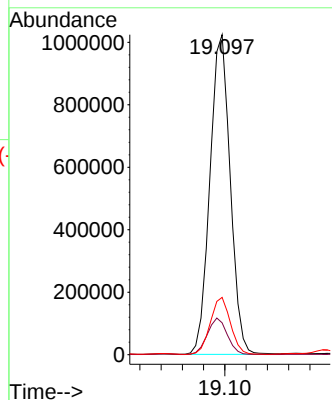
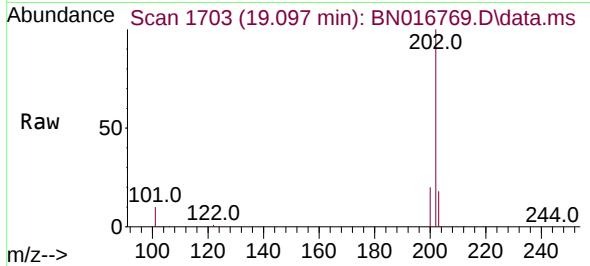




#28
Fluoranthene
Concen: 2.816 ng
RT: 19.097 min Scan# 1703
Delta R.T. 0.000 min
Lab File: BN016769.D
Acq: 06 Oct 2021 08:06

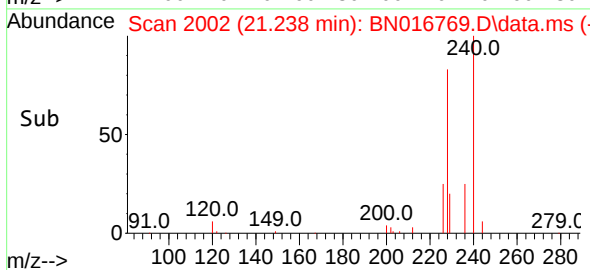
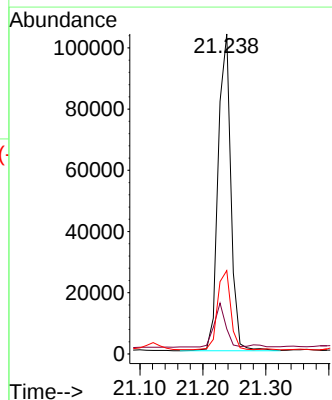
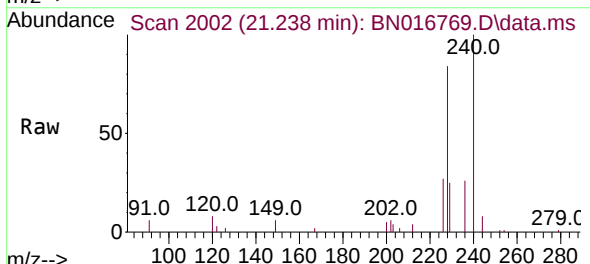
Instrument :
BNA_N
ClientSampleId :
S-832-J-SO-2-2.5-092221-FD

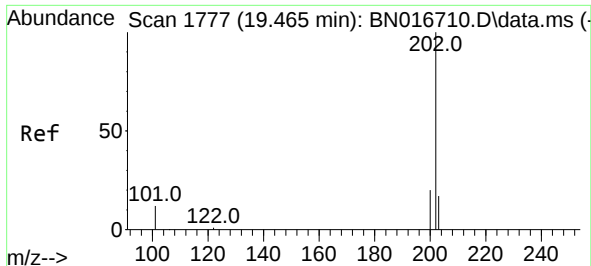
Tgt Ion:202 Resp: 1358501
Ion Ratio Lower Upper
202 100
101 11.1 8.9 13.3
203 17.6 13.8 20.8



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.238 min Scan# 2002
Delta R.T. 0.000 min
Lab File: BN016769.D
Acq: 06 Oct 2021 08:06

Tgt Ion:240 Resp: 144877
Ion Ratio Lower Upper
240 100
120 7.9 6.6 10.0
236 26.0 20.7 31.1

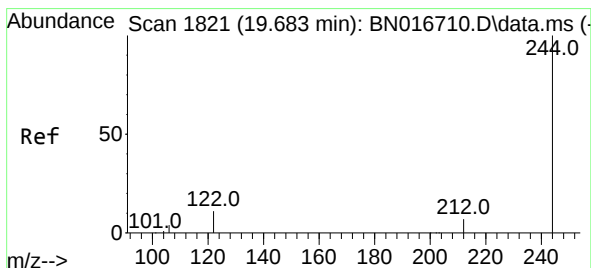
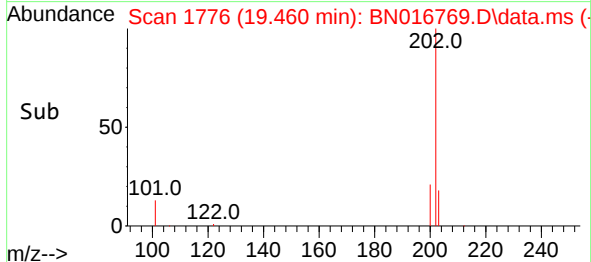
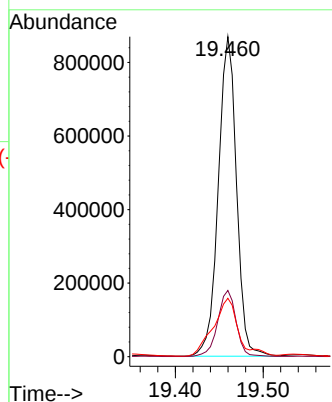
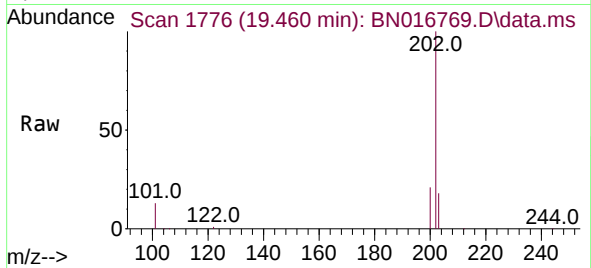




#30
Pyrene
Concen: 2.633 ng
RT: 19.460 min Scan# 1776
Delta R.T. -0.005 min
Lab File: BN016769.D
Acq: 06 Oct 2021 08:06

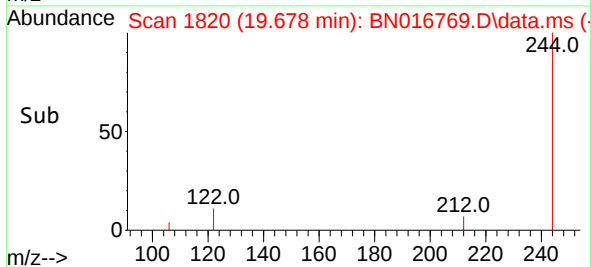
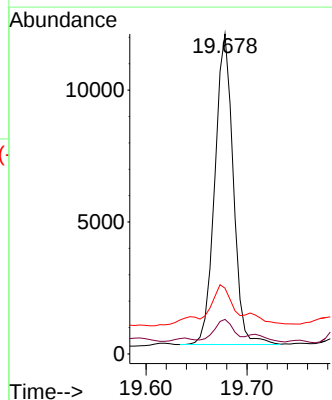
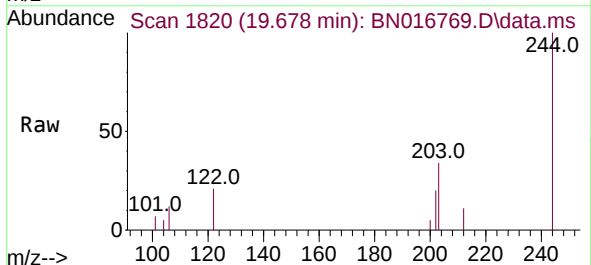
Instrument :
BNA_N
ClientSampleId :
S-832-J-SO-2-2.5-092221-FD

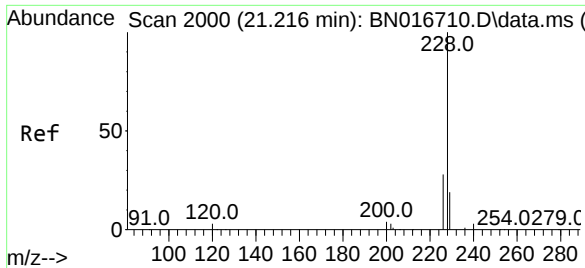
Tgt Ion:202 Resp: 1254213
Ion Ratio Lower Upper
202 100
200 20.9 16.5 24.7
203 24.6 13.9 20.9#



#31
Terphenyl-d14
Concen: 0.046 ng
RT: 19.678 min Scan# 1820
Delta R.T. -0.005 min
Lab File: BN016769.D
Acq: 06 Oct 2021 08:06

Tgt Ion:244 Resp: 14885
Ion Ratio Lower Upper
244 100
212 10.8 5.8 8.6#
122 20.5 8.9 13.3#



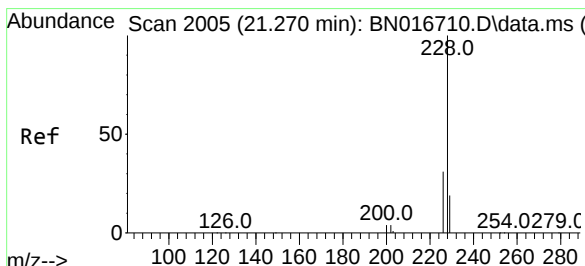
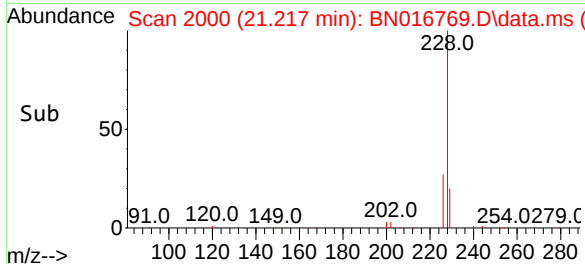
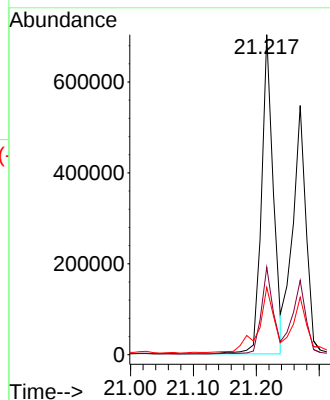
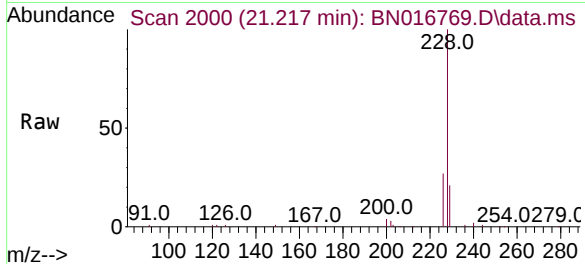


#32
Benzo(a)anthracene
Concen: 2.036 ng
RT: 21.217 min Scan# 2000
Delta R.T. 0.000 min
Lab File: BN016769.D
Acq: 06 Oct 2021 08:06

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

Tgt Ion:228 Resp: 915075

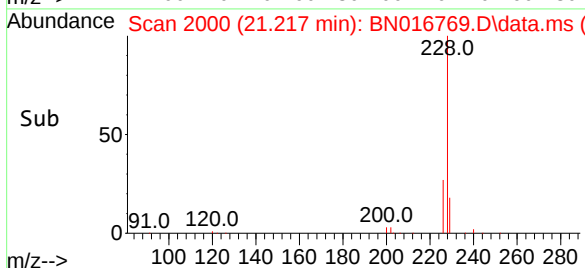
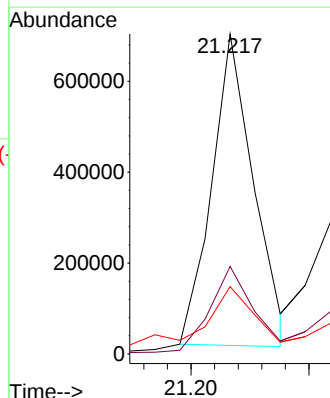
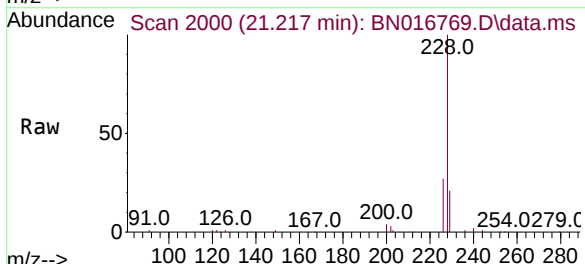
Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.3	33.5
229	21.1	15.4	23.0

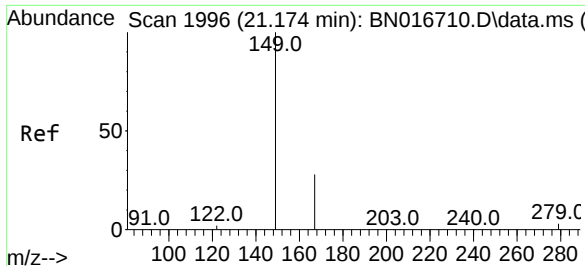


#33
Chrysene
Concen: 1.853 ng
RT: 21.217 min Scan# 2000
Delta R.T. -0.053 min
Lab File: BN016769.D
Acq: 06 Oct 2021 08:06

Tgt Ion:228 Resp: 844623

Ion	Ratio	Lower	Upper
228	100		
226	27.4	24.2	36.4
229	21.1	15.4	23.0

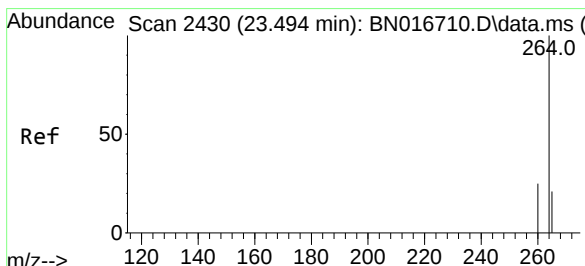
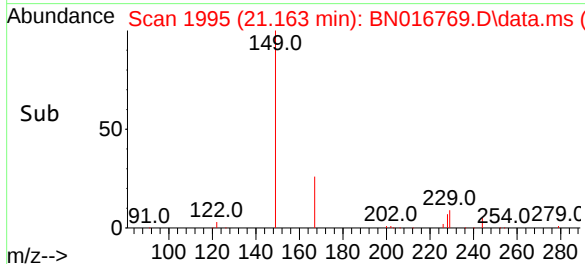
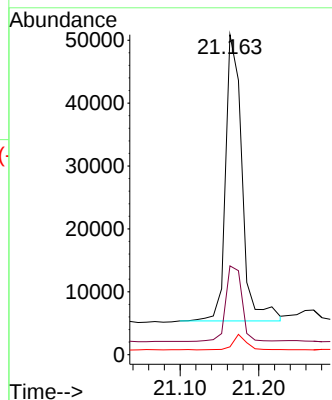
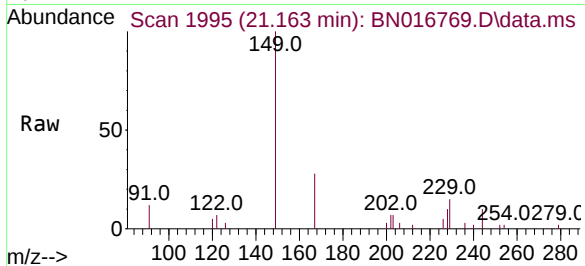




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.241 ng
RT: 21.163 min Scan# 1995
Delta R.T. -0.011 min
Lab File: BN016769.D
Acq: 06 Oct 2021 08:06

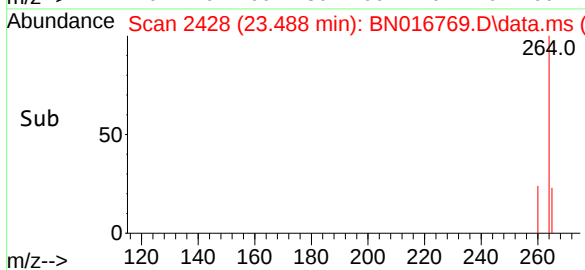
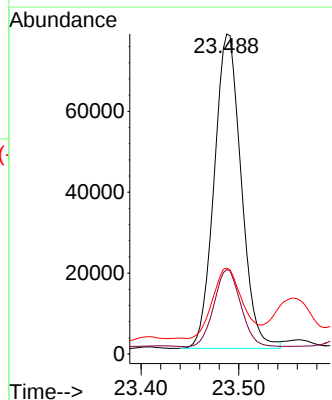
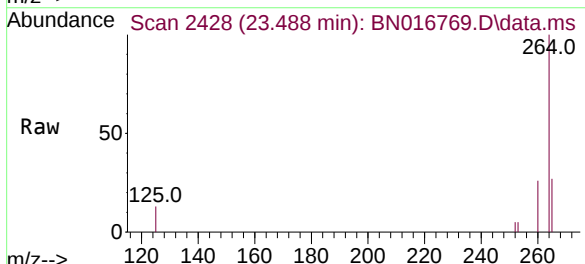
Instrument :
BNA_N
ClientSampleId :
S-832-J-SO-2-2.5-092221-FD

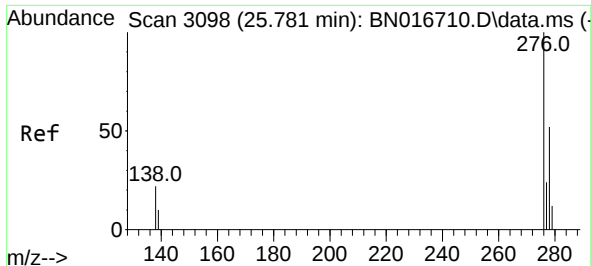
Tgt Ion:149 Resp: 65668
Ion Ratio Lower Upper
149 100
167 25.8 22.2 33.4
279 4.5 3.4 5.2



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.488 min Scan# 2428
Delta R.T. -0.007 min
Lab File: BN016769.D
Acq: 06 Oct 2021 08:06

Tgt Ion:264 Resp: 149288
Ion Ratio Lower Upper
264 100
260 26.4 19.8 29.6
265 26.8 20.3 30.5

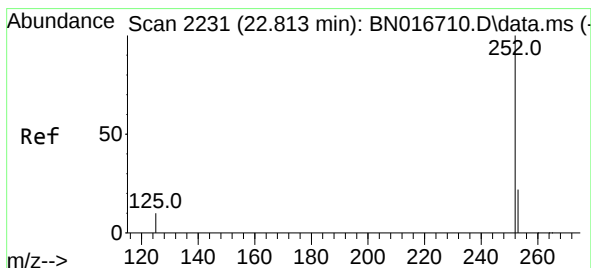
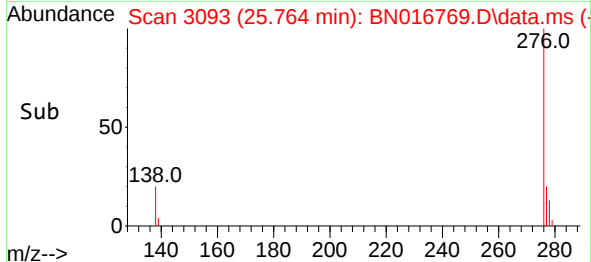
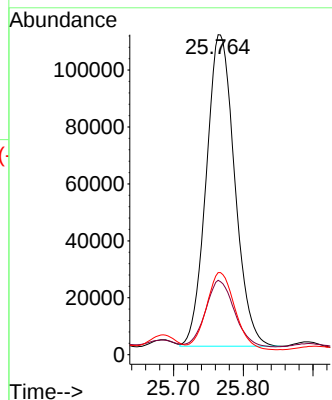
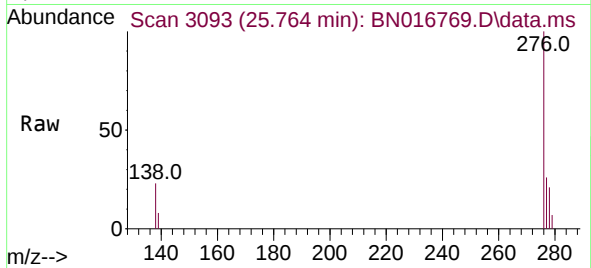




#36
Indeno(1,2,3-cd)pyrene
Concen: 0.654 ng
RT: 25.764 min Scan# 3093
Delta R.T. -0.017 min
Lab File: BN016769.D
Acq: 06 Oct 2021 08:06

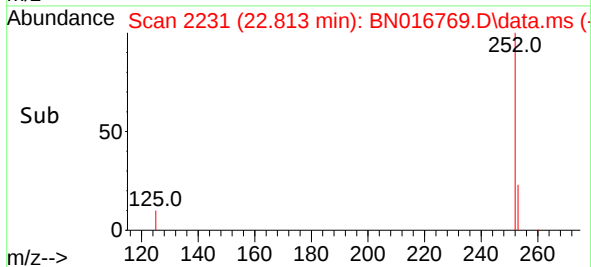
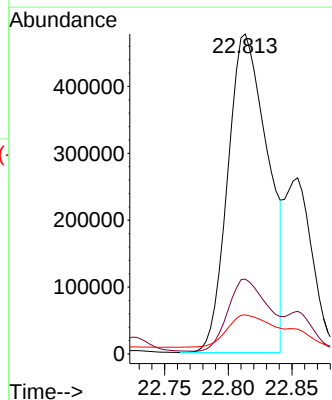
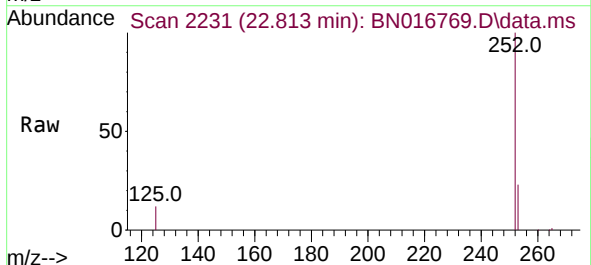
Instrument :
BNA_N
ClientSampleId :
S-832-J-SO-2-2.5-092221-FD

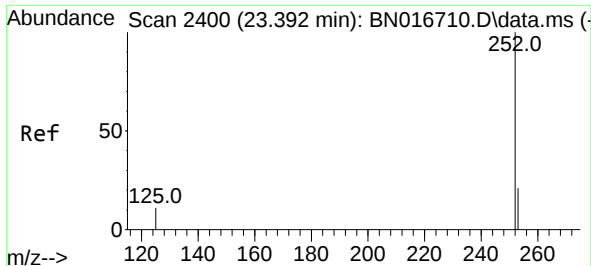
Tgt Ion:276 Resp: 309807
Ion Ratio Lower Upper
276 100
138 21.6 19.2 28.8
277 25.0 20.0 30.0



#37
Benzo(b)fluoranthene
Concen: 2.158 ng
RT: 22.813 min Scan# 2231
Delta R.T. 0.000 min
Lab File: BN016769.D
Acq: 06 Oct 2021 08:06

Tgt Ion:252 Resp: 1041674
Ion Ratio Lower Upper
252 100
253 23.4 17.8 26.8
125 12.2 8.3 12.5





#39

Benzo(a)pyrene

Concen: 1.642 ng

RT: 23.388 min Scan# 2399

Delta R.T. -0.003 min

Lab File: BN016769.D

Acq: 06 Oct 2021 08:06

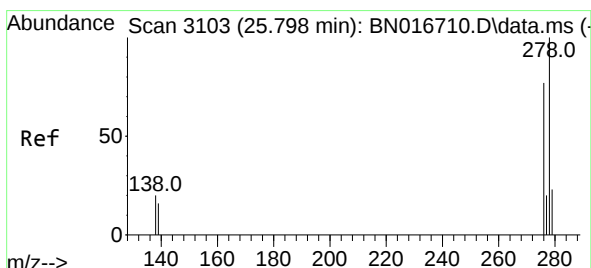
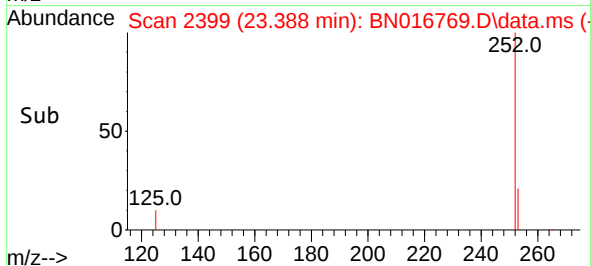
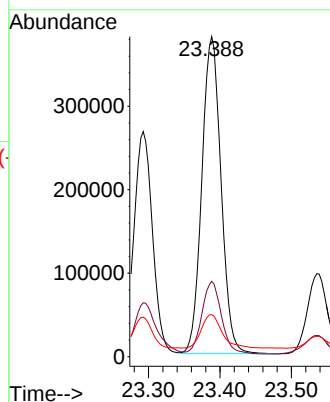
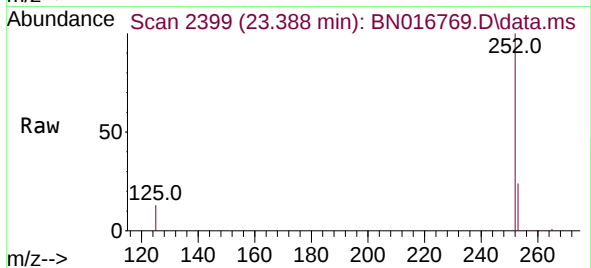
Instrument :

BNA_N

ClientSampleId :

S-832-J-SO-2-2.5-092221-FD

Tgt Ion:252	Resp:	709344
Ion Ratio	Lower	Upper
252	100	
253	23.6	17.9 26.9
125	13.2	9.4 14.2



#40

Dibenzo(a,h)anthracene

Concen: 0.237 ng

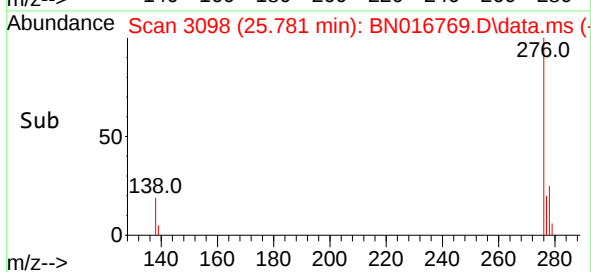
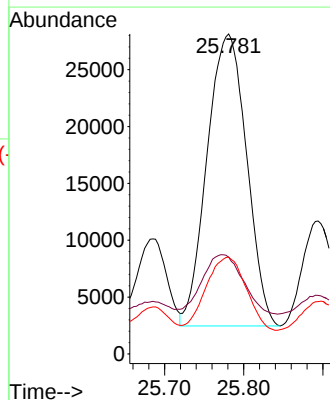
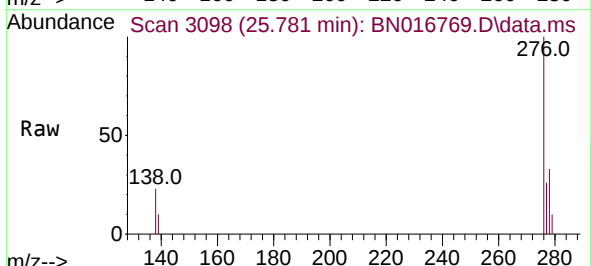
RT: 25.781 min Scan# 3098

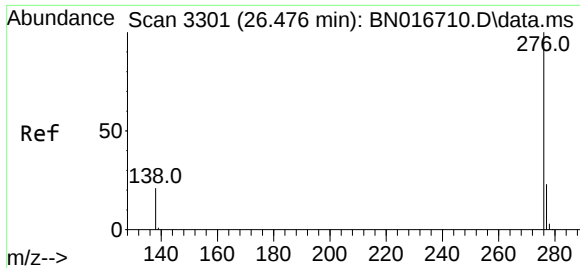
Delta R.T. -0.017 min

Lab File: BN016769.D

Acq: 06 Oct 2021 08:06

Tgt Ion:278	Resp:	89193
Ion Ratio	Lower	Upper
278	100	
139	30.2	13.1 19.7#
279	30.3	19.3 28.9#





#41
Benzo(g,h,i)perylene
Concen: 0.641 ng
RT: 26.466 min Scan# 3298
Delta R.T. -0.010 min
Lab File: BN016769.D
Acq: 06 Oct 2021 08:06

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

Tgt Ion:276 Resp: 269611
Ion Ratio Lower Upper
276 100
277 24.9 19.0 28.4
138 23.2 17.0 25.6

