

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120821\
 Data File : BN017812.D
 Acq On : 08 Dec 2021 22:37
 Operator : CG/JU
 Sample : M4966-22
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 P3-COMP

Quant Time: Dec 09 11:05:43 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN120721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 08 01:18:09 2021
 Response via : Initial Calibration

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

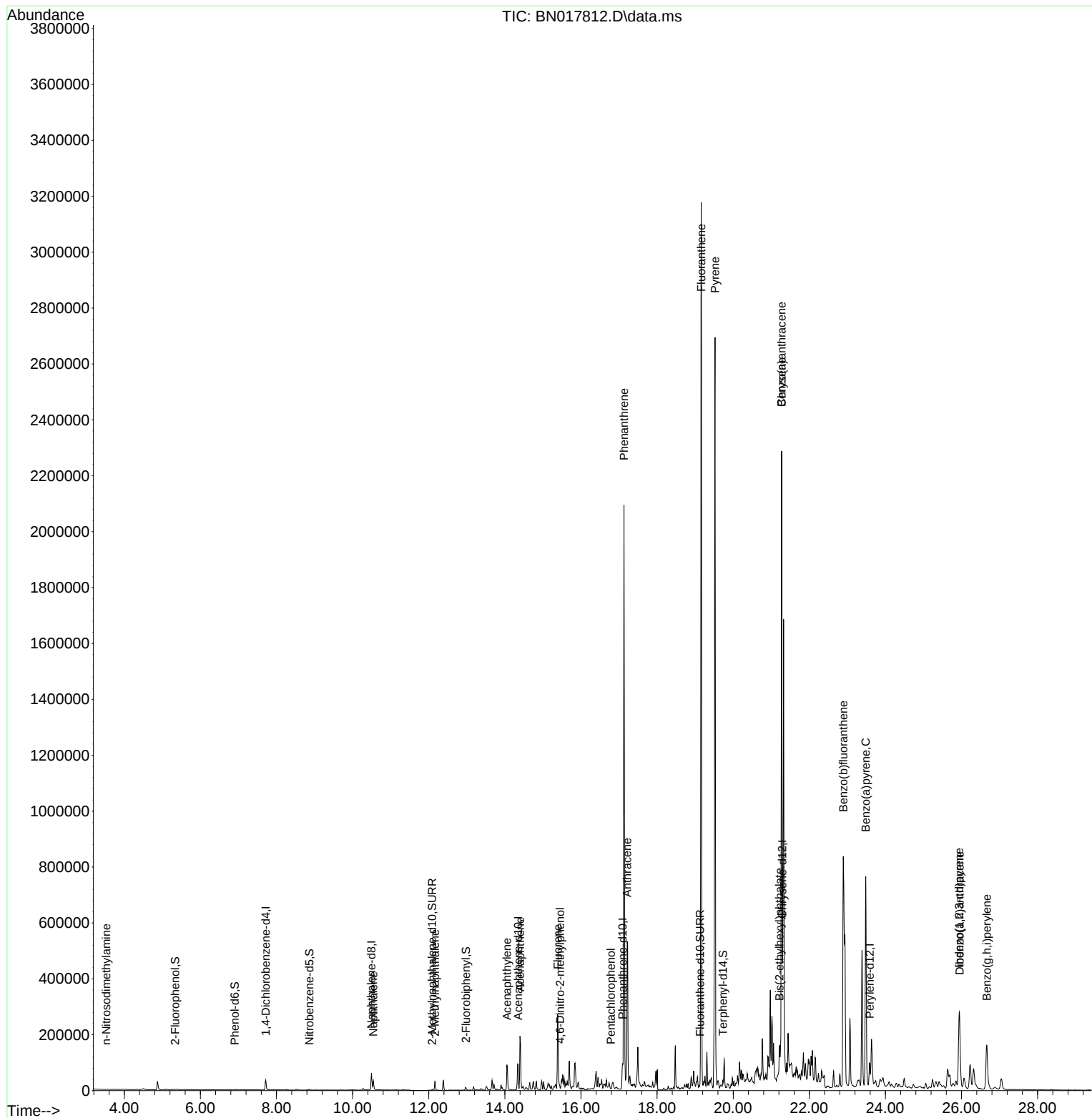
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.715	152	21973	0.400	ng	0.00
7) Naphthalene-d8	10.494	136	89794	0.400	ng	0.00
13) Acenaphthene-d10	14.347	164	63713	0.400	ng	0.00
19) Phenanthrene-d10	17.092	188	133451	0.400	ng	0.00
29) Chrysene-d12	21.293	240	123381	0.400	ng	# 0.01
35) Perylene-d12	23.586	264	116351	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.336	112	2157	0.041	ng	0.00
5) Phenol-d6	6.903	99	1926	0.038	ng	0.00
8) Nitrobenzene-d5	8.859	82	2753	0.046	ng	0.00
11) 2-Methylnaphthalene-d10	12.090	152	7061	0.039	ng	0.00
14) 2,4,6-Tribromophenol	15.844	330	544	0.016	ng	0.00
15) 2-Fluorobiphenyl	12.977	172	11026	0.047	ng	0.01
27) Fluoranthene-d10	19.129	212	16988	0.038	ng	0.00
31) Terphenyl-d14	19.730	244	17905	0.068	ng	0.00
Target Compounds						
						Qvalue
3) n-Nitrosodimethylamine	3.529	42	611	0.027	ng	# 1
9) Naphthalene	10.545	128	44069	0.187	ng	100
12) 2-Methylnaphthalene	12.165	142	28201	0.166	ng	100
16) Acenaphthylene	14.055	152	103007	0.412	ng	98
17) Acenaphthene	14.398	154	111255	0.667	ng	98
18) Fluorene	15.388	166	181541	0.852	ng	97
20) 4,6-Dinitro-2-methylph...	15.451	198	12	0.089	ng	# 1
24) Pentachlorophenol	16.788	266	30	0.281	ng	# 44
25) Phenanthrene	17.129	178	2145637	6.120	ng	100
26) Anthracene	17.214	178	678318	2.200	ng	96
28) Fluoranthene	19.159	202	2992466	7.013	ng	98
30) Pyrene	19.521	202	2570979	6.573	ng	# 92
32) Benzo(a)anthracene	21.272	228	1901526	5.006	ng	98
33) Chrysene	21.272	228	1089320	2.746	ng	96
34) Bis(2-ethylhexyl)phtha...	21.219	149	90436	0.526	ng	98
36) Indeno(1,2,3-cd)pyrene	25.941	276	443144	1.374	ng	97
37) Benzo(b)fluoranthene	22.894	252	1526367	3.860	ng	99
39) Benzo(a)pyrene	23.483	252	1109987	3.123	ng	99
40) Dibenzo(a,h)anthracene	25.951	278	148024	0.593	ng	# 93
41) Benzo(g,h,i)perylene	26.663	276	361672	1.347	ng	99

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

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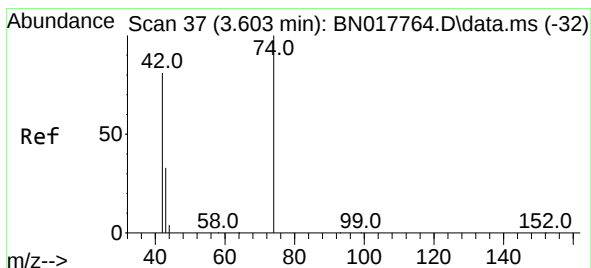
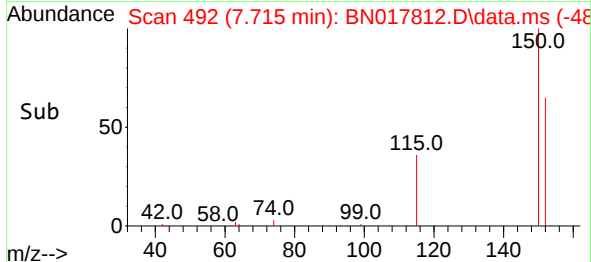
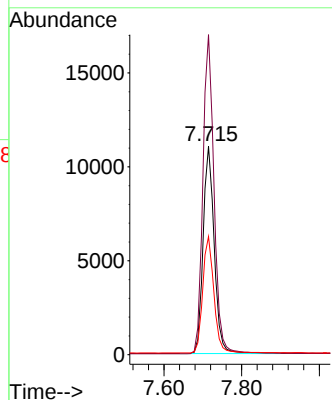
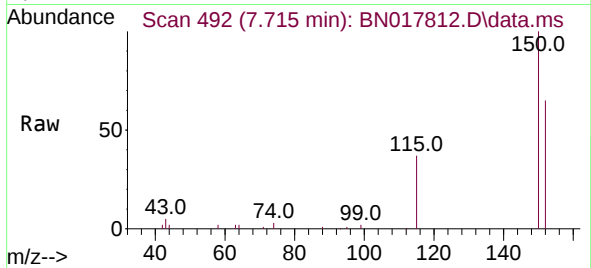




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.715 min Scan# 492
Delta R.T. -0.000 min
Lab File: BN017812.D
Acq: 08 Dec 2021 22:37

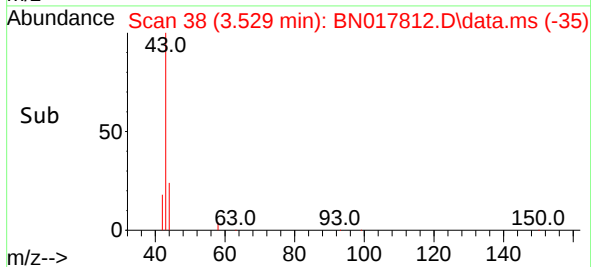
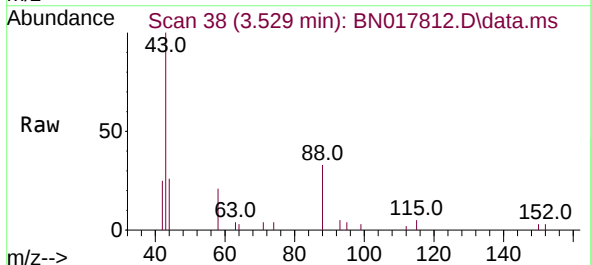
Instrument :
BNA_N
ClientSampleId :
P3-COMP

Tgt Ion:152 Resp: 21973
Ion Ratio Lower Upper
152 100
150 153.6 123.0 184.4
115 56.7 45.3 67.9



#3
n-Nitrosodimethylamine
Concen: 0.027 ng
RT: 3.529 min Scan# 38
Delta R.T. -0.074 min
Lab File: BN017812.D
Acq: 08 Dec 2021 22:37

Tgt Ion: 42 Resp: 611
Ion Ratio Lower Upper
42 100
74 0.0 101.3 151.9#
44 73.6 5.0 7.4#

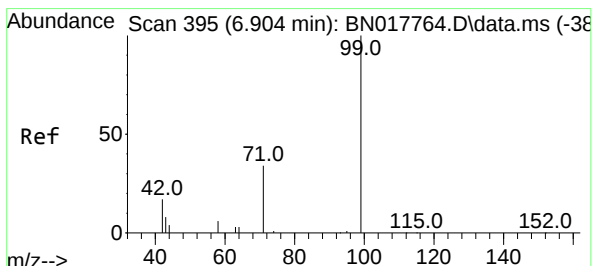
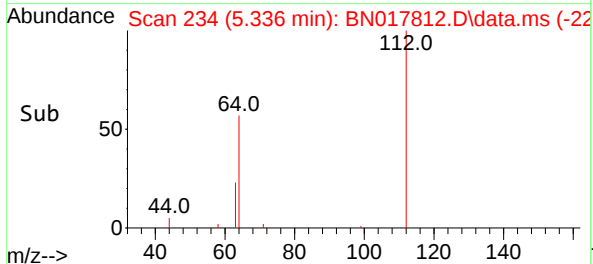
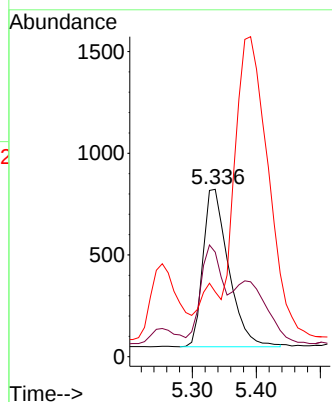
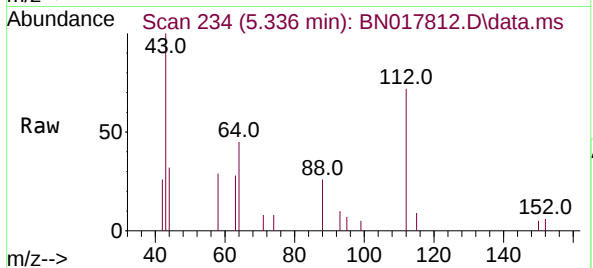




#4
2-Fluorophenol
Concen: 0.041 ng
RT: 5.336 min Scan# 21
Delta R.T. 0.009 min
Lab File: BN017812.D
Acq: 08 Dec 2021 22:37

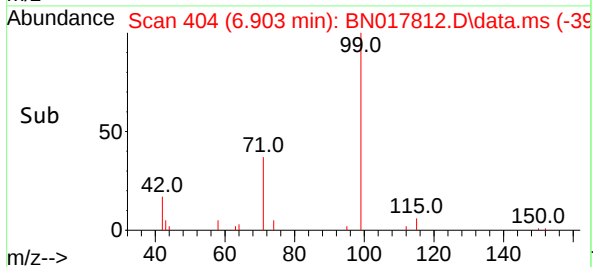
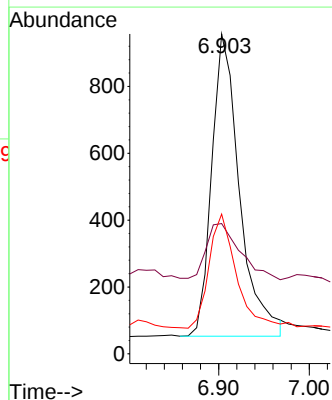
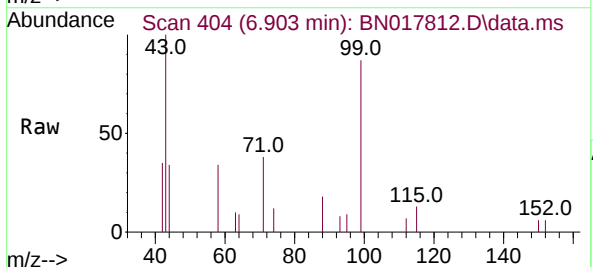
Instrument :
BNA_N
ClientSampleId :
P3-COMP

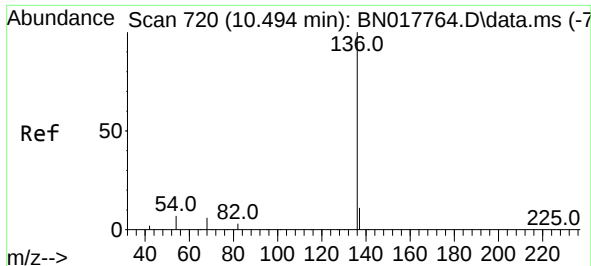
Tgt Ion:112 Resp: 2157
Ion Ratio Lower Upper
112 100
64 48.8 49.3 73.9#
63 12.7 25.8 38.8#



#5
Phenol-d6
Concen: 0.038 ng
RT: 6.903 min Scan# 404
Delta R.T. -0.000 min
Lab File: BN017812.D
Acq: 08 Dec 2021 22:37

Tgt Ion: 99 Resp: 1926
Ion Ratio Lower Upper
99 100
42 22.4 16.6 25.0
71 36.6 29.0 43.4

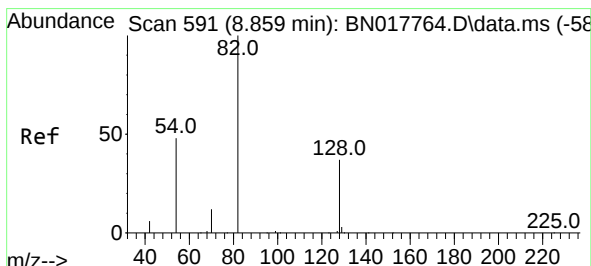
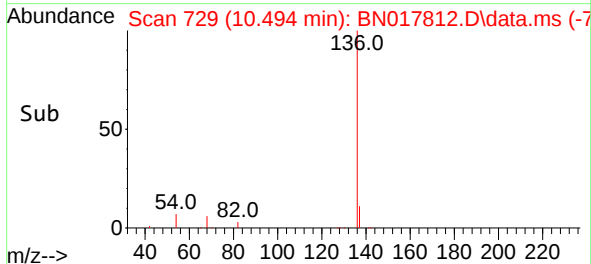
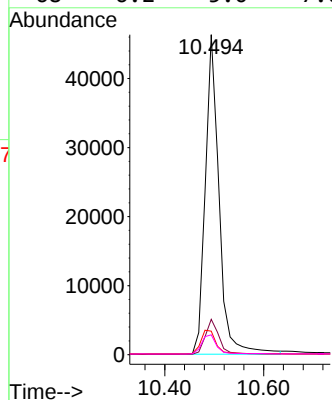
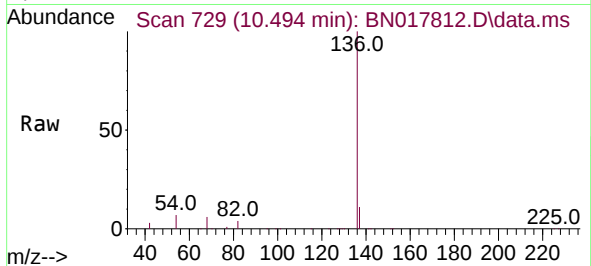




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.494 min Scan# 71
Delta R.T. -0.000 min
Lab File: BN017812.D
Acq: 08 Dec 2021 22:37

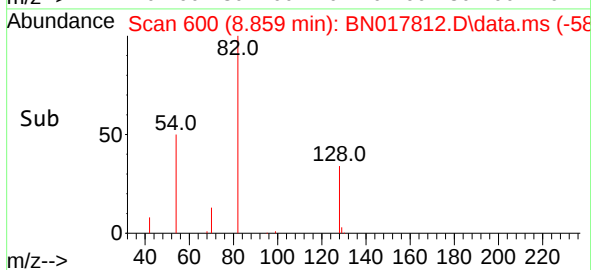
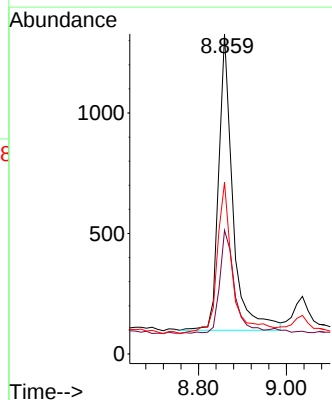
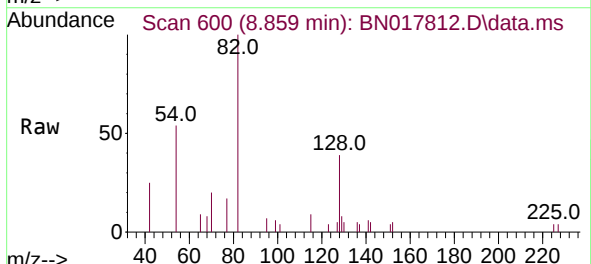
Instrument :
BNA_N
ClientSampleId :
P3-COMP

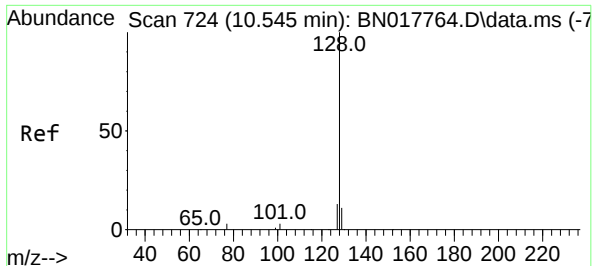
Tgt Ion:136 Resp: 89794
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 7.3 5.9 8.9
68 6.2 5.0 7.6



#8
Nitrobenzene-d5
Concen: 0.046 ng
RT: 8.859 min Scan# 600
Delta R.T. -0.000 min
Lab File: BN017812.D
Acq: 08 Dec 2021 22:37

Tgt Ion: 82 Resp: 2753
Ion Ratio Lower Upper
82 100
128 38.6 30.2 45.2
54 53.6 39.0 58.6

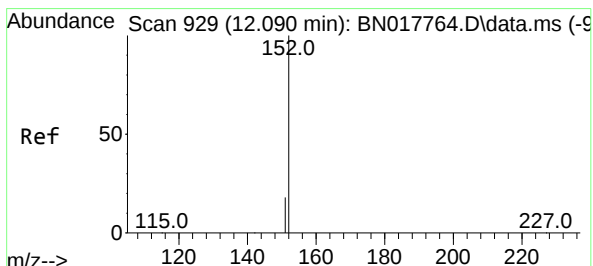
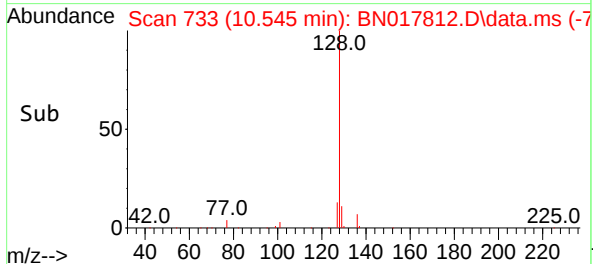
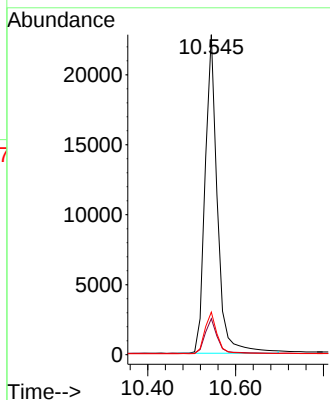
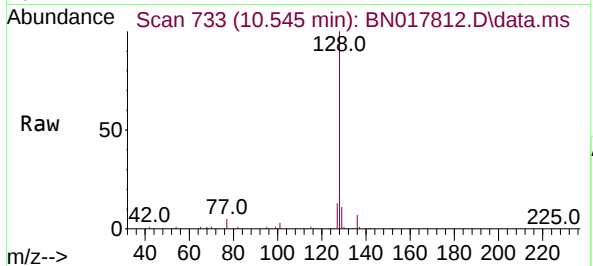




#9
Naphthalene
Concen: 0.187 ng
RT: 10.545 min Scan# 71
Delta R.T. -0.000 min
Lab File: BN017812.D
Acq: 08 Dec 2021 22:37

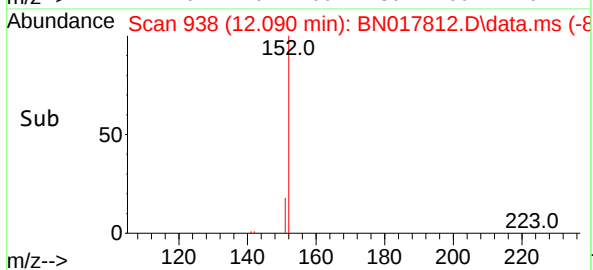
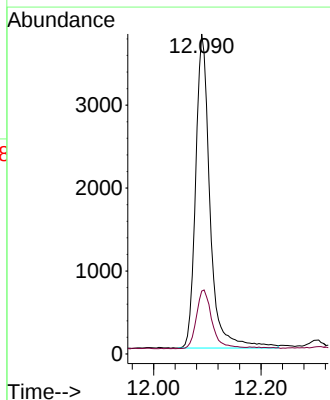
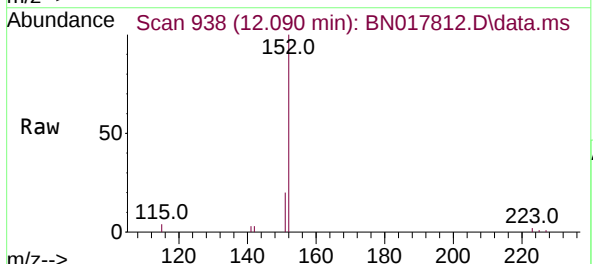
Instrument :
BNA_N
ClientSampleId :
P3-COMP

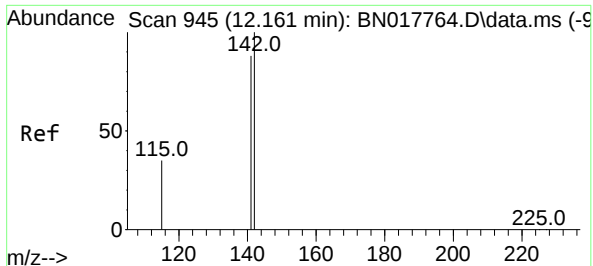
Tgt Ion:128 Resp: 44069
Ion Ratio Lower Upper
128 100
129 11.3 8.8 13.2
127 13.3 10.6 15.8



#11
2-Methylnaphthalene-d10
Concen: 0.039 ng
RT: 12.090 min Scan# 938
Delta R.T. -0.000 min
Lab File: BN017812.D
Acq: 08 Dec 2021 22:37

Tgt Ion:152 Resp: 7061
Ion Ratio Lower Upper
152 100
151 20.3 16.4 24.6





#12

2-Methylnaphthalene

Concen: 0.166 ng

RT: 12.165 min Scan# 91

Delta R.T. 0.004 min

Lab File: BN017812.D

Acq: 08 Dec 2021 22:37

Instrument :

BNA_N

ClientSampleId :

P3-COMP

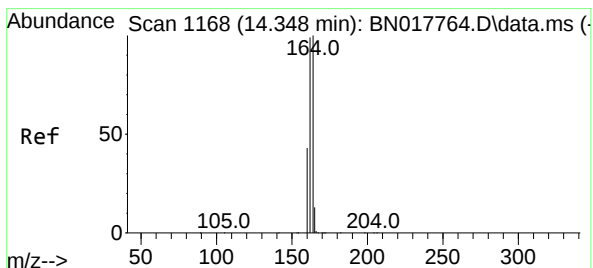
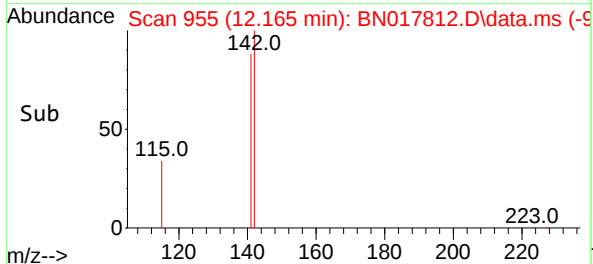
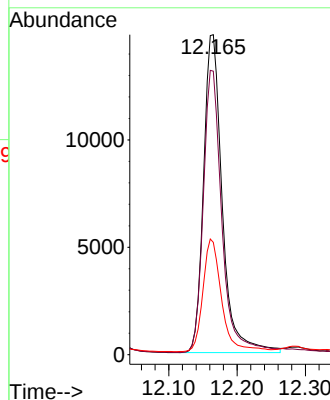
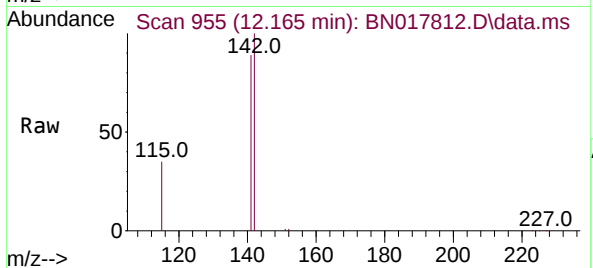
Tgt Ion:142 Resp: 28201

Ion Ratio Lower Upper

142 100

141 88.6 70.5 105.7

115 35.1 28.0 42.0



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.347 min Scan# 1177

Delta R.T. -0.000 min

Lab File: BN017812.D

Acq: 08 Dec 2021 22:37

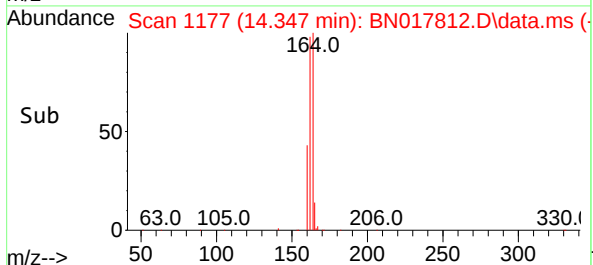
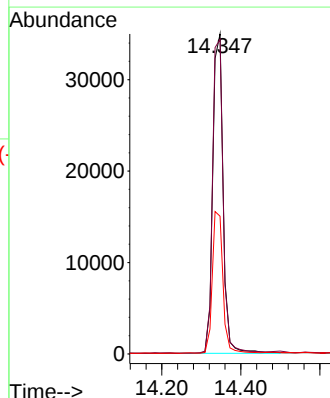
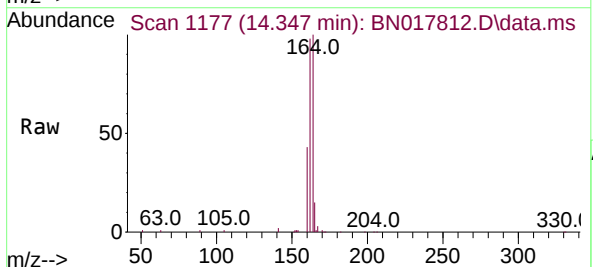
Tgt Ion:164 Resp: 63713

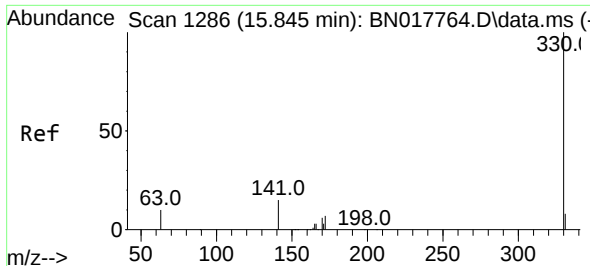
Ion Ratio Lower Upper

164 100

162 98.3 79.0 118.6

160 43.1 34.6 52.0

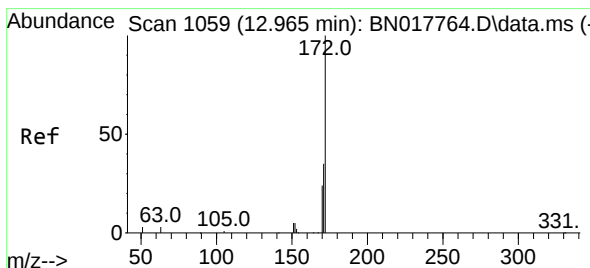
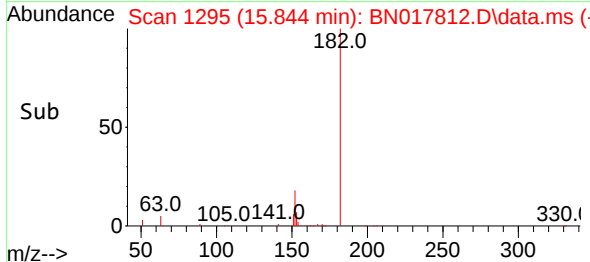
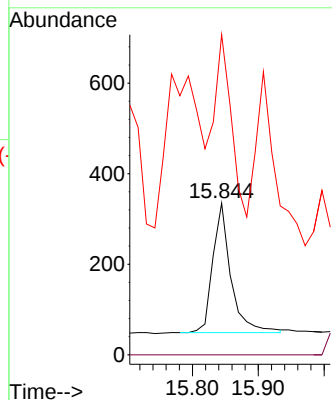
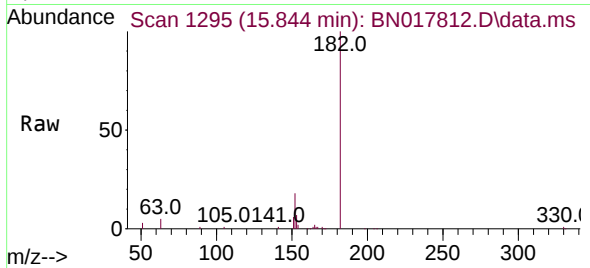




#14
2,4,6-Tribromophenol
Concen: 0.016 ng
RT: 15.844 min Scan# 1286
Delta R.T. -0.000 min
Lab File: BN017812.D
Acq: 08 Dec 2021 22:37

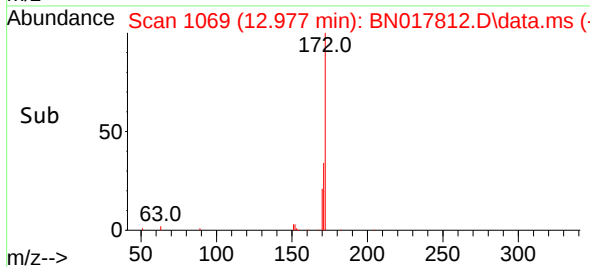
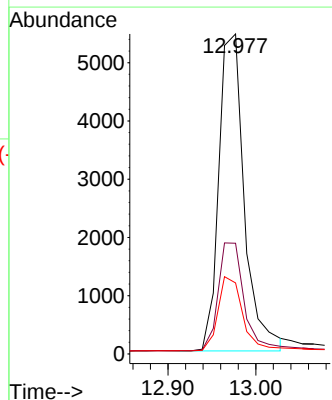
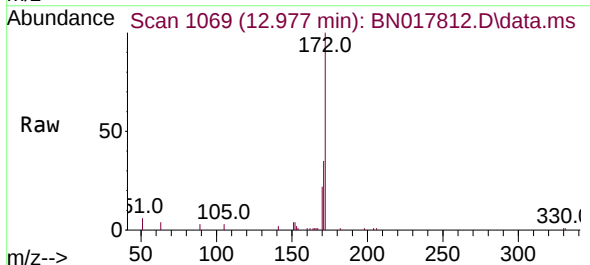
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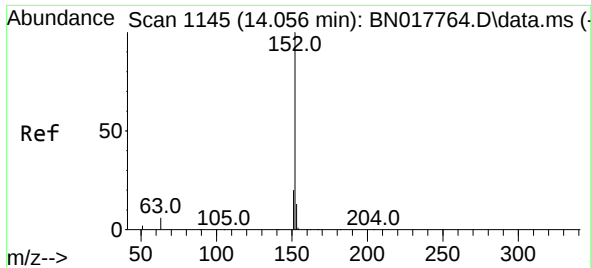
Tgt Ion:330 Resp: 544
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 129.2 21.5 32.3#



#15
2-Fluorobiphenyl
Concen: 0.047 ng
RT: 12.977 min Scan# 1069
Delta R.T. 0.012 min
Lab File: BN017812.D
Acq: 08 Dec 2021 22:37

Tgt Ion:172 Resp: 11026
Ion Ratio Lower Upper
172 100
171 34.6 28.1 42.1
170 22.2 18.9 28.3

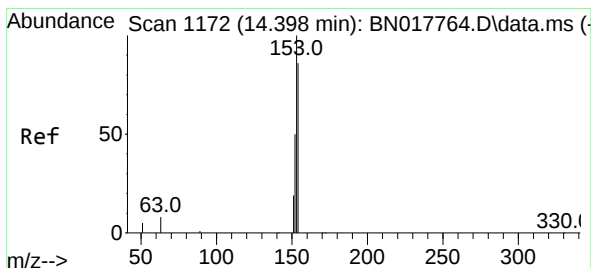
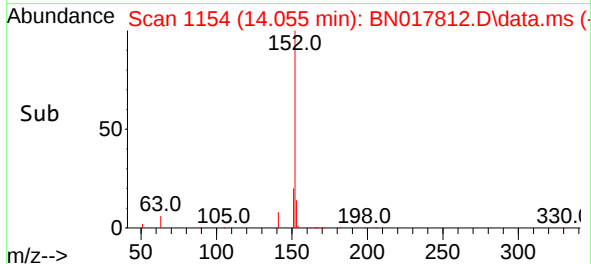
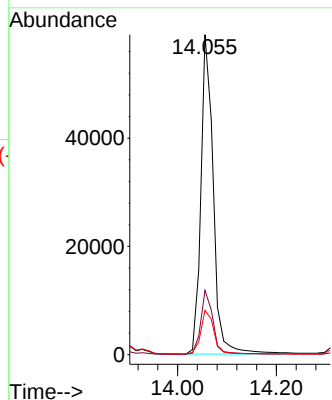
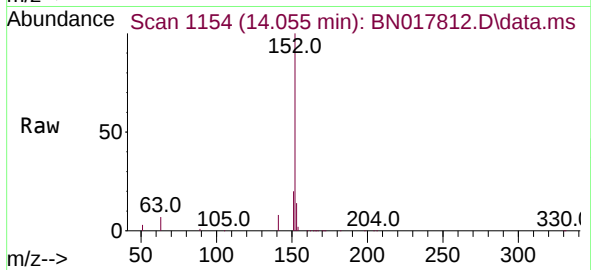




#16
Acenaphthylene
Concen: 0.412 ng
RT: 14.055 min Scan# 1145
Delta R.T. -0.000 min
Lab File: BN017812.D
Acq: 08 Dec 2021 22:37

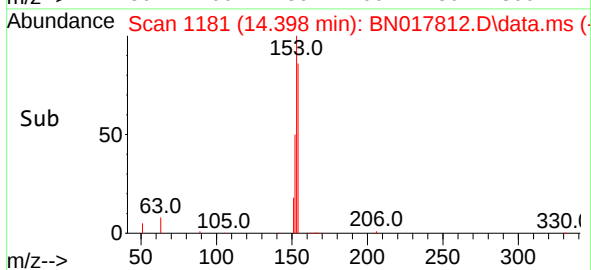
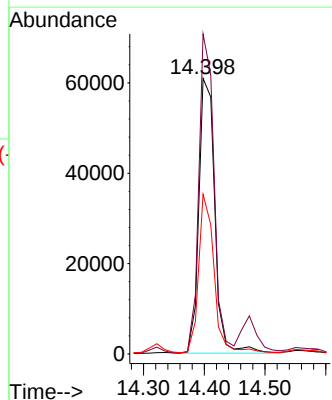
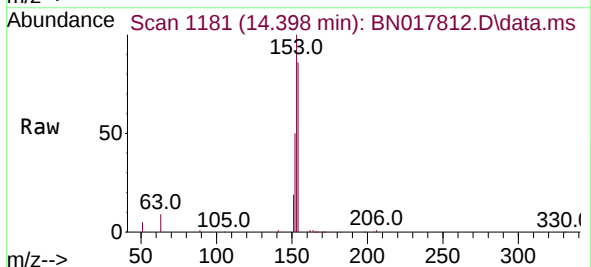
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P3-COMP

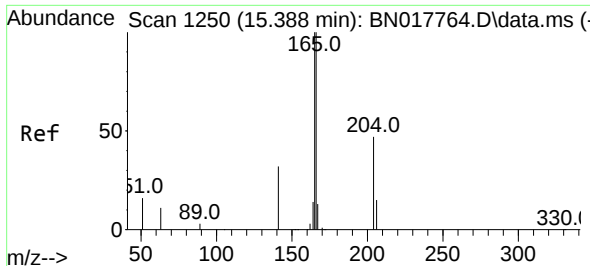
Tgt Ion:152 Resp: 103007
Ion Ratio Lower Upper
152 100
151 19.7 15.7 23.5
153 14.5 10.4 15.6



#17
Acenaphthene
Concen: 0.667 ng
RT: 14.398 min Scan# 1181
Delta R.T. -0.000 min
Lab File: BN017812.D
Acq: 08 Dec 2021 22:37

Tgt Ion:154 Resp: 111255
Ion Ratio Lower Upper
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153 110.6 90.1 135.1
152 55.3 43.7 65.5

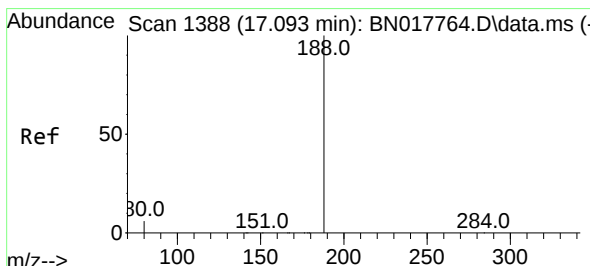
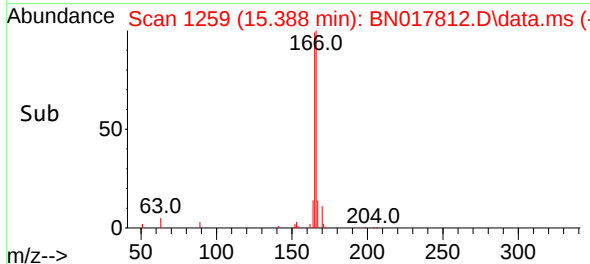
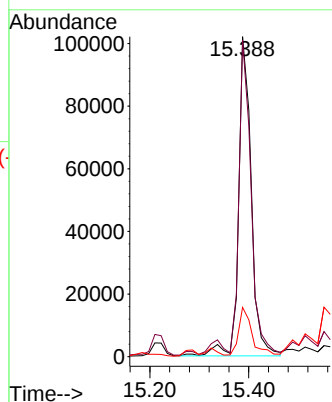
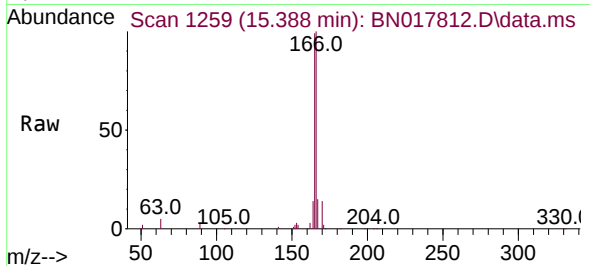




#18
Fluorene
Concen: 0.852 ng
RT: 15.388 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN017812.D
Acq: 08 Dec 2021 22:37

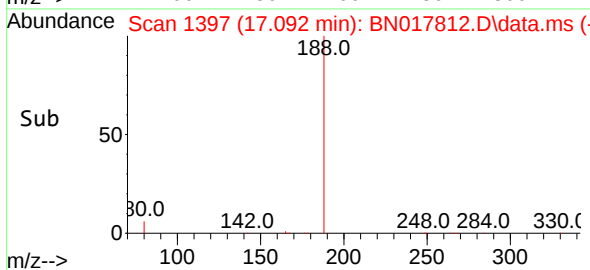
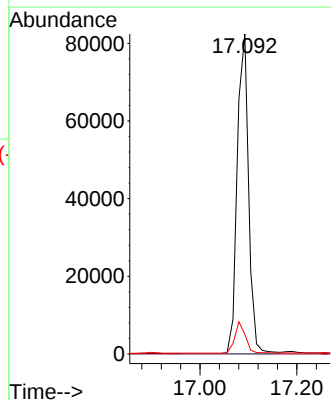
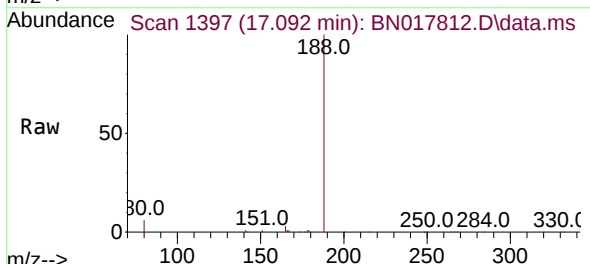
Instrument :
BNA_N
ClientSampleId :
P3-COMP

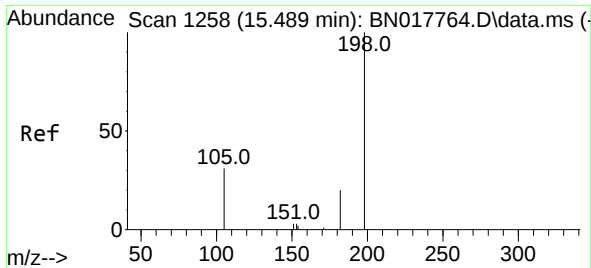
Tgt Ion:166 Resp: 181541
Ion Ratio Lower Upper
166 100
165 100.3 77.8 116.8
167 15.3 11.0 16.4



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.092 min Scan# 1397
Delta R.T. -0.000 min
Lab File: BN017812.D
Acq: 08 Dec 2021 22:37

Tgt Ion:188 Resp: 133451
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 6.2 5.1 7.7





#20

4,6-Dinitro-2-methylphenol

Concen: 0.089 ng

RT: 15.451 min Scan# 11

Delta R.T. -0.038 min

Lab File: BN017812.D

Acq: 08 Dec 2021 22:37

Instrument :

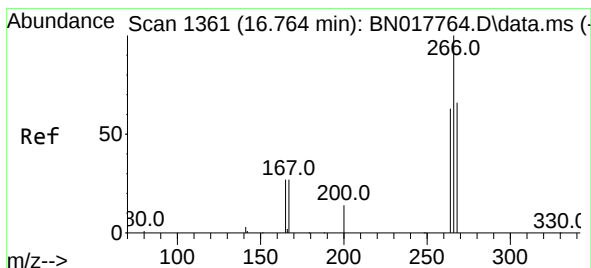
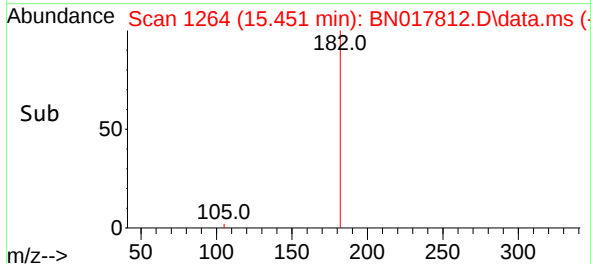
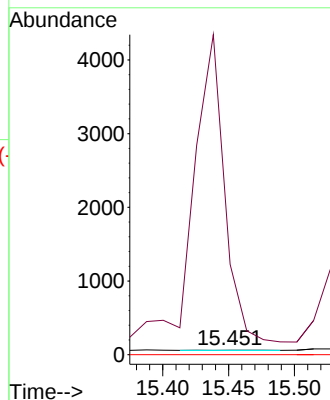
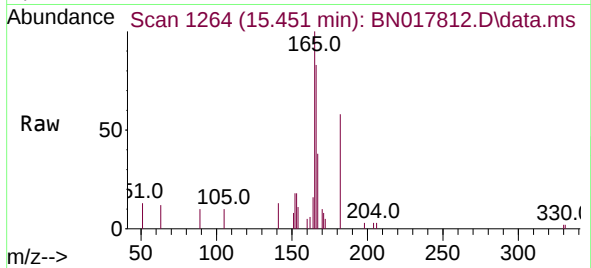
BNA_N

ClientSampleId :

P3-COMP

Tgt Ion:198 Resp: 12

Ion	Ratio	Lower	Upper
198	100		
182	1979.0	44.2	66.2#
77	0.0	0.0	0.0



#24

Pentachlorophenol

Concen: 0.281 ng

RT: 16.788 min Scan# 1372

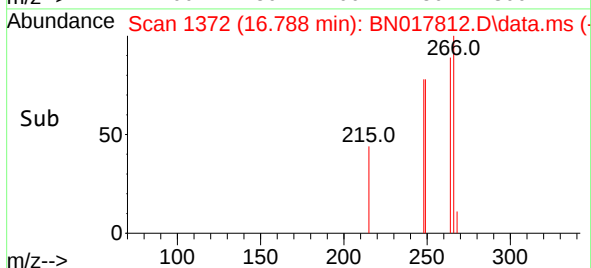
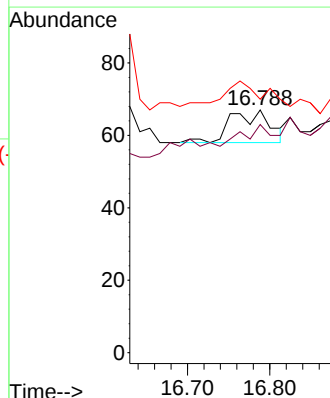
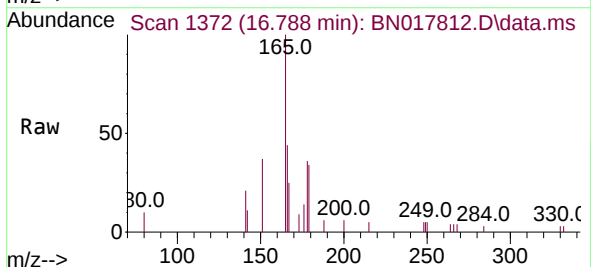
Delta R.T. 0.024 min

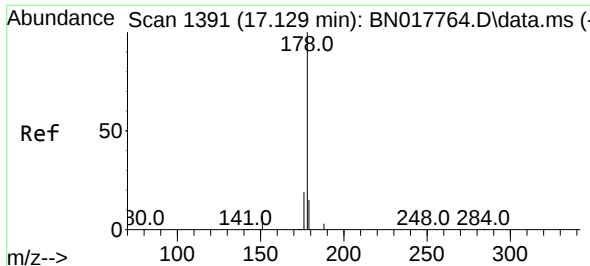
Lab File: BN017812.D

Acq: 08 Dec 2021 22:37

Tgt Ion:266 Resp: 30

Ion	Ratio	Lower	Upper
266	100		
264	40.0	50.8	76.2#
268	0.0	51.8	77.6#

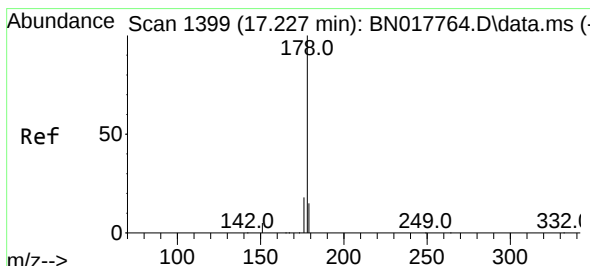
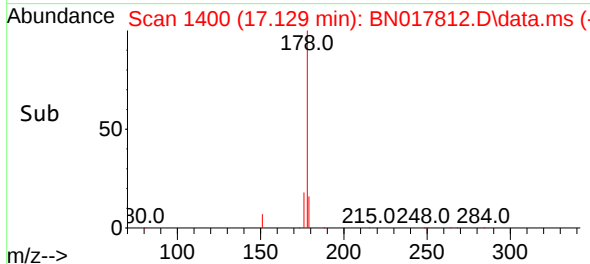
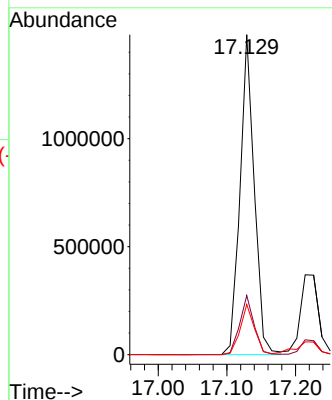
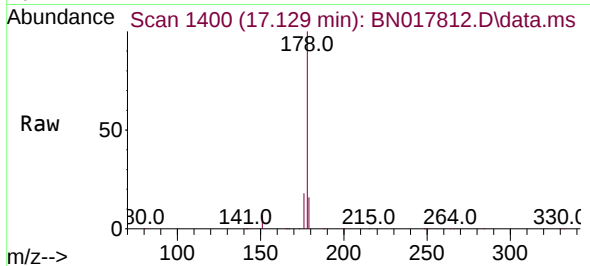




#25
Phenanthrene
Concen: 6.120 ng
RT: 17.129 min Scan# 1400
Delta R.T. -0.000 min
Lab File: BN017812.D
Acq: 08 Dec 2021 22:37

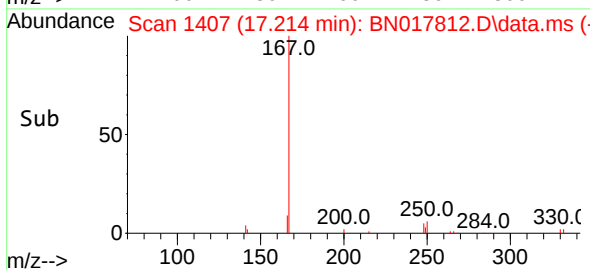
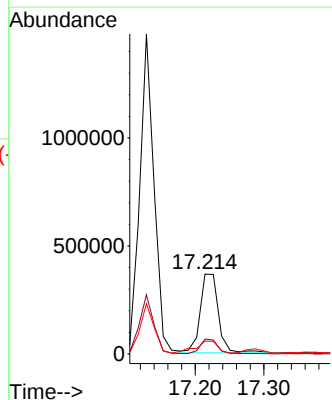
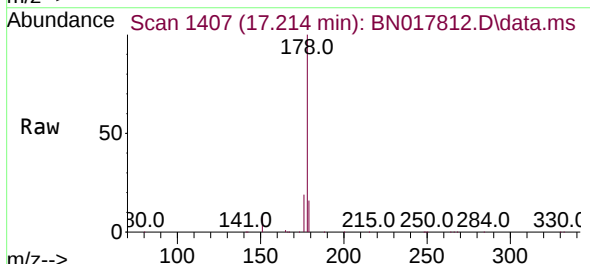
Instrument :
BNA_N
ClientSampleId :
P3-COMP

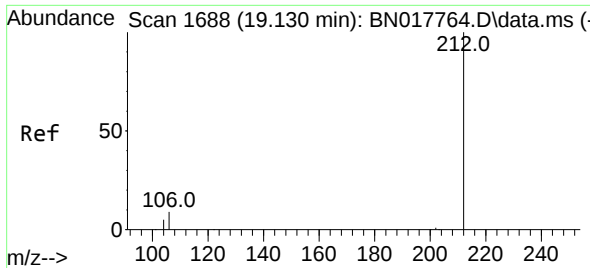
Tgt Ion:178 Resp: 2145637
Ion Ratio Lower Upper
178 100
176 18.5 15.0 22.6
179 15.7 12.5 18.7



#26
Anthracene
Concen: 2.200 ng
RT: 17.214 min Scan# 1407
Delta R.T. -0.012 min
Lab File: BN017812.D
Acq: 08 Dec 2021 22:37

Tgt Ion:178 Resp: 678318
Ion Ratio Lower Upper
178 100
176 17.8 14.5 21.7
179 18.3 12.2 18.4

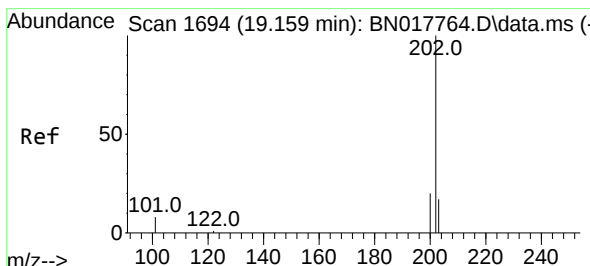
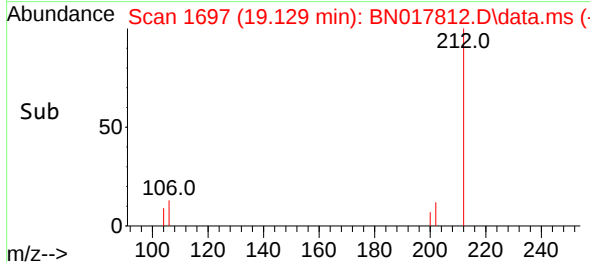
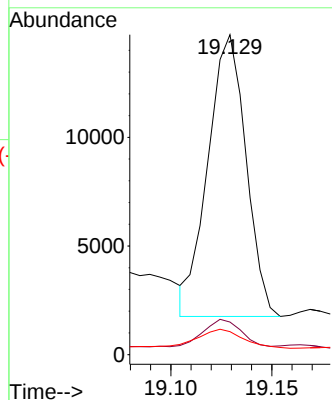
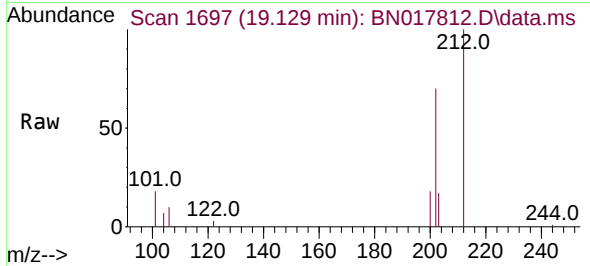




#27
Fluoranthene-d10
Concen: 0.038 ng
RT: 19.129 min Scan# 1703
Delta R.T. -0.000 min
Lab File: BN017812.D
Acq: 08 Dec 2021 22:37

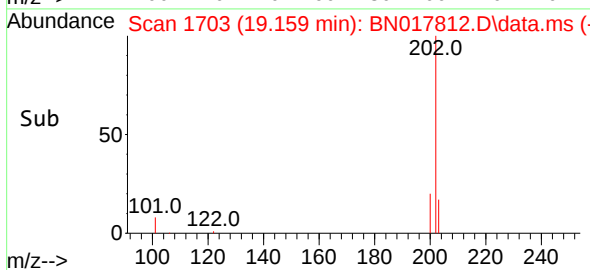
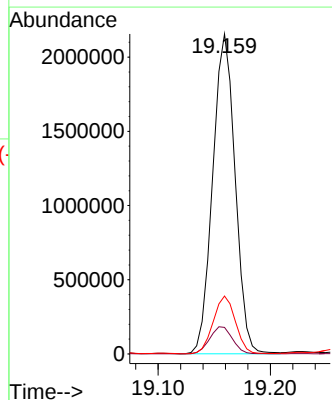
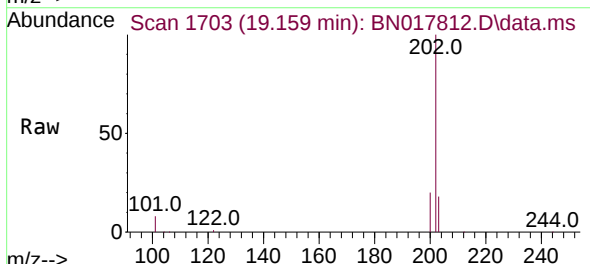
Instrument :
BNA_N
ClientSampleId :
P3-COMP

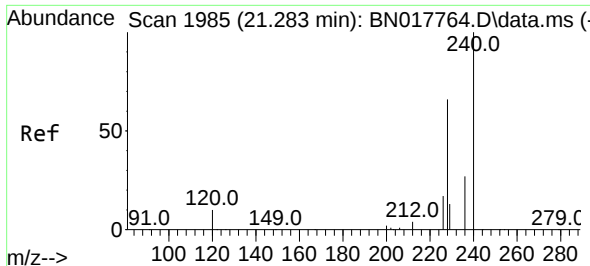
Tgt Ion:212 Resp: 16988
Ion Ratio Lower Upper
212 100
106 10.1 8.2 12.2
104 8.8 4.6 6.8#



#28
Fluoranthene
Concen: 7.013 ng
RT: 19.159 min Scan# 1703
Delta R.T. -0.000 min
Lab File: BN017812.D
Acq: 08 Dec 2021 22:37

Tgt Ion:202 Resp: 2992466
Ion Ratio Lower Upper
202 100
101 8.6 7.2 10.8
203 17.9 13.7 20.5

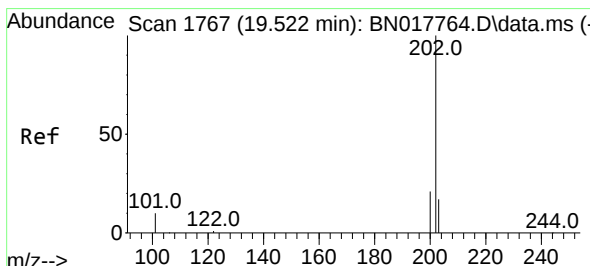
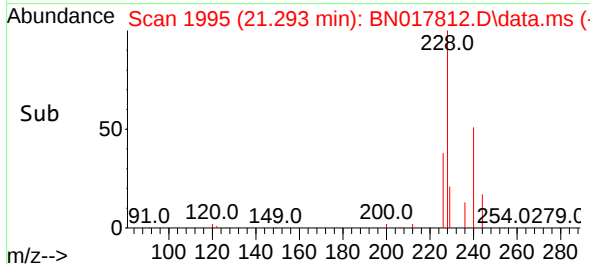
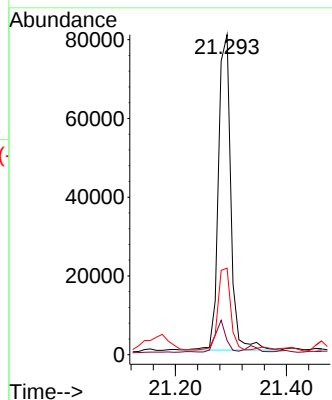
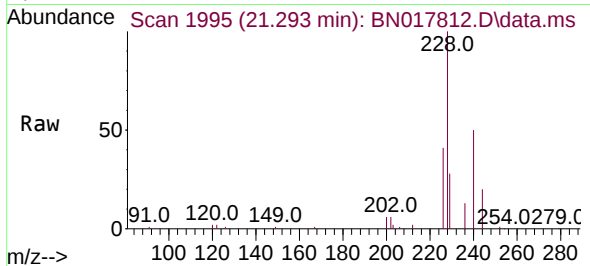




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.293 min Scan# 1985
Delta R.T. 0.010 min
Lab File: BN017812.D
Acq: 08 Dec 2021 22:37

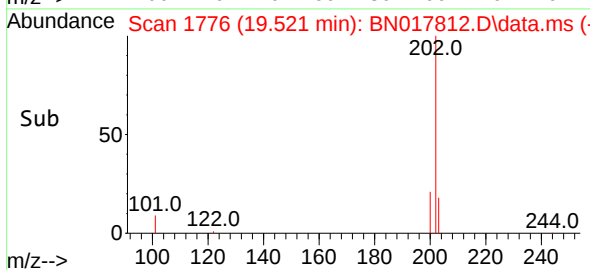
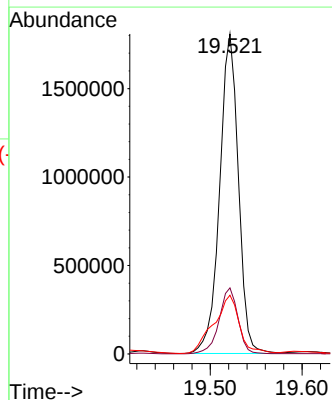
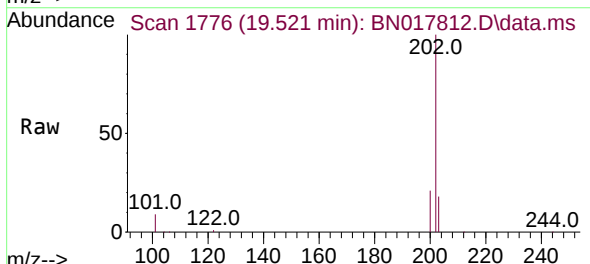
Instrument :
BNA_N
ClientSampleId :
P3-COMP

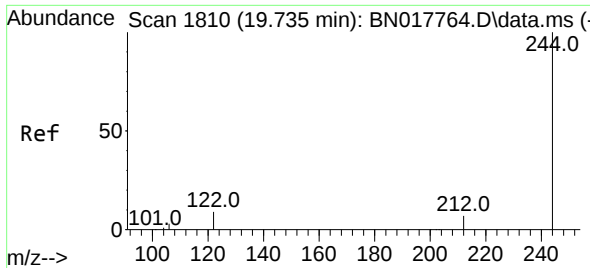
Tgt Ion:240 Resp: 123381
Ion Ratio Lower Upper
240 100
120 4.4 7.9 11.9#
236 27.1 21.4 32.2



#30
Pyrene
Concen: 6.573 ng
RT: 19.521 min Scan# 1776
Delta R.T. -0.000 min
Lab File: BN017812.D
Acq: 08 Dec 2021 22:37

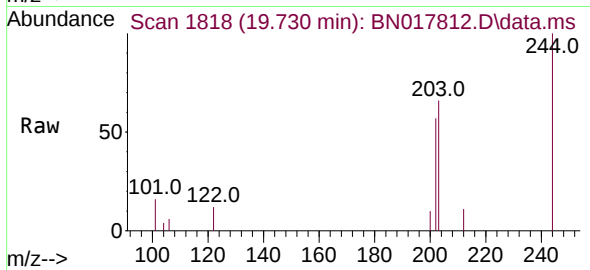
Tgt Ion:202 Resp: 2570979
Ion Ratio Lower Upper
202 100
200 20.8 16.5 24.7
203 24.6 14.0 21.0#



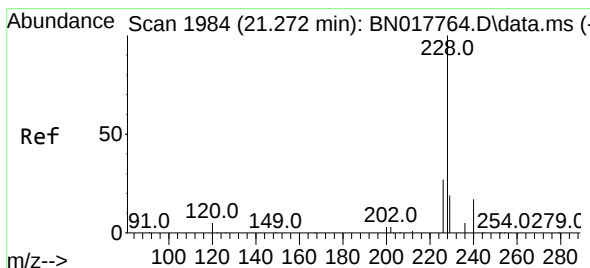
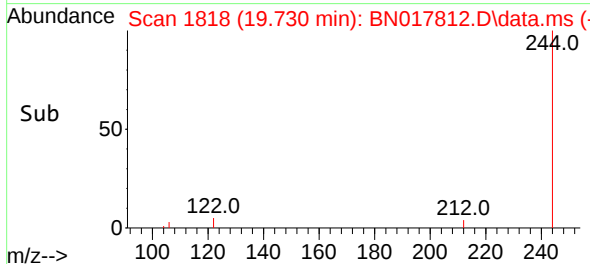
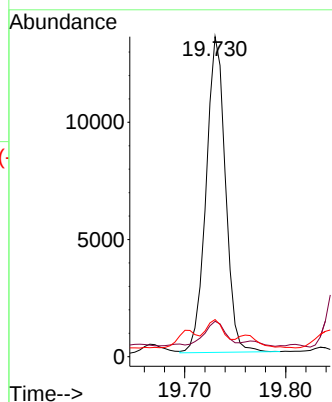


#31
 Terphenyl-d14
 Concen: 0.068 ng
 RT: 19.730 min Scan# 11
 Delta R.T. -0.005 min
 Lab File: BN017812.D
 Acq: 08 Dec 2021 22:37

Instrument :
 BNA_N
 ClientSampleId :
 P3-COMP

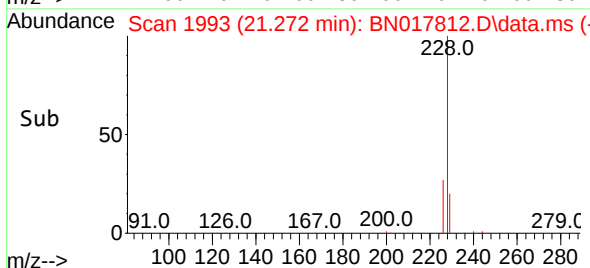
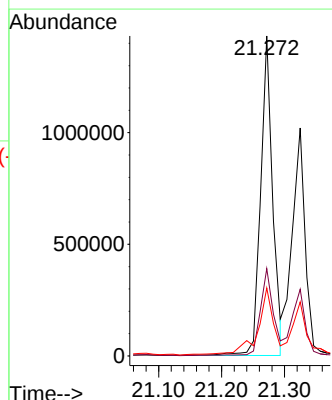
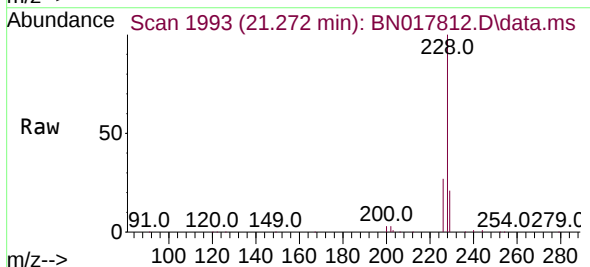


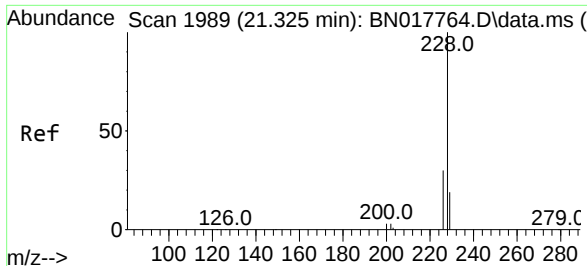
Tgt Ion:244 Resp: 17905
 Ion Ratio Lower Upper
 244 100
 212 11.1 5.8 8.8#
 122 11.6 7.1 10.7#



#32
 Benzo(a)anthracene
 Concen: 5.006 ng
 RT: 21.272 min Scan# 1993
 Delta R.T. -0.000 min
 Lab File: BN017812.D
 Acq: 08 Dec 2021 22:37

Tgt Ion:228 Resp: 1901526
 Ion Ratio Lower Upper
 228 100
 226 27.3 21.4 32.0
 229 21.2 15.7 23.5

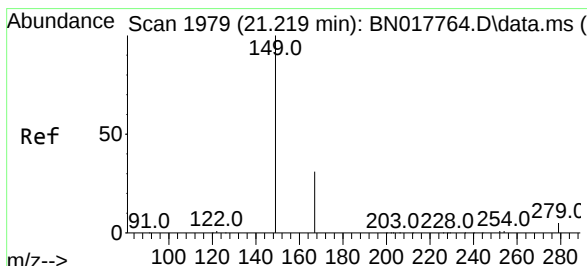
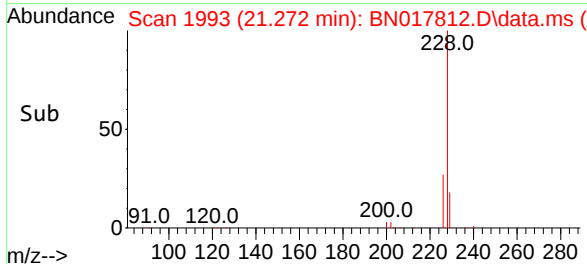
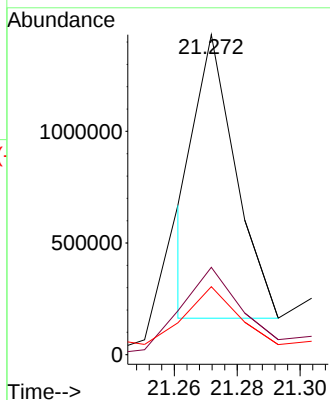
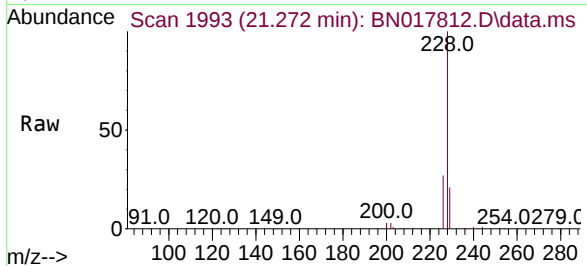




#33
Chrysene
Concen: 2.746 ng
RT: 21.272 min Scan# 1993
Delta R.T. -0.053 min
Lab File: BN017812.D
Acq: 08 Dec 2021 22:37

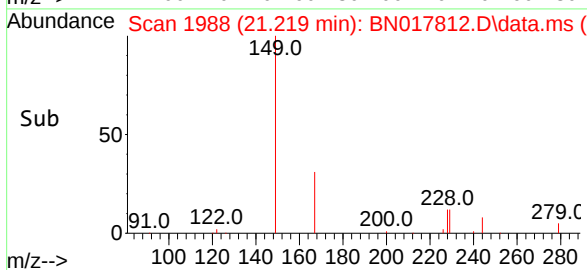
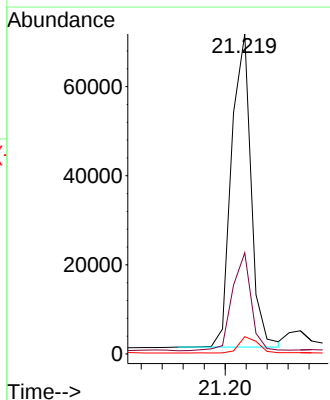
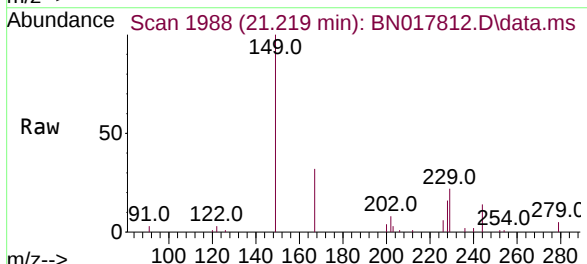
Instrument :
BNA_N
ClientSampleId :
P3-COMP

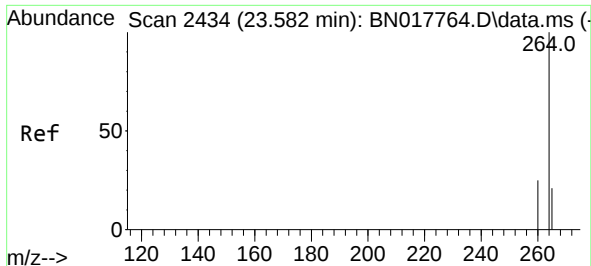
Tgt Ion:228 Resp: 1089320
Ion Ratio Lower Upper
228 100
226 27.3 23.6 35.4
229 21.2 15.6 23.4



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.526 ng
RT: 21.219 min Scan# 1988
Delta R.T. -0.000 min
Lab File: BN017812.D
Acq: 08 Dec 2021 22:37

Tgt Ion:149 Resp: 90436
Ion Ratio Lower Upper
149 100
167 30.4 23.5 35.3
279 5.2 3.8 5.6

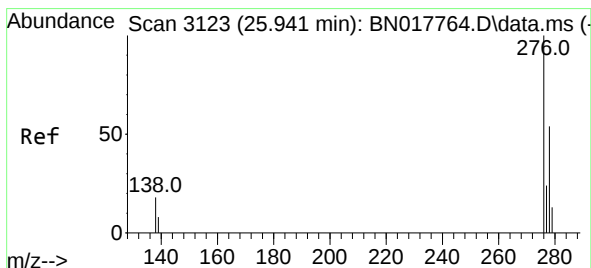
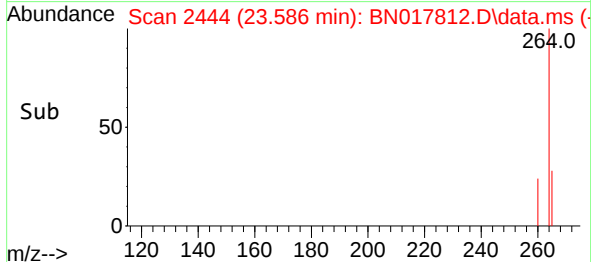
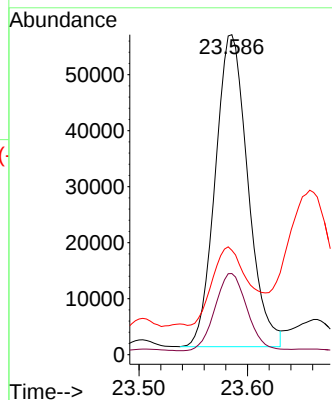
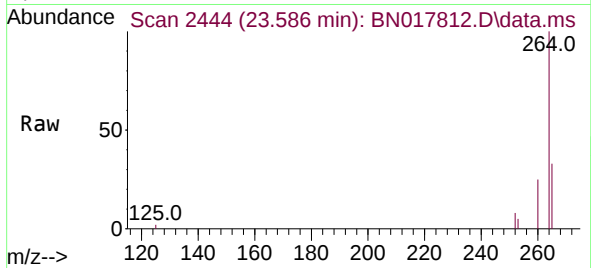




#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.586 min Scan# 2434
 Delta R.T. 0.003 min
 Lab File: BN017812.D
 Acq: 08 Dec 2021 22:37

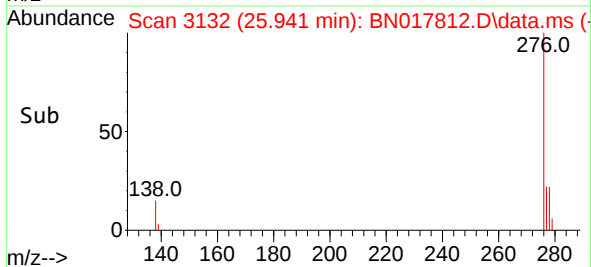
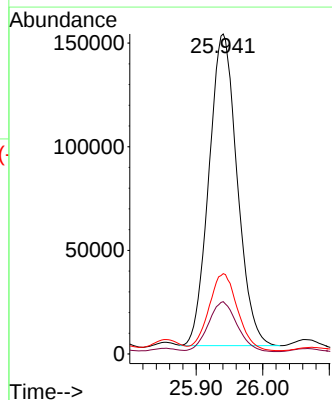
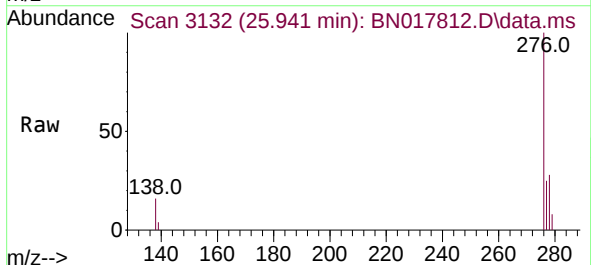
Instrument :
 BNA_N
 ClientSampleId :
 P3-COMP

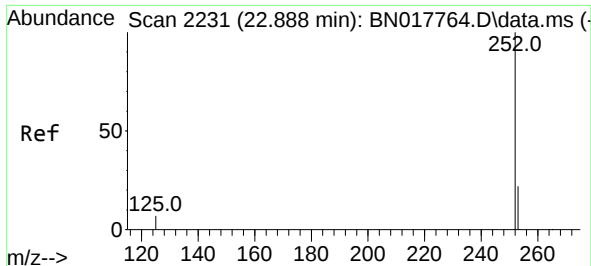
Tgt Ion:264 Resp: 116351
 Ion Ratio Lower Upper
 264 100
 260 25.3 20.0 30.0
 265 32.6 20.5 30.7#



#36
 Indeno(1,2,3-cd)pyrene
 Concen: 1.374 ng
 RT: 25.941 min Scan# 3132
 Delta R.T. -0.000 min
 Lab File: BN017812.D
 Acq: 08 Dec 2021 22:37

Tgt Ion:276 Resp: 443144
 Ion Ratio Lower Upper
 276 100
 138 16.3 15.0 22.4
 277 25.3 19.8 29.8

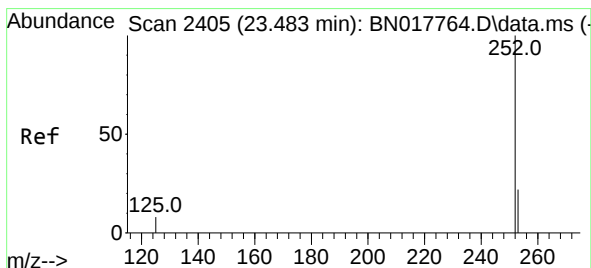
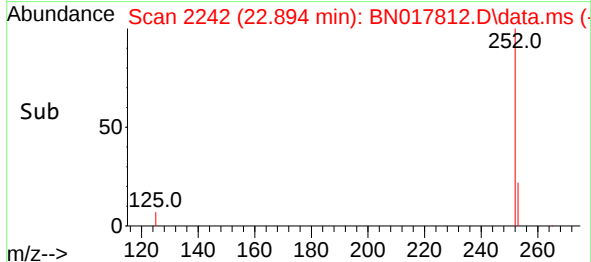
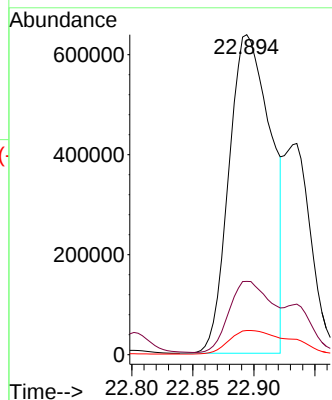
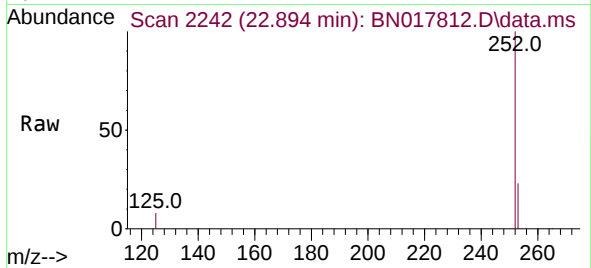




#37
Benzo(b)fluoranthene
Concen: 3.860 ng
RT: 22.894 min Scan# 211
Delta R.T. 0.007 min
Lab File: BN017812.D
Acq: 08 Dec 2021 22:37

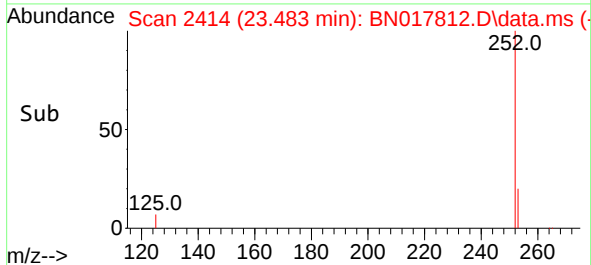
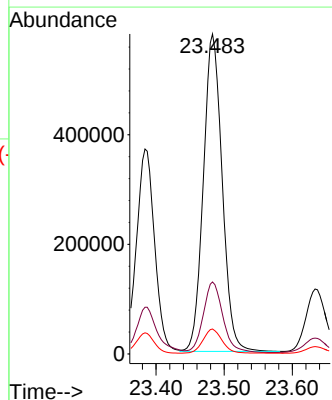
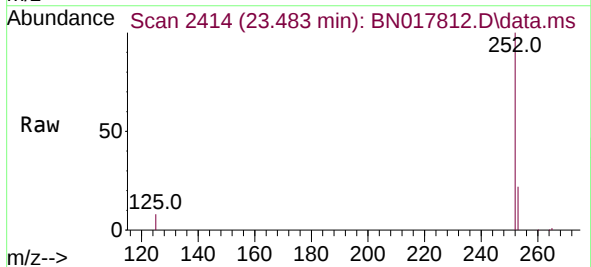
Instrument :
BNA_N
ClientSampleId :
P3-COMP

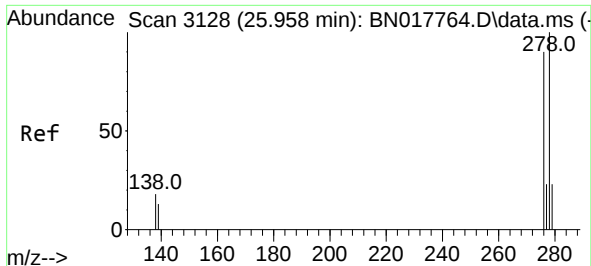
Tgt Ion:252 Resp: 1526367
Ion Ratio Lower Upper
252 100
253 22.9 17.7 26.5
125 7.5 6.2 9.2



#39
Benzo(a)pyrene
Concen: 3.123 ng
RT: 23.483 min Scan# 2414
Delta R.T. -0.000 min
Lab File: BN017812.D
Acq: 08 Dec 2021 22:37

Tgt Ion:252 Resp: 1109987
Ion Ratio Lower Upper
252 100
253 22.5 18.1 27.1
125 7.8 7.0 10.4

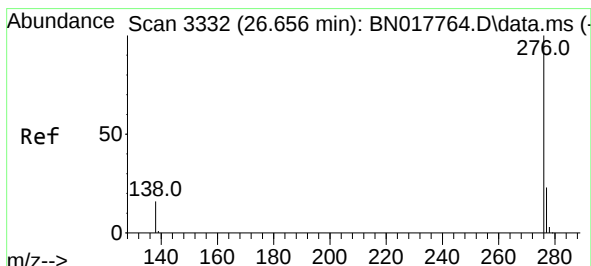
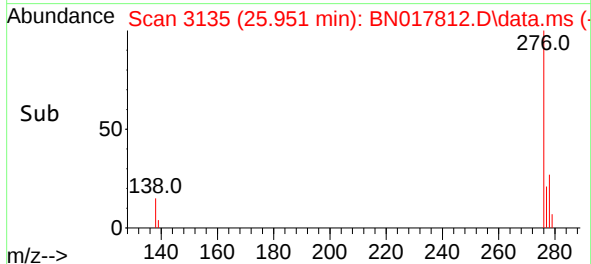
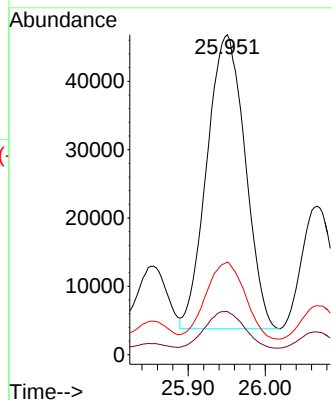
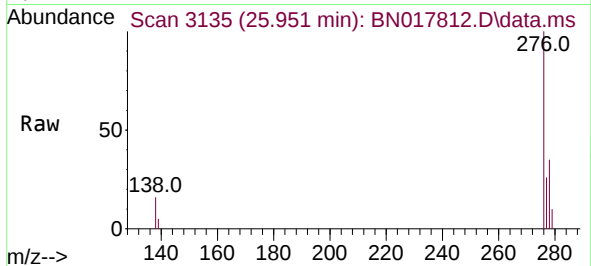




#40
Dibenzo(a,h)anthracene
Concen: 0.593 ng
RT: 25.951 min Scan# 3128
Delta R.T. -0.007 min
Lab File: BN017812.D
Acq: 08 Dec 2021 22:37

Instrument :
BNA_N
ClientSampleId :
P3-COMP

Tgt Ion:278 Resp: 148024
Ion Ratio Lower Upper
278 100
139 13.5 10.8 16.2
279 29.0 19.1 28.7#



#41
Benzo(g,h,i)perylene
Concen: 1.347 ng
RT: 26.663 min Scan# 3343
Delta R.T. 0.007 min
Lab File: BN017812.D
Acq: 08 Dec 2021 22:37

Tgt Ion:276 Resp: 361672
Ion Ratio Lower Upper
276 100
277 24.1 19.1 28.7
138 16.0 13.2 19.8

