

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120821\
 Data File : BN017808.D
 Acq On : 08 Dec 2021 20:13
 Operator : CG/JU
 Sample : M4699-14
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 P2-COMP

Quant Time: Dec 09 11:05:11 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)

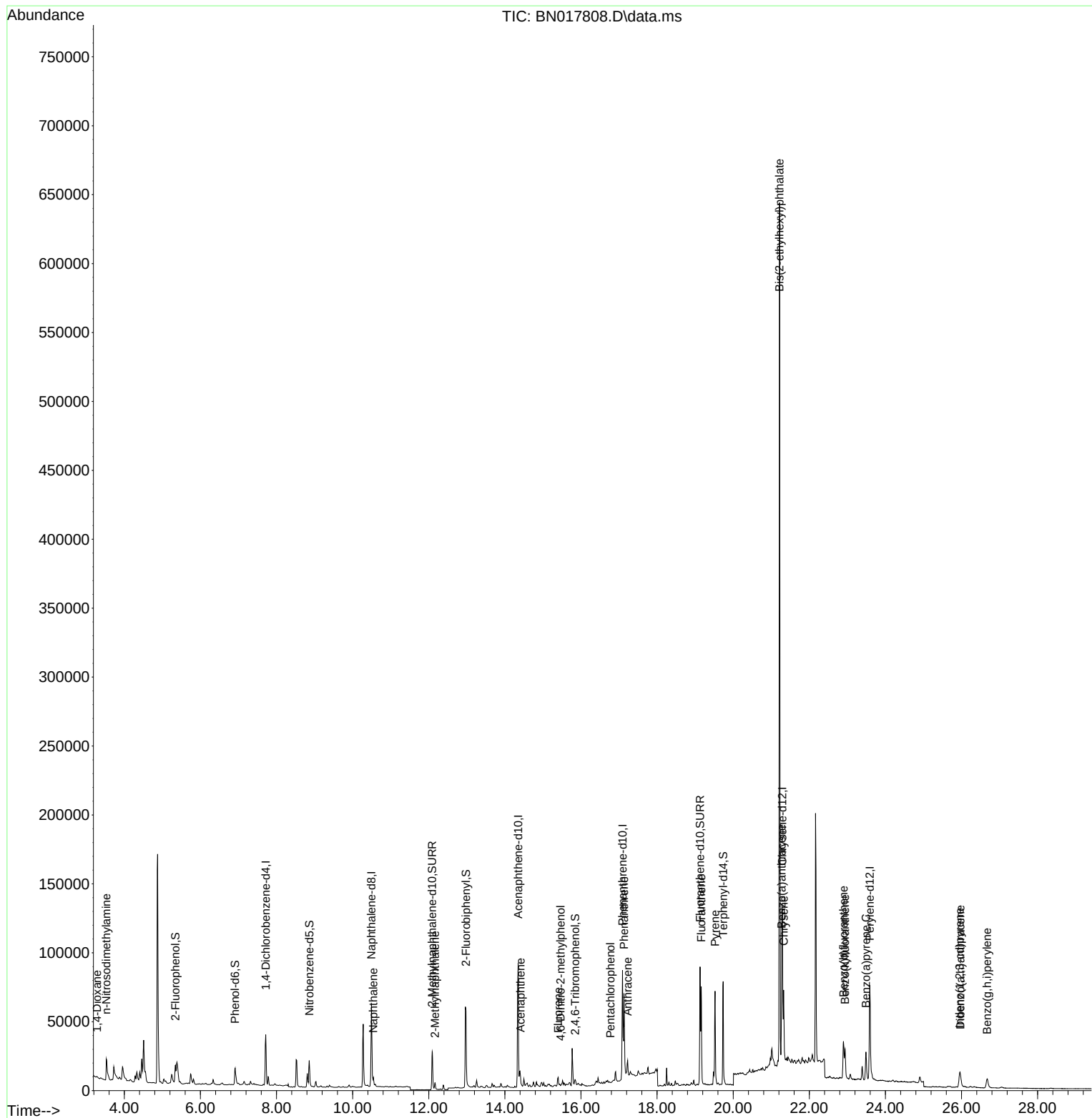
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.715	152	20915	0.400	ng	0.00
7) Naphthalene-d8	10.494	136	84501	0.400	ng	0.00
13) Acenaphthene-d10	14.347	164	60252	0.400	ng	0.00
19) Phenanthrene-d10	17.092	188	125251	0.400	ng	# 0.00
29) Chrysene-d12	21.293	240	110798	0.400	ng	# 0.01
35) Perylene-d12	23.589	264	102638	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.345	112	13273	0.263	ng	0.02
5) Phenol-d6	6.912	99	12331	0.258	ng	0.00
8) Nitrobenzene-d5	8.859	82	18331	0.326	ng	0.00
11) 2-Methylnaphthalene-d10	12.090	152	43389	0.257	ng	0.00
14) 2,4,6-Tribromophenol	15.844	330	2620	0.083	ng	0.00
15) 2-Fluorobiphenyl	12.977	172	65641	0.298	ng	0.01
27) Fluoranthene-d10	19.129	212	105790	0.253	ng	0.00
31) Terphenyl-d14	19.735	244	87255	0.367	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.280	88	247	0.032	ng	# 100
3) n-Nitrosodimethylamine	3.528	42	4153	0.192	ng	# 1
9) Naphthalene	10.545	128	6832	0.031	ng	# 95
12) 2-Methylnaphthalene	12.165	142	3777	0.024	ng	97
17) Acenaphthene	14.411	154	3612	0.023	ng	96
18) Fluorene	15.400	166	4934	0.024	ng	# 92
20) 4,6-Dinitro-2-methylph...	15.464	198	5	0.084	ng	# 1
24) Pentachlorophenol	16.776	266	28	0.281	ng	# 18
25) Phenanthrene	17.129	178	69136	0.210	ng	97
26) Anthracene	17.226	178	11189	0.039	ng	# 96
28) Fluoranthene	19.159	202	65917	0.165	ng	99
30) Pyrene	19.521	202	66153	0.188	ng	# 93
32) Benzo(a)anthracene	21.272	228	50761	0.149	ng	95
33) Chrysene	21.325	228	44087	0.124	ng	96
34) Bis(2-ethylhexyl)phtha...	21.219	149	523632	3.388	ng	98
36) Indeno(1,2,3-cd)pyrene	25.951	276	19359	0.068	ng	96
37) Benzo(b)fluoranthene	22.898	252	44183	0.127	ng	# 76
38) Benzo(k)fluoranthene	22.939	252	27999	0.085	ng	# 71
39) Benzo(a)pyrene	23.486	252	32784	0.105	ng	# 76
40) Dibenzo(a,h)anthracene	25.968	278	10881	0.049	ng	# 65
41) Benzo(g,h,i)perylene	26.673	276	17612	0.074	ng	# 90

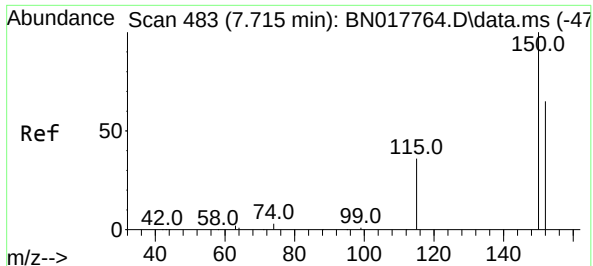
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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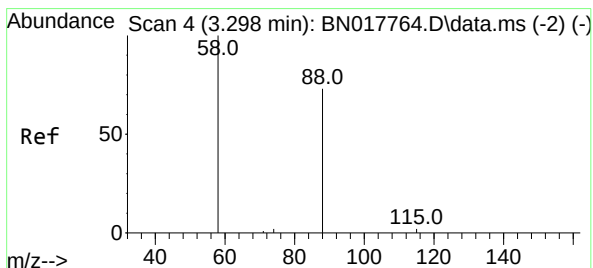
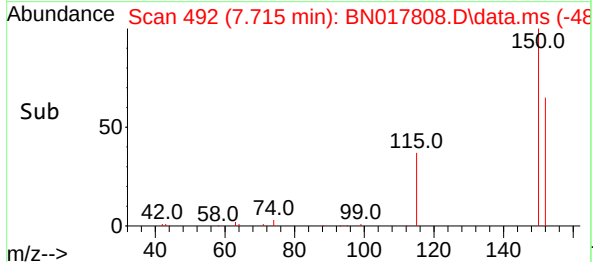
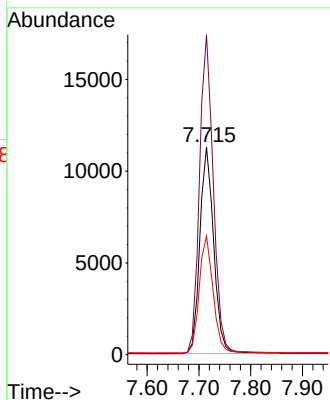
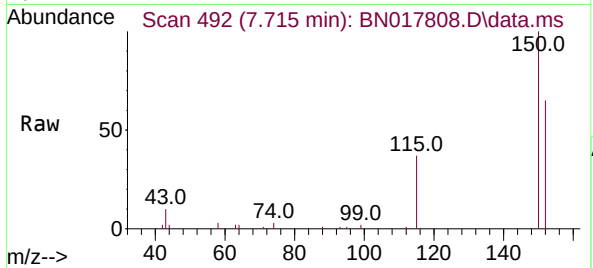




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.715 min Scan# 483
 Delta R.T. -0.000 min
 Lab File: BN017808.D
 Acq: 08 Dec 2021 20:13

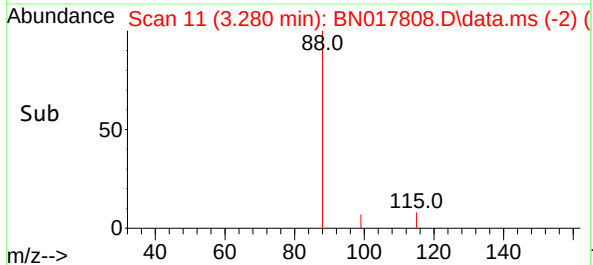
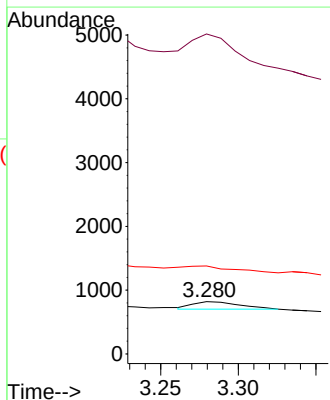
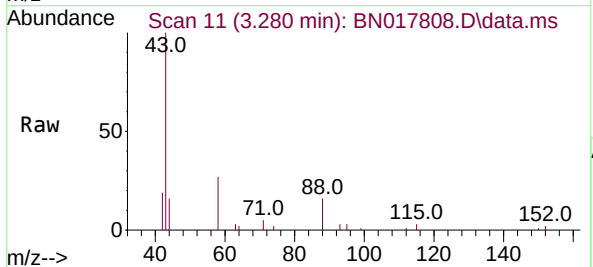
Instrument :
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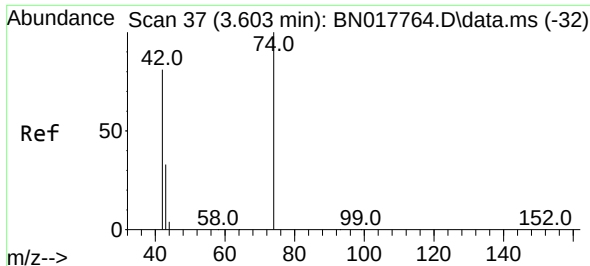
Tgt Ion:152 Resp: 20915
 Ion Ratio Lower Upper
 152 100
 150 154.1 123.0 184.4
 115 57.2 45.3 67.9



#2
 1,4-Dioxane
 Concen: 0.032 ng
 RT: 3.280 min Scan# 11
 Delta R.T. -0.019 min
 Lab File: BN017808.D
 Acq: 08 Dec 2021 20:13

Tgt Ion: 88 Resp: 247
 Ion Ratio Lower Upper
 88 100
 43 482.6 0.0 0.0#
 58 0.0 0.0 0.0

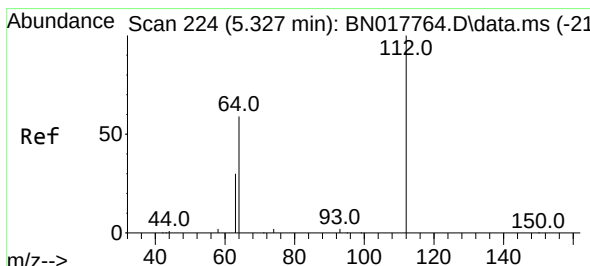
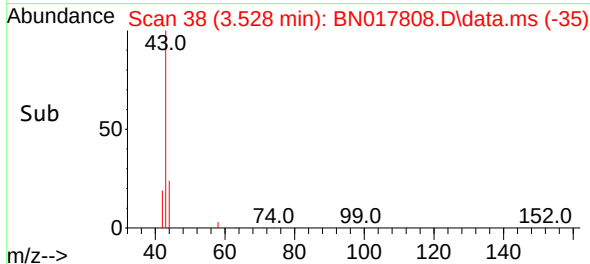
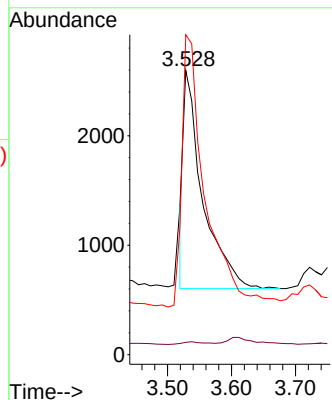
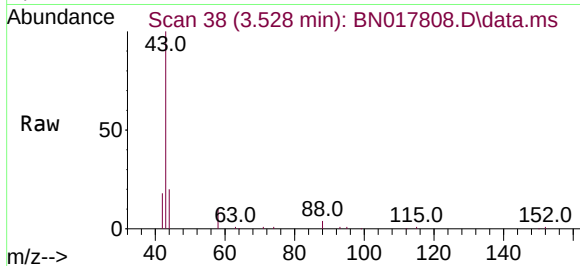




#3
n-Nitrosodimethylamine
Concen: 0.192 ng
RT: 3.528 min Scan# 31
Delta R.T. -0.074 min
Lab File: BN017808.D
Acq: 08 Dec 2021 20:13

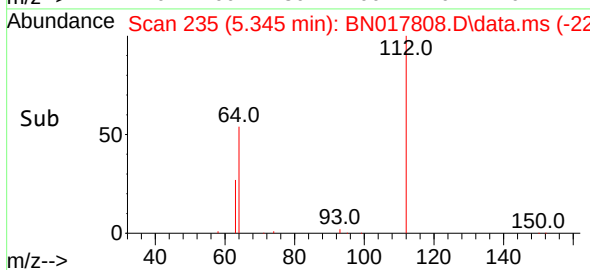
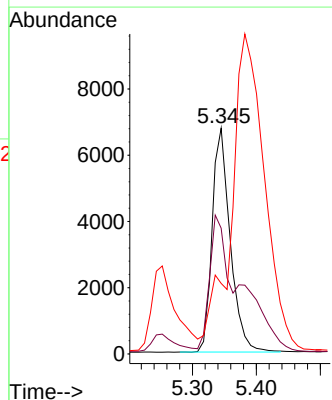
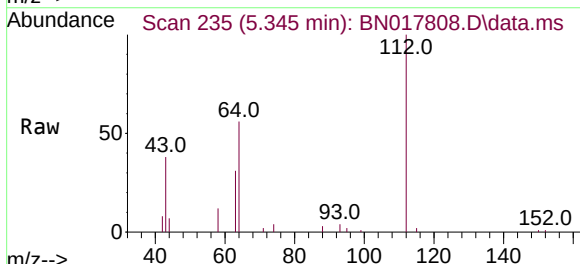
Instrument :
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ClientSampleId :
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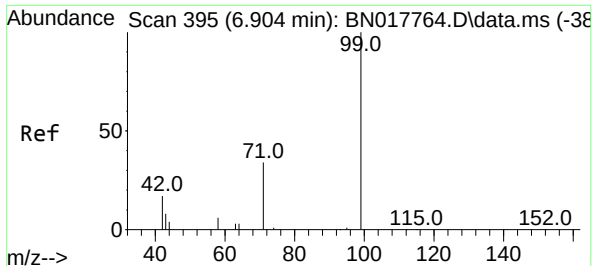
Tgt Ion: 42 Resp: 4153
Ion Ratio Lower Upper
42 100
74 0.7 101.3 151.9#
44 130.8 5.0 7.4#



#4
2-Fluorophenol
Concen: 0.263 ng
RT: 5.345 min Scan# 235
Delta R.T. 0.018 min
Lab File: BN017808.D
Acq: 08 Dec 2021 20:13

Tgt Ion: 112 Resp: 13273
Ion Ratio Lower Upper
112 100
64 97.3 49.3 73.9#
63 0.0 25.8 38.8#

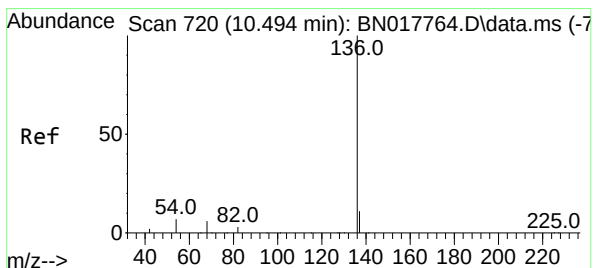
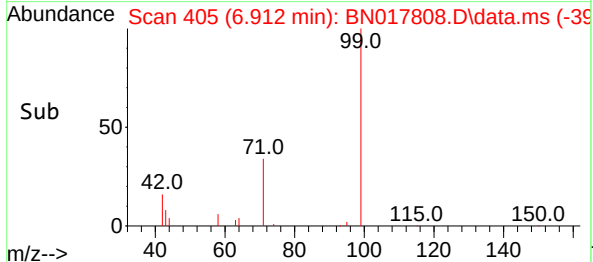
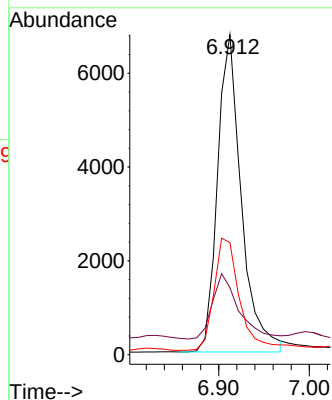
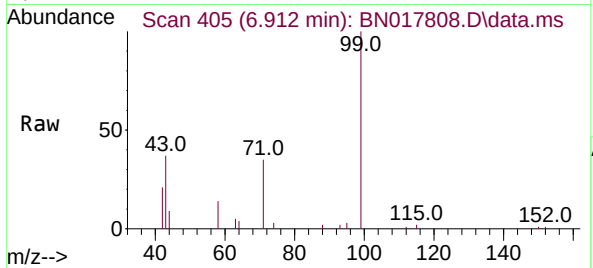




#5
Phenol-d6
Concen: 0.258 ng
RT: 6.912 min Scan# 405
Delta R.T. 0.009 min
Lab File: BN017808.D
Acq: 08 Dec 2021 20:13

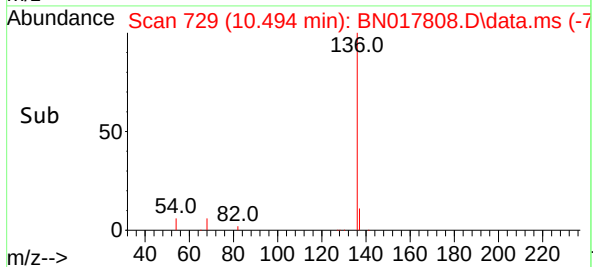
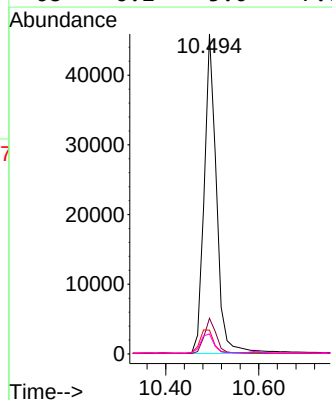
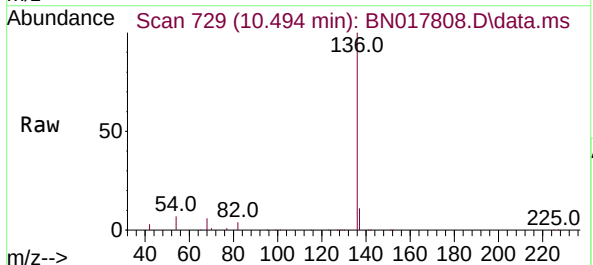
Instrument :
BNA_N
ClientSampleId :
P2-COMP

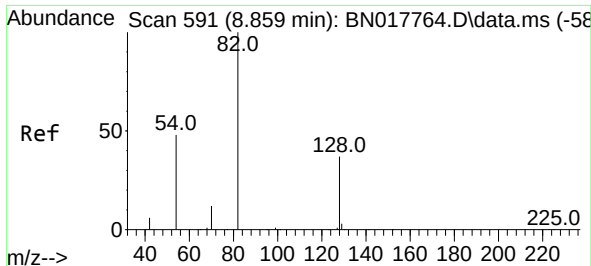
Tgt Ion: 99 Resp: 12331
Ion Ratio Lower Upper
99 100
42 22.7 16.6 25.0
71 37.9 29.0 43.4



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.494 min Scan# 729
Delta R.T. -0.000 min
Lab File: BN017808.D
Acq: 08 Dec 2021 20:13

Tgt Ion: 136 Resp: 84501
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 7.4 5.9 8.9
68 6.2 5.0 7.6

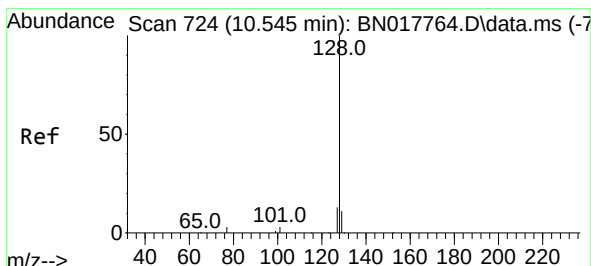
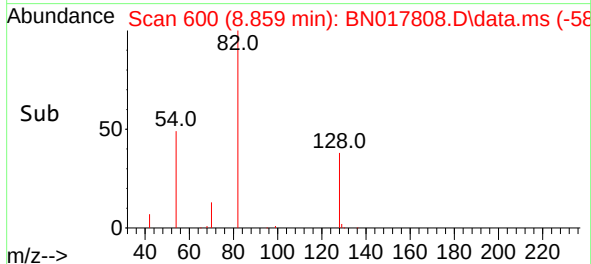
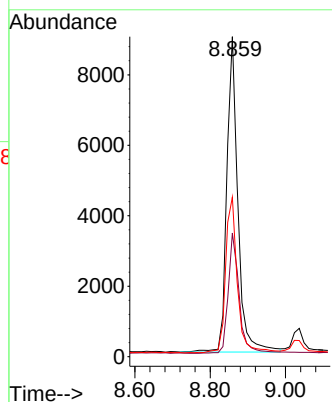
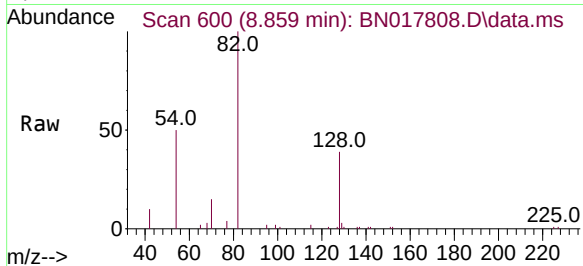




#8
Nitrobenzene-d5
Concen: 0.326 ng
RT: 8.859 min Scan# 600
Delta R.T. -0.000 min
Lab File: BN017808.D
Acq: 08 Dec 2021 20:13

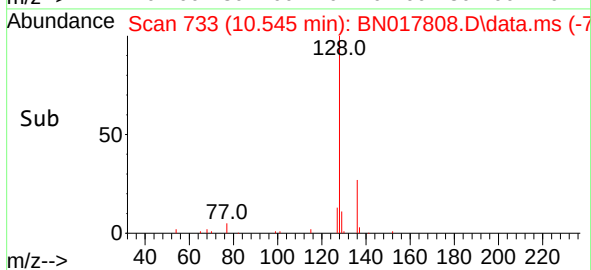
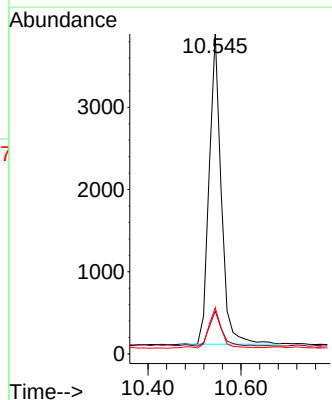
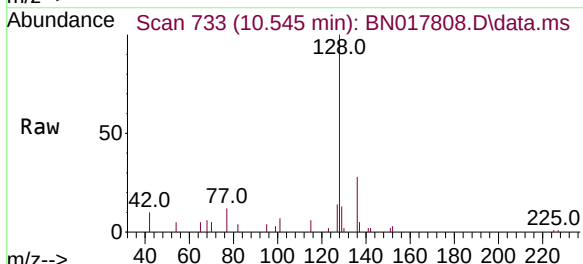
Instrument :
BNA_N
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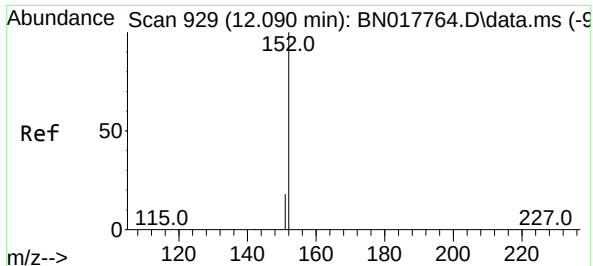
Tgt Ion: 82 Resp: 18331
Ion Ratio Lower Upper
82 100
128 38.6 30.2 45.2
54 49.9 39.0 58.6



#9
Naphthalene
Concen: 0.031 ng
RT: 10.545 min Scan# 733
Delta R.T. -0.000 min
Lab File: BN017808.D
Acq: 08 Dec 2021 20:13

Tgt Ion: 128 Resp: 6832
Ion Ratio Lower Upper
128 100
129 13.3 8.8 13.2#
127 14.5 10.6 15.8

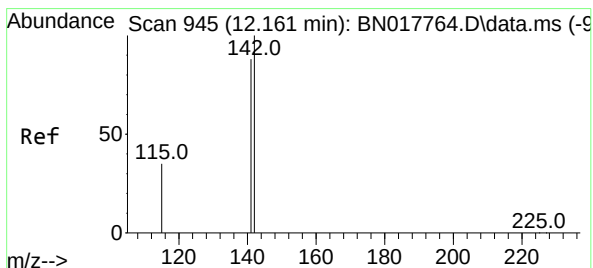
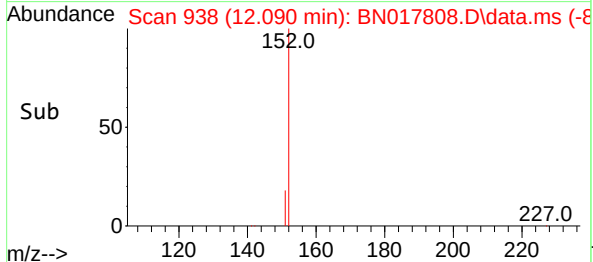
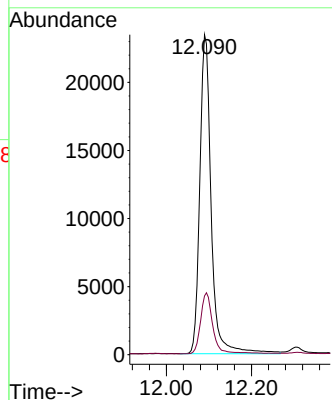
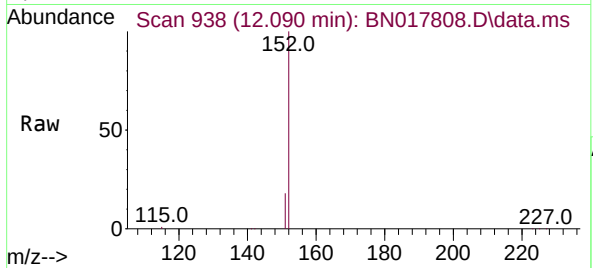




#11
2-Methylnaphthalene-d10
Concen: 0.257 ng
RT: 12.090 min Scan# 911
Delta R.T. -0.000 min
Lab File: BN017808.D
Acq: 08 Dec 2021 20:13

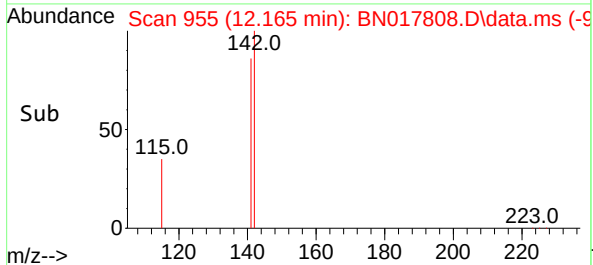
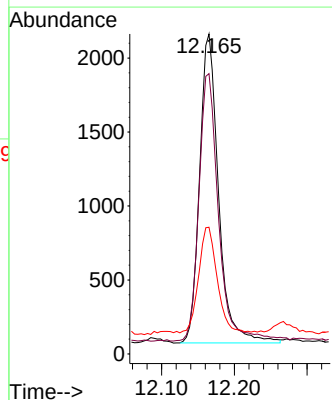
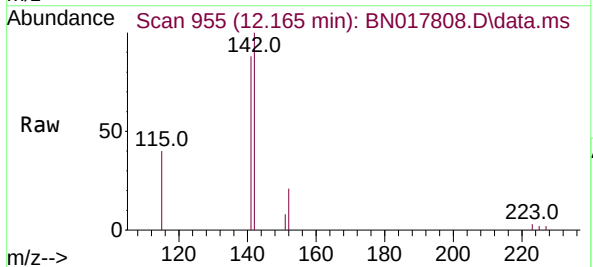
Instrument :
BNA_N
ClientSampleId :
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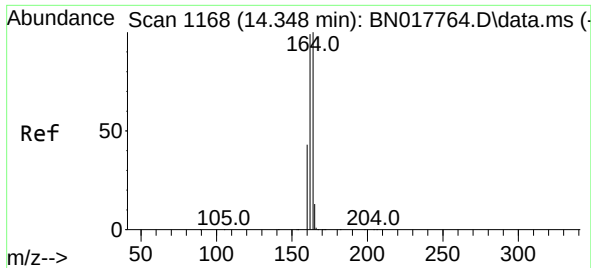
Tgt Ion:152 Resp: 43389
Ion Ratio Lower Upper
152 100
151 20.6 16.4 24.6



#12
2-Methylnaphthalene
Concen: 0.024 ng
RT: 12.165 min Scan# 955
Delta R.T. 0.004 min
Lab File: BN017808.D
Acq: 08 Dec 2021 20:13

Tgt Ion:142 Resp: 3777
Ion Ratio Lower Upper
142 100
141 87.6 70.5 105.7
115 39.6 28.0 42.0

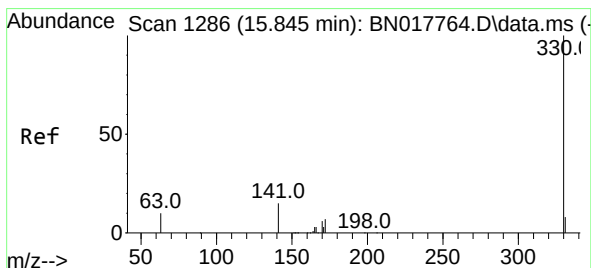
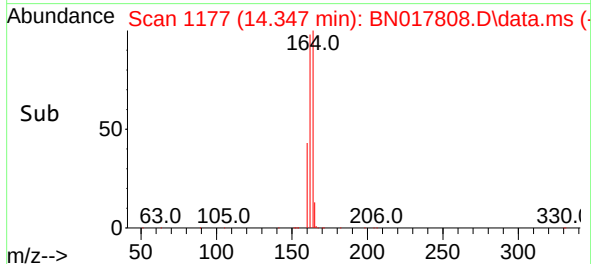
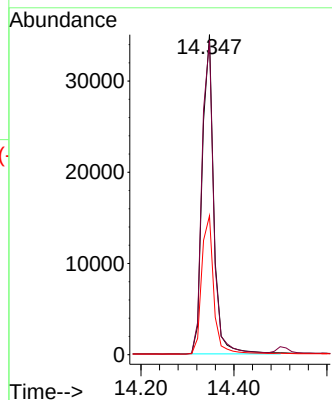
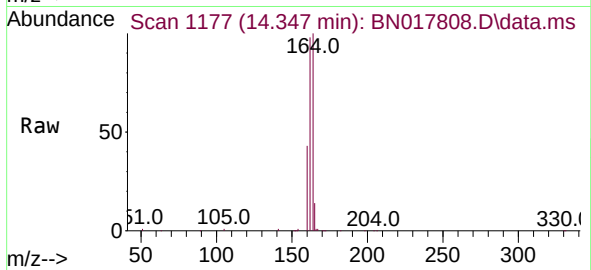




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.347 min Scan# 1168
 Delta R.T. -0.000 min
 Lab File: BN017808.D
 Acq: 08 Dec 2021 20:13

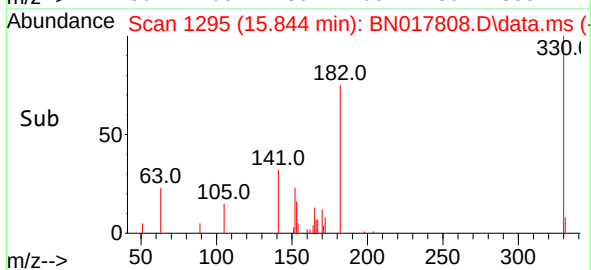
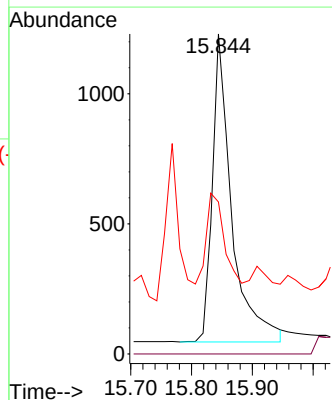
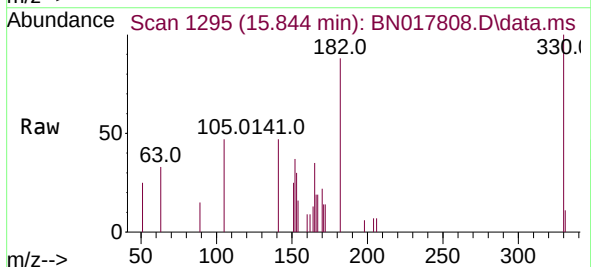
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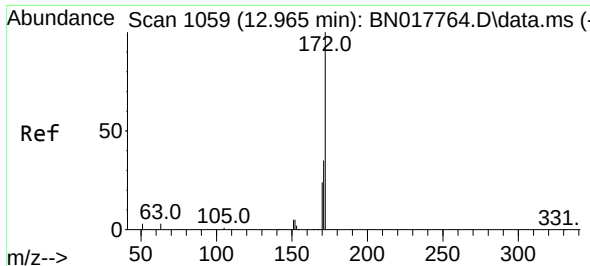
Tgt Ion:164 Resp: 60252
 Ion Ratio Lower Upper
 164 100
 162 98.2 79.0 118.6
 160 43.4 34.6 52.0



#14
 2,4,6-Tribromophenol
 Concen: 0.083 ng
 RT: 15.844 min Scan# 1295
 Delta R.T. -0.000 min
 Lab File: BN017808.D
 Acq: 08 Dec 2021 20:13

Tgt Ion:330 Resp: 2620
 Ion Ratio Lower Upper
 330 100
 332 0.0 0.0 0.0
 141 26.2 21.5 32.3

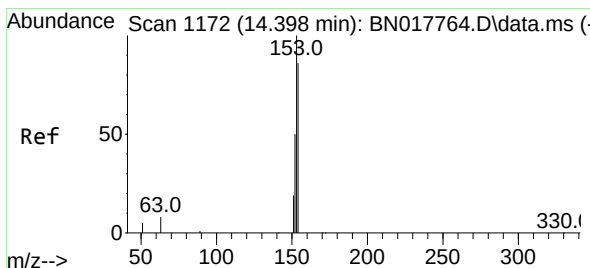
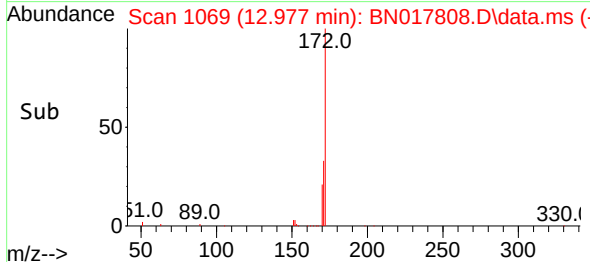
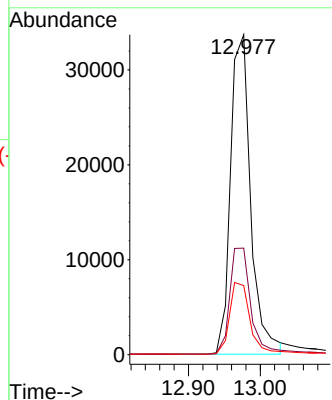
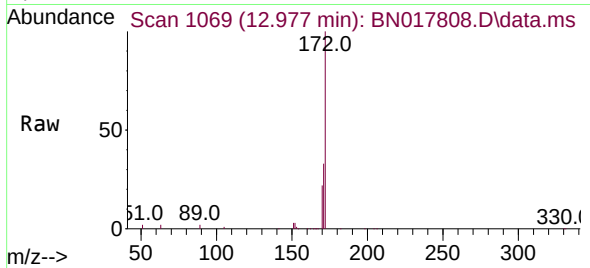




#15
2-Fluorobiphenyl
Concen: 0.298 ng
RT: 12.977 min Scan# 1069
Delta R.T. 0.012 min
Lab File: BN017808.D
Acq: 08 Dec 2021 20:13

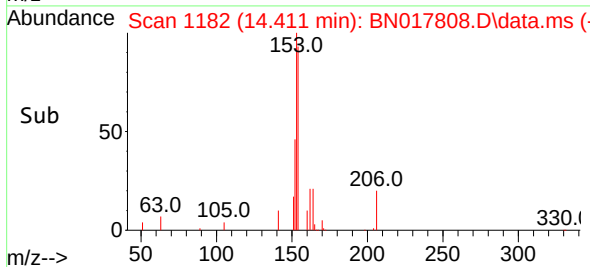
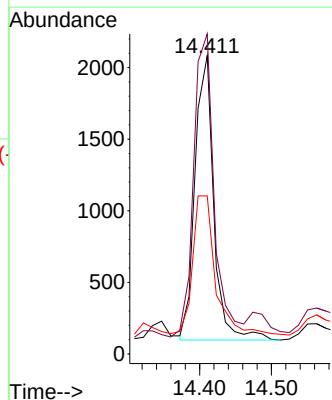
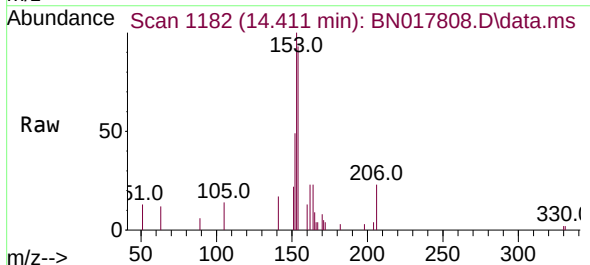
Instrument :
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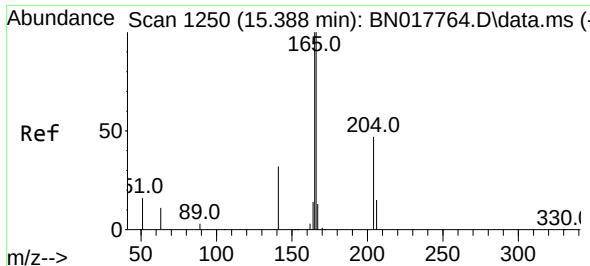
Tgt Ion:172 Resp: 65641
Ion Ratio Lower Upper
172 100
171 33.3 28.1 42.1
170 21.6 18.9 28.3



#17
Acenaphthene
Concen: 0.023 ng
RT: 14.411 min Scan# 1182
Delta R.T. 0.012 min
Lab File: BN017808.D
Acq: 08 Dec 2021 20:13

Tgt Ion:154 Resp: 3612
Ion Ratio Lower Upper
154 100
153 116.2 90.1 135.1
152 59.4 43.7 65.5

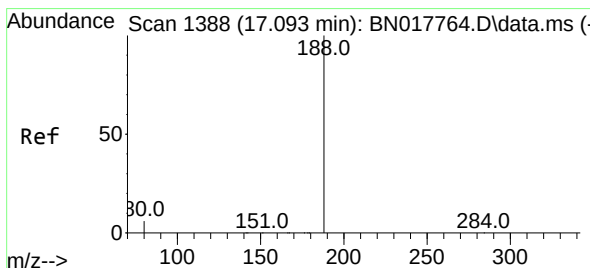
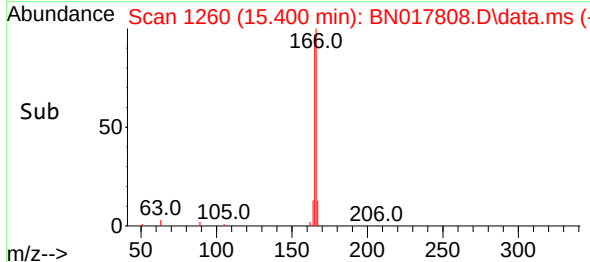
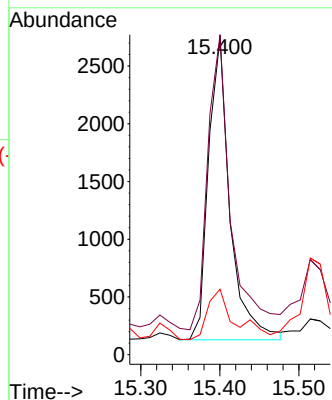
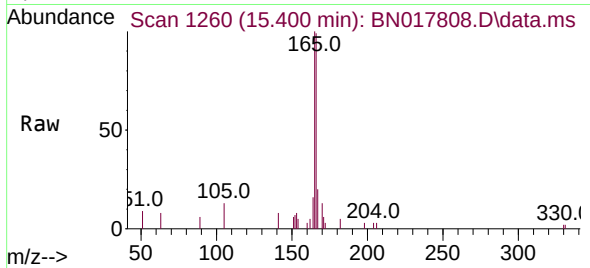




#18
Fluorene
Concen: 0.024 ng
RT: 15.400 min Scan# 11
Delta R.T. 0.012 min
Lab File: BN017808.D
Acq: 08 Dec 2021 20:13

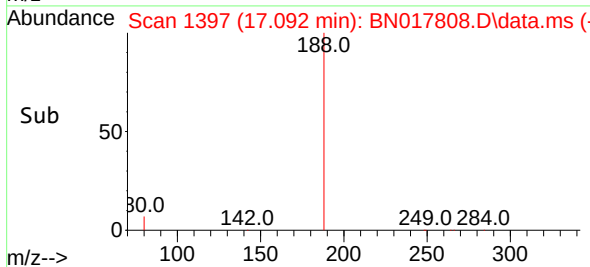
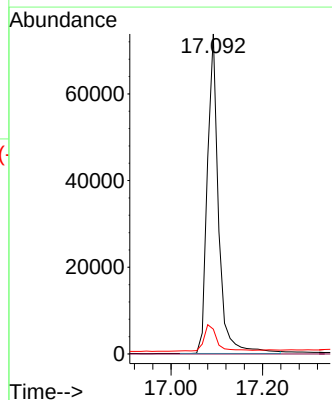
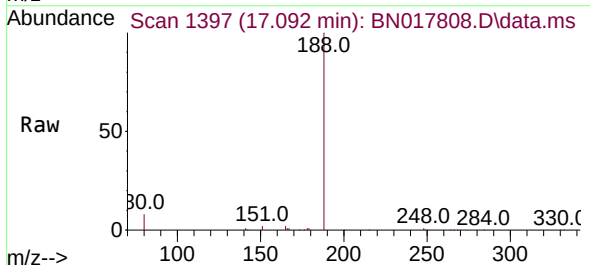
Instrument :
BNA_N
ClientSampleId :
P2-COMP

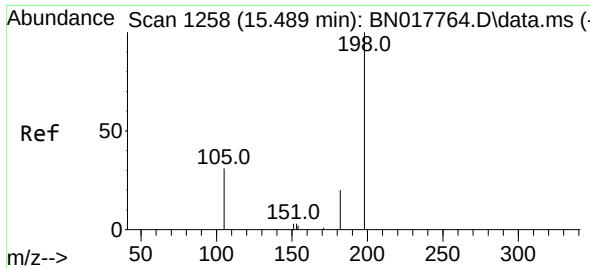
Tgt Ion:166 Resp: 4934
Ion Ratio Lower Upper
166 100
165 104.0 77.8 116.8
167 21.4 11.0 16.4#



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.092 min Scan# 1397
Delta R.T. -0.000 min
Lab File: BN017808.D
Acq: 08 Dec 2021 20:13

Tgt Ion:188 Resp: 125251
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 7.7 5.1 7.7#

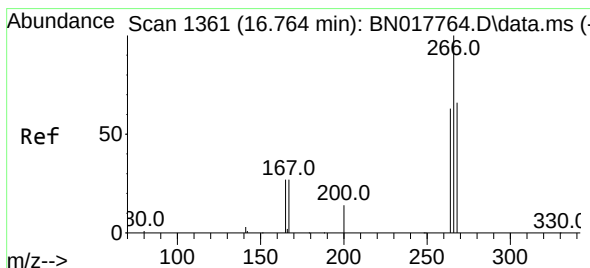
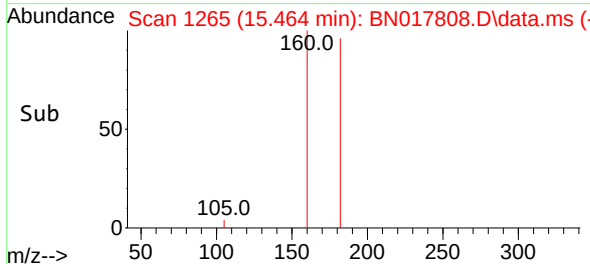
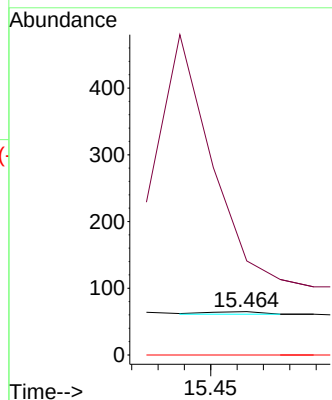
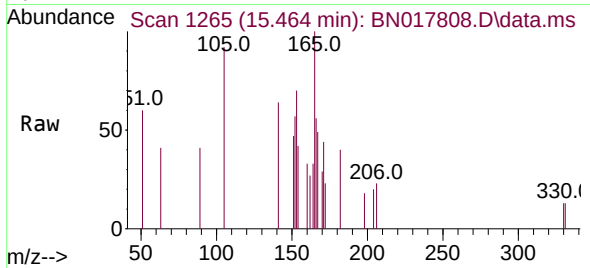




#20
4,6-Dinitro-2-methylphenol
Concen: 0.084 ng
RT: 15.464 min Scan# 11
Delta R.T. -0.025 min
Lab File: BN017808.D
Acq: 08 Dec 2021 20:13

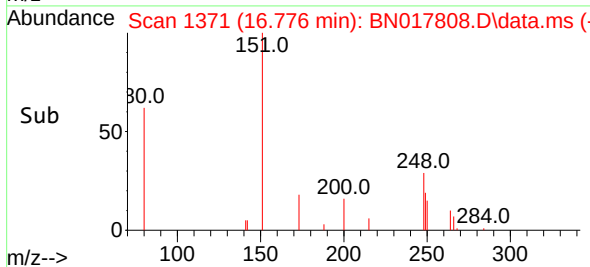
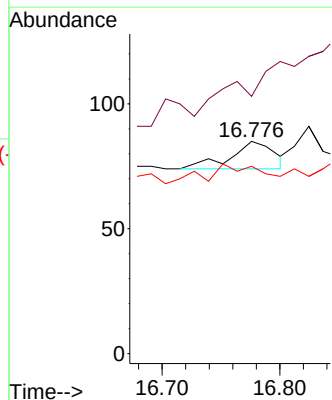
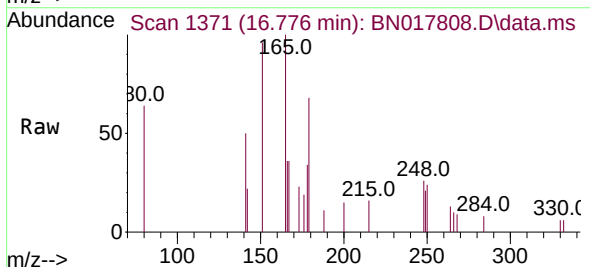
Instrument :
BNA_N
ClientSampleId :
P2-COMP

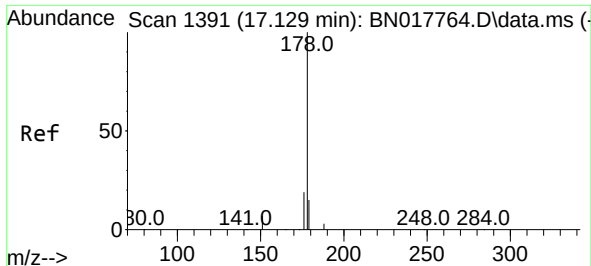
Tgt Ion:198 Resp: 5
Ion Ratio Lower Upper
198 100
182 216.9 44.2 66.2#
77 0.0 0.0 0.0



#24
Pentachlorophenol
Concen: 0.281 ng
RT: 16.776 min Scan# 1371
Delta R.T. 0.012 min
Lab File: BN017808.D
Acq: 08 Dec 2021 20:13

Tgt Ion:266 Resp: 28
Ion Ratio Lower Upper
266 100
264 0.0 50.8 76.2#
268 0.0 51.8 77.6#

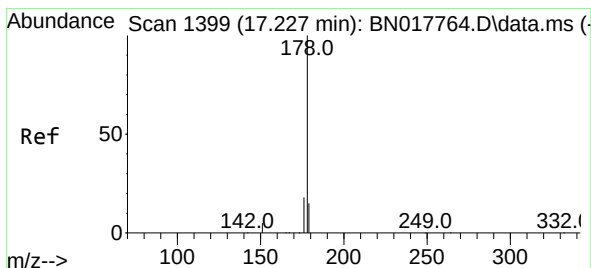
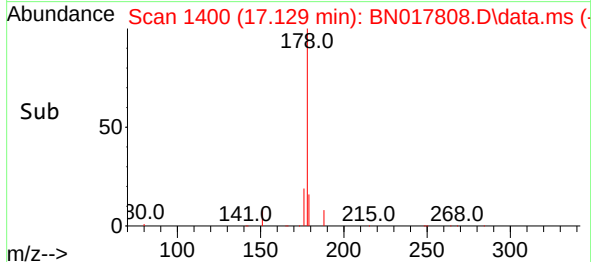
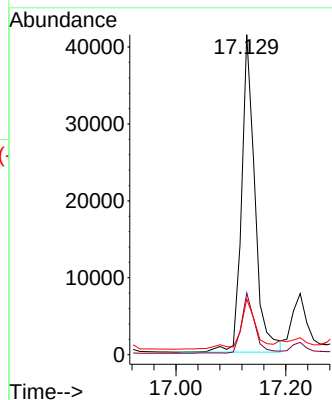
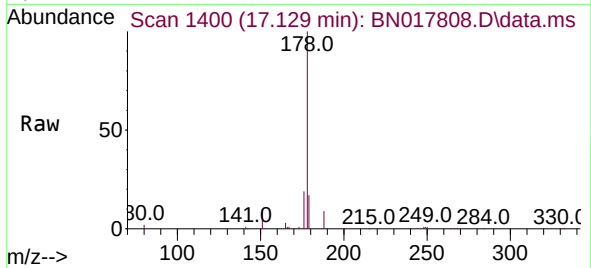




#25
Phenanthrene
Concen: 0.210 ng
RT: 17.129 min Scan# 1400
Delta R.T. -0.000 min
Lab File: BN017808.D
Acq: 08 Dec 2021 20:13

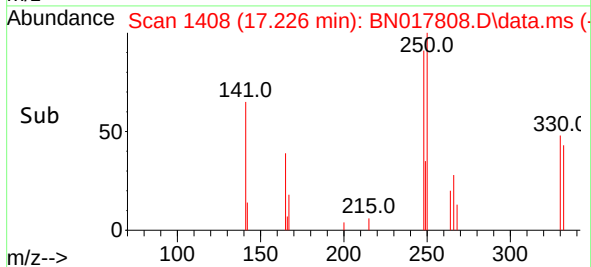
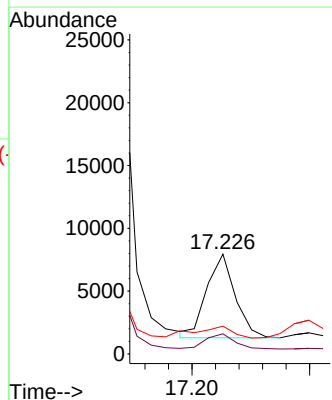
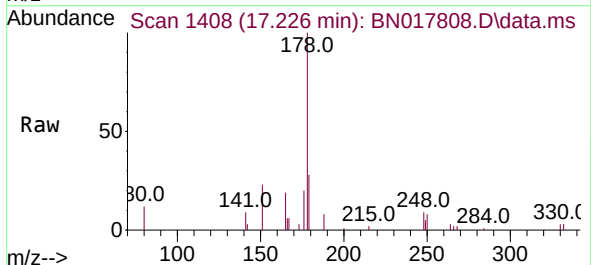
Instrument :
BNA_N
ClientSampleId :
P2-COMP

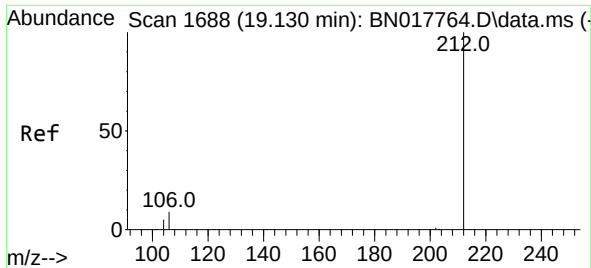
Tgt Ion:178 Resp: 69136
Ion Ratio Lower Upper
178 100
176 18.3 15.0 22.6
179 17.9 12.5 18.7



#26
Anthracene
Concen: 0.039 ng
RT: 17.226 min Scan# 1408
Delta R.T. -0.000 min
Lab File: BN017808.D
Acq: 08 Dec 2021 20:13

Tgt Ion:178 Resp: 11189
Ion Ratio Lower Upper
178 100
176 18.3 14.5 21.7
179 18.8 12.2 18.4#

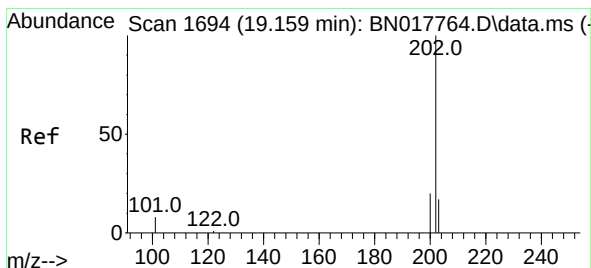
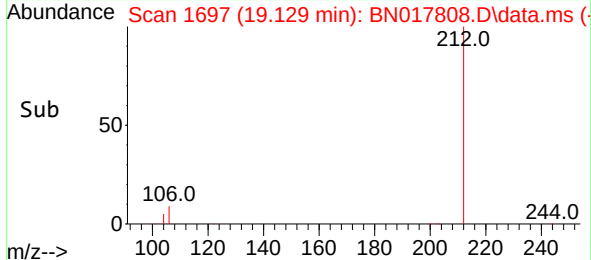
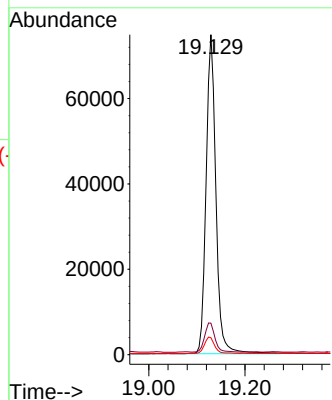
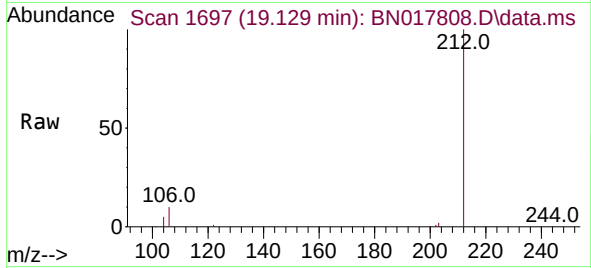




#27
Fluoranthene-d10
Concen: 0.253 ng
RT: 19.129 min Scan# 1703
Delta R.T. -0.000 min
Lab File: BN017808.D
Acq: 08 Dec 2021 20:13

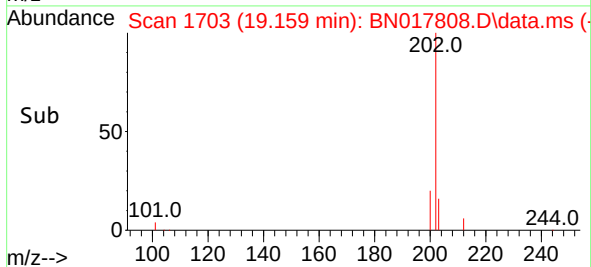
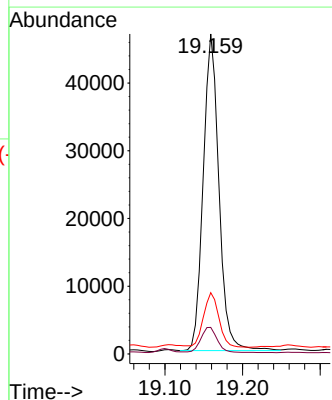
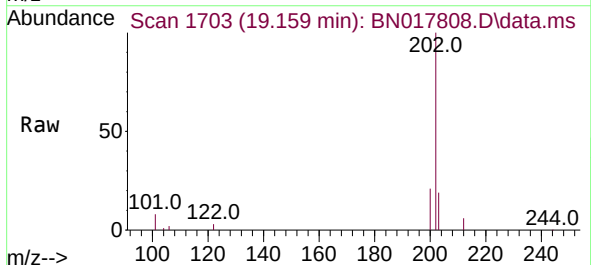
Instrument :
BNA_N
ClientSampleId :
P2-COMP

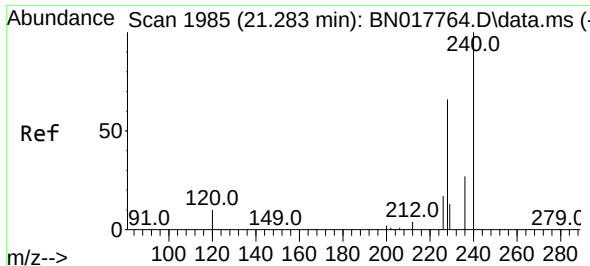
Tgt Ion:212 Resp: 105790
Ion Ratio Lower Upper
212 100
106 9.5 8.2 12.2
104 5.5 4.6 6.8



#28
Fluoranthene
Concen: 0.165 ng
RT: 19.159 min Scan# 1703
Delta R.T. -0.000 min
Lab File: BN017808.D
Acq: 08 Dec 2021 20:13

Tgt Ion:202 Resp: 65917
Ion Ratio Lower Upper
202 100
101 8.5 7.2 10.8
203 17.0 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: BN017808.D

Acq: 08 Dec 2021 20:13

Instrument :

BNA_N

ClientSampleId :

P2-COMP

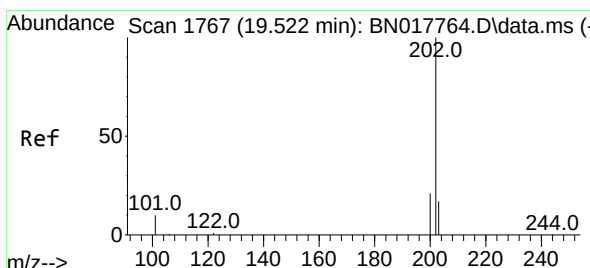
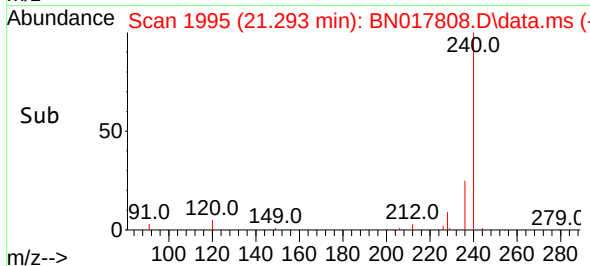
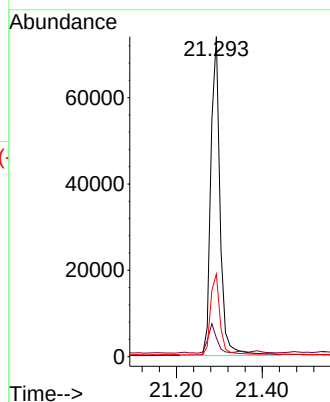
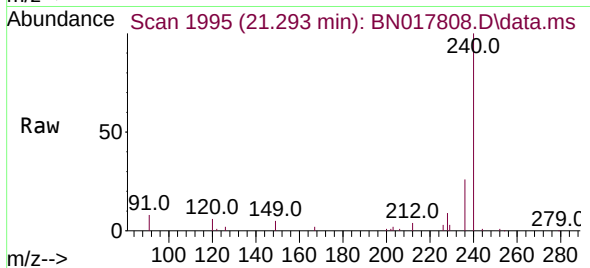
Tgt Ion:240 Resp: 110798

Ion Ratio Lower Upper

240 100

120 5.9 7.9 11.9#

236 25.8 21.4 32.2



#30

Pyrene

Concen: 0.188 ng

RT: 19.521 min Scan# 1776

Delta R.T. -0.000 min

Lab File: BN017808.D

Acq: 08 Dec 2021 20:13

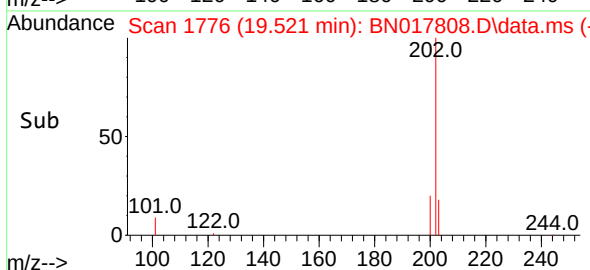
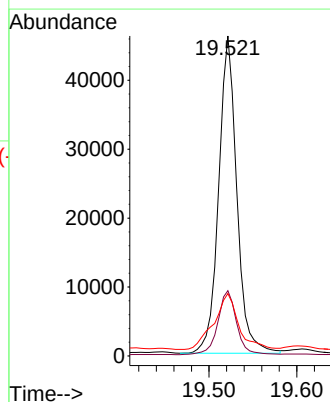
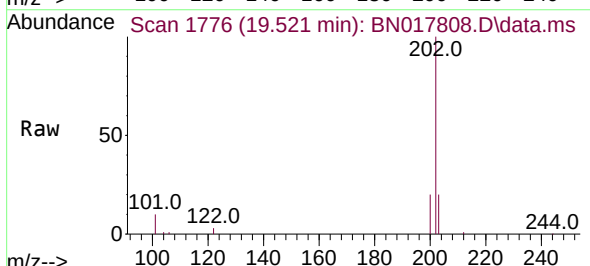
Tgt Ion:202 Resp: 66153

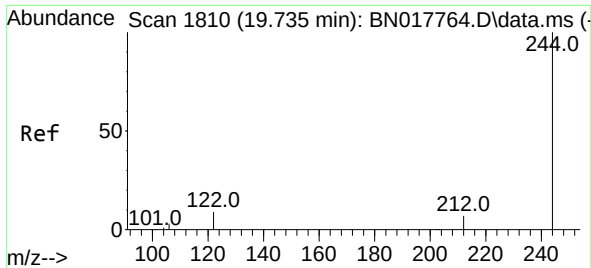
Ion Ratio Lower Upper

202 100

200 20.8 16.5 24.7

203 23.8 14.0 21.0#

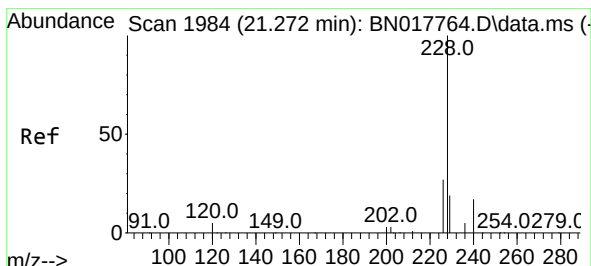
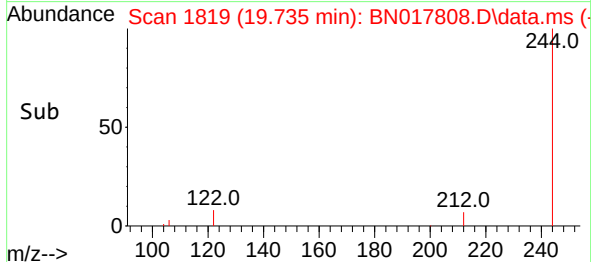
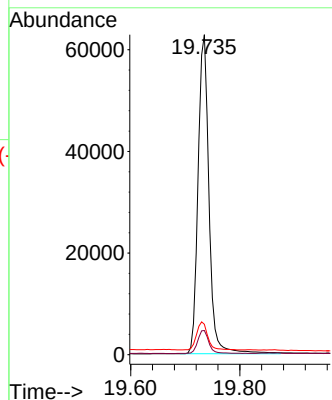
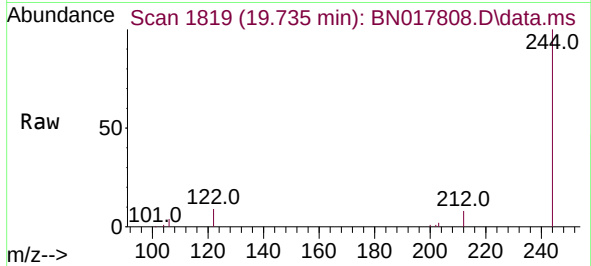




#31
 Terphenyl-d14
 Concen: 0.367 ng
 RT: 19.735 min Scan# 1810
 Delta R.T. -0.000 min
 Lab File: BN017808.D
 Acq: 08 Dec 2021 20:13

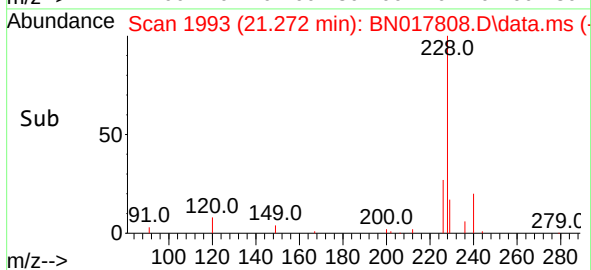
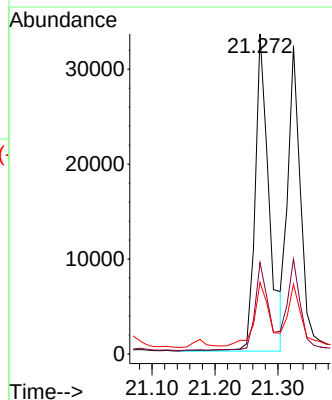
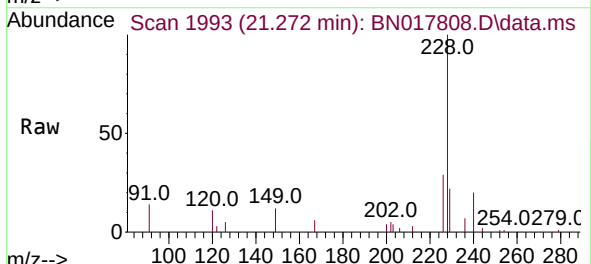
Instrument :
 BNA_N
 ClientSampleId :
 P2-COMP

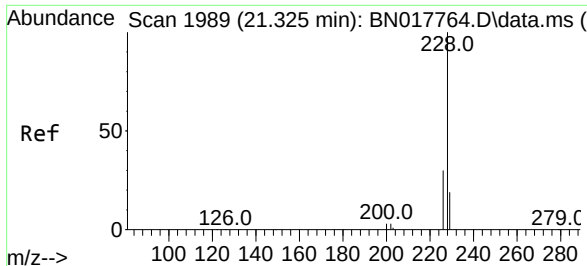
Tgt Ion:244 Resp: 87255
 Ion Ratio Lower Upper
 244 100
 212 7.6 5.8 8.8
 122 9.5 7.1 10.7



#32
 Benzo(a)anthracene
 Concen: 0.149 ng
 RT: 21.272 min Scan# 1993
 Delta R.T. -0.000 min
 Lab File: BN017808.D
 Acq: 08 Dec 2021 20:13

Tgt Ion:228 Resp: 50761
 Ion Ratio Lower Upper
 228 100
 226 28.5 21.4 32.0
 229 22.3 15.7 23.5

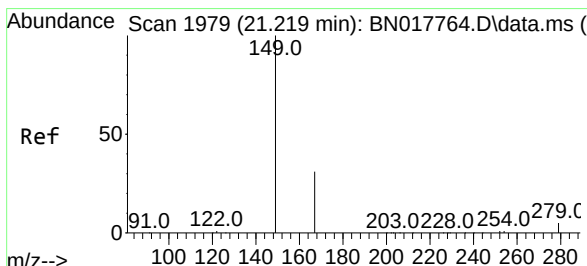
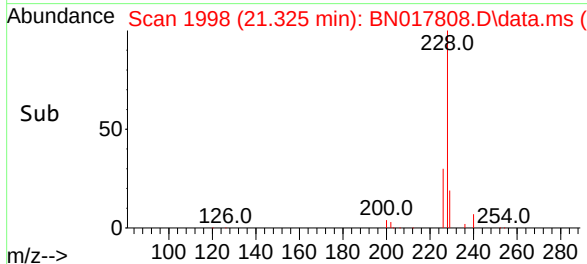
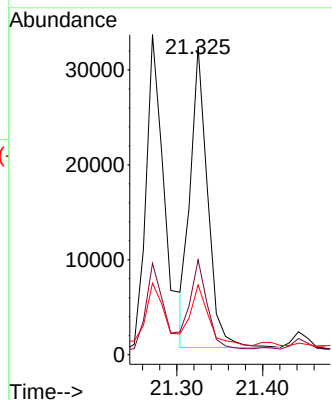
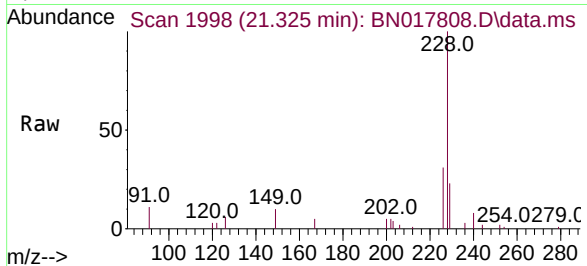




#33
Chrysene
Concen: 0.124 ng
RT: 21.325 min Scan# 1989
Delta R.T. -0.000 min
Lab File: BN017808.D
Acq: 08 Dec 2021 20:13

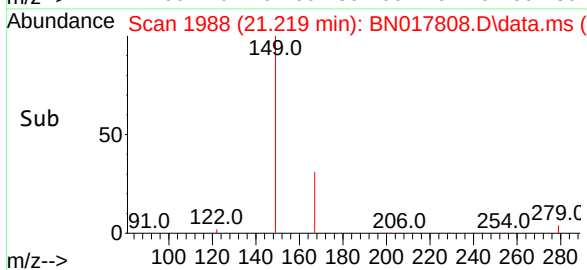
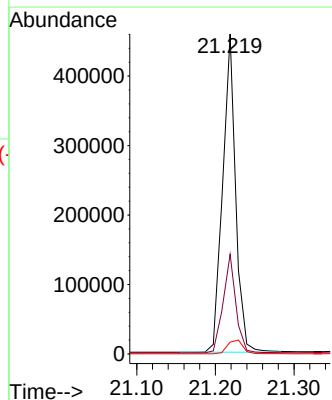
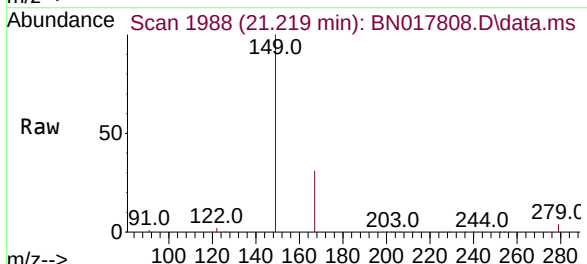
Instrument :
BNA_N
ClientSampleId :
P2-COMP

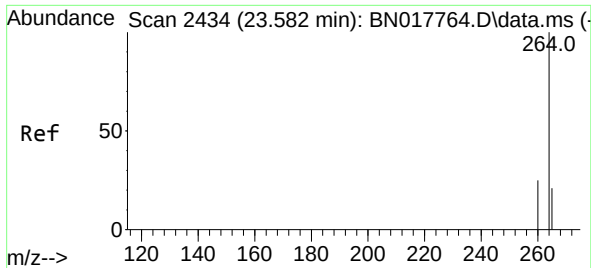
Tgt Ion:228	Resp:	44087
Ion Ratio	Lower	Upper
228	100	
226	30.8	23.6 35.4
229	22.6	15.6 23.4



#34
Bis(2-ethylhexyl)phthalate
Concen: 3.388 ng
RT: 21.219 min Scan# 1988
Delta R.T. -0.000 min
Lab File: BN017808.D
Acq: 08 Dec 2021 20:13

Tgt Ion:149	Resp:	523632
Ion Ratio	Lower	Upper
149	100	
167	30.5	23.5 35.3
279	5.1	3.8 5.6

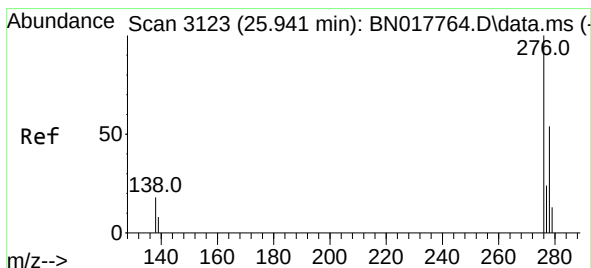
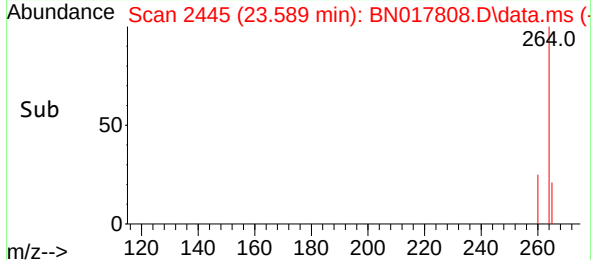
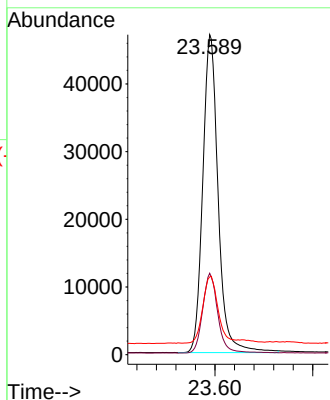
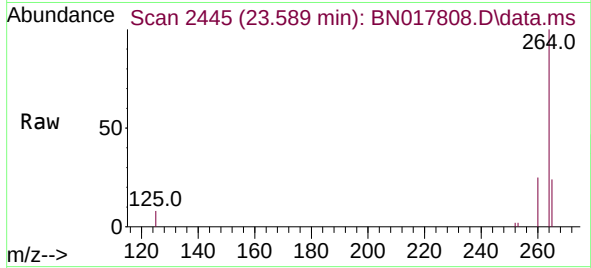




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.589 min Scan# 24
Delta R.T. 0.006 min
Lab File: BN017808.D
Acq: 08 Dec 2021 20:13

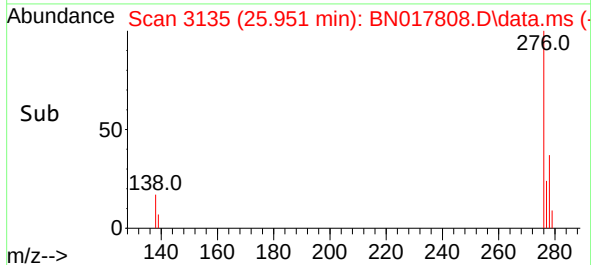
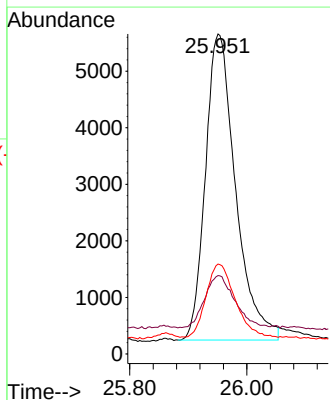
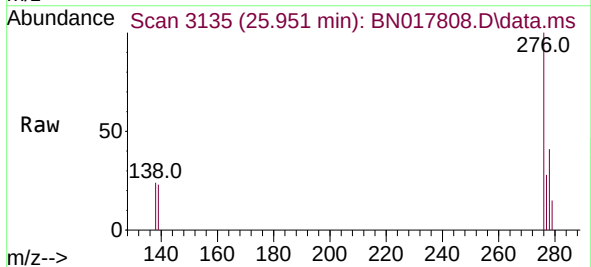
Instrument :
BNA_N
ClientSampleId :
P2-COMP

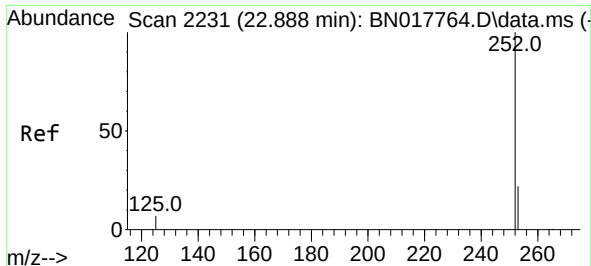
Tgt Ion:264 Resp: 102638
Ion Ratio Lower Upper
264 100
260 25.5 20.0 30.0
265 24.3 20.5 30.7



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.068 ng
RT: 25.951 min Scan# 3135
Delta R.T. 0.010 min
Lab File: BN017808.D
Acq: 08 Dec 2021 20:13

Tgt Ion:276 Resp: 19359
Ion Ratio Lower Upper
276 100
138 17.0 15.0 22.4
277 23.0 19.8 29.8





#37

Benzo(b)fluoranthene

Concen: 0.127 ng

RT: 22.898 min Scan# 21

Delta R.T. 0.010 min

Lab File: BN017808.D

Acq: 08 Dec 2021 20:13

Instrument :

BNA_N

ClientSampleId :

P2-COMP

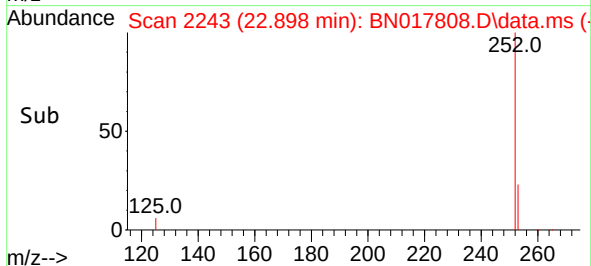
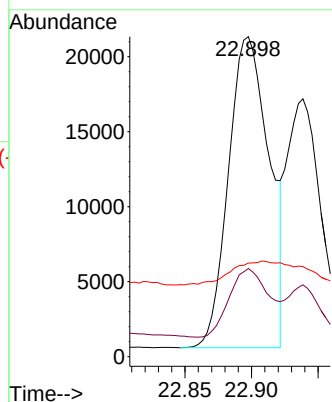
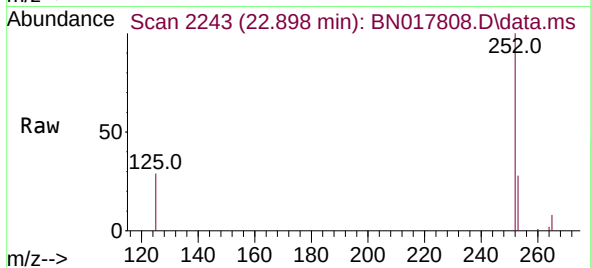
Tgt Ion:252 Resp: 44183

Ion Ratio Lower Upper

252 100

253 27.6 17.7 26.5#

125 29.3 6.2 9.2#



#38

Benzo(k)fluoranthene

Concen: 0.085 ng

RT: 22.939 min Scan# 2255

Delta R.T. 0.006 min

Lab File: BN017808.D

Acq: 08 Dec 2021 20:13

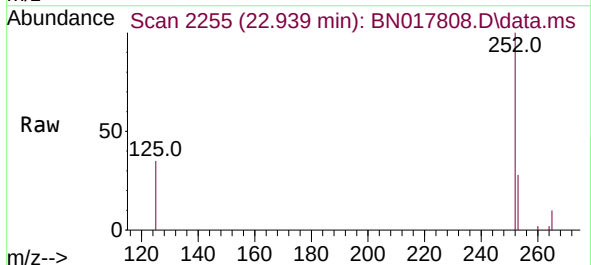
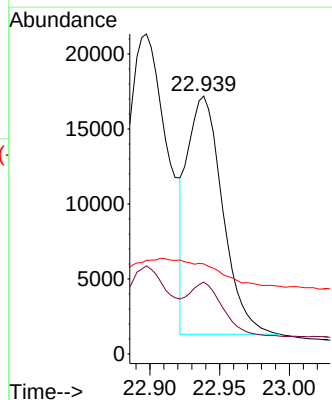
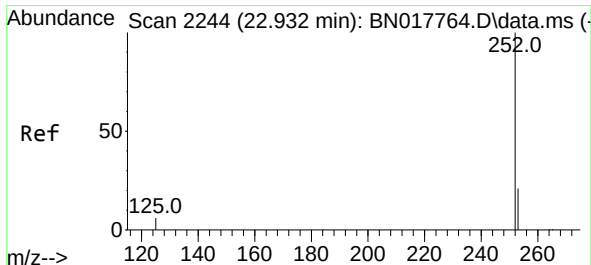
Tgt Ion:252 Resp: 27999

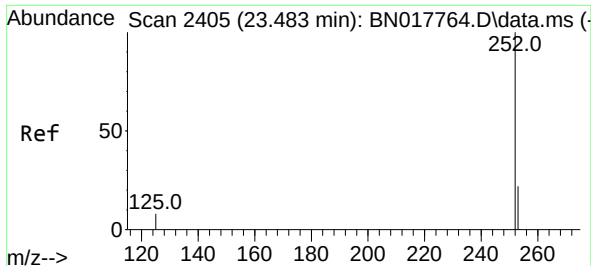
Ion Ratio Lower Upper

252 100

253 27.9 17.8 26.6#

125 34.9 6.2 9.2#





#39

Benzo(a)pyrene

Concen: 0.105 ng

RT: 23.486 min Scan# 2405

Delta R.T. 0.003 min

Lab File: BN017808.D

Acq: 08 Dec 2021 20:13

Instrument :

BNA_N

ClientSampleId :

P2-COMP

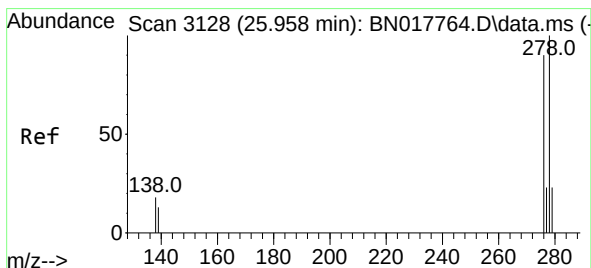
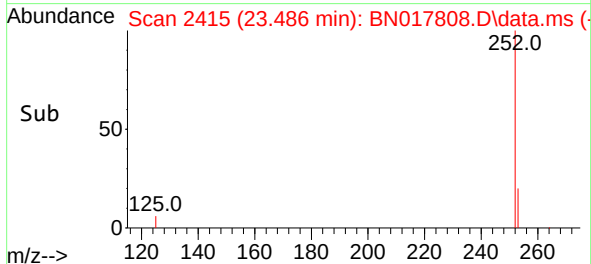
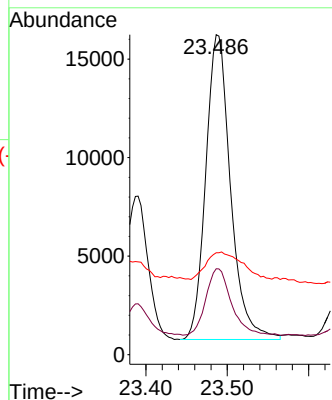
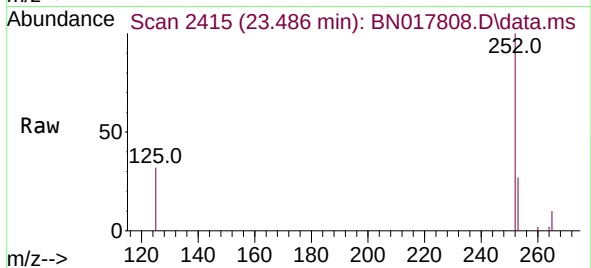
Tgt Ion:252 Resp: 32784

Ion Ratio Lower Upper

252 100

253 26.9 18.1 27.1

125 31.8 7.0 10.4#



#40

Dibenzo(a,h)anthracene

Concen: 0.049 ng

RT: 25.968 min Scan# 3140

Delta R.T. 0.010 min

Lab File: BN017808.D

Acq: 08 Dec 2021 20:13

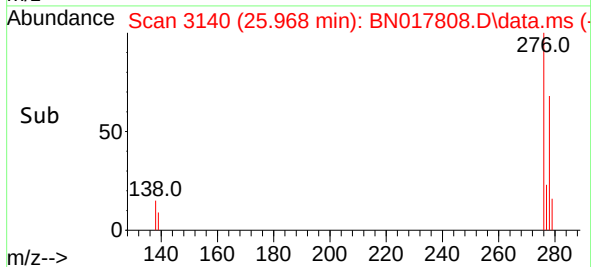
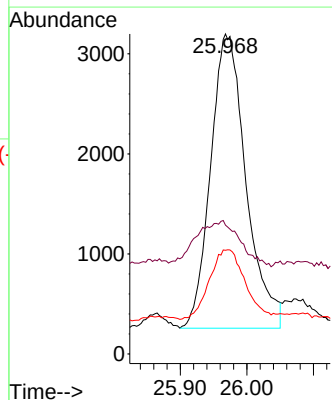
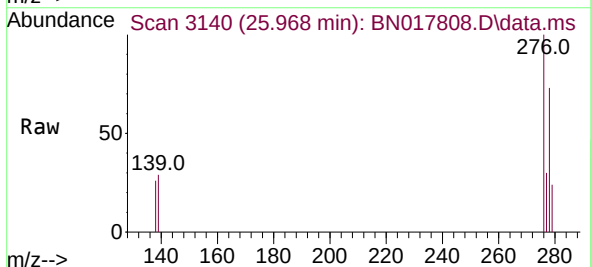
Tgt Ion:278 Resp: 10881

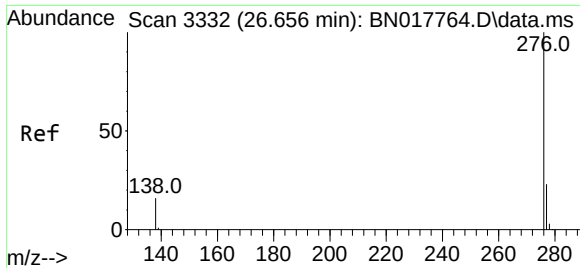
Ion Ratio Lower Upper

278 100

139 40.3 10.8 16.2#

279 32.4 19.1 28.7#





#41

Benzo(g,h,i)perylene

Concen: 0.074 ng

RT: 26.673 min Scan# 31

Delta R.T. 0.017 min

Lab File: BN017808.D

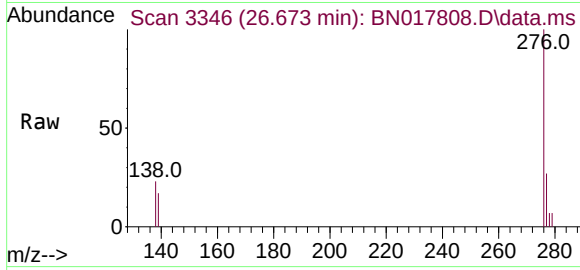
Acq: 08 Dec 2021 20:13

Instrument :

BNA_N

ClientSampleId :

P2-COMP



Tgt Ion:276 Resp: 17612

Ion Ratio Lower Upper

276 100

277 27.4 19.1 28.7

138 22.6 13.2 19.8#

