

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120621\
 Data File : BN017734.D
 Acq On : 06 Dec 2021 16:53
 Operator : CG/JU
 Sample : SP5770
 Misc : 8270 SIM SURROGATE
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SP5770

Quant Time: Dec 07 06:51:38 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN120621.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 06 15:58:05 2021
 Response via : Initial Calibration

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

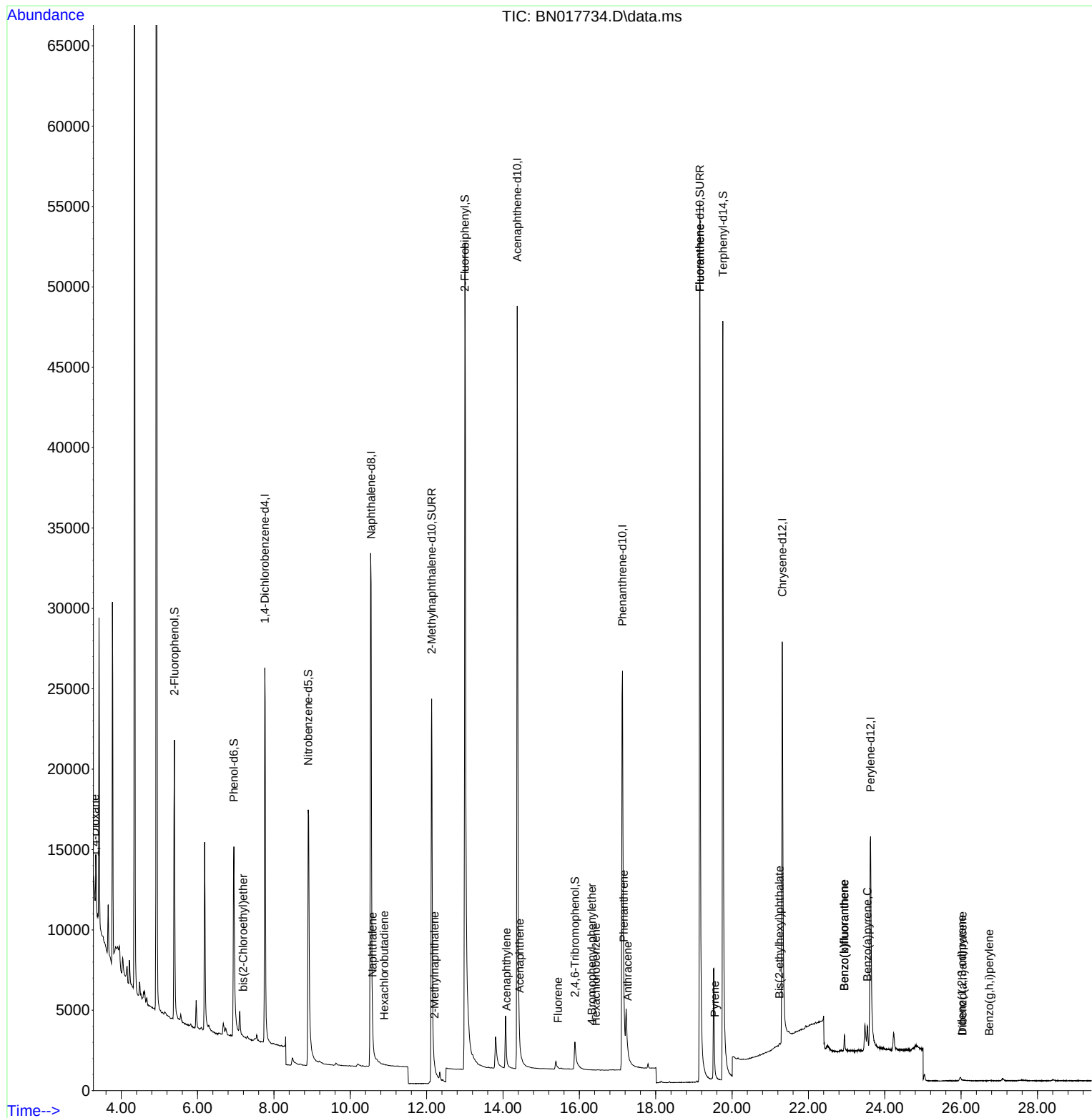
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.761	152	13835	0.400	ng	0.00
7) Naphthalene-d8	10.545	136	59432	0.400	ng	0.01
13) Acenaphthene-d10	14.373	164	34982	0.400	ng	0.00
19) Phenanthrene-d10	17.129	188	61183	0.400	ng	0.01
29) Chrysene-d12	21.314	240	40716	0.400	ng	# 0.01
35) Perylene-d12	23.627	264	24965	0.400	ng	# 0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.391	112	13863	0.467	ng	0.04
5) Phenol-d6	6.950	99	14153	0.445	ng	0.02
8) Nitrobenzene-d5	8.897	82	20945	0.521	ng	0.00
11) 2-Methylnaphthalene-d10	12.130	152	46095	0.423	ng	0.00
14) 2,4,6-Tribromophenol	15.883	330	2929	0.272	ng	0.01
15) 2-Fluorobiphenyl	13.003	172	65089	0.502	ng	0.00
27) Fluoranthene-d10	19.154	212	91699	0.445	ng	0.00
31) Terphenyl-d14	19.760	244	74553	0.714	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.317	88	6	0.001	ng	# 1
6) bis(2-Chloroethyl)ether	7.189	93	45	0.001	ng	# 75
9) Naphthalene	10.583	128	192	0.001	ng	# 8
10) Hexachlorobutadiene	10.887	225	8	0.000	ng	# 54
12) 2-Methylnaphthalene	12.205	142	77	0.001	ng	# 59
16) Acenaphthylene	14.094	152	67	0.000	ng	# 57
17) Acenaphthene	14.436	154	25	0.000	ng	# 24
18) Fluorene	15.439	166	30	0.000	ng	# 40
21) 4-Bromophenyl-phenylether	16.326	248	7	0.000	ng	# 64
22) Hexachlorobenzene	16.435	284	13	0.000	ng	# 1
25) Phenanthrene	17.166	178	86	0.001	ng	# 81
26) Anthracene	17.263	178	38	0.000	ng	# 77
28) Fluoranthene	19.154	202	63	0.000	ng	# 1
30) Pyrene	19.547	202	48	0.000	ng	# 58
34) Bis(2-ethylhexyl)phtha...	21.240	149	254	0.004	ng	# 97
36) Indeno(1,2,3-cd)pyrene	26.019	276	22	0.000	ng	# 60
37) Benzo(b)fluoranthene	22.942	252	319	0.004	ng	# 1
38) Benzo(k)fluoranthene	22.942	252	208	0.003	ng	# 1
39) Benzo(a)pyrene	23.545	252	269	0.004	ng	# 1
40) Dibenzo(a,h)anthracene	26.040	278	4	0.000	ng	# 1
41) Benzo(g,h,i)perylene	26.735	276	11	0.000	ng	# 1

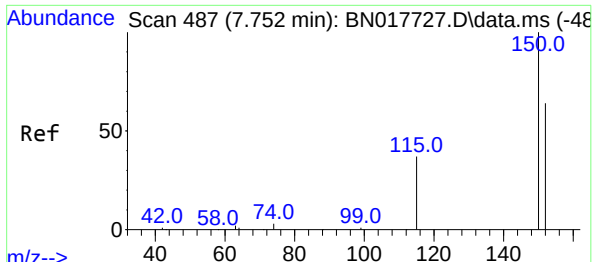
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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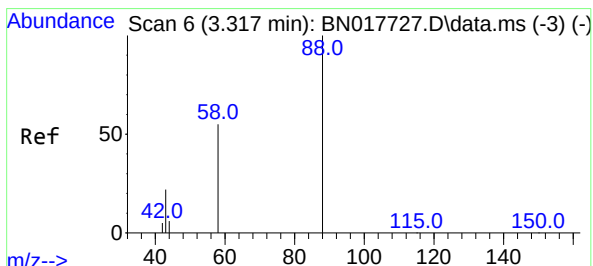
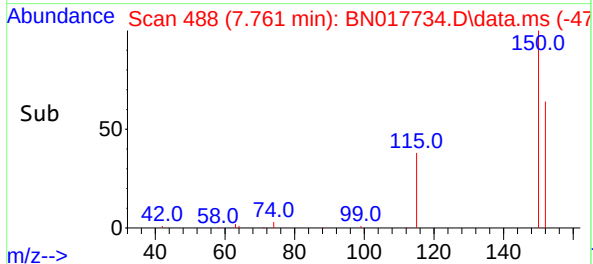
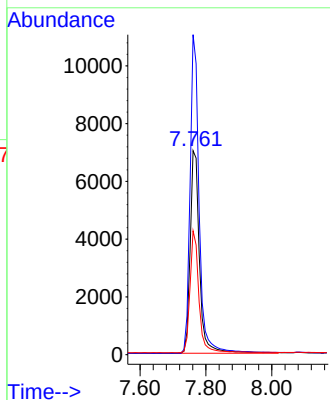
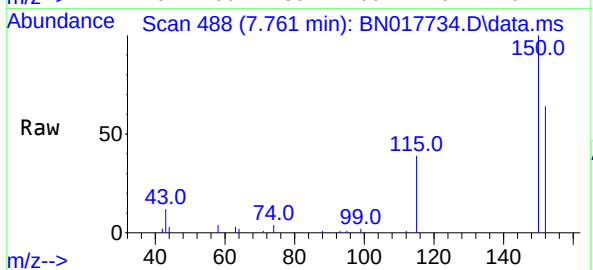




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.761 min Scan# 487
 Delta R.T. 0.009 min
 Lab File: BN017734.D
 Acq: 06 Dec 2021 16:53

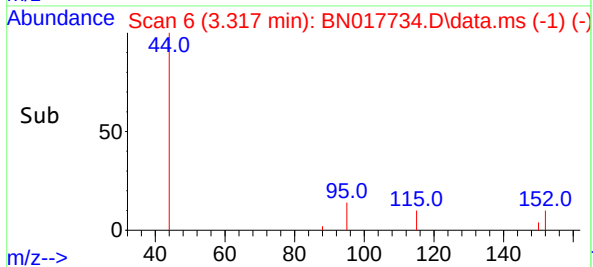
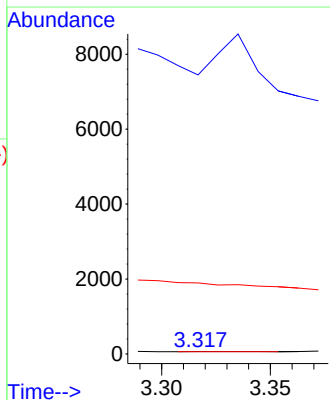
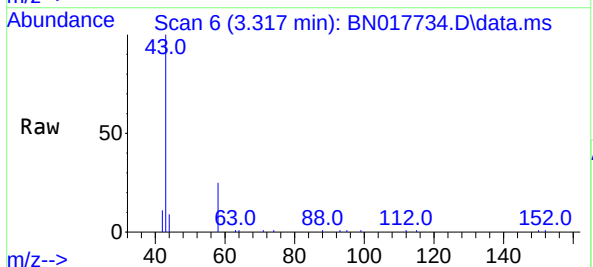
Instrument :
 BNA_N
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 SP5770

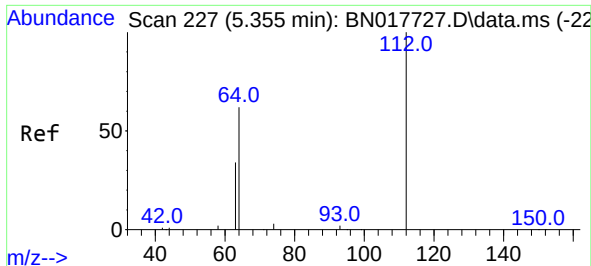
Tgt Ion:152 Resp: 13835
 Ion Ratio Lower Upper
 152 100
 150 156.9 123.0 184.4
 115 60.7 45.6 68.4



#2
 1,4-Dioxane
 Concen: 0.001 ng
 RT: 3.317 min Scan# 6
 Delta R.T. -0.000 min
 Lab File: BN017734.D
 Acq: 06 Dec 2021 16:53

Tgt Ion: 88 Resp: 6
 Ion Ratio Lower Upper
 88 100
 43 27900.0 24.7 37.1#
 58 0.0 63.0 94.6#

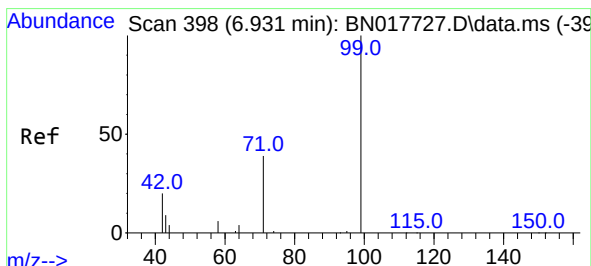
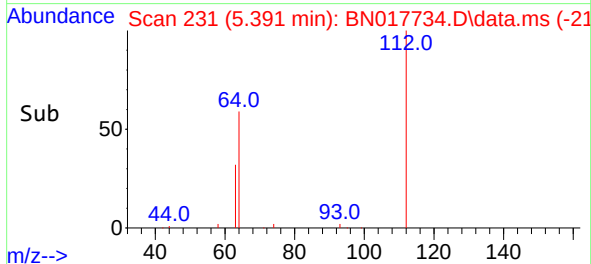
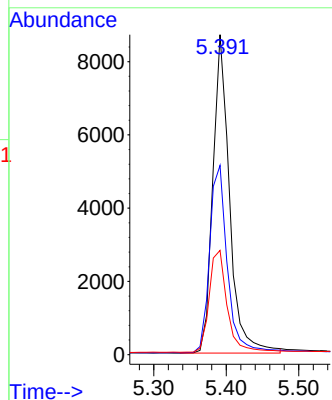
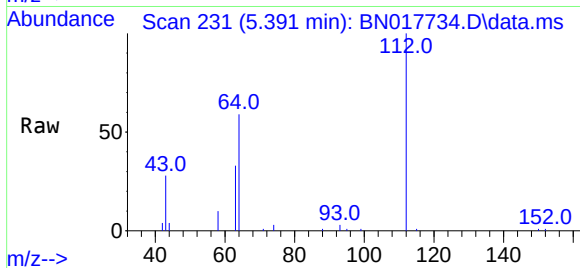




#4
2-Fluorophenol
Concen: 0.467 ng
RT: 5.391 min Scan# 21
Delta R.T. 0.037 min
Lab File: BN017734.D
Acq: 06 Dec 2021 16:53

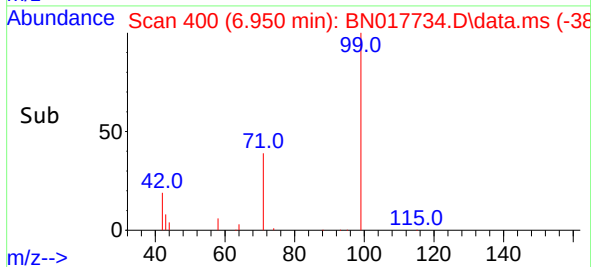
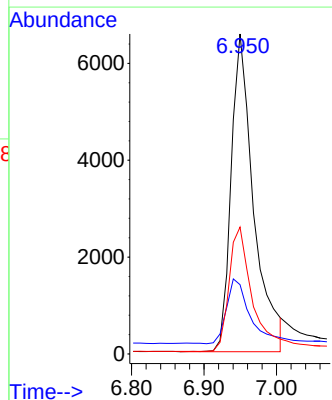
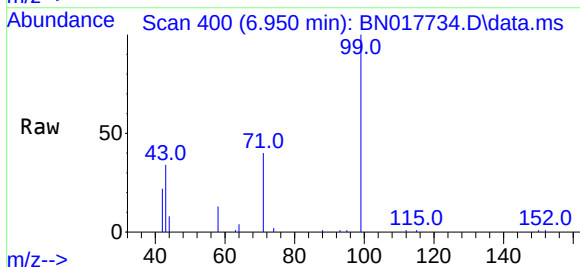
Instrument :
BNA_N
ClientSampleId :
SP5770

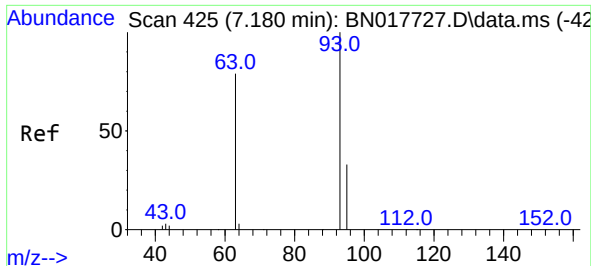
Tgt Ion:112 Resp: 13863
Ion Ratio Lower Upper
112 100
64 62.7 47.6 71.4
63 34.6 24.6 37.0



#5
Phenol-d6
Concen: 0.445 ng
RT: 6.950 min Scan# 400
Delta R.T. 0.018 min
Lab File: BN017734.D
Acq: 06 Dec 2021 16:53

Tgt Ion: 99 Resp: 14153
Ion Ratio Lower Upper
99 100
42 21.1 17.0 25.6
71 39.9 24.8 37.2#

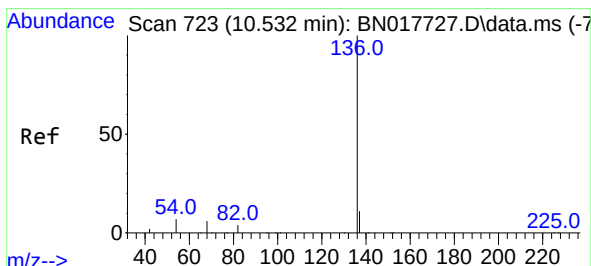
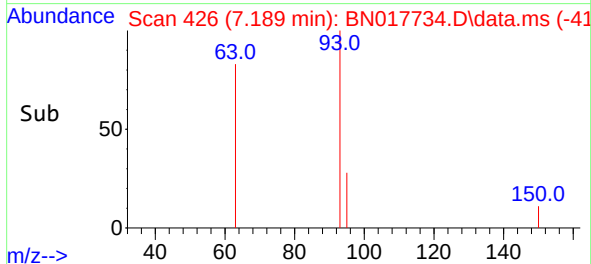
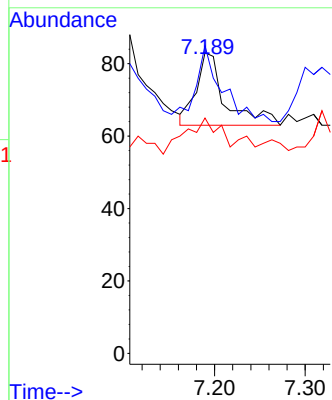
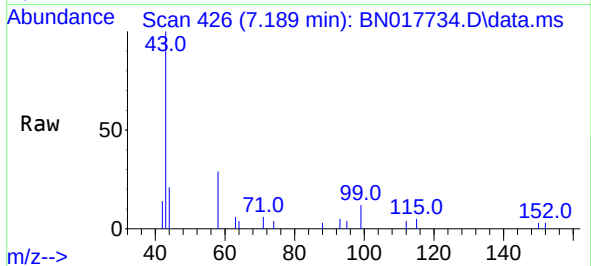




#6
bis(2-Chloroethyl)ether
Concen: 0.001 ng
RT: 7.189 min Scan# 41
Delta R.T. 0.009 min
Lab File: BN017734.D
Acq: 06 Dec 2021 16:53

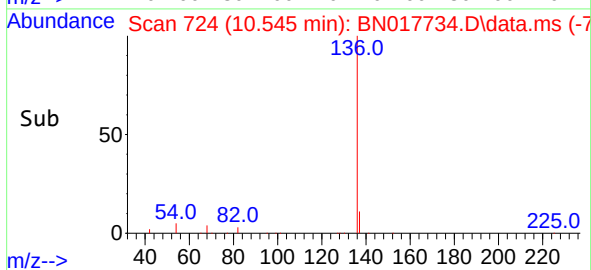
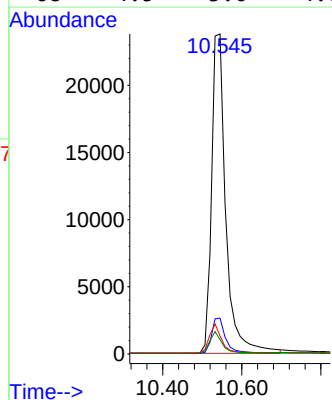
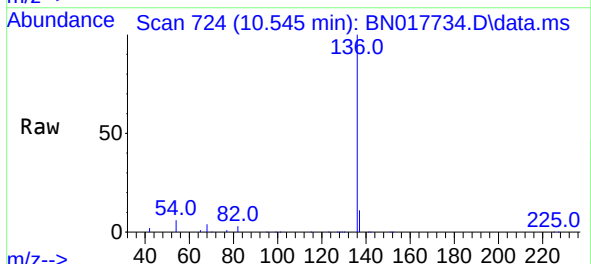
Instrument :
BNA_N
ClientSampleId :
SP5770

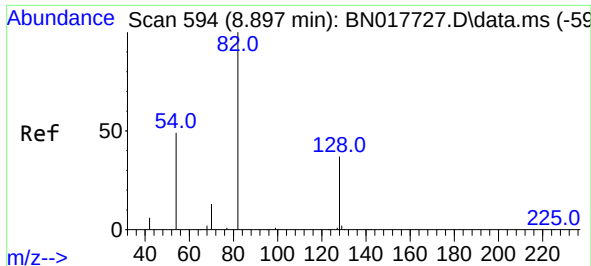
Tgt Ion: 93 Resp: 45
Ion Ratio Lower Upper
93 100
63 93.3 65.8 98.6
95 64.4 26.6 39.8#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.545 min Scan# 724
Delta R.T. 0.012 min
Lab File: BN017734.D
Acq: 06 Dec 2021 16:53

Tgt Ion: 136 Resp: 59432
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 5.7 4.0 6.0
68 4.5 3.0 4.6

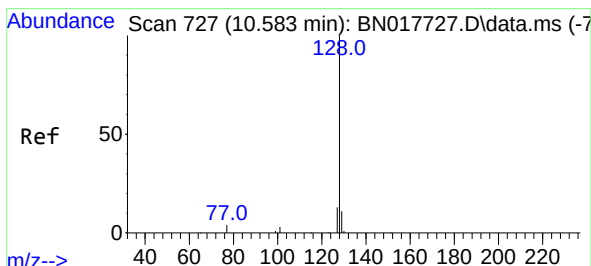
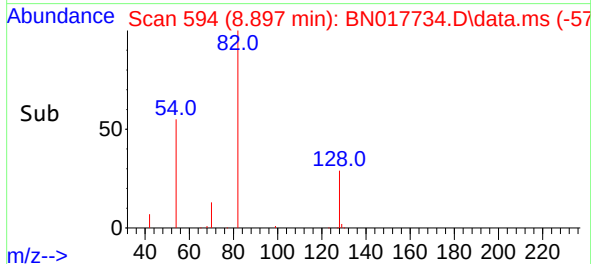
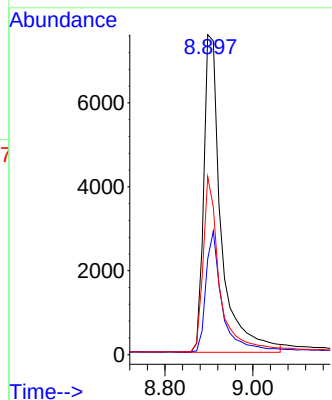
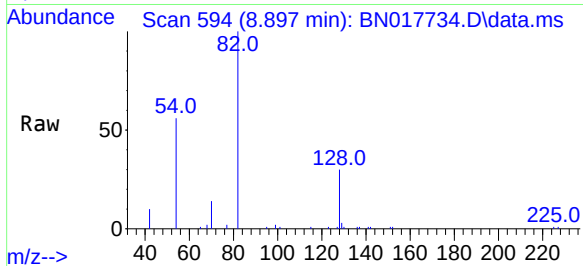




#8
Nitrobenzene-d5
Concen: 0.521 ng
RT: 8.897 min Scan# 594
Delta R.T. -0.000 min
Lab File: BN017734.D
Acq: 06 Dec 2021 16:53

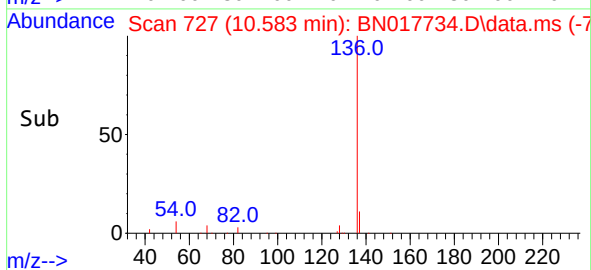
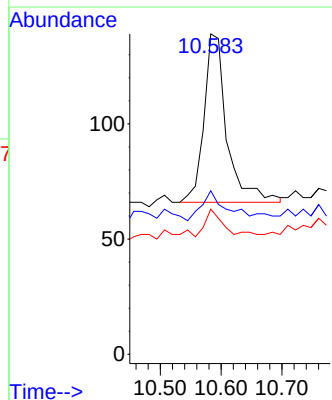
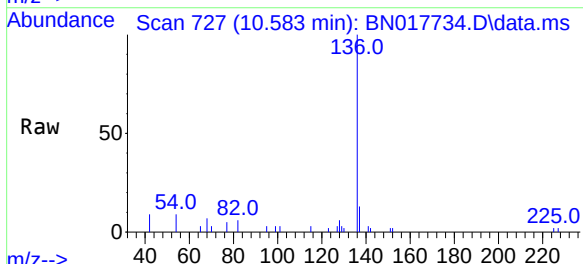
Instrument :
BNA_N
ClientSampleId :
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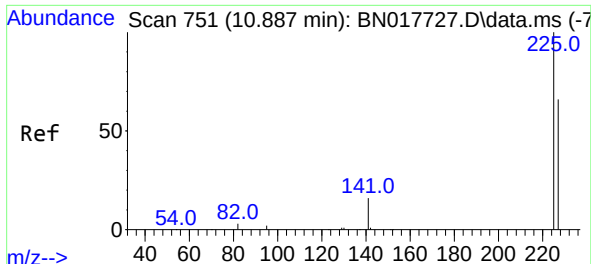
Tgt Ion: 82 Resp: 20945
Ion Ratio Lower Upper
82 100
128 30.0 27.7 41.5
54 55.7 49.2 73.8



#9
Naphthalene
Concen: 0.001 ng
RT: 10.583 min Scan# 727
Delta R.T. -0.000 min
Lab File: BN017734.D
Acq: 06 Dec 2021 16:53

Tgt Ion: 128 Resp: 192
Ion Ratio Lower Upper
128 100
129 51.1 8.8 13.2#
127 45.3 10.6 15.8#

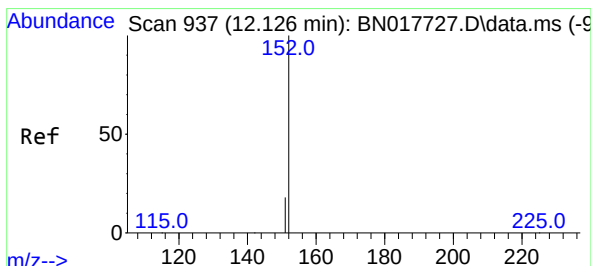
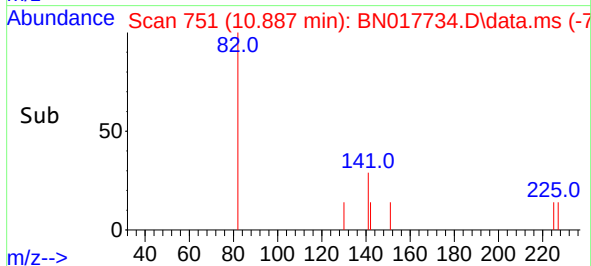
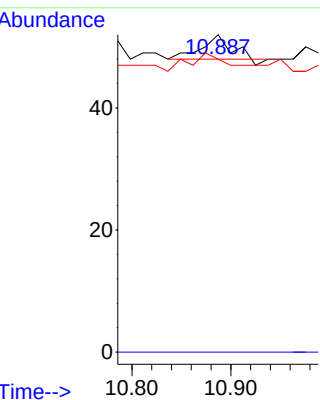
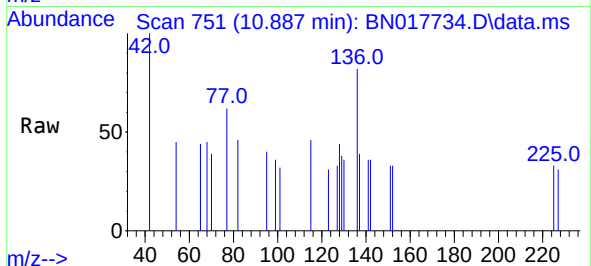




#10
Hexachlorobutadiene
Concen: 0.000 ng
RT: 10.887 min Scan# 71
Delta R.T. -0.000 min
Lab File: BN017734.D
Acq: 06 Dec 2021 16:53

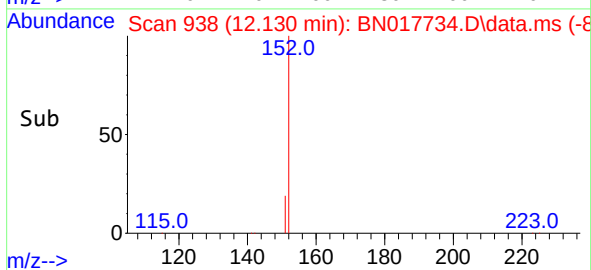
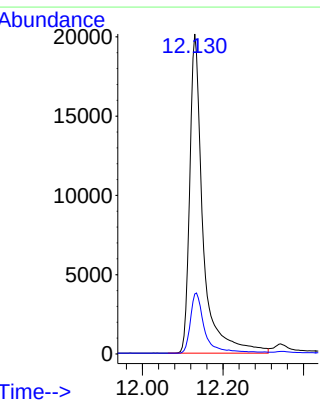
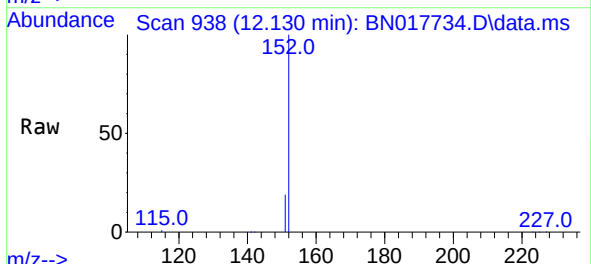
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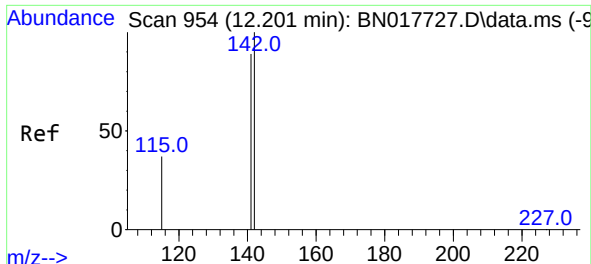
Tgt Ion:225 Resp: 8
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 100.0 51.1 76.7#



#11
2-Methylnaphthalene-d10
Concen: 0.423 ng
RT: 12.130 min Scan# 938
Delta R.T. 0.004 min
Lab File: BN017734.D
Acq: 06 Dec 2021 16:53

Tgt Ion:152 Resp: 46095
Ion Ratio Lower Upper
152 100
151 20.1 16.2 24.4

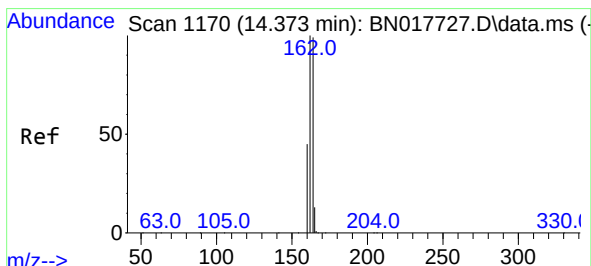
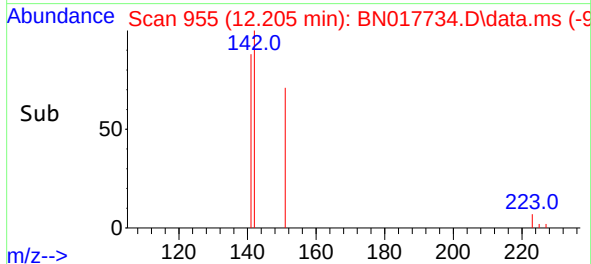
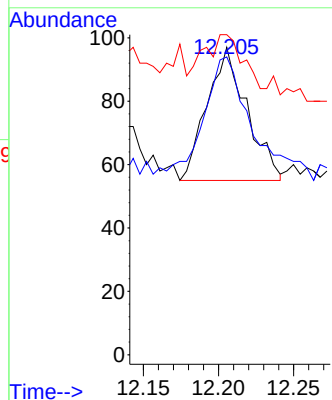
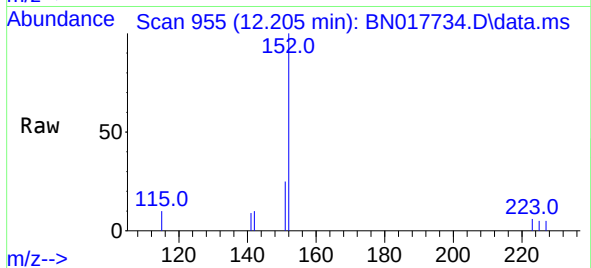




#12
2-Methylnaphthalene
Concen: 0.001 ng
RT: 12.205 min Scan# 91
Delta R.T. 0.004 min
Lab File: BN017734.D
Acq: 06 Dec 2021 16:53

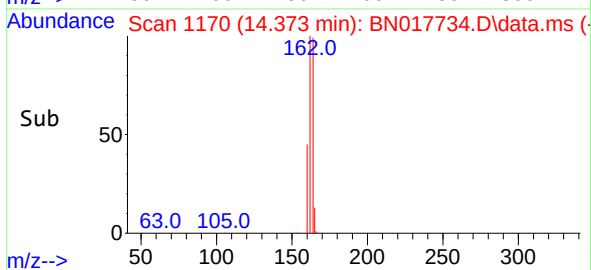
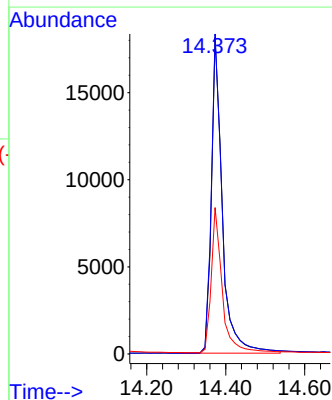
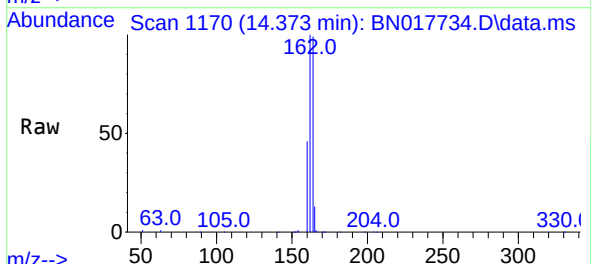
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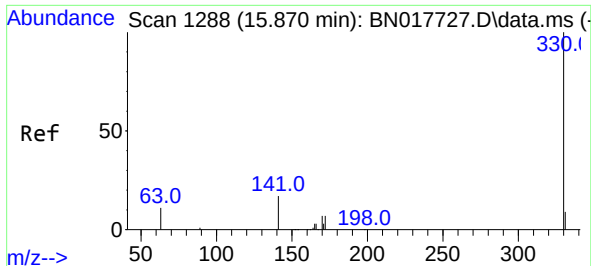
Tgt Ion:142 Resp: 77
Ion Ratio Lower Upper
142 100
141 96.9 70.6 106.0
115 104.1 25.8 38.6#



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.373 min Scan# 1170
Delta R.T. -0.000 min
Lab File: BN017734.D
Acq: 06 Dec 2021 16:53

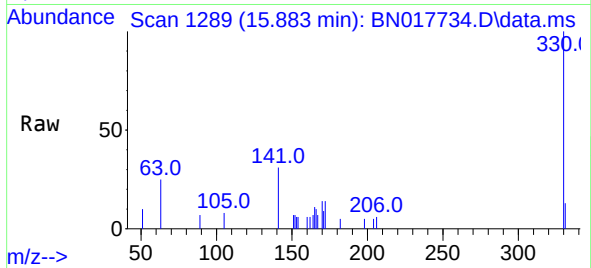
Tgt Ion:164 Resp: 34982
Ion Ratio Lower Upper
164 100
162 101.1 81.4 122.2
160 46.3 36.8 55.2



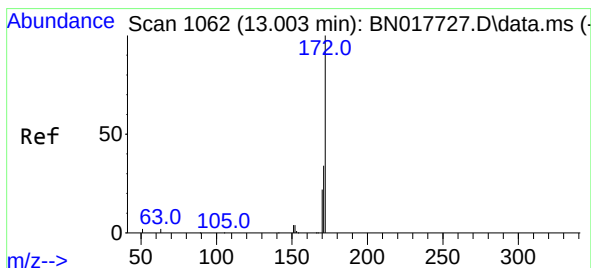
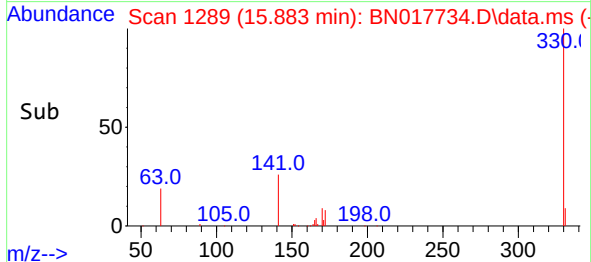
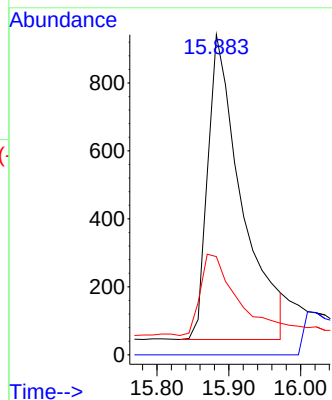


#14
2,4,6-Tribromophenol
Concen: 0.272 ng
RT: 15.883 min Scan# 1289
Delta R.T. 0.013 min
Lab File: BN017734.D
Acq: 06 Dec 2021 16:53

Instrument :
BNA_N
ClientSampleId :
SP5770

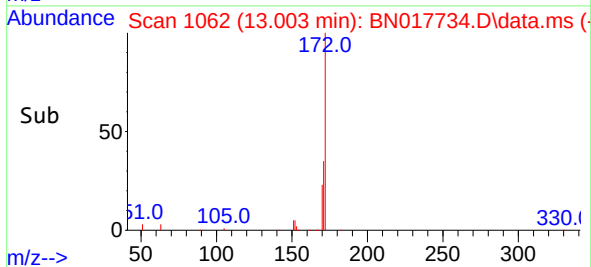
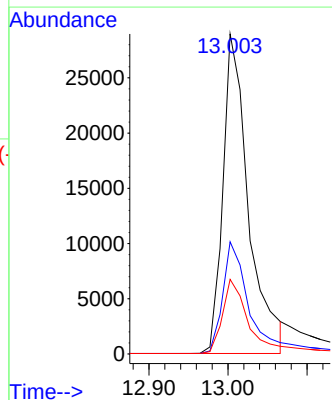
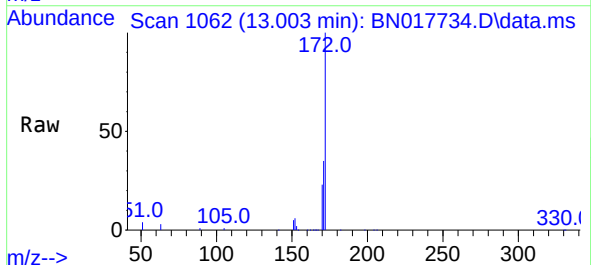


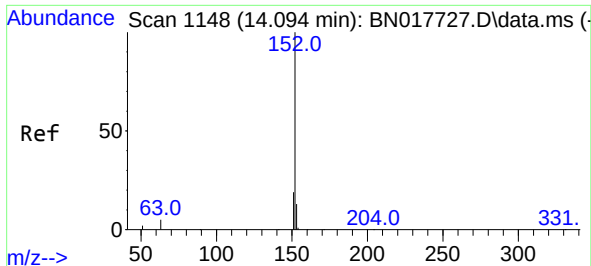
Tgt Ion:330 Resp: 2929
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 29.0 28.9 43.3



#15
2-Fluorobiphenyl
Concen: 0.502 ng
RT: 13.003 min Scan# 1062
Delta R.T. -0.000 min
Lab File: BN017734.D
Acq: 06 Dec 2021 16:53

Tgt Ion:172 Resp: 65089
Ion Ratio Lower Upper
172 100
171 35.1 28.7 43.1
170 23.3 19.4 29.2

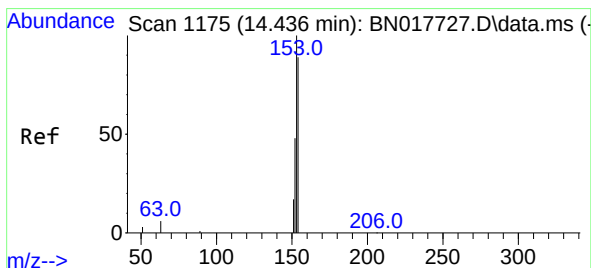
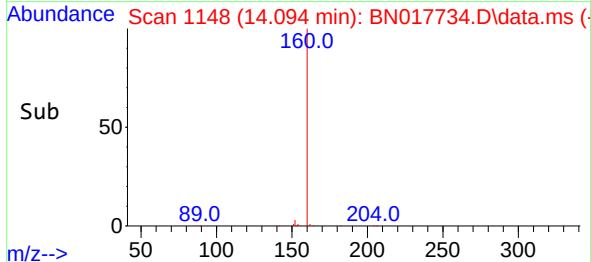
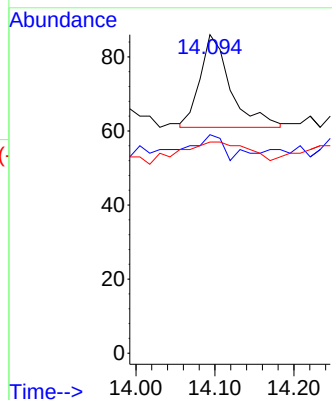
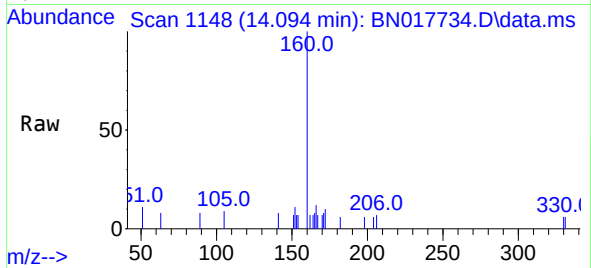




#16
Acenaphthylene
Concen: 0.000 ng
RT: 14.094 min Scan# 1148
Delta R.T. -0.000 min
Lab File: BN017734.D
Acq: 06 Dec 2021 16:53

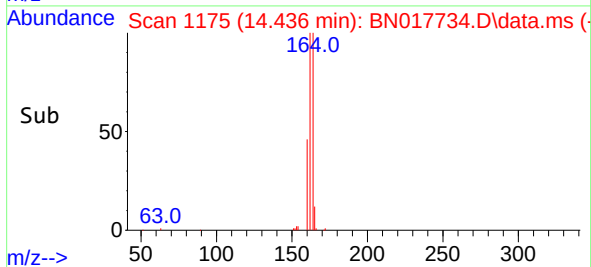
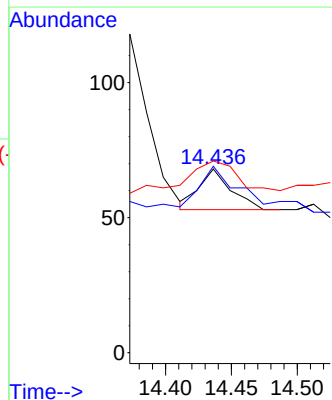
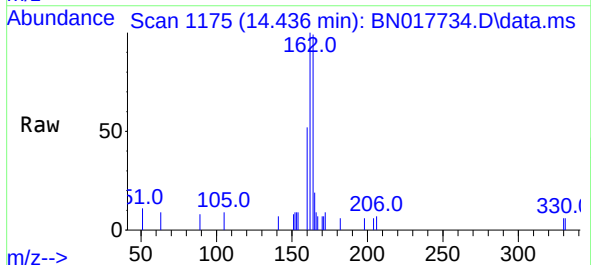
Instrument :
BNA_N
ClientSampleId :
SP5770

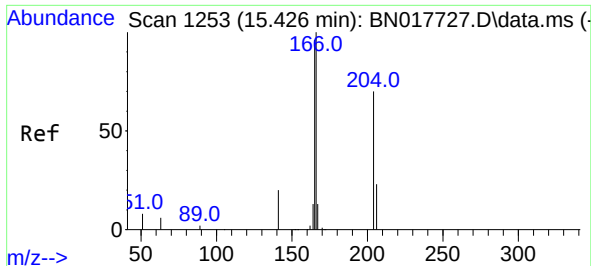
Tgt Ion:152 Resp: 67
Ion Ratio Lower Upper
152 100
151 19.4 15.5 23.3
153 55.2 10.4 15.6#



#17
Acenaphthene
Concen: 0.000 ng
RT: 14.436 min Scan# 1175
Delta R.T. -0.000 min
Lab File: BN017734.D
Acq: 06 Dec 2021 16:53

Tgt Ion:154 Resp: 25
Ion Ratio Lower Upper
154 100
153 180.0 91.2 136.8#
152 132.0 44.3 66.5#

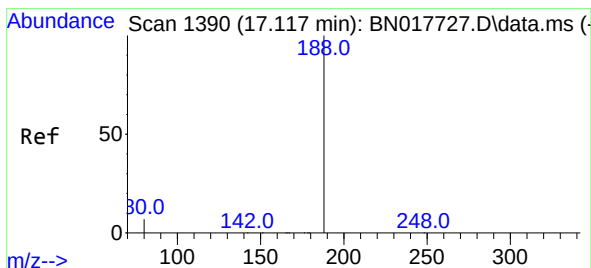
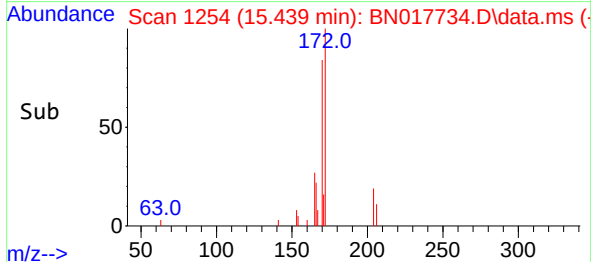
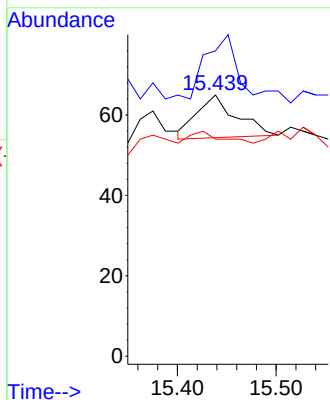
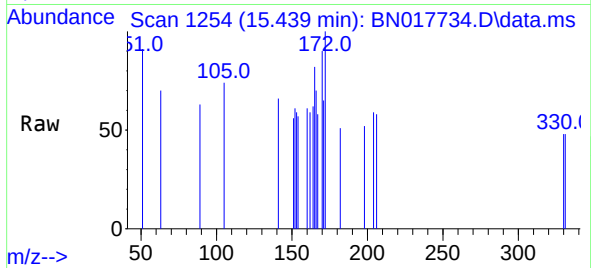




#18
Fluorene
Concen: 0.000 ng
RT: 15.439 min Scan# 11
Delta R.T. 0.012 min
Lab File: BN017734.D
Acq: 06 Dec 2021 16:53

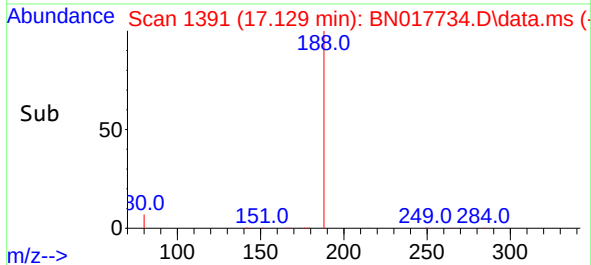
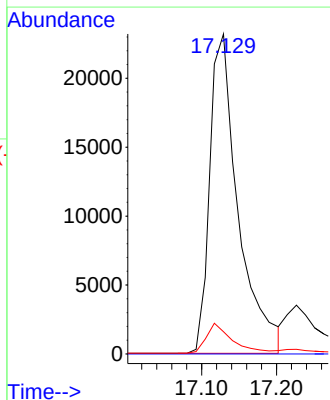
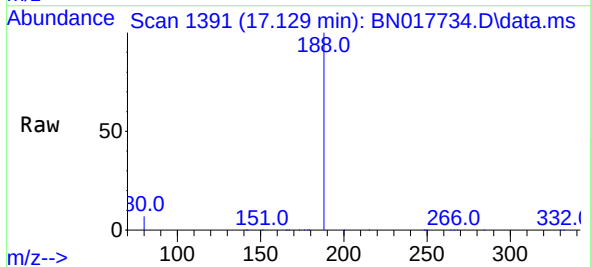
Instrument :
BNA_N
ClientSampleId :
SP5770

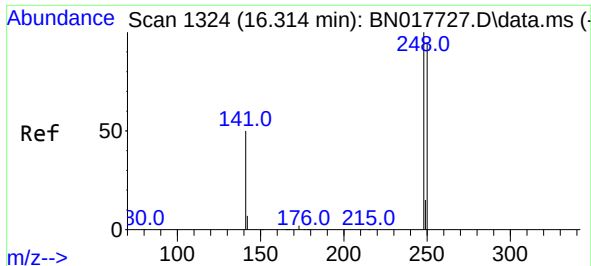
Tgt Ion:166 Resp: 30
Ion Ratio Lower Upper
166 100
165 160.0 77.9 116.9#
167 0.0 10.9 16.3#



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.129 min Scan# 1391
Delta R.T. 0.012 min
Lab File: BN017734.D
Acq: 06 Dec 2021 16:53

Tgt Ion:188 Resp: 61183
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 7.0 6.1 9.1

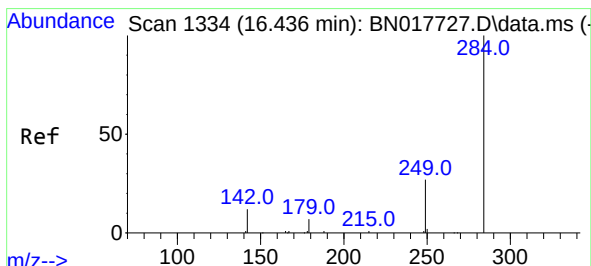
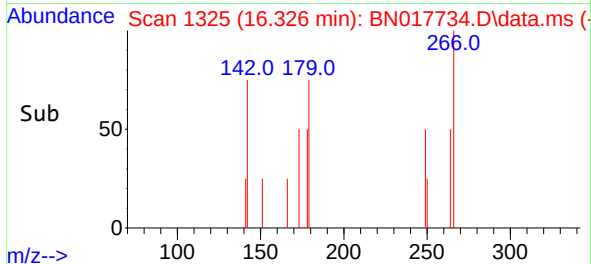
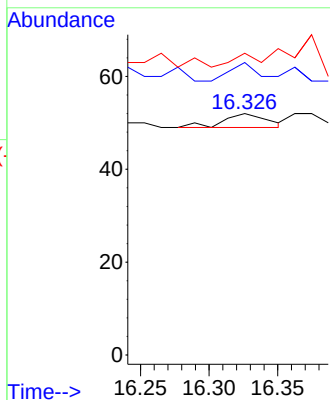
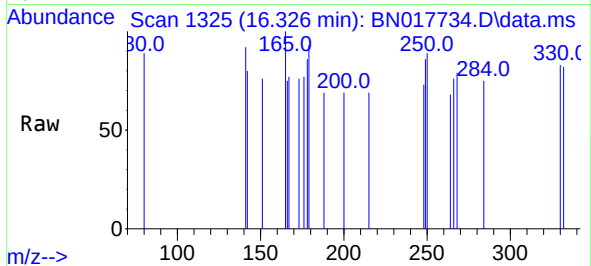




#21
4-Bromophenyl-phenylether
Concen: 0.000 ng
RT: 16.326 min Scan# 11
Delta R.T. 0.012 min
Lab File: BN017734.D
Acq: 06 Dec 2021 16:53

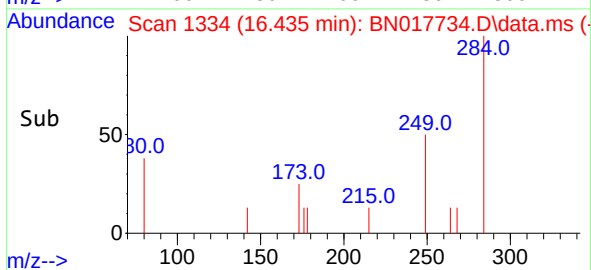
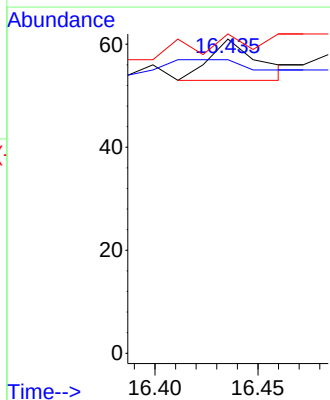
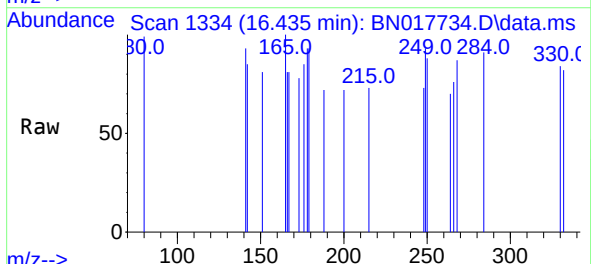
Instrument :
BNA_N
ClientSampleId :
SP5770

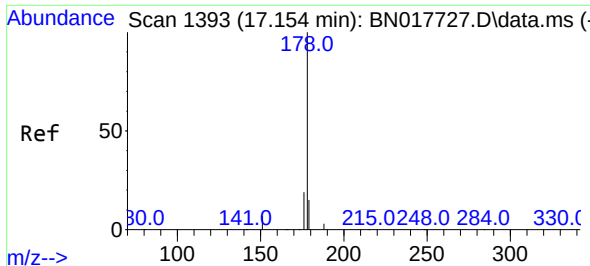
Tgt Ion:248 Resp: 7
Ion Ratio Lower Upper
248 100
250 121.2 71.8 107.8#
141 125.0 70.9 106.3#



#22
Hexachlorobenzene
Concen: 0.000 ng
RT: 16.435 min Scan# 1334
Delta R.T. -0.000 min
Lab File: BN017734.D
Acq: 06 Dec 2021 16:53

Tgt Ion:284 Resp: 13
Ion Ratio Lower Upper
284 100
142 0.0 28.2 42.2#
249 176.9 24.4 36.6#

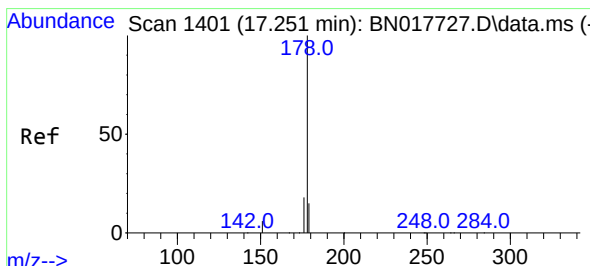
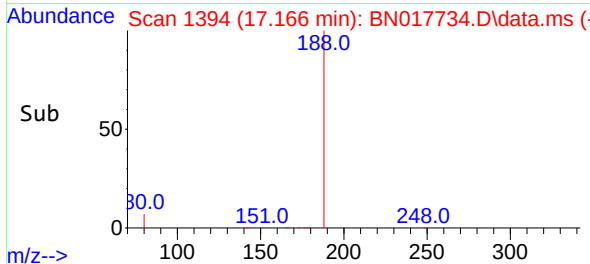
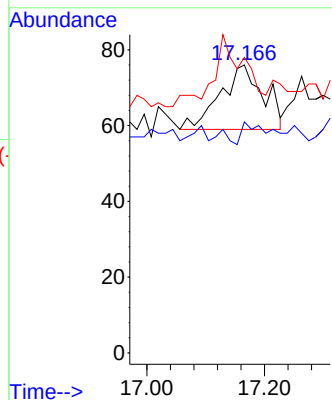
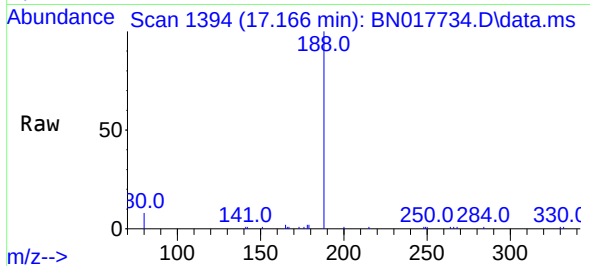




#25
Phenanthrene
Concen: 0.001 ng
RT: 17.166 min Scan# 11
Delta R.T. 0.012 min
Lab File: BN017734.D
Acq: 06 Dec 2021 16:53

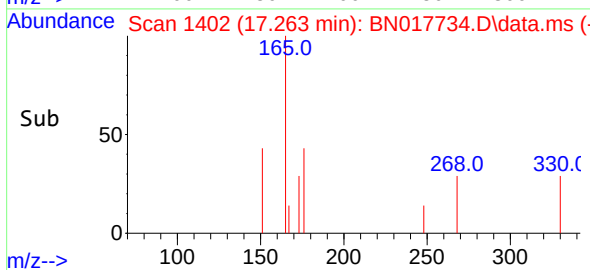
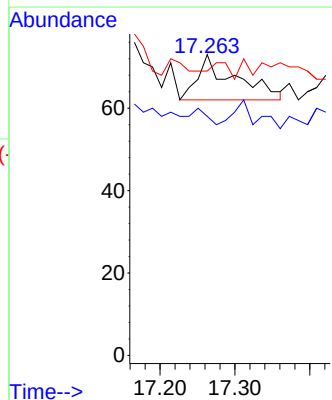
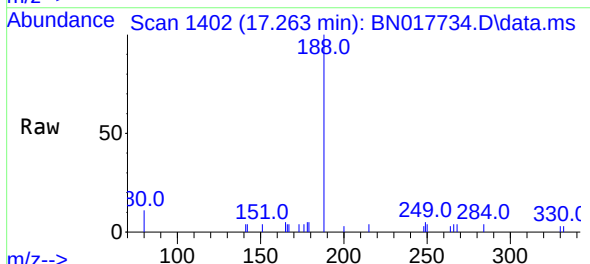
Instrument :
BNA_N
ClientSampleId :
SP5770

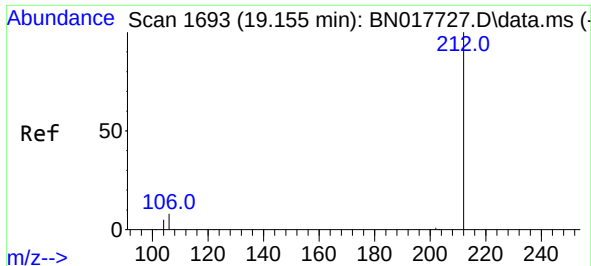
Tgt Ion:178 Resp: 86
Ion Ratio Lower Upper
178 100
176 20.9 15.0 22.6
179 0.0 12.3 18.5#



#26
Anthracene
Concen: 0.000 ng
RT: 17.263 min Scan# 1402
Delta R.T. 0.012 min
Lab File: BN017734.D
Acq: 06 Dec 2021 16:53

Tgt Ion:178 Resp: 38
Ion Ratio Lower Upper
178 100
176 0.0 14.6 22.0#
179 15.8 12.2 18.4

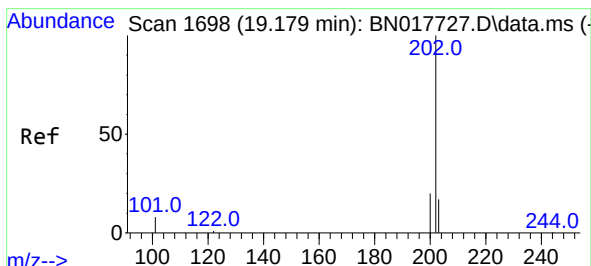
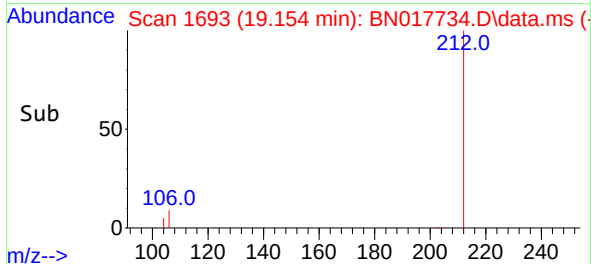
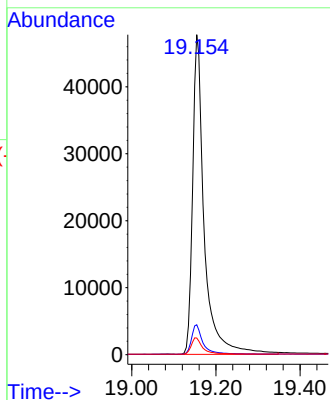
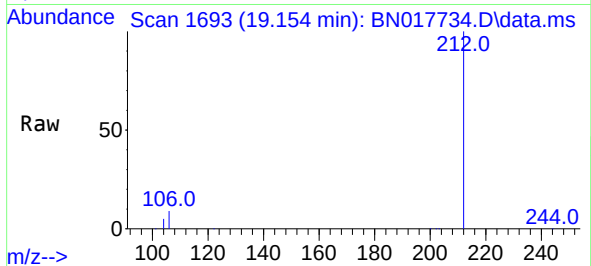




#27
Fluoranthene-d10
Concen: 0.445 ng
RT: 19.154 min Scan# 1693
Delta R.T. -0.000 min
Lab File: BN017734.D
Acq: 06 Dec 2021 16:53

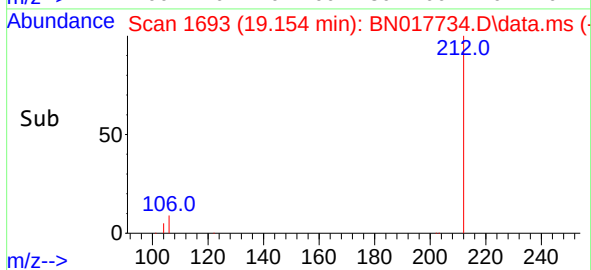
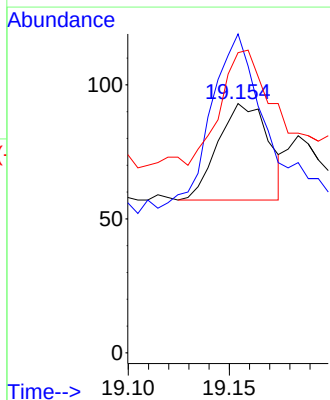
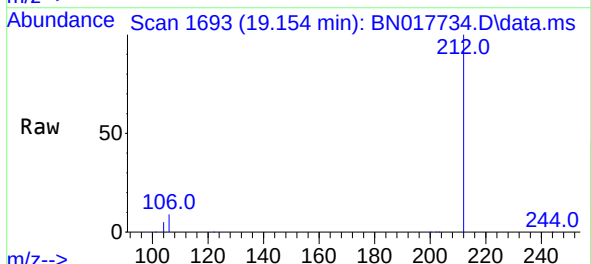
Instrument :
BNA_N
ClientSampleId :
SP5770

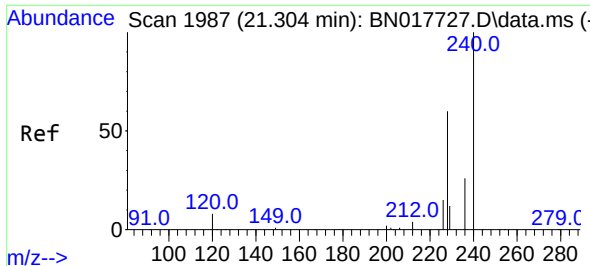
Tgt Ion:212 Resp: 91699
Ion Ratio Lower Upper
212 100
106 9.3 10.5 15.7#
104 5.1 5.8 8.6#



#28
Fluoranthene
Concen: 0.000 ng
RT: 19.154 min Scan# 1693
Delta R.T. -0.025 min
Lab File: BN017734.D
Acq: 06 Dec 2021 16:53

Tgt Ion:202 Resp: 63
Ion Ratio Lower Upper
202 100
101 223.8 8.9 13.3#
203 149.2 13.8 20.6#

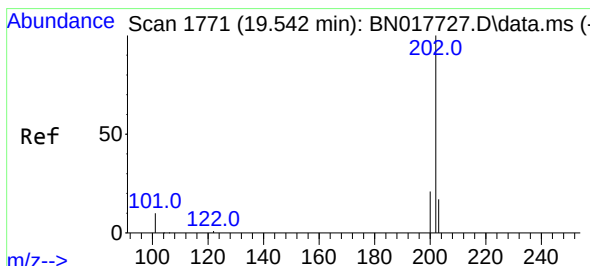
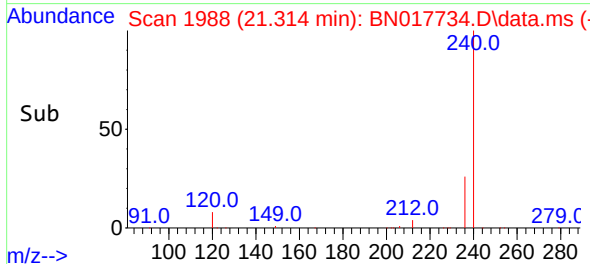
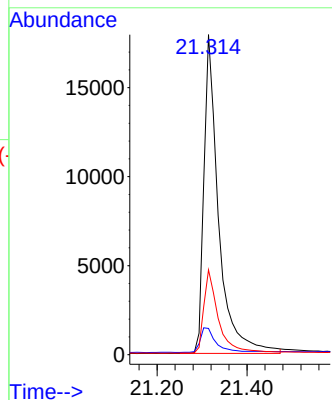
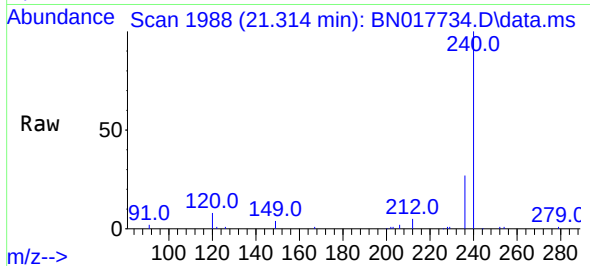




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.314 min Scan# 1988
Delta R.T. 0.010 min
Lab File: BN017734.D
Acq: 06 Dec 2021 16:53

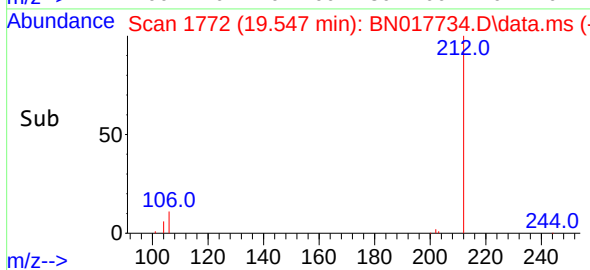
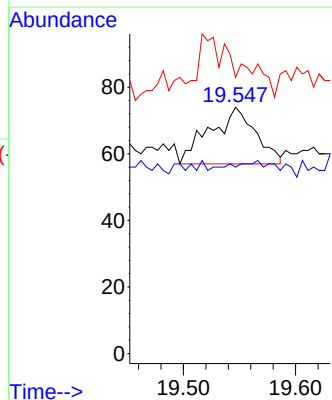
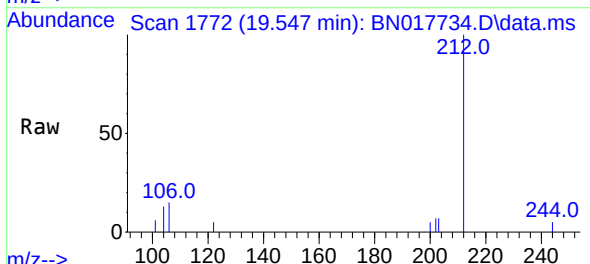
Instrument :
BNA_N
ClientSampleId :
SP5770

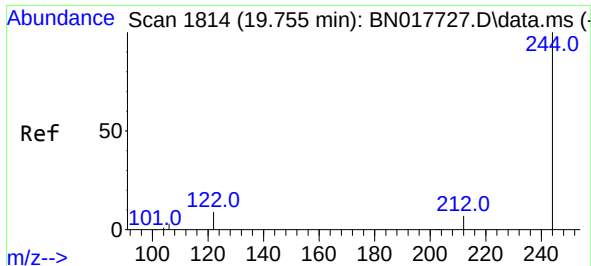
Tgt Ion:240 Resp: 40716
Ion Ratio Lower Upper
240 100
120 8.2 4.2 6.2#
236 26.5 20.0 30.0



#30
Pyrene
Concen: 0.000 ng
RT: 19.547 min Scan# 1772
Delta R.T. 0.005 min
Lab File: BN017734.D
Acq: 06 Dec 2021 16:53

Tgt Ion:202 Resp: 48
Ion Ratio Lower Upper
202 100
200 0.0 16.5 24.7#
203 0.0 14.0 21.0#

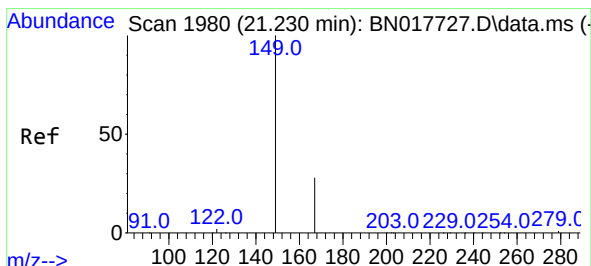
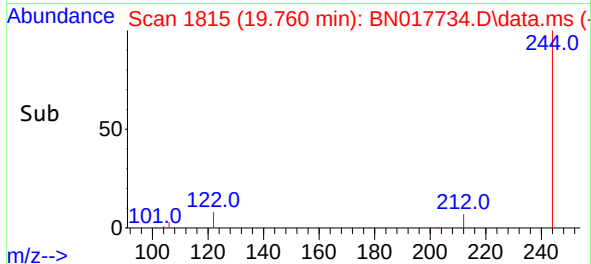
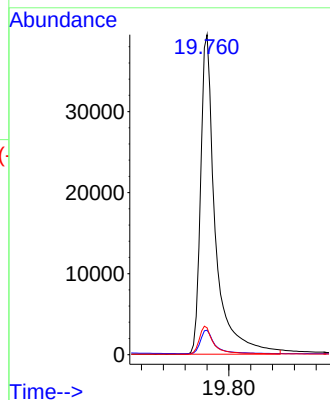
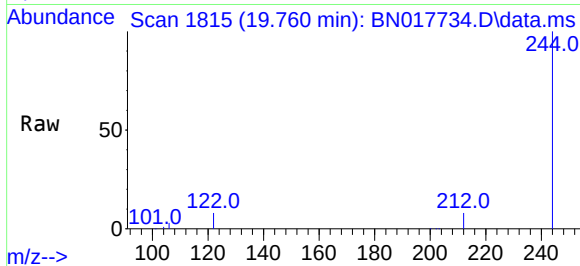




#31
 Terphenyl-d14
 Concen: 0.714 ng
 RT: 19.760 min Scan# 1815
 Delta R.T. 0.005 min
 Lab File: BN017734.D
 Acq: 06 Dec 2021 16:53

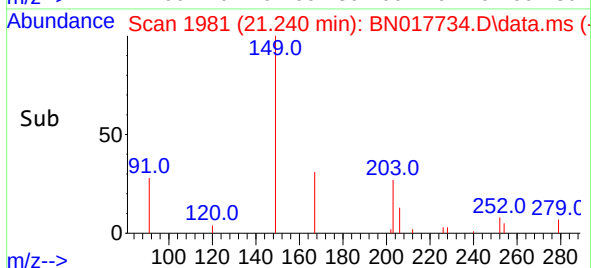
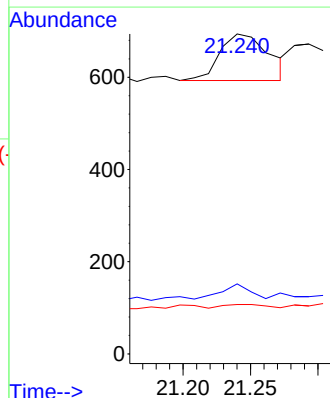
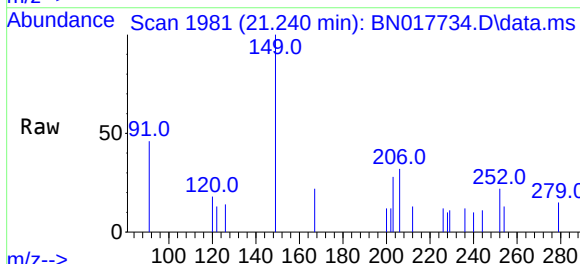
Instrument :
 BNA_N
 ClientSampleId :
 SP5770

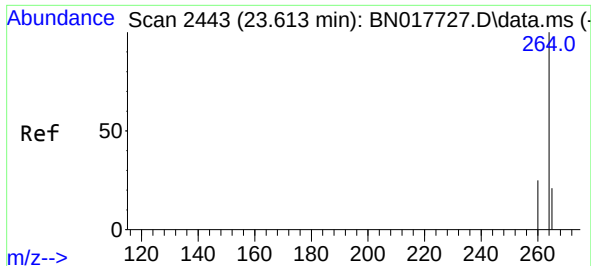
Tgt Ion:244 Resp: 74553
 Ion Ratio Lower Upper
 244 100
 212 7.6 5.7 8.5
 122 8.4 8.6 13.0#



#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.004 ng
 RT: 21.240 min Scan# 1981
 Delta R.T. 0.010 min
 Lab File: BN017734.D
 Acq: 06 Dec 2021 16:53

Tgt Ion:149 Resp: 254
 Ion Ratio Lower Upper
 149 100
 167 26.4 21.8 32.6
 279 7.1 3.4 5.0#

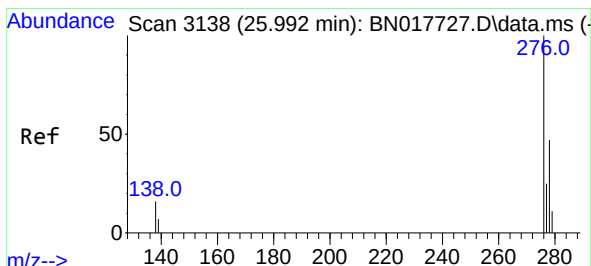
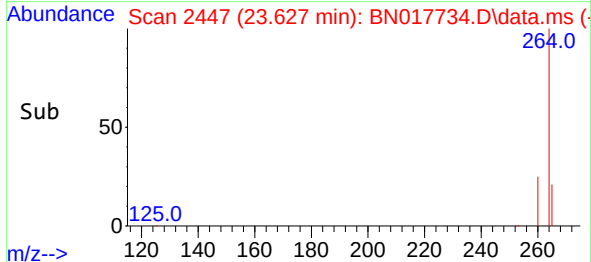
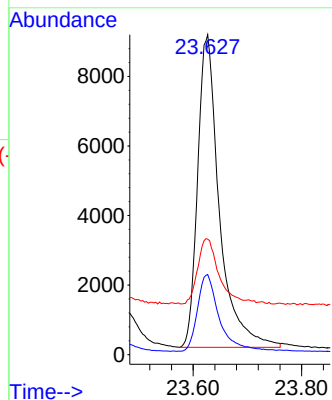
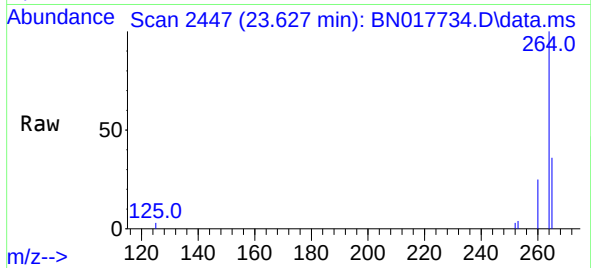




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.627 min Scan# 24
Delta R.T. 0.013 min
Lab File: BN017734.D
Acq: 06 Dec 2021 16:53

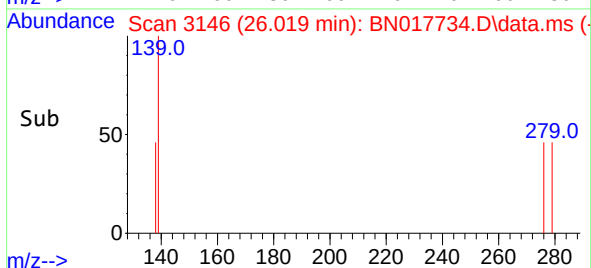
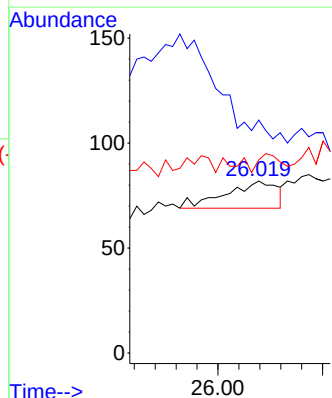
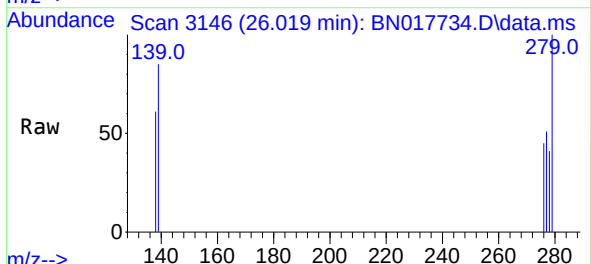
Instrument :
BNA_N
ClientSampleId :
SP5770

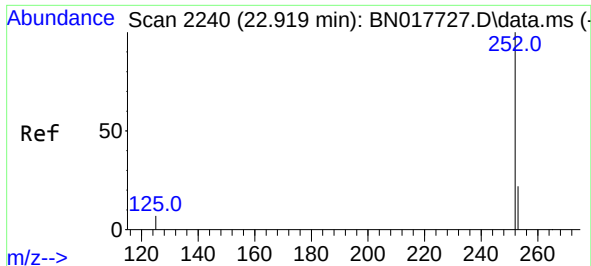
Tgt Ion:264 Resp: 24965
Ion Ratio Lower Upper
264 100
260 25.0 19.4 29.2
265 36.1 18.6 28.0#



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.000 ng
RT: 26.019 min Scan# 3146
Delta R.T. 0.027 min
Lab File: BN017734.D
Acq: 06 Dec 2021 16:53

Tgt Ion:276 Resp: 22
Ion Ratio Lower Upper
276 100
138 0.0 19.7 29.5#
277 40.9 20.0 30.0#

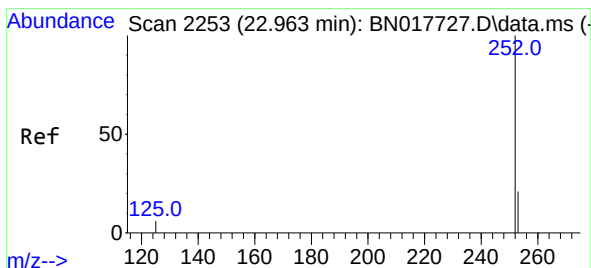
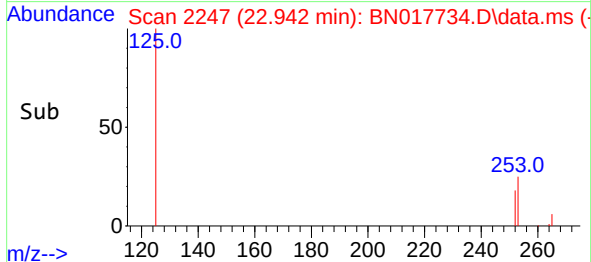
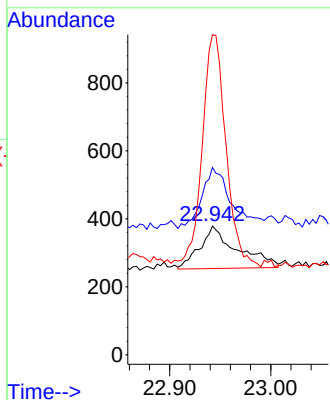
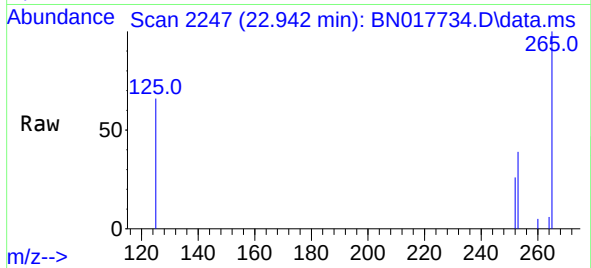




#37
Benzo(b)fluoranthene
Concen: 0.004 ng
RT: 22.942 min Scan# 21
Delta R.T. 0.024 min
Lab File: BN017734.D
Acq: 06 Dec 2021 16:53

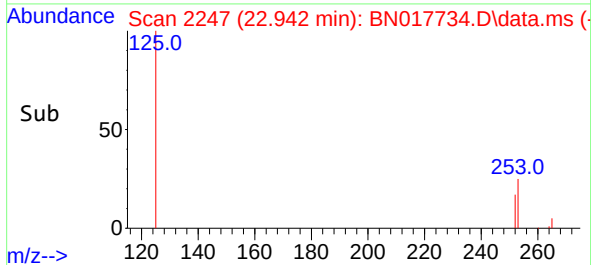
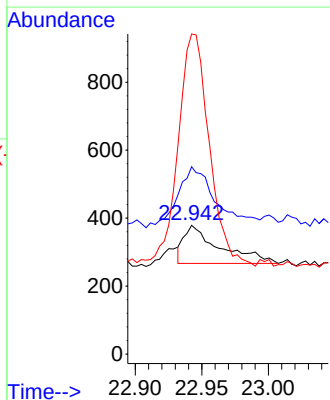
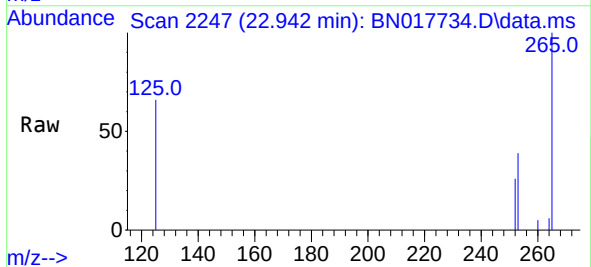
Instrument :
BNA_N
ClientSampleId :
SP5770

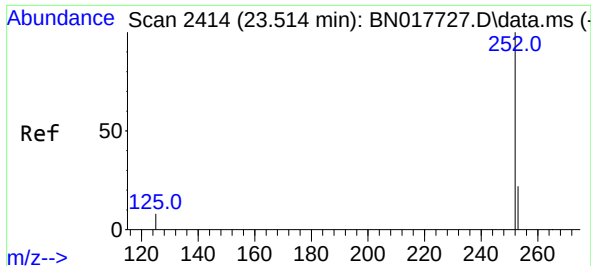
Tgt Ion:252 Resp: 319
Ion Ratio Lower Upper
252 100
253 145.4 17.7 26.5#
125 248.5 7.8 11.8#



#38
Benzo(k)fluoranthene
Concen: 0.003 ng
RT: 22.942 min Scan# 2247
Delta R.T. -0.021 min
Lab File: BN017734.D
Acq: 06 Dec 2021 16:53

Tgt Ion:252 Resp: 208
Ion Ratio Lower Upper
252 100
253 145.4 17.7 26.5#
125 248.5 8.2 12.2#

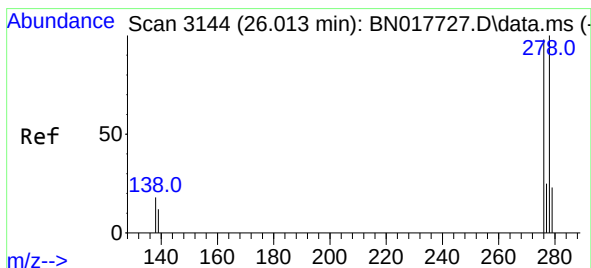
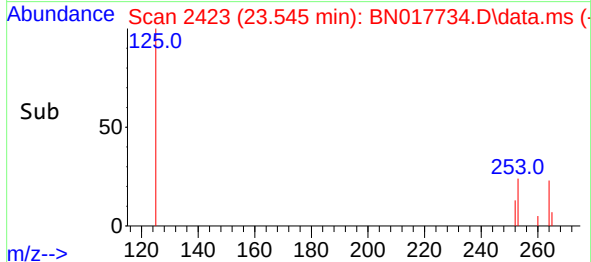
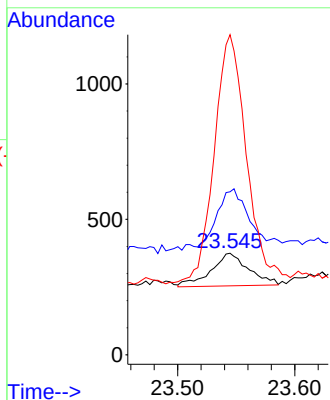
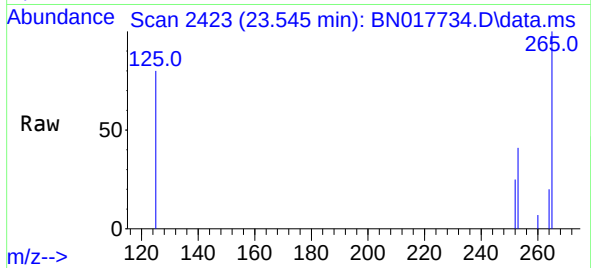




#39
Benzo(a)pyrene
Concen: 0.004 ng
RT: 23.545 min Scan# 2414
Delta R.T. 0.031 min
Lab File: BN017734.D
Acq: 06 Dec 2021 16:53

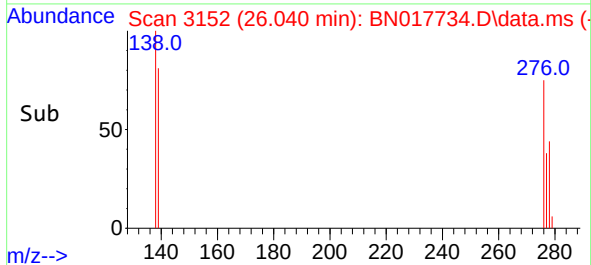
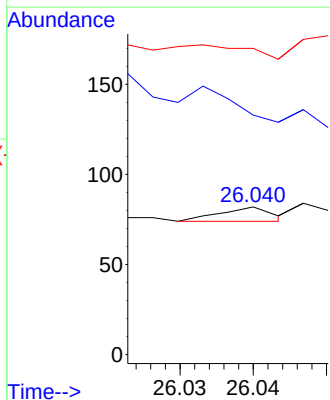
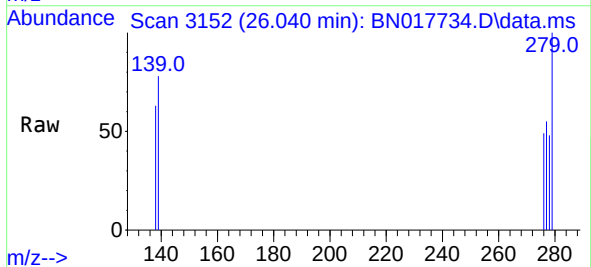
Instrument :
BNA_N
ClientSampleId :
SP5770

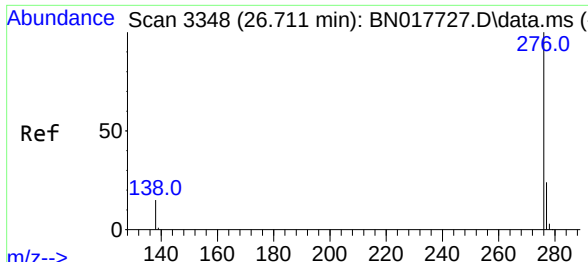
Tgt Ion:252 Resp: 269
Ion Ratio Lower Upper
252 100
253 160.5 17.9 26.9#
125 315.2 9.2 13.8#



#40
Dibenzo(a,h)anthracene
Concen: 0.000 ng
RT: 26.040 min Scan# 3152
Delta R.T. 0.027 min
Lab File: BN017734.D
Acq: 06 Dec 2021 16:53

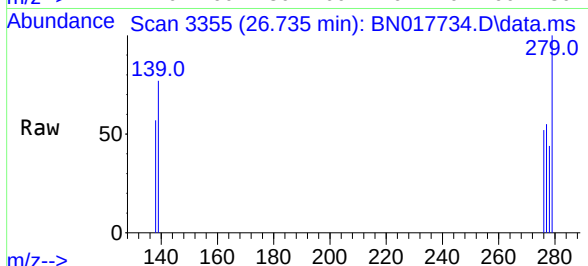
Tgt Ion:278 Resp: 4
Ion Ratio Lower Upper
278 100
139 162.2 13.0 19.6#
279 207.3 19.2 28.8#





#41
 Benzo(g,h,i)perylene
 Concen: 0.000 ng
 RT: 26.735 min Scan# 31
 Delta R.T. 0.024 min
 Lab File: BN017734.D
 Acq: 06 Dec 2021 16:53

Instrument :
 BNA_N
 ClientSampleId :
 SP5770



Tgt Ion: 276 Resp: 11

Ion	Ratio	Lower	Upper
276	100		
277	104.7	19.0	28.4#
138	109.4	17.1	25.7#

