

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121121\
 Data File : BN017882.D
 Acq On : 10 Dec 2021 21:52
 Operator : CG/JU
 Sample : SSTDICC5.0
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC5.0

Quant Time: Dec 10 23:00:54 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN121121.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 10 22:58:36 2021
 Response via : Initial Calibration

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

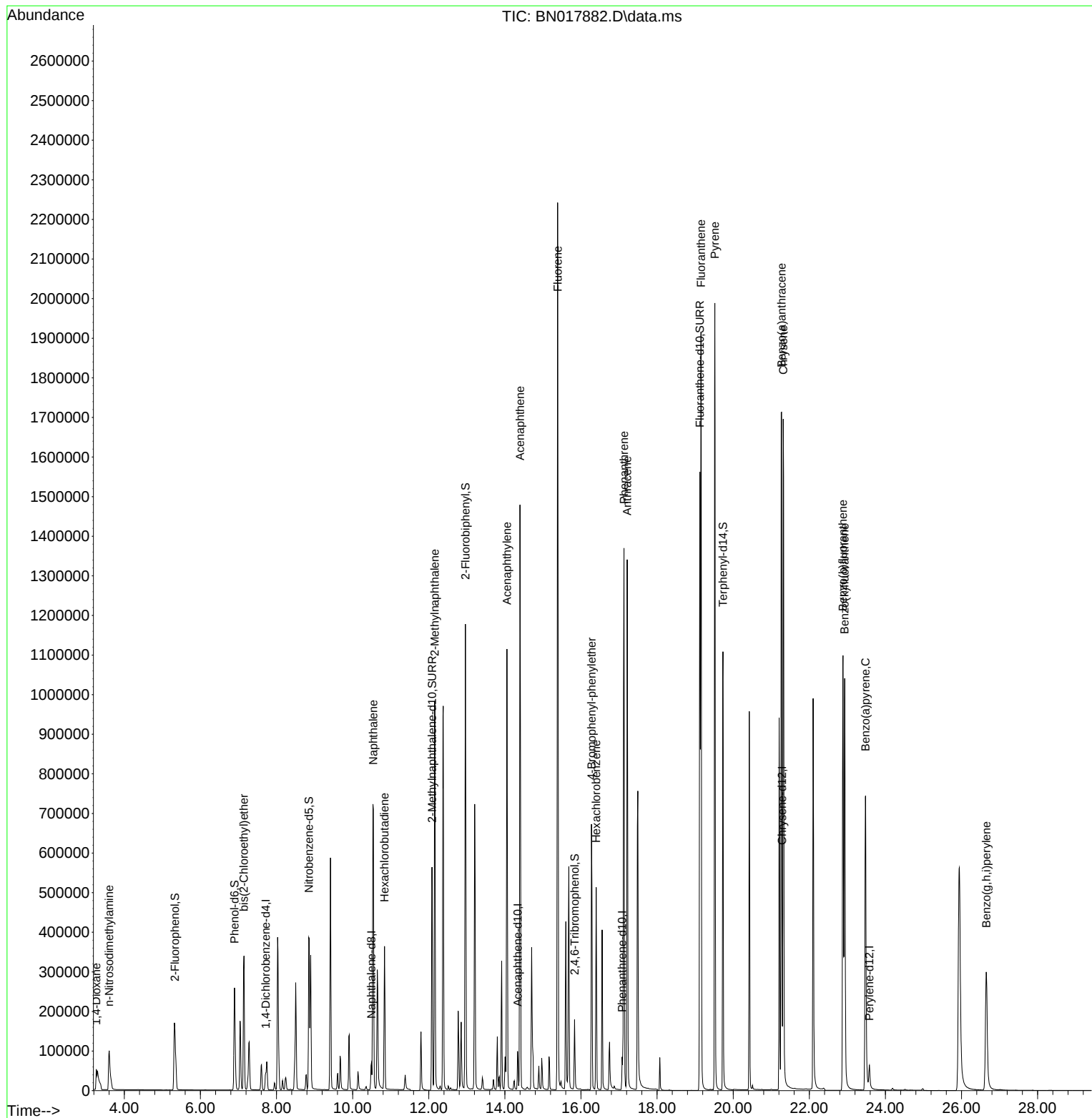
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.715	152	24306	0.400	ng	0.00
7) Naphthalene-d8	10.494	136	93123	0.400	ng	0.00
13) Acenaphthene-d10	14.335	164	58021	0.400	ng	0.00
19) Phenanthrene-d10	17.080	188	119830	0.400	ng	#-0.01
29) Chrysene-d12	21.282	240	109749	0.400	ng	-0.01
35) Perylene-d12	23.579	264	84421	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.327	112	258657	4.405	ng	0.00
5) Phenol-d6	6.894	99	282727	5.089	ng	0.00
8) Nitrobenzene-d5	8.846	82	358748	5.791	ng	-0.01
11) 2-Methylnaphthalene-d10	12.085	152	785226	4.227	ng	0.00
14) 2,4,6-Tribromophenol	15.832	330	151744	5.003	ng	-0.01
15) 2-Fluorobiphenyl	12.964	172	1043088	4.910	ng	0.00
27) Fluoranthene-d10	19.124	212	1929615	4.817	ng	0.00
31) Terphenyl-d14	19.730	244	1257156	5.333	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.261	88	34735	3.882	ng	98
3) n-Nitrosodimethylamine	3.602	42	115089	4.587	ng	98
6) bis(2-Chloroethyl)ether	7.143	93	285768	4.546	ng	99
9) Naphthalene	10.545	128	1081386	4.435	ng	99
10) Hexachlorobutadiene	10.836	225	305853	4.319	ng	# 100
12) 2-Methylnaphthalene	12.156	142	718083	4.087	ng	99
16) Acenaphthylene	14.055	152	1178847	5.172	ng	100
17) Acenaphthene	14.398	154	731190	4.814	ng	98
18) Fluorene	15.388	166	906665	4.674	ng	100
21) 4-Bromophenyl-phenylether	16.277	248	381597	5.262	ng	# 88
22) Hexachlorobenzene	16.399	284	417088	4.840	ng	99
25) Phenanthrene	17.129	178	1518915	4.825	ng	100
26) Anthracene	17.214	178	1415988	5.115	ng	99
28) Fluoranthene	19.154	202	1767827	4.614	ng	99
30) Pyrene	19.517	202	1884737	5.417	ng	100
32) Benzo(a)anthracene	21.272	228	1729718	5.120	ng	99
33) Chrysene	21.314	228	1677427	4.753	ng	99
37) Benzo(b)fluoranthene	22.884	252	1458507	5.083	ng	98
38) Benzo(k)fluoranthene	22.928	252	1380586	5.100	ng	99
39) Benzo(a)pyrene	23.476	252	1263410	4.899	ng	# 91
41) Benzo(g,h,i)perylene	26.649	276	766033	3.932	ng	98

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

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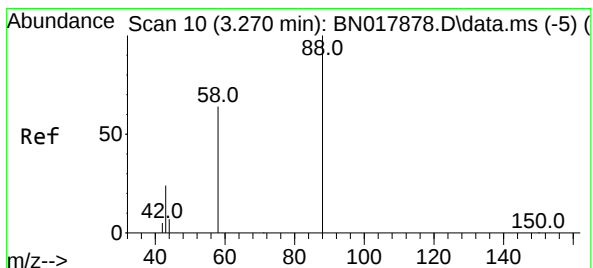
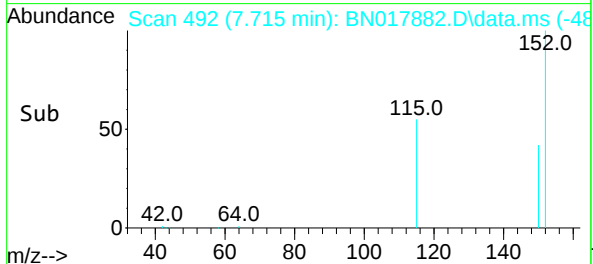
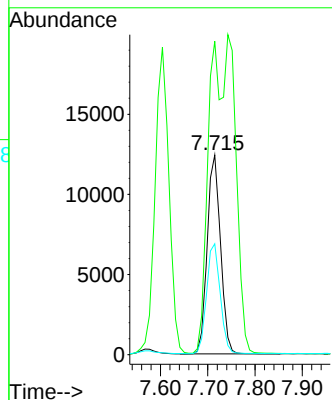
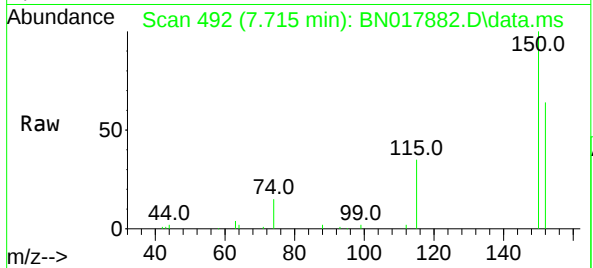




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.715 min Scan# 49
 Delta R.T. -0.000 min
 Lab File: BN017882.D
 Acq: 10 Dec 2021 21:52

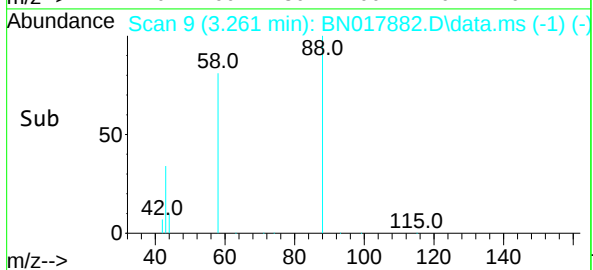
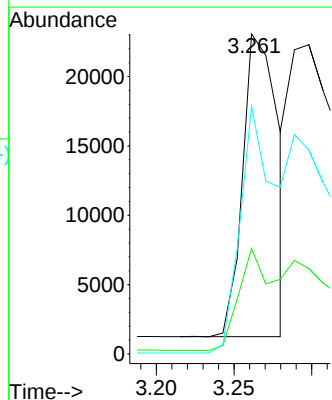
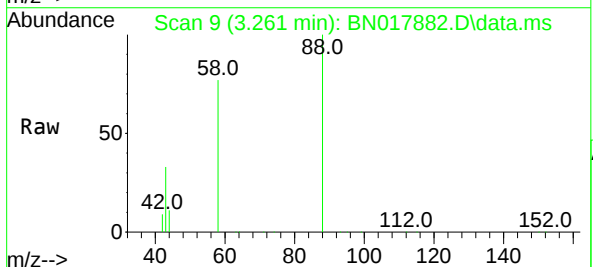
Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC5.0

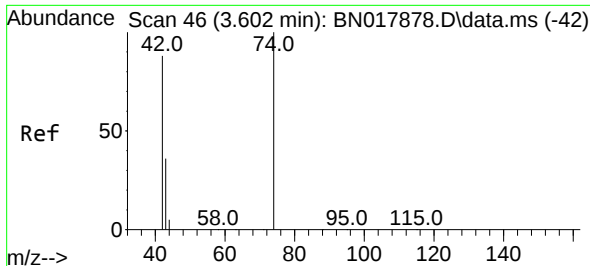
Tgt Ion:152 Resp: 24306
 Ion Ratio Lower Upper
 152 100
 150 156.9 121.9 182.9
 115 55.5 44.1 66.1



#2
 1,4-Dioxane
 Concen: 3.882 ng
 RT: 3.261 min Scan# 9
 Delta R.T. -0.009 min
 Lab File: BN017882.D
 Acq: 10 Dec 2021 21:52

Tgt Ion: 88 Resp: 34735
 Ion Ratio Lower Upper
 88 100
 43 34.0 28.0 42.0
 58 80.0 65.4 98.0



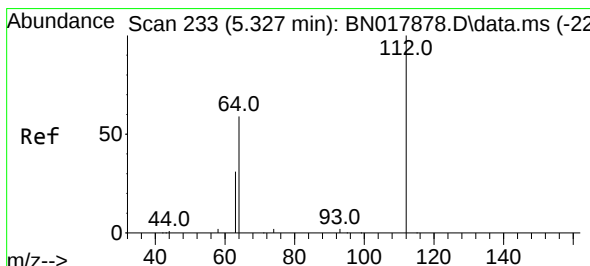
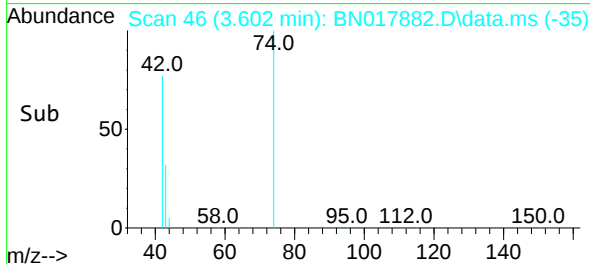
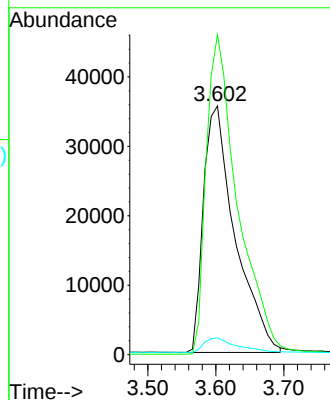
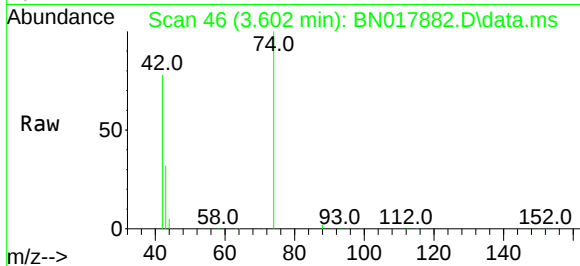


#3
 n-Nitrosodimethylamine
 Concen: 4.587 ng
 RT: 3.602 min Scan# 40
 Delta R.T. 0.000 min
 Lab File: BN017882.D
 Acq: 10 Dec 2021 21:52

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC5.0

Tgt Ion: 42 Resp: 115089

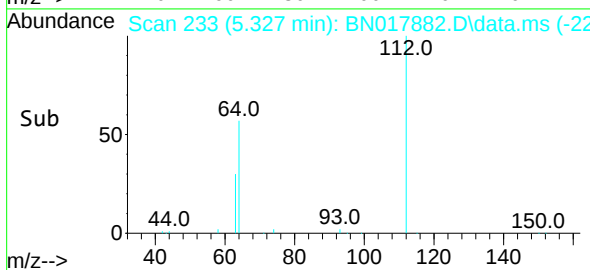
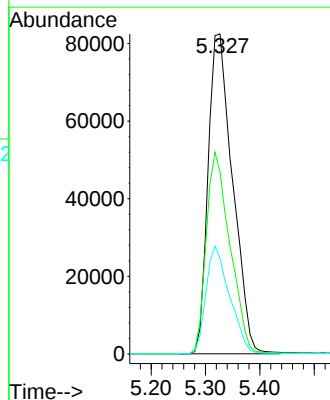
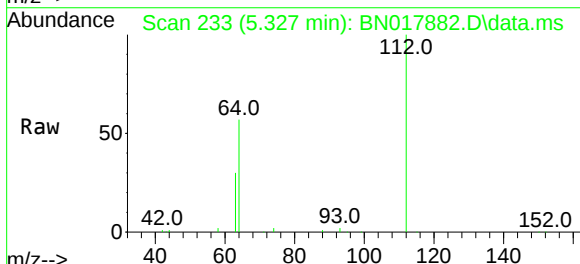
Ion	Ratio	Lower	Upper
42	100		
74	128.1	100.6	150.8
44	6.1	5.2	7.8

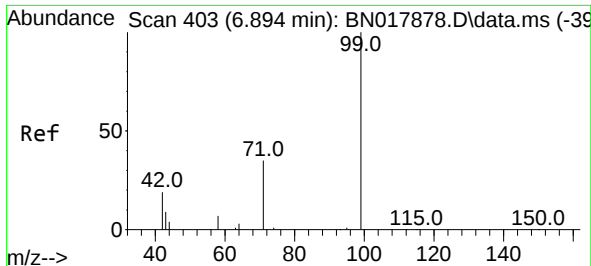


#4
 2-Fluorophenol
 Concen: 4.405 ng
 RT: 5.327 min Scan# 233
 Delta R.T. 0.000 min
 Lab File: BN017882.D
 Acq: 10 Dec 2021 21:52

Tgt Ion: 112 Resp: 258657

Ion	Ratio	Lower	Upper
112	100		
64	61.1	49.0	73.4
63	32.3	26.2	39.2

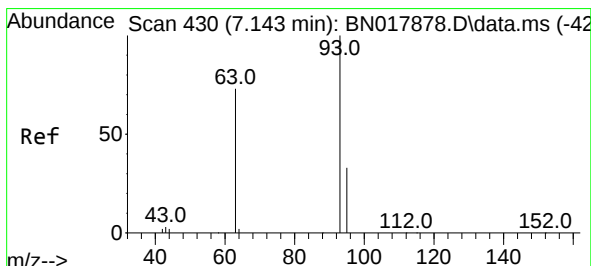
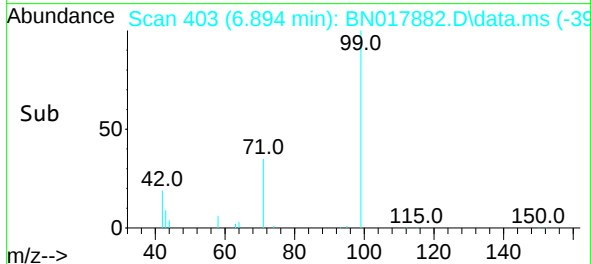
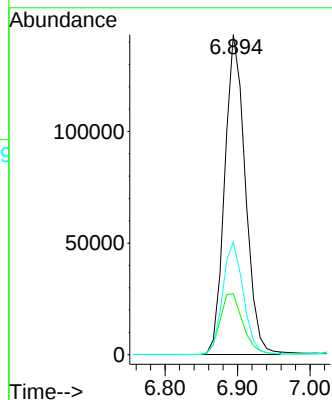
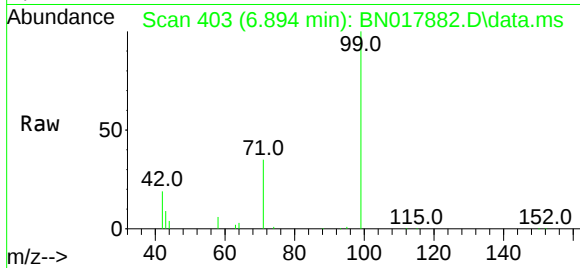




#5
Phenol-d6
Concen: 5.089 ng
RT: 6.894 min Scan# 403
Delta R.T. 0.000 min
Lab File: BN017882.D
Acq: 10 Dec 2021 21:52

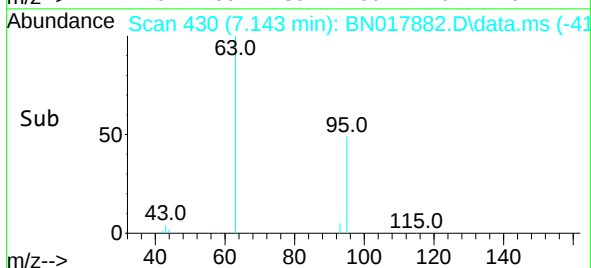
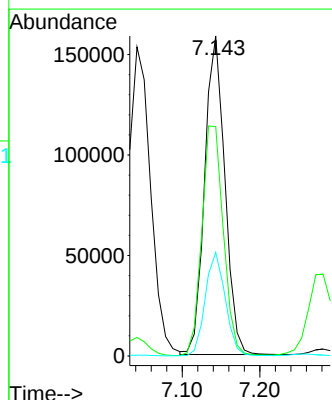
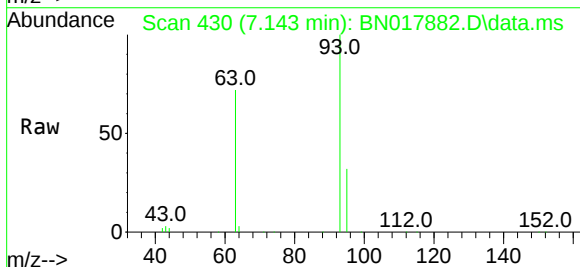
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

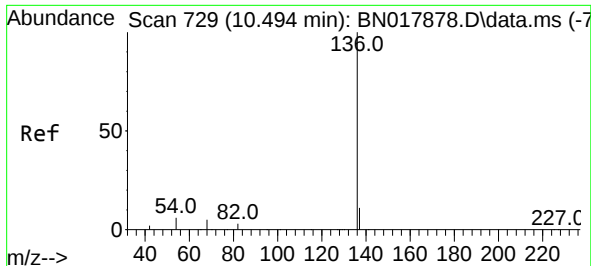
Tgt Ion: 99 Resp: 282727
Ion Ratio Lower Upper
99 100
42 21.0 17.0 25.4
71 35.4 28.0 42.0



#6
bis(2-Chloroethyl)ether
Concen: 4.546 ng
RT: 7.143 min Scan# 430
Delta R.T. 0.000 min
Lab File: BN017882.D
Acq: 10 Dec 2021 21:52

Tgt Ion: 93 Resp: 285768
Ion Ratio Lower Upper
93 100
63 76.7 62.0 93.0
95 32.3 26.2 39.4

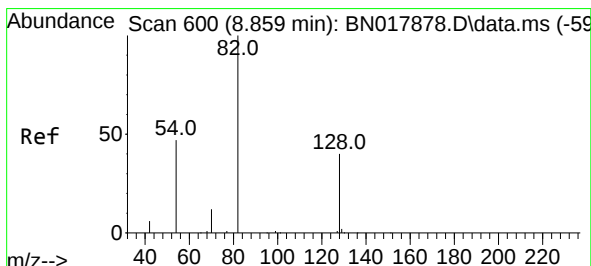
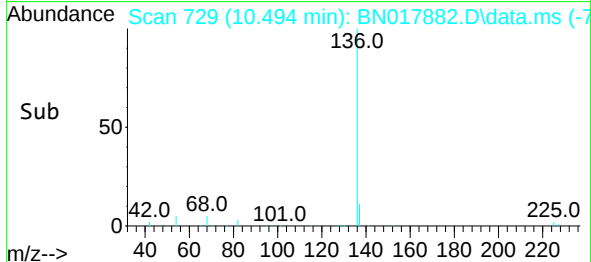
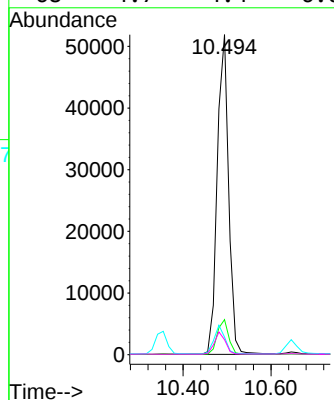
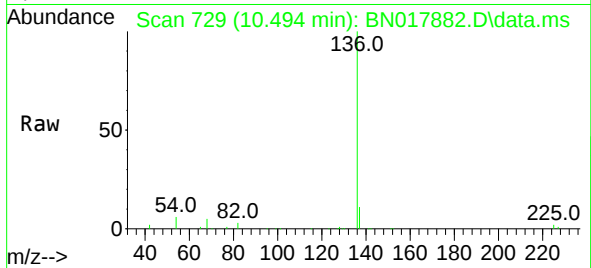




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.494 min Scan# 729
Delta R.T. 0.000 min
Lab File: BN017882.D
Acq: 10 Dec 2021 21:52

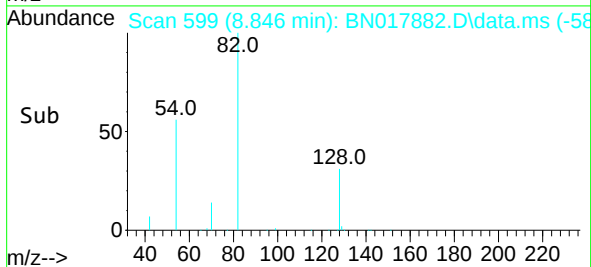
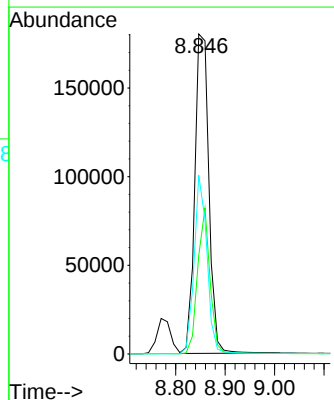
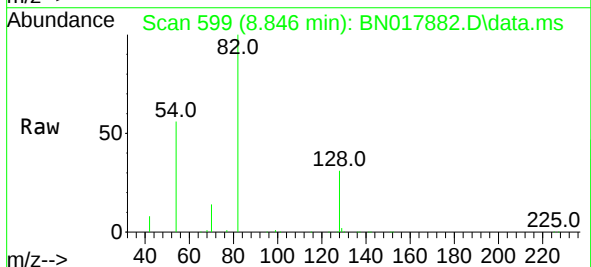
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

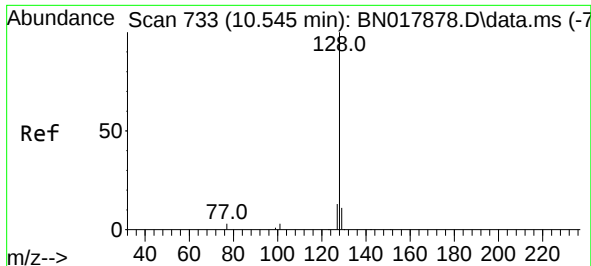
Tgt Ion:	136	Resp:	93123
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	5.5	5.1	7.7
68	4.7	4.4	6.6



#8
Nitrobenzene-d5
Concen: 5.791 ng
RT: 8.846 min Scan# 599
Delta R.T. -0.013 min
Lab File: BN017882.D
Acq: 10 Dec 2021 21:52

Tgt Ion:	82	Resp:	358748
Ion	Ratio	Lower	Upper
82	100		
128	30.8	32.2	48.4#
54	55.8	37.6	56.4

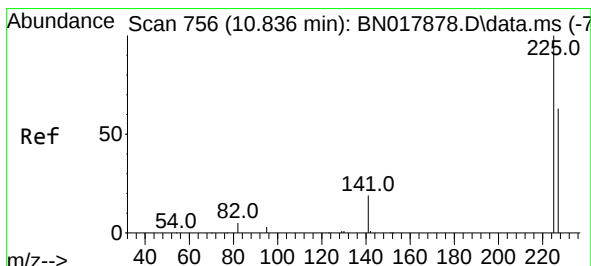
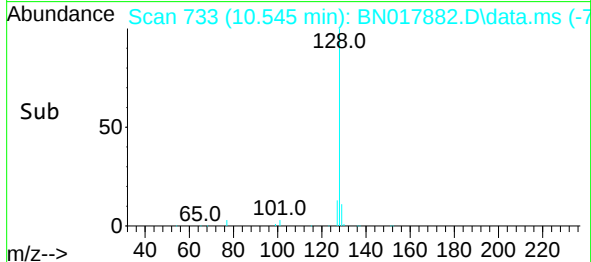
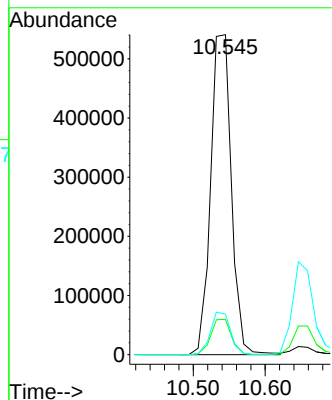
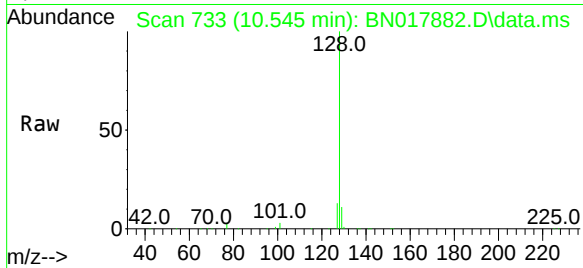




#9
Naphthalene
Concen: 4.435 ng
RT: 10.545 min Scan# 733
Delta R.T. 0.000 min
Lab File: BN017882.D
Acq: 10 Dec 2021 21:52

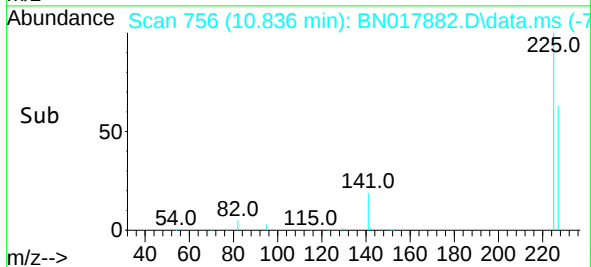
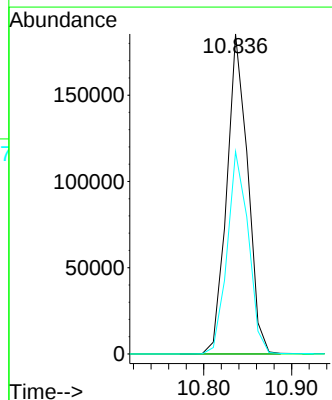
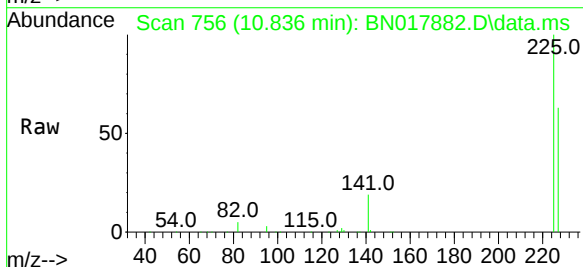
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SSTDICC5.0

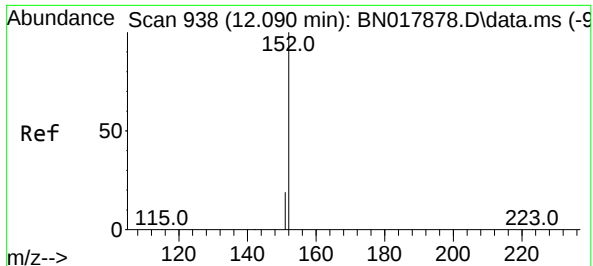
Tgt Ion:128 Resp: 1081386
Ion Ratio Lower Upper
128 100
129 11.0 8.8 13.2
127 12.6 10.5 15.7



#10
Hexachlorobutadiene
Concen: 4.319 ng
RT: 10.836 min Scan# 756
Delta R.T. 0.000 min
Lab File: BN017882.D
Acq: 10 Dec 2021 21:52

Tgt Ion:225 Resp: 305853
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 64.0 51.1 76.7





#11

2-Methylnaphthalene-d10

Concen: 4.227 ng

RT: 12.085 min Scan# 91

Delta R.T. -0.004 min

Lab File: BN017882.D

Acq: 10 Dec 2021 21:52

Instrument :

BNA_N

ClientSampleId :

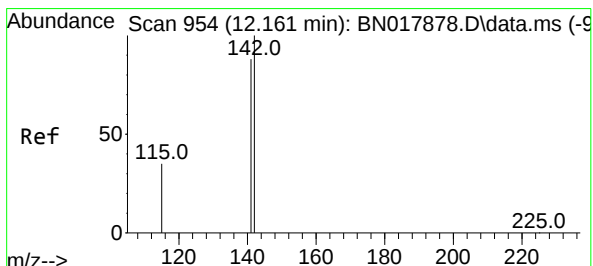
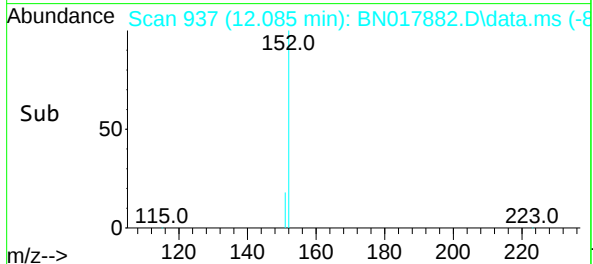
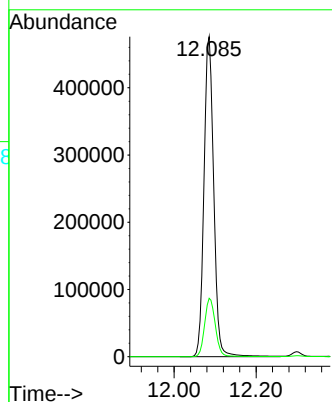
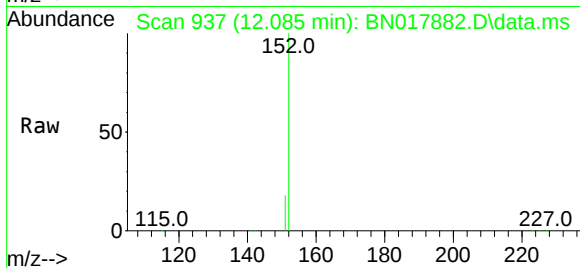
SSTDICC5.0

Tgt Ion:152 Resp: 785226

Ion Ratio Lower Upper

152 100

151 20.1 16.4 24.6



#12

2-Methylnaphthalene

Concen: 4.087 ng

RT: 12.156 min Scan# 953

Delta R.T. -0.004 min

Lab File: BN017882.D

Acq: 10 Dec 2021 21:52

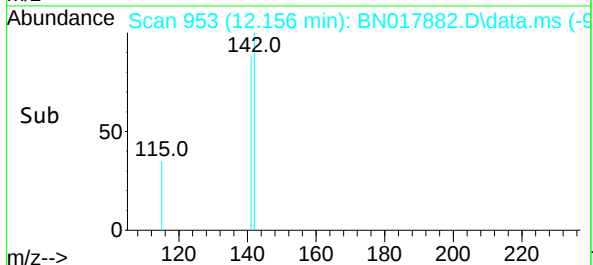
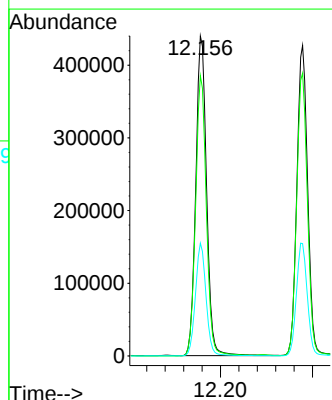
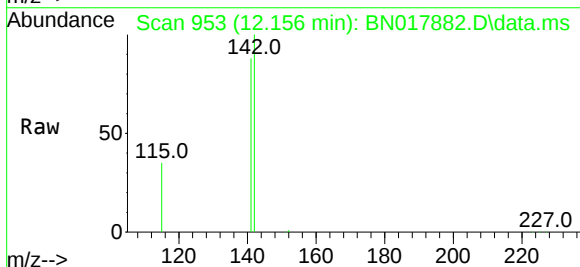
Tgt Ion:142 Resp: 718083

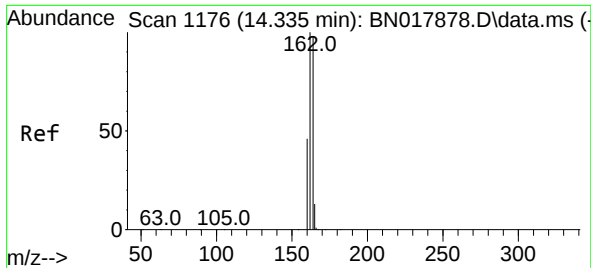
Ion Ratio Lower Upper

142 100

141 87.6 70.6 105.8

115 35.2 27.8 41.6

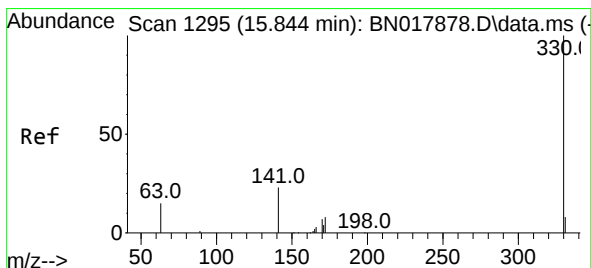
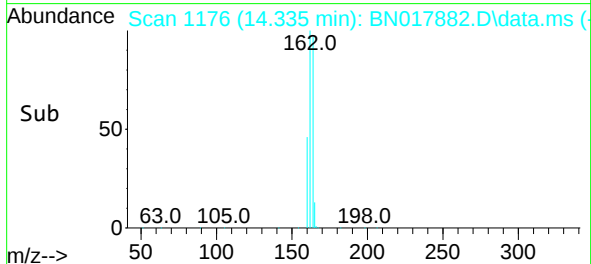
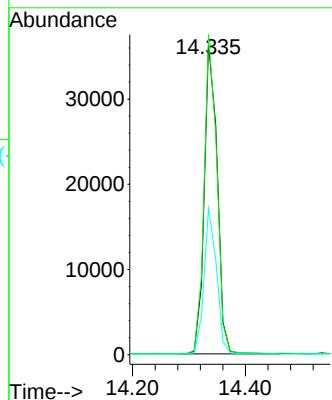
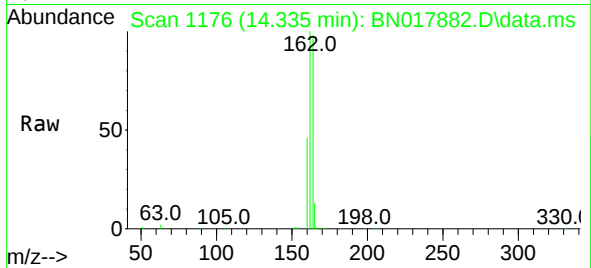




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.335 min Scan# 1176
Delta R.T. 0.000 min
Lab File: BN017882.D
Acq: 10 Dec 2021 21:52

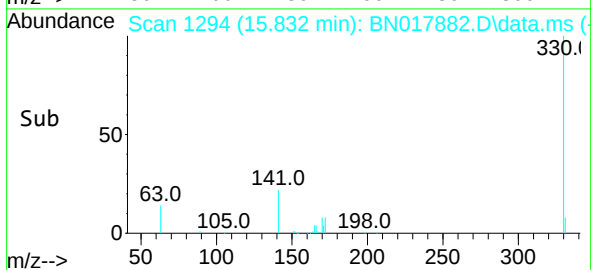
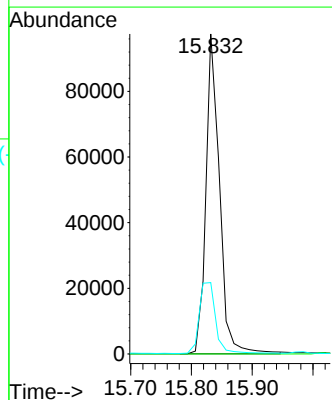
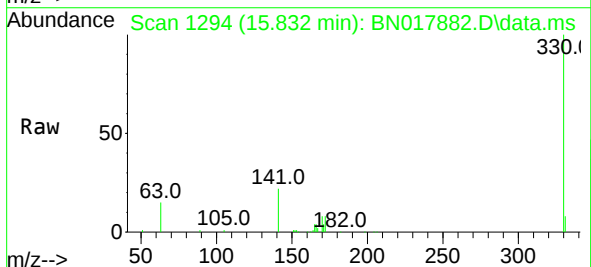
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

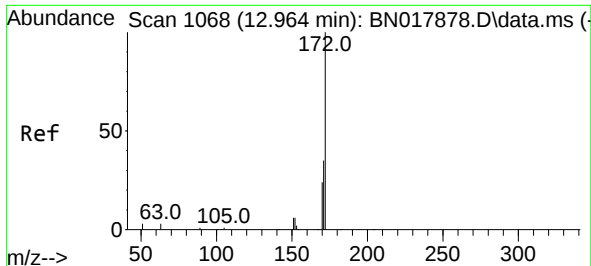
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Ion Ratio Lower Upper
164 100
162 102.9 82.1 123.1
160 47.1 38.2 57.2



#14
2,4,6-Tribromophenol
Concen: 5.003 ng
RT: 15.832 min Scan# 1294
Delta R.T. -0.013 min
Lab File: BN017882.D
Acq: 10 Dec 2021 21:52

Tgt Ion:330 Resp: 151744
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 26.5 19.7 29.5

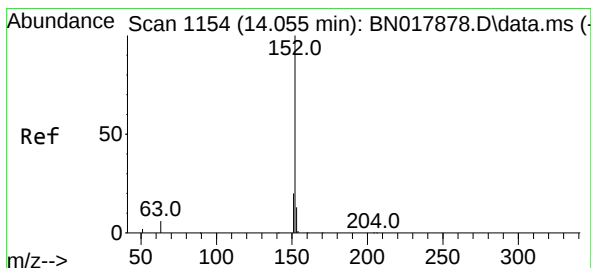
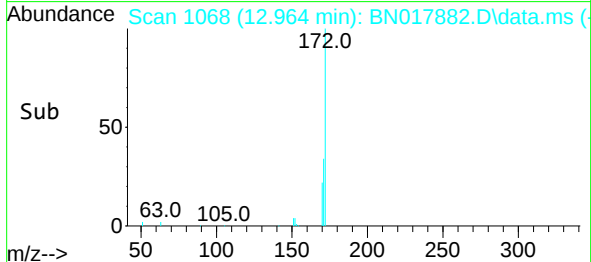
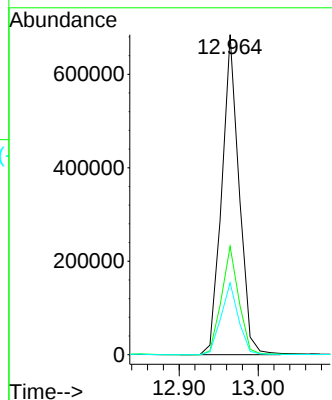
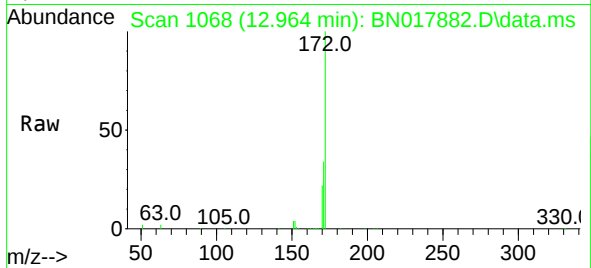




#15
2-Fluorobiphenyl
Concen: 4.910 ng
RT: 12.964 min Scan# 1068
Delta R.T. 0.000 min
Lab File: BN017882.D
Acq: 10 Dec 2021 21:52

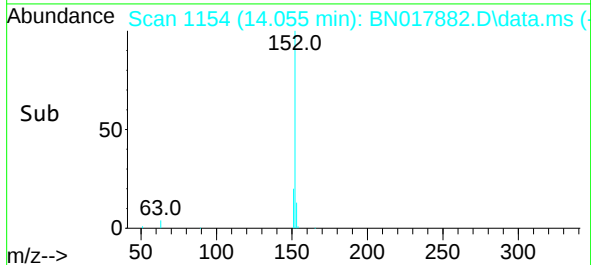
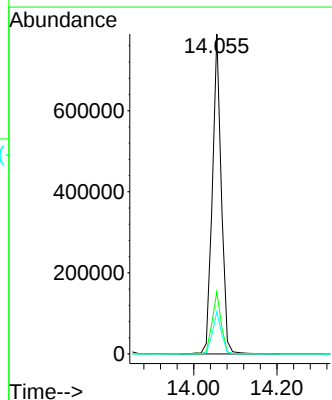
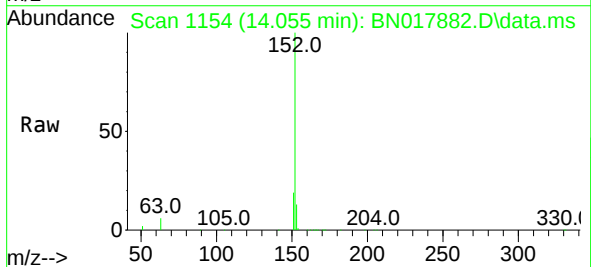
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

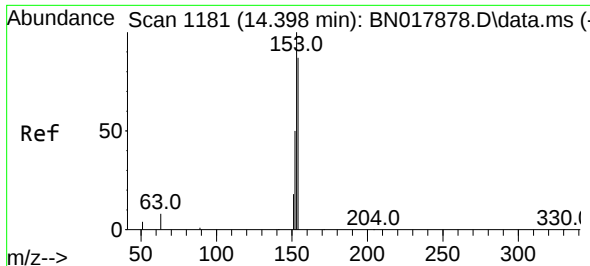
Tgt Ion:172 Resp: 1043088
Ion Ratio Lower Upper
172 100
171 33.9 28.3 42.5
170 22.5 19.1 28.7



#16
Acenaphthylene
Concen: 5.172 ng
RT: 14.055 min Scan# 1154
Delta R.T. 0.000 min
Lab File: BN017882.D
Acq: 10 Dec 2021 21:52

Tgt Ion:152 Resp: 1178847
Ion Ratio Lower Upper
152 100
151 19.4 15.6 23.4
153 13.2 10.5 15.7

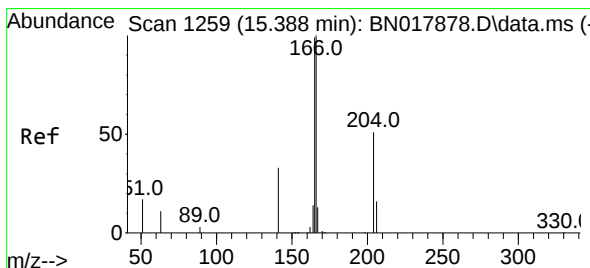
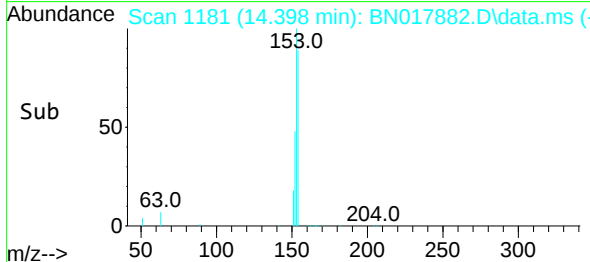
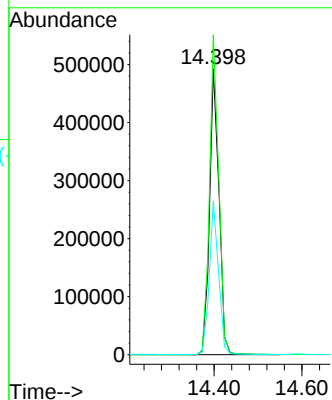
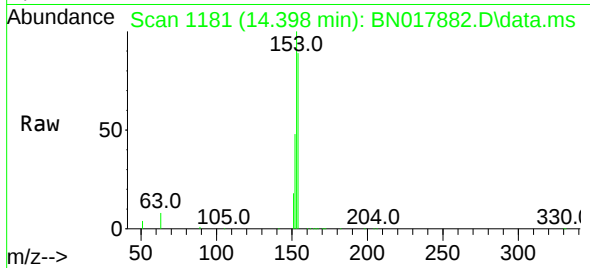




#17
Acenaphthene
Concen: 4.814 ng
RT: 14.398 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BN017882.D
Acq: 10 Dec 2021 21:52

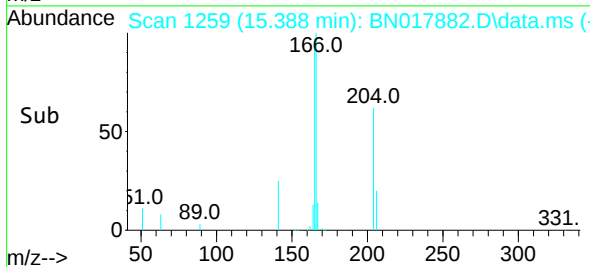
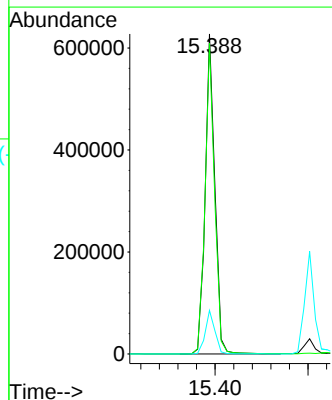
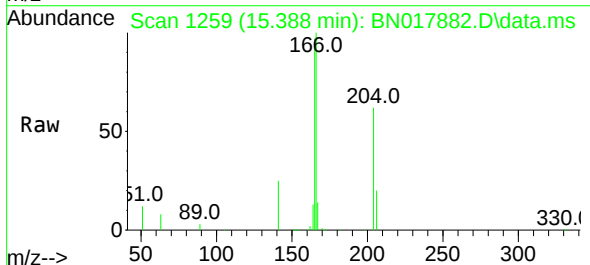
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

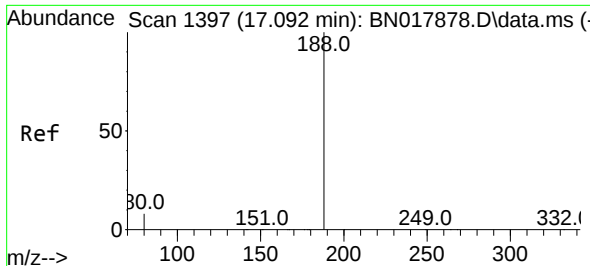
Tgt Ion:154 Resp: 731190
Ion Ratio Lower Upper
154 100
153 111.0 89.8 134.8
152 52.9 44.2 66.2



#18
Fluorene
Concen: 4.674 ng
RT: 15.388 min Scan# 1259
Delta R.T. 0.000 min
Lab File: BN017882.D
Acq: 10 Dec 2021 21:52

Tgt Ion:166 Resp: 906665
Ion Ratio Lower Upper
166 100
165 96.4 77.5 116.3
167 13.6 10.8 16.2

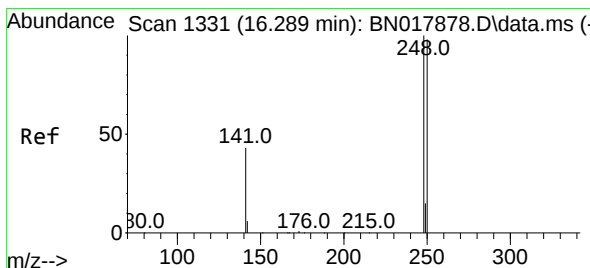
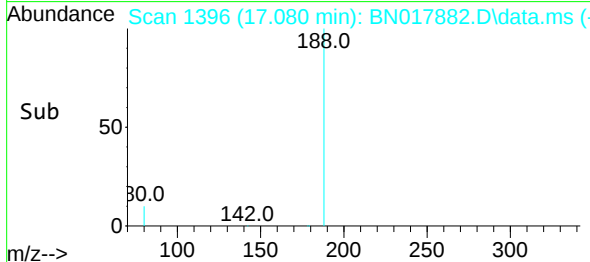
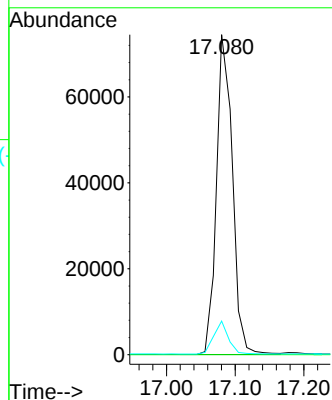
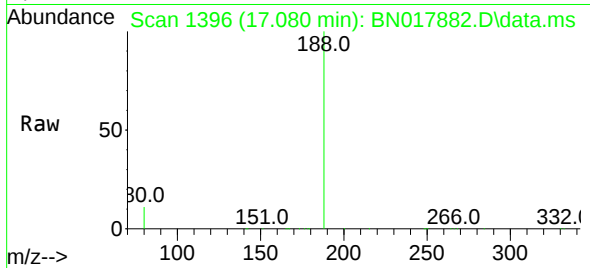




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.080 min Scan# 11
Delta R.T. -0.012 min
Lab File: BN017882.D
Acq: 10 Dec 2021 21:52

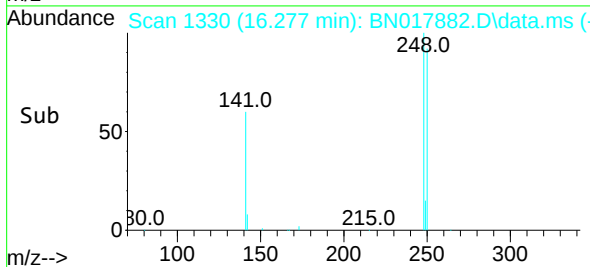
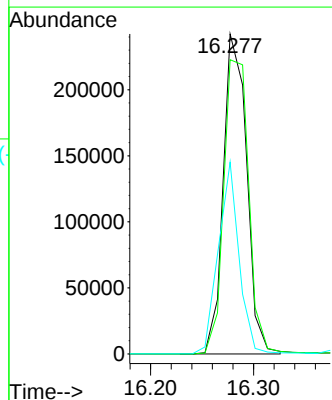
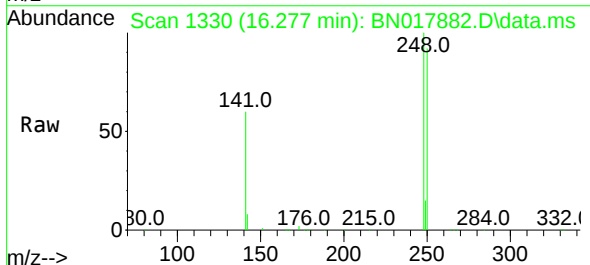
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

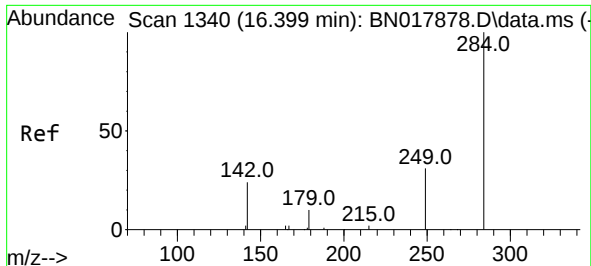
Tgt Ion:188 Resp: 119830
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 10.5 6.2 9.2#



#21
4-Bromophenyl-phenylether
Concen: 5.262 ng
RT: 16.277 min Scan# 1330
Delta R.T. -0.012 min
Lab File: BN017882.D
Acq: 10 Dec 2021 21:52

Tgt Ion:248 Resp: 381597
Ion Ratio Lower Upper
248 100
250 91.9 78.6 117.8
141 60.0 34.6 51.8#

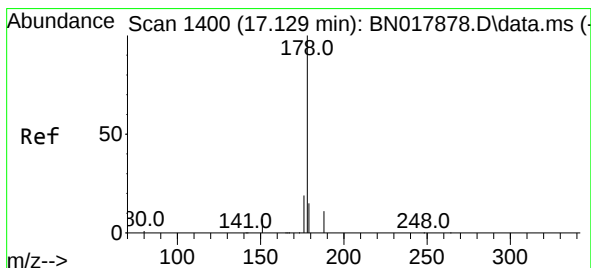
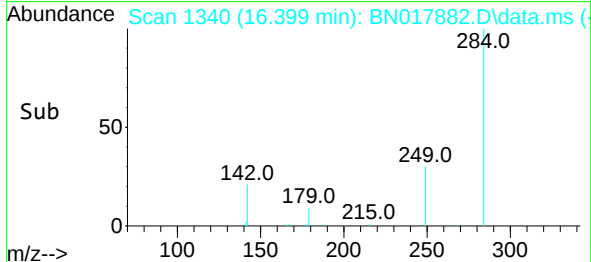
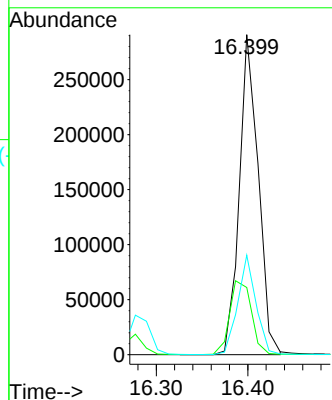
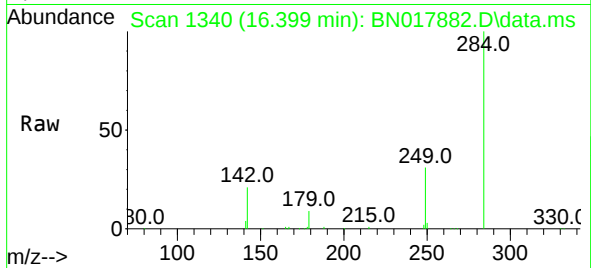




#22
Hexachlorobenzene
Concen: 4.840 ng
RT: 16.399 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN017882.D
Acq: 10 Dec 2021 21:52

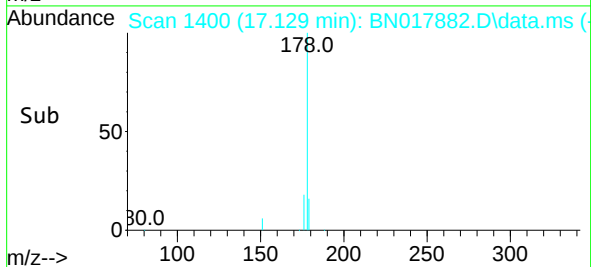
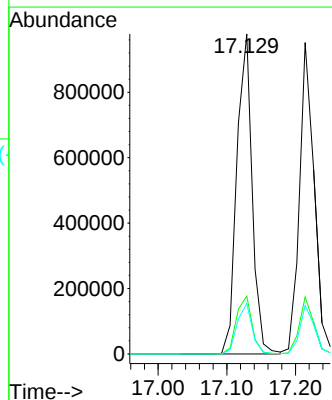
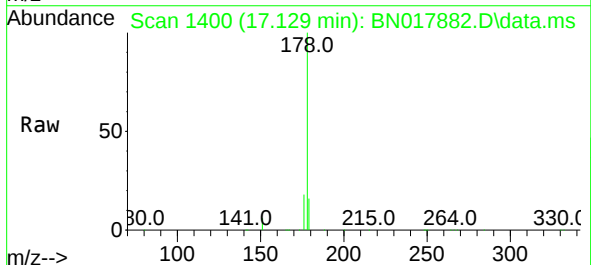
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

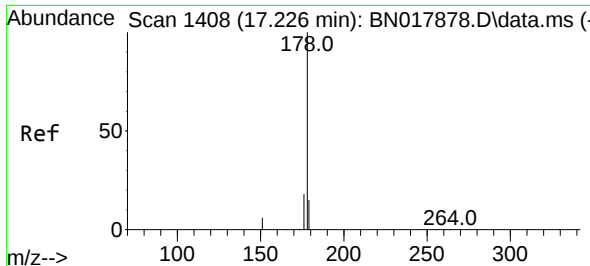
Tgt Ion:284 Resp: 417088
Ion Ratio Lower Upper
284 100
142 26.4 21.2 31.8
249 29.8 23.2 34.8



#25
Phenanthrene
Concen: 4.825 ng
RT: 17.129 min Scan# 1400
Delta R.T. 0.000 min
Lab File: BN017882.D
Acq: 10 Dec 2021 21:52

Tgt Ion:178 Resp: 1518915
Ion Ratio Lower Upper
178 100
176 18.5 15.0 22.6
179 15.6 12.4 18.6

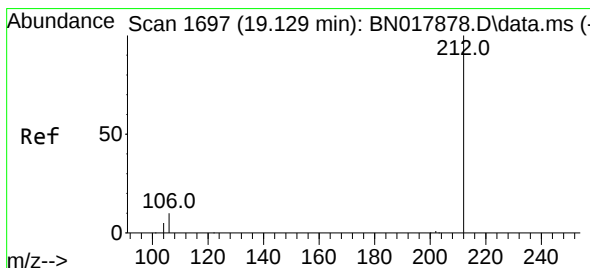
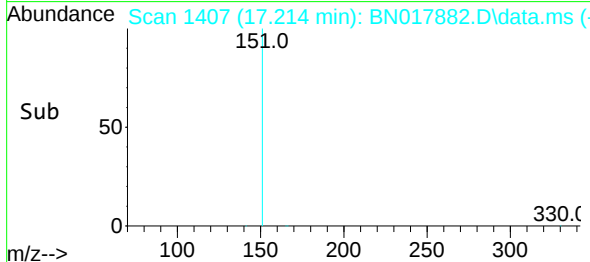
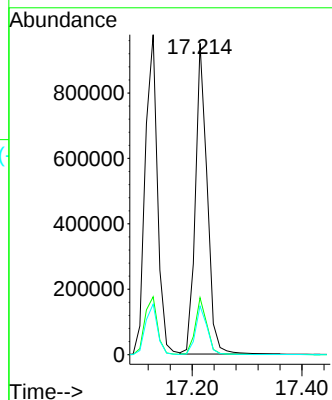
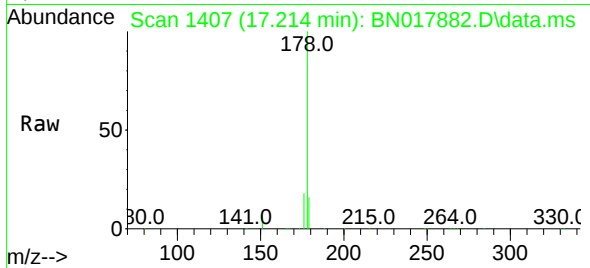




#26
 Anthracene
 Concen: 5.115 ng
 RT: 17.214 min Scan# 1407
 Delta R.T. -0.012 min
 Lab File: BN017882.D
 Acq: 10 Dec 2021 21:52

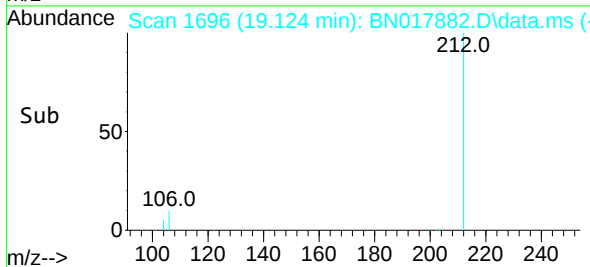
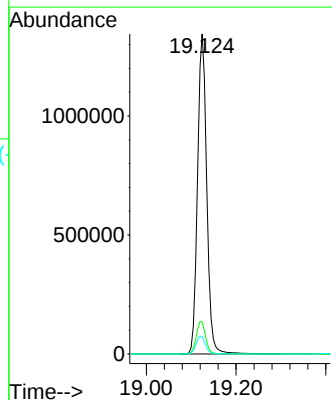
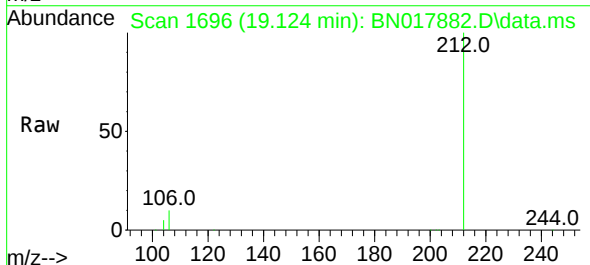
Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC5.0

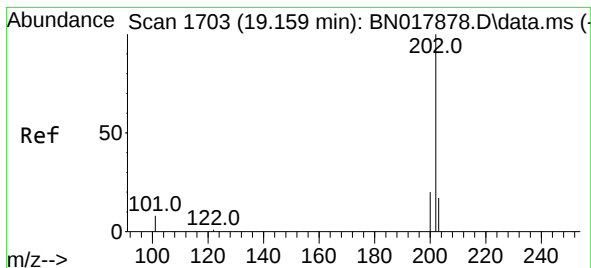
Tgt Ion:178 Resp: 1415988
 Ion Ratio Lower Upper
 178 100
 176 18.1 14.3 21.5
 179 15.6 12.2 18.4



#27
 Fluoranthene-d10
 Concen: 4.817 ng
 RT: 19.124 min Scan# 1696
 Delta R.T. -0.005 min
 Lab File: BN017882.D
 Acq: 10 Dec 2021 21:52

Tgt Ion:212 Resp: 1929615
 Ion Ratio Lower Upper
 212 100
 106 10.3 8.3 12.5
 104 5.7 4.6 6.8





#28

Fluoranthene

Concen: 4.614 ng

RT: 19.154 min Scan# 1

Delta R.T. -0.005 min

Lab File: BN017882.D

Acq: 10 Dec 2021 21:52

Instrument :

BNA_N

ClientSampleId :

SSTDICC5.0

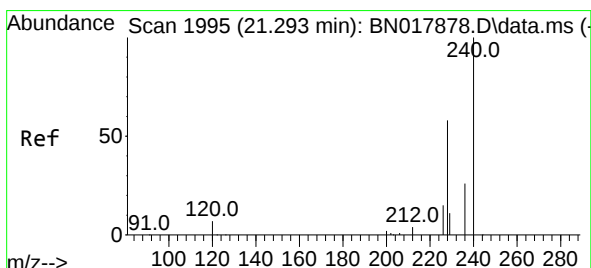
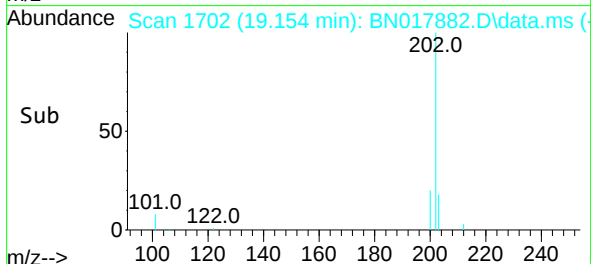
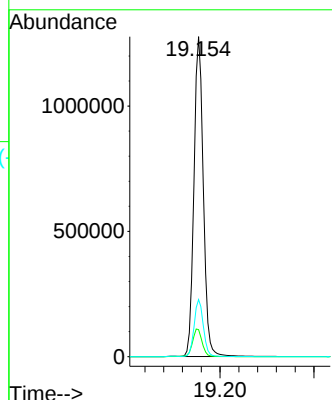
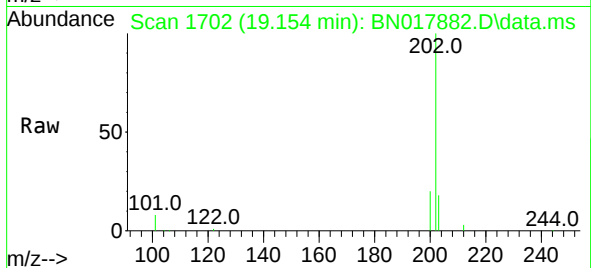
Tgt Ion:202 Resp: 1767827

Ion Ratio Lower Upper

202 100

101 9.0 7.3 10.9

203 17.7 13.7 20.5



#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.282 min Scan# 1994

Delta R.T. -0.011 min

Lab File: BN017882.D

Acq: 10 Dec 2021 21:52

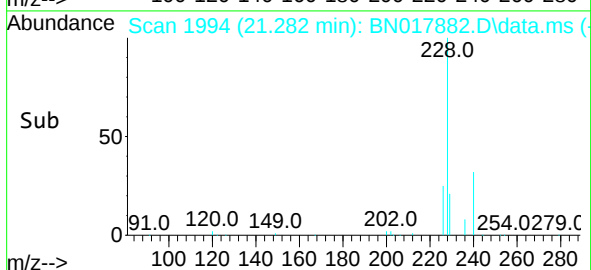
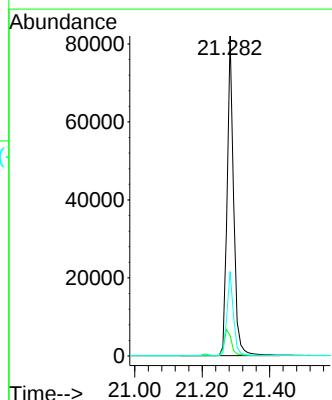
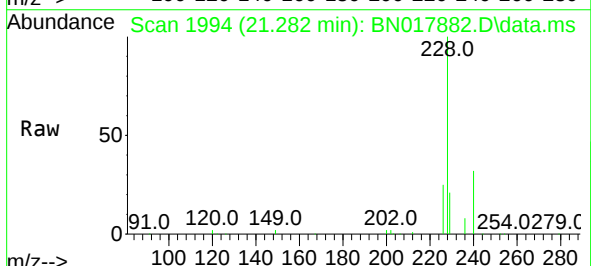
Tgt Ion:240 Resp: 109749

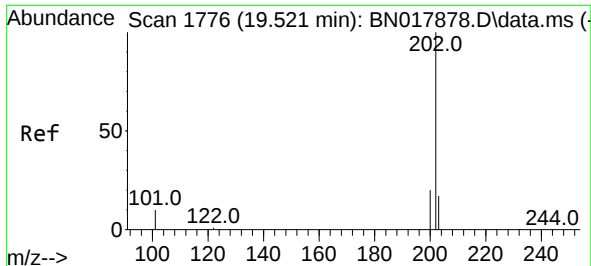
Ion Ratio Lower Upper

240 100

120 6.4 5.8 8.8

236 26.4 21.0 31.6

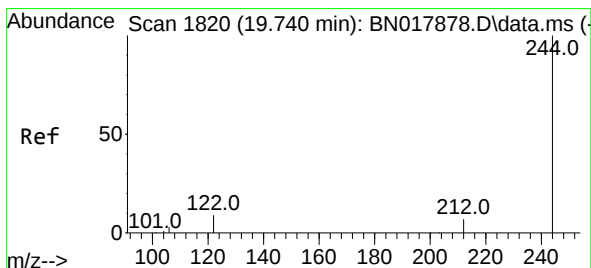
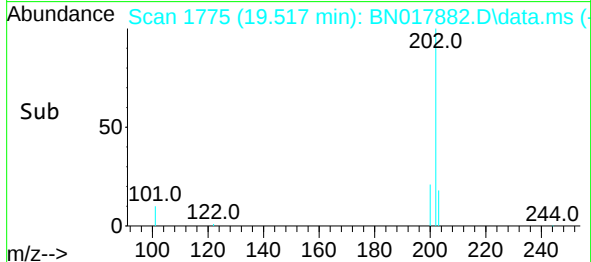
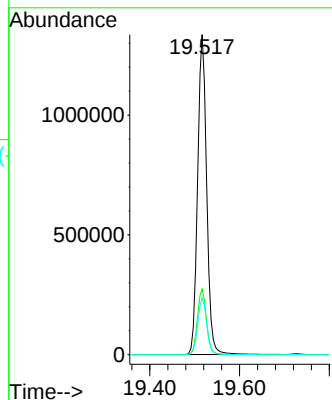
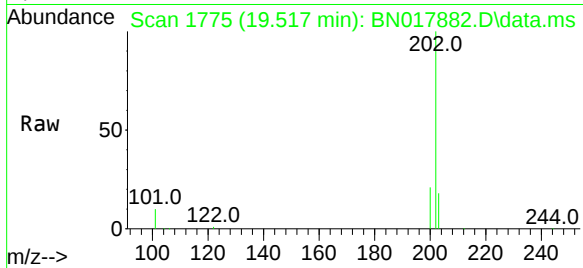




#30
 Pyrene
 Concen: 5.417 ng
 RT: 19.517 min Scan# 1
 Delta R.T. -0.005 min
 Lab File: BN017882.D
 Acq: 10 Dec 2021 21:52

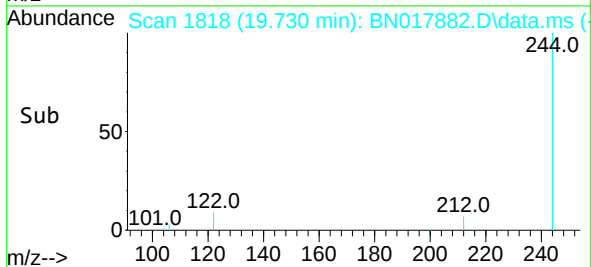
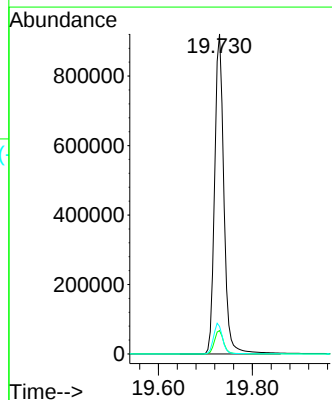
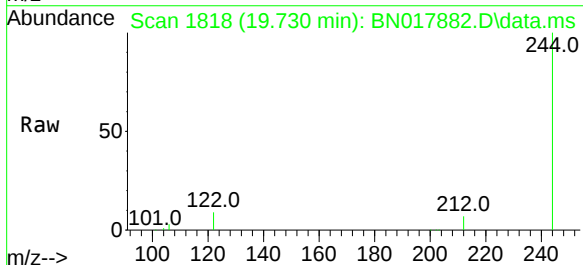
Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC5.0

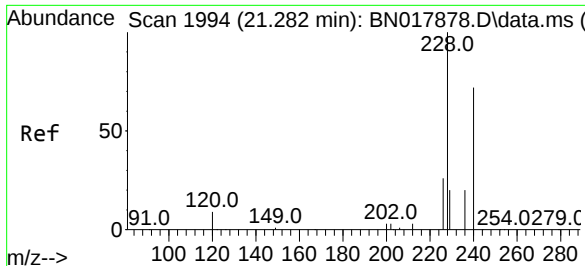
Tgt Ion:202 Resp: 1884737
 Ion Ratio Lower Upper
 202 100
 200 20.6 16.5 24.7
 203 17.8 14.0 21.0



#31
 Terphenyl-d14
 Concen: 5.333 ng
 RT: 19.730 min Scan# 1818
 Delta R.T. -0.010 min
 Lab File: BN017882.D
 Acq: 10 Dec 2021 21:52

Tgt Ion:244 Resp: 1257156
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.2 9.2
 122 8.6 7.5 11.3

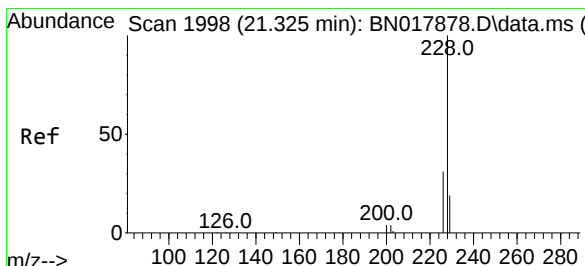
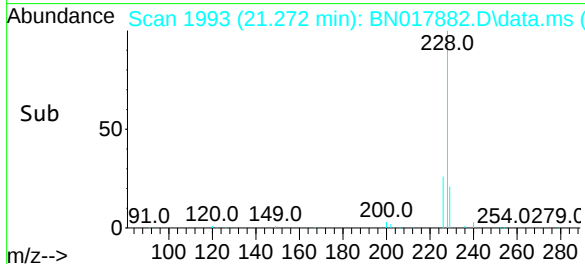
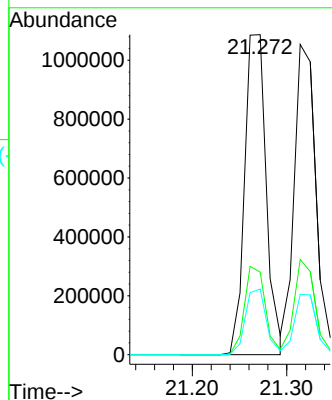
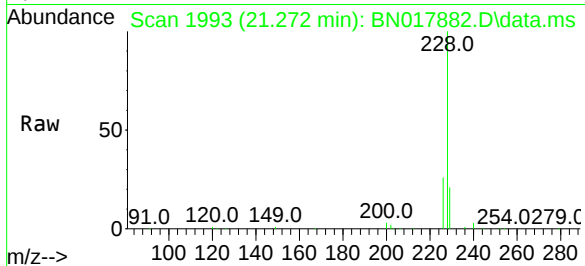




#32
Benzo(a)anthracene
Concen: 5.120 ng
RT: 21.272 min Scan# 1993
Delta R.T. -0.011 min
Lab File: BN017882.D
Acq: 10 Dec 2021 21:52

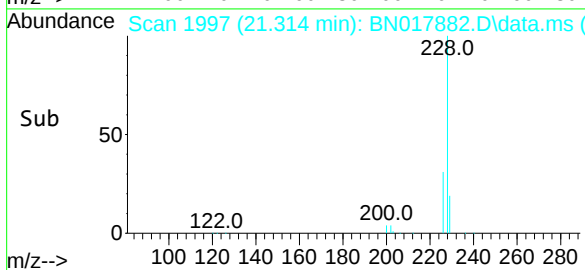
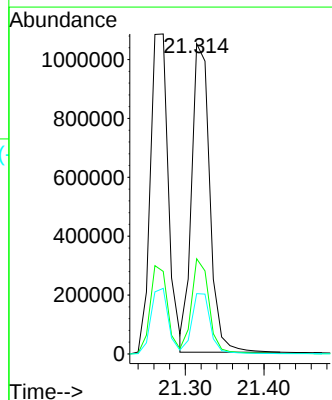
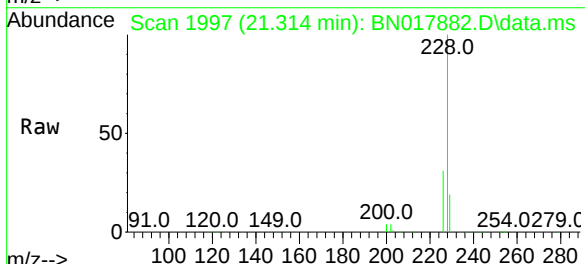
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

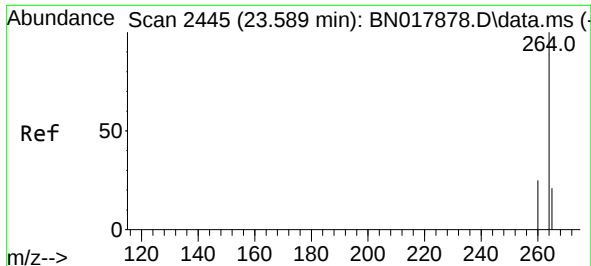
Tgt Ion:228 Resp: 1729718
Ion Ratio Lower Upper
228 100
226 25.8 21.0 31.4
229 20.5 15.8 23.8



#33
Chrysene
Concen: 4.753 ng
RT: 21.314 min Scan# 1997
Delta R.T. -0.011 min
Lab File: BN017882.D
Acq: 10 Dec 2021 21:52

Tgt Ion:228 Resp: 1677427
Ion Ratio Lower Upper
228 100
226 30.7 23.8 35.8
229 19.4 15.6 23.4

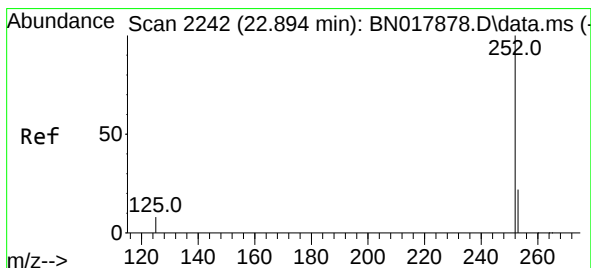
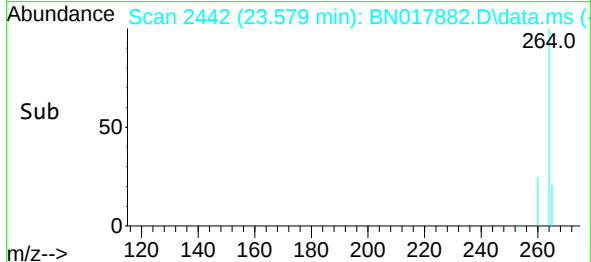
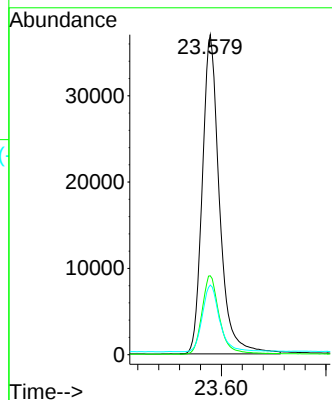
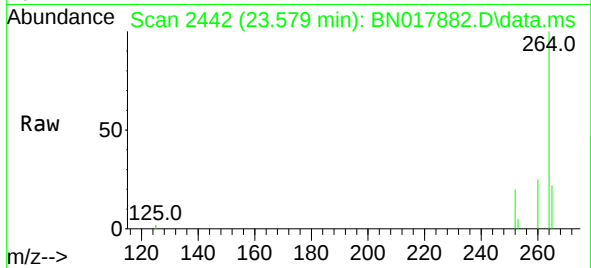




#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.579 min Scan# 2445
 Delta R.T. -0.010 min
 Lab File: BN017882.D
 Acq: 10 Dec 2021 21:52

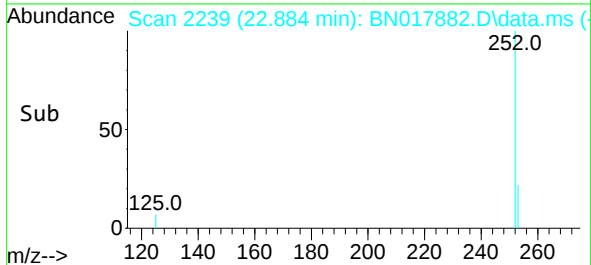
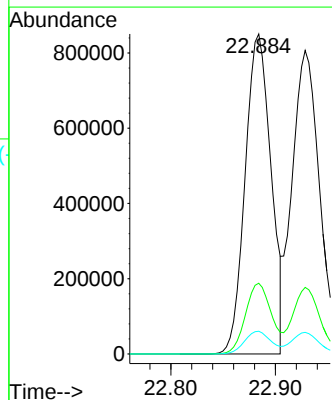
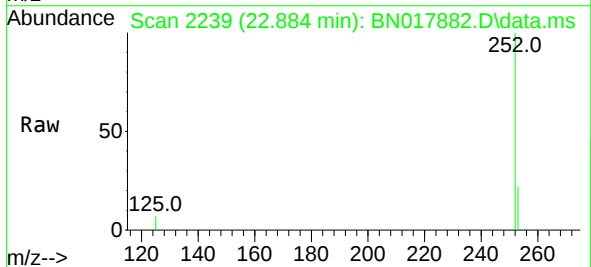
Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC5.0

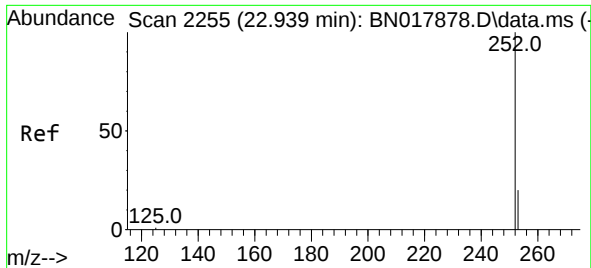
Tgt Ion:264 Resp: 84421
 Ion Ratio Lower Upper
 264 100
 260 24.7 20.2 30.4
 265 21.7 18.2 27.4



#37
 Benzo(b)fluoranthene
 Concen: 5.083 ng
 RT: 22.884 min Scan# 2239
 Delta R.T. -0.010 min
 Lab File: BN017882.D
 Acq: 10 Dec 2021 21:52

Tgt Ion:252 Resp: 1458507
 Ion Ratio Lower Upper
 252 100
 253 22.1 17.9 26.9
 125 7.1 6.8 10.2

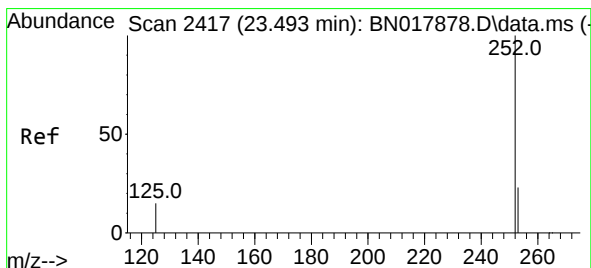
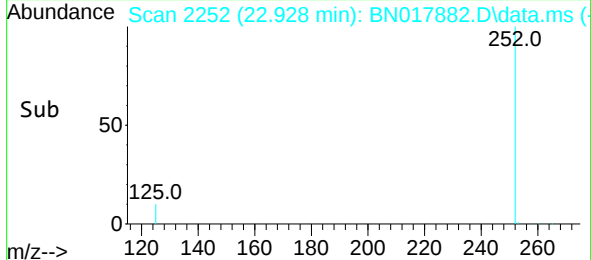
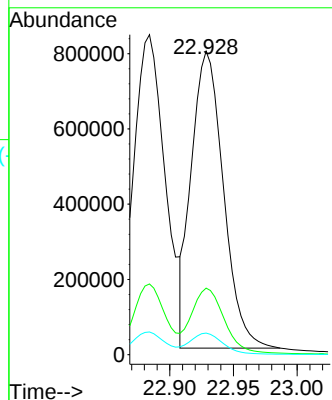
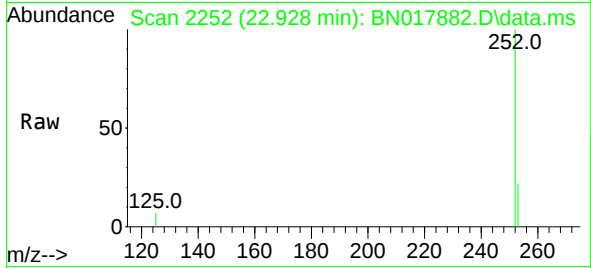




#38
Benzo(k)fluoranthene
Concen: 5.100 ng
RT: 22.928 min Scan# 21
Delta R.T. -0.010 min
Lab File: BN017882.D
Acq: 10 Dec 2021 21:52

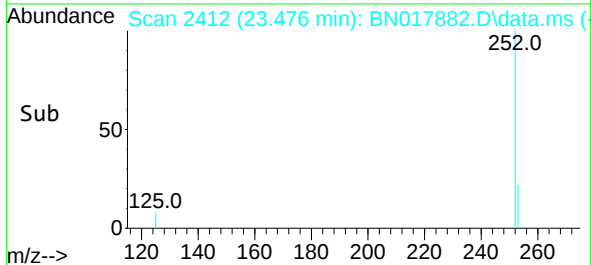
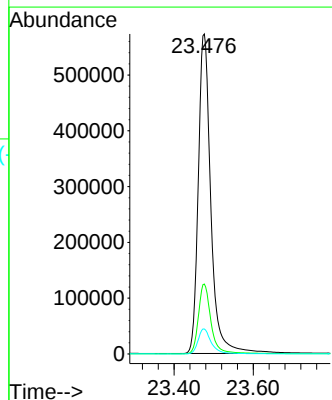
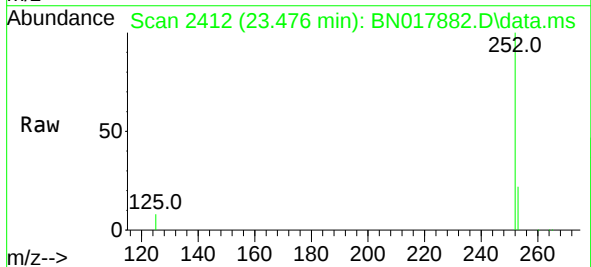
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

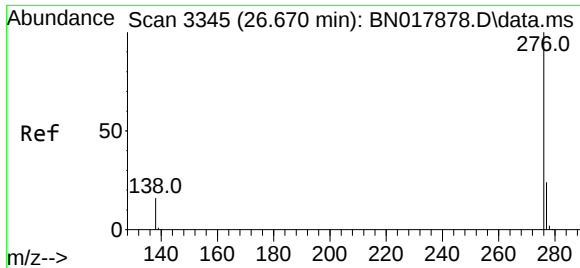
Tgt Ion:252 Resp: 1380586
Ion Ratio Lower Upper
252 100
253 21.9 17.8 26.6
125 7.1 6.1 9.1



#39
Benzo(a)pyrene
Concen: 4.899 ng
RT: 23.476 min Scan# 2412
Delta R.T. -0.017 min
Lab File: BN017882.D
Acq: 10 Dec 2021 21:52

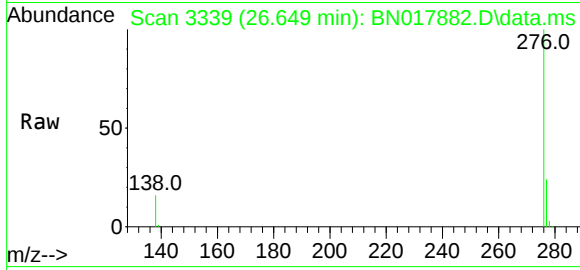
Tgt Ion:252 Resp: 1263410
Ion Ratio Lower Upper
252 100
253 21.8 18.8 28.2
125 7.8 12.2 18.2#





#41
Benzo(g,h,i)perylene
Concen: 3.932 ng
RT: 26.649 min Scan# 31
Delta R.T. -0.020 min
Lab File: BN017882.D
Acq: 10 Dec 2021 21:52

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0



Tgt Ion:276 Resp: 766033
Ion Ratio Lower Upper
276 100
277 23.7 19.6 29.4
138 15.8 13.8 20.8

